INDUSTRIAL • MARINE • AGRICULTURE

TRAILERING

REESE **Draw-Tite** **FULTON** **BULLDOG**

TEKONSHA **Wesbar** **Bargman**

PRODUCT CATALOG

FULTON

2019

HORIZON GLOBAL

Horizon Global is the #1 designer, manufacturer and distributor of a wide variety of high-quality, custom engineered towing, trailering, cargo management and other related accessory products in North America, Australia and Europe.

Bargman

Bargman® is the brand of choice in the **light-duty trailer and recreational vehicle markets.** With specialization in assemblies with multiple connections, varying wire lengths and mixed technologies, Bargman® has become the RV industry's most widely known lights.

BULLDOG

The BULLDOG® line is characterized by unmatched strength, reliability, safety and value; count on BULLDOG® to be Tough and Tested™. Gooseneck hitches, gooseneck couplers, jacks, trailer couplers and Wedge-Latch™ elements feature a high-strength, heavy-duty design that makes them the **toughest trailer components** available today.

DRAW-TITE

Draw-Tite® was born out of a passion for outstanding performance and has come to represent **one of the best custom-fit vehicle products** available today. Each hitch designed must pass rigorous tests to become Tested Tough™. Draw-Tite® is the brand of choice for years of dependable service.

FULTON

Fulton® performs best when the weather is at its worst. When innovative design is combined with quality and value, the result is a brand that is the obvious choice for recreational and marine applications everywhere. The Fulton® line of trailer jacks, winches, and couplers has become the **industry standard for light and medium-duty trailering**.

REESE

REESE® has become a household name in the **heavy-duty towing** industry. From heavy duty fifth wheels and pin boxes, to weight distribution systems to control sway, REESE's proven designs exceed industry standards, making it the brand of choice when performance is the expectation.

TEKONSHA

Tekonsha® has evolved to become **a trusted name in towing safety**. The core product line consists of brake controllers, electrical wiring, trailer brakes, ModuLite® Modules and T-One® T-Connectors. Smooth, predictable stopping at all speeds has made the Tekonsha® Prodigy®, Primus® and Voyager® trailer brake controls the best in class and most popular on the market.

Wesbar

Wesbar® family of vehicle lighting and electrical products offers both incandescent and LED lighting for vehicles and trailers, plus an extensive line of 12 volt electrical connection products, Wesbar® has continued to provide an **all-encompassing selection of options for agricultural, industrial, marine, recreation and utility manufacturers**.

TRAILER JACKS

BULLDOG® Trailer Jacks are the unquestionable leader in the trailer industry. Since 1919, BULLDOG® has been manufacturing the industry's most Tough and Trusted™ products for all your trailering applications. Our proven quality, performance and versatility has all of your applications covered, whether it's for Industrial Triple Axle Equipment Hauler or Luxurious Horse Trailer with living quarters to single axle utility trailers BULLDOG® has the jack and coupler to meet your application. Legendary rugged performance BULLDOG® pedigree is built into every product we manufacture.

As the industry's leader for high performance marine jacks, Fulton® is the proud manufacturer of the F2® Jack, the market leader in Engineering and Styling. The industry's core Marine Jack, XLT™ product family is also manufactured by Fulton®. Trailer jacks play a crucial part in making your boat, trailer or personal power craft experience safer, more enjoyable, and more convenient. With an effective, well-designed trailer jack that fits your application and personality, you'll be able to easily couple and uncouple your rig, and be safer in the process. Fulton® Marine Jacks are specifically engineered for use in and around wet areas, and are designed to look good in the process.

FEATURED

VELOCITY SERIES™ POWERED HIGH SPEED JACKS

- Fast, Powerful, Easy to Install
- OEM and Aftermarket Industrial, Horse and Livestock, and RV Applications
- Mounts without welding and requires no hydraulic oil, hoses, or pumps
- Fully Powered – 12,000 lbs. capacity per leg with Proprietary high-speed system
- 24 in. of travel
- Resists corrosion with premium powder coat finish

141401

185400

XLT™ POWERED MARINE JACK

- Patented spring-loaded drop leg pull pin positions quickly with 22 in. total travel
- Powered through 7-way or dedicated 12V DC battery
- Premium Sharkskin finish for optimum corrosion resistance
- Front and rear facing LED lights for low light conditions
- Corrosion resistant stainless steel internal ACME screw
- Easy to install - simply bolt to frame and hook up wiring

TRAILER JACKS

BULLDOG®

500199

500200

4K POWERED A-FRAME JACK
Tough and Trusted BULLDOG® presents a Powered Jack with all the capacity and features you want.
- Heavy duty 4,000 lbs. lift capacity
- Drop leg with spring loaded pull pin
- Makes setting up easier with a handy built-in level right where you need it most
- Deploys and hooks up easily at night with on-board LED courtesy light
- Works in case of power loss with emergency manual override capability, easily accessible from the top
- Manual override crank included
- Lasts for years with industry-leading BULLDOG® performance, known worldwide for unmatched strength, durability, and side load capacity
- Retains like-new appearance with corrosion-resistant surfaces
- 5-year limited warranty

Part Number	Description	Lift Capacity (lbs.)	Travel (in.)	Retracted (in.)	Extended (in.)	Clearance (in.)	Packaging
500199	Black Cover, Includes Drop Leg	4,000	22.00	9.75	31.75	21.00	Ind. Pack
500200	White Cover, Includes Drop Leg	4,000	22.00	9.75	31.75	21.00	Ind. Pack
Replacement Parts							
500190	Drop Leg and Pin Kit						Ind. Pack
500193	Level Assembly and Screws						Poly Bag
500194	Manual Override Cover Kit						Poly Bag
500196	LED Light Assembly and Bulbs						Poly Bag
500203	Manual Override Crank						Boxed
500360	Black Cover with Mounting Screws						Boxed
500361	White Cover with Mounting Screws						Boxed
500362	Light Switch for #500187, #500188, #500199 and #500200						Boxed
500363	Extend/Retract Switch for #500187, #500188, #500199 and #500200						Boxed

On-Board LED Lighting

Single Axis Level

Spring Loaded Drop Leg Pull Pin

3.5K POWERED A-FRAME JACK

Tough and Trusted BULLDOG® presents a Powered Jack with all the capacity and features you want.

- Positions quickly with 14 in. of total travel
- 3,500 lbs. lift capacity
- Integrated gearbox and motor
- Drop leg
- Deploys and hooks up easily at night with on-board LED courtesy light, angled to illuminate coupler
- Works in case of power loss with emergency manual override capability, easily accessible from the top, crank included
- Manual override crank included
- Lasts for years with industry-leading BULLDOG® performance, known worldwide for unmatched strength, durability, and side load capacity
- Retains like-new appearance with corrosion-resistant surfaces
- 5-year limited warranty

500187

500188

5 YEAR LIMITED WARRANTY 5

3.5K

Part Number	Description	Lift Capacity (lbs.)	Travel (in.)	Retracted (in.)	Extended (in.)	Clearance (in.)	Packaging
500187	Black Cover, Includes Drop Leg	3,500	14.00	9.75	31.50	20.50	Ind. Pack
500188	White Cover, Includes Drop Leg	3,500	14.00	9.75	31.50	20.50	Ind. Pack
Replacement Parts							
500190	Drop Leg and Pin Kit						Ind. Pack
500201	Manual Override Cover						Poly Bag
500202	LED Light Assembly and Bulbs						Poly Bag
500203	Manual Override Crank						Boxed
500305	Black Cover w/Mounting Screws						Boxed
500306	White Cover w/Mounting Screws						Boxed
500362	Light Switch						Boxed
500363	Extend/Retract Switch						Boxed

LED Courtesy Light

3,500 lbs. Lift Capacity

Emergency Manual Override

BULLDOG®

500204

500198
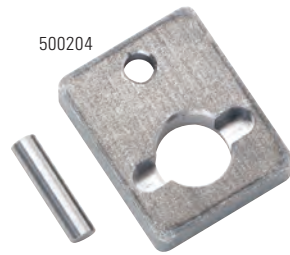
2.5K JACK WITH POWERED DRIVE
- Integrated circuit breaker
- 18 in. total travel
- Works in case of power loss with supplied manual override crank handle
- Gloss black painted outer tube and motor assembly, clear zinc inner tube
- 1-year limited warranty

Part Number	Description	Lift Capacity (lbs.)	Travel (in.)	Retracted (in.)	Extended (in.)	Clearance (in.)	Packaging
500198	Jack, without Footplate	2,500	18.00	8.50	26.50	-	Ind. Pack
Replacement Parts							
500204	Drive Pin and Coupling	Poly Bag					Ind. Pack

500162

FIFTH WHEEL LANDING GEAR SYSTEM
- Traditional Single Drive System
- Heavy gauge 6 in. x 8 in. self-leveling foot plates with drain holes to prevent corrosion
- Spring loaded drop leg pin on 8,000 lbs. support capacity model
- Includes secondary gearbox
- 36 in. total travel
- Includes adjustable cross shaft
- Includes 4 mounting brackets and 4 sets of mounting hardware
- Motor, switch and harness must be obtained separately
- 5-year limited warranty

5 YEAR LIMITED WARRANTY 5

Part Number	Description	Support Capacity (lbs.)	Lift Capacity (lbs.)	Total Lift (in.)	Screw Travel (in.)
500162	RV Landing Gear Assembly (Motor, Switch and Harness Must be Obtained Separately)	8,000	4,000	36.00	18.00

500161 Only Shown with Motor in Alternate Position

500161

DUAL OUTPUT POWERED DRIVE FIFTH WHEEL LAND GEAR SYSTEM
- Dual Output Powered Drives
- High speed position installation for lifting speeds of 9 in./minute
- Heavy duty integrated die-cast gearbox eliminates the need for an intermediate plastic gear box
- Spring loaded drop leg pin
- Independent leg control for leveling
- Heavy gauge 6 in. x 8 in. self-leveling foot plates
- 36 in. total travel
- Includes motors preassembled to jacks
- Includes dual switch panel and wiring harness
- Includes 4 mounting brackets and 4 sets of mounting hardware

5 YEAR LIMITED WARRANTY 5

Part Number	Description	Support Capacity (lbs.)	Lift Capacity (lbs.)	Total Lift (in.)	Screw Travel (in.)
500161	RV Landing Gear Assembly, (2 Motors and Switches)	10,000	7,000	36.00	18.00
Replacement Parts					
500359	Dual Output Motor for 500161 and 500170				
500367	Drop Leg and Foot Plate for 500161 and 500170				
500368	Control Switch for 500161				

Fingertip
Control

141401

XLT™ POWERED MARINE JACK

- Patented spring-loaded drop leg pull pin positions quickly with 22 in. total travel
- Powered through 7-way or dedicated 12V DC battery
- Premium Sharkskin finish for optimum corrosion resistance
- Front and rear facing LED lights for low light conditions
- Corrosion resistant stainless steel internal ACME screw
- Easy to install - simply bolt to frame and hook up wiring
- Manual override using standard tools in case of power loss
- Includes mounting hardware for up to 5 in. high trailer tongues

5-YEAR LIMITED WARRANTY 5

XLT™   **SHARKSKIN™**   **PREMIUM FINISH**
- Maximum corrosion resistance
- Used in salt water environments and other demanding climate applications

Part Number	Description	Lift Capacity (lbs.)	Travel (in.)	Retracted (in.)	Extended (in.)	Clearance (in.)	Packaging
141401	Black Cover, Includes Drop Leg	2,500	22.00	9.75	31.75	21.00	Ind. Box
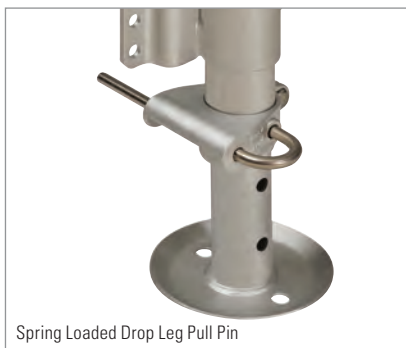
Spring Loaded Drop Leg Pull Pin

Rear and Front LEDs

141132

Swing
Away

XLT™ MARINE AND RECREATIONAL JACKS

- Patent pending TruTurn™ 360 system delivers best in class castering performance
- Raises and lowers 35% faster than the competition
- Patented inner and outer tube bushings provide a tight fit and lessen tube drag
- Premium Sharkskin™ finish for optimum corrosion resistance
- 20% more screw travel than conventional jacks
- Stylized handles with soft touch grips
- Grease fittings in key locations for easy lubrication
- Mount and hardware sold separately (P/N P9012-00)

TruTurn 360   **5-YEAR LIMITED WARRANTY 5**

XLT™   **SHARKSKIN™**   **PREMIUM FINISH**
- Maximum corrosion resistance
- Used in salt water environments and other demanding climate applications

Part Number	Description	Lift Capacity (lbs.)	Handle Style	Travel (in.)	Retracted (in.)	Extended (in.)	Clearance (in.)	Packaging
141132	Weld-On, Swing Away	1,500	Sidewind	12.00	15.00	27.00	15.50	Bulk
141137	Weld-On, Swing Away, Black	1,500	Sidewind	12.00	15.00	27.00	15.50	Bulk
Replacement Parts								
500365	Pull Pin							Boxed
0933306S00	Service Kit, Includes: (2) Gears, (1) Pin, (1) Washer, (1) Spacer, and (2) Flanged Bushings							Poly Bag
P9012-00	Weld-On Mount and Hardware Kit, 1/2" Pin							Bulk

FULTON

F2® MARINE AND RECREATIONAL JACKS

Fulton®, the industry leader for high performance marine jacks, is proud to introduce a revolution in trailer jack engineering. The F2®, designed for use with marine, recreational and utility trailers, continues the Fulton® heritage of innovation rethinking every feature and challenging industry conventions. The result is a reengineered high quality product that will transform the industry. It's so strong and reliable that Fulton® is backing it with an unprecedented limited lifetime warranty.`

- 35% faster lifting action than conventional jacks
- Ergonomic design - crank, release pin and integrated wheel wedge are made of strong, engineered plastic for a comfortable touch
- Stylish design - compliment your boat and customize your trailer's styling
- Twin track and wide track versions available
- Available in bolt-on and weld-on versions for up to 5 in. tongues
- Handle Hold-Up secures handle to jack tube when in stowed position
- Lifetime limited warranty

1413200334

F2® MARINE AND RECREATIONAL JACKS - ADJUSTABLE SWIVEL WITH FOOTPLATE

WARRANTY LIMITED LIFETIME

- Heavy duty articulating footplate - 7 in. diameter cast footplate provides superior stability
- Unique ball and socket connection between jack and footplate allows for whatever articulation is required to accommodate uneven surfaces

Part Number	Description	Lift Capacity (lbs.)	Handle Style	Screw Travel (in.)	Mount Travel (in.)	Pull Pin Diameter (in.)	Packaging
1413200334	Includes Handle Hold-Up Feature and Weld-On Mounting Hardware for up to 5" Frames	2,000	Sidewind	10.00	13.00	9/16	Bulk

F2® A-FRAME JACK AND COUPLER COMBINATION

- Fulton® expands the F2® family of trailer jacks with the adjustable height A-Frame jack and coupler combination

1413250334

Part Number	Description	Lift Capacity (lbs.)	Handle Style	Screw Travel (in.)	Packaging
1413250334	Adjustable Height A-Frame Jack, NOTE: Requires F2 Coupler	2,000	Sidewind	9.00	Bulk
44305F0317	Coupler, Class 4, 2-5/16" Ball, 10,000 lbs. Capacity Coupler	-	-	-	Bulk
Accessories					
500265	7" Twin Track Wheels, Includes Pull Pin Assembly (For use with Single Axle Trailers Only)				Bulk
500266	8" Wide Track Wheel, Includes Pull Pin Assembly (For use with Single Axle Trailers Only)				Bulk
500267	7" Round Articulating Footplate, Includes Pull Pin Assembly				Bulk
Replacement Parts					
500268	Mounting Hardware, Includes: Hex Head Bolt 3/8" - (3) 16 UNC and (3) Lock Washers 3/8"				Poly Bag
500134	Handle / Crank Kit, Includes: Handle Grip, Groove Pin and Mounting Hardware				Bagged
500129	Handle Holdup				Bagged
500135	Gearbox Cover Replacement Kit, Includes: (4) Mounting Screws				Bagged
500137	Bearing Replacement Kit, Includes: (2) Washers				Bagged
500314	Gear Kit, Includes: (1) Shim Washer 5/16", (1) Straight Pin 7/32" x 3/4", (1) Groove Pin 3/16" x 1-1/4", and (1) Washer 1/2" ID x 1-1/4" OD				Bagged

Twin Wheel US Patent D568,575 and Wide Wheel US Patent D570,072 and Handle US Patent D577,175

F2® MARINE AND RECREATIONAL JACK - WIDE TRACK MODEL

1413050334

Part Number	Description	Lift Capacity (lbs.)	Handle Style	Screw Travel (in.)	Mount Travel (in.)	Pull Pin Diameter (in.)	Packaging
1413050334	3" x 4" Pivot Housing, Includes Handle Hold-Up Feature and Weld-On Mounting Bracket and Hardware	1,600	Sidewind	10.00	8.00	9/16	Bulk
1413140334	4" x 5" Pivot Housing, Includes Handle Hold-Up Feature and Bolt-On Mounting Hardware for 3" x 5" Frame	1,600	Sidewind	10.00	8.00	9/16	Bulk

NOTE: Contact Horizon Customer Service for package quantities.
Twin Wheel US Patent D568,575 and Wide Wheel US Patent D570,072 and Handle US Patent D577,175

WARRANTY LIMITED LIFETIME

F2® MARINE AND RECREATIONAL JACK - TWIN TRACK MODEL

Part Number	Description	Lift Capacity (lbs.)	Handle Style	Screw Travel (in.)	Mount Travel (in.)	Pull Pin Diameter (in.)	Packaging
1413060334	3" x 4" Pivot Housing, Includes Handle Hold-Up Feature and Weld-On Mounting Bracket and Hardware	1,600	Sidewind	10.00	8.00	9/16	Bulk
1413130334	4" x 5" Pivot Housing, Includes Handle Hold-Up Feature and Bolt-On Mounting Hardware for 3" x 5" Frame	1,600	Sidewind	10.00	8.00	9/16	Bulk

NOTE: Contact Horizon Customer Service for package quantities.
Twin Wheel US Patent D568,575 and Wide Wheel US Patent D570,072 and Handle US Patent D577,175

WARRANTY LIMITED LIFETIME

1413060334

F2® MARINE AND RECREATIONAL JACK ACCESSORIES AND REPLACEMENT PARTS

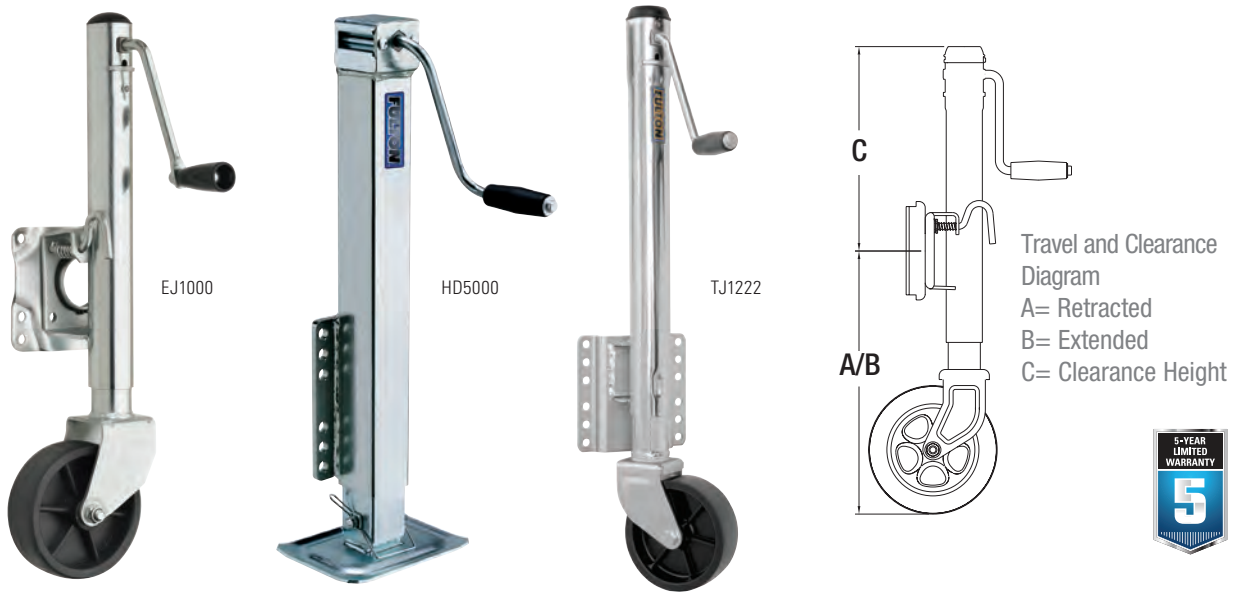| Part Number	Description	Packaging
500134	Handle/Crank Kit, Includes Handle Grip, Groove Pin and Mounting Hardware	Bagged
500129	Handle Holdup	Bagged
500135	Gearbox Cover Replacement Kit, Includes (4) Mounting Screws	Bagged
500136	Pull Pin Replacement Kit, Includes Spring and Retaining Ring	Bagged
500137	Bearing Replacement Kit, Includes (2) Washers	Bagged
500276	Replacement Part, F2 4" x 5" Mount w/Hardware	Bagged
500277	Weld-On Mounting Bracket and Hardware for 3"x4" Pivot Housing	Bagged
500314	Gear Kit, Includes Shim Washer 5/16" (1), Straight Pin 7/32" x 3/4" (1), Groove Pin 3/16" x 1-1/4" (1) and Washer 1/2" ID x 1-1/4" OD (1)	Bagged
500320	Jack Accessory, XP to F2 Adapter Kit, For F2 Swivel Mount w/4" Frame	Ind. Box
Twin Track Replacement Parts		
500130	Twin Track Wheel Replacement Kit, Includes (2) Wheels and Mounting Hardware	Bagged
500138	Twin Track Wheel Only (1)	Bagged
500132	Twin Track Wheel Wedge Kit, Includes Mounting Hardware	Bagged
Wide Track Replacement Parts		
500131	Wide Track Wheel Replacement Kit, Includes Wheel and Mounting Hardware	Bagged
500133	Wide Track Wheel Wedge Kit, Includes Mounting Hardware	Bagged

XP10

XP15

MARINE AND RECREATIONAL JACKS

- Designed for use with marine and utility trailers, Fulton® brand tongue jacks are time- tested and application-proven. Our bolt-on versions include all necessary mounting hardware. For weld-on applications, we offer two styles of mounts for both 1/2 in. and 3/8 in. pull pin models.
- The Fulton® brand patented bolt-thru swivel mounts use 3-D formed heavy-gauge steel stampings and a proprietary bushing material for a mount with minimal deflection and maximum support. All mounts fit up to a 3 in. x 5 in. trailer frame.
- Extensive choice of popular models, sidewind crank with round or square tubes
- Strong proprietary bushing materials
- Stable formed heavy-gauge steel construction
- Dependable design
- Lift capacity from 400 lbs. to 5,000 lbs.

5-YEAR LIMITED WARRANTY

MAX 600 SUPERIOR PLATING

INDUSTRY LEADING CORROSION PROTECTION

- 600 hour salt spray rating per ASTM B117

MARINE AND RECREATIONAL JACKS - PATENTED BOLT-THRU SWIVEL

Part Number	Description	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)	Finish	Pull Pin Diameter (in.)	Packaging
XP10 0301	6" Diameter Wheel, Bolt-On, Mounting Hardware for up to 5" Frame Included	1,200	Sidewind	10.00	12.50	22.50	10.50	Z-Max 600	1/2	Bulk
XP10W 0301	6" Diameter Wheel, Weld-On, (P9012-00 Weld-On Mount and Hardware Sold Separately)	1,200	Sidewind	10.00	12.50	22.50	10.50	Z-Max 600	1/2	Bulk
XP100W0301	8" Diameter Spoked Wheel, Weld-On, (P9012-00 Weld-On Mount and Hardware Sold Separately)	1,200	Sidewind	10.00	14.80	24.80	10.50	Z-Max 600	1/2	Bulk
XP10WC0301	Improved Castering Performance - Yoke/Wheel Swivel Independent of Inner Tube, 6" Diameter Wheel, Weld-On, (P9012-00 Weld-On Mount and Hardware Sold Separately)	1,200	Sidewind	10.00	12.90	22.90	10.50	Z-Max 600	1/2	Bulk
XP15 0301	8" Diameter Spoked Wheel, Bolt-On, Mounting Hardware for up to 5" Frame Included	1,500	Sidewind	10.00	13.00	23.00	12.40	Z-Max 600	1/2	Bulk
XP15W 0301	8" Diameter Spoked Wheel, Weld-On, (P9012-00 Weld-On Mount and Hardware Sold Separately)	1,500	Sidewind	10.00	13.00	23.00	12.40	Z-Max 600	1/2	Bulk
XP15WC0301	Improved Castering Performance - Yoke/Wheel Swivel Independent of Inner Tube, 8" Diameter Wheel, Weld-On, (P9012-00 Weld-On Mount and Hardware Sold Separately)	1,500	Sidewind	10.00	13.60	23.60	12.40	Z-Max 600	1/2	Bulk
1411300301	Ideal for Torsion Axle Trailers - Mount 2" Higher, Improved Castering Performance - Yoke/Wheel Swivel Independent of Inner Tube, 8" Diameter Spoked Wheel, Weld-On, (P9012-00 Weld-On Mount and Hardware Sold Separately)	1,500	Sidewind	10.00	15.60	25.60	10.40	Z-Max 600	1/2	Bulk
XP15L 0301	Additional 2" of Travel, 8" Diameter Spoked Wheel, Bolt-On, Mounting Hardware for up to 5" Frame Included	1,500	Sidewind	12.00	13.00	25.00	14.40	Z-Max 600	1/2	Bulk
XPD15L0301	Dual Wheel, Additional 2" of Travel, 6" Diameter Wheels, Bolt-On, Mounting Hardware for up to 5" Frame Included	1,500	Sidewind	12.00	13.10	25.10	12.40	Z-Max 600	1/2	Bulk

EJ1000   HD5000   TJ1222

Travel and Clearance
Diagram
A= Retracted
B= Extended
C= Clearance Height

C

A/B

5-YEAR LIMITED WARRANTY
5

MARINE AND RECREATIONAL JACKS - RETAINING RING SWIVEL - 3/8 IN. PULL PIN DIAMETER

Part Number	Description	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)	Finish	Pull Pin Diameter (in.)	Packaging
TJ120W0301	6" Diameter Wheel, Weld-On, Mount and Retaining Ring Included, Both Shipped Loose/Unassembled	1,200	Sidewind	10.00	12.70	22.70	11.40	Z-Max 600	3/8	Bulk
EJ10000301*	6" Wheel, Bolt-On, Fits up to 3" x 5" Trailer Frame	1,000	Sidewind	10.00	13.00	23.00	11.00	100 Hr. Clear Zinc	3/8	Bulk

*1 year limited warranty

MARINE AND RECREATIONAL JACKS - FIXED MOUNT

Part Number	Description	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)	Finish	Packaging
TJ12220301	6" Diameter Wheel, Bolt-On, Mount Hardware for up to 5" Frame Included	1,200	Sidewind	15.00	9.30	24.30	19.50	Z-Max 600	Bulk
35SM28FZ	Heavy Duty Square, Drop Leg Jack, 3.8" x 7.5" Footplate, Bolt-On, Mounting Hardware for up to 5" Frame Included, Travel Includes Drop Leg	1,200	Sidewind	28.00	7.00	35.50	19.25	Z-Max 600	Bulk
HD50000301	Heavy Duty Square, Drop Leg Jack, 6.0" x 8.0" Footplate, Bolt-On, Mounting Hardware for 4", 5", and 6" High Frames Included, Travel Includes Drop Leg	5,000	Sidewind	28.00	6.50	35.00	18.50	Z-Max 600	Bulk

500286

500320
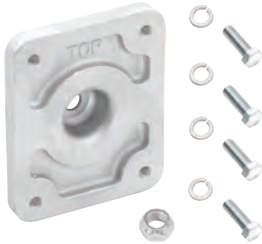
0933301S00

6811S00

1400700340

1400750340

MARINE AND RECREATIONAL JACK PARTS AND ACCESSORIES

Part Number	Description
Mounting Kits	
500286	Bolt-On Mounting Hardware Kit
500349	Bolt on Mounting Kit for XP Series Jacks
0933325S00	Mounting Hardware and Bushing for XP Bolt-Thru Swivel Mount
P9012-00	Weld-On Mount and Hardware Kit, 1/2" Pin
Adapter Kits	
500320	Jack Accessory, XP to F2 Adapter Kit, For F2 Swivel Mount with 4" Frame
Handle Kits	
0933301S00	Includes (1) Handle Assembly with Plastic Handle Roller, (1) Groove Pin, and (1) Flanged Bushing TJ503/C, TJU503, PMJ53, TJ507/C, PMJ75, CS750, GR700/TJ712, XP10/L/W/WC, XP100
0933305S00	Includes (1) Handle Assembly with Plastic Handle Roller, (1) Groove Pin, and (1) Flanged Bushing TJ1055, TJ1057, TJ1222, TJ255, TJD125, TJ122F, XP15/L/W/WC, XP15L, HD2500
Bevel Gear Kits	
0933302S00	Includes (2) Gears, (1) Groove Pin, (1) Pin, (1) Washer, and (1) Flanged Bushing TJ503, XP10 (all 1,200 lbs. capacity)
0933306S00	Includes (2) Gears, (1) Groove Pin, (1) Pin, (1) Washer, (1) Spacer, and (2) Flanged Bushings TJ1055, TJ1057, TJ1222, TJ1255, TJD125, TJ122F, XP15/L/W/WC, XPF15L, HD2500
Plunger Pin Kit	
0933307S00	Includes (1) ½" Plunger Pin, (1) Plunger Pin Cap, (1) Washer, (1) Cotter Pin, and (1) Spring TJ1055, TJ1057, TJ1255, TJD125, TJ122F, XP15/L/W/WC, XPF15L XP10 (all 1,200 lbs. capacity)
Wheel Repair Kit	
6811S00	All 6" Models Including TJ600T (Excluding TJD125, TJD103)
0933323S00	All 8" models
Caps	
500325	Cap - HD2500 Jack
500322	Cap - TJ1200 and EJ1000
500323	Cap - XP10
500324	Cap - XP15

NOTE: RED part numbers indicate discontinued items.

STANDARD ECONOMY A-FRAME ROUND JACK WHEEL AND FOOT OPTIONS

Part Number	Description
1400700340	Removable Footplate, 2.10" Tall, Fits 2" Inner Tube, Includes Pull Pin Assembly, Clear Zinc Finish, 5,000 lbs. Capacity
1400750340	Removable 6" Caster, Includes Pull Pin Assembly, Clear Zinc Finish, 1,200 lbs. Capacity
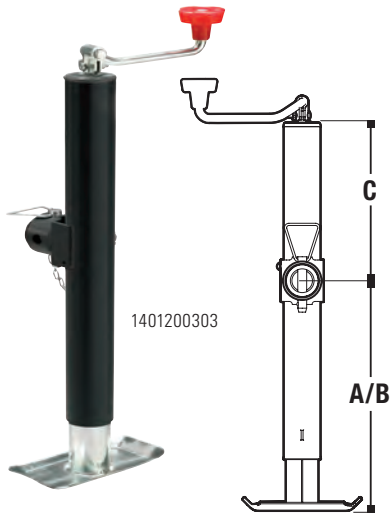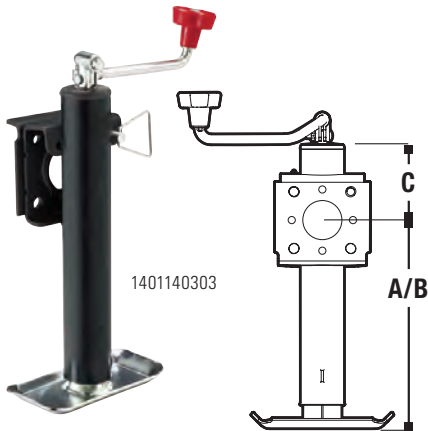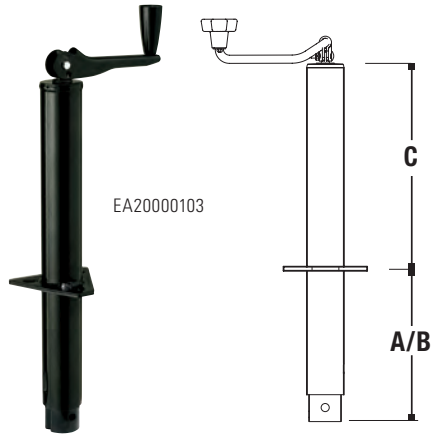
STANDARD ECONOMY ROUND JACKS
- Designed for use with recreational and utility trailers
- Bolt-on versions include all necessary mounting hardware
- Weld-on versions include mating mount and retaining ring
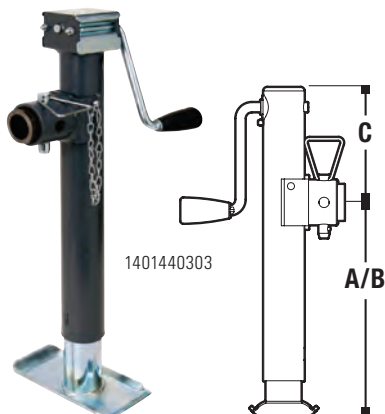- A-frame models have black painted outer and inner tubes, all other models have black painted outer and clear zinc inner tubes

EA20000103

A-FRAME ROUND JACKS

Part Number	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
RV20000103	2,000	Sidewind	14.00	9.00	23.00	13.00
RV20000303	2,000	Sidewind	14.00	9.00	23.00	13.00
EA20000103	2,000	Topwind	14.00	8.00	22.00	11.00
EA20000303	2,000	Topwind	14.00	8.00	22.00	11.00
EA20000340	2,000	Topwind	14.00	8.00	22.00	11.00
1401000303	2,000	Topwind	15.00	5.50	20.50	16.00
1400600303	5,000	Topwind	15.00	10.80	25.80	14.55

1401140303

RETAINING RING SWIVEL, BOLT-ON, ROUND JACKS WITH FOOTPLATE
- Mounting hardware included

Part Number	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
1400300303	2,000	Topwind	10.00	11.00	21.00	4.00

RETAINING RING SWIVEL, WELD-ON, ROUND JACKS WITH FOOTPLATE
- Mating mount and retaining ring included

Part Number	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
1401140303	2,000	Topwind	10.00	11.00	21.00	4.00
1401040303	2,000	Topwind	15.00	14.50	29.50	10.00
1401020303	2,000	Sidewind	10.00	10.40	20.40	6.29
1401030303	2,000	Sidewind	15.00	14.40	29.40	12.25

1401200303

TUBULAR SWIVEL, WELD-ON, ROUND JACKS WITH FOOTPLATE
- Mating mount and pull pin included

Part Number	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
1401060303	2,000	Sidewind	10.00	11.20	21.20	5.45
1401080303	2,000	Sidewind	15.00	14.40	29.40	12.25
1400400303	2,000	Topwind	10.00	11.00	21.00	4.00
1401200303	2,000	Topwind	15.00	14.50	29.50	10.00
1401420303	5,000	Sidewind	10.00	10.50	20.50	6.25
1401440303	5,000	Sidewind	15.00	15.50	30.50	6.25
1401460303	5,000	Topwind	10.00	11.20	21.20	4.00
1401480303	5,000	Topwind	15.00	14.70	29.70	10.00

1401440303

Unless otherwise noted, A-Frame without footplate jacks:
1) Finish is black painted inner and outer tubes   2) Jacks are bulk packed

Tubular
Swivel

5.80"
RADIUS

4.6"

C

A/B

178201
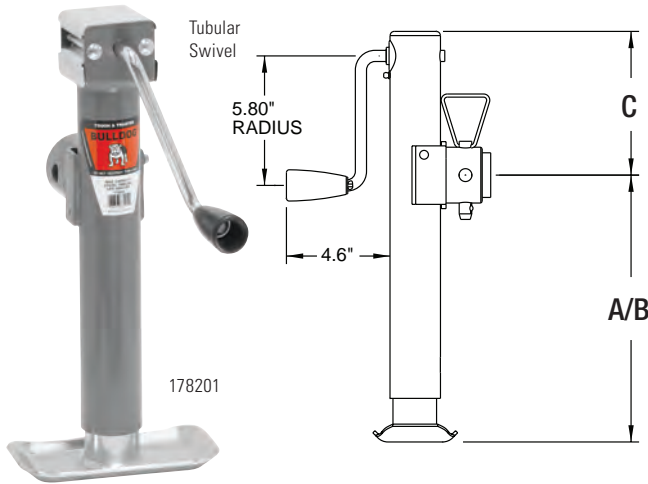
ROUND JACKS

- High-strength, heavy-duty design
- Unmatched strength, reliability, safety and value
- Precision fitted parts for extra stability
- A-Frame models listed have gray painted outer and inner tubes
- Most models have gray outer tube and zinc plated inner tube

ASABE®

THE CHOICE WHEN
APPLICATION REQUIRES
COMPLIANCE WITH
ASABE S485 STANDARDS

Travel and Clearance Diagram
A= Retracted
B= Extended
C= Clearance Height

TUBULAR SWIVEL ROUND JACKS

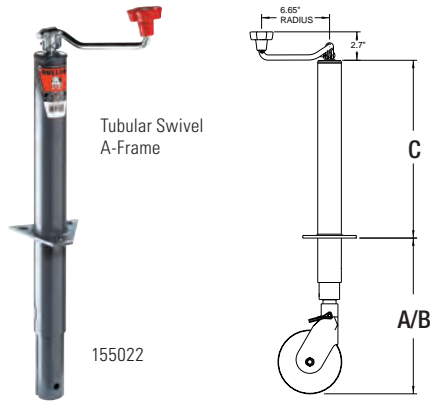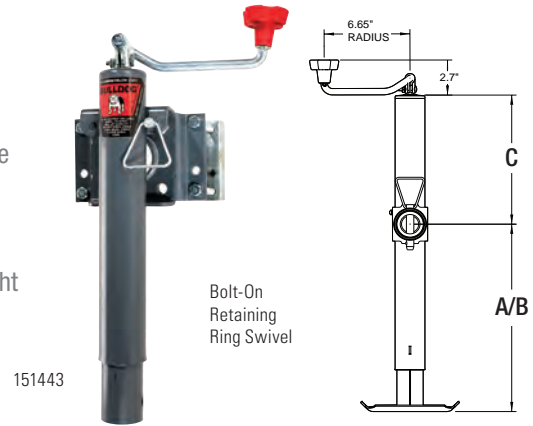| Part Number	Model Number	Description	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
158451 ◊	TWS 158 DTSF w/P&C	Weld-On Tubular Mount with 9/16" Pin and Foot plate, Male Mating Mount Included	2,000	Topwind	10.00	11.00	21.00	4.00
158452 ◊	TWL 158 DTSF w/P&C	Weld-On Tubular Mount with 9/16" Pin and Foot plate, Male Mating Mount Included	2,000	Topwind	15.00	14.50	29.50	10.00
150441	TWS 150 DTSFX w/P&C	Weld-On Tubular Mount, with 9/16" Pin and Footplate, Clear Zinc Finish, Mating Mount Not Included	2,000	Topwind	10.00	11.00	21.00	4.00
158488	TWL 150 DTSF w/P&C	Weld-On Tubular Mount, with 9/16" Pin and Footplate, Clear Zinc Finish, Mating Mount Included	2,000	Topwind	15.00	16.00	31.00	4.00
158109	SWS 158 DTSF w/P&C	Weld-On Tubular Mount with 9/16" Pin and Footplate, Male Mating Mount Included	2,000	Sidewind	10.00	10.80	20.80	6.40
158151 ◊	SWL 158 DTSF w/P&C	Weld-On Tubular Mount with 9/16" Pin and Footplate, Male Mating Mount Included	2,000	Sidewind	15.00	14.50	29.50	12.20
1541150301	SWS 158 DTSF	Weld-On Tubular Mount with 5/8" Pin, No Foot, Male Mating Mount Not Included	2,000	Sidewind	10.00	7.70	17.70	8.70
1581090301	N/A	Weld-On Tubular Mount	2,000	Sidewind	10.00	10.80	20.80	6.30
1501040301	TWL 150 DTSF w/P&C	Weld-On Tubular Mount with 5/8" Pin and Footplate, Male Mating Mount Included, Clear Zinc Outer Tube and Inner Tube	3,000	Topwind	15.00	12.40	27.40	12.25
610322	3 TMX-20-X	Weld-On Tubular Mount with 5/8" Pin and Footplate, Male Mating Mount Not Included, Clear Zinc Outer Tube and Inner Tube	3,000	Topwind	20.00	3.10	23.10	3.70
178101 ◊	TWS 178 DTSF w/P&C	Weld-On Tubular Mount with 9/16" Pin and Foot plate, Male Mating Mount Included	5,000	Topwind	10.00	11.25	21.25	4.00
178151	TWL 178 DTSF w/P&C	Weld-On Tubular Mount with 9/16" Pin and Foot plate, Male Mating Mount Included	5,000	Topwind	15.00	14.70	29.70	10.00
178201 ◊	SWS 178 DTSF w/P&C	Weld-On Tubular Mount with 5/8" Pin and Footplate, Male Mating Mount Included	5,000	Sidewind	10.00	10.40	20.40	6.40
178203	SWL 178 DTSF w/P&C	Weld-On Tubular Mount with 5/8" Pin and Footplate, Male Mating Mount Included	5,000	Sidewind	15.00	15.40	30.40	6.40
198100	TWS 198 DTSM w/P&C	Weld-On Tubular Mount with 5/8" Pin and Footplate, Female Mating Mount Included	7,000	Topwind	10.00	10.80	20.80	4.50
198200	TWL 198 DTSM w/P&C	Weld-On Tubular Mount with 5/8" Pin and Footplate, Female Mating Mount Included	7,000	Topwind	15.00	15.80	30.80	4.25
198150 ◊	SWS 198 DTSM w/P&C	Weld-On Tubular Mount with 5/8" Pin and Footplate, Female Mating Mount Included	7,000	Sidewind	10.00	11.00	21.00	6.40
198250	SWL 198 DTSM w/P&C	Weld-On Tubular Mount with 5/8" Pin and Footplate, Female Mating Mount Included	7,000	Sidewind	15.00	16.00	31.00	6.40

Tubular Swivel
A-Frame

Travel and Clearance
Diagram
A= Retracted
B= Extended
C= Clearance Height

6.65"
RADIUS
2.7"

C

A/B

155022

Bolt-On
Retaining
Ring Swivel

6.65"
RADIUS
2.7"

C

A/B

151443

A-FRAME ROUND JACKS

Part Number	Model Number	Description	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
155022 ◊	TWL 155	Weld-On/Bolt-On Bracket, Less Wheel or Base	2,000	Topwind	15.00	8.80	23.80	12.20
155028	TWL 155	Weld-On/Bolt-On Bracket, Less Wheel or Base, Clear Zinc Finish	2,000	Topwind	15.00	8.40	23.40	13.00
155033	TWL 155X	Weld-On/Bolt-On Bracket, Less Wheel or Base	2,000	Topwind	15.00	5.40	20.40	16.00
155100	N/A	7.5" Bracket to Ground Retracted, with Welded Disc Foot	2,000	Topwind	15.00	7.50	22.50	17.00
155157 ◊	SWL 155X (RV)	External Gear Box, Handle to Front, Weld-On/Bolt-On Bracket, Less Wheel or Base	2,000	Sidewind	13.00	8.60	21.50	13.00
1550100317	SWL 155 X	External Gear Box, Weld-On/Bolt-On Bracket, Less Wheel or Base	3,000	Sidewind	13.00	7.00	20.00	14.50
1550101344	SWL 155 X	External Gear Box, Weld-On/Bolt-On Bracket, Less Wheel or Base, Clear Zinc Finish	3,000	Sidewind	13.00	7.00	20.00	14.50
155032 ◊	TWL 155 HD	Weld-On/Bolt-On Bracket, Less Wheel or Base, 5,000 lbs. Vertical Load Capacity	5,000	Topwind	15.00	10.30	25.30	10.20
1750290317 ◊	TWL 175	Weld-On/Bolt-On Bracket, Less Wheel or Base	5,000	Topwind	15.00	10.82	25.82	10.70
1750290301	TWL 175	Weld-On/Bolt-On Bracket, Less Wheel or Base, Clear Zinc Finish	5,000	Topwind	15.00	10.82	25.82	10.70
1700100317	SWL 175	Handle to Front, Weld-On/Bolt-On Bracket, Less Wheel or Base	5,000	Sidewind	15.00	8.60	23.60	12.75
1700100301	SWL 175	Handle to Front, Weld-On/Bolt-On Bracket, Less Wheel or Base, Clear Zinc Finish	5,000	Sidewind	15.00	8.60	23.60	12.75

BOLT-ON RETAINING RING SWIVEL ROUND JACKS

Part Number	Model Number	Description	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
151443 ◊	TWS 159 SX	Bolt-On Swivel Bracket Assembled with Mounting Hardware, 1/2" Diameter Plunger Pin, Without Base, Fits Tongue up to 3" x 4"	2,000	Topwind	10.00	11.00	21.00	4.00

CENTERBOLT SWIVEL ROUND JACKS

Part Number	Model Number	Description	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
154102	SWS 154 DC	Centerbolt Swivel Jack with	2,000	Sidewind	10.00	10.80	20.80	6.26
154107	TWS 154 DCX	Centerbolt Swivel Jack with 1/2" Diameter Plunger Pin and Footplate, Female Mating Mount Not Included	2,000	Topwind	10.00	11.00	21.00	4.00
Mounts								
500349	Bolt-On Mounting Kit for Centerbolt Swivel Round Jacks							
500286	Bolt-On Mounting Hardware							
P9012-00	Weld-On Mounting Kit for Centerbolt Swivel Round Jacks							

BULLDOG®

TRAILER JACKS

ROUND JACKS

Travel and Clearance Diagram
A= Retracted
B= Extended
C= Clearance Height

6.65" RADIUS

2.7"

C

A/B

Weld-On Retaining Ring Swivel
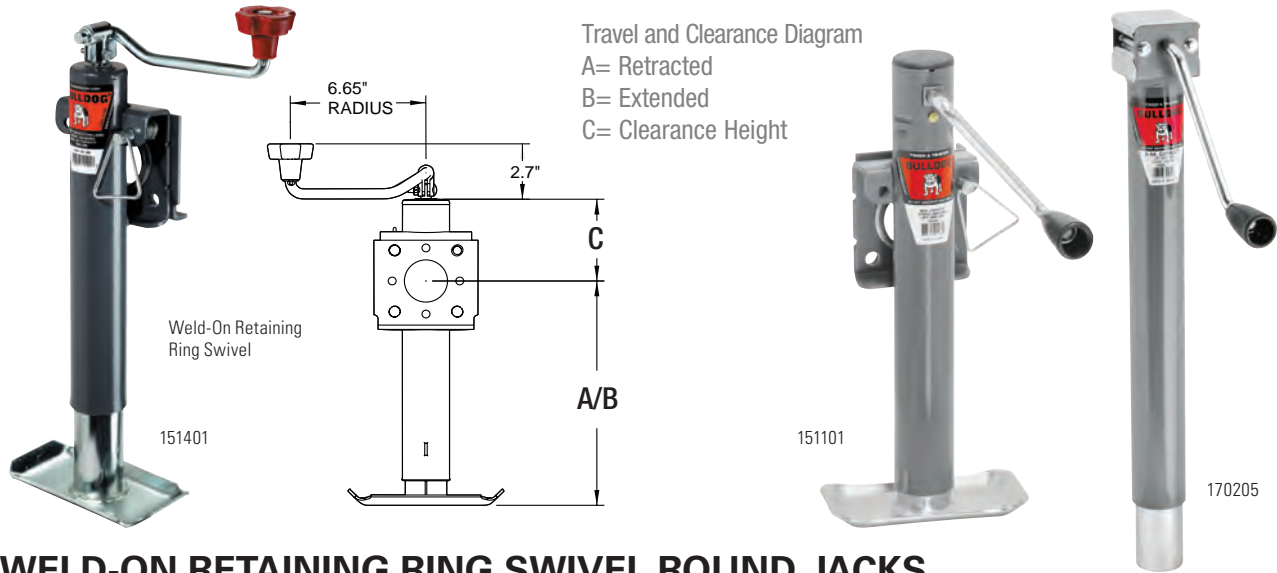
151401

151101

170205

WELD-ON RETAINING RING SWIVEL ROUND JACKS

Part Number	Model Number	Description	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
151401 ◊	TWS 151 DS	Weld-On L-Bend Swivel Bracket Assembled, 1/2" Diameter Plunger Pin, With Footplate	2,000	Topwind	10.00	11.00	21.00	4.00
151421	TWL 151 DS	Weld-On L-Bend Swivel Bracket Assembled, 1/2" Diameter Plunger Pin, With Footplate	2,000	Topwind	15.00	14.50	29.50	10.00
151460	TWS 151 DS	3/8" Diameter Plunger Pin, With Footplate, Clear Zinc Finish, Weld-On L-Bend Swivel Bracket Sold Separately	2,000	Topwind	10.00	11.00	21.00	4.00
151464	TWL 151 DS	Weld-On L-Bend Swivel Bracket Assembled, 3/8" Diameter Plunger Pin, With Footplate	2,000	Topwind	15.00	16.00	31.00	4.00
151101 ◊	SWS 151 DS	Weld-On L-Bend Swivel Bracket Assembled, 1/2" Diameter Plunger Pin, With Footplate	2,000	Sidewind	10.00	11.00	21.00	6.40
151110	SWS 151 DSX	Weld-On L-Bend Swivel Bracket Assembled, 3/8" Diameter Plunger Pin, With Footplate	2,000	Sidewind	15.00	15.80	30.80	6.25
151159	SWL 151 DS	Weld-On L-Bend Swivel Bracket Assembled, 1/2" Diameter Plunger Pin, With Footplate	2,000	Sidewind	15.00	14.50	29.50	12.20
171401	TWS 171 DS	Weld-On L-Bend Swivel Bracket Assembled, 1/2" Diameter Plunger Pin, With Footplate	5,000	Topwind	10.00	11.25	21.25	4.00
171412	TWL 171 DS	Weld-On L-Bend Swivel Bracket Assembled, 1/2" Diameter Plunger Pin, With Footplate	5,000	Topwind	15.00	14.50	29.50	10.00

ROUND JACKS WITHOUT MOUNT

Part Number	Model Number	Description	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
150037	TWL 150 X	No Foot, No Mount, Painted Outer Tube, Zinc Inner Tube	2,000	Topwind	10.00	20.40	35.40	-
150152	SWL 150	No Foot, No Mount, Painted Outer Tube, Zinc Inner Tube	2,000	Sidewind	15.00	26.60	41.60	-
1500520317	SWL 150 X	No Foot, No Mount, Painted Outer Tube, Zinc Inner Tube	2,000	Sidewind	15.00	23.60	38.60	-
150000	TWL 150	No Foot, No Mount, Painted Outer Tube, Zinc Inner Tube	2,000	Topwind	10.00	15.00	25.00	-
1701480317	TWL 170	No Foot, No Mount, Painted Outer Tube, Zinc Inner Tube	5,000	Topwind	15.00	21.00	36.00	-
170205	SWL 170	No Foot, No Mount, Painted Outer Tube, Zinc Inner Tube	5,000	Sidewind	15.00	19.20	34.20	-

NOTE: Review price list or contact customer service for package quantities and full part number. Other custom-made designs are available upon request.
◊ DENOTES MOST POPULAR
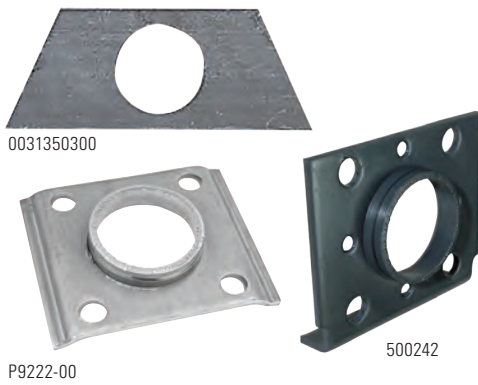
ROUND JACK MOUNTING OPTIONS

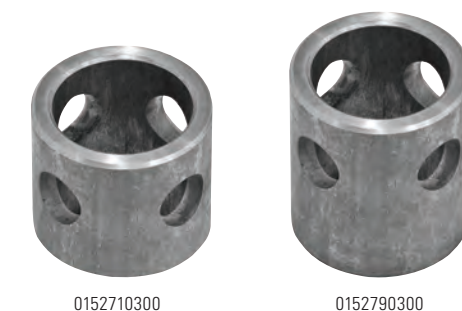| Part Number	Description	Packaging
P9222-00	Weld-On Retaining Ring Swivel Mount	Bulk
0050240300	Female, Weld-On, Tubular Swivel Mount, 5/8" Hole	Bulk
500239	Male, Weld-On, Tubular Swivel Mount, 9/16" Hole	Bulk
500242	Weld-On, Swivel Bracket with L-Bend	Bulk
0031350300	Weld-On, A-Frame Bottom Support Plate	Bulk

0031350300

P9222-00

500242

ROUND JACK HANDLE OPTIONS

Part Number	Description	Packaging
500256	Sidewind Crank Kit, Handle, 5-51/64" Radius Assembly and Gear 2,000 lbs. Jacks	Bulk
500105	Sidewind Crank Assembly for 170's with Black Knob	Clam
500180	Topwind Crank, 3-3/4" Radius with Red BULLDOG Knob for 750 - 5,000 lbs. Jacks	Clam
500148	Topwind Crank, 9" Radius with Black "Tear Drop" Knob for 7,000 lbs. Jacks	Clam
500171	Sidewind Crank Assembly for 190 Series, Black	Clam

500256 500180 500148 500105 / 500171

ROUND JACK WHEEL / FOOT OPTIONS

Part Number	Description	Packaging
017125	Removable Steel Caster. Reduces Overall Jack Capacity to 1,000 lbs.	Bulk
CE555 0301	Removable Polyolefin Caster. Reduces Overall Jack Capacity to 1,200 lbs.	Bulk
500244	Detachable Base, 2.1" Height, Fits 2" Tube	Bulk
018098	Detachable Base, 6.2" Height, Fits 2" Tube	Bulk
500245	Removable 6" Caster with Pin. Fits Jacks with 2" Inner Tube	Bulk
1400700340	Removable Footplate, 2.10" Tall, Fits 2" Inner Tube, Includes Pull Pin Assembly, Clear Zinc Finish, 5,000 lbs. Capacity	Bulk
1400750340	Removable 6" Caster, Includes Pull Pin Assembly, Clear Zinc Finish, 1,200 lbs. Capacity	Bulk

500244 017125 CE555 0301

ROUND JACK TUBE MOUNTS

Part Number	Description	Packaging
0031550300	Female, Weld-On, 3/4" Pin for 190 Series	Bulk
0050050300	Male, Weld-On, 9/16" Pin	Bulk
0152710300	Female, Weld-On, 9/16" Pin, 2.5" O.D.	Bulk
0152730300	Male, Weld-On, 9/16" Pin for 150 Series and 170 Series	Bulk
0152790300	Male, Weld-On, 5/8" Pin, 2" O.D. for 170 Series	Bulk
0050240300	Female, Weld-On, 5/8" Pin for 190 Series	Bulk
7011800300	Male, Weld-On, 3/4" Pin for 190 Series	Bulk
005122	Female, Weld-On, 7/8" Pin for #182524 and #182374	Bulk
500315	Female, Weld-On, 5/8" Pin for 150 Series, 170 Series and 190 Series	Bulk
PQM19-00	Male, Weld-On, 5/8" Pin, 2.5" O.D.	Bulk

0152710300 0152790300

5K SQUARE JACKS

Compared to round jacks of similar capacities, the BULLDOG® 5,000 lbs. support capacity square jack dramatically improves side load strength while maintaining the economical benefits of lower capacity jacks. The extra side load capacity you need without the costs of increasing overall capacity.

- 12 gauge square tube is 70% stronger than 12 gauge round tube for more side load and support strength with the same lift capacity
- 4.62 in. outer tube overlap at full extension for additional side load strength
- Weather-resistant materials and coatings. Painted outer tubes, clear zinc inner tubes
- Proven, reliable mechanical elements provide dependable strength and long-lasting, durable performance
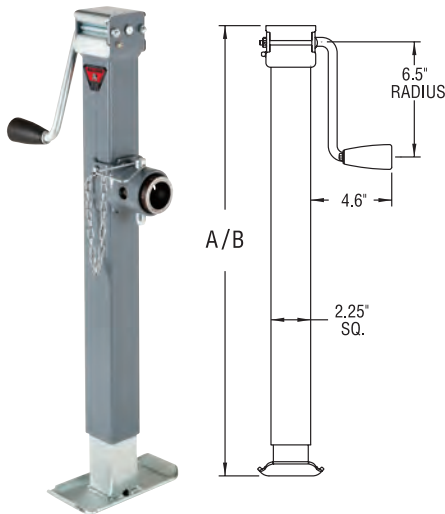- Mounts included in this series of jacks

ASABE

THE CHOICE WHEN APPLICATION REQUIRES COMPLIANCE WITH ASABE S485 STANDARDS

Travel and Clearance Diagram
A= Retracted
B= Extended
C= Clearance Height

5K

Tubular Swivel Mount Round - 195356

5K ROUND TUBULAR SWIVEL SQUARE JACKS

- Fixed leg with base with tubular swivel mount
- Includes male mating mount, pin and chain

Part Number	Model Number	Support Capacity (lbs.)	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
195306 ◊	TWL 195 DTSFQ	5,000	3,000	Topwind	15.00	15.20	30.20	7.00
195356 ◊	SWL 195 DTSFQ w/P&C	5,000	3,000	Sidewind	15.00	15.10	30.10	9.25

5K SQUARE TUBULAR SWIVEL SQUARE JACKS

- Fixed leg with base with square mount welded to outer tube
- Includes male mating mount, pin and chain

Part Number	Model Number	Support Capacity (lbs.)	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
195312 ◊	TWL 195 DTSXFQ w/P&C	5,000	3,000	Topwind	15.00	15.20	30.20	7.00
195362	SWL 195 DTSXFQ w/P&C	5,000	3,000	Sidewind	15.00	15.10	30.10	9.25

Patent Pending. NOTE: Contact Price List or Customer Service for package quantities and full part number.
◊ DENOTES MOST POPULAR

Tubular Swivel Mount Square - 195312

A-Frame - 195318

A-Frame - 195321

Travel and Clearance Diagram
A= Retracted
B= Extended
C= Clearance Height

Direct Weld - 195354

6.5" RADIUS
2.8"
C
2.25" SQ.
A / B
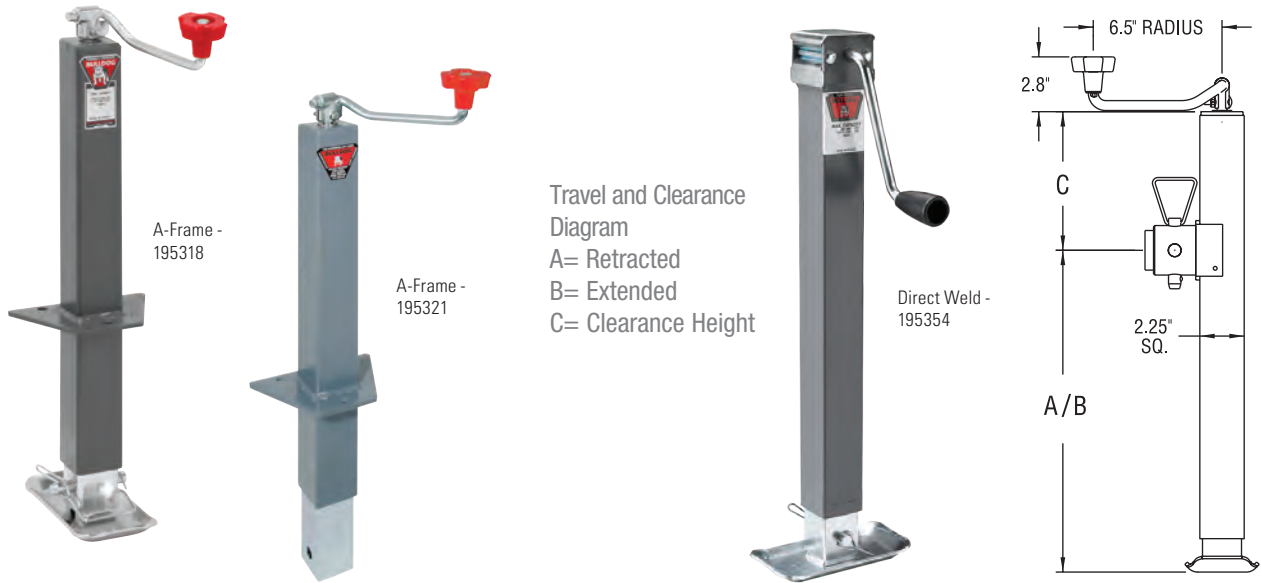
5K A-FRAME SQUARE JACKS

Part Number	Model Number	Description	Support Capacity (lbs.)	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
195318	TWL 195 DL-DFXQ	Drop Leg with Base, Drop Leg Offers 13.50" Additional Adjustment	5,000	3,000	Topwind	15.00	7.90	36.50	14.70
195321 ◊	TWL 195 FL-FXQ	Fixed Leg Less Base	5,000	3,000	Topwind	15.00	7.40	22.40	14.70

5K DIRECT WELD SQUARE JACKS

Part Number	Model Number	Description	Support Capacity (lbs.)	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
195301 ◊	TWL 195 DQ	Fixed Leg with Base	5,000	3,000	Topwind	15.00	22.20	37.20	-
195304 ◊	TWL 195 DL-DXQ	Drop Leg with Base, Drop Leg Offers 13.50" Additional Adjustment	5,000	3,000	Topwind	15.00	22.60	51.20	-
195319	TWL 195 FL-BXQ	Fixed leg with Caster Base	5,000	3,000	Topwind	15.00	22.30	37.30	-
195320	TWL 195 FL-XQ	Fixed Leg Less Base	5,000	3,000	Topwind	15.00	22.10	37.10	-
195351	SWL 195 DQ	Fixed Leg with Base	5,000	3,000	Sidewind	10.00	17.70	27.70	-
195352	SWL 195 DQ	Fixed Leg with Base	5,000	3,000	Sidewind	15.00	24.40	39.40	-
195354 ◊	SWL 195 DL-DXQ	Drop Leg with Base, Drop Leg Offers 13.50" Additional Adjustment	5,000	3,000	Sidewind	15.00	25.50	54.10	-
195368	SWL 195 FL-XQ	Fixed leg with Caster Base	5,000	3,000	Sidewind	15.00	24.40	39.40	-
195369	SWL 195 FL-XQ	Fixed Leg Less Base	5,000	3,000	Sidewind	15.00	24.20	39.20	-

Patent Pending. NOTE: Contact Price List or Customer Service for package quantities and full part number.
◊ DENOTES MOST POPULAR

Tubular Swivel Mount - 190705

Tubular Swivel Mount - 190756
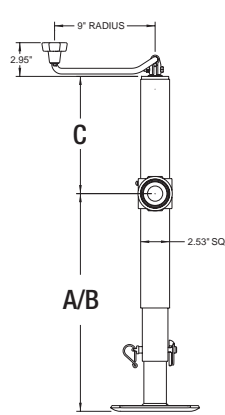
8K SQUARE JACKS

The BULLDOG® 8,000 lbs. support capacity square jack serves the agricultural, industrial, construction, horse/livestock trailer, and utility/cargo trailer markets. The compact design of these jacks makes them ideal for tight-fitting applications where 3 in. and 4 in. square tube jacks are too large.

- Use the painted outer tube as the final finish or primer
- Zinc-plated inner tube and drop leg
- 4.7 in. outer / inner tube overlap - results in optimal side load performance
- 5/8 in. screw stem - provides insurance against screw stem twisting off
- Patented screw nut stop - prevents screw and/or nut damage when jack is fully extended
- Topwind models - bushing in top cap, eagle claw grip
- Sidewind models - 1/4 in. cross pin connects gear train to screw stem - guards against shearing jack pin sidewind models - 1:1.33 gear ratio

ASABE

THE CHOICE WHEN APPLICATION REQUIRES COMPLIANCE WITH ASABE S485 STANDARDS

Travel and Clearance Diagram
A= Retracted
B= Extended
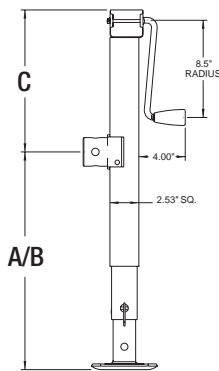C= Clearance Height

8K

8K TUBULAR SWIVEL SQUARE JACKS

Part Number	Model Number	Description	Support Capacity (lbs.)	Lift Capacity (lbs.)	Handle Style	Travel	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
190705 ◊	TWS 190 FL-B TSMQ w/P&C	Fixed Leg with Heavy-Duty Base and Tubular Swivel Mount, Includes Mating Mount, Pin and Chain	8,000	5,000	Topwind	10.00	11.41	21.41	4.25
190706	TWL 190 FL-B TSMQ w/P&C	Fixed Leg with Heavy-Duty Base and Tubular Swivel Mount, Includes Mating Mount, Pin and Chain	8,000	5,000	Topwind	15.00	12.16	27.16	10.25
190708	TWL 190 DL-B TSMQ w/P&C	Drop Leg with Heavy-Duty Base, Drop Leg Offers 13.50" Additional Adjustment, Tubular Swivel Mount Mating Mount, Pin and Chain	8,000	5,000	Topwind	15.00	12.66	41.16	10.25
190724	TWL 190 FL-DTS BQ	Fixed Leg with Heavy-Duty Base and Tubular Swivel Mount, Includes Pin and Chain, without Mating Mount, use 0031550300	8,000	5,000	Topwind	15.00	15.10	30.10	7.00
190756 ◊	SWL 190 FL-B TSMQ w/P&C	Fixed Leg with Heavy-Duty Base and Tubular Swivel Mount, Includes Mating Mount, Pin and Chain	8,000	5,000	Sidewind	15.00	12.16	27.16	12.40
190758	SWL 190 DL-B TSMQ w/P&C	Drop Leg with Heavy-Duty Base, Drop Leg Offers 13.50" Additional Adjustment, Tubular Swivel Mount Mating Mount, Pin and Chain	8,000	5,000	Sidewind	15.00	12.66	41.16	12.40
190789†	SWL 190 FL-BQ	Fixed Leg with Heavy-Duty Base and Tubular Swivel Mount. Includes Pin and Chain, without Mating Mount, use 0031550300.	8,000	5,000	Sidewind	15.00	15.10	30.10	9.40

† = Available While Supplies Last.

8K DIRECT WELD SQUARE JACKS

Part Number	Model Number	Description	Support Capacity (lbs.)	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
190704 ◊	TWL 190 DL-BQ	Drop Leg with Heavy-Duty Base, Drop Leg Offers 13.50" Additional Adjustment	8,000	5,000	Topwind	15.00	22.66	51.41	-
190754 ◊	SWL 190 DL-BQ	Drop Leg with Heavy-Duty Base, Drop Leg Offers 13.50" Additional Adjustment	8,000	5,000	Sidewind	15.00	25.06	53.56	-
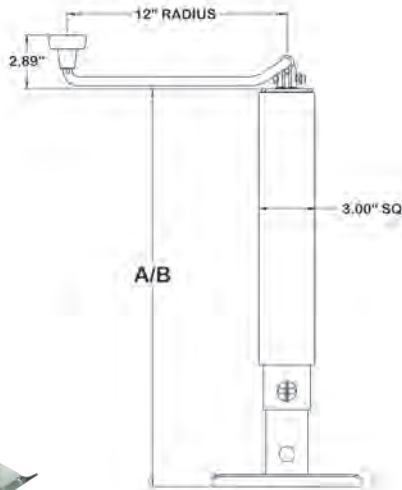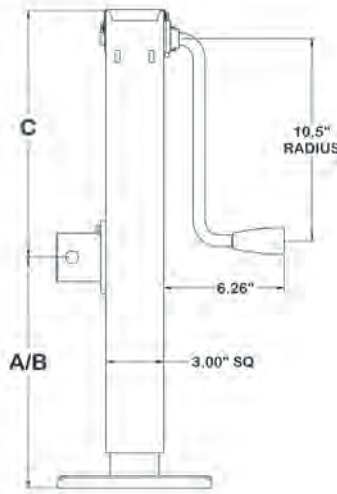
10K SQUARE JACKS

The BULLDOG® 10,000 lbs. support capacity square jacks "fills the gap" between 8,000 lbs. and 12,000 lbs. square jack product offerings. If the existing 8,000 lbs. support capacity square jacks are too small or the 12,000 lbs. support capacity square jacks are too large, look no further – your application and pricing requirements have been met!

- Highest quality and best performing jack available in the marketplace today, a total balance between capacity, speed, and effort
- Heavy-gauge 3 in. square tubing allows for direct weld mounting wherever the application allows – no burn through
- Use the painted outer tube as the final finish or primer
- Zinc-plated inner tube and drop leg
- Heavy-duty base, with reinforcement ribs, zero water retention
- Precision manufactured for long term reliability and smooth, easy cranking
- Grease zerk for easy lubrication as needed
- Oil-impregnated bushing for improved bearing and gear life
- Direct weld to outer tube is standard
- Sidewind models - 1:1.86 gear ratio

Travel and Clearance Diagram
A= Retracted
B= Extended
C= Clearance Height

ASABE

THE CHOICE WHEN APPLICATION REQUIRES COMPLIANCE WITH ASABE S485 STANDARDS

180304

180405

## 10K DIRECT WELD SQUARE JACKS

Part Number	Model Number	Description	Support Capacity (lbs.)	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)
180304 ◊	TWS 180 DL-BQ	Drop Leg with Heavy-Duty Base, Drop Leg Offers 10.12" Additional Adjustment	10,000	7,200	Topwind	10.00	18.18	38.31
180354	TWL 180 DL-BQ	Drop Leg with Heavy-Duty Base, Drop Leg Offers 13.50" Additional Adjustment	10,000	7,200	Topwind	15.00	22.93	51.43
180405	SWS 180 DL-BQ	Drop Leg with Heavy-Duty Base, Drop Leg Offers 10.12" Additional Adjustment	10,000	7,200	Sidewind	10.00	19.93	40.05
180455 ◊	SWL 180 DL-BQ	Drop Leg with Heavy-Duty Base, Drop Leg Offers 13.50" Additional Adjustment	10,000	7,200	Sidewind	15.00	25.67	54.17

10K SQUARE TUBULAR SWIVEL SQUARE JACKS

Part Number	Model Number	Description	Support Capacity (lbs.)	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
180587	SWL 180 FT-BTSXQ	Fixed Leg with Base, Square Mount Welded to Outer Tube, Includes Male Mating Mount, Pin and Chain	10,000	7,200	Sidewind	15.00	12.00	27.00	12.80

NOTE: Review price list or contact customer service for package quantities and full part number. Other custom-made designs are available upon request.
◊ DENOTES MOST POPULAR

182400

182524

182415
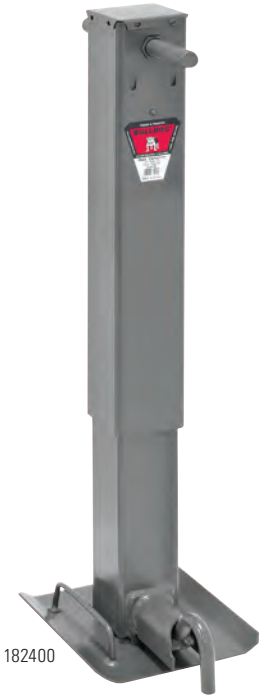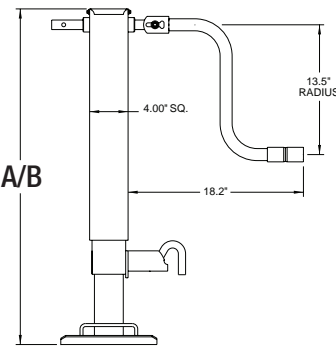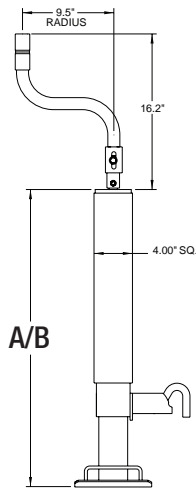
12K HEAVY DUTY SQUARE JACKS

Strong, durable, and sturdy, the BULLDOG® 12,000 lbs. support capacity square jack is the BIG reason why BULLDOG® has carried the load in agricultural, construction, heavy-duty utility, and horse/livestock trailer industries since 1923. All BULLDOG® 4 in. square jacks are rated for 12,000 lbs. support capacity and 10,000 lbs. lift capacity. The strength of the product, plus the wide variety of styles, makes this jack the best choice in its product class.

- 4 in. square tubing, 7-gauge superior alloy steel
- Painted outer tube, inner tube, and drop leg
- Drop leg option with 5 positioning holes
- Easy-access gear box with grease fitting for routine maintenance
- Spring return drop leg or non-spring return drop leg
- 12.5 in. screw travel, 13.5 in. of additional adjustment with drop leg
- Front facing drop leg plunger pin or side facing drop leg plunger pin
- Painted (with or without labels) or powder paint optional
- Sidewind models - 1:1.5 gear ratio
- Direct weld to outer tube is standard
- Sidewind models - 1:1.86 gear ratio
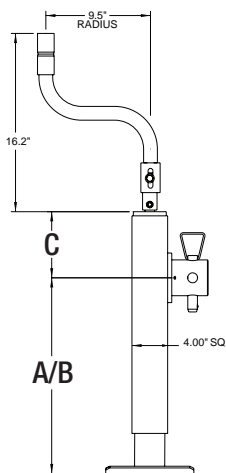
Travel and Clearance Diagram
A= Retracted
B= Extended
C= Clearance Height

12K

Pin to front tandem application
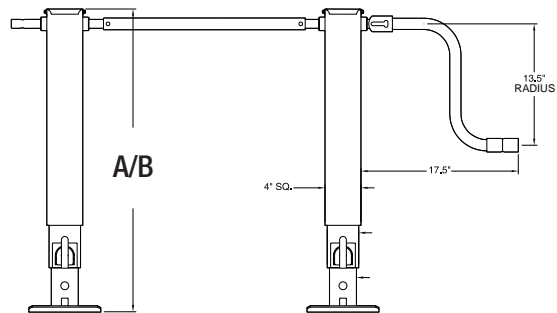
12K DIRECT WELD, SPRING RETURN HEAVY DUTY SQUARE JACKS

Part Number	Model Number	Description	Support Capacity (lbs.)	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
182800 ◊	SWQ 180 DL-B-SR	Drop Leg Jack with Standard Disc Foot, 13.5" of Additional Drop Leg Extension, Drop Leg Pull Pin to the SIDE, Crank Sold Separately	12,000	10,000	Sidewind	12.50	27.40	53.60	-
182804	SWQ 180 DL-BC-SR	Drop Leg Jack with Standard Disc Foot, 13.5" of Additional Drop Leg Extension, Drop Leg Pull Pin to the SIDE, Includes Crank	12,000	10,000	Sidewind	12.50	27.40	53.60	-
182805	SWQ 180 DL-BX RH	Drop Leg Jack with Standard Disc Foot, 13.5" of Additional Drop Leg Extension, Drop Leg Pull Pin to the SIDE, Crank Sold Separately Companion Jack to 182800, 182802, and 182804	12,000	10,000	Sidewind	12.50	27.40	53.50	-
182815 ◊	SWQ 180 DL-BX	Drop Leg Jack with Standard Disc Foot, 13.5" of Additional Drop Leg Extension, Drop Leg Pull Pin to the FRONT, Crank Sold Separately	12,000	10,000	Sidewind	12.50	28.60	54.60	-

12K DIRECT WELD, NON-SPRING RETURN HEAVY DUTY SQUARE JACKS

Part Number	Model Number	Description	Support Capacity (lbs.)	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
182300	TWQ 180 DL-B	Drop Leg Jack with Standard Disc Foot, 13.5" of Additional Drop Leg Extension, Crank Sold Separately	12,000	10,000	Topwind	12.50	23.40	49.40	-
182304 ◊	TWQ 180 DL-BC	Drop Leg Jack with Standard Disc Foot, 13.5" of Additional Drop Leg Extension, Crank Included	12,000	10,000	Topwind	12.50	23.40	49.40	-
182400 ◊	SWQ 180 DL-B	Drop Leg Jack with Standard Disc Foot, 13.5" of Additional Drop Leg Extension, Drop Leg Pull Pin to the SIDE, Crank Sold Separately	12,000	10,000	Sidewind	12.50	27.40	53.30	-
182404	SWQ 180 DL-BC	Drop Leg Jack with Standard Disc Foot, 13.5" of Additional Drop Leg Extension, Drop Leg Pull Pin to the SIDE, Crank Included	12,000	10,000	Sidewind	12.50	27.40	53.30	-
182411	SWQ 180 DL-B	Drop Leg Jack with Standard Disc Foot, 13.5" of Additional Drop Leg Extension, Drop Leg Pull Pin to the SIDE, Crank Sold Separately, Companion Jack to 182400 and 182404	12,000	10,000	Sidewind	12.50	27.40	53.50	-
182415 ◊	SWQ 180 DL-BX	Drop Leg Jack with Standard Disc Foot, 13.5" of Additional Drop Leg Extension, Drop Leg Pull Pin to the FRONT, Crank Sold Separately	12,000	10,000	Sidewind	12.50	28.60	54.60	-
182500	SWQ 180 FL-B	Fixed Leg Jack with Standard Disc Foot, Crank Sold Separately	12,000	10,000	Sidewind	12.50	27.00	39.50	-

12K TUBULAR SWIVEL, NON-SPRING RETURN HEAVY DUTY SQUARE JACK

Part Number	Model Number	Description	Support Capacity (lbs.)	Lift Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
182524	SWQ 180 TS-FL-BCX	Fixed Leg Jack with Standard Disc Foot, Includes Crank, 3.25" Diameter Tube Mount with Pin and Chain, Does Not Include Mating Mount, use 005122	12,000	10,000	Sidewind	12.50	17.00	29.60	10.10

12K SUPPORT CAPACITY JACK ACCESSORIES

| Part Number	Description
015181	Sidewind Crank Assembly with 13.50"Radius, Vertical Clevis, Mounting Hardware Included, Extends 17.50" from the Jack, Black Primed Finish
800102	Sidewind Crank Assembly with 13.50"Radius, Horizontal Clevis, Mounting Hardware Included, Extends 17.50" from the Jack, Black Primed Finish
800075	Topwind Crank Assembly with 9.50" Radius, Vertical Clevis, Mounting Hardware Included, Extends 15.50" from the Top of the Jack, Black Primed Finish
800090	Sidewind Crank Assembly with 13.50" Radius, Horizontal Clevis, Mounting Hardware Included, Extends 17.50" from the Jack, Black Primed Finish
701466	Removable Sidewind Crank with 13.5" Offset Radius, All Zinc-Plated Crank, Dual Handle Grips for Cranking and Shifting, For use with OEM Supplied Outboard Bushing or May be Attached Directly on Jack Gear box, Needs 012378 adapter with traditional Gear Box
CS730300	Cross Shaft Extension Tube 72.75" to Connect Jacks in Tandem Application
500312	Handle Clip

NOTE: Review price list or contact customer service for package quantities and full part number. Other custom-made designs are available upon request. ◊ DENOTES MOST POPULAR
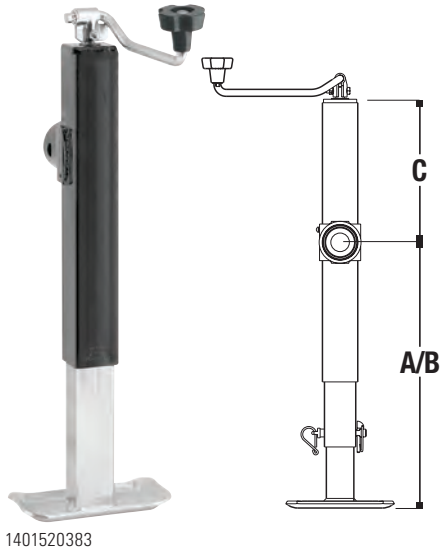
STANDARD ECONOMY SQUARE JACKS

- Square jack dramatically improves side load strength
- Drop leg and fixed leg models available
- Tubular swivel models include mating mount and pull pin
- Direct weld to outer tube is standard
- Sidewind models - 1:1.86 gear ratio

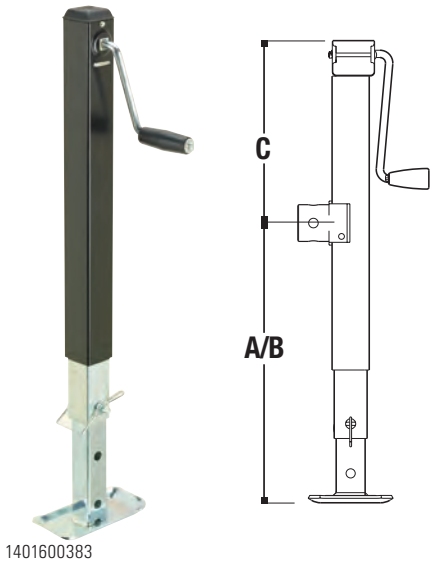1401520383

WELD-ON, TUBULAR SWIVEL SQUARE JACKS

- Black painted outer tube, clear zinc inner tube, fixed leg

Part Number	Support Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
1401520383†	5,000	Topwind	10.00	17.20	27.20	5.00
1401610383†	5,000	Sidewind	10.00	17.40	27.40	8.00
1400830383†	8,000	Topwind	10.00	17.20	27.20	5.00
1400860383	8,000	Sidewind	10.00	17.10	27.10	7.30

† = Available While Supplies Last.

DIRECT WELD SQUARE JACKS

- Black painted outer tube

Part Number	Description	Support Capacity (lbs.)	Handle Style	Travel (in.)	A Retracted (in.)	B Extended (in.)
1401500383†	Clear Zinc Inner Tube and 28" Travel with Drop Deg	5,000	Topwind	15.00	22.60	51.20
1401600383	Clear Zinc Inner Tube and 28" Travel with Drop Deg	5,000	Sidewind	15.00	25.80	54.40
1400800383	Black Painted Inner Tube and 28" Travel with Drop Leg	8,000	Topwind	15.00	22.90	51.50
1400850383	Black Painted Inner Tube and 28" Travel with Drop Leg	8,000	Sidewind	15.00	25.20	53.80
140094	Spring Return Drop Leg, 26" Travel with Drop Leg, Pin to Side, Crank Included, Black Painted Inner Tube and Drop Leg	12,000	Sidewind	12.50	27.25	53.25
1400950376	Spring Return Drop Leg, 26" Travel with Drop Leg, Pin to Side, Crank Included, Black Painted Inner Tube and Drop Leg	12,000	Sidewind	12.50	28.25	54.25
1400960376	Spring Return Drop Leg, 26" Travel with Drop Leg, Pin to Side, Crank Included, Black Painted Inner Tube and Drop Leg	12,000	Sidewind	12.50	28.25	54.25
1400980376	Non Spring Return Drop Leg, 26" Travel with Drop Leg, Pin to Side, Crank Included, Black Painted Inner Tube and Drop Leg	12,000	Sidewind	12.50	28.25	54.25
1400990376	Non Spring Return Drop Leg, 26" Travel with Drop Leg, Pin to Front, Black Painted Inner Tube and Drop Leg	12,000	Sidewind	12.50	28.25	54.25
1401010376	Non Spring Return Drop Leg, 26" Travel with Drop Leg, Pin to Side, Crank Included, Black Painted Inner Tube and Drop Leg	12,000	Sidewind	12.50	28.25	54.25
Accessory Part						
1400920383	12K Crank, Mounting Hardware and Clip, Black Painted Finish					

1401600383

Travel and Clearance Diagram
A= Retracted
B= Extended
C= Clearance Height

1400960376
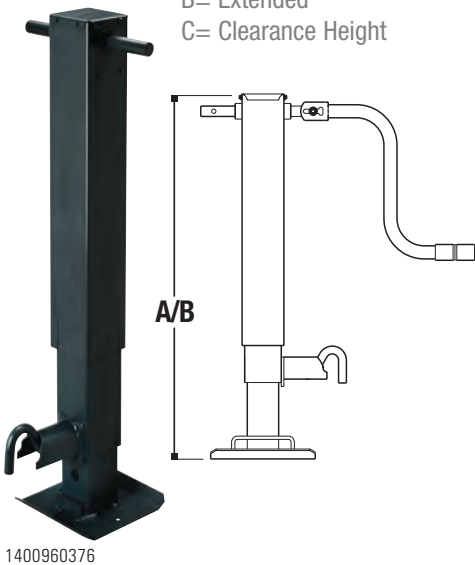
TWIN CAM™ DROP LEG JACK

The industry's strongest drop leg jack.

The BULLDOG® Twin Cam™ features a convenient, enclosed pin mechanism with "twin cam" action that will quickly make this heavy duty, drop leg jack the industry standard.

Twin Cam™ Drop Leg Mechanism:

- The BULLDOG® Twin Cam™ Drop Leg mechanism allows an increase in the vertical static capacity by using two 3/4 in. pins to transfer forces between the drop leg and inner tube of the jack
- The unique Twin Cam™ drop leg mechanism actuates the drop leg pins in both directions, giving the operator full control over engagement and disengagement of the drop leg pins
- The design does not rely on spring pressure alone to keep the pins in the locked position
- Patent pending
- The enclosed Twin Cam™ drop leg mechanism keeps dirt and debris from interfering with the engagement of the drop leg pins
- The Twin Cam™ drop leg mechanism maintains tighter alignment between the drop leg tube and inner tube by having engagement on both sides of the drop leg tube

Two-Speed Model (also includes):

- Convenient cranking ratios allow for fast operation under a wide range of loading conditions. Drop leg provides quick adjustment
- High speed cranking ratio of 9 turns per in. is convenient for loads up to 12,500 lbs.
- Low speed ratio of 29.5 turns per inch allows lifting loads up to 25,000 lbs.

182700
Non Spring Return

183750
Spring Return

Travel and Clearance Diagram
A= Retracted
B= Extended

Ø 1.0
4.0 SQ
A/B

Features:

- Easy access grease fittings allow for lubrication of internal jack gears and jack screw/nut
- Patented screw stop prevents screw and/or nut damage when the jack is fully extended, keeping the screw in good condition for maximum screw/nut cycle life
- Patented assembly design makes the gears, jack screw/nut, and other internal components easily serviceable 12.5 in. of screw travel
- Drop Leg features 5 positions with 13.5 in. of adjustment
- 10 in. x 10 in. heavy gauge steel foot plate
- Heavy duty 1 in. diameter steel input shaft
- Spring return and non-spring return drop legs available
- 10 in. x 10 in. heavy gauge steel foot plate
- Heavy duty 1 in. diameter steel input shaft
- Spring return and non-spring return drop legs available

Optional Accessory:

- Compatible with BULLDOG® Powered Drive electric motor system (reduces lift capacity to 7,500 lbs.)

Configurations	Part Number	Static Capacity (lbs.)	Lift Capacity (lbs.)
1 Single-Speed Jack	182700 or 182701	25,000	12,500
Pair of Single-Speed Jacks in Tandem	(2) 182700 or (2) 182701	50,000	12,500
1 Two-Speed Jack	183749 or 183750	25,000	25,000
Two-Speed and Single-Speed Jack in Tandem	182700 and 183749 or 182701 and 183750	50,000	45,000

Part Number	Description	Handle Style	Screw Travel (in.)	Drop Leg Travel (in.)	A Retracted (in.)	B Extended (in.)
182700	Twin Cam Drop Leg, Non Spring Return, Crank Sold Separately	Sidewind	12.50	13.50	27.50	53.50
182701	Twin Cam Drop Leg, Spring Return, Crank Sold Separately	Sidewind	12.50	13.50	28.50	54.50
183749	Twin Cam Drop Leg, Non Spring Return, Crank Sold Separately	Sidewind Two-Speed	12.50	13.50	28.50	54.50
183750	Twin Cam Drop Leg, Spring Return, Crank Sold Separately	Sidewind Two-Speed	12.50	13.50	29.50	55.50

183816

183902

A/B

A/B

Travel and
Clearance Diagram
A= Retracted
B= Extended
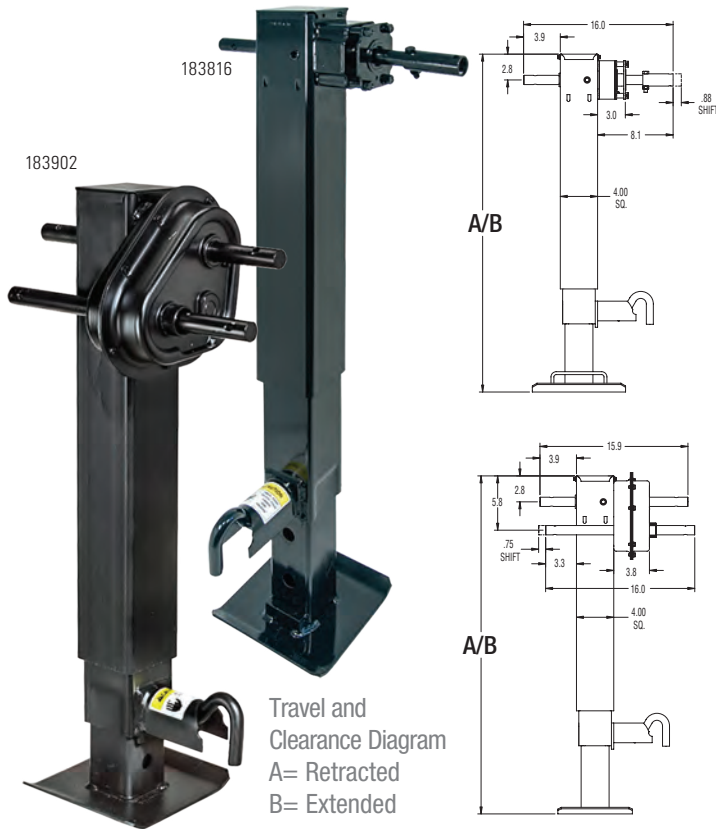
2-SPEED SQUARE JACKS
The First 2-Speed Gearbox
Designed with a Drop Leg Jack in Mind

The BULLDOG® 2-speed 12,000 lbs. support capacity square jack makes cranking easier when fully loaded and faster when unloaded. In low gear, the ratio delivers full lifting power at a super-smooth, easy-lifting 27 turns per 1 in. (planetary) and 29 turns per 1 in. (traditional) of travel. In high gear, the cranking ratio is a speedy 9 turns per 1 in. of travel, the fastest in its weight class.

- State of the art 2 speed gearbox with power and speed for the most effective and efficient jack at all loads
- Designed for today's standard agricultural, construction and industrial trailer applications.
- User friendly design makes operation smooth and easy
- Engineered alloys for enhanced strength, stability and side load capability
- Planetary gearbox fits within the width profile of the jack's outer tube, eliminating the need for spacers
- Painted outer tube, inner tube, and drop leg.
- Crank sold separately

Part Number	Model Number	Description	Support Capacity (lbs.)	Lift Capacity (lbs.)	Gearbox Style	Travel (in.)	A Retracted (in.)	B Extended (in.)	Companion
Non-Spring Return									
183401	SWQ 183 DL-BX	2-Speed, Drop Leg with Standard Disc Foot, 13.50" Additional Drop Leg Extension, Drop Leg Pull Pin to the SIDE	12,000	10,000	Planetary	12.50	28.50	54.60	182411
183416	SWQ 183 DL-BX	2-Speed, Drop Leg with Standard Disc Foot, 13.50" Additional Drop Leg Extension, Drop Leg Pull Pin to the FRONT	12,000	10,000	Planetary	12.50	29.50	55.60	182415
183900†	SWQ 180 DL-B	2-Speed, Drop Leg with Standard Disc Foot, 13.50" Additional Drop Leg Extension, Drop Leg Pull Pin to the SIDE	12,000	10,000	Traditional	12.50	28.50	54.60	182411
183901	SWQ 180 DL-BX T	2-Speed, Drop Leg with Standard Disc Foot, 13.50" Additional Drop Leg Extension, Drop Leg Pull Pin to the FRONT	12,000	10,000	Traditional	12.50	29.50	55.60	182415
Spring Return									
183816	SWQ 183 DL-BX w/SR	2-Speed, Drop Leg with Standard Disc Foot, 13.50" Additional Drop Leg Extension, Drop Leg Pull Pin to the FRONT	12,000	10,000	Planetary	12.50	29.50	55.60	182815
183902	SWQ 180 DL-B w/SR T	2-Speed, Drop Leg with Standard Disc Foot, 13.50" Additional Drop Leg Extension, Drop Leg Pull Pin to the SIDE	12,000	10,000	Traditional	12.50	28.50	54.60	182805
183903	SWQ 180 DL-BX w/SR T	2-Speed, Drop Leg with Standard Disc Foot, 13.50" Additional Drop Leg Extension, Drop Leg Pull Pin to the FRONT	12,000	10,000	Traditional	12.50	29.50	55.60	182815
Replacement Parts									
500285	Planetary 2-Speed Sun Gear Kit								
500295	Traditional 2-Speed Gear Kit								
500330	Planetary Gearbox Kit								

† = Available While Supplies Last.

1824200100

POWERED DRIVE KITS
- Designed for use with BULLDOG® 12,000 lbs. and Twin Cam™ jacks
- Lifts 50% more than competition
   - Lifts 3 in. per minute at typical working loads
   - Can be manually cranked in the event of power loss
- State of the art 12VDC electric motor
   - Quiet operation - 50% quieter than competitive units
   - Efficient use of electrical power - 60% more efficient than competitive units
   - Permanently lubricated to provide years of maintenance free use
- Custom designed wiring harness and rocker switch enclosed in a weather proof box
   - Utilizes a 25 amp circuit breaker with push button reset feature
- Can be used in both single and tandem jack applications Kit includes all necessary components for ease of installation
   - Powered drive assembly
   - Torque stop tube with energy absorption device
   - Terminal box, wiring harness and switch box
   - Hex coupling (not shown, required when using in a tandem jack application)
   - Weather resistant cover (not shown)

1824200100

12K

Part Number	Description	Lift Capacity (lbs.)
1824200100	Electric Powered Kit	7,250
1824180100	Electric Powered Kit, Only Compatible with 2-Speed Square BULLDOG Planetary Jacks	7,250
Replacement Parts		
500370	Powered Single Speed Drive Motor for 1824200100 Only	

NOTE: Contact Price List or Customer Service for package quantities and full part number.

1824180100

500370
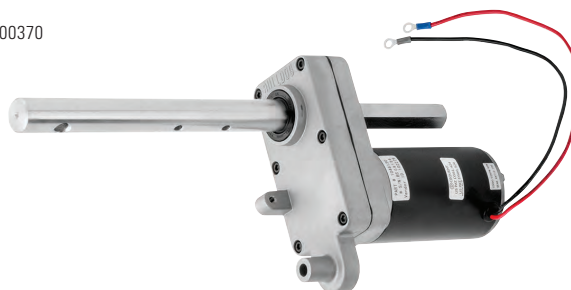
TOUGH & TRUSTED PERFORMANCE

POWERED 12,000 lbs.
HIGH-SPEED JACK

THE VELOCITY ADVANTAGE OVER HYDRAULICS:

MORE POWERFUL
Speed and performance

EASIER TO INSTALL
Mounts in minutes

NO MESS
No oil, hoses, pump, or welding

FASTER
Even in cold temperatures

VERSATILE
OEM, Aftermarket, Industrial, Horse and Livestock, and RV Applications

VELOCITY SERIES™

VELOCITY SERIES™ HIGH SPEED JACKS

- Fast, Powerful, Easy to Install
- OEM and Aftermarket Industrial, Horse and Livestock, and RV Applications
- Mounts without welding and requires no hydraulic oil, hoses, or pumps
- Fully Powered – 12,000 lbs. capacity per leg with Proprietary high-speed system
- 24 in. total travel
- Approximate travel speed and current draw
  - 31 in. per minute at no load, 15 amps
  - 30 in. per minute at 4,000 lbs., 40 amps
  - 26 in. per minute at 8,000 lbs., 65 amps
  - 21 in. per minute at 12,000 lbs., 100 amps
- Includes wired remote
- Resists corrosion with premium powder coat finish
- Optional wireless controller available (P/N 500527)
- Manual override in case of power loss
- 5-year limited warranty

5 YEAR LIMITED WARRANTY

185400
185402

12K

Part Number	Description	Lift Capacity (lbs.)
185400	Velocity Series High Speed Jack (Includes Single Remote)	12,000
185402	Velocity Series High Speed Jack (Less Remote)	12,000
Replacement Parts		
500374	Foot Plate for Velocity Series Jack	
500375	Cover Kit for Velocity Series Jack	
500376	Contactor Kit for Velocity Series Jack	
Accessories		
500527	Wireless Controller, 3-Pin	
500372	Velocity Series High Speed Jack Single Remote	
500379	Velocity Series High Speed Jack Tandem Switch	
500380	Velocity Series High Speed Jack 3-Pin Connector	
500382	Velocity Series High Speed Jack Single Switch	
500386	Velocity Series High Speed Jack Single Remote	
500389	Velocity Series High Speed Jack Adapter Kit	

500527

Wireless Controller, 3-Pin

500386

Single Remote

500379

Tandem Switch

BULLDOG®

HEAVY DUTY 2-SPEED TANDEM LANDING GEAR

- AAR and TTMA rated (all values per pair): 45,000 lbs. lifting capacity (@ 100 ft. lbs. input torque), 90,000 lbs. static capacity
- Competitive Cranking ratios: Low speed gear 27.3 turns per in., High speed gear 4.5 turns per in.
- High efficiency, double lead screw
- Heavy duty, self-leveling sand shoe
- Crank included – cross shaft sold separately
- Black painted finish
- Ideal for horse, livestock and heavy duty trailers
- 5-year limited warranty

5 YEAR LIMITED WARRANTY

90K

Standard TTMA Mount, Mounted to Inside of Frame

Heavy Duty Leg Ban for Added Strength

Part Number	Description	Tandem Capacity (lbs.)	Lift Capacity (lbs.)	Travel (in.)	A Retracted (in.)	B Extended (in.)
500153	Tandem Non-Drop Leg Landing Gear - Set includes Direct Weld 2-Speed and Single Speed Jacks and Crank, Cross Shaft not included	90,000	45,000	17.00	31.70	48.70
500154	Tandem Non-Drop Leg Landing Gear - Set includes TTMA Bolt-On Mount 2-Speed and Single Speed Jacks and Crank, Cross Shaft not included	90,000	45,000	17.00	31.70	48.70
1839050383 †	2-Speed Jack, Direct Weld, Crank sold separately	90,000	45,000	17.00	31.70	48.70
1839060383	2-Speed Jack, TTMA Bolt-On Mount, Crank sold separately	90,000	45,000	17.00	31.70	48.70
1823050383	Single Speed Jack, Direct Weld, Crank sold separately	90,000	45,000	17.00	31.70	48.70
1823060383	Single Speed Jack, TTMA Bolt-On Mount, Crank sold separately	90,000	45,000	17.00	31.70	48.70
Accessories						
8001090283	Crank, Mounting Hardware Included					
CS730300	72.75" Cross Shaft, Slotted Ends, Hardware Included					
500293	Tandem Landing Gear Jack 90K Gear Assembly, Includes: (1) Screw and Nut Assembly, (2) Retaining Pins, (1) Washer, (1) Bearing Bushing and (1) Thrust Bearing					
500294	Tandem Landing Gear Jack 90K Gear Assembly, Includes: (1) Grooved Pin, (1) Spring, (1) Chrome Steel Ball, (1) Spur Gear 32T, (1) Intermediate Spur Gear 32T/13T, (1) Input Spur Gear 32T/13T, (1) Woodruf Key and (1) 2-Speed Gearbox Gasket					
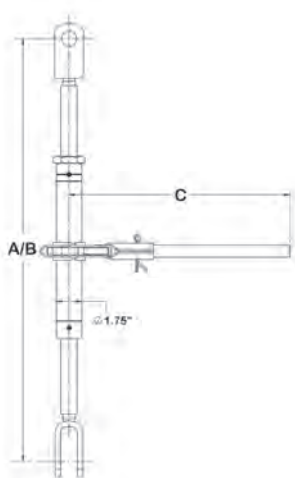
† = Available While Supplies Last.

RATCHET JACKS

BULLDOG® ratchet jacks are versatile tools for load bearing and lifting, height adjustment, three point hitch elevation, implement leveling, and wheel extension and retraction.

- 3/8 in. U-brackets tested to the endurance limit by a major OEM
- Stainless steel flat ratchet spring tested to 20 times the competition's life
- Reinforced steel assembly housing with user-friendly pawl
- Corrosion-resistant surfaces
- 2 zerk fittings, hexagonal jam nut
- Yellow zinc dichromate-plated 7 in. or 12 in. handle and cotter pin
- 1-1/8 in. - 5 yellow zinc dichromate-plated Acme screws

16K

Travel and Clearance Diagram
A= Retracted B= Extended
C= Clearance Height

690020

690020 - U-Bracket

Part Number	Description	Pull Capacity (lbs.)	Push Capacity (lbs.)	A Retracted (in.)	B Extended (in.)	C Clearance (in.)
690020	Ratchet Jack, U-Bracket Clevis Ends with 1" Holes, Pins and Clips Included, 12" Handle, Ratchet Mechanism is Centered	16,000	10,000	20.00	28.00	15.10
690071	Ratchet Jack, U-Bracket Clevis Ends with 1" Holes, Pins and Clips Included, 12" Handle, Ratchet Mechanism Offset 3" to Right Side	16,000	10,000	20.00	28.00	15.10

FARM JACKS

- Long handle for ease of use
- Removable handle and clamp

Part Number	Description	Capacity (lbs.)	Height (in.)	Travel (in.)	Finish
7060900	Farm Jack with Handle Holder	8,000	54.00	48.00	Red/Black
7033400	Farm Jack	7,000	48.00	42.00	Red/Black
7064200	Farm Jack	7,000	36.00	30.00	Red/Black
Accessories					
7071300	ATV/UTV Universal Jack Mount Kit				
7086500	Farm Jack Truck Box Mount Kit, Horizontal or Vertical Mount				
7048400	Farm Jack Foot Plate, 10" x 10", 8,000 lbs. Capacity				
7061520	Farm Jack Handle Holder, Durable PVC, Eliminates Rattle				
7088900	Farm Jack Carry Handle				
7064120	Farm Jack Maintenance Kit, Includes (2) Climbing Pins, (2) Climbing Pin Springs, (2) Cross Pins and (1) Handle Pin and Clip				

7060900   7033400   7064200

BULLDOG®

161300

162300

RACK / GEAR JACKS
750 lbs. A-Frame and Bolt-On
BULLDOG® experience and engineering know-how have produced a line of rack and gear jacks that are tough and trusted, the most preferred jacks used by trailer manufacturers in a variety of industries.
- Smooth-cranking 4 turns per in. of travel
- All-welded steel gear box with proven reliability for long term use at rated load
- Gray primer-painted steel wheel and gear box with weather-resistant clear zinc-plated rack post
- Custom designs available

1,200 lbs. Heavy-Duty
These heavy-duty rack jacks exemplify the BULLDOG® reputation for strength, providing additional lift capacity to a full 1,200 lbs. Specially designed and manufactured to BULLDOG® unparalleled standards, they are ideal for heavier trailers and greater tongue weights.
- Powerful heavy-duty gear box with special steel alloy helical gear for extra lift capacity
- Extra heavy-duty gauge post for maximum side load strength
- Specially designed gusseted caster bracket for increased stability
- Superior extension capabilities (up to 26.5 in. on the HD165WX model)
- Red oxide primer-painted steel wheel and gear box with weather-resistant yellow zinc-plated rack post

RACK / GEAR JACK MOUNTING OPTIONS
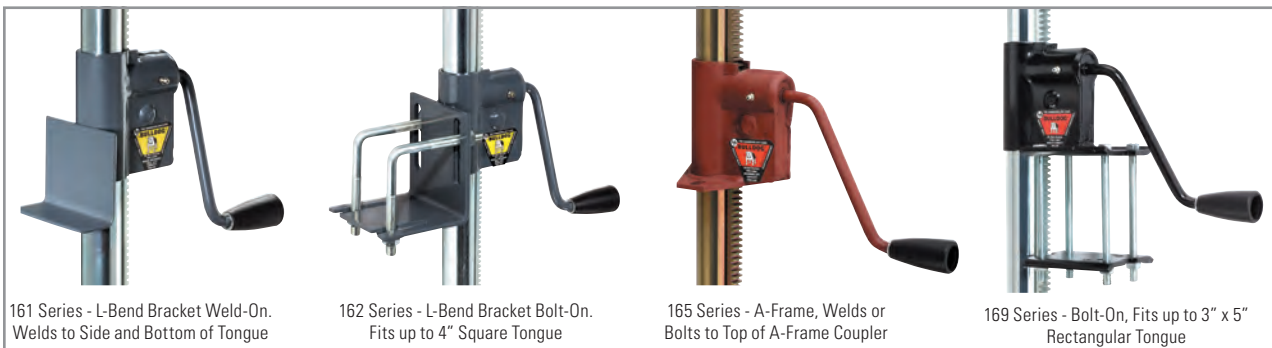
161 Series - L-Bend Bracket Weld-On. Welds to Side and Bottom of Tongue

162 Series - L-Bend Bracket Bolt-On. Fits up to 4" Square Tongue

165 Series - A-Frame, Welds or Bolts to Top of A-Frame Coupler

169 Series - Bolt-On, Fits up to 3" x 5" Rectangular Tongue

RACK / GEAR JACK WHEEL AND FOOT MOUNTING OPTIONS

Caster Wheels - "R" Models. Polyolefin Wheel, 750 lbs. Capacity

Steel Wheel - "W" Models. 750 lbs. Capacity, 1,200 lbs. Capacity (Heavy Duty)

Disc Foot - "D" Models. Welded to Jack Post, 750 lbs. Capacity

*Gear boxes and rack post also sold separately. ◊ DENOTES MOST POPULAR
NOTE: Contact Price List or Customer Service for package quantities and full part number. Other custom-made designs are available upon request.

165412

169201

Travel and Clearance Diagram
A= Retracted
B= Extended
C= Clearance Height

A-FRAME, 165 SERIES STANDARD RACK / GEAR JACKS

| Part Number | Model Number | Description | Lift Capacity (lbs.) | Includes | | Travel (in.) | A Retracted (in.) | B Extended (in.) | C Clearance (in.) |
				*Gear Box	*Rack Post				
165111 ◊	165 D	A-Frame Weld-On/Bolt-On Bracket, with Disc Foot	750	0181550317	0185200301	16.00	3.50	19.50	20.20
165211	165 R	A-Frame Weld-On/Bolt-On Bracket, with Polyolefin Wheel	750	0181550317	0180070301	16.00	7.50	23.50	20.30
165311 ◊	165 W	A-Frame Weld-On/Bolt-On Bracket, with Steel Wheel	750	0181550317	0180060301	16.00	7.50	23.50	20.30
165411 ◊	HD 165 W	Heavy-Duty A-Frame Weld-On/Bolt-On Bracket, with Heavy-Duty 21" Long 1,200 lbs. Rack and Post, with Steel Wheel	1,200	0191410310	0190600324	16.00	7.50	23.50	20.30
165412	HD 165 WX	Heavy-Duty A-Frame Weld-On/Bolt-On Bracket, with Heavy-Duty 21" Long 1,200 lbs. Rack and Post, with Steel Wheel	1,200	0191410310	0190600324	19.00	7.50	26.50	23.30

RECTANGULAR, BOLT-ON 169 SERIES STANDARD RACK / GEAR JACKS

| Part Number | Model Number | Description | Lift Capacity (lbs.) | Includes | | Travel | A Retracted | B Extended | C Clearance |
				Gear Box	Rack Post				
169201 ◊	169 RB	Bolt-On Mount, Fits up to 3" x 5" Tongue, with Mounting Kit and Polyolefin Wheel, Black Finish	750	0181910378	0183080301	16.00	7.50	23.50	20.30

L-BEND, BOLT-ON, 162 SERIES STANDARD RACK / GEAR JACKS

| Part Number | Model Number | Description | Lift Capacity (lbs.) | Includes | | Travel | A Retracted | B Extended | C Clearance |
				Gear Box	Rack Post				
162300 ◊	162 W	Bolt-On L-Bend Bracket, with Steel Wheel	750	019032	0180060301	16.00	6.00	22.00	21.80

L-BEND, WELD-ON, 161 SERIES STANDARD RACK / GEAR JACKS

| Part Number | Model Number | Description | Lift Capacity (lbs.) | Includes | | Travel | A Retracted | B Extended | C Clearance |
				*Gear Box	*Rack Post				
161300 ◊	162 W	Weld-On L-Bend Bracket, with Steel Wheel	750	0181610317	0180060301	16.00	6.50	22.50	21.20

TRAILER JACKS

BULLDOG®

GEAR BOXES

Part Number	Description	Packaging
0181550317	165 Gear Box, A-Frame, Weld-On/Bolt-On Bracket, Long Side Crank for 160 Series	Bulk
0191410310	165 Gear Box, A-Frame, Weld-On/Bolt-On Bracket, Heavy Duty Long Side Crank for 165 Series	Bulk
0181910378	169 Gear Box, Rectangular, Bolt-On Bracket for 169 Series	Bulk
0181610317	161 Gear Box, Weld-On L-Bend Bracket, Tight 90 Degree Side Crank for 160 Series	Bulk
019032	162 Gear Box, Weld-On L-Bend Bracket for 162 Series	Bulk
0181590317	160 Gear Box, No Mounting Plate, 165 Series Crank	Bulk
0181620317	162 Gear Box, Bolt-On L-Bend Bracket	Bulk
0181640317	164 Gear Box, Stub Shaft, No Crank	Bulk
0181670317	161S Gear Box, Weld-On L-Bend Retaining Ring Bracket Assembled for 160 Series	Bulk
0181710317	160X Gear Box, No Bracket, Swivel Crank for 160 Series	Bulk
0181770317	167 Gear Box, Weld-On Bracket for Round Tubing or Pipe, Long Side Crank for 160 Series	Bulk
0181890378	169 Gear Box, Mounting Bracket Kit Included, Black	Bulk

0191410310

0181640317

0181550314

RACK POSTS

Part Number	Description	Packaging
0180070301	21" Post, 18" Rack with Poly Wheel for 160 Series	Bulk
0180060301	21" Post, 18" Rack with Steel Wheel for 160 Series	Bulk
0190600324	21" Post, 18" Rack, Heavy Duty, with Steel Wheel for 160 Series	Bulk
0183080301	21" Post, 18" Rack with Poly Wheel for 160 Series	Bulk
0185100301	23.5" Post, 18" Rack, No Wheel, No Foot for 160 Series	Bulk
0185200301	23.5" Post, 18" Rack with Disc Foot for 160 Series	Bulk
0180340301	34" Post, 30" Rack with Extra Long Steel Wheel for 160 Series	Bulk
0185400301	34" Post, 30" Rack, With Extra Long Disc Foot for 160 Series	Bulk

0185100301

0180060301

CE555 0101

018507

BULLDOG® ACCESSORY WHEELS

Part Number	Description	Packaging
Poly Wheels		
CE555 0301	6" Caster with 2" Inside Diameter Fitting for 2" Jack Tube, 1,200 lbs. Rated	Bulk
0917501S00	6" Poly Wheel Only - 750 - 1,200 lbs. Rated	Bulk
500245	6" Caster with Pin 2" Inside Diameter Fitting for 2" Jack Tube, 1,200 lbs. Rated	Clam
Steel Wheels (Reduces Rated Capacities of any Jack)		
500282	Steel Wheel Kit	
018507	Caster Assembly with 6" Steel Wheel for 155159 and 155300, 1,000 lbs. Rated	Poly Bag

SPBQ500300

500326

CW5550301

BULLDOG® SERVICE PARTS AND ACCESSORIES

Part Number	Description	Packaging
CA5550301	Caster Adapter Plate	Bulk
0031350300	A-Frame Support Plate, Forged Coupler	Bulk
SPAQ500300	A-Frame Support Plate with 2.25" Square Hole	Bulk
SPB50 0300	Bottom Support Plate with 2.29" Diameter Hole, Cast and Stamped Couplers	Bulk
SPBQ500300	Bottom Support Plate with 2.3" Square Hole	Bulk
500326	2K Sidewind Jack Cap	Bulk
015500	Sidewind Jack Cap	Bulk

FP2000 0301

500244

F2000 0101

REMOVABLE FOOTPLATES

Part Number	Description	Packaging
0185640301	Removable Footplate with Pin. 2.1" Tall, Fits 2" Inner Tube, 2,000 - 5,000 lbs. Rated	Bulk
0181730324	Removable Footplate 6.2"	Bulk
018098	Removable Footplate with Pin. 6.2" Tall, Fits 2" Inner Tube, 2,000 - 5,000 lbs. Rated	Bulk
FP20000201	Foot with Hardware (Bolt Goes Trough 2" Jack Tube Holes), 2,000 lbs. Rated	Bulk
500244	Removable Footplate with Pin, Fits Jacks with 2" Inner Tube, (2.1" Tall)	Clam
F3500 0324	Removable Footplate with Pin, Fits Jacks with 2" SQUARE Inner Tube, (4.0" Tall)	Bulk
F2000 0301	Footpad for 2,000 - 5,000 lbs. Jacks	Bulk

TRAILER JACKS

BULLDOG®

A-34

SJ1 0300

SJL8 0300

SJ4 0324

Range Diagram
A= Range

STABILIZERS

Square tube stabilizers are fabricated from high strength, structural steel tubing, and are yellow zinc-plated for excellent corrosion-resistance. Common applications include cargo trailers, industrial implements, and equipment outriggers.
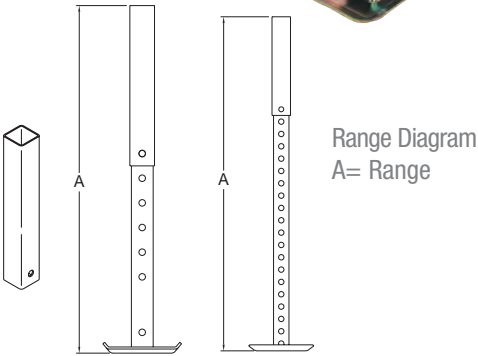
Part Number	Description	Static Capacity (lbs.)	A Range Adjustment (in.)	Overall Length Dimension (in.)	Packaging
Stabilizer Kit					
SJL8 0300	Assembly Drop Leg and 1-1/2" Outer Tube, Includes Pin	2,000	8.00 to 27.00	20.00 Leg 8.00 Outer	Bulk
Stabilizer Tube and Drop Legs					
SJ1 0300	2" Square Outer Tube, Oil Finish, Pin Not Included	3,000	-	13.00	Bulk
SJ2 0324	Square Drop Leg with Adjustment Holes, Pin Not Included	3,000	25.00 to 37.00	28.75	Bulk
SJ3 0300	1-1/2" Square Outer Tube, Yellow Zinc Plated	3,000	-	8.00	Bulk
SJ4 0324	Square Drop Leg with Adjustment Holes, Pin Not Included	3,000	18.00 to 28.00	20.00	Bulk
SJ5 0324	Square Drop Leg with Adjustment Holes, Pin Not Included	3,000	-	-	Bulk
Stabilizer Drop Leg					
SJW 0324†	Square Drop Leg with Adjustment Holes, Foot at 30 Degree Angle to Tube. NOTE: Will Not Work with SJ1 0300 Tube	3,000	up to 24.00	30.50	Bulk
Stabilizer Lynch Pin					
LP516 0201	Service Kit, Pin 5/16" Diameter x 1-3/4" Long Lynch	-	-	-	Bulk

† = Available while supplies last.

DROP LEGS

Part Number	Description	Packaging
DF35000324	For Square Jack, 1.71" Square Tube, Pin Included, 3,000 - 5,000 lbs. Rated	Bulk
500190	For Most 2,000 lbs. BULLDOG Round Jacks and BULLDOG Powered A-Frame Jacks, Pin Included, 5,000 lbs. Rated, Will Not Work with Pro Series Round Jacks and BULLDOG Round Jacks with Heavy Wall Inner Tubes	Ind. Box
500270	For Square Jack, 2.0" Square Tube, Pin Included, 8,000 lbs. Rated	Poly Bag
500329	Drop Leg and Pin	Bulk
500340	Replacement Part, Drop Leg Pull Pin Assembly, 7/8" x 2.25"	Bulk
500377	Drop Leg and Pin	Bulk

DF35000324

500377

500190

TUBE MOUNTS

500239

P9222-00

500315

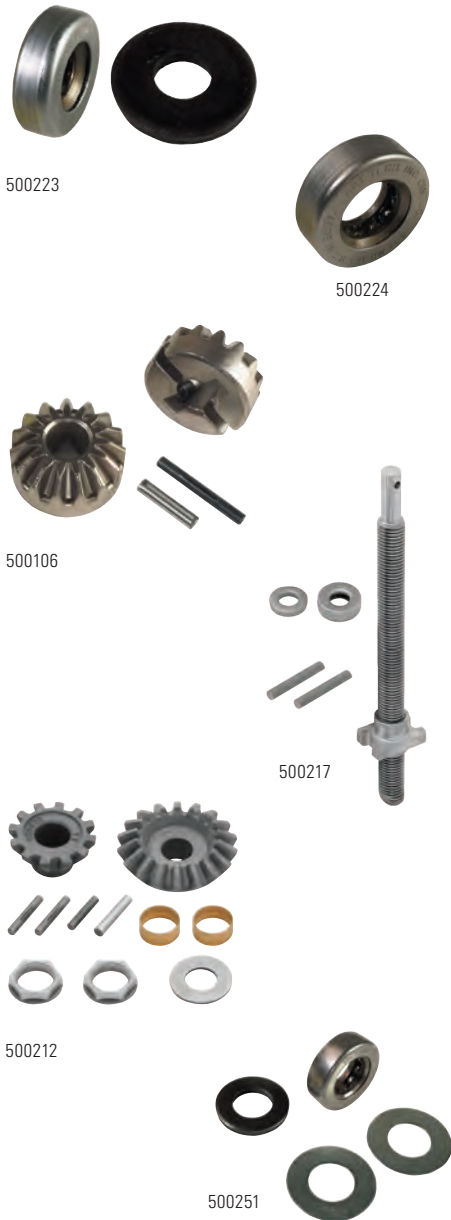| Part Number	Description	Packaging
Mounts		
500239	Male, Weld-On, For 9/16" Pin, 5,000 lbs. - Topwind Only, 150 Series, Topwind 170 Series	Clam
500238	Female, Weld-On, For 5/8" Pin. 3" O.D.	Clam
500240	Male, Weld-On, For 5/8" Pin. 2" O.D	Clam
0031550300	Female, Weld-On, 3/4" Pin for 190 Series	Bulk
0050050300	Male, Weld-On, 9/16" Pin	Bulk
0152710300	Female, Weld-On, 9/16" Pin, 2.5" O.D.	Bulk
0152730300	Male, Weld-On, 9/16" Pin for 150 Series and 170 Series	Bulk
0152790300	Male, Weld-On, 5/8" Pin, 2" O.D. for 170 Series	Bulk
7011800300	Male, Weld-On, 3/4" Pin for 190 Series	Bulk
005122	Female, Weld-On, 7/8" Pin for #182524 and #182374	Bulk
PQM19-00	Male, Weld-On, 5/8" Pin, 2.5" O.D.	Bulk
Retaining Ring Mounting Brackets		
P9222-00	Weld-On, Swivel Bracket, 1/2" Pin - 2,000 - 5,000 lbs. Rated	Bulk
P20520-00	Weld-On, Flat, Retaining Ring Swivel Plate for 3/8" Plunger Pin	Bulk
Swivel Trailer Mounts		
500339	Round Tube Male Weld-On U-Bracket for 5/8" Pull Pin	Poly Bag
500315	Weld-On, Swivel Trailer Mount, 5/8" Pin for 150 Series, 170 Series and 190 Series	Bulk

PINS

500103

500177

500178

500337

500232

500219
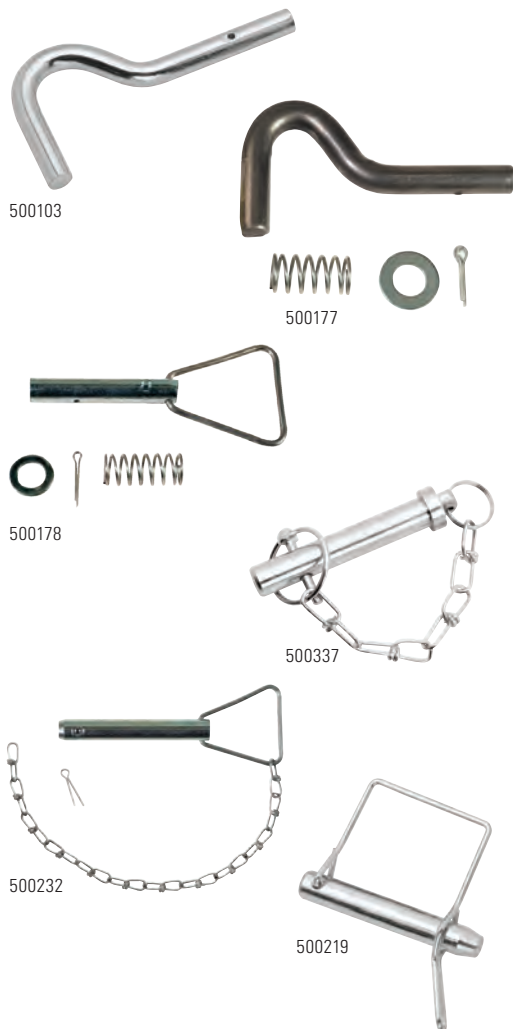
Part Number	Description	Packaging
Pins		
500103	3/8" Plunger Pin Assembly, BULLDOG Only	Poly Bag
500310	3/4" Pull Pin (4.75" Long) with Chain without Drive Screw - 7,000 lbs.	Poly Bag
500341	Replacement Part, 7/8" Pin and Chain without Drive Screw	Poly Bag
Pin Kits		
500177	3/4" Drop Leg Plunger Pin Kit, 180 Series	Clam
500178	1/2" Plunger Pin Assembly Kit, 150 Series, 160 Series and 170 Series	Clam
500231	5/8" Pull Pin 3.5" Long with Chain and Drive Screw. 5,000 lbs. - Sidewind Only, Sidewind 170 Series, Crown 2,000/3,000/5,000 lbs.	Clam
500232	5/8" Pull Pin, 4.25" Long with Chain and Cotter Pin, 190 Series, Crown 7,000 lbs.	Clam
500243	9/16" Pull Pin 3.5" Long with Chain and Drive Screw, 5,000 lbs. - Topwind Only, 150 Series and Topwind 170 Series	Clam
Drop Leg Pins		
500337	Replacement Part, Drop Leg Pull Pin Assembly, 3/4" x 3"	Poly Bag
500338	Replacement Part, Drop Leg Pull Pin Assembly, 9/16" x 2.75"	Poly Bag
500340	Replacement Part, Drop Leg Pull Pin Assembly, 7/8" x 2.25"	Bulk
0252010201	5/16" Snapper Pin, with Chain	Bulk
Lynch Pin Kit		
500219	Lynch Pin Kit, 0.563" Diameter	Poly Bag

BULLDOG®

500223

500224

500106

500217

500212

500251

ASSEMBLY KITS

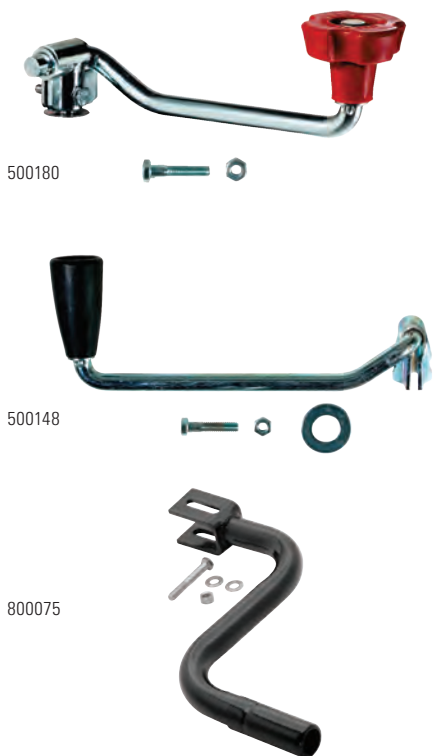| Part Number	Description	Packaging
Bearing Kits		
500251	Bearing Kit for 2,000 lbs. Capacity Models, 150 Series	Clam
500223	Thrust Bearing for 5,000 lbs. Capacity Models, 170 Series, Crown 5,000 lbs.	Clam
500224	Thrust Bearing for 8,000 lbs. Capacity Models, 190 Series, Crown 7,000 lbs.	Clam
Gear Kits		
500106	Sidewind Gear Kit for up to and Including 5,000 lbs. Capacity Models, 139 Series and 159 Series and 170 Series, Crown 2,000/3,000/5,000 lbs.	Clam
500156	Sidewind Gear Kit for 8,000 lbs. Capacity Models, 190 Series, Crown 7,000 lbs. with 1/2" Inside Bottom Gear	Clam
5002581360	Sidewind Gear Kit, 190 Series, Crown 7,000 lbs. with 5/8" I.D. Bottom Gear	Poly Bag
800144	Service Kit Containing the Sidewind Crank 10.50", Bearing, Gears, Pins and Bushings for 10,000 lbs. Capacity 180 Series Sidewind Jacks	Poly Bag
500285	Sun Gear and Stub Shaft Assembly and Bushings for 12,000 lbs. Capacity Two Speed Planetary Gear Box	Poly Bag
500212	Gear Kit Including, Pins and Bushing — 12,000 lbs.	Poly Bag
Retaining Ring Kits		
500241	Swivel Retaining Ring, Fits Most Jack Capacities, 150 Series, 160 Series and 170 Series	Clam
Assembly Kit		
500217	Screw and Nut Assembly, Bearing, Support Washer and Retaining Pins for 12,000 lbs. Capacity BULLDOG Sidewind Jacks	Poly Bag
500250	Screw and Nut Assembly, Bearing, Support Washer and Retaining Pins for 12,000 lbs. Capacity BULLDOG Topwind Jacks	Poly Bag
Gear Box Cover		
500205	Gear Box Cover for 3,000 - 8,000 lbs. Capacity Sidewind Jacks, Includes Hardware	Poly Bag

500248

KNOBS

| Part Number	Description	Packaging
500248	Black Knob, Tear Drop, 139 Series, 159 Series, Sidewind 170 Series and 190 Series, Crown, 2,000 - 5,000 lbs.	Clam
500246	Red Knob, BULLDOG 150 Series, 160 Series and Topwind 170 Series, 2,000 - 5,000 lbs.	Clam

500246

SIDEWIND CRANKS

500256

500105

500171
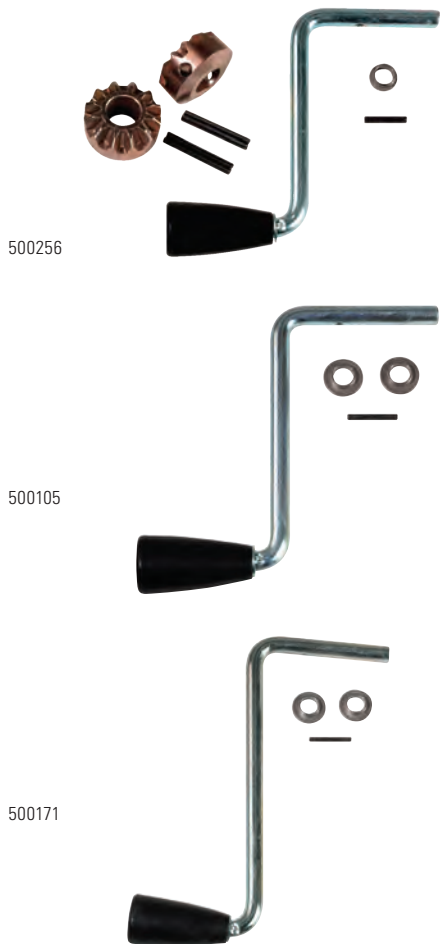
Part Number	Description	Packaging
500256	Sidewind Crank with 5.80" Radius Assembly and Gear Kit, 150 Series with Plastic Cap, 2,000 lbs.	Clam
500105	Sidewind Crank with 6.50" Radius Assembly with Black Knob, 139 Series, 159 Series and 170 Series, Crown 2,000/3,000/5,000 lbs.	Clam
500171	Sidewind Crank with 8.50" Radius Assembly with Black Knob, 190 Series Square Jacks, Crown 7,000/8,000 lbs.	Clam
015181	Sidewind Crank, Vertical Clevis with 13.50" Radius, Black Primed Finish, Hardware Included	Bulk
800102	Sidewind Crank Assembly with 13.50" radius, Mounting Hardware Not Included, Extends 17.50" from the Jack, Black Primed Finish, Horizontal Clevis, Sidewind Handle	Bulk
701466	Removable Sidewind Crank with 13.5" Offset Radius, All Zinc-Plated Crank, Dual Handle Grips for Cranking and Shifting, For use with OEM Supplied Outboard Bushing or may be Attached Directly on Jack Gearbox	Bulk
800090	Sidewind Crank, Horizontal Clevis with 13.50" Radius, Black Primed Finish, Hardware Included	Bulk
8001090283	Sidewind Crank Assembly with 13.50" Radius, Mounting Hardware Included, Extends 20" from the Jack, Black Prime Finish, Vertical Clevis	Bulk
500312	Handle Clip	Bulk
800148	Sidewind Crank, 13.5" Radius with Soft Touch Handle Grip for 12,000 lbs. Jacks with 13/16" Hex Socket	Bulk
HDDS 0201	Shaft Handle, Hex Drive - Zinc for 800148	Bulk

TOPWIND CRANKS

500180

500148

800075

Part Number	Description	Packaging
500180	Topwind Crank with 6.75" Radius, Assembly with Red Knob, Topwind 150 Series, 160 Series and 170 Series, 2,000 - 5,000 lbs.	Clam
500148	Topwind Crank with 9.00" Radius, Assembly with Black Knob, Topwind 190 Series, 7,000/8,000 lbs.	Clam
500344	Replacement Part, 12" Topwind Handle for 10K Square Jack	Poly Bag
800075	Topwind Crank 1" Tubing with 9.50" Radius, 12,000 lbs. Square	Bulk
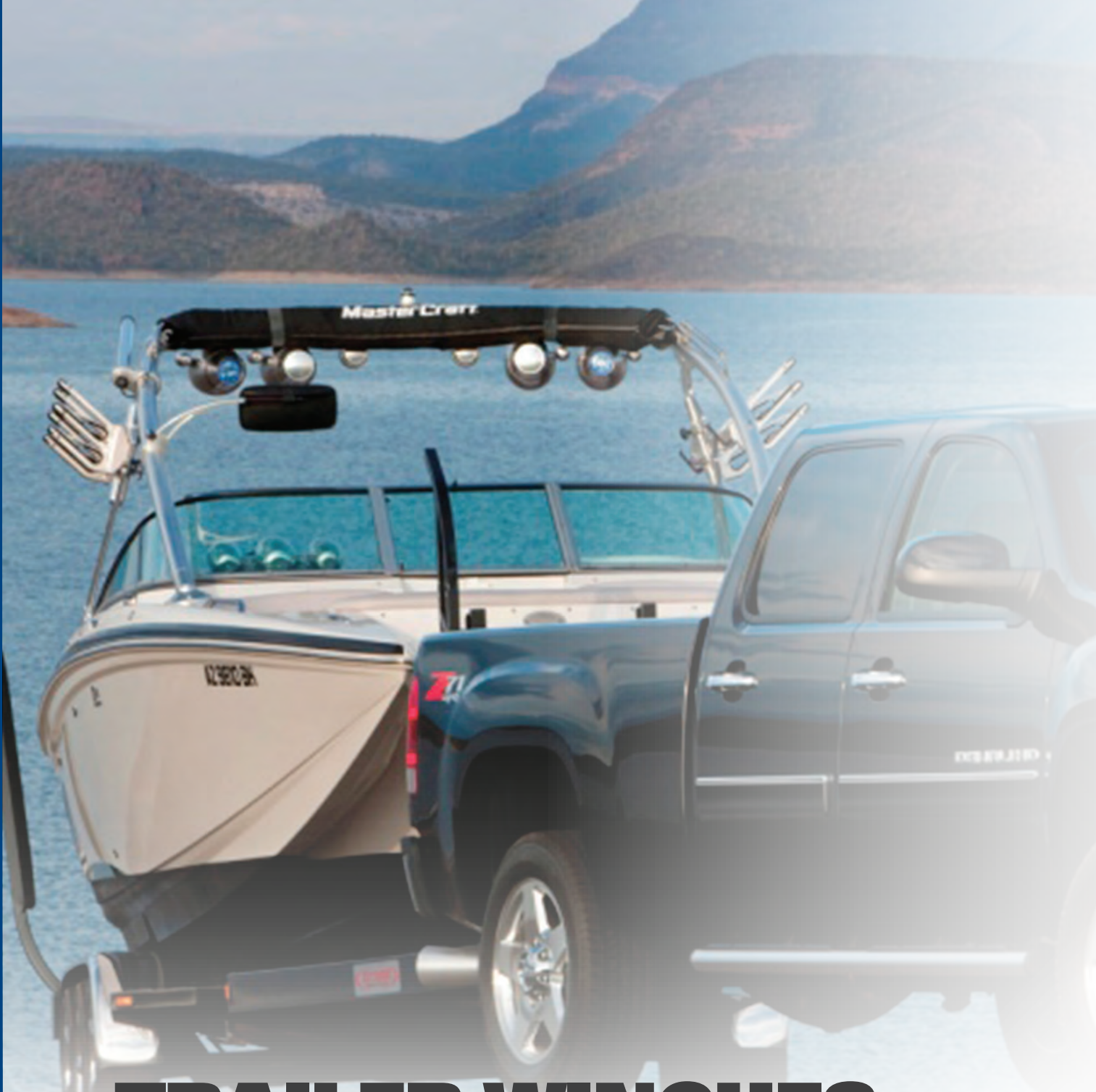
TRAILER WINCHES

Fulton® has produced the finest winches in the industry for over 50 years. The result of engineering innovation, superior materials, and rugged manufacturing, Fulton® Winches offer the greatest applications coverage for your unique needs. Ranging from the stylish and innovative F2® Winch to the wide variety of one-speed, two-speed winches and brake winches, Fulton® offers a style and capacity to meet virtually every need.

The Fulton® F2® Winch brings an innovative and attractive design that will update any marine trailer. Its clean, high-tech look is sleek and contemporary, and will complement the look of even high end boat and trailer combinations. Fulton® continues to evolve industry-changing improvements in both performance and style with the Fulton® F2® series of products.

Since 2012, Fulton® has been paired with the BASSMaster elite angler Brent Chapman. Brent relies on the F2® product line for both professional fishing tournaments, and trips with his wife and kids. Fulton® is proud to be represented by the 2012 Angler of the Year.

F2® 2,000 LBS. SINGLE SPEED TRAILER WINCH

- One piece corrosion resistant aluminum frame
- One piece corrosion resistant aluminum handle
- Dual gear drum operates smoothly
- Center drive enclosed ratchet system
- User-friendly pull-turn knob to engage ratchet plunger pin
- Left or Right handed handle attachment
- 4-position handle adjusts from 6 in. to 9 in.
- Includes 20 ft. strap with hook

See Page B-6

FW20000301

FEATURED

XLT™ POWERED MARINE WINCHES

- Requires connection to a min. of a 650 CCA 12V DC battery
- Convenient wireless remote included
- Rugged strap includes swiveling hook to prevent twisting
- Power in / Power out and free spool
- 3-position guide so strap comes out straight
- Manual override using standard tools in case of power loss
- Easy to access light and winch control switches
- LED lights on back and bottom to help at dusk and dawn
- Patented E.I.S. Easy Install System - drop in bolts, apply lock ring, adjust bolts and tighten

500621

See Page B-4

TRAILER WINCHES

FULTON® XLT™

SHOW YOUR BOAT WHO'S BOSS

500620

7.0 POWERED WINCH
FOR BOATS UP TO 20 FEET

BOTH WINCHES OFFER:
- Convenient wireless remote included
- Strap with swiveling hook & adjustable 3-position guide prevent strap twisting
- Power in / Power out and free spool
- Manual override using standard tools in case of power loss
- Easy to access light and winch control switches
- LED lights on back and bottom to help at dusk and dawn
- Patented E.I.S. Easy Install System – Drop in bolts, apply lock ring, adjust bolts and tighten. Easy!

500621

10.0 POWERED WINCH
FOR BOATS UP TO 26 FEET

HOOK SWIVELS 360°   3-POSITION GUIDE   EASY FREE SPOOL   EASY INSTALL SYSTEM

XLT™ POWERED MARINE WINCHES

500621

- Requires connection to a min. of a 650 CCA 12V DC battery
- Convenient wireless remote included
- Rugged strap includes swiveling hook to prevent twisting
- Power in / Power out and free spool
- 3-position guide so strap comes out straight
- Manual override using standard tools in case of power loss
- Easy to access light and winch control switches
- LED lights on back and bottom to help at dusk and dawn
- Patented E.I.S. Easy Install System - drop in bolts, apply lock ring, adjust bolts and tighten

5-YEAR LIMITED WARRANTY

Wireless Remote

SHARKSKIN™

PREMIUM FINISH
- Maximum corrosion resistance
- Used in salt water environments and other demanding climate applications

Part Number	Description	Max Boat Weight (lbs.)	Max Boat Length (ft.)	Packaging
500620	7.0 XLT Powered Marine Winch and Wireless Remote	7,000	20	Ind. Box
500621	10.0 XLT Powered Marine Winch and Wireless Remote	10,000	26	Ind. Box

HOOK SWIVELS 360°

3-POSITION GUIDE

EASY FREE SPOOL

EASY INSTALL SYSTEM

LEDS ON BACK AND BOTTOM

WIRELESS REMOTE

F2® SERIES TRAILER WINCHES

- The F2® Winch addresses the need for attractive design in every element of a marine trailer. It complements the look of even high end boat and trailer combinations and continues the industry changing improvements in both performance and style of the Fulton® F2® series of products.
- Models available with 1,600, 2,000 and 3,200 lbs. capacity
- Attractive design to compliment the F2® jack series for a custom look
- Enclosed frame design for a sleek, strong stylish look to compliment your boat and customize your trailer
- Soft ergonomic adjustable handle
- Handle switches from left to right hand drive configuration - (1,600 and 2,000 lbs. models only)
- Features patented E.I.S. - "Easy Install System"
- Lifetime limited warranty

CE Compliant

SHARKSKIN™

PREMIUM FINISH
- Maximum corrosion resistance
- Used in salt water environments and other demanding climate applications

WARRANTY
LIMITED LIFETIME

E.I.S. - Easy Install System

Adjustable Handle
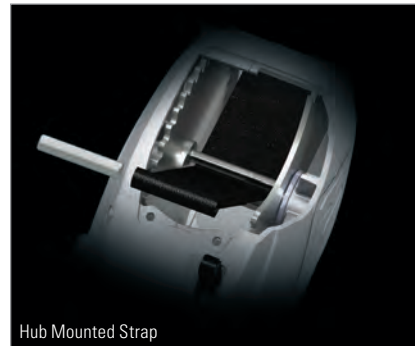
Hub Mounted Strap
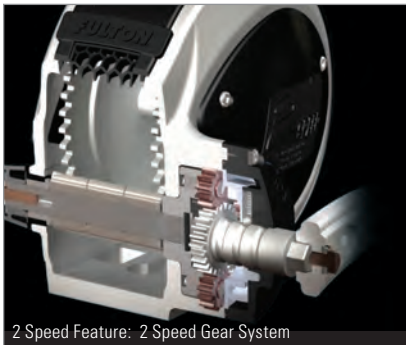
2 Speed Feature: 2 Speed Gear System

2 Speed Feature: Low Speed

2 Speed Feature: High Speed

FW1600Z0101

F2® 1,600 LBS.
SINGLE SPEED TRAILER WINCH

- Two piece corrosion resistant aluminum frame
- One piece corrosion resistant aluminum handle
- Dual gear drum operates smoothly
- Left or Right handed handle attachment
- 2-position handle adjusts from 6 in. to 7 in.
- 20 ft. x 2 in. Strap with hook

Part Number	Capacity (lbs.)	Gear Ratio	Mounting Hardware Included	Finish	Packaging
FW1600Z0301	1,600	4.1:1	Yes	Sharkskin	Bulk

FW20000301

F2® 2,000 LBS.
SINGLE SPEED TRAILER WINCH
- One piece corrosion resistant aluminum frame
- One piece corrosion resistant aluminum handle
- Dual gear drum operates smoothly
- Center drive enclosed ratchet system
- User-friendly pull-turn knob to engage ratchet plunger pin
- Left or Right handed handle attachment
- 4-position handle adjusts from 6 in. to 9 in.
- Includes 20 ft. strap with hook

Part Number	Capacity (lbs.)	Gear Ratio	Mounting Hardware Included	Finish	Packaging
FW20000301	2,000	5.1:1	Yes	Sharkskin	Bulk

FW32000301

F2® 3,200 LBS.
TWO SPEED TRAILER WINCH
- One piece corrosion resistant aluminum frame
- One piece corrosion resistant aluminum handle
- Dual gear drum operates smoothly
- Center drive enclosed ratchet
- Self-engaging one-hand system shifts from high to low speed
- User-friendly pull-turn knob to engage ratchet plunger pin
- 4-position handle adjusts from 6 in. to 9 in.
- Includes 20 ft. heavy duty strap with hook

Part Number	Capacity (lbs.)	Gear Ratio	Mounting Hardware Included	Finish	Packaging
FW32000301	3,200	5.1:1 3.17:1	Yes	Sharkskin	Bulk

F2® TRAILER WINCH
REPLACEMENT PARTS

Part Number	Description
FW3200S01	F2 Two Speed Replacement Sun Gear Kit
500350	Top Cover for F2 FW1600, FW2000 and FW3200 Winches
500351	Back Cover for F2 FW2000 and FW3200 Winches
0133313S00	Winch Handle for F2 FW1600
1596S01	Ratchet Repair Kit for F2 FW1600
0133310S00	Ratchet Repair Kit for F2 FW2000 and FW3200
0133311S00	Winch Handle Kit for F2 FW2000 and FW3200
0133312S00	2 Speed Planetary Drive System Repair Kit for F2 FW 3200
501135	Ratchet Pawl Spring for F2 FW1600
501136	Mounting Hardware for F2 Winches
501137	Handle 6" - 7" for F2 Winches
501138	Handle 6" - 9" for F2 Winches

0133313S00

0133311S00

FULTON

142201

142412

143100

SELECTING A PULLING WINCH

To Select Winch Capacity:
1. Minimum Winch Capacity = Maximum Weight of Boat, Including Motor, Fuel, Gear ÷ 2
   - Example:
   - Boat, Motor, Fuel, Gear Weight = 2,800 lbs.
   - 2,800 ÷ 2 = 1,400 lbs.
   - Select 142201 Winch, rated at 1,500 lbs.
2. If shallow water or steep inclined launches are expected to be used ÷ Maximum Weight by 1.5
   - Example:
   - Boat, Motor, Fuel, Gear Weight = 3,100 lbs.
   - 3,100 ÷ 1.5 = 2,067 lbs.
   - Select 142412 Winch, rated at 2,600 lbs.

SELECTING A LIFTING WINCH

To Select Winch Capacity:
1. Minimum Winch Capacity = Maximum Line Load
   - Example:
   - Maximum Line Load = 1,450 lbs.

To Select Winch Capacity:
1. Minimum Winch Capacity = Maximum Line Load
   - Example:
   - Maximum Line Load = 1,450 lbs.

COMMON PULLING APPLICATION

COMMON LIFTING APPLICATIONS

NOTE: Fulton Winches are not designed to be human hoists and should never be operated when there are persons on or under the load being moved.

NOTE: Fulton Winches are rated on the first layer of recommended line on the drum. For maximum efficiency use only the amount of line required. Derate the capacity 10% per additional layer of rope, strap, or cable.

SINGLE SPEED TRAILER WINCHES

Our full line of Fulton® single speed winches are designed to meet your toughest pulling demands. Our winches winch's solid drum gear construction delivers smooth cranking and durability. All models feature ZMAX™ 600 clear zinc finish for superior corrosion resistance.

- The 1,100 lbs. to 1,800 lbs. capacity models feature a 2-way ratchet with neutral pawl
- For end user convenience, models are available with the strap and hook included
- Our XLT™ Series include stylized thermoplastic covers and come standard with the strap and hook included
- 5-year limited warranty

INDUSTRY LEADING CORROSION PROTECTION

- 600 hour salt spray rating per ASTM B117

5-YEAR LIMITED WARRANTY 5

14320 XLT

142306

Part Number	Capacity (lbs.)	Handle Length (in.)	Max Mechanical Advance**	Rope (ft. x in.)	Strap (ft. x in.)	Recommended Strap Bolt Sizes (in.)	Strap	Packaging
142002	900	7.00	39:1	36 x 1/4	15 x 2	1/4 x 2-1/2 Grade 5	No	Bulk
142003	900	7.00	39:1	36 x 1/4	15 x 2	1/4 x 2-1/2 Grade 5	Yes	Bulk
142007	900	6.00	39:1	36 x 1/4	12 x 2	1/4 x 2-1/2 Grade 5	Yes	Bulk
142101	1,100	7.00	43:1	30 x 5/16	20 x 2	1/4 x 2-1/2 Grade 5	No	Bulk
142104	1,300	8.00	49:1	30 x 5/16	20 x 2	1/4 x 2-1/2 Grade 5	No	Bulk
142320 (XLT)	1,500	8.00	43:1	-	20 x 2	5/16 x 2-1/2 Grade 5	Yes	Bulk
142201	1,500	8.00	49:1	20 x 5/16	20 x 2	1/4 x 2-1/2 Grade 5	No	Bulk
142203	1,500	8.00	49:1	20 x 5/16	20 x 2	1/4 x 2-1/2 Grade 5	Yes	Bulk
142204	1,500	8.00	49:1	20 x 5/16	20 x 2	1/4 x 2-1/2 Grade 5	Yes	Bulk
142303	1,800	8.00	62:1	20 x 7/16	20 x 2	3/8 x 2-3/4 Grade 5	No	Bulk
142306	1,800	8.00	62:1	20 x 7/16	20 x 2	3/8 x 2-3/4 Grade 5	Yes	Bulk
142315 (Black XLT)	1,800	8.00	62:1	-	20 x 2	3/8 x 2-3/4 Grade 5	Yes	Bulk
142316 (XLT)	1,800	8.00	62:1	-	20 x 2	3/8 x 2-3/4 Grade 5	Yes	Bulk

*Maximum Mechanical Advance - Based on first layer of recommended line on the drum. For maximum efficiency, use only the amount of line required.

CE Compliant

SINGLE SPEED WINCH ACCESSORIES

Part Number	Description	Packaging
501103	Winch Handle, 6" Offset Packaged	Carded
501107	Winch Handle, 7" Offset Packaged	Carded
501106	Winch Handle, 8" Offset Packaged	Carded
501109	Winch Handle, 9" Offset Packaged	Bulk
501108	Winch Handle, 10" Offset Packaged	Carded
501101	Winch Handle, 11" Offset Packaged	Carded
501201	Winch Strap and Hook - Nylon Web Winch Strap with Hook, 2" x 20', 2,600 lbs. Maximum Working Load	Bulk
501207	Winch Strap and Hook - Nylon Web Winch Strap with Hook, 2" x 20', 3,200 lbs. Maximum Working Load	Clam
WS20HD0200	Heavy Duty Winch Strap with Hook - 2" x 20', 4,000 lbs. Maximum Working Load	Bulk

501103

501106

WS20HD0200

142401

TWO SPEED TRAILER WINCHES

Make light work of heavy loads with Fulton® brand two-speed winches. One fast speed for quick pulling, a second low speed for increased mechanical advantage.

- Our shift lock design allows changing gears without moving the crank handle from shaft to shaft. Just lift the shift lock and slide the shaft into the desired gear position. Shift lock holds the shaft in gear.
- Neutral, free-wheel position allows quick line pay out without spinning the handle.
- Optional handbrake kit no. 501201 purchased separately and available for all two-speed winches and can be installed after the winch is mounted.
- Our XLT™ Series include stylized thermoplastic covers and come standard with the strap and hook included.
- 5-year limited warranty

MAX 600 SUPERIOR PLATING

INDUSTRY LEADING CORROSION PROTECTION

- 600 hour salt spray rating per ASTM B117
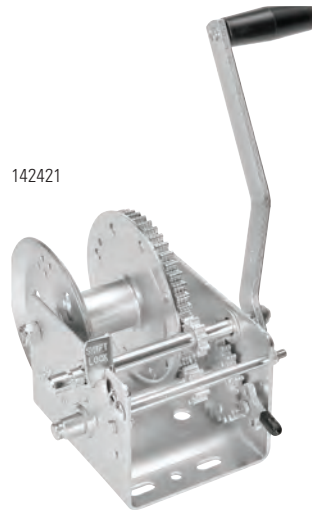
5-YEAR LIMITED WARRANTY 5
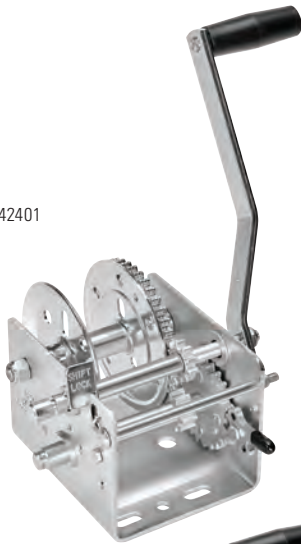
142412

142421

142425

Part Number	Capacity (lbs.)	Handle Length (in.)	Max Mechanical Advance**	Cable (ft. x in.)	Strap (ft. x in.)	Recommended Strap Bolt Sizes (in.)	Hub Size (in.)	Hand Brake†††	Strap Included	Cable Included	Packaging
142401	2,000	10.00	87:1	-	20 x 2	3/8 x 2-3/4 Grade 5	1.00	501210***	No	-	Bulk
142403	2,000	6.25	87:1	-	20 x 2	3/8 x 2-3/4 Grade 5	1.00	501210***	Yes	-	Bulk
142412	2,600	10.00	108:1	-	20 x 2	3/8 x 2-3/4 Grade 5	1.00	501210***	No	-	Bulk
142416	2,600	10.00	108:1	-	20 x 2	3/8 x 2-3/4 Grade 5	1.00	501210***	Yes	-	Bulk
142418 (XLT)	2,600	10.00	108:1	-	20 x 2	3/8 x 2-3/4 Grade 5	1.00	501210***	Yes	-	Bulk
142414	2,600	6.25	108:1	-	-	3/8 x 2-3/4 Grade 5	1.00	501210***	No	-	Bulk
142419	2,600	6.25	108:1	-	20 x 2	3/8 x 2-3/4 Grade 5	1.00	501210***	Yes	-	Bulk
142421	3,200	10.00	79:1	100 x 7/32	-	Cable only	1.75	501210***	-	No	Bulk
142425 (XLT)	3,200	10.00	79:1	-	20 x 2	3/8 x 2-3/4 Grade 5	1.00	501210***	Yes	-	Bulk
142423	3,200	10.00	108:1	-	20 x 2	3/8 x 2-3/4 Grade 5	1.00	-	Yes	-	Bulk
142424	3,200	10.00	108:1	-	20 x 2	3/8 x 2-3/4 Grade 5	1.00	Included	Yes	-	Bulk
142430	3,700	10.00	102:1	90 x 7/32	-	Cable Only	1.75	Included	-	No	Bulk

*Maximum Mechanical Advance - Based on first layer of recommended line on the drum. For maximum efficiency, use only the amount of line required.

NOTE: For maximum efficiency, use only the amount of line required.

***Brake Kit 501210 available as option not furnished. Only winches that are shown to accommodate steel cable should be used with steel cable. Cable keeper kits are included with the winches specifying steel cable. Winches rated for steel cable have a larger drum hub to reduce or lessen chance of kinking or fraying.

CE Compliant

TWO SPEED WINCH ACCESSORIES

501110

WC325 0100

WC750 0100

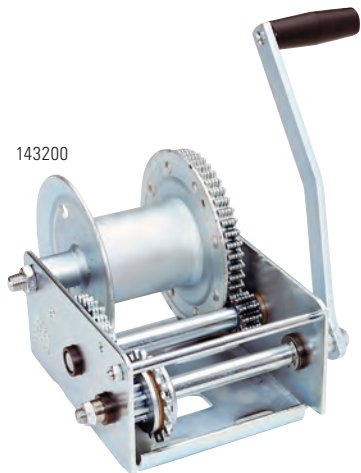| Part Number	Description	Packaging
501108	Winch Handle, 10" Offset Packaged	Carded
501110	Winch Handle, 10" Removable, for 3,700 lbs. Capacity Models	Carded
501201	Winch Strap and Hook - Nylon Web Winch Strap with Hook, 2" x 20', 2,600 lbs. Maximum Working Load	Bulk
501207	Winch Strap and Hook - Nylon Web Winch Strap with Hook, 2" x 20', 3,200 lbs. Maximum Working Load	Clam
WS20HD0200	Heavy Duty Winch Strap with Hook - 2" x 20', 10,000 lbs. Minimum Breaking Strength, 4,000 lbs. Maximum Working Load	Bulk
WC325 0100	Winch Cable and Hook - 3/16" x 25' Galvanized Cable, 4,200 lbs. Breaking Strength	Clam
WC750 0100	Winch Cable and Hook - 7/32" x 50' Galvanized Cable, 5,600 lbs. Breaking Strength	Bagged

TWO SPEED WINCH REPLACEMENT PARTS

501132
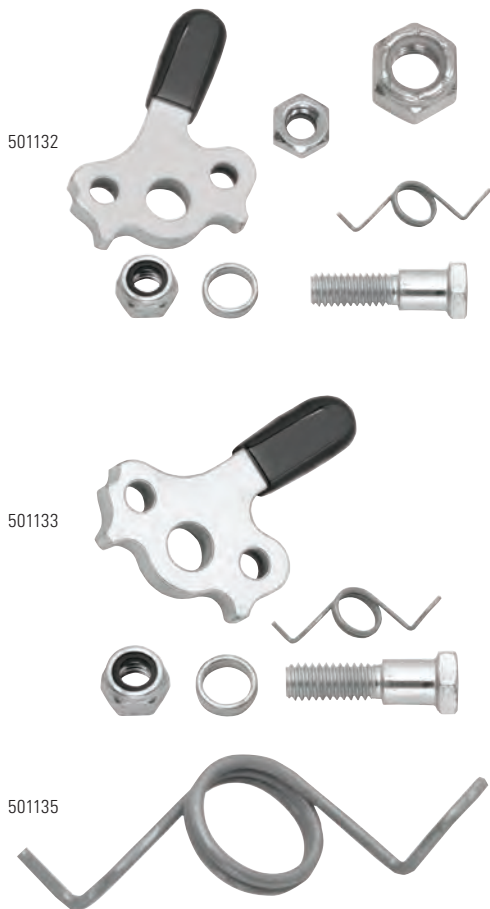
501133

501135

Part Number	Description	Packaging
501132	Replacement Part, Ratchet Repair, for 2,000 lbs., 2,600 lbs., and 3,200 lbs. Capacity Models	Bagged
501134	Replacement Part, Input Shaft / Bearing, for 2,000 lbs., 2,600 lbs. and 3,200 lbs. Capacity Models	Bagged
501210	Replacement Part, Hand Brake Kit for all 2-Speed Models	Bagged
501133	Replacement Part, Ratchet Repair, for 3,700 lbs. Capacity Models	Bagged
501135	Replacement Part, Ratchet Spring, for all 2-Speed Models	Bagged

NOTES:

1. Winch mounting hardware sold separately. Refer to instruction sheet for recommended bolt size and grade.

2. Fulton brand two-speed winches are designed for boat trailer and other pulling applications, which require the freewheeling feature of ratchet type winches. If moving loads requiring vertical lifting, or positive load control in both directions, choose a Fulton brake winch.

3. All Fulton brand winches are rated on the first layer of recommended rope, strap, or cable. The winch load capacity must be derated as additional layers are used. Derate the capacity 10% per additional layer of rope, strap, or cable.

4. Fulton brand winches are NOT designed to be human hoists and should never be operated when there are persons on, around, or under the load being moved.

FULTON

BRAKE WINCHES

- Fulton® self-activating automatic brake winches hold the load securely when the crank handle is released
- Popular applications include construction light towers, grain augers, manual fork lifts, and boat lifts
- Drum hubs are 10 times the recommended cable size to maximize cable life
- For especially demanding applications select models feature covered drums and gear trains, along with a dual ratchet system

143200

INDUSTRY LEADING CORROSION PROTECTION

- 600 hour salt spray rating per ASTM B117

5-YEAR LIMITED WARRANTY
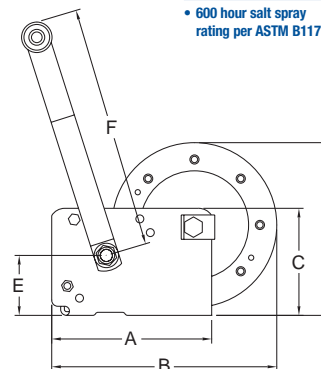
Capacity (lbs.)	A (in.)	B (in.)	C (in.)	D (in.)	E (in.)	F (in.)
1,000	5.25	7.46	3.69	5.89	1.90	11.00
1,500	6.56	9.23	4.39	7.08	2.46	11.00
2,500	8.63	11.13	5.60	7.13	2.08	11.00

| Part Number	Max Rated Line Pull		Max Cable Size Data (7 x 9 Galvanized Aircraft Cable)			Mechanical Data					Packaging
	1st Layer (lbs.)	Full Drum (lbs.)	Diameter (in.)	Drum Storage (ft.)	Test Strength (lbs.)	Gear Ratio	Handle Length (in.)	Drum Hub Diameter (in.)	Covered Gears	Cable Included	
143002	1,000 (454 kg)	500 (227 kg)	7/32 (5.5 mm)	50 (15 m)	5,600 (2540 kg)	4:1	11 (27.9 cm)	2-1/4 (57 mm)	No	No	Bulk
143006	1,000 (454 kg)	500 (227 kg)	7/32 (5.5 mm)	50 (15 m)	5,600 (2540 kg	4:1	11 (27.9 cm)	2-1/4 (57 mm)	Yes	No	Bulk
143101	1,500 (680 kg)	700 (318 kg)	1/4 (6 mm)	70 (21 m)	7,000 (3175 kg)	5:1	11 (27.9 cm)	2-1/2 (63 mm)	No	No	Bulk
143105	1,500 (680 kg)	700 (318 kg)	1/4 (6 mm)	70 (21 m)	7,000 (3175 kg)	5:1	11 (27.9 cm)	2-1/2 (63 mm)	Yes	No	Bulk
143201	2,500 (1134 kg)	1,500 (680 kg)	5/16 (8 mm)	70 (21 m)	9,800 (4445 kg)	15.8:1	11 (27.9 cm)	3-1/8 (79 mm)	No	No	Bulk

Only winches that are shown to accommodate steel cable should be used with steel cable. Cable keeper kits are included with the winches specifying steel cable. Winches rated for steel cable have a larger drum hub to reduce or lessen chance of kinking or fraying.

C€ Compliant

STANDARD ECONOMY BRAKE WINCHES

- Self activating automatic brake
- Solid drum gear construction
- Covered braking system
- Enlarged drum size to extend cable life
- 8 in. handle length
- Passes all applicable SAE and ASAE standards

C€ Compliant
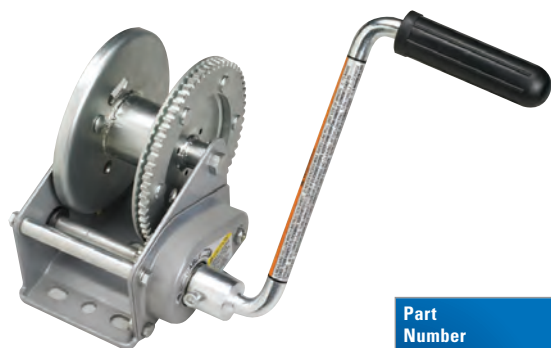
KR10000301

Part Number	Capacity (lbs.)	Gear Ratio	Cable Capacity (ft. x in.)	Cable Included	Packaging
KR10000301	1,000	3:5:1	50 x 7/32	No	Bulk
KR15000301	1,500	5:1:1	50 x 7/32	No	Bulk

BRAKE WINCH ACCESSORIES

501110

Part Number	Description	Packaging
501101	Winch Handle, 11" Offset for all Models	Carded
WC325 0100	Winch Cable and Hook, 3/16" x 25' Galvanized Cable, 4,200 lbs. Breaking Strength	Clam
WC750 0100	Winch Cable and Hook, 7/32" x 50' Galvanized Cable, 5,600 lbs. Breaking Strength	Bagged

WC325 0100

WC750 0100

500357

BRAKE WINCH ACCESSORIES

Part Number	Description	Packaging
500357	Handle Kit for KR10000301 and KR15000301	Boxed
500366	Cable Keeper for KR10000301 and KR15000301	Bagged

500366

BRAKE WINCH REPLACEMENT PARTS

501130

501131

501125

Part Number	Description	Packaging
501130	Gear Cover for 1,500 lbs. Capacity Models	Bagged
501124	Gear Cover for 1,000 lbs. Capacity Models	Bagged
501115	Friction Disc for 1,500 lbs. Capacity Models	Bagged
501122	Friction Disc for 1,000 lbs. Capacity Models	Bagged
501118	Pinion Shaft Kit for 1,500 lbs. Capacity Models	Bagged
501121	Pinion Shaft Kit for 2,500 lbs. Capacity Models	Bagged
501131	Intermediate Shaft Kit for 2,500 lbs. Capacity Models	Bagged
501120	Cable Keeper for all Models	Bagged
501117	Ratchet Repair for 1,500 lbs. and 2,500 lbs. Capacity Models	Bagged
501125	Ratchet Repair for 1,000 lb. Capacity Models	Bagged

NOTES:

1. Winch mounting hardware sold separately. Refer to instruction sheet for recommended bolt size and grade.

2. Fulton brand two-speed winches are designed for boat trailer and other pulling applications, which require the freewheeling feature of ratchet type winches.
   If moving loads requiring vertical lifting, or positive load control in both directions, choose a Fulton brake winch.

3. All Fulton brand winches are rated on the first layer of recommended rope, strap, or cable. The winch load capacity must be derated as additional layers are used.
   Derate the capacity 10% per additional layer of rope, strap, or cable.

4. Fulton brand winches are NOT designed to be human hoists and should never be operated when there are persons on, around, or under the load being moved.

FULTON

TRAILER COUPLERS

BULLDOG® Collar Lok™ forged head couplers are the strongest in the industry and designed for the most rigorous and abusive application and user, "Tough and Trusted" since 1908. The design features of the BULLDOG® Collar Lok™ Coupler make it the only automatic and continuous tight ball fit in the industry and the distinctive and patented Collar Lok™ appearance. The hinged ball socket design for easier alignment and hook-up, plus a clear visual indication of proper closure. The BULLDOG® Collar Lok™ Couplers are in compliance with SAE standard J684.

Equally impressive is the BULLDOG® patented "Wedge-Latch®" Cast Coupler is offered in the heavy-duty A-frame design and in the adjustable coupler product family to assure level operation for trailers when pulled by a variety of different vehicles. Also in compliance with SAE standard J864.

BULLDOG®

BX1® GOOSENECK COUPLERS

The BULLDOG® BX1® coupler is the result of generations of design expertise and field experience. Incorporates innovative features that revolutionize the benefits available from a gooseneck coupler.

- Offers flexible mounting options with Next Generation locking plate coupler
- Easy hooking up, adjusting vertical height, and disconnecting
- Maintains smooth operation over time with grease fittings for every important operating part
- Operates easily with one hand thanks to new locking handle design
- Continuous tight ball fit - ever-increasing cam tightening mechanism
- Protects against wear with enclosed locking pin mechanism
- Integrated feature to allow pad-locking the coupler to the ball (lock not included)
- Guides ball into socket more easily letting you miss by more than an inch with bottom locking plate 50% larger than competitors
- Lengthens life of locking mechanism with oil-impregnated bushings

1289200300   1289130300

FEATURED

WEDGE-LATCH® CAST COUPLERS

The patented Wedge-Latch® ball clamp allows for quick hook-up and disconnect yet strong and secure on the road meeting the SAE J684 standard. The extremely popular 50 degree, A-frame coupler is configured to mate up with a round tube jack or square tube jack and is available in a weld-on or bolt-on version. The replaceable latching hardware allows for longer service life.

- Quick and easy to engage
- Strong and secure on the road
- Patented Wedge-Latch® ball clamp design
- Quick to hook up and disconnect
- In compliance with SAE standard J684

FULTON®

44150W0317

44150WH301

BULLDOG®

TOUGH & TRUSTED BULLDOG®

TOUGH & TRUSTED PERFORMANCE

40K GOOSENECK COUPLER

HEAVY DUTY
- 40,000 lbs. max capacity
- Unmatched strength

EASY TO USE
- Flexible mounting options
- Simple hook-up, vertical height adjustment, and disconnect
- Operates easily with one hand
- Maintains smooth operation over time

HIGH TECH
- Continuous tight ball fit - ever increasing cam tightening mechanism
- Guides ball into socket more easily - allowing you to miss by more than an inch
- Superior ball fitment and reduced jarring
- Innovations that improve security, service life, and functionality

BX1
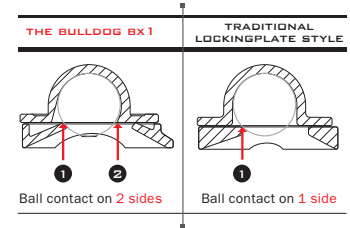
NEXT GENERATION LOCKING PLATE

BX1® GOOSENECK COUPLERS

The BULLDOG® BX1® coupler is the result of generations of design expertise and field experience. Incorporates innovative features that revolutionize the benefits available from a gooseneck coupler.

- Offers flexible mounting options with Next Generation locking plate coupler locking mechanism
- Easy hooking up, adjusting vertical height, and disconnecting
- Maintains smooth operation over time with grease fittings for every important operating part
- Operates easily with one hand thanks to new locking handle design
- Continuous tight ball fit - ever-increasing cam tightening mechanism
- Protects against wear with enclosed locking pin mechanism
- Integrated feature to allow pad-locking the coupler to the ball (lock not included)
- Guides ball into socket more easily letting you miss by more than an inch with bottom locking plate 50% larger than competitors
- Lengthens life of locking mechanism with oil-impregnated bushings
- Allows shorter retracted length and less wasted length for trucks with high bed height via low-profile locking mechanism
- Fits ball better and reduces jarring through contour-formed edge on bottom locking plate
- Delivers unmatched strength through heavy-duty construction
- Innovations that improve security, service life, and functionality
- New ball pocket design provides contact on both sides of the ball for substantially improved pull out strength - the only sliding-plate design that transfers part of the load to the top locking plate rather than only the bottom locking plate
- In compliance with SAE standard J2638

1289130300

Patents Pending.

1289130300

THE BULLDOG BX1 | TRADITIONAL LOCKINGPLATE STYLE

Ball contact on 2 sides | Ball contact on 1 side

Part Number	Description	Capacity (lbs.)	Overall Retracted Height (in.)	Overall Extended Height (in.)	Adjustment (in.)	Ball Size (in.)
1289030300	BX1 Coupler Round Tube	20,000	27.50	35.50	8.00	2-5/16
1289070300	BX1 Coupler Round Tube, Short Configuration	20,000	22.60	30.60	8.00	2-5/16
1289170300	BX1 Coupler Round Tube, Inner Tube Only	20,000	-	-	8.00	2-5/16
1289000300	BX1 Coupler Round Tube	25,000	27.50	35.50	8.00	2-5/16
1289020300	BX1 Coupler Round Tube, Inner Tube Only	25,000	-	-	8.00	2-5/16
1289080300	BX1 Coupler Round Tube, Short Configuration	25,000	22.60	30.60	8.00	2-5/16
1289130300	BX1 Coupler Square Tube	25,000	30.80	38.80	8.00	2-5/16
1289210300	BX1 Coupler Square, Inner Tube Only, Short Configuration	25,000	-	-	8.00	2-5/16
1289040300	BX1 Coupler Round Tube, Short Configuration	30,000	22.60	30.60	8.00	2-5/16
1289050300	BX1 Coupler Round Tube, Inner Tube Only, Short Configuration	30,000	-	-	8.00	2-5/16
1289140300	BX1 Coupler Square Tube	30,000	30.80	38.80	8.00	2-5/16
1289200300	BX1 Coupler Square Tube	40,000	22.00	24.60	2.60	3

Accessories	
0233120300	Square Gooseneck Coupler Outer Tube, Weld On, 20" Length, 4-1/2" Tube, with Hex Head Bolt Hole, Dual Set Bolts & Labels, 20.6 lbs.
500356	5/16" Locking Pin for BX1 Gooseneck Couplers

Service Kit	
500289	BX1 Gooseneck Coupler Handle Mechanism

Replacement Part	
500353	Repair Kit (BX1, 3" Ball), Includes Handle Assembly, Locking Cam, Grease Fitting, Grooved Pin, Flanged Bushing & Torsion Spring

ROUND GOOSENECK COUPLERS

BULLDOG® gooseneck couplers are quick and easy to engage and strong and secure on the road. Our unique, patented, extruded locking plate design and high-strength steel components make BULLDOG® gooseneck couplers 65% stronger than similar products.

- Easy-grip locking handle is accessible from any position, even while wearing a glove
- Self-centering locking plate lets you miss the ball by more than an inch
- Tight ball fit reduces jarring when changing speeds or on rough roads
- Heavy-duty construction provides unmatched strength
- User-friendly design is simple to use
- Quick to hook up and disconnect
- Easy vertical adjustment
- In compliance with SAE standard J2638

⚠WARNING

Failure to close coupler securely before towing or failure to use with specified ball size may result in serious injury or death.

0289500300

0287600300

GN24 0200

Part Number	Description	Capacity (lbs.)	Overall Retracted Height (in.)	Adjustment (in.)	Ball Size (in.)
Round Gooseneck Fixed Coupler					
0287690300	Fixed Base Coupler	20,000	33.00	-	2-5/16
Round Gooseneck Adjustable Coupler					
0287600300	Adjustable Gooseneck Coupler, (1) Set Bolt	20,000	29.20	8.00	2-5/16
0287610300	Adjustable Gooseneck Coupler, No Outer Tube	20,000	27.20	8.00	2-5/16
0287620300	Adjustable Gooseneck Coupler with Cap	20,000	29.30	8.00	2-5/16
0287650300	Adjustable Gooseneck Coupler, No Outer Tube, GN24 Coupler Head	20,000	28.60	8.00	2-5/16
0287760300	Adjustable Gooseneck Coupler, GN24 Coupler Head	20,000	29.50	8.00	2-5/16
0289340317	4.5" Diameter Outer Tube, 4" Diameter Inner Tube, with GN24 Coupler Head, 3/4" Load Bearing Pin	25,000	28.10	8.00	2-5/16
0289250300	4.5" Diameter Outer Tube, 4" Diameter Inner Tube, with Cast Locking Plates, 3/4" Load Bearing Pin, (1) Set Bolt	25,000	29.30	8.00	2-5/16
0289500300	4.5" Diameter Outer Tube, 4" Diameter Inner Tube, with Cast Locking Plates, 3/4" Load Bearing Pin, (2) Set Bolts	30,000	29.30	8.00	2-5/16
Gooseneck Coupler Head					
GN24 0200	Cast Steel Gooseneck Coupler Designed for Easy Welding to 3" or 4" Diameter Tubing, Quick and Easy Latching Action Eliminates Need to be in Tow Vehicle for Hook-Up	24,000	-	-	2-5/16
Gooseneck Coupler Outer Tube					
0233010300	Outer Tube Only, 20" Length, 4.5" Round Tube, with Hole for 3/4" Load Bearing Pin, (1) Set Bolt	20,000 and 25,000			
0233100300	Outer Tube Only, 20" Length, 4.5" Round Tube, with Hole for 3/4" Load Bearing Pin, (2) Set Bolts	30,000			
Replacement Part - Gooseneck Coupler Head GN24 Repair Kit					
1542S01	Kit Includes Torsion Spring, Coupler Locking Shaft, Curved Handle Assembly, 3/4" Shaft Retaining Ring, Centerlock Nut 1/2-13				
Replacement Part s - Gooseneck Coupler Kits					
0287740300	Kit Includes Coupler Assembly, Locking Pin Assembly, Locking Pin Cover, BULLDOG Label, and Warning Label, 2-5/16" Ball Size				
0233060301	Replacement Pin Kit, Includes Cotter Pin				
500296	Gooseneck Couplers Bolt Kit, Includes (1) Jam Nut, (1) Set Screw and (1) Adjusting Nut				

SQUARE GOOSENECK COUPLERS

You won't find a coupler that's faster or easier to use than the square gooseneck from BULLDOG®. Its user-friendly design makes hookup and release swift and secure.

- Easy-grip locking handle is accessible from any position
- Self-centering locking plate lets you miss the ball by more than an inch
- Tight ball fit reduces jarring when changing speeds or on rough roads
- Heavy-duty high-strength fabricated steel components are as strong as heavy cast iron but lighter and less brittle
- User-friendly design enables quick, easy hookup and release
- Locking handle cover protects working parts
- Cam locking pin affords easy vertical adjustment
- Pinch bolt design
- In compliance with SAE standard J2638

028900   0289600300

Part Number	Description	Capacity (lbs.)	Overall Retracted Height (in.)	Overall Extended Height (in.)	Adjustment (in.)	Ball Size (in.)
0289600300	4.5" Square Outer Tube, 4.0" Square Inner Tube, (1) 3/4" Diameter Set Screw	25,000	32.00	40.00	8.00	2-5/16
0288660300	4.0" Square Inner Tube Only	25,000	30.75	-	8.00	2-5/16
028900	4.5" Square Outer Tube with .25" Wall, 4.0" Square Inner Tube with .313" Wall, Includes Topwind Crank	30,000	32.00	39.00	7.00	2-5/16
0289800300	4.5" Square Outer Tube with, 4.0" Square Inner Tube, (2) 3/4" Diameter Set Bolts	30,000	32.00	40.00	8.00	2-5/16

BULLDOG®
KING PIN GOOSENECK COUPLERS

- Allows gooseneck trailer to be towed with vehicles equipped with a fifth wheel hitch
- Features dual set bolts
- Round model features exclusive load bearing pin
- Square model features exclusive load bearing pinch bolt
- Available with or without outer tube
- In compliance with SAE standard J2638

0289640300   0289590300

Part Number	Description	Capacity (lbs.)	Overall Retracted Height (in.)	Overall Extended Height (in.)	Adjustment (in.)	Ball Size (in.)
0289580300	Round Tube, Raw Finish, Labels Shipped Loose	25,000	23.30	31.30	8.00	-
0289640300	Round Tube, Raw Finish, Labels Shipped Loose, Inner Tube Only	25,000	23.30	31.30	8.00	-
0289590300	Square Tube, Raw Finish, Labels Shipped Loose	30,000	23.30	31.30	8.00	-
0289650300	Square Tube, Raw Finish, Labels Shipped Loose, Inner Tube Only	30,000	23.30	31.30	8.00	-
Service Kit						
0289SB0140	Adjustable Gooseneck Pinch Bolt Kit					

STANDARD ECONOMY ROUND GOOSENECK COUPLERS

- Round gooseneck coupler, dual set of bolts and labels
- Handle hold-open feature
- Raw finish

Part Number	Description	Capacity (lbs.)	Overall Retracted Height (in.)	Adjustment (in.)	Ball Size (in.)
0287790300	Raw Finish, (2) Set Screws	20,000	26.70	8.00	2-5/16
0287800300	Raw Finish, (2) Set Screws	25,000	26.70	8.00	2-5/16
0287820300	Raw Finish, (1) Set Screw and (1) Load Bearing Pin	25,000	26.70	8.00	2-5/16

Handle Hold-Open

0287790300

Handle Hold-Open

0287800300

Load Bearing Pin

0287820300

⚠ WARNING

Failure to close coupler securely before towing or failure to use with specified ball size may result in serious injury or death.

44150W0317

HEAVY DUTY CAST COUPLERS

Designed for utility, horse/livestock, cargo, and construction trailer applications, BULLDOG® couplers are the strongest in the industry. The patented cast head "Wedge-Latch®" coupler design is offered in heavy-duty, A-frame, and convenient adjustable height models. Adjustable couplers assure level operation for trailers when pulled by a variety of vehicles. The replaceable latching hardware allows for longer service life.

- Quick and easy to engage
- Strong and secure on the road
- Patented Wedge-Latch ball clamp design
- Quick to hook up and disconnect
- In compliance with SAE standard J684

A2565C0317

4420000317

⚠ WARNING

Failure to close coupler securely before towing or failure to use with specified ball size may result in serious injury or death.

Part Number	Description	GTW (lbs.)	Overall Length (in.)	Latches	Ball Size (in.)	SAE Class
Wedge-Latch Cast Head Couplers						
43805W0317	Round Jack Mount, 50° A-Frame	8,000	18.00	Wedge-Latch	2	IV
44125W0317	Round Jack Mount, 50° A-Frame	12,500	18.00	Wedge-Latch	2-5/16	IV
44150W0317	Round Jack Mount, 50° A-Frame	15,000	18.00	Wedge-Latch	2-5/16	IV
44150WQ317	Square Jack Mount, 50° A-Frame	15,000	18.00	Wedge-Latch	2-5/16	IV
44150WH301	Round Jack Mount, 50° A-Frame, for Bolt-On Applications	15,000	18"	Wedge-Latch	2-5/16	IV
Wedge-Latch Flat Mount Cast Head Couplers						
4420000317	Cast Head, 4-1/2" Mount Pattern, Gray Primer Coat	20,000	-	Wedge-Latch	2-5/16	-
4425000317	Cast Head, 4-1/2" Mount Pattern, Gray Primer Coat	25,000	-	Wedge-Latch	2-5/16	-
Accessory Part, Wedge-Latch Flat Mount Cast Head Coupler						
PL4 0201	Pin/Lanyard 5/16" with 4 Link Chain and Tab	-	-	-	-	-
Wedge-Latch Adjustable Height Cast Head Couplers						
A200C 0317	Cast Head Includes Mounting Hardware, Adjustable Height	8,000	8.50	Wedge-Latch	2	IV
A2003C0317	Cast Head Includes Bolts and 3-Position Channel, Adjustable Height	8,000	9.25	Wedge-Latch	2	IV
A2005C0317	Cast Head Includes Bolts and 5-Position Channel, Adjustable Height	8,000	9.25	Wedge-Latch	2	IV
A256C 0317	Cast Head Includes Mounting Hardware, Adjustable Height	14,000	9.25	Wedge-Latch	2-5/16	IV
A2563C0317	Cast Head Includes Bolts and 3-Position Channel, Adjustable Height	14,000	9.50	Wedge-Latch	2-5/16	IV
A2565C0317	Cast Head Includes Bolts and 5-Position Channel, Adjustable Height	14,000	9.50	Wedge-Latch	2-5/16	IV
Accessories and Replacement Parts, Adjustable Height Channel Bracket						
AC300 0300	4-Hole, 3-Position Bracket, with 4" of Vertical Adjustment, Adjustable Height	-	8.00	-	-	-
AC500 0300	6-Hole, 5-Position Bracket, with 8" of Vertical Adjustment, Adjustable Height	-	11.75	-	-	-
66 0801	2" Ball Size Wedge-Latch Repair Kit, Includes Latch Lever, Ball Clamp, and Replacement Hardware	-	-	-	2	-
67 0801	2-5/16" Ball Size Wedge-Latch Repair Kit, Includes Latch Lever, Ball Clamp, and Replacement Hardware	-	-	-	2-5/16	-

NOTE: Other custom-made designs are available upon request.

HEAVY DUTY COLLAR-LOK™ COUPLERS

- Designed for utility, horse/livestock, cargo, and construction trailer applications, BULLDOG® Collar-Lok™ are the strongest in the industry
- The BULLDOG® design features the only automatic and continuously tight ball fit in the industry
- A variety of coupler styles, tongue mounts, and latches allow configurations to match virtually any trailer
- Adjustable couplers assure level operation for trailers when pulled by a variety of different vehicles
- Strong in both static and dynamic loading conditions
- Hinged ball socket for easy hook up
- Clear, visual indication of proper closure
- In compliance with SAE standard J684

COLLAR-LOK™ COUPLERS - TONGUE MOUNTS

No. 2 Tongue Mount:
2-1/4" Outside Diameter x
1-3/4" Inside Diameter Steel Tubing

No. 4 Tongue Mount:
Hight Strength Steel for 3" Square or Rectangular Trailer Tongue

No. 5 Tongue Mount:
High Strength Steel for 3-1/2" OD Round Trailer Tongue

No. 6 Channel Tongue Mount:
Fits Inside 3" Wide Channel

No. 8 Tongue Mount:
High Strength Steel for 50-Degree Trailer Tongue
(Tapped Mounting Holes Optional for A-Frame Jacks)

COLLAR-LOK™ COUPLERS - "B" STYLE

2B Style:
5,000 lbs. Gross Trailer Weight for 2" Ball

3B Style:
7,000 lbs. Gross Trailer Weight for 2" Ball

4B Style:
12,500 lbs. Gross Trailer Weight for 2-5/16" Ball

5B Style:
15,000 lbs. Gross Trailer Weight for 2-5/16" Ball

COLLAR-LOK™ COUPLERS - LATCHES

L - Low Profile: (Latches)
No. 8 Tongue Mount Only

H - High Profile: (Latches)

M - Pin Only: (Latches)

⚠ WARNING

Failure to close coupler securely before towing or failure to use with specified ball size may result in serious injury or death.

HEAVY DUTY COLLAR-LOK™ COUPLERS

Part Number	Model Number	Description	GTW (lbs.)	Overall Length (in.)	Latches	Ball Size (in.)	SAE Class	Coupler Style
No. 2 - Round Tubular Tongue Mount								
028381	2B2H	2-1/4" OD x 1-3/4" ID, Steel Tubing	5,000	10.75	High Profile	2	III	2B Style
028242	2B2M	2-1/4" OD x 1-3/4" ID, Steel Tubing	5,000	10.75	Pin Style	2	III	2B Style
028461	4B2H	2-1/4" OD x 1-3/4" ID, Steel Tubing	12,500	12.75	High Profile	2-5/16	-	4B Style
028442	4B2M	2-1/4" OD x 1-3/4" ID, Steel Tubing	12,500	12.75	Pin Style	2-5/16	-	4B Style
No. 4 - 3" Square Rectangular Tongue Mount								
028382 ◊	2B4H	High-Strength Steel for 3" Square or Rectangular Trailer Tongue	5,000	16.25	High Profile	2	III	2B Style
028244	2B4M	High-Strength Steel for 3" Square or Rectangular Trailer Tongue	5,000	16.25	Pin Style	2	III	2B Style
028387 ◊	3B4H	High-Strength Steel for 3" Square or Rectangular Trailer Tongue	7,000	16.25	High Profile	2	IV	3B Style
028243	3B4M	High-Strength Steel for 3" Square or Rectangular Trailer Tongue	7,000	16.25	Pin Style	2	IV	3B Style
028462 ◊	4B4H	High-Strength Steel for 3" Square or Rectangular Trailer Tongue	12,500	16.50	High Profile	2-5/16	-	4B Style
028444	4B4M	High-Strength Steel for 3" Square or Rectangular Trailer Tongue	12,500	16.50	Pin Style	2-5/16	-	4B Style
No. 5 - 3" Round Straight Tongue Mount								
028383	2B5H	High-Strength Steel for 3-1/2" OD Round Trailer Tongue	5,000	16.25	High Profile	2	III	2B Style
No. 6 - Adjustable Channel Mount								
028390 ◊	3B6M	Fits Inside 3" Wide Channel	7,000	9.50	Pin Style	2	IV	3B Style
028584	3B6M	Rigid Mount, 4-Bolt Design, Fits Inside 3" Wide Channel	7,000	9.5	Pin Style	2	IV	3B Style
028630 ◊	4B6M	Fits Inside 3" Wide Channel	12,500	10.00	Pin Style	2-5/16	-	4B Style
028585	4B6M	Rigid Mount, 4-Bolt Design, Fits Inside 3" Wide Channel	12,500	10.00	Pin Style	2-5/16	-	4B Style
028657	5B6M	Fits Inside 3" Wide Channel	15,000	10.00	Pin Style	2-5/16	-	5B Style
No. 8 - A-Frame Tongue Mount								
028384	2B8H	High-Strength Steel for 50° Trailer Tongue	5,000	16.00	High Profile	2	III	2B Style
028288 ◊	2B8L	High-Strength Steel for 50° Trailer Tongue	5,000	16.00	Low Profile	2	III	2B Style
028386	3B8H	High-Strength Steel for 50° Trailer Tongue	7,000	16.00	High Profile	2	IV	3B Style
028287 ◊	3B8L	High-Strength Steel for 50° Trailer Tongue	7,000	16.00	Low Profile	2	IV	3B Style
028463	4B8H	High-Strength Steel for 50° Trailer Tongue	12,500	16.50	High Profile	2-5/16	-	4B Style
028499 ◊	4B8L	High-Strength Steel for 50° Trailer Tongue	12,500	16.50	Low Profile	2-5/16	-	4B Style
028656	5B8H	Black Primed Finish	15,000	16.50	High Profile	2-5/16	-	5B Style
No. 8 - A-Frame Tongue Mount								
028655	5B8L	Black Primed Finish	15,000	16.50	Low Profile	2-5/16	-	5B Style
Replacement Parts								
024200		Collar-Lok Coupler Kit, Includes High Profile Latch Handle, Latch Wire, Latch Pin, Push Nut, and Cotter Pin						
500354		Coupler Cap Spring						

NOTE: Other custom-made designs are available upon request. ◊ DENOTES MOST POPULAR

⚠ WARNING

Failure to close coupler securely before towing or failure to use with specified ball size may result in serious injury or death.

BULLDOG®

A200S 0303

AC300 0300   AC500 0300

E338050303

ADJUSTABLE HEIGHT HEAVY DUTY COUPLERS

Designed for utility, horse/livestock, cargo, and construction trailer applications, BULLDOG® couplers are the strongest in the industry. The patented cast head "Wedge-Latch®" coupler design is offered in heavy-duty, A-frame, and convenient adjustable height models. Adjustable couplers assure level operation for trailers when pulled by a variety of vehicles. The replaceable latching hardware allows for longer service life.

- Quick and easy to engage
- Strong and secure on the road
- Patented Wedge-Latch ball clamp design
- Quick to hook up and disconnect
- In compliance with SAE standard J684

Part Number	Description	GTW (lbs.)	Overall Length (in.)	Ball Size (in.)
A200S 0303	Black E-Coat Finish Mounting Hardware Included, Mounting Bracket Sold Separately	8,000	9.00	2
A256S 0303	Black E-Coat Finish, Mounting Hardware Included, Mounting Bracket Sold Separately	14,000	9.50	2-5/16
Mounting Brackets				
AC300 0300	3 Position, Raw Finish, Mounting Hardware Sold Separately, 8" Ht.			
AC500 0300	5 Position, Raw Finish, Mounting Hardware Sold Separately, 11.75" Ht.			
024202	Mounting Hardware, Individually Bagged			

YOKE COUPLERS

Part Number	Description	GTW (lbs.)	Ball Size (in.)
E338050303	Class III Coupler, Round Jack Mount 50° A-Frame, Black E-Coat Finish, Weld-on	5,000	2
E438050303	Class IV Coupler, Round Jack Mount 50° A-Frame, Black E-Coat Finish Weld-on	8,000	2

STAMPED COUPLERS WITH Z-MAX™ 600 SUPERIOR PLATING

Fulton Coupler with **Z-Max 600** Superior Plating After 336 Hours Salt Spray Testing

Competitor's Coupler After 336 Hours Salt Spray Testing
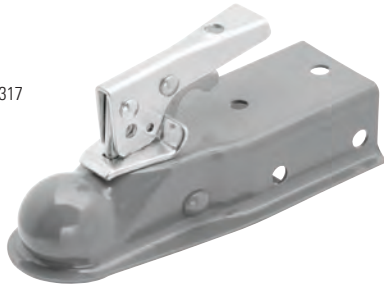
22300 0101

STAMPED COUPLERS

- The most popular coupler mechanism ever developed, the Fas-Lok® originated as a Fulton® brand and is offered in a full line of SAE Class I through IV rated straight tongue stamped couplers
- The Fas-Lok® latching mechanism allows quick and easy trailer hook-up, and is factory adjusted for convenience
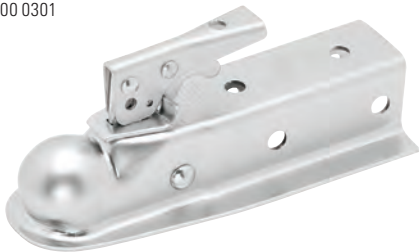
E112000340

11200 0317

22200 0301

23300 0301

34600 0301

STRAIGHT TONGUE STAMPED FAS-LOK® COUPLERS

Part Number	Description	GTW (lbs.)	Ball Size (in.)	SAE Class	Finish	Packaging
E112000340	2" Wide Channel, Clear Zinc Finish, No Product Label	2,000	1-7/8	I	100 HR.	Bulk
11200 0317	2" Wide Channel, Primed Finish, No Product Label	2,000	1 7/8	I	Primed	Bulk
E112500340	2-1/2" Wide Channel, Clear Zinc Finish, No Product Label	2,000	1-7/8	I	100 Hr.	Bulk
11250 0317	2 -1/2" Wide Channel, Primed Finish, No Product Label	2,000	1 7/8	I	Primed	Bulk
E113000340	3" Wide Channel, Clear Zinc Finish, No Product Label	2,000	1-7/8	I	100 Hr.	Bulk
11300 0317	3" Wide Channel, Primed Finish, No Product Label	2,000	1 7/8	I	Primed	Bulk
22200 0301	2" Wide Channel, No Product Label	3,500	2	II	Z-Max 600	Bulk
22200 0317	2" Wide Channel, Primed Finish, No Product Label	3,500	2	II	Primed	Bulk
22250 0301	2-1/2" Wide Channel, No Product Label	3,500	2	II	Z-Max 600	Bulk
22250 0317	2 -1/2" Wide Channel, Primed Finish, No Product Label	3,500	2	II	Primed	Bulk
22300 0301	3" Wide Channel, No Product Label	3,500	2	II	Z-Max 600	Bulk
22300 0317	3" Wide Channel, Primed Finish, No Product Label	3,500	2	II	Primed	Bulk
23300 0301	3" Wide Channel, No Product Label, Holes on 3" Center	3,500	2	II	Z-Max 600	Bulk
34300 0301	3" Wide Channel, No Product Label	5,000	2	III	Z-Max 600	Bulk
34300 0317	3" Wide Channel, Primed Finish, No Product Label	5,000	2	III	Primed	Bulk
34600 0301	3" Wide Channel, Cast Ball Clamp, No Product Label	6,000	2	IV	Z-Max 600	Bulk

⚠ WARNING

Failure to close coupler securely before towing or failure to use with specified ball size may result in serious injury or death.

44305R0317

44314R0303

3305H0301

CH 0701

1291020383

1291020340

A-FRAME STAMPED COUPLERS

Part Number	Description	GTW (lbs.)	Ball Size (lbs.)	SAE Class	Finish	Packaging
E333050303	50 Degree A-Frame, Weld-On	5,000	2	III	Black E-Coat	Bulk
33305H0301	50 Degree A-Frame, Bolt-On	5,000	2	III	Zinc	Bulk
E443050303	50 Degree A-Frame, Weld-On, Low Profile Latch	10,000	2-5/16	IV	Black E-Coat	Bulk
44305R0317	50 Degree A-Frame, Weld On, Wedge-Latch	10,000	2-5/16	IV	Gray Primer	Bulk
44305R0500	50 Degree A-Frame, Weld On, Wedge-Latch	10,000	2-5/16	IV	Oily	Bulk
44311H0301	50 Degree A-Frame, Bolt-On, Wedge-Latch	11,000	2-5/16	IV	Zinc	Bulk
44314R0303	50 Degree A-Frame, Weld On, Wedge-Latch	14,000	2-5/16	IV	Black Paint	Bulk

HANDWHEEL STAMPED COUPLERS

Part Number	Description	GTW (lbs.)	Ball Size (in.)	SAE Class	Finish	Packaging
308 0217	2-7/8" Channel, Handwheel Latch	5,000	2 to 2-1/8	III	Primed	Ind. Labeled

ACCESSORIES AND REPLACEMENT PARTS

| Part Number	Description	Packaging
CH 0701	Handi-Grip Coupler Handle	Carded
52 0801	Kit, 308 Repair, Handwheel Couplers	Display Bag
64 0801	Kit, 44305R, Coupler Replacement	Display Bag

Couplers do not include hitch balls. Class III hardware couplers can be used on Class II trailers.
NOTE: Review price list or contact customer service for package quantities and full part number.

LUNETTE RINGS

Part Number	Description	Diameter (in.)	Capacity (lbs.)	Max Vertical Load (lbs.)	Packaging
63023	Lunette Ring, 4 Hole Base	2-1/2	42,000	8,400	Boxed
63033	Hardware Mounting Kit for 63023	-	-	-	Bulk
63036	Adjustable Lunette Ring with Channel	3	24,000	-	Boxed
63060	Adjustable Lunette Ring with Hardware	3	24,000	-	Boxed
1291020383	Adjustable Lunette Ring	3	14,000	-	Bulk
1291020340	Adjustable Lunette Ring, Clear Zinc	3	14,000	-	Bulk

HDPB330301
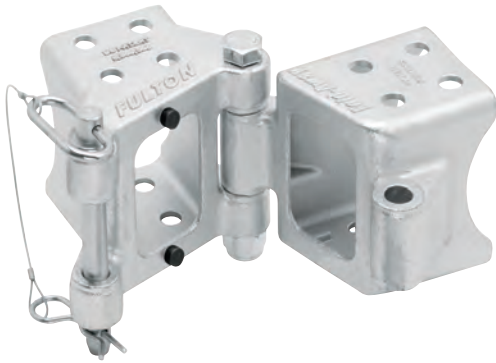
HDPB350301
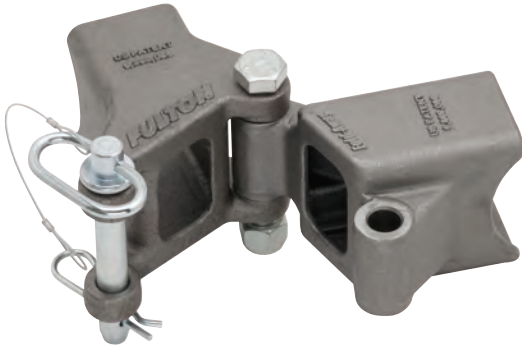
HDPW230300

HDPW340300

FOLD-AWAY™ HINGE KITS

- Fulton® High Performance Series Fold-Away™ hinge kits are ideal for boat trailers that can be just a little too long to fit inside smaller garages. These high quality, precision engineered products provide options for solving this common problem.
- Converts standard trailer tongues into fold-away configurations while preserving the existing coupler
- Delivers strength at the pivot point with precisely machined heavy duty hinges made from die cast steel
- Choose the Fold-Away™ product that fits your needs from among several varieties made to fit standard trailer tongue dimensions.

ZMAX 600 SUPERIOR PLATING
INDUSTRY LEADING CORROSION PROTECTION
- 600 hour salt spray rating per ASTM B117

Bolt-On Hinge Kits:
- Bolt-on models feature Z-Max™ 600 hour clear zinc finish
- Easy to install bolt-on application with complete instruction manual
- Includes all mounting hardware
- Only recommended for trailers with steel tongues

Weld-On Hinge Kits:
- Weld-on kits with raw finish are ideal for painting or galvanizing
- Ideal for OEMs, a convenient option for custom trailers to utilize a pivot system
- Provides superior performance with unique patent pending offset design
- Works with actuators and standard coupler applications, note gross trailer weight
- Only recommended for trailers made of steel

5-YEAR LIMITED WARRANTY 5

Part Number	Description	GTW (lbs.)	Pivot Length (in.)	Finish	Packaging
Bolt-On					
HDPB330301	Bolt-On Hinge Kit, 3" x 3" Trailer Tongues	Up To 5,000	Up To 48	Z-Max 600	Bulk
HDPB340301	Bolt-On Hinge Kit, 3" x 4" Trailer Tongues	Up To 7,500	Up To 48	Z-Max 600	Bulk
HDPB350101	Bolt-On Hinge Kit, 3" x 5" Trailer Tongues	Up To 9,000	Up To 48	Z-Max 600	Bulk
Weld-On					
HDPW230300	Weld-On Hinge Kit, 2" x 3" Trailer Tongues	Up To 5,000	Up To 48	Raw	Bulk
HDPW330300	Weld-On Hinge Kit, 3" x 3" Trailer Tongues	Up To 5,000	Up To 48	Raw	Bulk
HDPW340300	Weld-On Hinge Kit, 3" x 4" Trailer Tongues	Up To 7,500	Up To 48	Raw	Bulk
HDPW350300	Weld-On Hinge Kit, 3" x 5" Trailer Tongues	Up To 9,000	Up To 48	Raw	Bulk
Replacement Part					
500705	Pivot Bumpers, (4)				Poly Bag
500334	Pivot Pin, 5/8" x 4-1/2" with Cotter Pin and Lanyard for 3" x 3" Models				Poly Bag
500335	Pivot Pin, 5/8" x 5-1/2" with Cotter Pin and Lanyard for 3" x 4" Models				Poly Bag
500336	Pivot Pin, 5/8" x 6-1/2" with Cotter Pin and Lanyard for 3" x 5" Models				Poly Bag

Includes Fold-Away hinges (raw finish castings ideal for painting or galvanizing), zinc plated pivot bolt and nut, 5/8" diameter hitch pin and clip.

NOTE: Consult pivot rating chart for allowed capacity.

FULTON®

ELECTRICAL WIRING

The most trusted names in towing safety dating back to 1931, Tekonsha®, Wesbar® and Bargman® specialize in production, design and engineering of custom wire harnesses and cable assemblies. Our in-house overmolding and custom mold capabilities, design and engineering, and expertise in electronic cable assembly give us an unparalleled advantage in meeting our customers' needs. We specialize in assemblies with multiple connections, varying wire lengths and mixed technologies. We are known for design liaison expertise, quick response, building to AVL, customer service, and for consistently producing the best product, manufactured on time, to rigorous quality standards.

All wire and cable harness assemblies are produced at our world class manufacturing facilities. Currently supplying to various markets, including: Agricultural, Automotive, Recreational, Marine, Military and Utility.

BRAKE MATE™ 7-WAY PRE-WIRED ADAPTERS

- Includes all necessary parts required to completely install all brake controls. No other parts are necessary.
- Each Brake Mate™ Kit includes:
  - Pre-wired 7-way round connector
  - Scotch locks (5 pcs.)
  - 4-flat trailer end
  - Ring connectors (7 pcs.)
  - Heavy-duty flasher
  - Self tapping screws (8 pcs.)
  - Heavy-duty breakers (2 pcs.)
  - Tie straps (6 pcs.)

TEKONSHA®

See Page D-19

118607

FEATURED

7-WAY MOLDED CONNECTOR WITH CABLE TRAILER END

- 7-Way plastic trailer connector molded to heavy duty 7-Way insulated cable. Made with self-cleaning contacts and molded to encapsulate terminals and wires to form one weather resistant, non-corrosive assembly
- Primary wire gauges within the insulated cable are: Black and White-10 gauge, Blue-12 gauge, Brown-Red-Green-Yellow-14 gauge
- Molded connector can be used with thermoplastic or metal 7-Way car end connectors

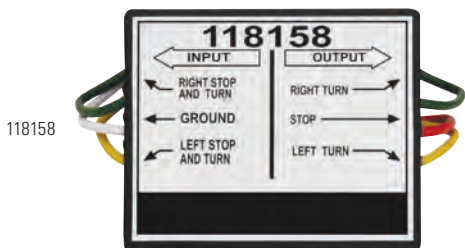**Bargman®**

See Page D-11

002478

TRAILER ELECTRICAL WIRING

20250

20251

20252

MULTI-FIT WIRING HARNESSES
- Easy do-it-yourself tow vehicle wiring kits for applications without T-One® Connectors
- 16 gauge wire w/4-Flat dust cover

Part Number	Description	Packaging
20250	Vehicles with Common Turn and Stop Lights and Factory O.E.M. Wiring Harness, 12" Length	Clam
20251	Vehicles with Separate Turn and Stop Lights and No Factory O.E.M. Wiring Harness. Converter Specification of 2.1 Amps per Stop/Turn Circuit and 4.2 Amps per Tail Circuit. Includes Circuit Tester and 60" Leads	Clam
20252	Vehicles with Common Turn and Stop Lights and No Factory O.E.M. Wiring Harness. Includes Circuit tester, 72" Length	Clam

TAIL LIGHT CONVERTER WITH CIRCUIT PROTECTION
- The unit is rated for up to 2.1 amps for Turns/Stops circuits and 5.6 amps for Tail light circuit
- Adapts import and domestic vehicles with separate turn and stop lights (3-wire system) to standard trailer tail light wiring (2-wire system)
- Has integrated, resettable Short Circuit and Overload protection to safeguard itself and the tow vehicle from shorts and installation wiring mishaps
- Will work with either LED and/or Incandescent bulbs (vehicle & trailer)
- All solid-state components in potted encapsulation
- Will not work with vehicles with low-side switch or multiplex systems
- Includes integrated protective cover

119178-012

Part Number	Description	Packaging
119178-012	Tail light Converter (12 pack)	Bulk
119178-050	Tail light Converter (50 pack)	Bulk

2 to 3-WAY TAIL LIGHT CONVERTER
- Allows RV's & other vehicles with 2 wire systems to tow vehicles and trailers with 3 wire systems

118158

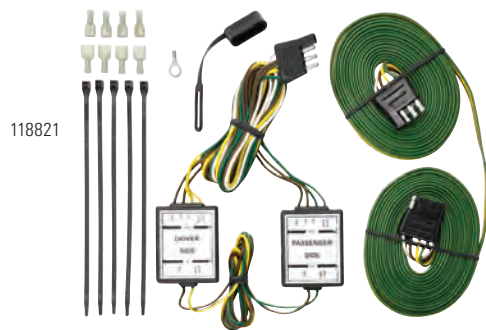| Part Number	Description	Packaging
118158	Connects a Tow Vehicle with a 2 Wire System to a Towed Vehicle with a 3 Wire System	Clam

119130-012

TAIL LIGHT CONVERTER

- The unit is rated for up to 2.1 amps for Turns/Stops circuits and 7.5 amps for Tail light circuit
- Adapts vehicles with separate turn and stop lights (3-wire system) to standard trailer tail light wiring (2-wire system)
- Works with either LED and/or Incandescent bulbs (vehicle & trailer)
- Designed not to send feedback through the vehicle circuits
- All solid-state components
- Will not work with vehicles with low-side switch or multiplex systems
- Includes integrated protective cover

Part Number	Description	Packaging
119130-012	Tail light Converter (12 pack)	Bulk
119130-050	Tail light Converter (50 pack)	Bulk
707295†	Tail light Converter with 60" 4-Flat Car End Connector	Clam

† = Available while supplies last.


118821

TAIL LIGHT ISOLATING DIODE SYSTEM

- Allows motorhome to power lights on towed vehicle without power feedback

Part Number	Description	Packaging
118821	Tail light Isolating System with 4-Flat	Clam

POWERED TAIL LIGHT CONVERTERS ELIMINATE THE DRAIN ON YOUR VEHICLE'S ELECTRICAL SYSTEM

With a Power Module the additional power required to supply the trailer lights (represented by the red line) is supplied directly from the battery. Only a small amount of power is required from the fuse panel, turn signal switch, tail light harness and lamp out sensor, to signal when to illuminate the trailer lights.

Without a Power Module all the additional power required to supply the trailer lights pass through the vehicle's electrical system.
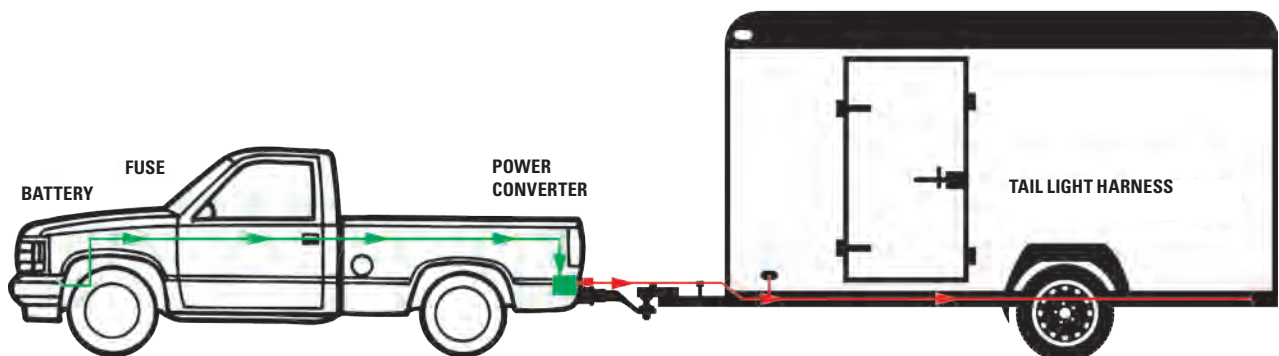
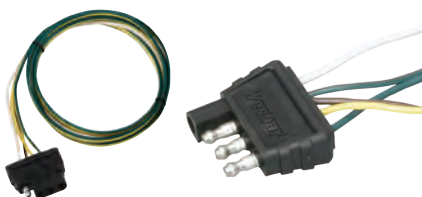BATTERY   FUSE   POWER CONVERTER   TAIL LIGHT HARNESS

WESBAR®
4-WAY FLAT
WIRE HARNESSES

- Color coded harnesses in various lengths available with car and trailer end connectors
- Trailer ends can be purchased in straight lengths, loops, wunside or wishbone harness styles
- Various length and combinations are available
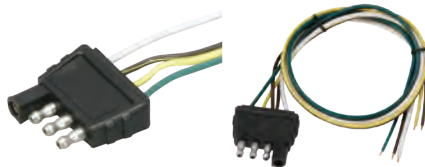

Car End

Trailer End

002301

Wishbone Style

002230

1804401

Wunside Style

002401

707254

NOTE: Various length and combinations available. Contact your Horizon Global Representative for details.

NOTE: All Tekonsha and Wesbar 4-way flat wire harnesses conform to SAE J1128 interface specifications.

4-FLAT CAR END WIRE HARNESSES

Part Number	Description	Packaging
002301	4-Way Flat 4 Ft. Car End, 18" Ground	Bulk
101469	4-Way Flat 6 Ft. Car End, 6 Ft. Ground	Bulk

4-WAY FLAT TRAILER END WIRE HARNESSES

Part Number	Description	Packaging
18004001	4-Way Flat 12" Trailer End	Bulk

4-WAY FLAT CAR END AND TRAILER END WIRE HARNESSES - LOOP STYLE

Part Number	Description	Packaging
18185001	4-Way Flat 18" Loop w/Wire Taps	Bulk
18044001	4-Way Flat 48" Loop w/Wire Taps	Bulk
18045001	4-Way Flat 60" Loop w/Wire Taps	Bulk

4-WAY FLAT TRAILER END WIRE HARNESSES - WUNSIDE STYLE

Part Number	Description	Packaging
002401	4-Way Flat 18" Trailer End, Wunside Harness, 18" Ground	Bulk
002120	4-Way Flat 20 Ft. Trailer End, Wunside Harness, 3 Ft. Ground	Bulk
002125	4-Way Flat 25 Ft. Trailer End, Wunside Harness, 3 Ft. Ground	Bulk
002130	4-Way Flat 30 Ft. Trailer End, Wunside Harness, 3 Ft. Ground	Bulk

4-WAY FLAT TRAILER END WIRE HARNESSES - WISHBONE STYLE

Part Number	Description	Packaging
002402	4-Way Flat 18" Trailer End, Wishbone Harness, 18" Ground	Bulk
002215	4-Way Flat 15 Ft. Trailer End, Wishbone Harness, 3 Ft. Ground	Bulk
002220	4-Flat 20 Ft. Trailer End, Wishbone Harness, 3 Ft. Ground	Bulk
108820	4-Flat 20 Ft. Trailer End, Wishbone Harness, 30" Ground	Bulk
108825	4-Flat 25 Ft. Trailer End, Wishbone Harness, 3 Ft. Ground	Bulk
002230	4-Flat 30 Ft. Trailer End, Wishbone Harness, 3 Ft. Ground	Bulk
108830	4-Way Flat 30 Ft. Trailer End, Wishbone Harness, 3 Ft. Ground	Bulk
002235	4-Flat 35 Ft. Trailer End, Wishbone Harness, 3 Ft. Ground	Bulk
108835	4-Flat 35 Ft. Trailer End, Wishbone Harness, 30" Ground	Bulk
002240	4-Flat 40 Ft. Trailer End, Wishbone Harness, 3 Ft. Ground	Bulk
108840	4-Flat 40 Ft. Trailer End, Wishbone Harness, 3 Ft. Ground	Bulk

4-WAY FLAT TRAILER END WIRE HARNESSES WITH CAR ENDS - WISHBONE STYLE

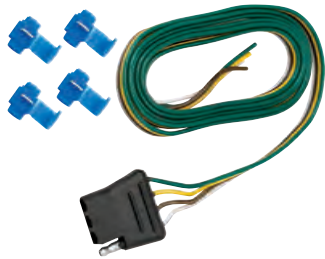| Part Number	Description	Packaging
707270	4-Flat 18" Trailer End, Wishbone Harness, 18" Ground with 4' Flat Car End, 18" Ground	Clam
707103	4-Way Flat 25' Trailer End, Wishbone Harness Kit with Hardware, 3' Ground with 4' Flat Car End, 18" Ground	Clam
707104	4-Way Flat 30' Trailer End, Wishbone Harness Kit with Hardware, 3' Ground with 4' Flat Car End, 18" Ground	Clam

DOUBLE ENDED 4-WAY FLAT WIRE HARNESS - EXTENSION STYLE

Part Number	Description	Packaging
707254	Double Ended 4-Way 2' Cord (4-Way Flat Car and Trailer Ends)	Clam

TEKONSHA®
4-WAY FLAT WIRE HARNESSES

- All 4-Flat Wiring conforms to SAE Spec. J1128 assuring you of consistent quality and reliability. 4-Flat harnesses come in a variety of lengths and packages to fit your every need.
- 18 gauge bonded wires
- Tail light, stop and turn functions printed on wire
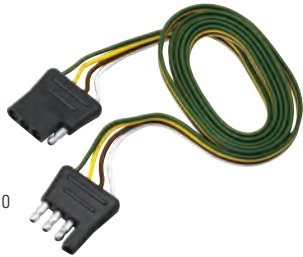- Ground wire runs full length of assembly

118001-024

118009

118044-010

118077

4-WAY FLAT CAR END WIRE HARNESSES
- 7.5 amps max per circuit

Part Number	Description	Packaging
118001-024	48" Car End (24 pack)	Boxed
118001-200	48" Car End (200 pack)	Boxed
118002-024	60" Car End (24 pack)	Boxed
118002-200	60" Car End (200 pack)	Boxed
118172-024	72" Car End (24 pack)	Boxed
118172-150	72" Car End (150 pack)	Boxed

4-WAY FLAT TRAILER END WIRE HARNESSES
- 7.5 amps max per circuit

Part Number	Description	Packaging
118004-012	12" Trailer End (12 pack)	Boxed
118009	21' Trailer End	Clam
118033-012	48" Trailer End (12 pack)	Bagged
118192	25' Trailer End with Dual Tail light (Brown) Wires	Clam

4-WAY FLAT CAR AND TRAILER WIRE HARNESSES
- 7.5 amps max per circuit
- Includes both car and trailer 4-flat connectors wired end to end

Part Number	Description	Packaging
118044-010	48" Car & Trailer End Loops (10 pack)	Bagged
118044-175	48" Car & Trailer End Loops (175 pack)	Boxed
118045-010	60" Car & Trailer End Loops (10 pack)	Boxed
118045-175	60" Car & Trailer End Loops (175 pack)	Boxed
118636	24' Car & Trailer End Loops	Clam
118185-025	18" Car & Trailer End Loops (25 pack)	Bagged
118185-200†	18" Car & Trailer End Loops (200 pack)	Boxed

NOTE: Various length and combinations available. Contact your Horizon Global Representative for details.

NOTE: All Tekonsha and Wesbar 4-way flat wire harnesses conform to SAE J1128 interface specifications.

† = Available While Supplies Last.

4-WAY ROUND ELECTRICAL CONNECTORS
- Attractive chrome housing

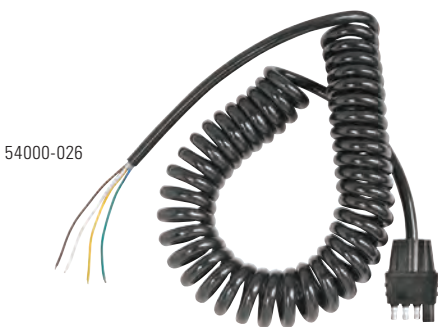| Part Number	Description	Packaging
118077	4-Way Round Chrome Car End and Trailer End Plug Connectors	Clam
118101	4-Way Round Chrome Car End Connector	Clam
118102	4-Way Round Chrome Trailer End Connector	Clam

4-FLAT CAR END CONNECTORS

- 7.5 amps max per circuit

Part Number	Description	Packaging
118043	30" Car End "Knockout" Socket Connector, 16 Gauge Wire (Un-Bonded). Requires 1-1/4" Hole	Clam
118603	60" Car End "Knockout" Socket Connector, 16 Gauge Wire (Un-Bonded). Requires 1-1/4" Hole	Clam

4-FLAT / 5-WAY FLAT WIRES HARNESSES WITH COILED CABLE

- Coiled 14 gauge cable available with either 4-Way or 5-Flat trailer end connectors
- Cable extended length to 11 feet

Part Number	Description	Packaging
54000-026	4-Way Flat Trailer End with 11' Coiled Cable	Bulk
54000-027	5-Way Flat Trailer End with 11' Coiled Cable	Bulk

4-WAY FLAT CONNECTORS WITH JACKETED CABLE

- Color coded sealed cable available with trailer end connector, jacketed cable and 4 ft. stripped wire leads
- No exposed wires and sealed for environmental protection

Part Number	Description	Packaging
787264	4-Way Flat 4' Trailer End with Jacketed Cable	Bulk
787268	4-Way Flat 8' Trailer End with Jacketed Cable	Bulk
787270	4-Way Flat 10' Trailer End with Jacketed Cable	Bulk
787274	4-Way Flat 14' Trailer End with Jacketed Cable	Bulk
787159	Double Ended 4-Way Flat 88" Cord (4-Way Flat Trailer and 4-Square Car Ends)	Bulk

2-WAY FLAT WIRE HARNESS

Part Number	Description	Packaging
85208	2-Flat Electrical Connector Loop, 12"	Clam

4-FLAT / 5-FLAT FLAT DUST COVERS

Part Number	Description	Packaging
104393	4-Flat Dust Cover (100 pack)	Bulk
20112-024	4-Way Flat Dust Cover (24 pack)	Boxed
20118-024	5-Way Flat Dust Cover (24 pack)	Boxed

WESBAR® 5-WAY FLAT WIRE HARNESSES

- Color coded harnesses in various lengths available with car and trailer end connectors
- Trailer ends can be purchased in straight lengths, loops, wunside or wishbone harness styles
- Various length and combinations are available
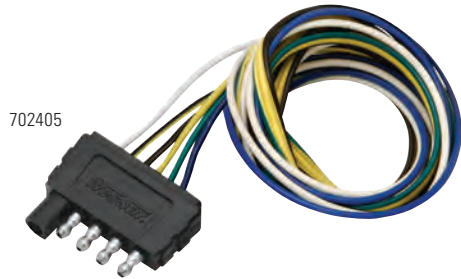
702405

002409

707255

118016-025

5-WAY FLAT CAR END WIRE HARNESSES

Part Number	Description	Packaging
702305	5-Flat 4 Ft. Car End , 18" Ground, 4 Ft. Auxiliary	Clam
002309	5-Way Flat 6 Ft. Car End, 6 Ft. Ground, 6 Ft. Auxiliary	Bulk

5-WAY FLAT TRAILER END WIRE HARNESSES - WUNSIDE STYLE

Part Number	Description	Packaging
702405	5-Way Flat 18" Trailer End, Wunside Harness, 18" Ground, 18" Auxiliary	Clam

5-WAY FLAT TRAILER END WIRE HARNESSES - WISHBONE STYLE

Part Number	Description	Packaging
002409	5-Flat 4 Ft. Trailer End, Wishbone Harness, 4 Ft. Ground, 4 Ft. Auxiliary	Bulk
707283	5-Flat 4 Ft. Trailer End, Wishbone Harness, 4 Ft. Ground, 4 Ft. Auxiliary	Bulk
002275	5-Way Flat 25 Ft. Trailer End, Wishbone Harness, 4 Ft. Ground, 5 Ft. Auxiliary	Bulk
702275	5-Way Flat 25 Ft. Trailer End, Wishbone Harness, 4 Ft. Ground, 5 Ft. Auxiliary	Bulk
002280	5-Flat 30 Ft. Trailer End, Wishbone Harness, 4 Ft. Ground, 5 Ft. Auxiliary	Bulk
002285	5-Flat 35 Ft. Trailer End, Wishbone Harness, 4 Ft. Ground, 5 Ft. Auxiliary	Bulk
002290	5-Way Flat 40 Ft. Trailer End, Wishbone Harness, 4 Ft. Ground, 5 Ft. Auxiliary	Bulk

5-WAY FLAT TRAILER END WIRE HARNESSES WITH CAR END - WISHBONE STYLE

Part Number	Description	Packaging
707105	5-Way Flat 25 Ft. Trailer End, Wishbone Harness Kit with Hardware, 4 Ft. Ground, 5 Ft. Auxiliary with 6 Ft. Car End, 6 Ft. Ground, 6 Ft. Auxiliary	Clam

DOUBLE ENDED 5-FLAT WIRE HARNESS - EXTENSION STYLE

Part Number	Description	Packaging
707255	Double End 5-Way 2 Ft. Cord (5-Way Flat Car and Trailer Ends)	Clam

5-WAY FLAT WIRE HARNESSES

- Fifth wire added for surge brake lockout or backup light circuit on today's newer trailers
- 7.5 amps maximum per circuit

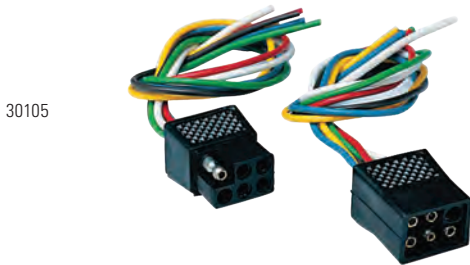| Part Number	Description	Packaging
118016-025	5-Way Flat 72" Car End Wiring Harness (25 pack)	Bulk
118017	5-Way Flat 48" Trailer End Wiring Harness	Clam
118215	5-Way Flat 72" Car and Trailer End Loop	Clam

NOTE: Various length and combinations available. Contact your Horizon Global Representative for details.

WESBAR®

63

118037-050

118036-050

62

6-WAY METAL CONNECTORS
- Heavy duty die cast corrosion resistant housing, spring loaded car end cover, and coded terminals
- Interchangeable with other standard 6-way connectors

Part Number	Description	Packaging
62	6-Way Metal Car End Only	Bulk
63	6-Pin Metal Trailer End Only	Bulk
118036-050	6-Pin Heavy-Duty Metal Car End Socket Connectors (50 pack)	Boxed
118037-050	6-Pin Heavy-Duty Metal Trailer End Plug Connectors (50 pack)	Boxed

30105

6-SQUARE WIRE HARNESSES
- Used on tent trailers
- 7.5 amps maximum per circuit

Part Number	Description	Packaging
30105	6-Way Square Connector Kit (Male and Female Ends), 12"	Clam
118104	6-Square to 4-Flat Adapter, 12" Loop	Bagged

118104

50-86-004

6-WAY SUPER SEALED CAR ENDS WITH CABLE
- Pre-wired, 6-Way car end sealed with 2 ft., 4 ft. or 7 ft. of UL listed 6-Pin cable (White, Blue and Red 10 gauge; Yellow, Brown and Green 14 gauge)
- Solid brass terminals and housing of industrial-strength, glass-filled thermoplastic, door with EPDM rubber gasket and heavy duty stainless steel spring
- Manufactured with UL listed PVC for flexibility and features molded construction to encapsulate terminals and wires
- Patent Pending

Part Number	Description	Packaging
50-86-004	6-Pin Super Sealed Car End with 4 Ft. Cable	Bulk
50-86-007	6-Pin Super Sealed Car End with 7 Ft. Cable	Bulk

NOTE: Various length and combinations available. Contact your Horizon Global Representative for details.

50-61-008

6-PIN MOLDED TRAILER END CONNECTORS WITH CABLE

- 6-Pin heavy duty series molded connector available with two different wires
- Can be purchased with 3-10 gauge and 3-14 gauge wires (primary wire gauges; Yellow, Brown, Green - 14 gauge) or can be purchased with 6-14 gauge wires
- Both models feature encapsulated terminals and wires to form one weather resistant, non-corrosive assembly
- Molded connector can be used with thermoplastic or metal 6-Pin car end connectors
- Various length and combinations are available

Part Number	Description	Packaging
50-61-008	6-Pin Molded Trailer Cord with 8 Ft. Cable, 3-10 Gauge, 3-14 Gauge	Bulk
50-61-104	6-Way Molded Trailer Cord with 4 Ft. Cable, 6-14 Gauge	Bulk
50-61-106	6-Pin Molded Trailer Cord with 6 Ft. Cable, 6-14 Gauge	Bulk
50-61-108	6-Pin Molded Trailer Cord with 8 Ft. Cable, 6-14 Gauge	Bulk

NOTE: Various length and combinations available. Contact your Horizon Global Representative for details.
NOTE: All Tekonska, Wesbar and Bargman 6-way flat wire harnesses conform to SAE J1128 interface specifications.

50-61-104

7-WAY THERMO-PLASTIC CONNECTORS

- 12-volt thermoplastic connector with brass contact to prevent corrosion
- Built-in cable clamp prevents wear on 7-way cable. Unique method of forming contact pins provides for easy connecting and disconnecting

Part Number	Description	Packaging
50-77-001	7-Way Plastic Car End Only	Bulk
50-77-003	7-Way Plastic Trailer End Only	Bulk

50-77-001

50-77-003

7-WAY METAL CONNECTORS
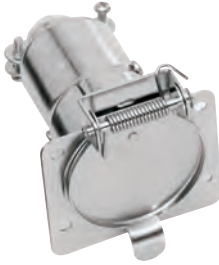
- 12-volt metal connector with plastic core
- Metal housing is 20 gauge steel, zinc plated to protect against corrosion
- Trigger grip for easy disconnection

Part Number	Description	Packaging
50-57-503	7-Way Metal Car End Only	Bulk
50-57-007	7-Way Metal Trailer End Only	Bulk

50-57-007

50-57-503

TRAILER ELECTRICAL WIRING

WESBAR

D-10

118020-050

118030

118021

50-87-002

002478

7-WAY STANDARD ELECTRICAL CONNECTORS
- Available with metal or plastic shell
- RV blade style

Part Number	Description	Packaging
118020-050	7-Way Plastic Car End Socket Connectors (50 pack)	Boxed
118021-050	7-Way Plastic Trailer End Plug Connectors (50 pack)	Boxed
118030	7-Way Metal Car End Socket Connector	Clam
118031	7-Way Metal Trailer End Plug Connector	Clam

7-WAY SUPER SEALED CAR ENDS WITH CABLE
- Pre-wired 7-way car end sealed with 2 ft., 4 ft., 7 ft. or 9 ft. of UL listed 7-way cable
- Solid brass terminals, housing of industrial-strength, glass-filled thermoplastic, door with EPDM rubber gasket and heavy duty stainless steel spring
- Manufactured with UL listed PVC for flexibility and features molded construction to encapsulate terminals and wires
- Patent Pending

Part Number	Description	Packaging
50-87-002	7-Way Super Sealed Car End w/2 Ft. Cable	Bulk
50-87-004	7-Way Super Sealed Car End w/4 Ft. Cable	Bulk
50-87-007	7-Way Super Sealed Car End w/7 Ft. Cable	Bulk
50-87-009	7-Way Super Sealed Car End w/9 Ft. Cable	Bulk

7-WAY MOLDED CONNECTOR WITH CABLE TRAILER END
- 7-Way plastic trailer connector molded to heavy duty 7-Way insulated cable. Made with self-cleaning contacts and molded to encapsulate terminals and wires to form one weather resistant, non-corrosive assembly
- Primary wire gauges within the insulated cable are: Black and White-10 gauge, Blue-12 gauge, Brown-Red-Green-Yellow-14 gauge
- Molded connector can be used with thermoplastic or metal 7-Way car end connectors

Part Number	Description	Packaging
002478	7-Way Molded Trailer End with 8 Ft. Cable	Bulk

NOTE: Various length and combinations available. Contact your Horizon Global Representative for details.

50-67-907

7-WAY MOLDED TRAILER END CONNECTORS WITH CABLE - RV CLOCKING

- 7-way plastic trailer connector molded to heavy duty 7-way insulated cable
- Made with self-cleaning contacts and molded to encapsulate terminals and wires to form one weather resistant, non-corrosive assembly
- Primary wire gauges within the insulated cable are: Black and White-10 gauge, Blue-12 gauge, Brown-Red-Green-Yellow-14 gauge
- Molded connector can be used with thermoplastic or metal 7-way car end connectors
- Various length and combinations are available

50-67-004

Part Number	Description	Packaging
50-67-907	7-Way Molded Trailer Cord w/4 Ft. Cable	Bulk
50-67-001	7-Way Molded Trailer Cord w/6 Ft. Cable	Bulk
50-67-002	7-Way Molded Trailer Cord w/7 Ft. Cable	Bulk
50-67-003	7-Way Molded Trailer Cord w/8 Ft. Cable	Bulk
50-67-004	7-Way Molded Trailer Cord w/9 Ft. Cable	Bulk
50-67-005	7-Way Molded Trailer Cord w/10 Ft. Cable	Bulk
50-67-007	7-Way Molded Trailer Cord w/12 Ft. Cable	Bulk
50-67-103	7-Way Molded Trailer Cord w/15 Ft. Cable	Bulk
50-67-106	7-Way Molded Trailer Cord w/18 Ft. Cable	Bulk

50-67-410

7-WAY MOLDED TRAILER END WITH CABLE AND BREAKAWAY SWITCH

Part Number	Description	Packaging
50-67-410	7-Way Molded Trailer with 10 Ft. Cable and Breakaway Switch	Bulk

DOUBLE ENDED 7-WAY MOLDED TRAILER END WITH CABLE

50-67-901

Part Number	Description	Packaging
50-67-901	Double Ended 7-Way Molded Trailer Cord with 6 Ft. Cable	Bulk
50-67-210	Double Ended 7-Way Molded Trailer Cord with 8 Ft. Cable	Bulk

NOTE: Various length and combinations available. Contact your Horizon Global Representative for details.

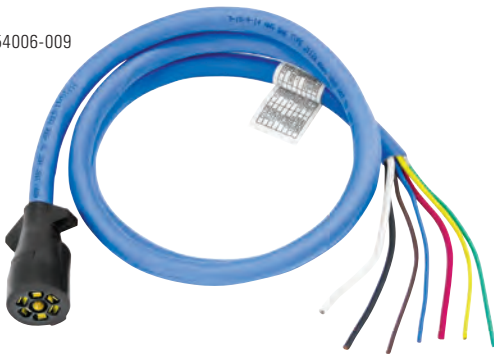**TRAILER ELECTRICAL WIRING**

Bargman

54006-057
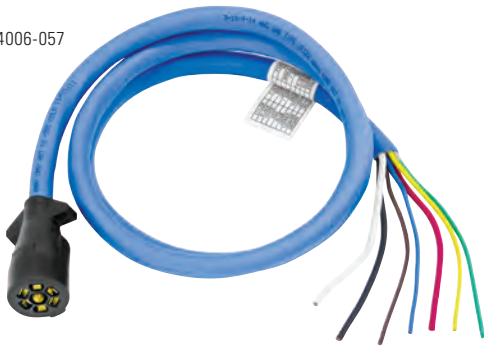
7-WAY HEAVY DUTY COLD WEATHER INSULATED BLUE SILICON TRAILER END WITH CABLE - RV CLOCKING

- 7-way trailer connector molded to cold environment heavy duty blue silicon 7-way insulated cable (rated to -55°C/-67°F)
- Made with self-cleaning contacts and molded to encapsulate terminals and wires to form one weather resistant, non-corrosive assembly
- Primary wire gauges within the insulated cable are: Black-White-Red-10 gauge, Blue-Brown-Green-Yellow-14 gauge
- Molded connector can be used with thermoplastic or metal 7-Way car end connectors

Part Number	Description	Packaging
54006-057	7-Way Cold Weather Molded Trailer Cord with 6 Ft. Cable	Bulk
54006-058	7-Way Cold Weather Molded Trailer Cord with 8 Ft. Cable	Bulk
54006-059	7-Way Cold Weather Molded Trailer Cord with 10 Ft. Cable	Bulk

NOTE: Various length and combinations available. Contact your Horizon Global Representative for details.
*NOTE: Reference wiring diagrams for pin locations.*

54006-009

7-WAY COLD WEATHER MOLDED BLUE SILICON TRAILER END CONNECTORS WITH CABLE - COLD WEATHER CLOCKING

- 7-Way trailer connector molded to cold environment heavy duty blue silicon 7-Way insulated cable (rated to -55°C/-67°F)
- Made with self-cleaning contacts and molded to encapsulate terminals and wires to form one weather resistant, non-corrosive assembly
- Primary wire gauges within the insulated cable are: Black-White-Red-10 gauge, Blue-Brown-Green-Yellow-14 gauge
- Molded connector can be used with thermoplastic or metal 7-Way car end connectors

Part Number	Description	Packaging
54006-009	7-Way Cold Weather Molded Trailer Cord with 6 Ft. Cable	Bulk
54006-010	7-Way Cold Weather Molded Trailer Cord with 8 Ft. Cable	Bulk
54006-015	7-Way Cold Weather Molded Trailer Cord with 10 Ft. Cable	Bulk
54006-016	7-Way Cold Weather Molded Trailer Cord with 12 Ft. Cable	Bulk

NOTE: Various length and combinations available. Contact your Horizon Global Representative for details.
NOTE: Reference wiring diagrams for pin locations.

54006-049
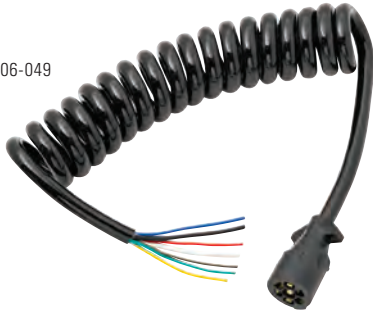
7-WAY CONNECTORS
- Durable connectors
- RV clocking

Part Number	Description	Packaging
54006-049	Coiled 7-Way Molded Trailer Connector, 6'	Boxed
54006-050	Coiled 7-Way Molded Trailer Connector, 8'	Boxed
54006-051	Coiled 7-Way Molded Trailer Connector, 10'	Boxed
54006-052	Coiled 7-Way Molded Trailer Connector, 12'	Boxed

118666

6-PIN / 7-WAY TRAILER EXTENSIONS
- Durable connectors
- 7 ft. lead reaches almost anywhere

Part Number	Description	Packaging
118666	6-Pin Connector - Extension Cable 7'	Bagged
118664	7-Way Connector - Extension Cable 7'	Bagged

118664

7-WAY MOLDED TRAILER END CONNECTOR REPLACEMENT KIT - RV CLOCKING
- Easy to install, complete with instructions
- Features self cleaning contacts, one foot of cable, butt connectors and weather resistant shrink tubing

Part Number	Description	Packaging
54-67-525	7-Way Molded Trailer End Connector Replacement Kit with 1 Ft. Cable	Bagged

54-67-525

7-WAY MOLDED TRAILER CONNECTORS WITH CABLE - TRAILER CLOCKING
- 7-Way plastic connector molded to heavy duty 7-Way insulated cable using trailer clocking
- Provides 7-Way connector contact color coding more conducive to horse and livestock trailers versus RV trailers
- Made with self-cleaning contacts and molded to encapsulate terminals and wires to form one weather resistant, non-corrosive assembly
- Permits the trailer to have the clean appearance and environmental advantages of a sealed, molded 7-Way cord
- Primary wire gauges within the insulated cable are: Black and White-10 gauge, Blue-12 gauge, Brown-Red-Green-Yellow-14 gauge

50-67-614

Part Number	Description	Packaging
50-67-614	7-Way Molded Trailer Cord w/4' Cable	Bulk
50-67-616	7-Way Molded Trailer Cord w/6' Cable	Bulk
50-67-618	7-Way Molded Trailer Cord w/8' Cable	Bulk
50-67-620	7-Way Molded Trailer Cord w/10' Cable	Bulk

NOTE: Various length and combinations available. Contact your Horizon Global Representative for details.
NOTE: Crimped junction box terminals can be added.
NOTE: Reference wiring diagrams for pin locations

54700-004

90° VEHICLE SPECIFIC COMPLETE KITS

Part Number	Description	Packaging
50-97-410	90° 7-Way Complete Connector Kit w/9 Ft. Cable	Bulk
50-97-411	90° 7-Way Complete Connector Kit w/9 Ft. Cable	Bulk
50-97-412	90° 7-Way Complete Connector Kit w/9 Ft. Cable	Bulk
54700-003	90° 7-Way Complete Connector Kit w/7 Ft. Cable	Bulk
54700-004	90° 7-Way Complete Connector Kit w/7 Ft. Cable	Bulk
54700-007	90° 7-Way Complete Connector Kit w/7 Ft. Cable	Bulk
54700-009	90° 7-Way Complete Connector Kit w/9 Ft. Cable	Bulk

NOTE: See application guide for vehicle specific applications.

50-97-407

90° 7-WAY PRE-WIRED CABLES FOR HOOK-UP OF FIFTH WHEEL AND GOOSENECK TRAILERS

- 7-Way 90° connector molded to heavy duty 7-Way insulated cable for fifth wheel or gooseneck trailer applications
- Allows remote wiring in pickup beds or other hard to access areas
- 90° molded from flame retardant material
- Features a patented mounting bracket that allows for installation in virtually all pickup models and styles and includes self-tapping stainless steel mounting screws
- Manufactured with UL listed 10/2, 12/1 and 14/4 jacketed cable

Part Number	Description	Packaging
50-97-407	90° 7-Way Molded Trailer Cord w/7 Ft. Cable	Bulk
54700-010	Screw Kit for Aluminum Beds	Bulk

20128

PRE-WIRED CABLES FOR HOOK-UP OF FIFTH WHEEL AND GOOSENECK TRAILERS

- Allows remote wiring in pickup beds or other hard to access areas when towing a fifth wheel or gooseneck trailer, upgrading from OEM wiring

Part Number	Description	Packaging
20128	4-Flat (OEM) to 6-Way Connector Kit w/7 Ft. Cable	Clam
20129	4-Flat (OEM) to 6-Way Connector Kit w/7 Ft. Cable	Clam
20131	4-Flat (OEM) to 7-Way Connector Kit w/7 Ft. Cable	Clam
20140	Fifth Wheel Adapter Harness, 7-Way Flat Pin USCAR connector assembly w/7' Cable w/Pigtails for Choice of Hardwiring 6-Way or 7-Way Connector, GM, Ford, Dodge, Toyota	Clam

NOTE: See application guide for vehicle specific applications.

20140

20110

USCAR VEHICLE SPECIFIC COMPLETE KITS

Part Number	Description	Packaging
20110	USCAR 7-Way Complete Connector Kit w/7 Ft. Cable, Dodge, Ford, GM, RAM & Toyota	Clam
20111	USCAR 7-Way Complete Connector Kit w/7 Ft. Cable, Dodge RAM 1500/2500/3500 00-09	Clam
20113	USCAR 7-Way Complete Connector Kit w/7 Ft. Cable, Toyota Tundra 07-09	Clam
20146	Fifth Wheel Adapter Harness, 7-Way Flat Pin U.S. Car Connector Assembly 9 ft., Dodge, Ford, GM, RAM & Toyota	Clam
20147	USCAR 7 Way Replacement Harness 18.25"	Clam

USCAR 7-WAY PRE-WIRED CABLES FOR HOOK-UP OF FIFTH WHEEL AND GOOSENECK TRAILERS

- Allows remote wiring in pickup beds or other hard to access areas when towing a fifth wheel or gooseneck trailer, using an OEM USCAR connector
- Features durable plastic housing with weather tight seal

20223

Part Number	Description	Packaging
20224	USCAR 7-Way Connector w/4 Ft. Cable	Clam
20223	USCAR 7-Way Connector w/7 Ft. Cable	Clam

NOTE: See application guide for vehicle specific applications.

7-WAY 90° PRE-WIRED CABLE APPLICATION CHART

Make/Model	Style	Years	Position	7 Ft. Clam	9 Ft. Clam	90°/9 Ft. Bulk	90°/7 Ft. Bulk
CHEVROLET/GMC							
Silverado/Sierra 1500	w/Factory 7-Way	99 - 19	PU3	20110	20146	50-97-410	54700-003
Silverado/Sierra 1500 HD	(Classic), w/Factory 7-Way	01 - 07	PU3	20110	20146	50-97-410	54700-003
Silverado/Sierra 2500	w/Factory 7-Way	99 - 04	PU3	20110	20146	50-97-410	54700-003
Silverado/Sierra 2500 HD	w/Factory 7-Way	01 - 19	PU3	20110	20146	50-97-410	54700-003
Silverado/Sierra 3500	(Classic), w/Factory 7-Way	01 - 07	PU3	20110	20146	50-97-410	54700-003
Silverado/Sierra 3500 HD	w/Factory 7-Way	07 - 19	PU3	20110	20146	50-97-410	54700-003
DODGE/RAM							
Ram 1500	w/Factory 7-Way	00 - 08	PU3	20111		50-97-411	
Ram 1500	w/Factory 7-Way	09 - 19	PU3	20110	20146	50-97-410	54700-003
Ram 2500	w/Factory 7-Way	00 - 09	PU3	20111		50-97-411	
Ram 2500	w/Factory 7-Way	10 - 19	PU3	20110	20146	50-97-410	54700-003
Ram 3500	w/Factory 7-Way	00 - 09	PU3	20111		50-97-411	
Ram 3500	w/Factory 7-Way	10 - 19	PU3	20110	20146	50-97-410	54700-003
FORD							
F-150	w/Factory 7-Way	97 - 18	PU3	20110	20146	50-97-410	54700-003
F-250	Styleside, w/Factory 7-Way	97 - 99	PU3	20110	20146	50-97-410	54700-003
F-250/350 Super Duty	w/Factory 7-Way	99 - 10	PU3	20110	20146	50-97-410	54700-003
F-250/350 Super Duty	w/Factory 7-Way	11 - 19	PU3	20110	20146	54700-009	54700-007
F-450 Super Duty	w/Factory 7-Way	99 - 10	PU3	20110	20146	50-97-410	54700-003
F-450 Super Duty	w/Factory 7-Way	11 - 19	PU3	20110	20146	54700-009	54700-007
F-550 Super Duty	w/Factory 7-Way	99 - 11	PU3	20110	20146	50-97-410	54700-003
LINCOLN							
Mark LT	w/Factory 7-Way	06 - 08	PU3	20110	20146	50-97-410	54700-003
NISSAN							
Titan	w/Factory 7-Way	04 - 14	PU3	20110	20146	50-97-410	54700-003
TOYOTA							
Tundra	w/Factory 7-Way	07 - 09	PU3	20113		50-97-412	54700-004
Tundra	w/Factory 7-Way	10 - 19	PU3	20110	20146	50-97-410	54700-003

50-98-054

50-98-050

VEHICLE / TRAILER ADAPTERS

- Adapters for a quick switch from one style plug to another when towing multiple trailers

Part Number	Description	Packaging
50-98-054	6-Pin Round Pin to 4-Way Flat	Bulk
50-98-050	7-Way Blade to 4-Way Flat	Bulk
50-98-052	7-Way Round Pin to 4-Way Flat	Bulk
767940	7-Way Blade to 5-Way Flat	Clam
007257	7-Way Blade to 5-Flat, 6" Wire	Clam
707250	7-Way Blade to 5-Flat, 18" Wire	Clam
50-98-051	7-Way Blade to 6-Pin Round Pin (Auxiliary in Center)	Bulk

20142

VEHICLE ADAPTER FOR VEHICLES WITH A LAMP OUT INDICATOR MODULE TOWING A TRAILER WITH LED LIGHTS

Part Number	Description	Packaging
20141	7-Way Flat Pin to 5-Flat Adapter with LED Lamp Out By-Pass	Clam
20142	7-Way Flat Pin to 7-Flat Adapter with LED Lamp Out By-Pass for European Vehicles	Clam

51-20036

STANDARD VEHICLE / TRAILER ADAPTERS - STEP-UP STYLE

Part Number	Description	Packaging
51-20036	4-Flat to 5-Flat	Clam

DUAL PART VEHICLE / TRAILER ADAPTERS - STEP-UP STYLE

Part Number	Description	Packaging
85343	4-Flat to 4-Flat and 7-Way	Clam

787207

VEHICLE / TRAILER COILED WIRE JUMPERS

- Environmentally sealed 16 gauge coiled wire prevents tangling
- Attractive marine yellow, no fade color
- 7-Way mates with OE style 7-Way blade connectors
- 5-Way mates with either a 4-Way or 5-Way flat connector

Part Number	Description	Packaging
787206	5-Flat Coiled Jumper w/4 Ft. Cable (5-Way Flat Car and Trailer Ends)	Bulk
787207	7-Way Trailer to 5-Flat Car End Coiled Jumper w/4 Ft. Cable	Bulk
787208	7-Way Trailer to 5-Way Flat Car End Coiled Jumper w/8 Ft. Cable	Bulk

787206

4 / 5 / 6 AND 7-WAY ADAPTERS
- Allows convenient connection to multiple trailers
- Simple plug-in installation

118704-050

118700-050

Part Number	Description	Packaging
118700-050	6-Pin Round To 4-Flat Adapter (50 pack)	Boxed
118702-050	7-Way Flat Pin To 4-Flat Adapter (50 pack)	Boxed
118709	7-Way Round Pin To 4-Flat Adapter	Clam
118710	7-Way European Style Round Pin to 4-Flat Adapter	Clam
118704-050	7-Way To 6-Pin Adapter, Electric Brakes To Outer Pin (S) (50 pack)	Boxed
118708-050	7-Way To 6-Pin Adapter, Electric Brakes To Center Pin (A) (50 pack)	Boxed
118703	7-Way To 5-Flat Adapter	Clam
20136	4-Flat To 5-Flat Adapter	Clam
118601	4-Flat Knockout Adapter	Clam

7-WAY TO CIGARETTE ADAPTER
- Provides 12v power at rear of vehicle for travel accessories
- Ideal for power inverter hook-up
- Great for tailgating

118019

Part Number	Description	Packaging
118019	7-Way to Cigarette Lighter Plug Adapter	Clam

7-WAY TO 4-WAY RETRACTABLE WIRING ADAPTER
- Converts 7-Way round blade connector to standard 4-way flat connector
- Adjust length up to 42 in., no wires dragging on the ground
- Retractable 4-Way flat car end plug connects with standard 4-Way flat trailer end plug
- Adapts to factory 7-Way blade receptacle
- Protects & stores when not in use

78007

Part Number	Description	Packaging
78007	7-Way to 4-Way Flat	Plastic Shroud

7-WAY BLADE TO 4-FLAT WITH LED CIRCUIT TESTER
- Easily adapt OEM 7-Way blade connector to either 5-Flat or a 4-Flat connector, patent pending
- Instantly checks electrical circuit for connectivity
- Displays connectivity using high visibility LEDs
- Attached dust cover included to keep terminals clean when not towing a trailer

78118

Part Number	Description	Packaging
78118	7-Way Blade to 4 or 5-Flat with LED Circuit Tester	Clam

Glows RED when tail light circuit is activated

78117

7-WAY TO 4-WAY WITH TOW-GLO

- Easily adapt OEM 7-Way blade connector to basic 4-Flat connector
- Glows RED when tail light circuit is activated assisting with seeing connection in low light
- Attached dust cover included to keep terminals clean when not towing a trailer

Part Number	Description	Packaging
78117	7-Way Blade to 4-Flat with Tow-Glo	Clam

118607

BRAKE MATE™ 7-WAY PRE-WIRED ADAPTERS

- Includes all necessary parts required to completely install all brake controls. No other parts are necessary.
- Each Brake Mate™ Kit includes:
  - Pre-wired 7-way round connector
  - Scotch locks (5 pcs.)
  - 4-flat trailer end
  - Ring connectors (7 pcs.)
  - Heavy-duty flasher
  - Self tapping screws (8 pcs.)
  - Heavy-duty breakers (2 pcs.)
  - Tie straps (6 pcs.)

Part Number	Description	Packaging
118607	7-Way Flat Pin Brake Mate Kit	Clam

20320-012

6-PIN AND 7-WAY ELECTRICAL ADAPTERS

- Used to convert any trailer wiring component, T-One® or tail light converter with a 4-Flat trailer end connector to a 6 or 7-Way round connector
- For simple mounting, choose 6 & 7-Way mounting box part numbers 118156, 118157 or 118159 (sold separately)

Part Number	Description	Packaging
20320-012	4-Flat To 6-Pin Connector - Metal (12 pack)	Bulk
20321-012	4-Flat To 7-Way Connector - Plastic (12 pack)	Bulk
20125	4-Flat To 7-Way Flat Pin U.S. Car Connector - Plastic	Clam

20321-012

118799

7-WAY PRE-WIRED ADAPTERS

- Used to convert any trailer wiring component, T-One® or tail light converter with a 4-Flat trailer end connector to a 7-Way round connector
- Each kit includes 20 ft. of wire
- For simple mounting, choose 7-Way mounting box part numbers 118156, 118157 or 118159 (sold separately)

Part Number	Description	Packaging
118799	7-Way Connector with Pre-Wired Brake Wire	Clam

54-18137

54-20045

50-77-070

50-77-071

50-77-075

118132

118149-010

CAR END MOUNTING BRACKETS

- Heavy duty plated steel brackets, featuring reinforcing beads or flanges for strength
- The black plated model can blend in with the black connector and black hitch for a clean consistent finish
- Combination brackets have a black, powder coat finish and are formed from 16 gauge steel for strength and durability
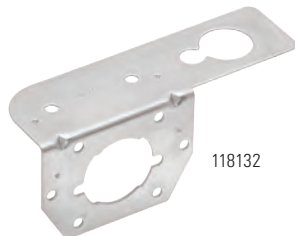- Combination brackets are for use with Bargman® branded 4-way and 5-way flat connectors

4 / 5 / 6-WAY FLAT CAR END CONNECTOR MOUNTING BRACKETS

Part Number	Description	Packaging
54-18137†	4, 5 and 6-Pin Round Black Mounting Bracket with Screws and Nuts	Bagged
54-20045†	5-Way Flat Black Mounting Bracket	Bagged

† = Available While Supplies Last.

7-WAY FLAT CAR END CONNECTOR MOUNTING BRACKETS

Part Number	Description	Packaging
50-77-070*	7-Way Bracket for Car End	Bulk
50-77-071*	7-Way Black Bracket for Car End	Bulk
54-20012	7-Way US Car Black Mounting Bracket with Screws and Nuts	Bagged

*NOTE: 50-77-070, 50-77-071, 54-77-071, 118138, 118138-010 brackets only fit the following car end connectors:

Bargman 7-Way Super Sealed Car Ends with Cable

Bargman 7-Way Thermoplastic or Metal Car End Connectors

Bargman 90° 7-Way Pre-Wired Cables

COMBINATION CONNECTOR MOUNTING BRACKET

Part Number	Description	Packaging
50-77-075†	7-Way and 5-Flat Mounting Bracket	Bagged

† = Available While Supplies Last.

4-WAY AND 6-WAY MOUNTING BRACKET

Part Number	Description	Packaging
118132	Mounting Bracket for 4 and 6-Way Round Connectors (Does Not Include Fasteners)	Bagged

4-WAY FLAT CAR END CONNECTOR MOUNTING BRACKETS

Part Number	Description	Packaging
118149-010	4-Flat Universal Mounting Bracket (10 pack)	Bulk

118140

Piece 1

118137

Piece 2
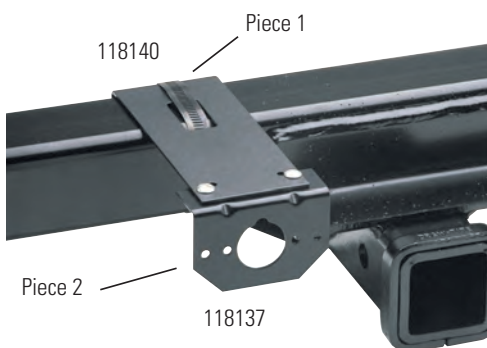
4 / 5 / 6 AND 7-WAY CONNECTOR MOUNTING BRACKETS

- The Bargman® line of mounting brackets allows for installation of electrical wiring plugs on vehicles without damage to bumpers or fascia trim
- Attachment brackets are designed to attach above or below receiver cross tube with hose clamp

118136 - Long Bracket

ATTACHMENT BRACKETS (PIECE 1 of 2)

- Attaches to cross tube of hitch

Part Number	Description	Packaging
118136	Attachment Bracket For 6 & 7-Way Round Connectors, Includes Clamp (Piece 1 of 2, Long Bracket)	Clam
118140	Attachment Bracket For 4-Flat, 5-Flat, 4-Way & 5-Way Round Connectors, Includes Clamp (Piece 1 of 2, Short Bracket)	Clam

118140 - Short Bracket

MOUNTING BRACKETS (PIECE 2 of 2)

- Mounts electrical connector to attachment bracket
- Includes screws and nuts
- Attractive point-of-purchase packaging

Part Number	Description	Packaging
118137-010	Mounting Bracket (10 pack)	Bulk
118138-010*	Mounting Bracket (10 pack)	Bulk
118144-010	Mounting Bracket (10 pack)	Bulk
20212-010	Mounting Bracket (10 pack)	Bulk
20046	Mounting Bracket For 5-Flat Connectors, (Piece 2 of 2)	Clam

118137-010

118138-010

NOTE: 50-77-070, 50-77-071, 54-77-071, 118138, 118138-010 brackets only fit the following car end connectors:

Bargman 7-Way Super Sealed Car Ends with Cable

Bargman 7-Way Thermoplastic or Metal Car End Connectors

Bargman 90° 7-Way Pre-Wired Cables
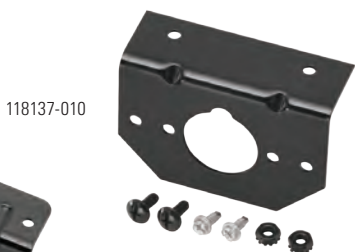
6-WAY AND 7-WAY PLUG HOLDER

- This holder is designed to house your 6-PIN or 7-Way trailer end connector safely out-of-the-way when disconnected from the tow vehicle
- Universal holder will accommodate either die cast, steel, plastic or molded trailer ends
- Black molded plastic holder mounts on the jack post with provided cable-ties or the attached adhesive strip and can be mounted on any flat surface with provided screws

50-98-003

Part Number	Description	Packaging
50-98-003	6-Pin and 7-Way Plug Holder	Bulk

74641

4-FLAT CONNECTOR STORAGE BOX AND COVER
- Neatly stores 4-Flat and 5-Flat connectors
- Easily installs with cable ties or screws (included)
- Weatherproof construction

Part Number	Description	Packaging
118145†	Connector Storage Box	Clam
74641	Connector Storage Box	Clam

† = Available While Supplies Last.

118156-010

118157-010

118159-010
Universal

6-PIN AND 7-WAY CONNECTOR MOUNTING BOXES
- No need to disconnect existing wiring
- No drilling
- Mounts with hose clamp included
- Corrosion free
- High impact plastic
- Fits all standard & U.S. car 7-Way connectors
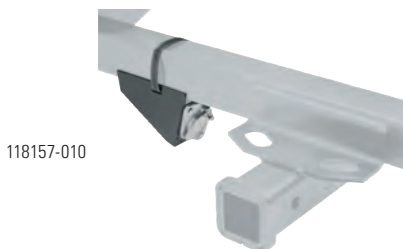
Part Number	Description	Packaging
118156-010	6-Pin and 7-Way Connector Mounting Box (10 pack)	Boxed
118157-010	6-Pin and 7-Way Connector Mounting Box (10 pack)	Boxed
118159-010	6-Way and 7-Way Connector Mounting Box (10 pack)	Boxed

14-715810

JUNCTION / BREAKER BOXES
- Provide a fast, simplified way of connecting wires from the trailer connector to the trailer wiring
- The box, complete with 5-Wire enter/exit ports, includes hardware, rubber grommets, and features external mounting flanges
- Dimensions: 3-1/4 in. x 6-1/2 in. x 2-1/4 in.

Part Number	Description	Packaging
14-715810	Junction Box	Bulk

NOTE: Most Bargman 7-Way cable products meet UL standards and are appropriately marked. If a non-UL listed cable will be used to connect tow vehicles to trailers capable of housing or transporting live occupants, Horizon Global recommends the use of a wiring Junction Box. This will provide a simplified method of connecting wire leads from the trailer connector to the UL listed trailer wiring.

TRAILER ELECTRICAL WIRING

TEKONSHA®

D-22

7-PIN ROUND AG CONNECTORS

- A discrete round 7-pin vehicle and implement connector for AG OEM and aftermarket use
- Vehicle side connector includes a mountable storage box
- Implement side connector includes a metal spring cable relief

787305

Part Number	Description	Packaging
787305	7-Pin Round Pin AG Vehicle Connector	Bulk
787303	7-Pin Round Pin AG Vehicle Connector	Clam
787304	7-Pin Round Pin AG Trailer Connector	Bulk
787302	7-Way Round Pin AG Trailer Connector	Clam

NOTE: Custom AG lighting and wiring kits are available.
Contact your Horizon Global Representative for requirements and minimum annual quantities.

7-WAY MOLDED TRAILER CONNECTORS WITH CABLE - TRAILER CLOCKING

- 7-way plastic connector molded to heavy duty 7-way insulated cable using trailer clocking
- Provides 7-way connector contact color coding more conducive to horse and livestock trailers versus RV trailers
- Made with self-cleaning contacts and molded to encapsulate terminals and wires to form one weather resistant, non-corrosive assembly
- Permits the trailer to have the clean appearance and environmental advantages of a sealed, molded 7-way cord
- Primary wire gauges within the insulated cable are: Black and White-10 gauge, Blue-12 gauge, Brown-Red-Green-Yellow-14 gauge

50-67-618

Part Number	Description	Packaging
50-67-614	7-Way Molded Trailer Cord w/4' Cable	Bulk
50-67-616	7-Way Molded Trailer Cord w/6' Cable	Bulk
50-67-618	7-Way Molded Trailer Cord w/8' Cable	Bulk
50-67-620	7-Way Molded Trailer Cord w/10' Cable	Bulk

Note: Reference Wiring Diagrams for Pin Locations

TANDEM HAUL ADAPTER

- The Tandem Haul Adapter allows implements to be towed in tandem, providing versatility and economy
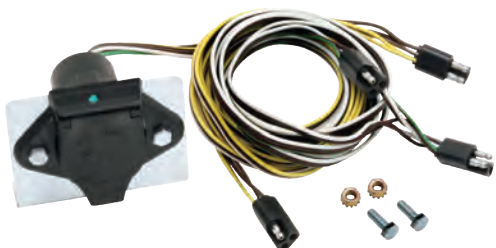
002625

Part Number	Description	Packaging
002500	Tandem Haul Adapter	Bulk
002625	Tandem Haul Kit	Bulk

NOTE: Custom AG lighting and wiring kits are available.
Contact your Horizon Global Representative for requirements and minimum annual quantities.

7-WAY AG PLUG HOLDER

105728

Part Number	Description	Packaging
105728	AG 7-Way Plug Holder	Clam

AG EXTENSION HARNESSES

- Install on towable field implements to bring power from the tractor to AG Lights
- Full length ground assures reliable and continuous operation
- Custom configurations and lengths available

002415

Part Number	Description	Packaging
002510	10' Heavy-Duty Wishbone Harness	Bulk
002408	5' Economy Extension Harness	Bulk
002410	10' Economy Extension Harness	Bulk
002415	15' Straight Section Harness w/7-Pin AG Plug and Flat 4-Way	Bulk
002425	25' Straight Section Harness w/7-Pin AG Plug and Flat 4-Way	Bulk
002430	30' Straight Section Harness w/7-Pin AG Plug and Flat 4-Way	Bulk
002435	35' Extension Harness	Bulk
002504	10' Economy Rear Wishbone Harness	Bulk
002505	15' Economy Rear Wishbone Harness	Bulk
002515	15' Heavy-Duty Rear Wishbone Harness	Bulk
54003-145	Ag Heavy-Duty Wishbone Harness, 1' Long for #108318	Bulk
54003-146	Ag Extension Harness, 11'6" Long Left Side, for use with #108318	Bulk
54003-147	Ag Extension Harness, 10'3" Long Right Side, for use with #108318	Bulk

002505

AG REPAIR HARNESSES
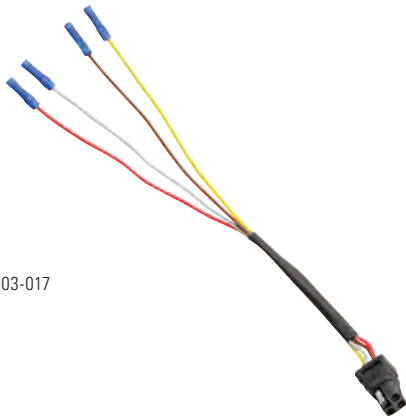
Part Number	Description	Packaging
54003-017	AG Repair Harness, 4 Wire w/4-Way Square Connector	Bulk
54003-018	AG Repair Harness, 4 Wire w/4-Way Square Connector	Bulk
54003-020	AG Repair Harness, 4 Wire w/4-Way Weatherpack Connector	Bulk

NOTE: Custom AG lighting and wiring kits are available. Contact your Horizon Global Representative for requirements and minimum annual quantities.

54003-017

AG LIGHT ENHANCED LIGHTING MODULES

- Install to meet the enhanced lighting standard and have a dramatic safety feature to better signal turns by tractors and implements

Part Number	Description	Packaging
54500-001	Module w/Wire Leads	Bulk
108318	Module w/Molded Plugs	Bulk
54500-002	Module w/Brake Light Signal Function w/Wire Leads	Bulk

108318

ELECTROTEK® NON-CONDUCTIVE DIELECTRIC SILICONE COMPOUND

- A dielectric compound used with electrical connections
- Prevent voltage loss from arcing and protect contacts from corrosion
- Suppresses radio frequency interference, dissipates heat, insulates trailer wiring connectors and seals out moisture
- Effective for automotive, RV and marine electrical applications
- Non-water soluble

Part Number	Description	Packaging
7200	Electrotek, 3 oz. Tube	Bulk

DIELECTRIC GREASE

- Using dielectric grease on electrical connectors helps prevent corrosion and increases reliability

Part Number	Description	Packaging
11755	Dielectric Grease, 2 oz. Tube	Boxed

BATTERY POST ADAPTER

- Battery post adapter for General Motors side post batteries
- Allows stud for attaching accessories wires

Part Number	Description	Packaging
3194-S	Battery Post Adapter	Clam

BATTERY ISOLATORS

- Cadmium plated isolator with terminal nuts and lock-washers
- 3 terminal isolator for metal frame ground systems, 4 terminal has insulated ground terminal for use with fiberglass or other non-conductive materials
- Isolates starting battery, provides secondary battery current for auxiliary power and full time charging of both batteries

Part Number	Description	Packaging
7000	Battery Isolator - 3 Terminal	Bulk
7001	Battery Isolator - 4 Terminal	Bulk
118665	Battery Isolation Solenoid, 3 Pole, 12 Volt (Chassis Ground)	Clam

7200

11755

3194-S

7000

7001

118665

TOW VEHICLE WIRING COMPONENTS, HEAVY DUTY FLASHERS AND RELAYS

38665-012

38666-010

38667-010

Part Number	Description	Packaging
38665-012	4 Terminal Relay, 12 Volt, 2007-Up Chevrolet Equinox, Pontiac Torrent & Suzuki XL-7/2008-Up Ford Escape, Mazda Tribute & Mercury Mariner (12 pack)	Bagged
38666-010	4 Terminal Relay, Small, 12 Volt, 2004-Up Infiniti QX56, Nissan Armada & Titan/2005-Up Nissan Frontier, Pathfinder & Xterra/2009-Up Suzuki Equator (10 pack)	Bagged
38667-010	6 Terminal Relay, Large, 12 Volt, 2004-Up Infiniti QX56, Nissan Armada & Titan/2005-Up Nissan Frontier, Pathfinder & Xterra/2009-Up Suzuki Equator (10 pack)	Bagged

CIRCUIT BREAKERS

7010A

7013A

- Used in 6V, 12V and 24V DC applications
- Automotive, RV, air conditioners, battery chargers, any application requiring over-current protection
- Non-corrosive molded cover eliminates grounding when operating against a fault line
- Includes mounting bracket and installed nuts and washers

Part Number	Description	Packaging
7010A	15 Amp Circuit Breaker	Bulk
7011A	20 Amp Circuit Breaker	Bulk
7012A	30 Amp Circuit Breaker	Bulk
7013A	40 Amp Circuit Breaker	Bulk
7022A	50 Amp Circuit Breaker	Bulk

HARDWARE COMPONENTS

002806

20035-025

Part Number	Description	Packaging
104429	Clip, Plastic Wire, Adhesive Back	Bulk
002802	Clip, Metal Wire	Bulk
002805	Nut, Wire (Large, 14-16 Gauge)	Bulk
002806	Tap, White Wire, Double Leads	Bulk
002807	Tap, Blue Wire, Single Leads	Bulk
20034-025	*Perm-A-Seal® Butt Connectors, 14-16 Gauge, Blue (25 pack)	Bagged
20035-025	*Perm-A-Seal® Butt Connectors, 10-12 Gauge, Yellow (25 pack)	Bagged

*Perm-A-Seal brand or comparable substitute

Tekonsha

54-6562

6565

8010

ELECTRICAL TESTERS

- Plug these testers into any car connector and you will have an instant test of running light circuits
- Features LED display to show completed circuit for the running lights, left turn signal and right turn signal
- Auxiliary and electric brake circuit are included on the 6-way tester and auxiliary, electric brake and battery charge are included with the 7-Way tester
- One piece units with internal ground
- Proper installation and set-up of a brake control, when a trailer is not readily available, is possible with the 7-Way tester
- Current Monitor testing device is designed to assist in determining whether a tow vehicle's 7-Way blade car end connector has been wired properly. (Current Monitor is an excellent diagnostic tool for installation, setup and troubleshooting of electric trailer brake controls)
- The Trailer Tester is designed to help you quickly identify problems in the wiring of the trailer. This is done by testing the Left Turn, Right Turn, Tail/Marker, Brake and Back Up circuits on the trailer. The tester indicates approximate amount of current in each circuit. It will also test the voltage of the external battery connected to the trailer charge circuit (i.e. trailer battery)
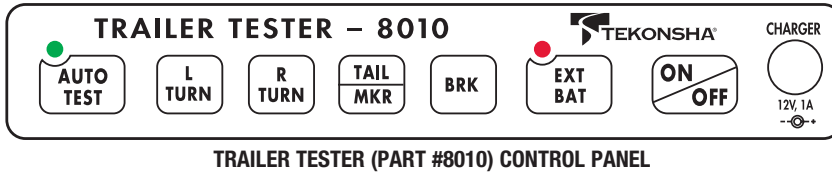
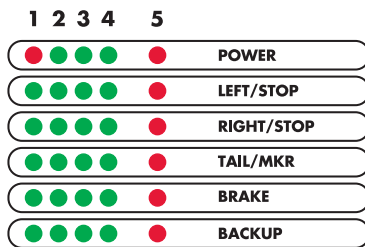| Part Number	Description	Packaging
54-6562†	7-Way Blade Tester and Trailer Emulator w/LED Display	Bagged
6565	Current Monitor	Bulk
8010	Trailer Tester, Includes Charger	Bulk

† = Available while supplies last.

CIRCUIT TESTERS

40376

Part Number	Description	Packaging
40376	Circuit Tester	Clam
3808	Economy Circuit Tester	Clam
74633	4-Flat Circuit Tester	Clam
20115	5-Flat Circuit Tester	Clam
20116	6-Pin Circuit Tester	Clam
20117	7-Way Circuit Tester	Clam
20145-010	LED Circuit Tester (10 pack)	Clam

20117

20145-010

TRAILER TESTER INSTRUCTIONS

TRAILER TESTER – 8010

AUTO TEST | L TURN | R TURN | TAIL MKR | BRK | EXT BAT | ON OFF | **TEKONSHA** | CHARGER 12V, 1A

TRAILER TESTER (PART #8010) CONTROL PANEL

The Trailer Tester (Part #8010) is designed to help you quickly identify problems in the wiring of the trailer such as opens, shorts, incorrect wiring, etc. This is done by testing the Left Turn, Right Turn, Tail/Marker, Brake and Back Up circuits on the trailer, by indicating the approximate amount of current used in each circuit. It will also test the voltage of the external battery connected to the trailer charge circuit (i.e. trailer battery).

1 2 3 4   5

- POWER
- LEFT/STOP
- RIGHT/STOP
- TAIL/MKR
- BRAKE
- BACKUP

NOTE: The above LED light reference numbers are used in the following instructions for all rows.

READ THIS FIRST:

Read and follow all trailer warnings and installation instructions before continuing.

1. Check to see that the mating surfaces of the trailer wiring connector matches the Trailer Tester connector. All connector surfaces should be clean and free of dirt. For proper operation, make sure the trailer tester battery is fully charged. Plug the trailer connector firmly into the Trailer Tester. Be sure that the connector is fully inserted.

2. Turn the tester ON by pressing the ON button. All LEDs will cycle in order from top to bottom and left to right and will flash once. The tester is ready for use.

3. INDICATOR "LED" LIGHTS – POWER ROW ONLY (Measuring the internal battery of the tester – LED will remain lit after power has been turned on)

- Green LEDs 2, 3 and 4 mean that the internal battery is OK to perform tests.
- Red LED 1 flashing means that the internal battery needs to be charged (see "Charging the Internal Battery" instructions below) or may need to be replaced.
- Red LED 5 indicates that the battery is faulty or overcharged. Battery may need to be replaced.

4. CHARGING THE INTERNAL BATTERY

⚠ **CAUTION**

ONLY USE THE CHARGER (part no. 8008) PROVIDED WITH THE 8010 TESTER

- When the charger is plugged into the charger socket, Red LED 5 on the Power Row flashes if the unit is ON.
- If the unit is OFF, no LEDs will be lit, but the battery will still charge.
- The LED on the charger is RED while charging.
- The LED on the charger will turn GREEN when the battery is fully charged.

NOTE: The trailer tester will not function while the internal battery is being charged.

5. MANUAL AND AUTO TEST – LEFT/STOP, RIGHT/STOP, TAIL, BRAKE, BACKUP CHANNELS

AUTO TESTING (measuring the amount of load on each channel):

- Press the AUTO TEST button. When pressed, its indicator Green LED begins to flash.
- Each channel will be tested from top to bottom
- Red LED 5 will flash as its channel is tested
- Green LED(s) will remain ON to indicate the amount of load. (See Step 6 for LED display load readouts)
- See Step 7 for LED fault indication readouts. MANUAL TESTING (visual test of trailer lighting)
- Depressing any manual button will cause that same channel to flash 11 times. This will allow you to walk around the trailer and confirm that lights are functioning properly.
- The Trailer Tester will automatically shut down after three minutes to conserve the battery.
- See Step 7 for LED fault indication readouts.

NOTE: To CLEAR THE DISPLAY or TURN OFF AUTO TEST, simply press the auto test button. Then you are ready to test again.

6. HOW TO READ THE LED DISPLAY (for approximate load readouts)

LEFT/STOP, RIGHT/STOP and BACKUP Load Readouts:
- Green LED 1 represents .25 amps
- Green LED 2 represents 2 amps
- Green LED 3 represents 3 amps
- Green LED 4 represents 4 amps

TAIL Load Readout:
- Green LED 1 represents .25 amps
- Green LED 2 represents 4 amps
- Green LED 3 represents 6 amps
- Green LED 4 represents 8 amps

BRAKE Load Readout:
- Green LED 1 represents 1 axle
- Green LED 2 represents 2 axles
- Green LED 3 represents 3 axles
- Green LED 4 represents 4 axles

NOTE: All current measurements are standard to RV.

7. FAULT INDICATION (See graph below)

- Red LED(s) 5 flashing on the affected channel represents: INTERCHANNEL SHORT OR REVERSED WIRES
- Red LED 5 solid on the affected channel represents: NO LOAD/OPEN CIRCUIT
- Green LEDs 1-4 and Red LED 5 all solid on the affected channel represents: OVERLOAD
- Green LEDs 1-4 and Red LED 5 flashing on the affected channel represents: SHORT CIRCUIT TO GROUND

8. EXTERNAL BATTERY (Measures the trailer battery's (if present) open circuit voltage)

- Press the EXT BAT button. When pressed, its indicator Red LED will light.
- Voltage will be displayed by lit LEDs in the Power Row only.
- Green LED's 2 and 3 mean that the external battery has normal voltage.
- Red LED 1 flashing means that the external battery needs to be charged or may need replacement.
- Red LED 5 indicates that the battery is faulty or overcharged. Battery may need replacement.

NOTE: This test will automatically stop after a few seconds and the red light will go out.

NOTE: This test does not indicate the amount of charge left in the trailer battery. (Excludes breakaway battery)

FAULT INDICATION GRAPH

DISPLAY 1 2 3 4 5	HOW TO READ THE FAULT ON AN AFFECTED CHANNEL
	INTER-CHANNEL SHORT BETWEEN THE FLASHING CHANNELS OR REVERSED WIRES
	NO LOAD OPEN CIRCUIT
	OVERLOAD
	SHORT CIRCUIT TO GROUND
	LOW BATTERY. CHARGE OR REPLACE (POWER ROW ONLY)

LEGEND
- ● CONSTANT ON
- ✷ RED LED FLASHING
- ○ RED LED OFF
- ● GREEN LED ON
- ✷ GREEN LED FLASHING
- ○ GREEN LED IS OFF

P/N 8007   REV B

TRAILER ELECTRICAL WIRING

Technical information is current as of the printing of this catalog. Contact technical service for periodic updates.

TEKONSHA   D-28

TRAILER LIGHTING

In 1934 the Wesbar® family of vehicle lighting and electrical products made its debut. Since that time, the brand has been a key ingredient to the success of some of the world's most legendary agricultural and industrial manufacturers. With offerings of both incandescent and LED lighting for vehicles and trailers, plus an extensive line of 12 volt electrical connection products, Wesbar® has continued to provide an all-encompassing selection of options for agricultural, industrial, marine, recreation and utility manufacturers. Wesbar® products are made waterproof, sealed, submersible and shock-resistant; everything you would expect when working in extreme environments.

Founded in 1931 to provide electrical connection products for the United States military, Bargman® has since become the brand of choice in the light-duty trailer and recreational vehicle markets. The lighting and vehicle electrical connection products have become a recognized brand and an invaluable partner to the commercial truck, light-duty trailer manufacturers and their respective aftermarkets. With specialization in assemblies with multiple connections, varying wire lengths and mixed technologies, Bargman® has become the RV industry's most widely known lights.

LED SURFACE MOUNT DOUBLE TAIL LIGHTS #84 / #85 SERIES

Bargman

- These LED double lights are available for surface mounting in vertical or horizontal applications
- Stylish bases with radius corners come in either black or chrome plated finish
- All lenses meet FMVSS/CMVSS 108 requirements
- Reflex is included on backup lens
- Pre-wired (supply and ground) for easy installation
- 10-1/4 in. x 7-1/4 in. x 1-7/8 in.

47-85-611

47-84-610

FEATURED

WATERPROOF LED OVER 80 IN. WRAP-AROUND TAIL LIGHTS

Wesbar

- Waterproof surface mount tail lights
- Wrap-around design eliminates the need for rear side marker
- These lights meet FMVSS/CMVSS 108 requirements
- Plug-in 12 in. harness with 2-way flat connector and ring terminal ground wire
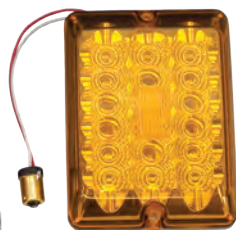- Stainless steel mounting hardware included
- 7.53 in. x 3.48 in. x 3.13 in.

281595

281594

LED MODULE KITS #84 / #85 / #86 SERIES TAIL LIGHTS

- LED module kit for existing #84 series tail lights
- Remove the bulb and lens, replace with new LED module and instantly have LED red stop/tail/turn lights, amber turn lights, clear backup lights or clear backup with reflex lights
- Installation can be completed in minutes with only a screwdriver required

47-84-410

47-84-412

47-84-026

Part Number	Description	Packaging
47-84-410	LED Stop/Tail/Turn Light Lens Module Red with Bulb Socket Plug	Bargman Bagged
47-84-412	LED Turn Light Lens Module Amber with Bulb Socket Plug	Bargman Bagged
47-84-026	LED Backup Light Lens Module Clear with Bulb Socket Plug - Lens Mounted Vertical	Bargman/Wesbar Bulk

ENHANCED HEIGHT INCANDESCENT LENS #84 / #85 / #86 SERIES TAIL LIGHTS - BACKUP (OR RED WITH RED INSERT LENS ONLY)

Part Number	Description	Packaging
47-84-711	Enhanced Height Incandescent Backup Lens Only - Red Reflex with Clear Center - Red Border	Bargman/Wesbar Bulk
47-85-711	Enhanced Height Incandescent Backup Lens Only - Red Reflex with Clear Center - Chrome Border	Bargman/Wesbar Bulk
47-84-712	Enhanced Height Incandescent Lens Only - Red Reflex with Red Center - Red Border	Bargman/Wesbar Bulk

47-84-711

48-85-711
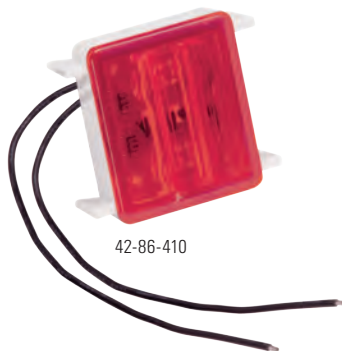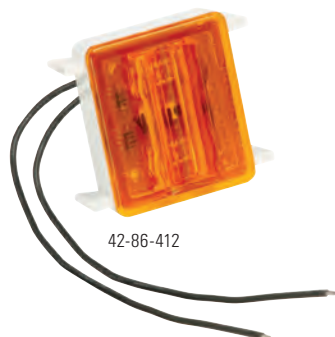
LED MODULE KIT #86 SERIES WRAP-AROUND CLEARANCE / SIDE MARKER LIGHTS

- LED module kit for existing #86 series wrap-around clearance/side marker lights
- Remove and discard only the wedge base socket and bulb, replace with a new LED module and instantly have LED clearance/side marker lights

42-86-410

42-86-412

Part Number	Description	Packaging
42-86-410	LED Wrap-Around Clearance Light Module Red	Bargman Clam
47-86-410†	LED Wrap-Around Clearance Light Module Red	Bargman Bagged
42-86-412	LED Wrap-Around Clearance Light Module Amber	Bargman Clam
47-86-412†	LED Wrap-Around Clearance Light Module Amber	Bargman Bagged

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

† = Available While Supplies Last.

47-86-101

47-84-420

LED SINGLE TAIL LIGHT #86 SERIES
- Meets FMVSS/CMVSS 108 requirements
- Bases are available in either white or black
- All include 16 gauge supply and ground wiring
- 5-13/16 in. x 4-3/8 in. x 2-7/8 in.

Part Number	Description	Packaging
47-86-101	LED Stop/Tail/Turn with Black Base	Bargman/Wesbar Bulk
Replacement Parts		
47-84-420	LED Stop/Tail/Turn Light Lens Module Red with Wires	Bargman Bagged

47-54-001

LED NARROW TAIL LIGHT #54 SERIES
- 3 diodes
- Designed for narrow rail surface mounting
- Built-in reflex reflectors and mounting holes with stainless steel grommets
- Meets FMVSS/CMVSS 108 requirements
- Pre-wired (supply and ground) for easy installation
- 15.84 in. x 2.29 in. - Mounting holes on 14.49 in. centers

Part Number	Description	Packaging
47-54-001	Red Stop/Tail/Turn	Bargman/Wesbar Bulk

54200-015

LED NARROW RED TAIL LAMP
- Featuring LED Technology, ,meets FMVSS/ CMVSS 108 requirements
- 14.1 in. x 1 in.

Part Number	Description	Packaging
54200-015	Narrow Red LED low and high function tail light	Wesbar Box
54200-016	Chrome Bezel for #54200-015	Wesbar Box

BARGMAN #84/85/86 LED LIGHTS
LED Tail Lights and Module Kit for the most popular RV Tail Light in the World! Purchase as fully-assembled complete tail lights for installation or purchase a LED Upgrade Module. The Module Kit will allow you to quickly and easily field upgrade your installed Bargman Model #84/85/86 Tail Lights or Model #86 Wrap-Around Marker/Clearance lights from Incandescent to LED.

MODULE KITS:
These kits are designed to allow RV and Trailer owners to upgrade their Bargman #84/ 85/86 Tail Lights or #86 Wrap-Around Marker/Clearance lights from Incandescent to LED - quickly and safely. Due to the many configurations of these Bargman light models, upgrade modules are sold to upgrade only one module at a time.

NOTE: For regulatory purposes, installation of any competitive LED Upgrade Module designed for the Bargman #84/85/86 Tail Lights will immediately void all warranty on the entire Bargman tail light.

#84 SERIES TAIL LIGHTS LED UPGRADE MODULES
The end-user will simply count the number of red stop/tail/turn lights, amber turn lights or backup lights on the vehicle and order the appropriate number of the desired LED upgrade modules. Then simply remove the incandescent lens and bulb and plug the LED module (LED circuit board with connector and lens) into the existing bulb socket and mount, with the existing screws, to the holes in the existing light base.

#86 SERIES MARKER LIGHT LED UPGRADE MODULE
The end-user will simply count the number of wrap-around clearance/ side marker lights on the vehicle and order the appropriate number of the desired LED upgrade kits. Then simply remove the lens and bulb and plug the LED module (LED circuit board) into the existing bulb socket and re-install the existing lens.

HOW TO ORDER
Fully assembled units:
Fully assembled LED versions of the Bargman #84/85/86 tail lights and #86 wrap-around clearance/side marker lights are listed. For convenience and consistency, we have listed them in the same manner that we list the incandescent models. Please note that the part numbers for all LED versions begin with 42/47/48.

WARNING: All Bargman #84/85/86 Tail Lights and #86 Wrap-Around Marker/Clearance lights meet FMVSS/CMVSS 108 requirements. WHEN UPGRADING EXISTING LIGHTS FROM INCANDESCENT TO LED, TO RETAIN FMVSS/ CMVSS 108 REQUIREMENTS, SPECIAL CARE MUST BE GIVEN TO REPLACE EXISTING LENS (OR TO ASSEMBLE MODULE) WITH A LED MODULE THAT WILL PERFORM THE EXACT SAME FUNCTION.

47-84-610

47-85-611

LED SURFACE MOUNT DOUBLE TAIL LIGHTS #84 / #85 SERIES
- Available for surface mounting in vertical or horizontal applications
- Stylish bases with radius corners come in either black or chrome plated finish
- All lenses meet FMVSS/CMVSS 108 requirements
- Reflex is included on backup lens
- Pre-wired (supply and ground) for easy installation
- 10-1/4 in. x 7-1/4 in. x 1-7/8 in.

Part Number	Description	Packaging
47-84-610	LED Red Stop/Tail/Turn, LED Red Stop/Tail/Turn with Black Base	Bargman/Wesbar Bulk
47-85-611	LED Red Stop/Tail/Turn, LED Red Stop/Tail/Turn with Chrome Base	Bargman/Wesbar Bulk
Replacement Parts		
47-84-420	LED Stop/Tail/Turn Light Lens Module Red with Wires	Bargman Bagged

47-84-103
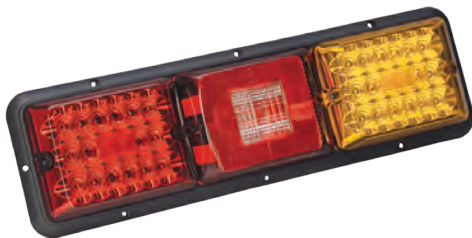
47-84-104

47-84-420

LED RECESSED TRIPLE LONG TAIL LIGHTS #84 / #85 SERIES
- Incorporates all of the features of the LED Recessed Triple Tail Light #84 Series/ #85 Series with a special lens placement that allows the light to be utilized for a narrow mounting
- Cutout: 16-1/8 in. x 3-5/8 in.
- Overall: 18 in. x 5-5/16 in. x 1-1/4 in. with 1 in. depth

Part Number	Description	Packaging
47-84-103	LED Red Stop/Tail/Turn, Incandescent Backup, LED Red Stop/Tail/Turn with Black Base	Bargman/Wesbar Bulk
47-84-104	LED Red Stop/Tail/Turn, Incandescent Backup, LED Amber Turn with Black Base	Bargman/Wesbar Bulk
Replacement Parts		
47-84-420	LED Stop/Tail/Turn Light Lens Module Red with Wires	Bargman Bagged
47-84-711	Enhanced Height Incandescent Backup Lens Only - Red Reflex with Clear Center - Red Border	Bargman/Wesbar Bulk
47-84-712	Enhanced Height Incandescent Lens Only - Red Reflex with Red Center - Red Border	Bargman/Wesbar Bulk

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

Wet Location Lighting Products

47-84-527

47-84-001

47-84-540

47-84-008

47-84-529

47-84-808

LED RECESSED DOUBLE TAIL LIGHTS
#84 / #85 SERIES

- LED double lights for either vertical or horizontal mounting
- Radius corners
- Black, white and colonial white bases
- Clear LED or incandescent backup light lenses are surrounded by a Class "A" red reflex lens. Incandescent lens, red with red insert, is for clearance/side marker application only
- All lenses meet FMVSS/CMVSS 108 requirements
- Pre-wired (supply and ground) for easy installation
- Cutout: 8-7/16 in. x 5-1/2 in.,
  Overall: 9-13/16 in. x 6-15/16 in. x 2-5/16 in. with 1 in. depth

Part Number	Description	Packaging
47-84-527	LED Red Stop/Tail/Turn, LED Red Stop/Tail/Turn with Black Base	Bargman/Wesbar Bulk
47-84-001	LED Red Stop/Tail/Turn, Incandescent Backup with Colonial White Base	Bargman/Wesbar Bulk
47-84-540	LED Red Stop/Tail/Turn, Incandescent Backup with White Base	Bargman/Wesbar Bulk
47-84-008	LED Red Stop/Tail/Turn, Incandescent Backup with Black Base	Bargman/Wesbar Bulk
47-84-529	LED Red Stop/Tail/Turn, Incandescent Red with Red Insert (Clearance/Side Marker Application Only) with Black Base	Bargman/Wesbar Bulk
47-84-808	LED Red Stop/Tail/Turn, Incandescent Backup with Black Base, 12" 4/Conductor Cord with 4-Way Square Connector	Bargman/Wesbar Bulk
Replacement Parts		
47-84-420	LED Stop/Tail/Turn Light Lens Module Red with Wires	Bargman Bagged
47-84-711	Enhanced Height Incandescent Backup Lens Only - Red Reflex with Clear Center - Red Border	Bargman/Wesbar Bulk
47-84-712	Enhanced Height Incandescent Lens Only - Red Reflex with Red Center - Red Border	Bargman/Wesbar Bulk

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

Wet Location Lighting Products

47-84-530

47-84-009

47-85-002

47-84-005

47-85-004

LED RECESSED TRIPLE TAIL LIGHTS
#84 / #85 SERIES

- LED triple lights for either vertical or horizontal mounting
- Radius corners
- Bases in black, white, colonial white and chrome plated finish
- Clear LED or incandescent backup light lenses surrounded by a Class "A" red reflex lens
- Incandescent lens, red with red insert, for clearance/side marker application only
- Lenses meet FMVSS/CMVSS 108 requirements
- Pre-wired (supply and ground) for easy installation
- Cutout: 12-11/16 in. x 5-1/2 in.,
  Overall: 14-1/16 in. x 6-15/16 in. x 1-1/4 in. with 1 in. depth

Part Number	Description	Packaging
47-84-530	LED Red, LED Red Stop/Tail/Turn, Incandescent Backup with White Base	Bargman/Wesbar Bulk
47-84-009	LED Red, LED Red Stop/Tail/Turn, Incandescent Backup with Black Base	Bargman/Wesbar Bulk
47-85-002	LED Red, LED Red Stop/Tail/Turn, incandescent Backup with Chrome Base	Bargman/Wesbar Bulk
47-84-005	LED Red Stop/Tail/Turn, LED Amber Turn, Incandescent Backup with Black Base	Bargman/Wesbar Bulk
47-85-004	LED Red Stop/Tail/Turn, LED Amber Turn, Incandescent Backup with Chrome Base	Bargman/Wesbar Bulk
Replacement Parts		
47-84-420	LED Stop/Tail/Turn Light Lens Module Red with Wires	Bargman Bagged
47-84-711	Enhanced Height Incandescent Backup Lens Only - Red Reflex with Clear Center - Red Border	Bargman/Wesbar Bulk
47-84-712	Enhanced Height Incandescent Lens Only - Red Reflex with Red Center - Red Border	Bargman/Wesbar Bulk

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

Wet Location Lighting Products

271574

271575

407540

WATERPROOF LED OVER 80 IN., 3X8 LOW PROFILE TAIL LIGHTS

- Meets FMVSS/CMVSS 108 requirements for trailers over 80 in. wide when properly mounted
- Includes stainless steel mounting hardware
- Includes 3-Wire plug-in harness with 12 in. wire leads and 7 in. ring terminal ground
- Kit comes complete with two low profile tail lights, 25 ft. trailer wiring harness cable with molded 4-way plug, 4 ft. four wire car wiring harness cable with molded 4-way plug and license plate bracket
- 8 in. x 3.5 in. x 3 in.

Part Number	Description	Packaging
271574	7-Function, Right/Curbside	Bargman/Wesbar Bulk
271575	8-Function, Left/Roadside	Bargman/Wesbar Bulk
31-407540	Trailer Light Kit	Bargman Clam
407540	Trailer Light Kit	Wesbar Packaging
Replacement Parts		
40-00-004	3 Wire 90° Pigtail with 12" Wire Lead	Bargman/Wesbar Bulk
003201	License Plate Bracket	Bargman/Wesbar Bulk
54504-001	Protective Tail Light Bracket	Wesbar Packaging
54504-003†	Protective Tail Light Bracket - Pair	Wesbar Packaging
002301	4' Wiring Harness with 4-Way Flat Car End	Bargman/Wesbar Bulk
108825	25' Wiring Harness with 4-Way Flat Trailer End	Bargman/Wesbar Bulk

† = Available While Supplies Last.

271594

271595

WATERPROOF LED OVER 80 IN. WRAP-AROUND TAIL LIGHTS

- Waterproof surface mount tail lights
- Wrap-around design eliminates the need for rear side marker
- Meets FMVSS/CMVSS 108 requirements
- Plug-in 12 in. harness with 2-Way flat connector and ring terminal ground wire
- Stainless steel mounting hardware included
- 7.53 in. x 3.48 in. x 3.13 in.

Part Number	Description	Packaging
271594	7-Function, Right/Curbside	Bargman/Wesbar Bulk
271595	8-Function, Left/Roadside	Bargman/Wesbar Bulk
281500 **NEW**	Wrap-Around Trailer Light Kit with 25' Wire Harness	Wesbar Packaging
Replacement Parts		
54504-001	Protective Tail Light Bracket	Wesbar Packaging
54504-003†	Protective Tail Light Bracket - Pair	Wesbar Packaging

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

† = Available While Supplies Last.

Wet Location Lighting Products

Bargman®

271584

271585

407560

WATERPROOF LED OVER 80 IN., 4X6 LOW PROFILE TAIL LIGHTS

- Unique, compact size and shape allows these waterproof lights to fit where space is limited
- Meets FMVSS/CMVSS 108 requirements for trailers over 80 in. wide when properly mounted
- Includes stainless steel mounting hardware
- 6 in. x 3-1/2 in. x 2-1/4 in.
- Kit comes complete with two low profile tail lights, 25 ft. trailer wiring harness cable with molded 4-Flat plug, 4 ft. four wire car wiring harness cable with molded 4-Flat plug and license plate bracket

Part Number	Description	Packaging
271584	7-Function, Right/Curbside	Bargman/Wesbar Bulk
271584-01	7-Function, Right/Curbside with 3 Wire Pigtail	Bargman/Wesbar Bulk
271585	8-Function, Left/Roadside	Bargman/Wesbar Bulk
271585-01	8-Function, Left/Roadside with 3 Wire Pigtail	Bargman/Wesbar Bulk
31-407560	Trailer Light Kit	Bargman Clam
407560	Trailer Light Kit	Wesbar Packaging
Replacement Parts		
40-00-004	3 Wire 90° Pigtail with 12" Wire Lead	Bargman/Wesbar Bulk
003201	License Plate Bracket	Bargman/Wesbar Bulk
54504-001	Protective Tail Light Bracket	Wesbar Packaging
54504-003†	Protective Tail Light Bracket - Pair	Wesbar Packaging
002301	4' Wiring Harness with 4-Flat Car End	Bargman/Wesbar Bulk
108825	25' Wiring Harness with 4-Flat Trailer End	Bargman/Wesbar Bulk

† = Available While Supplies Last.

47-01-031

54200-012

54200-018

WATERPROOF LED 4 IN. ROUND TAIL LIGHTS

- Featuring LED Technology
- Waterproof
- Meets FMVSS/CMVSS 108 requirements

Part Number	Description	Packaging
47-01-031	Red Stop/Tail/Turn Light with Grommet with Pigtail	Bargman Bagged
54200-012	Clear Lens LED Tail Lamp with Mounting Flange	Bargman Bulk
54200-018	Amber Lens LED Turn Lamp	Wesbar Bulk
Replacement Parts		
47-01-001	Stop/Tail/Turn Light 4" Round Red	Bargman/Wesbar Bulk
40-00-006	Pigtail	Bargman/Wesbar Bulk
40-01-020	4" Round Grommet	Wesbar Packaging
44-01-020†	4" Round Grommet	Bargman Bagged

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

† = Available While Supplies Last.

Wet Location Lighting Products

54004

50-767751

40-767758

WATERPROOF LED 6 IN. OVAL SURFACE FLANGE MOUNT TAIL LIGHTS

- Featuring LED Technology
- Waterproof
- Meets FMVSS/CMVSS 108 requirements
- Surface mounting with pre-wired supply and ring terminal ground for easy installation
- 7.50 in. x 3.28 in. x 0.82 in.

Part Number	Description	Packaging
54004	Red Stop/Tail/Turn with Black Flange with Chrome Trim Snap Ring	Wesbar Packaging
50-767751	Red Stop/Tail/Turn with Black Flange	Bargman/Wesbar Bulk
50-767752	Red Supplemental Center High Mount Stop Lamp with Black Flange	Bargman/Wesbar Bulk
40-767758	Amber Turn with Black Flange	Bargman/Wesbar Bulk
Accessory Part		
85-767010	Chrome Trim Snap Ring	Bargman/Wesbar Bulk

47-06-034

47-06-004

47-06-004

108119

WATERPROOF LED 6 IN. OVAL GROMMET MOUNT TAIL LIGHTS

- Featuring LED Technology
- Waterproof
- Meets FMVSS/CMVSS 108 requirements
- Lights are mounting-orientation specific. Mounting bracket of 11 gauge steel available separately
  6-1/2 in. x 2-5/16 in. x 7/8 in.

Part Number	Description	Packaging
47-06-034	Red Stop/Tail/Turn Light Horizontal Mount with Grommet with 90° Pigtail	Bargman Bagged
Replacement Parts		
47-06-004	Red Stop/Tail/Turn Light Horizontal Mount	Bargman/Wesbar Bulk
40-00-003	3 Wire Pigtail with 12" Wire Lead	Bargman/Wesbar Bulk
40-00-004	3 Wire 90° Pigtail with 12" Wire Lead	Bargman/Wesbar Bulk
40-06-020	6" Oval Grommet	Bargman/Wesbar Bulk
108119	6" Oval Mounting Bracket	Bargman/Wesbar Bulk
401591	6" Oval Grommet and 3 Wire 90° Pigtail	Wesbar Packaging

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

Wet Location Lighting Products

273006

273056

287512

SUBMERSIBLE LED UNDER 80 IN. COMBINATION TAIL LIGHTS

- Ideal for boat and PWC trailers less than 80 in. wide
- Meets FMVSS/CMVSS 108 requirements
- Stud mounted using 2 in. O.C. industry standard stud configuration
- Pre-wired (supply and ground) for easy installation, 5.12 in. x 4.50 in. x 1.85 in. with 0.86 in. depth
- Complete kit comes complete with two low profile tail lights, 25 ft. trailer wiring harness cable with molded 4-Flat plug, 4 ft. four wire car wiring harness cable with molded 4-Way plug and license plate bracket

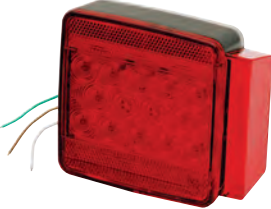| Part Number	Description	Packaging
273006	7-Function, Left/Roadside	Bargman/Wesbar Bulk
273056	6-Function, Right/Curbside	Bargman/Wesbar Bulk
287512	Trailer Light Kit with 25' Wire Harness	Wesbar Packaging
Replacement Parts		
54504-001	Protective Tail Light Bracket	Wesbar Packaging
54504-003†	Protective Tail Light Bracket - Pair	Wesbar Packaging

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

† = Available While Supplies Last.

54006

273561

273564

273565

WATERPROOF LED 6 IN. OVAL GROMMET MOUNT TAIL LIGHTS

- Featuring LED Technology
- 10 diodes
- Waterproof
- Meets FMVSS/CMVSS 108 requirements
- Approved for vertical or horizontal mounting
- Grommet, 3 prong wiring pigtail and 11 gauge steel mounting bracket available separately, 6.42 in. x 2.28 in. x 1 in.

Part Number	Description	Packaging
54006	Red Stop/Tail/Turn Light with Grommet with 3 Wire 90° Pigtail	Wesbar Packaging
273561	Red Stop/Tail/Turn Light	Bargman/Wesbar Bulk
273564	Amber Turn Light	Bargman/Wesbar Bulk
273565	White Backup Light	Bargman/Wesbar Bulk
Replacement Parts		
40-00-003	3 Wire Pigtail with 12" Wire Lead	Bargman/Wesbar Bulk
40-00-004	3 Wire 90° Pigtail with 12" Wire Lead	Bargman/Wesbar Bulk
44-06-020†	6" Oval Grommet	Bargman/Wesbar Bulk
108119	6" Oval Mounting Bracket	Bargman/Wesbar Bulk
401591	6" Oval Grommet and 3 Wire 90° Pigtail	Wesbar Packaging

† = Available While Supplies Last.

Wet Location Lighting Products

273008

273058

SUBMERSIBLE LED OVER 80 IN. COMBINATION TAIL LIGHTS

- Ideal for boat and PWC trailers
- Meets FMVSS/CMVSS 108 requirements for trailers over 80 in. wide when properly mounted
- Stud mounted using 2 in. O.C. industry standard stud configuration
- Pre-wired (supply and ground) for easy installation, 5.48 in. x 4.50 in. x 1.85 in. with 0.86 in. depth

Part Number	Description	Packaging
273008	8 Function Left/Roadside	Bargman/Wesbar Bulk
273058	7 Function Right/Curbside	Bargman/Wesbar Bulk
283500 NEW	Trailer Light Kit with 25' Wire Harness	Wesbar Packaging
Replacement Parts		
54504-001	Protective Tail Light Bracket	Wesbar Packaging
54504-003†	Protective Tail Light Bracket - Pair	Wesbar Packaging

† = Available While Supplies Last.

54209-001

54209-025

LED WORK LIGHTS

- Perfect for exterior use in AG, horse, livestock, RV, industrial and racing applications
- Environmentally sealed design with aluminum housing and stainless steel mounting stud
- High power, true white 9-36V, 10W light emission
- Rectangular version with 10 LED diodes, circular model has 8 LED diodes
- Circular: 4.5 in. diameter x 1.50 in. depth
- Rectangular: 4 in. x 4 in. x 1.50 in. depth

Part Number	Description	Packaging
54209-001	Circular LED Light, 8 Diodes	Bulk
54209-002	Rectangular LED Light, 10 Diodes	Bulk
54209-025	Rectangular LED Light, 10 Diodes with Molded 2-Flat Plug	Bulk

54209-017

54209-018

LED WORK LIGHTS WITH COILED CORD AND MAGNETIC BASE

- Perfect for exterior use in AG, horse, livestock, RV, industrial and racing applications
- Environmentally sealed design with 19 ft. extended coiled cord
- Magnetic base, with protective film, secures in high vibration conditions in a vertical or horizontal position
- Power adapter for 12V outlet with separate on/off switch
- High power, true white 9-36V, 10W light emission
- Rectangular version with 10 LED diodes, circular model has 8 LED diodes
- Circular: 4.50 in. diameter x 1.875 in. depth
- Rectangular: 4 in. x 4 in. x 1.75 in. depth

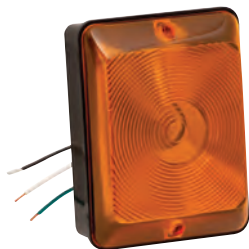| Part Number	Description	Packaging
54209-017	Circular LED Light, with Cord, Magnetic Base, 8 Diodes	Bulk
54209-018	Rectangular LED Light, with Cord, Magnetic Base, 10 Diodes	Bulk

30-86-101

SINGLE SERIES TAIL LIGHTS #86 SERIES

- Meets FMVSS/CMVSS 108 requirements
- Backup light has a clear lens surrounded by a Class "A" reflector
- Bases are available in either white or black
- All include J-slot bayonet sockets for dependable flicker-free operation and 16 gauge supply and ground wiring
- 5-13/16 in. x 4-3/8 in. x 2-7/8 in., Cutout: 5-7/8 in. x 5-1/2 in.

Part Number	Description	Packaging
30-86-101	Red Stop/Tail/Turn with Black Base	Bargman/Wesbar Bulk
30-86-103	Backup Vertical Mount with Black Base	Bargman/Wesbar Bulk
30-86-107	Amber Turn with Black Base	Bargman Bulk
Replacement Parts		
30-90-156	Bulb #1156, Single Filament	Bargman/Wesbar Bulk
30-84-057	Bulb #2057, Double Filament	Bargman/Wesbar Bulk
34-84-010	Lens Red	Bargman Bagged
34-84-016	Lens Amber	Bargman Bagged
34-84-700	Lens Backup - Lens Mounted Vertical	Bargman Bagged
34-84-711	Lens Backup - Lens Mounted Horizontal	Bargman Bagged
30-84-075	Tail Light Lens Screw	Bargman/Wesbar Bulk

30-86-103

30-86-107

30-86-005

WRAP-AROUND CLEARANCE / SIDE MARKER LIGHTS #86 SERIES

- Meets lighting requirements for side markers and clearance lights and doubles as a Class "A" side-reflex reflector
- The light meets FMVSS/CMVSS 108 requirements
- Bases are available in either white or black
- The molded socket with two wires protects bulb from road shock and the molded grommet protects the wiring
- 5-3/4 in. x 4-3/8 in. x 2-3/16 in.

Part Number	Description	Packaging
30-86-005	Red with Colonial White Base	Bargman/Wesbar Bulk
34-86-202	Red with Black Base	Bargman Bagged
34-86-203	Amber with Black Base	Bargman Bagged
Replacement Parts		
34-86-711	Lens #86 Red Wrap Around	Bargman Bagged
34-86-712	Lens #86 Amber Wrap Around	Bargman Bagged
30-84-075	Marker Light Lens Screw	Bargman/Wesbar Bulk

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

34-86-202

34-86-203

30-84-001

30-84-540

30-84-008

30-84-508

30-84-547

30-84-527

RECESSED DOUBLE TAIL LIGHTS #84 SERIES

- Available for vertical or horizontal mounting
- Come in black, white and colonial white
- Clear backup light lenses are surrounded by a Class "A" red reflex lens
- All lenses meet FMVSS/CMVSS 108 requirements
- All include J-slot bayonet sockets for dependable flicker-free operation and 16 gauge supply and ground wiring
- Cutout: 8-7/16 in. x 5-1/2 in.
  Overall: 9-13/16 in. x 6-15/16 in. x1-1/4 in. with 1 in. depth

Part Number	Description	Packaging
30-84-001	Horizontal Mount with Red Stop/Tail/Turn, Backup Lens with Colonial White Base	Bargman/Wesbar Bulk
30-84-540	Horizontal Mount with Red Stop/Tail/Turn, Backup Lens with White Base	Bargman/Wesbar Bulk
30-84-008	Horizontal Mount with Red Stop/Tail/Turn, Backup Lens with Black Base	Bargman/Wesbar Bulk
30-84-508	Vertical Mount with Red Stop/Tail/Turn, Backup Lens with Black Base	Bargman/Wesbar Bulk
30-84-547	Red/Red Stop/Tail/Turn with White Base	Bargman/Wesbar Bulk
30-84-527	Red/Red Stop/Tail/Turn with Black Base	Bargman/Wesbar Bulk
30-84-529	Red Stop/Tail/Turn, with Red Insert (Clearance/Side Marker Application Only) with Black Base	Bargman/Wesbar Bulk
Replacement Parts		
30-90-156	Bulb #1156, Single Filament	Bargman/Wesbar Bulk
30-84-057	Bulb #2057, Double Filament	Bargman/Wesbar Bulk
34-84-010	Lens Red	Bargman Bagged
34-84-016	Lens Amber	Bargman Bagged
34-84-700	Lens Backup - Lens Mounted Vertical	Bargman Bagged
34-84-711	Lens Backup - Lens Mounted Horizontal	Bargman Bagged
34-85-750	Lens Red with Red Insert (Clearance/Side Marker Application Only)	Bargman Bagged
30-84-075	Tail Light Lens Screw	Bargman/Wesbar Bulk

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.
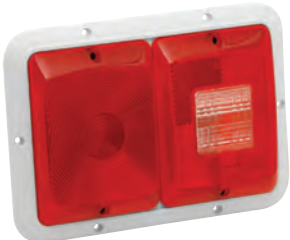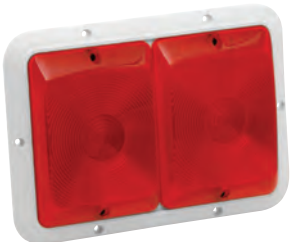
30-84-002

30-84-009

30-84-523

RECESSED TRIPLE TAIL LIGHTS
#84 / #85 SERIES
- Available for either vertical or horizontal mounting
- Clear backup light lenses are surrounded by a Class "A" red reflex lens
- All lenses meet FMVSS/CMVSS 108 requirements
- All include J-slot bayonet sockets for dependable flicker-free operation and 16 gauge supply and ground wiring
- Cutout: 12-11/16 in. x 5-1/2 in.
  Overall: 14-1/16 in. x 6-15/16 in. x 1-1/4 in. with 1 in. depth
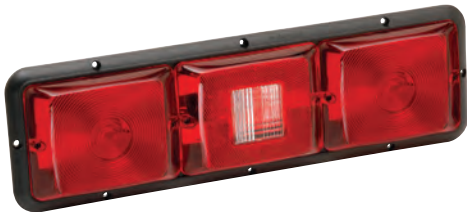
Part Number	Description	Packaging
30-84-002	Horizontal Mount with Red, Red Stop/Tail/Turn, Backup with Colonial White Base	Bargman/Wesbar Bulk
30-84-009	Horizontal Mount with Red, Red Stop/Tail/Turn, Backup with Black Base	Bargman/Wesbar Bulk
30-85-002	Horizontal Mount with Red, Red Stop/Tail/Turn, Backup with Chrome Base	Bargman/Wesbar Bulk
30-84-523	Vertical Mount with Red/Red Stop/Tail/Turn, Backup with White Base	Bargman/Wesbar Bulk
30-84-509	Vertical Mount with Red/Red Stop/Tail/Turn, Backup with Black Base	Bargman/Wesbar Bulk
Replacement Parts		
30-90-156	Bulb #1156, Single Filament	Bargman/Wesbar Bulk
30-84-057	Bulb #2057, Double Filament	Bargman/Wesbar Bulk
34-84-010	Lens Red	Bargman Bagged
34-84-016	Lens Amber	Bargman Bagged
34-84-700	Lens Backup - Lens Mounted Vertical	Bargman Bagged
34-84-711	Lens Backup - Lens Mounted Horizontal	Bargman Bagged
34-85-750	Lens Red with Red Insert (Clearance/Side Marker Application Only)	Bargman Bagged
30-84-075	Tail Light Lens Screw	Bargman/Wesbar Bulk

RECESSED TRIPLE LONG TAIL LIGHTS
#84 / #85 SERIES
- Incorporates all of the features of the Recessed Triple Tail Light #84 Series/ #85 Series with a special lens placement that allows the light to be utilized for a narrow mounting
- Cutout: 16-1/8 in. x 3-5/8 in.
- Overall: 18 in. x 5-5/16 in. x 1-1/4 in. with 1 in. depth

30-84-103

30-84-104

Part Number	Description	Packaging
30-84-103	Horizontal Mount Red Stop/Tail/Turn, Incandescent Backup, Red Stop/Tail/Turn with Black Base	Bargman/Wesbar Bulk
30-84-104	Horizontal Mount Red Stop/Tail/Turn, Incandescent Backup, Amber Turn with Black Base	Bargman/Wesbar Bulk
30-84-554	Vertical Mount Red Stop/Tail/Turn, Incandescent Backup, Amber Turn with Black Base	Bargman/Wesbar Bulk
Replacement Parts		
30-90-156	Bulb #1156, Single Filament	Bargman/Wesbar Bulk
30-84-057	Bulb #2057, Double Filament	Bargman/Wesbar Bulk
31-84-010	Lens Red	Bargman Bagged
31-84-711	Lens Backup - Lens Mounted Horizontal	Bargman Bagged
30-84-075	Tail Light Lens Screw	Bargman/Wesbar Bulk

30-92-106

SURFACE MOUNT TAIL LIGHTS #92 SERIES

- Available with or without backup lens
- Maximum design and replacement flexibility
- White or black bases
- All include automotive corrosion resistant bulb sockets and 16 gauge supply and ground wiring
- These lights meet FMVSS/CMVSS 108 requirements
- Easy installation and long life
- Designed for horizontal, surface mounting only
- 8-9/16 in. x 4-9/16 in. x 2-1/8 in.
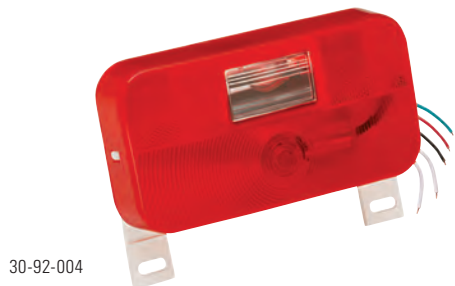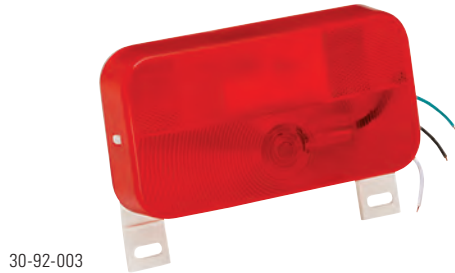
30-92-003

30-92-108

Part Number	Description	Packaging
30-92-001	Stop/Tail/Turn Light Surface Mount #92 with White Base	Bargman/Wesbar Bulk
30-92-106	Stop/Tail/Turn Light Surface Mount #92 with Black Base	Bargman/Wesbar Bulk
30-92-003	Stop/Tail/Turn Light Surface Mount #92 with License Light and Bracket with White Base	Bargman/Wesbar Bulk
30-92-108	Stop/Tail/Turn Light Surface Mount #92 with License Light and Bracket with Black Base	Bargman/Wesbar Bulk
30-92-002	Stop/Tail/Turn Light Surface Mount #92 with Backup with White Base	Bargman/Wesbar Bulk
30-92-107	Stop/Tail/Turn Light Surface Mount #92 with Backup with Black Base	Bargman/Wesbar Bulk
30-92-004	Stop/Tail/Turn Light Surface Mount #92 with Backup with License Light and Bracket with White Base	Bargman/Wesbar Bulk
30-92-109	Stop/Tail/Turn Light Surface Mount #92 with Backup with License Light and Bracket with Black Base	Bargman/Wesbar Bulk
30-92-044	Tail Light 15 Degree Wedge Base for #92 Series, White #7, 9" x 5 1/8" x 1 1/2"	Bargman/Wesbar Bulk
Replacement Parts		
30-90-156	Bulb #1156, Single Filament	Bargman/Wesbar Bulk
30-90-157	Bulb #1157, Double Filament	Bargman/Wesbar Bulk
30-92-012	Lens for 30-92-001, 106	Bargman/Wesbar Bulk
30-92-704	Lens for 30-92-002, 107	Bargman/Wesbar Bulk
30-92-708	Lens for 30-92-003, 108	Bargman/Wesbar Bulk
30-92-713	Lens for 30-92-004, 109	Bargman/Wesbar Bulk

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

30-92-002

30-92-004

30-92-109

2423293

2423294

COMBINATION OVER 80 IN. TAIL LIGHTS #80 SERIES

- Universal 2 in. on center stud mounting
- Screw-on main and side marker lens allow for easy bulb replacement
- Meets FMVSS/CMVSS 108 requirements for trailers over 80 in. wide when properly mounted
- Wiring uses the quick connect and disconnect feature
- 6.09 in. x 4.59 in. x 2.87 in.

Part Number	Description	Packaging
2423293	8-Function, Left/Roadside	Bargman/Wesbar Bulk
2423294	7-Function, Right/Curbside	Bargman/Wesbar Bulk
Replacement Parts		
108891	Bulb #193	Bargman/Wesbar Bulk
30-90-157	Bulb #1157, Double Filament	Bargman/Wesbar Bulk
2423286	Lens, Tail Light	Bargman/Wesbar Bulk
2423297	Lens, Red, Clearance/Side Marker	Bargman/Wesbar Bulk
54504-001	Protective Tail Light Bracket	Wesbar Packaging
54504-003†	Protective Tail Light Bracket - Pair	Wesbar Packaging

† = Available While Supplies Last.

2423273

PEDESTAL MOUNT TAIL LIGHTS

- Requires a 1/2 in. hole for stud mounting
- All mounting hardware included
- For easy installation the lights feature pre-wired supply wires and are self-grounding
- Red or amber snap-on acrylic lens and black acrylic cover
- Meets FMVSS/CMVSS 108 requirements and meets ASABE 4 Candle Power to the side amber light requirements
- 4.28 in. diameter x 2.16 in.

Part Number	Description	Packaging
2423273	Double Face: Amber Marker/Turn - Amber Marker/Turn	Bargman/Wesbar Bulk
2423274	Double Face: Red Stop/Tail/Turn - Amber Marker/Turn	Bargman/Wesbar Bulk
2423275	Single Face: Red Stop/Tail/Turn - Black	Bargman/Wesbar Bulk
Replacement Parts		
30-90-156	Bulb #1156, Single Filament	Bargman/Wesbar Bulk
30-90-157	Bulb #1157, Double Filament	Bargman/Wesbar Bulk

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

2423274

2423275

2423283

2423284

2823285

73864

COMBINATION UNDER 80 IN. TAIL LIGHTS #80 SERIES

- Universal 2 in. on center stud mounting
- Screw-on main and side marker lens allow for easy bulb replacement
- Designed for a variety of under 80 in. light-duty trailers
- Wiring uses the quick connect and disconnect feature
- Meets FMVSS/CMVSS 108 requirements
- 4-3/4 in. x 4-1/2 in. x 2-9/16 in.
- Complete kit with two tail lights, two amber clearance/side marker lights with reflex lens, 20 ft. or 25 ft. trailer wiring harness cable with molded 4-way flat prong plug, 4 ft. car wiring harness cable with molded 4-Way flat prong plug plus license plate bracket

Part Number	Description	Packaging
2423283	7-Function, Left/Roadside	Bargman/Wesbar Bulk
2423284	6-Function, Right/Curbside	Bargman/Wesbar Bulk
31-2823285	Trailer Light Kit with 25' Wire Harness, with Rectangular Clearance/Side Marker Lights	Bargman Clam
2823285	Trailer Light Kit with 25' Wire Harness, with Rectangular Clearance/Side Marker Lights	Wesbar Packaging
407500	Trailer Light Kit with 20' Wire Harness, with o Clearance/Side Marker Lights	Wesbar Packaging
Replacement Parts		
108891	Bulb #193	Bargman/Wesbar Bulk
30-90-157	Bulb #1157, Double Filament	Bargman/Wesbar Bulk
2423286	Lens, Tail Light	Bargman/Wesbar Bulk
2423287	Lens, Red, Clearance/Side Marker	Bargman/Wesbar Bulk
003201	License Plate Bracket	Bargman/Wesbar Bulk
54504-001	Protective Tail Light Bracket	Wesbar Packaging
54504-003†	Protective Tail Light Bracket - Pair	Wesbar Packaging
002301	4' Wiring Harness with 4-Way Flat Car End	Bargman/Wesbar Bulk
002220	20' Wiring Harness with 4-Way Flat Trailer End	Bargman/Wesbar Bulk

† = Available While Supplies Last.

MAGNETIC TOW LIGHT KIT

- 4-Flat hookup
- Mounts in any position vertically or horizontally
- Sealed, watertight housing
- 26 ft. connector
- Plastic carrying case included

Part Number	Description	Packaging
73864	Magnetic Tow Light Kit (Plastic Carrying Case)	Clam

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

† = Available While Supplies Last.

WESBAR

44-01-031

WATERPROOF / SEALED RECESSED TAIL LIGHTS #01 SERIES

- Hermetically sealed lens prevents corrosion contributed by salt and rain
- Structurally immune to extreme heat and cold
- Lenses meet FMVSS/CMVSS 108 requirements
- Rubber grommet and three wire pigtail can be purchased separately or as a kit
- 4-1/4 in. diameter x 2-1/16 in. depth
- Cutout:
  1) 4-9/16 in. +/- 1/32 in. with grommet when using steel 16 gauge or thicker steel
  2) 4-1/2 in. +/- 1/32 in. with grommet when using fiberglass or 18 gauge or thinner steel

Part Number	Description	Packaging
44-01-031	Red Stop/Tail/Turn Light with Grommet with Standard Pigtail	Bargman Bagged
Replacement Parts		
40-01-001	Red Stop/Tail/Turn Light	Bargman/Wesbar Bulk
40-01-003	Clear Backup Light	Bargman/Wesbar Bulk
40-00-003	3 Wire Pigtail with 12" Wire Lead	Bargman/Wesbar Bulk
40-00-004	3 Wire 90° Pigtail with 12" Wire Lead	Bargman/Wesbar Bulk
40-01-020	4" Round Grommet	Bargman/Wesbar Bulk

2423058

2423008

SUBMERSIBLE OVER 80 IN. TAIL LIGHTS

- Ideal for boat and PWC trailers over 80 in. wide
- Fully gasketed, screw on main and side marker lenses allow for easy bulb replacement
- Universal 2 in. on-center stud mount
- Meets FMVSS/CMVSS 108 requirements for trailers over 80 in. wide when properly mounted
- Pre-wired for easy installation
- 6.29 in. x 4.66 in. x 3.76 in. overall height

Part Number	Description	Packaging
2423058	7-Function, Right/Curbside	Bargman/Wesbar Bulk
2423008	8-Function, Left/Roadside	Bargman/Wesbar Bulk
2423500 **NEW**	Trailer Light Kit with 25' Wire Harness	Wesbar Packaging
Replacement Parts		
108891	Bulb #193	Bargman/Wesbar Bulk
30-90-157	Bulb #2057, Double Filament	Bargman/Wesbar Bulk
2423286	Lens Red, Tail Light	Bargman/Wesbar Bulk
54001	Lens Red, Tail Light with Screws (Bagged)	Bargman/Wesbar Bulk
2423287	Lens Red, Clearance/Side Marker	Bargman/Wesbar Bulk
54003	Lens Red, Clearance/Side Marker with Screws (Bagged)	Bargman/Wesbar Bulk

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

Wet Location Lighting Products

006554

006504

106411

106410

007509

WATERPROOF OVER 80 IN. 3X8 LOW PROFILE TAIL LIGHTS

- Reliable waterproof design
- Bulb replaceable capsule protects the bulbs from corrosion and thermal shock but still allows for easy access for bulb replacement
- Meets FMVSS/CMVSS 108 requirements for trailers over 80 in. wide when properly mounted
- 8.03 in. x 2.94 in. x 2.83 in.
- The kit comes complete with two tail lights, two sealed amber surface mount clearance/side marker lights with reflex lens, 25 ft. trailer wiring harness cable with molded four prong plug, 4 ft. four wire car wiring harness cable with molded 4-Flat plug plus license plate bracket

Part Number	Description	Packaging
006554	7-Function, Right/Curbside, Two Supply Wires and Ring Terminal Ground	Bargman/Wesbar Bulk
006504	8-Function, Left/Roadside, Two Supply Wires and Ring Terminal Ground	Bargman/Wesbar Bulk
106411	7-Function, Right/Curbside, Trailer Ground Connection with Molded 2-Way Plug and Ring Terminal Ground	Bargman/Wesbar Bulk
106410	8-Function, Left/Roadside, Trailer Ground Connection with Molded 2-Way Plug and Ring Terminal Ground	Bargman/Wesbar Bulk
007539	Trailer Light Kit with 25' Wire Harness	Bargman/Wesbar Bulk
Replacement Parts		
108891	Bulb #193	Bargman/Wesbar Bulk
30-84-057	Bulb #2057, Double Filament	Bargman/Wesbar Bulk
102641†	Lens Red, Tail Light	Bargman/Wesbar Bulk
102639†	Lens Red, Clearance/Side Marker	Bargman/Wesbar Bulk
90-03-336	Lens Set Red, (2) Tail Light and (2) Clearance/Side Marker with Screws	Bargman Bagged
403336	Lens Set Red, (2) Tail Light and (2) Clearance/Side Marker with Screws	Wesbar Packaging
003101	Clearance Light Amber with Black Stud Mount Base	Bargman/Wesbar Bulk
003201	License Plate Bracket	Bargman/Wesbar Bulk
002301	4' Wiring Harness with 4-Way Flat Car End	Bargman/Wesbar Bulk
108825	25' Wiring Harness with 4-Way Flat Trailer End	Bargman/Wesbar Bulk

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

† = Available While Supplies Last.

Wet Location Lighting Products

2423056

2423006

2527511

413560

44-06-032

SUBMERSIBLE UNDER 80 IN. TAIL LIGHTS

- Ideal for boat and PWC trailers less than 80 in. wide
- Fully gasketed, screw on main and side marker lens allow for easy bulb replacement
- Universal 2 in. on-center stud mount
- 5.25 in. x 4.66 in. x 3.76 in. overall height
- The kit comes complete with two tail lights, two sealed amber surface mount clearance/side marker lights with reflex lens, 25 ft. trailer wiring harness cable with molded four prong plug, 4 ft. four wire car wiring harness cable with molded 4-way plug plus license plate bracket

Part Number	Description	Packaging
2423056	6-Function, Right/Curbside	Bargman/Wesbar Bulk
2423006	7-Function, Left/Roadside	Bargman/Wesbar Bulk
2527511	Trailer Light Kit with 25' Wire Harness	Wesbar Packaging
Replacement Parts		
108891	Bulb #193	Bargman/Wesbar Bulk
30-90-157	Bulb #2057, Double Filament	Bargman/Wesbar Bulk
2423286	Lens Red, Tail Light	Bargman/Wesbar Bulk
54001	Lens Red, Tail Light with Screws (Bagged)	Bargman/Wesbar Bulk
2423287	Lens Red, Clearance/Side Marker	Bargman/Wesbar Bulk
54002	Lens Red, Clearance/Side Marker with Screws (Bagged)	Bargman/Wesbar Bulk

WATERPROOF / SEALED RECESSED TAIL LIGHTS #06 SERIES

- Oval design allows for installation in narrower channels
- Hermetically sealed lens prevents corrosion contributed by salt and rain
- Structurally immune to extreme heat and cold
- Lenses meet FMVSS/CMVSS 108 requirements
- Mounting bracket of 11 gauge steel available separately
- 6-1/2 in. x 2-1/4 in. x 2-3/8 in. depth
- Cutout: 6-3/4 in. x 2-1/2 in.

Part Number	Description	Packaging
413560	Red Stop/Tail/Turn Light with Grommet with Standard Pigtail	Bargman/Wesbar Bulk
44-06-032†	Amber Turn Light with Grommet with Standard Pigtail	Bargman Bagged
44-06-042†	Amber Turn Light with Grommet with 90° Pigtail	Bargman Bagged
Replacement Parts		
40-06-001	Red Stop/Tail/Turn Light	Bargman/Wesbar Bulk
40-06-002	Amber Turn Light	Bargman/Wesbar Bulk
40-00-003	3 Wire Pigtail with 12" Wire Lead	Bargman/Wesbar Bulk
40-00-004	3 Wire 90° Pigtail with 12" Wire Lead	Bargman/Wesbar Bulk
40-06-020	6" Oval Grommet	Bargman/Wesbar Bulk
108119	6" Oval Mounting Bracket	Bargman/Wesbar Bulk
401591	6" Oval Grommet and 3 Wire 90° Pigtail	Wesbar Packaging

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

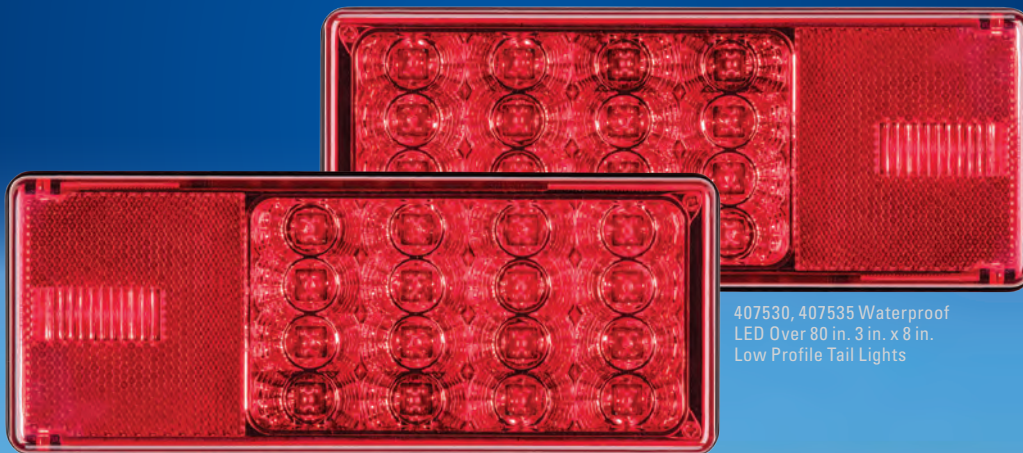† = Available While Supplies Last.

WATERPROOF
LED TAIL LIGHTS

**WATERPROOF
SEALED
SHOCK-RESISTANT**

Everything
you would
expect
when
working
in extreme
environments

281594, 281595 Waterproof
LED Over 80 in.
Wrap-around Tail Lights

407530, 407535 Waterproof
LED Over 80 in. 3 in. x 8 in.
Low Profile Tail Lights

Wesbar®

423075

423025

417515

003232

SUBMERSIBLE OVER 80 IN. 4X6 LOW PROFILE TAIL LIGHTS

- Unique, compact size and shape allows these lights to fit where space is limited
- The lens is sonically-sealed to the base providing a "bell jar," making this lamp fully submersible with easily replaceable bulbs
- Meets FMVSS/CMVSS 108 requirements for trailers over 80 in. wide when properly mounted
- Pre-wired with 2-way molded plugs and ring terminal ground for easy installation
- 6 in. x 3-1/2 in. x 2-1/4 in.
- The kit comes complete with two tail lights, two amber clearance/side marker lights with reflex lens, 20 ft. trailer wiring harness cable with molded four prong plug, 4 ft. four wire car wiring harness cable with molded 4-Flat plug plus license plate bracket

Part Number	Description	Packaging
423075	6-Function, Right/Curbside	Bargman/Wesbar Bulk
423025	7-Function, Left/Roadside	Bargman/Wesbar Bulk
417515	Trailer Light Kit with 20' Wire Harness	Bargman/Wesbar Bulk
Replacement Parts		
108891	Bulb #193	Bargman/Wesbar Bulk
30-90-157	Bulb #1157, Double Filament	Bargman/Wesbar Bulk
223117	Clearance/Side Marker, Amber, Stud Mount with Reflex	Bargman/Wesbar Bulk
203117	Clearance/Side Marker, Amber, Stud Mount with Reflex	Wesbar Packaging
003328	Lens Amber, Clearance/Side Marker	Bargman/Wesbar Bulk
90-03-328	Lens Amber, Clearance/Side Marker with Screw	Bargman Bagged
003338	Lens Amber, Clearance/Side Marker with Screw	Wesbar Packaging
003201	License Plate Bracket	Bargman/Wesbar Bulk
002301	4' Wiring Harness with 4-Flat Car End	Bargman/Wesbar Bulk
002220	20' Wiring Harness with 4-Flat Car End	Bargman/Wesbar Bulk

WATERPROOF COURTESY LIGHTS

- Sealed lights with #193 bulbs
- Ideal for a variety of interior and exterior applications
- Lens and base are constructed of extra-tough polycarbonate to resist damage
- 2.15 in. x 1.125 in. x 1.035 in. with 0.70 in. depth

Part Number	Description	Packaging
003232	Courtesy Light with Self-Grounding Stud Mount, Single Wire with Molded Barrel	Bargman/Wesbar Bulk

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

Wet Location Lighting Products

WATERPROOF LED 6 IN. OVAL GROMMET MOUNT COURTESY LIGHT

- Waterproof 10 diode courtesy/utility light
- Horizontal and vertical mount applications
- LED provides longer life, brighter more focused illumination and less current draw than incandescent lamps
- Grommet and 3 prong wiring pigtail available separately
- 6.42 in. x 2.25 in. x 1.00 with 0.77 in. depth

54005

273560

401591

Part Number	Description	Packaging
54005	LED Oval Courtesy Light Clear with Grommet with 3 Wire 90° Pigtail	Bargman/Wesbar Bulk
273560	LED Oval Courtesy Light Clear	Wesbar Packaging
Accessory Parts		
40-00-003	3 Wire Pigtail with 12" Wire Lead	Bargman/Wesbar Bulk
40-00-004	3 Wire 90° Pigtail with 12" Wire Lead	Bargman/Wesbar Bulk
40-06-020	6" Oval Grommet	Bargman/Wesbar Bulk
108119	6" Oval Mounting Bracket	Bargman/Wesbar Bulk
106873	6" Oval Mounting Bracket	Wesbar Packaging
401591	6" Oval Grommet and 3 Wire 90° Pigtail	Wesbar Packaging

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

WATERPROOF LED CLEARANCE / SIDE MARKER LIGHTS WITH REFLEX LENS

- Waterproof "tongue" lights
- Excellent for boat trailer tongue lighting
- Snap-on lens with black or white bases
- Two wire construction with either notched wires or molded single bullet and barrel
- Tested to FMVSS/CMVSS 108 requirements, P2 rated, 2.62 in. x 1.83 in. x 0.83 in.

47-222012

47-222014

47-222015

Part Number	Description	Packaging
47-222012	Clearance Light LED Amber with Reflex with Black Base, Bullet Supply, Barrel Ground	Bargman/Wesbar Bulk
47-222014	Clearance Light 1 Diode LED Red with Reflex with White Base, Notched Supply and Ground Wires	Bargman/Wesbar Bulk
47-222015	Clearance Light 1 Diode LED Amber with Reflex with White Base, Notched Supply and Ground Wires	Bargman/Wesbar Bulk
47-222017 **NEW**	Clearance Light LED Amber with Ref lex with Black Base, Notched Supply and Ground Wires	Wesbar Packaging
Replacement Parts		
222012*	Lens, Amber	Bargman/Wesbar Bulk

*Note: Replacement lens will increase the dimension of existing unit by 1/4".

54201-006

54201-007

WATERPROOF LED HI INTENSITY MICRO CLEARANCE / SIDE MARKER LIGHTS

- Red and amber lights are FMVSS-108 PC rated
- The clear style is ideal for auxiliary and decorative lighting
- Self contained grommet and pre-wired with sealed 12 in. wire pigtail
- 0.75 in. light diameter x 0.50 in. height, 1 in. diameter with grommet
- Note: Recommended hole size is 0.75 in. and the recommended material thickness is between 0.0625 in. and 0.125 in.

Part Number	Description	Packaging
54201-006	Hi Intensity Micro Clearance Light LED Amber	Bargman/Wesbar Bulk
54201-007	Hi Intensity Micro Clearance Light LED Red	Bargman/Wesbar Bulk
54201-008	Hi Intensity Micro Clearance Light LED Clear	Bargman/Wesbar Bulk

54201-014

LED FENDER CLEARANCE LIGHTS

- Compact and waterproof
- Durable polycarbonate construction with rubber gasket
- European marketplace approved, P2 Rated
- 11.8 in. wire leads
- Dimensions: 1-1/2 in. tall x 5-1/4 in. long

Part Number	Description	Packaging
54201-011	LED Fender Clearance Light Left Side	Carton
54201-013	LED Fender Clearance Light Right Side	Carton
54201-014	LED Fender Clearance Light Kit	Clam Shell

47-106853

WATERPROOF LED CLEARANCE / SIDE MARKER LIGHTS

- FMVSS/CMVSS 108 compliant
- Waterproof with 2 diodes
- One piece design with thru-lens mounting holes
- 18 in. two wire construction
- P2/P3 rated
- 2.60 in. x 1.10 in. x 0.75 in. height
  (mounting: (2) 0.25 in. diameter hole - 1.90 in. centers)

47-106854

Part Number	Description	Packaging
47-106853	Clearance Light LED Amber	Bargman/Wesbar Bulk
54201-001	Clearance Light LED Amber with Chrome Bezel	Bargman Bagged
47-106854	Clearance Light LED Clear Lens with Amber Diodes	Bargman/Wesbar Bulk
47-107047	Clearance Light LED Red	Bargman/Wesbar Bulk
54201-002	Clearance Light LED Red with Chrome Bezel	Bargman Bagged
47-107048	Clearance Light LED Clear Lens with Red Diodes	Bargman/Wesbar Bulk
Accessories and Replacement Parts		
47-106020	Chrome Bezel (3.23" x 1.73" x .47" height)	Bargman/Wesbar Bulk

47-107047

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

47-203668

47-203667

WATERPROOF LED CLEARANCE / SIDE MARKER LIGHTS

- One piece
- Waterproof
- Designed for grommet mounting
- Two wire pigtail features 6 in. or 18 in. wire leads with supply wire and ring terminal ground
- Pigtail and grommet available separately
- P2 rated
- 2.61 in. x 1.22 in. x 0.79 in.

Part Number	Description	Packaging
47-203667	Clearance Light Module LED Amber	Bargman/Wesbar Bulk
47-203668	Clearance Light Module LED Red	Bargman/Wesbar Bulk
Accessory Parts		
221588	Grommet, Rectangular	Bargman/Wesbar Bulk
40-00-002	2 Wire Pigtail with 6" Wire Lead	Bargman/Wesbar Bulk
108663	2 Wire Pigtail with 18" Wire Lead	Bargman/Wesbar Bulk
34-108663	2 Wire Pigtail with 18" Wire Lead	Bargman Bagged

47-37-031

47-37-032

WATERPROOF LED CLEARANCE / SIDE MARKER LIGHTS #37 SERIES

- Waterproof
- Easy installation
- Snap lock base mount
- Tested and certified to FMVSS/CMVSS 108 side marker/ clearance light requirements
- P2 rated
- Module Only: 2.60 in. x 1.20 in. x 1.03 in. overall height
- Module with Base: 2-7/8 in. x 1-1/2 in. x 1 in.

Part Number	Description	Packaging
47-37-031	Clearance Light LED #37 Red with Black Base	Bargman Bagged
401581	Clearance Light LED #37 Red with Black Base	Wesbar Packaging
47-37-032	Clearance Light LED #37 Amber with Black Base	Bargman Bagged
401580	Clearance Light LED #37 Amber with Black Base	Wesbar Packaging
47-37-005	Clearance Light Module LED #37 Red, PC Rated When Properly Mounted	Bargman/Wesbar Bulk
47-37-006	Clearance Light Module LED #37 Amber, PC Rated When Properly Mounted	Bargman/Wesbar Bulk
Accessories and Replacement Parts		
47-37-001	Clearance Light Module LED #37 Red	Bargman/Wesbar Bulk
47-37-002	Clearance Light Module LED #37 Amber	Bargman/Wesbar Bulk
40-37-020	Black 2" Snap-Lock Base, Self-Grounding with Single Black Wire	Bargman/Wesbar Bulk
106289	Black 2" Snap-Lock Base, Self-Grounding	Bargman/Wesbar Bulk
108297	Black 2" Snap-Lock Base, Open Back	Bargman/Wesbar Bulk
106293	Chrome 2" Snap-Lock Base, Self-Grounding	Bargman/Wesbar Bulk
106294†	Chrome 2" Snap-Lock Base, Open Back	Bargman/Wesbar Bulk
221588	Grommet Rectangular	Bargman/Wesbar Bulk
40-00-002	2 Wire Pigtail with 6" Wire Lead	Bargman/Wesbar Bulk
108663	2 Wire Pigtail with 18" Wire Lead	Bargman/Wesbar Bulk

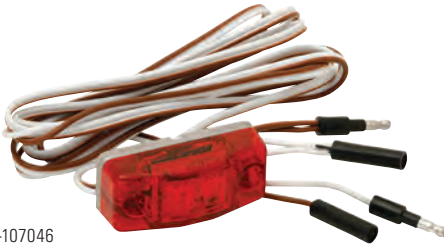† = Available While Supplies Last.

WESBAR

47-106851

47-107043

47-107044

47-107046

WATERPROOF LED CLEARANCE / SIDE MARKER LIGHTS

- One piece design with thru-lens mounting holes
- Single stud on base, 1/4 in. hole required, provides self-ground
- Features wire harness with either one or two wire configurations that includes notched wires or molded single bullets and/or barrels
- P2/P3 rated
- 2.64 in. x 1.14 in. x 0.97 in. with 0.43 in. depth (mounting: (2) 0.25 diameter hole - 1.90 in. centers)

Part Number	Description	Packaging
47-106851	Clearance Light LED Amber with Self-Ground Stud, 12" Brown Wire	Bargman/Wesbar Bulk
47-107043	Clearance Light LED Red with Self-Ground Stud, 12" Brown Wire	Bargman/Wesbar Bulk
47-106852	Clearance Light LED Amber with Self-Ground Stud, 162" Brown Bullet Pigtail	Bargman/Wesbar Bulk
47-106857	Clearance Light LED Amber with Self-Ground Stud, 162" Brown Bullet/White Barrel Pigtail	Bargman/Wesbar Bulk
47-107044	Clearance Light LED Red with Self-Ground Stud, 96" Brown Bullet/Brown Barrel Pigtail	Bargman/Wesbar Bulk
47-107046	Clearance Light LED Red with Self-Ground Stud, 96" Brown Bullet and Barrel/White Bullet and Barrel Pigtail	Bargman/Wesbar Bulk

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

47-99-006

47-99-005

WATERPROOF LED CLEARANCE / SIDE MARKER LIGHTS #99 SERIES

- Waterproof
- Single wire, 12 in. minimum
- Self-grounding stud mounting with 1/4 in. required hole
- Includes type 302 stainless steel hardware
- Meets FMVSS/CMVSS 108 requirements
- PC rated when properly mounted
- 2.16 in. x 1.16 in. x 1.03 in. with 0.72 in. depth
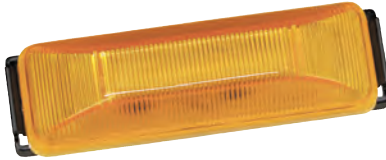
Part Number	Description	Packaging
47-99-005	Clearance Light LED #99 Red	Bargman/Wesbar Bulk
47-99-006	Clearance Light LED #99 Amber	Bargman/Wesbar Bulk

Wet Location Lighting Products

LED CLEARANCE / SIDE MARKER LIGHTS #38 SERIES

- Snap lock base mount
- Easy installation
- Fully tested and certified to FMVSS/CMVSS 108 side marker/ clearance light requirements
- P2 rated
- Module Only: 3.93 in. x 1.22 in. x 1.02 in. overall height
- Fender Mount Module Only: 3.95 in. x 1.24 in. x 1.038 in. overall height

47-38-033

47-38-034

47-38-004

Part Number	Description	Packaging
47-38-033	Clearance Light LED #38 Red with Black Base with Pigtail	Bargman Bagged
401583	Clearance Light LED #38 Red with Black Base with Pigtail	Wesbar Packaging
47-38-034	Clearance Light LED #38 Amber with Black Base with Pigtail	Bargman Bagged
401582	Clearance Light LED #38 Amber with Black Base with Pigtail	Wesbar Packaging
47-38-004	Clearance Light LED #38 Red/Amber	Bargman/Wesbar Bulk
Replacement Parts		
47-38-001	Clearance Light Module LED #38 Red	Bargman/Wesbar Bulk
47-38-002	Clearance Light Module LED #38 Amber	Bargman/Wesbar Bulk
40-38-020	Black Base with Wire Assembly, Self-Grounding with Single Black Wire	Bargman/Wesbar Bulk
40-38-025	Black Base with 2 Wires	Bargman/Wesbar Bulk

LED CLEARANCE / SIDE MARKER LIGHTS #59 SERIES WITH REFLEX LENS

- Rugged ABS base with LED light engine assembled directly into reflectorized acrylic lens
- LED light engine consists of 2 LED lights that are mounted into a circuit board that is then potted and sealed to protect against water and other elements
- 4 in. x 2 in. x 1-1/32 in. with 5/8 in. depth

47-59-001

47-59-002

47-59-402

Part Number	Description	Packaging
47-59-001	Clearance Light LED #59 Red with White Base with Pigtail	Bargman/Wesbar Bulk
47-59-002	Clearance Light LED #59 Amber with White Base with Pigtail	Bargman/Wesbar Bulk
47-59-402	Clearance Light LED #59 Amber with White Base with Pigtail	Bargman/Wesbar Bulk
Replacement Parts		
47-59-010	Lens Module LED #59 Red	Bargman/Wesbar Bulk
47-59-012	Lens Module LED #59 Amber	Bargman/Wesbar Bulk
47-59-412	Lens Module LED #59 Amber	Bargman/Wesbar Bulk

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

Wet Location Lighting Products

54201-015

54201-017

LED CLEARANCE / SIDE MARKER LIGHTS 2-1/2 IN. ROUND

- Surface mount design
- Two wire construction simplifies grounding
- These lights meet FMVSS-108 and CMVSS-108 requirements for P2 and PC side marker clearance functions when properly mounted
- 2-3/4 in. Round

Part Number	Description	Packaging
54201-015	LED Red Clearance Light with Mounting Flange	Bargman Bulk
54201-017	LED Amber Clearance Light with Mounting Flange	Bargman Bulk

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

47-58-031

47-58-032

LED CLEARANCE / SIDE MARKER LIGHT KITS # 58 SERIES

- Snap lock base mount
- 4 in. x 2 in. x 1 in.

Part Number	Description	Packaging
47-58-031	Clearance Light LED #58 Red with Pigtail, with White Base	Bargman Bagged
47-58-032	Clearance Light LED #58 Amber with Pigtail, with White Base	Bargman Bagged
47-58-001	Clearance Light LED #58 Red with White Base	Bargman/Wesbar Bulk
47-58-002	Clearance Light LED #58 Amber with White Base	Bargman/Wesbar Bulk
Replacement Part		
40-00-005	Pigtail	Bargman/Wesbar Bulk

47-59-010

47-59-012

LED MODULE KITS CLEARANCE / SIDE MARKER LIGHTS #59 SERIES WITH REFLEX LENS

- #59 Series LED Upgrade Kits are designed to convert Bargman #59 Incandescent Clearance/Side Marker Lights to LED WITHOUT having to remove the base
- Simply remove the lens and the incandescent bulb and plug in the LED light engine (lens and LED lights)

Part Number	Description	Packaging
47-59-010	Upgrade Kit LED #59 Red	Bargman/Wesbar Bulk
47-59-012	Upgrade Kit LED #59 Amber	Bargman/Wesbar Bulk

47-86-202

30-86-711

30-86-712

LED WRAP-AROUND CLEARANCE / SIDE MARKER LIGHTS #86 SERIES

- Meets lighting requirements for side markers and clearance lights and doubles as a Class "A" side-reflex reflector
- Meets FMVSS/CMVSS 108 requirements
- 5-3/4 in. x 4-3/8 in. x 2-3/16 in.

Part Number	Description	Packaging
47-86-202	LED Stop/Tail/Turn Light Lens Module Red with Bulb Socket Plug	Bargman Bulk
Replacement Parts		
42-86-410	LED Wrap-Around Clearance Light Module Red	Bargman Clam
47-86-410†	LED Wrap-Around Clearance Light Module Red	Bargman Bagged
42-86-412	LED Wrap-Around Clearance Light Module Amber	Bargman Clam
47-86-412†	LED Wrap-Around Clearance Light Module Amber	Bargman Bagged
30-86-711	Lens #86 Red Wrap-Around	Bargman/Wesbar Bulk
30-86-712	Lens #86 Amber Wrap-Around	Bargman/Wesbar Bulk
30-84-075	Marker Light Lens Screw	Bargman/Wesbar Bulk

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

† = Available While Supplies Last.

44-30-031

44-30-032

WATERPROOF / SEALED CLEARANCE / SIDE MARKER LIGHTS #30 SERIES

- Designed for quick and easy installation
- Rugged ABS base that has the acrylic lens sonic welded to the base
- Flush mount rubber grommet and two wire pigtail can be purchased separately or as a kit
- 2 in. diameter x 3/4 in., 2-3/4 in. diameter with grommet, Cutout: 2-5/16 in. diameter

Part Number	Description	Packaging
44-30-031	Clearance Light #30 Red with Grommet with 6" Pigtail	Bargman Bagged
44-30-032†	Clearance Light #30 Amber with Grommet with 6" Pigtail	Bargman Bagged
Replacement Parts		
40-30-001	Clearance Light Module #30 Red	Bargman/Wesbar Bulk
40-30-002	Clearance Light Module #30 Amber	Bargman/Wesbar Bulk
40-00-002	2 Wire Pigtail with 6" Wire Lead	Bargman/Wesbar Bulk
108663	2 Wire Pigtail with 18" Wire Lead	Bargman/Wesbar Bulk
40-30-020	2" Round Grommet	Bargman/Wesbar Bulk
401589	2" Round Grommet and 2 Wire Pigtail with 6" Wire Lead	Wesbar Packaging

† = Available While Supplies Last.

Wet Location Lighting Products

WESBAR

44-37-031

44-37-032

203295

203294

40-37-020

WATERPROOF / SEALED CLEARANCE / SIDE MARKER LIGHTS #37 SERIES

- Compact rectangular light with the polycarbonate lens sonic welded to the base
- Offers easy installation with self grounding base on metallic surfaces
- Snap lock tabs on the lens housing secures light to base to complete the fast installation
- Complies with FMVSS/CMVSS 108 requirements for combination clearance/marker light when mounted properly
- 2-1/2 in. x 1-1/4 in.

Part Number	Description	Packaging
44-37-031	Clearance Lens #37 Red with Black Base with Wire	Bargman Bagged
203293	Clearance Lens #37 Red with Black Base with Wire	Wesbar Packaging
44-37-032	Clearance Lens #37 Amber with Black Base with Wire	Bargman Bagged
203292	Clearance Lens #37 Amber with Black Base with Wire	Wesbar Packaging
203294	Clearance Lens #37 Amber with Chrome Base with Wire	Wesbar Packaging
203295	Clearance Lens #37 Red with Chrome Base with Wire	Wesbar Packaging
Replacement Parts		
40-37-001	Clearance Light Module #37 Red	Bargman/Wesbar Bulk
40-37-002	Clearance Light Module #37 Amber	Bargman/Wesbar Bulk
40-37-020	Black 2" Snap-Lock Base, Self-Grounding with Single Black Wire	Bargman/Wesbar Bulk
106289	Black 2" Snap-Lock Base Self-Grounding	Bargman/Wesbar Bulk
108297	Black 2" Snap-Lock Base Open Back	Bargman/Wesbar Bulk
106293	Chrome 2" Snap-Lock Base Self-Grounding with Wire	Bargman/Wesbar Bulk
106294	Chrome 2" Snap-Lock Base Open Back	Bargman/Wesbar Bulk
221588	Grommet Rectangular	Bargman/Wesbar Bulk
106334	Single Plug for Snap-Lock Base	Bargman/Wesbar Bulk
40-00-002	2 Wire Pigtail with 6" Wire Lead	Bargman/Wesbar Bulk
108663	2 Wire Pigtail with 18" Wire Lead	Bargman/Wesbar Bulk

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

Wet Location Lighting Products

44-38-031

44-38-032

40-38-004

WATERPROOF / SEALED CLEARANCE / SIDE MARKER LIGHTS #38 SERIES

- Double bulb rectangular light with the polycarbonate lens sonic welded to the base
- Easy installation with self grounding base on metallic surfaces
- Snap-lock tabs on the lens housing secures light to base to complete the fast installation
- Complies with FMVSS/CMVSS 108 requirements for combination clearance/marker light when mounted properly
- P2 rated, 3-13/16 in. x 1-1/4 in.

Part Number	Description	Packaging
44-38-031	Clearance Lens #38 Red with Black Base with Wire Assembly	Bargman Bagged
44-38-032	Clearance Lens #38 Amber with Black Base with Wire Assembly	Bargman Bagged
40-38-004	Fender Mount Clearance Light Module #38 Red/Amber	Bargman/Wesbar Bulk
Accessory Parts		
40-40-120	Fender Mount Black Base for Two Lights	Bargman/Wesbar Bulk
Replacement Parts		
40-38-001	Clearance Light Module #38 Red	Bargman/Wesbar Bulk
40-38-002	Clearance Light Module #38 Amber	Bargman/Wesbar Bulk
40-38-020	Black Base with Wire Assembly, Self-Grounding with Single Black Wire	Bargman/Wesbar Bulk
40-38-025	Black Base with 2 Wires	Bargman/Wesbar Bulk

003239

003231

003230

WATERPROOF CLEARANCE / SIDE MARKER LIGHTS

- Sonically-sealed waterproof
- Break-resistant polycarbonate lens
- Available in either stud-mount or ear-mount styling
- Features a pre-installed 15 in. pigtail
- Meets FMVSS/CMVSS 108 requirements for clearance/marker lights when properly mounted
- Stud: 2-1/8 in. x 1-1/8 in. x 1-1/16 in., Ear: 3-5/16 in. x 1-5/16 in. x 1 in.

Part Number	Description	Packaging
003273	Clearance Light Red with White Ear-Mount Base	Bargman/Wesbar Bulk
003231	Clearance Light Red with White Stud-Mount Base	Bargman/Wesbar Bulk
003239	Clearance Light Red with Black Stud-Mount Base	Bargman/Wesbar Bulk
003272	Clearance Light Amber with White Ear-Mount Base	Bargman/Wesbar Bulk
003230	Clearance Light Amber with White Stud-Mount Base	Bargman/Wesbar Bulk
003238	Clearance Light Amber with Black Stud-Mount Base	Bargman/Wesbar Bulk

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

WESBAR

108663

221088

WATERPROOF / SEALED CLEARANCE / SIDE MARKER LIGHTS 2-1/2 IN. ROUND WITH REFLEX LENS / #31 SERIES - REPLACEMENT PARTS

- Quick and easy installation
- Rugged ABS base that has the acrylic lens sonic welded to the base
- Flush mount rubber grommet and two wire pigtail can be purchased separately or as a kit
- 2-1/2 in. diameter x 3/4 in., 3-1/4 in. diameter with grommet
- Cutout: 2-25/32 in. diameter

Part Number	Description	Packaging
Replacement Parts		
40-00-002	2 Wire Pigtail with 6" Wire Lead	Bargman/Wesbar Bulk
108663	2 Wire Pigtail with 18" Wire Lead	Bargman/Wesbar Bulk
221088	2 1/2" Round Open Back Heavy Duty Grommet	Bargman/Wesbar Bulk

40-37-020
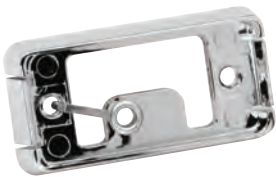
106293

221588

WATERPROOF LAUNCH LIGHTS - REPLACEMENT PARTS

- Designed to illuminate the back or side of trailers
- Help to launch and load under low light conditions
- Requires five-wire trailer harness
- Powerful, yet small enough to fit in tight areas and can be either grommet or snap-lock base-mounted
- Lens and base are constructed of extra-tough polycarbonate to resist damage

Part Number	Description	Packaging
Replacement Parts		
40-37-020	Black 2" Snap-Lock Base, Self Grounding with Single Black Wire	Bargman/Wesbar Bulk
106289	Black 2" Snap-Lock Base, Self Grounding	Bargman/Wesbar Bulk
108297	Black 2" Snap-Lock Base, Open Back	Wesbar Packaging
106293	Chrome 2" Snap-Lock Base, Self-Grounding	Bargman/Wesbar Bulk
221588	Grommet, Rectangular	Bargman/Wesbar Bulk
40-00-002	2 Wire Pigtail with 6" Wire Lead	Wesbar Packaging
34-108663	2 Wire Pigtail with 18" Wire Lead	Bargman/Wesbar Bulk

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

Wet Location Lighting Products

30-86-202

30-86-203

WRAP-AROUND CLEARANCE / SIDE MARKER LIGHTS #86 SERIES

- Meets lighting requirements for side markers and clearance lights and doubles as a Class "A" side-reflex reflector
- Meets FMVSS/CMVSS 108 requirements
- 5-3/4 in. x 4-3/8 in. x 2-3/16 in.

Part Number	Description	Packaging
30-86-202	Clearance Light #86 Red with Black Base	Bargman/Wesbar Bulk
30-86-203	Clearance Light #86 Amber with Black Base	Bargman/Wesbar Bulk
Replacement Parts		
30-86-711	Lens #86 Red Wrap-Around	Bargman/Wesbar Bulk
30-86-712	Lens #86 Amber Wrap-Around	Bargman/Wesbar Bulk
30-84-075	Marker Light Lens Screw	Bargman/Wesbar Bulk

30-58-001

30-58-002

30-58-007

CLEARANCE / SIDE MARKER LIGHTS #58 SERIES

- Rugged ABS base and acrylic snap-on lens
- Molded socket protects bulb from road shock and has two wires to eliminate surface ground
- Molded grommet extends through the skin to protect the wiring
- 4 in. x 2 in. x 1-1/32 in. with 5/8 in. depth

Part Number	Description	Packaging
30-58-001	Clearance Light #58 Red with White Base	Bargman/Wesbar Bulk
30-58-002	Clearance Light #58 Amber with White Base	Bargman/Wesbar Bulk
54201-010	Clearance Light #58 Amber with Black Base	Bargman/Wesbar Bulk
30-58-007	Utility Light #58 Clear with White Base	Bargman/Wesbar Bulk
Replacement Parts		
30-58-702	Wedge Base Socket with #194 Bulb	Bargman/Wesbar Bulk
30-58-010	Lens #58 Red	Bargman/Wesbar Bulk
30-58-012	Lens #58 Amber	Bargman/Wesbar Bulk
30-58-024	White Base	Bargman/Wesbar Bulk

30-17-814

30-17-815

CLEARANCE / SIDE MARKER LIGHTS #178 SERIES WEATHER-TIGHT WITH REFLEX LENS

- Low profile, one-piece construction
- Radius styling
- ABS base and acrylic reflex lens
- Two wire design eliminates surface ground
- 3-7/8 in. x 1-7/8 in. x 3/4 in. with 3/4 in. depth

Part Number	Description	Packaging
30-17-814	Clearance Light #178 Red with White Base with 14" Wires	Bargman/Wesbar Bulk
30-17-815	Clearance Light #178 Amber with White Base with 14" Wires	Bargman/Wesbar Bulk
Replacement Parts		
30-58-702	Wedge Base Socket with #194 Bulb	Bargman/Wesbar Bulk
30-17-034	Gasket-Foam	Bargman/Wesbar Bulk

TRAILER LIGHTING

Bargman

30-59-001

30-59-002

30-59-003

30-59-004

CLEARANCE / SIDE MARKER LIGHTS #59 SERIES WITH REFLEX LENS

- Rugged ABS base and acrylic snap-on reflex lens
- Molded socket protects bulb from road shock and has two wires to eliminate surface ground
- Molded grommet extends through the skin to protect the wiring
- 4 in. x 2 in. x 1-1/32 in. with 5/8 in. depth

Part Number	Description	Packaging
30-59-001	Clearance Light #59 Red with White Base	Bargman/Wesbar Bulk
30-59-003	Clearance Light #59 Red with Black Base	Bargman/Wesbar Bulk
30-59-002	Clearance Light #59 Amber with White Base	Bargman/Wesbar Bulk
30-59-004	Clearance Light #59 Amber with Black Base	Bargman/Wesbar Bulk
Replacement Parts		
30-58-702	Wedge Base Socket with #194 Bulb	Bargman/Wesbar Bulk
30-59-010	Lens #59 Red	Bargman/Wesbar Bulk
30-59-012	Lens #59 Amber	Bargman/Wesbar Bulk
30-58-024	White Base	Bargman/Wesbar Bulk
30-59-054	Gasket-Foam	Bargman Bagged

203116

223117

CLEARANCE / SIDE MARKER LIGHTS WITH REFLEX LENS

- Stud mount
- Reflex lens and 18 in. wire lead
- Includes a tapered base for easy installation
- 2-3/4 in. x 2 in. x 1 in.

Part Number	Description	Packaging
203116	Clearance Light Red	Wesbar Packaging
223117	Clearance Light Amber	Wesbar Packaging
203117	Clearance Light Amber	Bargman/Wesbar Bulk
Replacement Parts		
108891	Bulb #193	Bargman/Wesbar Bulk
003327	Lens Red, Clearance Light	Bargman/Wesbar Bulk
90-03-327	Lens Red, Clearance Light with Screws	Bargman Bagged
003337	Lens Red, Clearance Light with Screws	Wesbar Packaging
003328	Lens Amber, Clearance Light	Bargman/Wesbar Bulk
90-03-328	Lens Amber, Clearance Light with Screws	Bargman Bagged
003338	Lens Amber, Clearance Light with Screws	Wesbar Packaging

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.
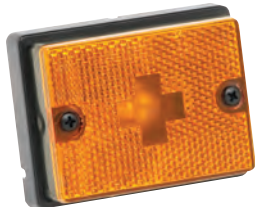
003103

003101

003123

CLEARANCE / SIDE MARKER LIGHTS WITH REFLEX LENS

- Featuring reflex lens and quick connect wiring installation
- Available with stud-mount or ear-mount styling
- 3-1/8 in. x 2-3/8 in. x 1 in.

Part Number	Description	Packaging
003103	Clearance Light Red with Black Stud-Mount Base	Bargman/Wesbar Bulk
003123	Clearance Light Red with Black Ear-Mount Base	Bargman/Wesbar Bulk
003101	Clearance Light Amber with Black Stud-Mount Base	Bargman/Wesbar Bulk
003121	Clearance Light Amber with Black Ear-Mount Base	Bargman/Wesbar Bulk
Replacement Parts		
003327	Lens Red, Clearance Light	Bargman/Wesbar Bulk
90-03-327	Lens Red, Clearance Light with Screws	Bargman Bagged
003337	Lens Red, Clearance Light with Screws	Wesbar Packaging
003328	Lens Amber, Clearance Light	Bargman/Wesbar Bulk
90-03-328	Lens Amber, Clearance Light with Screws	Bargman Bagged
003338	Lens Amber, Clearance Light with Screws	Wesbar Packaging

30-073833

30-073834

CLEARANCE / SIDE MARKER LIGHTS 2-3/4 IN. ROUND

- Surface mount design
- Two wire construction simplifies grounding
- Meets FMVSS-108 and CMVSS-108 requirements for P2 and PC side marker clearance functions when properly mounted
- 2-3/4 in. round

Part Number	Description	Packaging
30-073833	Clearance Light Red Round with Two Wire Construction	Bargman/Wesbar Bulk
30-073834	Clearance Light Amber Round with Two Wire Construction	Bargman/Wesbar Bulk
Replacement Parts		
108891	Bulb #193	Bargman/Wesbar Bulk

30-99-001

30-99-002

CLEARANCE / SIDE MARKER LIGHTS #99 SERIES WITH REFLEX LENS

- Acrylic snap-on reflex lens
- Ready for mounting on a flat surface with quick connect wiring installation for supply and ground wires
- 4-1/16 in. x 1-3/8 in. x 1 in.

Part Number	Description	Packaging
30-99-001	Clearance Light #99 Red	Bargman/Wesbar Bulk
30-99-002	Clearance Light #99 Amber	Bargman/Wesbar Bulk
Accessory Part		
40-40-120	Two Light Fender Mount Bezel	Bargman/Wesbar Bulk
Replacement Parts		
30-99-010	Lens #99 Red, Clearance Light	Bargman/Wesbar Bulk
30-99-012	Lens #99 Amber, Clearance Light	Bargman/Wesbar Bulk

40-40-004
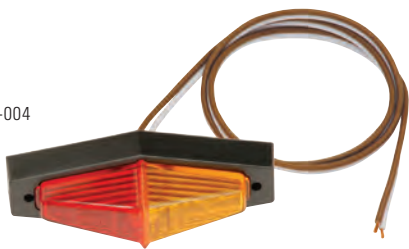
40-40-104

CLEARANCE / SIDE MARKER LIGHTS FENDER MOUNT #40 SERIES

- Dual function red/amber light for use on fender mount applications
- Bulb is protected by the lens on all sides
- Two wire design (24 in. supply and ground) eliminates surface ground
- Light with black base, stainless steel mounting screws: 3.65 in. x 1.25 in. x 1.45 in. with 0.50 in. depth
- Light only: 2.75 in. x 1 in. x 0.85 in. with 0.50 in. depth
- Fender mount bezel only: 7.20 in. x 4.85 in. x 0.85 in.

Part Number	Description	Packaging
40-40-004	Fender Mount Clearance Light #40 Red/Amber with Lexan® Black Base, Includes Stainless Steel Mounting Screws	Bargman/Wesbar Bulk
40-40-104	Fender Mount Clearance Light Red/Amber	Bargman/Wesbar Bulk
Accessory Part		
40-40-115	Fender Mount Bezel	Bargman/Wesbar Bulk

003225

003330

CLEARANCE / SIDE MARKER LIGHT

- Featuring quick connect wiring installation with stud mounting
- Meets FMVSS/CMVSS 108 requirements for clearance/marker lights when properly mounted ("PC" rated)
- 2-1/4 in. x 2-1/4 in. x 1-1/4 in.

Part Number	Description	Packaging
003225	Clearance Light Amber	Bargman Bagged
203235	Clearance Light Amber	Wesbar Packaging
Replacement Parts		
003330	Lens Amber, Clearance Light	Bargman Bagged
003340	Lens Amber, Clearance Light	Wesbar Packaging

003441

003440

DUAL BULB CLEARANCE / SIDE MARKER LIGHTS

- Specifically designed for heavy-duty and industrial use
- Polycarbonate lens
- Pre-wired with a 6 in. supply lead and are self-grounding
- 4 in. x 2 in. x 1-1/8 in.

Part Number	Description	Packaging
003441	Clearance Light Red	Bargman/Wesbar Bulk
003440	Clearance Light Amber	Bargman/Wesbar Bulk
Replacement Parts		
108891	Bulb #193	Bargman/Wesbar Bulk

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.
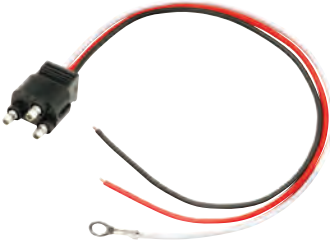
47-06-005

40-00-003

40-06-020

LED 6 IN. OVAL MID-TURN LIGHT

- Standard 6" grommet mount oval LED mid-turn light
- Certified to SAE J914 for side turn signal
- Meets FMVSS/CMVSS 108 requirements for intermediate side marker and side reflex on vehicles over 30 ft. long
- Grommet and pigtail available separately
- 6.48 in. x 2.30 in. x 2.71 in. overall height
- 2 in. depth with pigtail, 1.35 in. height

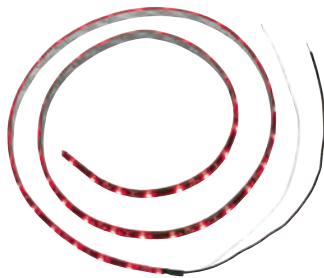| Part Number	Description	Packaging
47-06-005	6" Oval Mid-Turn Amber Light	Bargman/Wesbar Bulk
Replacement Parts		
40-00-003	3 Wire Pigtail with 12" Wire Lead	Bargman/Wesbar Bulk
40-00-004	3 Wire 90° Pigtail with 12" Wire Lead	Bargman/Wesbar Bulk
719063	3 Wire 90° Pigtail with 12" Wire Lead	Wesbar Packaging
40-06-020	6" Oval Grommet	Bargman/Wesbar Bulk
108119	6" Oval Mounting Bracket	Bargman/Wesbar Bulk
106873	6" Oval Mounting Bracket	Wesbar Packaging
401591	6" Oval Grommet and 3 Wire 90° Pigtail	Wesbar Packaging

54205-010

54205-011

54205-015

LED LIGHT STRIPS

- Three foot strip, with 54 Diodes per strip
- Pre-wired with a 12 in. supply lead and are self-grounding

Part Number	Description	Packaging
Strip - 36"		
54205-010	LED Light Strip Red - 36" with 54 Diodes Per Strip	Wesbar Packaging
54205-011	LED Light Strip Blue - 36" with 54 Diodes Per Strip	Wesbar Packaging
54205-012	LED Light Strip Amber - 36" with 54 Diodes Per Strip	Wesbar Packaging
54205-013	LED Light Strip Green - 36" with 54 Diodes Per Strip	Wesbar Packaging
54205-014	LED Light Strip Clear - 36" with 54 Diodes Per Strip	Wesbar Packaging
Reel - 16'		
54205-015	LED Light Strip Red - 16' Per Reel	Bargman/Wesbar Bulk
54205-016	LED Light Strip Blue - 16' Per Reel	Bargman/Wesbar Bulk
54205-017	LED Light Strip Amber - 16' Per Reel	Bargman/Wesbar Bulk
54205-018	LED Light Strip Green - 16' Per Reel	Bargman/Wesbar Bulk
54205-019	LED Light Strip Clear - 16' Per Reel	Bargman/Wesbar Bulk
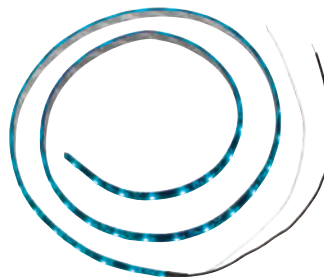
NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

54205-020

54205-021

LED MULTI-FUNCTIONAL STROBE LIGHTS

- 7 optional flashing modes
- Available in amber or clear
- Dirt and moisture resistant
- Suitable for multiple OE wiring applications

Part Number	Description	Packaging
54205-020	LED Multi-Functional Strobe Light - Amber	Carton
54205-021	LED Multi-Functional Strobe Light - Clear	Carton

54205-024

LED STROBE LIGHTS WITH 13 FT. CORD AND MAGNETIC BASE

- Dirt and moisture resistant
- Single mode only

Part Number	Description	Packaging
54205-022	LED Strobe Light - Amber	Clam Shell
54205-023	LED Strobe Light - Clear	Clam Shell
54205-024	LED Strobe Light - Purple	Clam Shell

WATERPROOF ID LIGHT BARS

- Submersible design with black poly-carbonate base incorporates incandescent #37 series clearance/marker modules
- FMVSS/CMVSS 108 P2 compliant for use to meet over 80 in. rear clearance marking requirements
- 17 in. x 1.46 in. x 1.69 in.

31-99-215

Part Number	Description	Packaging
31-99-215	Red ID Bar Incandescent, mounting holes on ends	Bargman Clam
Replacement Parts		
40-37-001	Clearance Light Module #37 Red	Bargman/Wesbar Bulk

003306

003306

WATERPROOF ID LIGHT BARS

- Sonically-sealed, impact-resistant polycarbonate lens and housing ensure a waterproof module
- Meet or exceed all applicable state and federal regulations specified for vehicles 80 in. wide or wider
- Sealed polycarbonate lamps on 6 in. centers lead to a stainless steel base completing the best line up of waterproof light bars available today
- #003305 and #003306 are pre-wired with 60 in. leads and can be mounted in protected areas because of their low profile
- 14-1/2 in. x 1-1/8 in. x 1 in.

Part Number	Description	Packaging
003305	Light Bar with Red Waterproof Modules (White Bases)	Bargman/Wesbar Bulk
003306	Light Bar with Red Waterproof Modules (Black Bases)	Bargman/Wesbar Bulk

WATERPROOF LED ID LIGHT BARS

- Three waterproof red lights
- Stainless steel base with stud mounting
- 14-1/4 in. x 1-3/16 in. x 1-1/16 in.

47-99-004

Part Number	Description	Packaging
47-99-004	Light Bar LED with Red Lens	Bargman/Wesbar Bulk
Replacement Parts		
47-99-005	Clearance Light LED #99 Red	Bargman/Wesbar Bulk
401566	Clearance Light LED #99 Red	Bargman/Wesbar Bulk

WATERPROOF LED ID LIGHT BARS

- Waterproof LED low profile red light bar
- Meets FMVSS/CMVSS 108 requirements for vehicles 80 in. wide or wider
- Pre-wired, single bullet supply and ring terminal ground, with 60" harness for easy installation
- P2 rated
- 13.54 in. x 1.313 in. x .787 in.

47-106858

Part Number	Description	Packaging
47-106858	Light Bar LED with Red Lens	Bargman/Wesbar Bulk

WATERPROOF LED ID LIGHT BARS

- Submersible design with black poly-carbonate base incorporates LED #37 series clearance/marker modules
- Pre-wired (supply and ring terminal ground) for easy installation
- FMVSS/CMVSS 108 P2 compliant for use to meet over 80 in. rear clearance marking requirements
- 17 in. x 1.46 in. x 1.69 in.

42-99-215

Part Number	Description	Packaging
47-99-215	Light Bar LED with Red Lens	Bargman/Wesbar Bulk
Replacement Parts		
47-37-001	Clearance Light Module LED #37 Red	Bargman/Wesbar Bulk

LED ID LIGHT BARS WITH REFLUX LENS

- Designed for narrow rail surface mounting
- Features include built-in reflex reflectors and stainless steel grommeted mounting holes
- Pre-wired (supply and ground) for easy installation
- 15.84 in. x 2.29 in. - Mounting holes on 14.49 in. centers

47-54-002

Part Number	Description	Packaging
47-54-002	Light Bar LED with Red Lens	Bargman/Wesbar Bulk
47-54-003	Light Bar LED with Amber Lens	Bargman/Wesbar Bulk

30-62-103

30-62-102

30-62-000

54206-001

223210

40-00-002

LICENSE PLATE LIGHTS #62 SERIES
- ABS body construction
- Can be purchased with or without the separate 18 gauge galvanized steel license bracket
- Molded socket protects bulb from road shock and has two wires to eliminate surface ground
- 4 in. x 1-1/2 in. x 2-5/8 in.

Part Number	Description	Packaging
30-62-003	License Light with Bracket White	Bargman/Wesbar Bulk
30-62-103	License Light Less Bracket White	Bargman/Wesbar Bulk
30-62-002	License Light with Bracket Black	Bargman/Wesbar Bulk
30-62-102	License Light Less Bracket Black	Bargman/Wesbar Bulk
Replacement Parts		
30-62-030	License Plate Bracket	Bargman/Wesbar Bulk
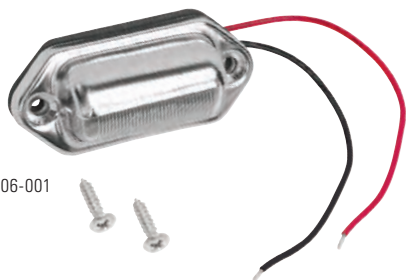
LICENSE PLATE LIGHTS
- Illuminators are dirt and moisture resistant
- Housing is chrome plated steel with half shaded white lens
- Mini Compact lights feature two wire construction, mounting gasket and screw
- Bullet Snap-in light with self-grounding single wire construction
- 2-5/8 in. x 1-1/4 in. x 1 in. - Mini Compact / LED Mini Compact, 1 in. cutout - Bullet Snap-in

Part Number	Description	Packaging
30-62-000	Mini Compact Light	Bargman/Wesbar Bulk
54206-001	LED Mini Compact Light	Wesbar Packaging

WATERPROOF LICENSE PLATE LIGHT
- Waterproof, sealed license plate light with #193 bulb for a variety of mounting applications
- Pigtail available separately
- Meets FMVSS/CMVSS 108 requirements

Part Number	Description	Packaging
223210	License Light with Bracket White	Bargman/Wesbar Bulk
Accessory Parts		
40-00-002	2 Wire Pigtail with 6" Wire Lead	Bargman/Wesbar Bulk
108663	2 Wire Pigtail with 18" Wire Lead	Bargman/Wesbar Bulk
Replacement Part		
106310	License Light Module Clear	Bargman/Wesbar Bulk

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.
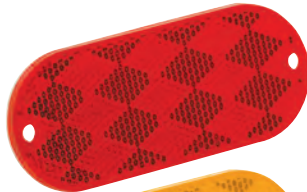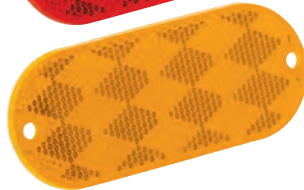
Wet Location Lighting Products
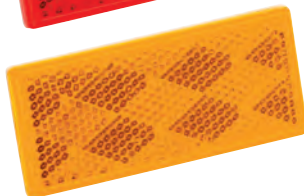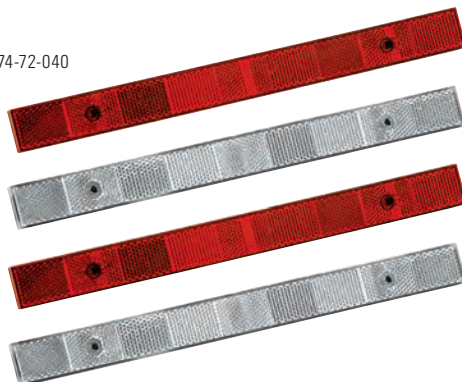
LICENSE PLATE BRACKETS

003201

Part Number	Description	Packaging
30-62-030	License Plate Bracket 18 Gauge, Galvanized Steel	Bargman/Wesbar Bulk
30-72-100	License Plate Bracket 16 Gauge, Zinc Plated	Bargman/Wesbar Bulk
003201	License Plate Bracket Plastic, Black	Bargman/Wesbar Bulk
003202	License Plate Bracket Plastic, White	Bargman/Wesbar Bulk

MOUNTING BRACKET
- Dark brown thermo-plastic corner bracket.
- .20 in. diameter mounting holes accept up to #10 screws
- 1 in. x 1 in. x 1 in. - 45° angled

60-50-001

Part Number	Description	Packaging
60-50-001	Support Mounting Bracket	Bargman/Wesbar Bulk

OBLONG REFLECTORS
- Class "A" acrylic reflector, hermetically sealed
- Two mounting holes
- Optional adhesive fiber back
- 4-3/8 in. x 1-7/8 in.

70-78-010

70-78-020

Part Number	Description	Packaging
70-78-010	Red with Mounting Holes and Adhesive Back	Bargman/Wesbar Bulk
70-78-050	Red with Mounting Holes Only	Bargman/Wesbar Bulk
70-78-020	Amber with Mounting Holes and Adhesive Back	Bargman/Wesbar Bulk
70-78-060	Amber with Mounting Holes Only	Bargman/Wesbar Bulk

RECTANGULAR REFLECTORS
- Class "A" acrylic reflector, hermetically sealed
- Adhesive fiber back for instant mounting
- 3-1/4 in. x 1-1/2 in.

70-71-180

70-71-181

Part Number	Description	Packaging
70-71-180	Red with Adhesive Back	Bargman/Wesbar Bulk
70-71-181	Amber with Adhesive Back	Bargman/Wesbar Bulk
323357	Amber with Adhesive Back, with Mounting Holes (4 3/8" X 1 1/4")	Bargman/Wesbar Bulk
323356	Red with Adhesive Back, with Mounting Holes (4 3/8" X 1 1/4")	Bargman/Wesbar Bulk

74-72-040

CONSPICUITY REFLECTORS / TAPE
- Reflectors meet or exceed DOT-C and SAE J5941 for reflectivity marking on trucks and trailers
- Reflectors are comparable in light return to the 2 in. x 12 in. reflective tape and hermetically sealed
- 1.10 in. x 12 in.

Part Number	Description	Packaging
74-72-040	Clear and Red with Adhesive Back	Bargman Bagged
70-72-020	Clear with Adhesive Back	Bargman/Wesbar Bulk
70-72-030	Red with Adhesive Back	Bargman/Wesbar Bulk

TRAILER LIGHTING
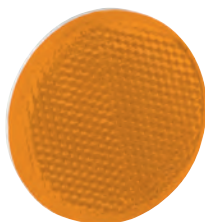
Bargman

70-68-010

70-55-020

ROUND REFLECTORS
- Class "A" acrylic reflector, hermetically sealed
- Center mounting hole or adhesive fiber back
- 3-3/16 in. and 2-3/16 in.

Part Number	Description	Packaging
70-68-010	3 3/16" Red with Center Mounting Hole	Bargman/Wesbar Bulk
70-71-170	2 3/16" Red with Center Mounting Hole	Bargman/Wesbar Bulk
70-68-020	3 3/16" Amber with Center Mounting Hole	Bargman/Wesbar Bulk
70-71-175	2 3/16" Amber with Center Mounting Hole	Bargman/Wesbar Bulk
70-38-010	3 3/16" Red with Adhesive Back	Bargman/Wesbar Bulk
70-55-010	2 3/16" Red with Adhesive Back	Bargman/Wesbar Bulk
70-38-020	3 3/16" Amber with Adhesive Back	Bargman/Wesbar Bulk
70-55-020	2 3/16" Amber with Adhesive Back	Bargman/Wesbar Bulk

30-60-004

30-60-005

INTERIOR DOME LIGHT 5 IN. ROUND WITH CHROME BASE
- Chrome plated steel base with clear polycarbonate lens
- Two wire construction (supply and ground) for easy installation
- Non UL/CSA, suitable for utility use in cargo trailers
- 6.43 in. diameter x 1.65 in.

Part Number	Description	Packaging
30-60-004	Interior Dome Light 5" Round with Chrome Base	Bargman/Wesbar Bulk
30-60-005	Interior Dome Light 5" Round with Chrome Base with Switch	Bargman/Wesbar Bulk
Replacement Part		
30-90-156	Bulb #1156	Bargman/Wesbar Bulk

30-76-123

30-76-223

30-76-243

INTERIOR LIGHTS #76 SERIES
- Single or double 12 volt interior light with diffused lens optics
- Double light is available with single or dual switch
- Two wire construction, supply and ground
- Features a polypropylene base
- CSA listed/ approved for ceiling mount and specific wall mounts
- Contact your Horizon Global Representative for the specific wall mount applications
- 7.28 in. x 4.33 in. x 1.78 in.
- 11.02 in. x 4.33 in. x 1.78 in.

Part Number	Description	Packaging
30-76-123	Single Light #76 with Switch	Bargman/Wesbar Bulk
30-76-223	Double Light #76 with Switch	Bargman/Wesbar Bulk
30-76-243	Double Light #76 with Dual Switch	Bargman/Wesbar Bulk
Replacement Parts		
30-90-021	Bulb #921	Bargman/Wesbar Bulk
30-76-028	Lens #76	Bargman/Wesbar Bulk

40-60-001

40-60-004

SECURITY / UTILITY LIGHTS

- 12 volt surface mounted light is designed to flood light in all directions
- Increased security features to any unit
- Features a 7 in. polycarbonate lens, two wire construction and stainless steel base to resist corrosion
- Designed for years of trouble-free service featuring a gasket between the lens and base, as well as a gasket for mounting
- 8-3/4 in. diameter

Part Number	Description	Packaging
40-60-001	Security/Utility Light	Bargman/Wesbar Bulk
40-60-004	Security/Utility Light-White Painted Base	Bargman/Wesbar Bulk
Replacement Part		
30-90-156	Bulb #1156, Single Filament	Bargman/Wesbar Bulk

30-78-515

30-78-522

30-78-600

30-78-517

30-78-525

30-78-524

PORCH / UTILITY LIGHTS #78 SERIES

- Compact design is surface mounted with either polypropylene or chrome plated ABS base and either a clear or amber snap-in lens
- A remote switch is required
- Two wire construction, supply and ground
- CSA approved
- 5-15/16 in. x 3-1/2 in. x 2 in.

Part Number	Description	Packaging
30-78-515	White with Clear Lens	Bargman/Wesbar Bulk
30-78-522	Black with Clear Lens	Bargman/Wesbar Bulk
30-78-600	Chrome with Clear Lens	Bargman/Wesbar Bulk
30-78-516	White with Amber Lens	Bargman/Wesbar Bulk
30-78-523	Black with Amber Lens	Bargman/Wesbar Bulk
30-78-517	White with Switch with Clear Lens	Bargman/Wesbar Bulk
30-78-524	Black with Switch with Clear lens	Bargman/Wesbar Bulk
30-78-518	White with Switch with Amber Lens	Bargman/Wesbar Bulk
30-78-525	Black with Switch with Amber Lens	Bargman/Wesbar Bulk
Replacement Parts		
30-78-021	Lens #78 Clear	Bargman/Wesbar Bulk
30-78-022	Lens #78 Amber	Bargman/Wesbar Bulk

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

54209-020

54209-010

54209-005

54209-011

LED HEAVY DUTY AG LIGHTS

- Available in single and dual units, these lights meet all ASABE S279.15 lighting requirements including 4cp to side on amber lens
- Dual lights designed for right hand and left hand horizontal mounting
- Rugged external housing and lens design
- Same mounting foot print hardware and electrical connections as incandescent equivalent
- Brake functions wired with SQ-4 plug
- 6 in. x 5 1/2 in. x 3 in., 10 1/2 in. x 5 1/2 in. x 3 in.

Part Number	Description	Packaging
54209-009	Single LED AG Light with 2 Wire Leads - Lens: Rear-Red, Front-Blank	Bulk
54209-011	Single LED AG Light with 2 Wire Leads - Lens: Rear-Amber, Front-Amber	Bulk
54209-010	Single LED AG Light with 2-Way Plug - Lens: Rear-Red, Front-Blank	Bulk
54209-012	Single LED AG Light with 2-Way Plug - Lens: Rear-Amber, Front-Amber	Bulk
54209-013	Single LED AG Light with 3 Wire Leads - Lens: Rear-Red, Front-Blank	Bulk
54209-015	Single LED AG Light with 3 Wire Leads - Lens: Rear-Amber, Front-Amber	Bulk
54209-014	Single LED AG Light with 3-Way Plug - Lens: Rear-Red, Front-Blank	Bulk
54209-016	Single LED AG Light with 3-Way Plug - Lens: Rear-Amber, Front-Amber	Bulk
54209-019	Dual RH LED AG Light with 3 Wire Leads - Lens: Rear-Red/Amber, Front-Amber/Blank	Bulk
54209-005	Dual LH LED AG Light with 3 Wire Leads - Lens: Rear-Amber/Red, Front-Blank/Amber	Bulk
54209-020	Dual RH LED AG Light with 3-Way Plug - Lens: Rear-Red/Amber, Front-Amber/Blank	Bulk
54209-006	Dual LH LED AG Light with 3-Way Plug - Lens: Rear-Amber/Red, Front-Blank/Amber	Bulk
54209-021	Dual RH LED AG Light with 4 Wire Leads - Lens: Rear-Red/Amber, Front-Amber/Blank	Bulk
54209-007	Dual LH LED AG Light with 4 Wire Leads - Lens: Rear-Amber/Red, Front-Blank/Amber	Bulk
54209-022	Dual RH LED AG Light with 4-Way Square Plug - Lens: Rear-Red/Amber, Front-Amber/Blank	Bulk
54209-008	Dual LH LED AG Light with 4-Way Square Plug - Lens: Rear-Amber/Red, Front-Blank/Amber	Bulk

NOTE: Reference AG Lighting - Technical for mounting applications.
NOTE: Custom AG lighting and wiring kits are available. Contact your Horizon Global Representative for requirements and minimum annual quantities.

54003-040

LED ECONOMY AG LIGHT KIT
- Featuring left hand and right hand dual light units
- Includes 35 ft. wishbone wire harness, 7-pin AG plug and tri-plugs
- For protection in critical areas, 5 ft. of convoluted tubing included

Part Number	Description	Packaging
54003-040	Economy AG LED Light Kit	Boxed
Replacement Parts		
54209-006	Dual LH LED AG Light with 3-Way Plug - Lens: Rear-Amber/Red, Front-Amber/Blank	Bulk
54209-020	Dual RH LED AG Light with 3-Way Plug - Lens: Rear-Red/Amber, Front-Amber/Blank	Bulk

US Patent D347,903/5,335,155
NOTE: Reference AG Lighting - Technical for mounting applications.

54003-041

LED AG TRANSPORT LIGHT KIT
- Featuring left and right hand dual light units with brake function
- Includes 46 ft. round wishbone cable, four 90 lbs. magnets and a 7-pin round plug

Part Number	Description	Packaging
54003-041	Deluxe AG LED Transport Kit with Brake Light Function, 7-Pin	Boxed
Replacement Parts		
54209-008	Dual LH LED AG Light with 4-Way Square Plug - Lens: Rear-Amber/Red, Front-Amber/Blank	Bulk
54209-022	Dual RH LED AG Light with 4-Way Square Plug - Lens: Rear-Red/Amber, Front-Amber/Blank	Bulk
002590	Magnet Kit, 90 lbs.. Pull	Bagged

US Patent D347,903/5,335,155
Note: Reference AG Lighting - Technical for mounting applications.

54003-138

LED PEDESTAL MOUNT AG LIGHTS
- Meets ASABE S279, FMVSS-108DOT, and EC requirements
- AMECA certified
- Custom connector options available
- Amber lamps meet 4cp sidelight requirements in horizontal and vertical mounting options
- Lamps are Waterproof with 16 wire gage
- Diameter 4-3/4 in. x Height 5 in. x Cable Length 12 in.

Part Number	Description	Packaging
54209-031	Pedestal Mount Single AG LED Light with Amber/Amber	Carton
54209-032	Pedestal Mount Single AG LED Light with Red	Carton
54209-047	Pedestal Mount AG LED Light with Amber	Carton
54209-048	Pedestal Mount Single AG LED Light with Red	Carton
54003-137	Economy AG LED Light Kit, 7-Pin, with Pedestal Mount Amber/Amber/Red, Tri-Mold with 35' Wishbone Harness	Carton
54003-138	Deluxe AG LED Transport Kit with Brake Light Function, 7-Pin, Amber/Amber/Red, with 46' Wishbone Harness	Carton

NOTE: Custom AG lighting and wiring kits are available. Contact your Horizon Global Representative for requirements and minimum annual quantities.

002670

ECONOMY AG LIGHT KIT

- Featuring left hand and right hand dual light units
- Includes 35 ft. wishbone wire harness, 7-pin AG plug and tri-plugs
- For protection in critical areas, 5 ft. of convoluted tubing included

Part Number	Description	Packaging
002670	Economy AG Light Kit	Boxed
Replacement Parts		
8260001	Dual AG Light with Amber/Red	Bulk
8260101	Dual AG Light with Red/Amber	Bulk

US Patent D347,903/5,335,155
Note: Reference AG Lighting - Technical for mounting applications.
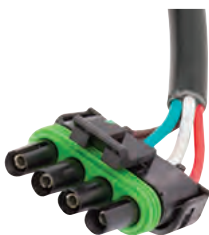*NOTE: Custom AG lighting and wiring kits are available. Contact your Horizon Global Representative for requirements and minimum annual quantities.*

8260501

2-Way Weatherpack Plug

4-Way Weatherpack Plug

8261605

HEAVY DUTY AG LIGHT KITS

- Featuring left hand and right hand dual light units
- Includes 35 ft. wishbone wire harness, 7-pin AG plug and tri-plugs
- For protection in critical areas, 5 ft. of convoluted tubing included

Part Number	Description	Packaging
8260501	Single AG Light 2 Wire with 3-Way Plug - Lens: Rear-Red, Front-Blank	Bulk
8260601	Single AG Light 2 Wire with 3-Way Plug - Lens: Rear-Amber, Front-Amber	Bulk
8261001	Single AG Light 3 Wire with 3-Way Plug - Lens: Rear-Red, Front-Blank	Bulk
8260502	Single AG Light 2 Wire with 2-Way Weatherpack Plug - Lens: Rear-Red, Front-Blank	Bulk
8260602	Single AG Light 2 Wire with 2-Way Weatherpack Plug - Lens: Rear-Amber, Front-Amber	Bulk
8261002	Single AG Light 3 Wire with 3-Way Weatherpack Plug - Lens: Rear-Red, Front-Blank	Bulk
8260001	Dual LH AG Light 3 Wire with 3-Way Plug - Lens: Rear-Amber/Red, Front-Blank/Amber	Bulk
8260101	Dual RH AG Light 3 Wire with 3-Way Plug - Lens: Rear-Red/Amber, Front-Amber/Blank	Bulk
8261501	Dual LH AG Light 4 Wire with 4-Way Square Plug- Lens: Rear-Amber/Red, Front-Blank/Amber	Bulk
8261601	Dual RH AG Light 4 Wire with 4-Way Square Plug- Lens: Rear-Red/Amber, Front-Amber/Blank	Bulk
8261605	Dual RH AG Light 4 Wire with 4-Way Weatherpack Plug-Lens: Rear-Red/Amber, Front-Amber/Blank	Bulk
Replacement Parts		
30-90-157	Bulb #1157, Double Filament	Bulk
802650	Lens Amber, AG Lamp	Bulk
802651	Lens Red, AG Lamp	Bulk
802652	Insert Black, AG Lamp	Bulk

Note: Reference AG Lighting - Technical for mounting applications.
NOTE: Custom AG lighting and wiring kits are available. Contact your Horizon Global Representative for requirements and minimum annual quantities.

AG TRANSPORT LIGHT KITS

- Featuring left and right hand dual light units with brake function
- Includes 46 ft. round wishbone cable, four 90 lbs. magnets and either a 7-pin or 6-pin round plug

002675

Part Number	Description	Packaging
002675	Deluxe AG Transport Kit with Brake Light Function, 6-Pin	Boxed
002676	Deluxe AG Transport Kit with Brake Light Function, 7-Pin	Boxed
Replacement Parts		
8261501	Dual AG Light with Amber/Red with Brake Light Function	Bulk
8261601	Dual AG Light with Red/Amber with Brake Light Function	Bulk
002590	Magnet Kit, 90 lbs.. Pull	Bulk

US Patent D347,903/5,335,155
Note: Reference AG Lighting - Technical for mounting applications.

LED WORK LIGHTS

- Perfect for exterior use in AG, horse, livestock, RV, industrial and racing applications
- Environmentally sealed design with aluminum housing and stainless steel mounting stud
- High power, true white 9-36V, 10W light emission
- Rectangular version with 10 LED diodes, circular model has 8 LED diodes
- Circular: 4.50 in. diameter x 1.50 in. depth
- Rectangular: 4 in. x 4 in. x 1.50 in. depth

54209-001

54209-025

Part Number	Description	Packaging
54209-001	Circular LED Light, 8 Diodes	Bulk
54209-002	Rectangular LED Light, 10 Diodes	Bulk
54209-025	Rectangular LED Light, 10 Diodes with Molded 2-Flat Plug	Bulk

LED WORK LIGHTS WITH COILED CORD AND MAGNETIC BASE

- Perfect for exterior use in AG, horse, livestock, RV, industrial and racing applications
- Environmentally sealed design with 19 ft. extended coiled cord
- Magnetic base, with protective film, secures in high vibration conditions in a vertical or horizontal position
- Power adapter for 12V outlet with separate on/off switch
- High power, true white 9-36V, 10W light emission
- Rectangular version with 10 LED diodes, circular model has 8 LED diodes
- Circular: 4.5 in. diameter x 1.875 in. depth
- Rectangular: 4 in. x 4 in. x 1.75 in. depth

54209-017

54209-018

Part Number	Description	Packaging
54209-017	Circular LED Light, with Cord, Magnetic Base, 8 Diodes	Bulk
54209-018	Rectangular LED Light, with Cord, Magnetic Base, 10 Diodes	Bulk

BULB SPECIFICATION

30-90-156	30-90-157	108891	30-84-057	30-90-021 / 34-90-021

Part Number	Bulb Type	Mean Spherical	Rated Amps / Candle Power	Watts	Packaging
30-90-156	1156	32	2.10	26.880	Bulk
30-90-157	1157	32/3	2.10/0.59	26.880/8.260	Bulk
108891	193	2	0.33	4.620	Bulk
30-84-057	2057	32/2	2.10/0.48	26.880/6.720	Bulk
30-90-021	921	21	1.40	17.920	Bulk
34-90-021†	921	21	1.40	17.920	Bagged

NOTE: Tail Lights, Clearance/Side Marker Lights and ID Light Bars approved for trailer accessory and towing application use. Contact your Horizon Global Representative for details.

† = Available While Supplies Last.

LIGHTING TERMINOLOGY

"Over 80" Combination Tail Lights

These units meet seven or eight DOT-108 lighting requirements when properly mounted. Seven function units meet tail light, stop light, rear turn signal light, rear reflex reflector, rear side marker light, rear side reflex reflector and rear clearance light. The eighth function met is license plate light. Trailers over 80 inches wide require the addition of front Clearance Lights and Rear Identification (ID) Lights. Consult Title 49 – Code of Federal Regulations-Section 571.108 (USA) or Section 108 of the Motor Vehicle Safety
Regulations (Canada) for additional compliance requirements.

"Under 80" Combination Tail Lights

These units meet six or seven DOT-108 lighting requirements when properly mounted. Six function units meet tail light, stop light, rear turn signal light, rear reflex reflector, rear side marker light and rear side reflex reflector. The seventh function met is license plate light. Consult Title 49 – Code of Federal Regulations-Section 571.108 (USA) or Section 108 of the Motor Vehicle Safety Regulations (Canada) for additional
compliance requirements.

"PC" Rated Clearance/Side Marker Lights

A single unit meets DOT-108 lighting requirements and has been photometrically certified at a specific installation angle to provide both clearance light and side marker light. In most cases, the light will have to be mounted on a 45° angle, Consult Title 49 – Code of Federal Regulations-Section 571.108 (USA) or Section 108 of the Motor Vehicle Safety Regulations (Canada) for additional compliance requirements to meet both functions' requirements with just one unit.

LIGHTING TIPS AND FAQS

Do I have to use a light or can I use a reflector instead?
Lighting and conspicuity requirements are governed by FMVSS and CMVSS 108. Their use is determined by safety and identification requirements.

Why use LED and not Incandescent? The key difference is the way both technologies operate. While both technologies are an acceptable means for vehicle lighting, LED is the stronger technology in Energy Efficiency, Light Output, Reliability, Safety and Life Expectancy.

Do LED lights have to be mounted differently than Incandescent? No, the FMVSS/CMVSS 108 mounting requirements are the same.

When retrofitting a Bargman 59 or 84/85/86 Series Incandescent light with LED can the old lenses be reused? No, Bargman 59 and 84/85/86 Series LED module kits come with pre-assembled lenses and a simple "plug & play" replacement design.

What does stop/tail/turn mean? How many lights do I need to use to achieve it? Are they the same as "Tail Lights"? Stop/Tail/Turn is a combination rating meaning a specific light or grouping of lights in an assembly meet the requirements for this named combination. This rating can be achieved using 1 light alone as long as the light source meets the requirements for the specific application.

Why does Horizon Global offer so many different types and styles of lights for a vehicle? Horizon Global is never satisfied with the status quo and is continually striving to design lights that will meet the designated federal requirements and fit our customer's specific application needs.

When using a Multi-Function Stop/Tail/Turn Light, is a Backup Light function required and does it matter where the Backup Light is located? The requirement for and location of the Backup Light is determined by vehicle type **and FMVSS/CMVSS 108 requirements.**

Why are some Turn Signal Lights Red and others Amber, does it matter which color I use? Yes, the color does matter. While both colors are acceptable for turn signals, the color use is primarily driven by the "Stop" Function. When using a multi-function Stop/Turn light, the color must be Red as required by FMVSS/ CMVSS 108 requirements.

What does "Over" or "Under" 80 refer to? This is a reference to a vehicles width in inches. There are differing FMVSS/CMVSS 108 requirements covering this dimensional reference point.

What are "Over 80" Combination Tail Lights?
These units meet seven or eight lighting requirements as defined by FMVSS/CMVSS 108.

What are "Under 80" Combination Tail Lights? These units meet six or seven lighting requirements as defined by FMVSS/CMVSS 108.

What is the difference between Side Marker and Clearance Lights? Side Marker Lights are mounted on the side of a vehicle and are used to define its length. Clearance Lights are mounted on the front and rear of a vehicle and are used to define its width.

What are "PC" Side Marker/Clearance Lights?
These lights meet the FMVSS/CMVSS 108 requirements for photometric certification as both Clearance and Side Marker Lights when properly mounted.

The symbol is for Wet Location Lights. What does it mean? Wet Location Lighting products in this catalog are either: "Waterproof/Sealed" or "Submersible" and are safe to use on marine and other trailers that will be in and around the water or UL listed as suitable for wet location use.

What are Submersible Lights? Submersible lights purposely allow water to enter the light assembly, however a cushion of air forms when water enters the light and will protect the bulbs and electrical connectivity from damage. This natural phenomenon is known as the "Bell Jar Principle". These lights are ideal for boat trailers and utility trailers that will be submersed in water.

What are Waterproof/Sealed Lights? "Waterproof" and "sealed" mean exactly the same - these lights are completely sealed and will not allow water to enter the inside of the light assembly. Many of our new LED Side/Marker and Tail Lights are completely sealed as to prevent water from damaging the circuit board and components associated with LED Technology.

Why are vehicle lights grounded? Vehicle lights are grounded in order to complete the electrical circuit. There are differing ways to ground them to meet various applications.

What is an ID Bar, and can one be used as a multi-function Stop/Tail/Turn as well? An ID Bar is an identification Bar. It consists of 3 lights and is required in order to identify the rear center location on over 80" vehicles. They May Not be used as Multi-Function Lights.

PIN BOXES

Founded in 1952, REESE® has become a household name in the heavy-duty towing industry. With proven designs that exceed the industry standards, REESE® has become the brand of choice when performance is the expectation.

REESE® provides the smoothest air-ride pin boxes on the market. Products engineered and designed by the long-time leader in the towing industry that automatically eliminates turning and clearance headaches. Engineered and developed by long-time veterans of the towing industry.

GOOSE BOX™
GOOSENECK COUPLER FOR RVs

Take the heavy equipment out of the truck bed!
The Goose Box™ gooseneck coupler is specifically designed for RV trailer owners who wish to tow with their gooseneck hitch.
- Replaces a traditional pin box so the RV works with a gooseneck hitch
- Step up to RV comfort and keep your gooseneck hitch
- Endorsed by Lippert Components, Inc. for their frame systems
- Includes 5th Airborne technology for a superb ride
- Lockable BULLDOG® gooseneck coupler
- Improved air bag, dual shocks and hollow rubber springs provide multi-directional shock absorption
- Increased height adjustment capability for todays taller truck beds

94720

See Page F-4

FEATURED

ELITE™ AIRBORNE™/SIDEWINDER™ COMBO

The best of both worlds. REESE® Elite™ pin boxes provide the smoothest ride on the market and automatically eliminates turning and clearance headaches.
- Provides all the benefits of both the REESE® 5th Airborne™ air-ride pin box and the REESE® Sidewinder™ pin box
- Enhances maneuverability and comfort
- Takes the worry out of traveling with a fifth wheel trailer
- Durable, lasting design for years of trouble free use
- 90-plus degree** turning with a short bed truck
- SAE/CSA rated 16K
- Limited lifetime warranty

61412

See Page F-5

**Warning: Not all vehicles and trailer combinations will allow a 90-plus degree turn.

REESE

GOOSE BOX™
PIN BOX REPLACEMENT

GET YOUR BED BACK

WARRANTY
LIMITED LIFETIME

94720 20K
94716 16K

Hollow Rubber Springs

Stable Air Bag

Dual Shocks

Lockable BULLDOG® Gooseneck Coupler

Take the heavy equipment out of the truck! The REESE® GOOSE BOX™ replaces a traditional pin box so an RV can be towed with the truck's gooseneck hitch all while providing a smooth, comfortable ride. Available in 16K and 20K capacities.
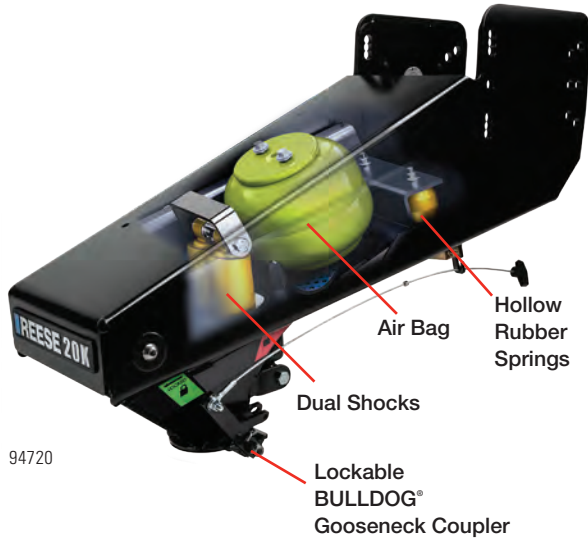
Automatically locks when coupling

Lockable BULLDOG® coupler for added security

Increased height adjustment for taller truck beds

94720

Air Bag

Hollow Rubber Springs

Dual Shocks

Lockable BULLDOG® Gooseneck Coupler

94716

GOOSE BOX™
GOOSENECK COUPLER FOR RVs

Take the heavy equipment out of the truck bed!
The Goose Box™ gooseneck coupler is specifically designed for RV trailer owners who wish to tow with their gooseneck hitch.

- Replaces a traditional pin box so the RV works with a gooseneck hitch
- Step up to RV comfort and keep your gooseneck hitch
- Endorsed by Lippert Components, Inc. for their frame systems
- Includes 5th Airborne technology for a superb ride
- Lockable BULLDOG® gooseneck coupler
- Improved air bag, dual shocks and hollow rubber springs provide multi-directional shock absorption
- Increased height adjustment capability for todays taller truck beds
- Easy reach lanyard
- Onboard safety chain storage
- Air pressure relief valve prevents overfilling
- Rated for 16K and 20K lbs. capacity utilizing both CSA and SAE J2638 test standards
- Fits Lippert #1621 and #1716 wing sets
- Limited lifetime warranty

WARRANTY
LIMITED LIFETIME

Part Number	Description
94716 **NEW**	Goose Box 16K Rated, For Lippert #1621 and #1716 Wing Sets (Carton)
94720 **NEW**	Goose Box 20K Rated, 2-5/16" Gooseneck RV Coupler For Lippert #1621 and #1716 Wing Sets
Accessory Parts	
49150	16K Safety Chain Kit (Contains: (2) Grade 70, 5/16" x 44" with 5/16" Clevis Hook and Mounting Hardware)
49151	20K Safety Chain Kit (Contains: (2) Grade 70, 5/16" x 44" with 5/16" Clevis Hook and Mounting Hardware)
61301	Spacer Kit

Fits wing set Make and Model #s: - Lippert #1621 - Lippert #1621 HD - Lippert #0719 - Fabex PB-600 Series
Spacer kit (#61301) required for installation on: - Lippert #1716 - Lippert #1116 - Lippert #0115
Patented and Patent Pending.

61412

61422

5AS16K

16K

ELITE™ AIRBORNE™/SIDEWINDER™ COMBO

The best of both worlds. REESE® Elite™ pin boxes provide the smoothest ride on the market and automatically eliminates turning and clearance headaches.

- Provides all the benefits of both the REESE® 5th Airborne™ air-ride technology and the REESE® Sidewinder™ pin box
- Enhances maneuverability and comfort
- Takes the worry out of traveling with a fifth wheel trailer
- Durable, lasting design for years of trouble free use
- 90-plus degree** turning with a short bed truck
- SAE/CSA rated 16K
- Limited lifetime warranty

WARRANTY LIMITED LIFETIME

OEM Part Number	Complete Part Number	Turret Part Number	Spacer Kit Part Number	Arm with King Pin Part Number	Rebuild Kit Part Number
Fabex 500 and 700 Series Lippert 1116, 0115, 1716 RBW 7019, 7028	61412	61300	61301	5AS16K	94316
Febex 600 Series M&M 663, 665 Lippert 0719, 1621 Lippert 1621 HD*	61422	61300	NA	5AS16K	94316
Venture CJ13515, CJ13517 Dexter 221-0033-00, 221-0031-00	61452	61302	NA	5AS16K	94316
Leland 7910, 7920, 7921	ST400-5AS16K	ST400	NA	5AS16K	94316

**Warning: Not all vehicles and trailer combinations will allow a 90-plus degree turn.
*Not to exceed 16K GTWR

61300

94316

61301

⚠ WARNING

Check compatibility of your fifth wheel hitch with The Sidewinder or 5th Airborne Sidewinder. Refer to the specific product page for Sidewinder or 5th Airborne Sidewinder for up to date fifth wheel hitch compatibility.

16K AND 19K SIDEWINDER™

Nimble and quick, worry-free turning REESE® Sidewinder , is the premium pin box designed specifically for short bed pickups. It is designed to automatically eliminate turning and clearance headaches. Now you can make up to 90-degree plus** turns without exiting the truck. Without throwing a switch. Without pushing a button.

- Sidewinder's king pin locking mechanism moves the pivot position 22-in rear of the pin box's attachment point. By moving the pivot rearward while keeping the load centered over the axles, the trailer automatically tracks more closely to the truck
- The pivoting pin box makes hook up possible at any angle
- With the towing position of the pin box arm locked in line with the truck, you can make full use of the truck bed space, giving you extra storage space for fuel tanks, toolboxes and cargo
- Testing by BOSCH automotive proving grounds and exceeds all SAE/CSA Standard 16K and 19K ratings requirements for RVs

WARRANTY LIMITED LIFETIME

61410

SW16K

16K OEM Part Number	Complete Part Number	Turret Part Number	Spacer Kit Part Number	Arm with King Pin Part Number	Rebuild Kit Part Number
Fabex 500 and 700 Series Lippert 1116, 0115, 1716 RBW 7019, 7028	61410	61300	61301	SW16K	86005
Febex 600 Series M&M 663, 665 Lippert 0719, 1621 Lippert 1621 HD*	61420	61300	NA	SW16K	86005
Venture CJ13515, CJ13517 Dexter 221-0033-00, 221-0031-00	61450	61302	NA	SW16K	86005
Leland 7910, 7920, 7921	ST400-SW16K	ST400	NA	SW16K	86005

**Warning: Not all vehicles and trailer combinations will allow a 90-plus degree turn.
*Not to exceed 16K GTWR

61411

19K

SW19K

19K OEM Part Number	Complete Part Number	Turret Part Number	Spacer Kit Part Number	Arm with King Pin Part Number	Rebuild Kit Part Number
Fabex 500 and 700 Series Lippert 1116, 0115, 1716 RBW 7019, 7028	61411	61300	61301	SW19K	86005
Febex 600 Series M&M 663, 665 Lippert 0719, 1621 Lippert 1621 HD*	61421	61300	NA	SW19K	86005
Leland 7910, 7920, 7921	ST400-SW19K	ST400	NA	SW19K	86005

**Warning: Not all vehicles and trailer combinations will allow a 90-plus degree turn.
*Not to exceed 19K GTWR

16K AND 21K 5TH AIRBORNE™

5AB-E1621-16K

5AB-S500-700

Make your next getaway a breeze. Your fifth wheel takes a lot of abuse from turbulence caused by potholes, section dividers, bridge decks and heavily worn interstate highways.

- The 5th Airborne™ premium fifth wheel air-ride pin box acts as a buffer between the tow vehicle and the trailer, minimizing the challenges in the road. This significantly reduces the negative impact of vertical shock and longitudinal chucking. The 5th Airborne™ does more than improve your ride; it protects your investments by relieving stress on your coach's frame, cabinets, mechanical, and support mechanisms. Drivers and passengers also benefit from reduced fatigue and the improved safety provided by the 5th Airborne's smooth ride

- Engineered and developed by long-time veterans of the towing industry

WARRANTY LIMITED LIFETIME

OEM Part Number	16K Rated Complete Part Number	21K Rated Complete Part Number
Lippert 1621*	5AB-E1621-16K	NA
Fabex 500 Series STD Lippert 1116, 0115 RBW 7019	NA	5AB-S500-700
Leland 7910, 7920, 7921	NA	5AB-E7920†
Fabex 500 Series EXT and 765 Lippert 1716 RBW7028	NA	5AB-E510-710
Fabex 665 M&M 665 Lippert 1621, 61621 HD, 1621 SHD	NA	5AB-E1621-610

*Excluding HD models
† = Available While Supplies Last.

10K AND 16K REVOLUTION™ COMBO

61510

61516

Replacement pin box for trailers with OE Revolution™. REESE® Revolution™, with a limited lifetime warranty, is designed specifically as a replacement for trailers mounted with OE Revolution™ pin boxes.

- Make up to 90-degree plus** turns without exiting the truck. Without throwing a switch. Without pushing a button

- Revolution™ also offers faster steering wheel response, making backing up easier than ever before

- The pivoting pin box makes hook up possible at any angle

- Since the towing position of the pin box arm is locked in line with the truck, you can make full use of the truck bed space, giving you extra storage space for fuel tanks, toolboxes and cargo

WARRANTY LIMITED LIFETIME

OEM Part Number	Complete Part Number (No Wings)	Left Hand Wing Part Number	Right Hand Wing Part Number	Rebuild Kit Part Number
OE Trailers Mounted with Reese 10K Revolution Pin Box	61510	61500	61501	86110
OE Trailers Mounted with Reese 16K Revolution Pin Box	61516	NA	NA	86016

**Warning: Not all vehicles and trailer combinations will allow a 90-plus degree turn.

CUSTOM WEDGES

- Designed to work with the Sidewinder™ and Elite™ Airborne™ / Sidewinder™
- Replacement wedge that is designed for specific fifth wheel hitches

Part Number	Description
SWW-01	Custom Wedge for Elite Series and Reese 20K Fifth Wheels
30850	Custom Wedge for Slide-Bar Style Fifth Wheels
SWW-03	Custom Wedge for Reese 16K Fifth Wheels (Dual Jaw, Except Titan)
30865	Custom Wedge for Reese Sidewinder and Reese Titan Fifth Wheels
SWW-04	Custom Wedge for Original Husky Fifth Wheels
SWW-05	Custom Wedge for Hi-Jacker Fifth Wheels
SWW-06	Custom Wedge for B&W Fifth Wheels
SWW-07	Custom Wedge for RBW and Newer Husky Fifth Wheels
SWW-08	Custom Wedge for Colibert Fifth Wheels
SWW-09	Custom Wedge for PullRite Fifth Wheels
31016	Custom Wedge for Curt A16
30861	Custom Wedge for Curt E16

SWW-03

SWW-05

SWW-06

30865

SWW-07

30850

SWW-04

SWW-08

SWW-01

GOOSENECK HITCHES

Draw-Tite® gooseneck hitches are offered in a few types of configurations. They are designed to be mounted above or below the pickup bed. Either design (above or below) allows for minimal obstruction when the ball is not in the towing position. This permits full use of the pick-up bed.

30K REMOV-A-BALL®
GOOSENECK HITCH HEAD

- Allows full use of pick-up bed area when hauling cargo
- In-truck platform is rated for 30,000 lbs. gross trailer weight and 7,500 lbs. vertical load and tested to V.E.S.C.-19 specs for 30,000 lbs. gross vehicle weight rating
- No alteration of OE exhaust systems required
- Accommodates all standard vehicle suspensions
- 2-5/16 in. high strength zinc plated ball standard
- Spring loaded chrome sliding pin ensures positive ball lock
- Lockable to prevent ball theft (lock not included)
- Magnetic cover protects ball hole and activating lever slot when not in use
- In-truck platform may be used with rail kits or installed directly to any vehicle with adequate securing structure
- Rail kits are rated to match manufacturer's vehicle weight ratings
- Spring loaded safety chain loops included
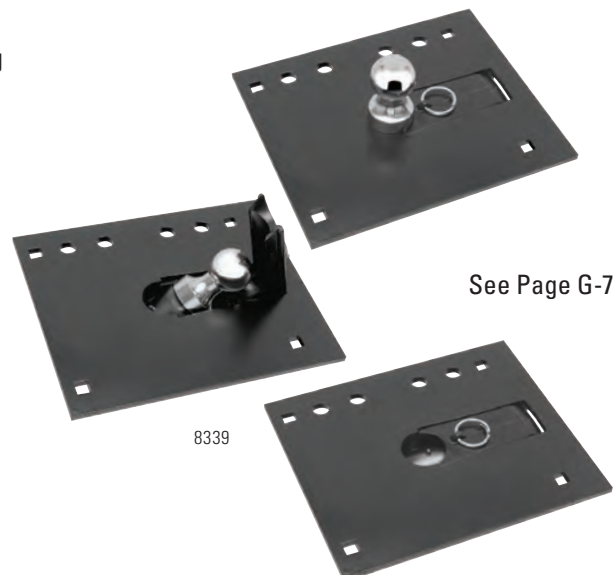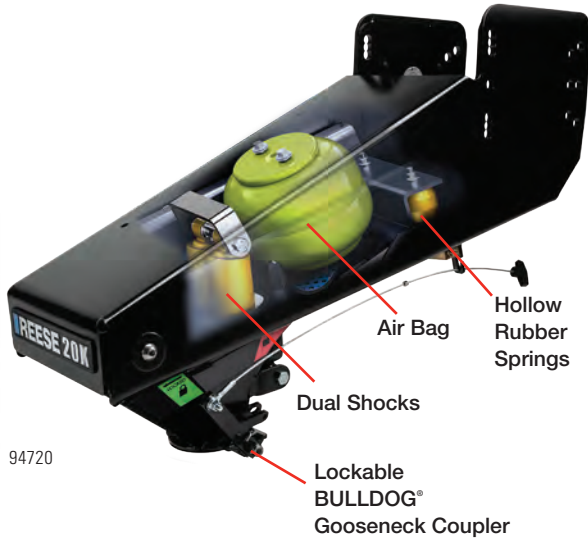- Requires installation rail kit

See Page G-7

6300

FEATURED

25K FOLD-DOWN
GOOSENECK HITCH HEAD

- Access Fold-Down design allows unrestricted use of the truck bed when not towing
- Platform and ball rated for 25,000 lbs. gross vehicle towing weight and 6,250 lbs. vertical load
- Takes only seconds to raise or lower the ball into position
- 2-5/16 in. high strength chrome plated ball standard
- Includes mounting hardware and integrated drop down spring loaded safety chain loops
- Oversize pull ring allows user to raise or lower the ball while wearing gloves
- Integrated grease fitting is visible and easily accessible
- Rail kits to match manufacturer's vehicle weight ratings
- No alteration of factory exhaust systems required
- Requires installation rail kit

See Page G-7

8339

94720

Air Bag

Hollow
Rubber
Springs

Dual Shocks

Lockable
BULLDOG®
Gooseneck Coupler

GOOSE BOX™
GOOSENECK COUPLER FOR RVs

Take the heavy equipment out of the truck bed!
The Goose Box™ gooseneck coupler is specifically designed for RV trailer owners who wish to tow with their gooseneck hitch.

- Replaces a traditional pin box so the RV works with a gooseneck hitch
- Step up to RV comfort and keep your gooseneck hitch
- Endorsed by Lippert Components, Inc. for their frame systems
- Includes 5th Airborne technology for a superb ride
- Lockable BULLDOG® gooseneck coupler
- Improved air bag, dual shocks and hollow rubber springs provide multi-directional shock absorption
- Increased height adjustment capability for todays taller truck beds
- Easy reach lanyard
- Onboard safety chain storage
- Air pressure relief valve prevents overfilling
- Rated for 16K and 20K lbs. capacity utilizing both CSA and SAE J2638 test standards
- Fits Lippert #1621 and #1716 wing sets
- Limited lifetime warranty

WARRANTY LIMITED LIFETIME

Part Number	Description
94716 **NEW**	Goose Box 16K Rated, For Lippert #1621 and #1716 Wing Sets (Carton)
94720 **NEW**	Goose Box 20K Rated, 2-5/16" Gooseneck RV Coupler For Lippert #1621 and #1716 Wing Sets
Accessory Parts	
49150	16K Safety Chain Kit (Contains: (2) Grade 70, 5/16" x 44" with 5/16" Clevis Hook and Mounting Hardware)
49151	20K Safety Chain Kit (Contains: (2) Grade 70, 5/16" x 44" with 5/16" Clevis Hook and Mounting Hardware)
61301	Spacer Kit

Fits wing set Make and Model #s: - Lippert #1621 - Lippert #1621 HD - Lippert #0719 - Fabex PB-600 Series
Spacer kit (#61301) required for installation on: - Lippert #1716 - Lippert #1116 - Lippert #0115
Patented and Patent Pending.

94716

Automatically locks
when coupling

Lockable BULLDOG®
coupler for added security

Increased height adjustment
for taller truck beds

ELITE™ SERIES UNDER-BED GOOSENECK HITCH SYSTEM

30138-26 - Ford Application

30158 - Dodge / RAM Application

30158-68 - Chevrolet / GMC Application

ELITE RE 25

- Easy Under-Bed bolt-in installation
- Rated for 25,000 lbs. gross weight capacity*
- Passes SAE J2638, the toughest industry standard
- Pop-In™ Ball lever inside ball head activates ball bearing locking system, lift and turn lever to unlock and remove ball
- Two safety chain holders attach directly to rail system
- Fifth wheel ready using outer four holes to mount a fifth wheel hitch
- Hole cover keeps Pop-In™ Ball sleeve free of debris
- Includes storage bag
- Patented and Patents pending

WARRANTY LIMITED LIFETIME

Part Number	Description	Application
30138-26	Elite Gooseneck Complete Hitch (Includes #30126 Rail and Pop-in Ball Kit)	2011-2015 Ford F-250, F-350 and F-450, (Aligns to Center Hole)
30138	Elite Gooseneck Head with Pop-In 2-5/16" Ball (Use with #30126 Rail Kit)	2011-2015 Ford F-250, F-350 and F-450, (Aligns to Center Hole)
30158-68	Elite Gooseneck Complete Hitch (Includes #30868 Rail and Pop-in Ball Kit)	2011-2016 Chevrolet Silverado Sierra 2500 and 3500 HD
30158	Elite Gooseneck Head with Pop-In 2-5/16" Ball (Use with #30852 or #30868 Rail Kit)	2011-2016 Chevrolet Silverado GMC Sierra 2500 and 3500 HD
30158-52	Elite Gooseneck Complete Hitch (Includes #30852 Rail and Pop-in Ball Kit)	2010-2012 Dodge RAM 2500 and 3500 HD
30158	Elite Gooseneck Head with Pop-In 2-5/16" Ball (Use with #30852 or #30868 Rail Kit)	2010-2012 Dodge RAM 2500 and 3500 HD

*Your actual weight capacity is limited to the towing vehicle or gooseneck rail kit capacity

25K

APPLICATION GUIDE
Elite™ Series under-bed gooseneck hitch system

Make / Model	Style	Years	Rail Part Number	Head Part Number	Combo Kit Part Number
Chevrolet / GMC					
Silverado Sierra 2500 HD	Except with OEM HD Towing Prep Package	11-19	30868	30158	30158-68
Silverado Sierra 3500 HD	Except with OEM HD Towing Prep Package	11-19	30868	30158	30158-68
Dodge / RAM					
Ram 2500		10-12	30852	30158	30158-52
Ram 3500		10-12	30852	30158	30158-52
Ford					
F-250/350 Super Duty	Except Cab and Chassis	11-16	30126	30138	30138-26
F-450 Super Duty	Except Cab and Chassis	11-16	30126	30138	30138-26

REESE

30K

ELITE™ SERIES POP-IN™ BALL KIT

ELITE RE 30

- Ball rated for 30,000 lbs. capacity*
- Pop-In™ Ball – lever inside ball head activates ball bearing locking system, lift and turn lever to unlock and remove ball
- Two safety chain holders
- Hole cover keeps Pop-In™ Ball sleeve free of debris
- Storage bag included
- Patents pending

WARRANTY LIMITED LIFETIME

30888

Part Number	Description
30137	Elite Pop-In Ball Kit - Includes: (1) 2-5/16" Pop-In Ball #19311, (1) Storage Bag, (2) Safety Chain Attachments and (1) Hole Cover
30140	Elite Series Under-Bed Gooseneck Accessories Kit, RAM OEM Kit Only - Includes: 2-5/16" Pop-In Ball #19311, Storage Bag, Safety Chain Attachments and Hole Cover
30888 **NEW**	Elite Pop-In Ball Kit- RAM OEM Kit Only - Includes: (1) 2 5/16" Pop-In Ball #19311, (1) Storage Bag, (2) Safety Chain Attachments #30887 and (1) Hole Cover
Replacement Parts	
30134	Safety Chain Attachment for Elite Under-Bed Gooseneck Hitch (1 pack)
58468	Safety Chain Attachment for Elite Under-Bed Gooseneck Hitch (2 pack)
30887 **NEW**	Safety Chain Attachment (Qty. 1) for Under-Bed Gooseneck, RAM OEM Kit Only
30145	Safety Chain Attachment (Qty. 1) for Elite Under-Bed Bolt-On Gooseneck, RAM OEM Kit Only
30136	Hole Cover for Elite Under-Bed Gooseneck Hitch
30135	Storage Bag for Elite Under-Bed Bolt-On Gooseneck 2-5/16" Pop-In Ball #19311
19315	1" High Rise, 2-5/16" Pop-In Ball for Elite Under-Bed Gooseneck Hitch (Not for use with GM factory installed rail systems)
19311	2-5/16" Pop-In Ball for Elite Under-Bed Gooseneck Hitch
19314	3" Pop-In Ball for Elite Under-Bed Gooseneck Hitch

30135   19311   30136
30887

25K

ELITE™ SERIES ABOVE-BED GOOSENECK HITCH

ELITE RE 25

- Rated for 25,000 lbs. capacity
- 2-5/16 in. high strength zinc plated ball
- Specifically designed for the Professional tower who employs both fifth wheel and gooseneck trailers
- Utilizes the same vehicle specific under-bed rail kit system as the Elite™ fifth wheel
- Above-Bed Gooseneck can be easily removed for unobstructed use of the truck bed
- Weather resistant plastic covering provides protection from the elements and adds aesthetic appeal
- Built-in chain bracket to accommodate safety chain

WARRANTY LIMITED LIFETIME

30845

Part Number	Description
30845	25K Elite Series Gooseneck (For use with Elite Series Rails Only)
58419	Service Kit Adapter for Signature Series Fifth Wheels and Goosenecks when used on Elite Rail Kits (#30126 and #30868) and Ford OEM Rail Kits

*Your actual weight capacity is limited to the towing vehicle or gooseneck rail kit capacity

DRAW-TITE® GOOSENECK HITCH SYSTEMS

- Draw-Tite® has designed a number of Gooseneck Hitch Systems to meet your gooseneck towing needs. The secret of the system is in the rail kit. We've designed rail kits to fit your specific truck that can attach to your choice of: Hide-A-Goose™, Fold-Down or Remov-A-Ball® heads.
- Easy install, reliable service
- Same rail kit - 3 methods of head attachment (use fit guide below and select your vehicle)
  - Option #1 Hide-A-Goose™ – ball stores in truck bed
  - Option #2 Fold-Down – ball folds down in truck bed
  - Option #3 Remov-A-Ball® – ball removes and is stored separately

WARRANTY LIMITED LIFETIME

30K

9460
9464

9465

30K HIDE-A-GOOSE™ GOOSENECK HITCH HEAD

DRAW-TITE® HIDE-A-GOOSE

- Rated up to 30,000 lbs. gross trailer weight and 7,500 lbs. vertical load, tested to SAE J2638 Static and REESE® Dynamic Specs
- Allows full use of pick-up bed area when hauling cargo
- No alteration of OE exhaust systems required
- Accommodates all standard vehicle suspensions
- 2-5/16 in. high strength chrome plated ball standard, 3 in. ball optional
- Magnetic cover protects ball hole when not in use
- Dynamic Specs for 30,000 lbs. gross vehicle weight rating
- Rail kits to match manufacturer's vehicle weight ratings
- Spring loaded safety chain loops included
- Requires installation rail kit

WARRANTY LIMITED LIFETIME

9466

9467

Part Number	Description	Weight Rating (lbs.)	Pin Capacity (lbs.)
9460	Hide-A-Goose Wide Hitch Head	30,000	7,500
9465	Hide-A-Goose Narrow Hitch Head	30,000	7,500
9464	Hide-A-Goose Wide Hitch Head	30,000	7,500
9466	Hide-A-Goose Hitch Head, Ram 3500	30,000	7,500
9467	Hide-A-Goose Hitch Head, Ram 2500	20,000	5,000
9468	Hide-A-Goose Hitch Head, Ford Super Duty 17-19	32,500	7,500

9468

GOOSENECK HITCHES

DRAW-TITE®

25K

8339

25K FOLD-DOWN GOOSENECK HITCH HEAD

- Access Fold-Down design allows unrestricted use of the truck bed when not towing
- Platform and ball rated for 25,000 lbs. gross vehicle towing weight and 6,250 lbs. vertical load
- Takes only seconds to raise or lower the ball into position
- 2-5/16 in. high strength chrome plated ball standard
- Includes mounting hardware and integrated drop down spring loaded safety chain loops
- Oversize pull ring allows user to raise or lower the ball while wearing gloves
- Integrated grease fitting is visible and easily accessible
- Rail kits to match manufacturer's vehicle weight ratings
- No alteration of factory exhaust systems required
- Requires installation rail kit

WARRANTY LIMITED LIFETIME

Part Number	Description
8339	Fold-Down Gooseneck Hitch Head

30K

6300

30K REMOV-A-BALL® GOOSENECK HITCH HEAD

REMOV-A-BALL®

- Allows full use of pick-up bed area when hauling cargo
- In-truck platform is rated for 30,000 lbs. gross trailer weight and 7,500 lbs. vertical load and tested to V.E.S.C.-19 specs for 30,000 lbs. gross vehicle weight rating
- No alteration of OE exhaust systems required
- Accommodates all standard vehicle suspensions
- 2-5/16 in. high strength zinc plated ball standard
- Spring loaded chrome sliding pin ensures positive ball lock
- Lockable to prevent ball theft (lock not included)
- Magnetic cover protects ball hole and activating lever slot when not in use
- In-truck platform may be used with rail kits or installed directly to any vehicle with adequate securing structure
- Rail kits are rated to match manufacturer's vehicle weight ratings
- Spring loaded safety chain loops included
- Requires installation rail kit

WARRANTY LIMITED LIFETIME

Part Number	Description
6300	Remov-A-Ball Gooseneck Hitch Head

25K

49080

25K ABOVE-BED GOOSENECK HITCH

- In-truck platform rated for 25,000 lbs. gross vehicle towing weight and 6,250 lbs. vertical load
- Easy installation and removal allows for full access to truck bed
- Utilizes same base rails as our fifth wheel hitches
- 2-5/16 in. high strength zinc ball
- Ball is offset 2 in. to accommodate 6 and 8-ft truck beds

WARRANTY LIMITED LIFETIME

Part Number	Description	Capacity (lbs.)	Pin Capacity (lbs.)
49080	25K Gooseneck Hitch	25,000	6,250
58208	Chevrolet Composite Bed Kit for Gooseneck		

25K

THE GOOSE® 25K ABOVE-BED GOOSENECK HITCH

- Easy installation and removal allows for full access to truck bed
- Utilizes same base rails as our fifth wheel hitches
- 2-5/16 in. high strength zinc plated ball
- In-truck platform rated for 25,000 lbs. gross vehicle towing weight and 6,250 lbs. vertical load
- Black powder coat finish

WARRANTY LIMITED LIFETIME

58079

Part Number	Description
58079	25K Gooseneck Hitch
58208	Chevrolet Composite Bed Kit for Gooseneck

NOTE: Rails and installation kit must be ordered separately (#30035).

APPLICATION GUIDE
Draw-Tite® Gooseneck Hitch Systems

MAKE/MODEL	STYLE	YEARS	RAIL	FN	HEAD	COMBO KIT	FOLD DOWN	REMOVABALL
CHEVROLET/GMC								
C/K Series	Except Crew Cab	88-00	4440	KE	9465	9465-40	8339	6300
Silverado/Sierra 1500	LD (Old Body Style) Does Not Fit MagneRide Magnetic Ride Suspension	99-19	4454	TV	9465	9465-54	8339	6300
Silverado/Sierra 1500 HD	(Classic)	01-07	4454		9465	9465-54	8339	6300
Silverado/Sierra 2500		99-04	4434		9465	9465-34	8339	6300
Silverado/Sierra 2500	6.6 ft. Bed	99-04	4454		9465	9465-54	8339	6300
Silverado/Sierra 2500 HD		01-10	4434		9465	9465-34	8339	6300
Silverado/Sierra 2500 HD	Except with OEM HD Towing Prep Package	11-19	4456	KH	9465	9465-56	8339	6300
Silverado/Sierra 3500	8 ft. Bed	01-07	4445		9465	9465-45	8339	6300
Silverado/Sierra 3500 HD		07-10	4434		9465	9465-34	8339	6300
Silverado/Sierra 3500 HD	Except with OEM HD Towing Prep Package	11-19	4456	KH	9465	9465-56	8339	6300
DODGE/RAM								
Ram 1500		94-01	4439		9460	9460-39	8339	6300
Ram 1500	Except Mega Cab	02-08	4438		9464	9464-38	8339	6300
Ram 1500	Mega Cab	06-08	4435	JR	9464	9464-35	8339	6300
Ram 1500		09-10	4446		9464	9464-46	8339	6300
Ram 1500	Except w/Air Suspension	11-18	4446		9464	9464-46	8339	6300
Ram 2500		94-02	4439		9460	9460-39	8339	6300
Ram 2500		03-12	4435	JR	9464	9464-35	8339	6300
Ram 2500		10-13	4457	JR,TX	9464	9464-57	8339	6300
Ram 2500	(Gooseneck Head Does Not Require Rail Kit)	14-19			9467			
Ram 3500		94-02	4439		9460	9460-39	8339	6300
Ram 3500		03-12	4435	JR	9464	9464-35	8339	6300
Ram 3500		10-12	4457	JR,TX	9464	9464-57	8339	6300
Ram 3500	(Gooseneck Head Does Not Require Rail Kit)	13-18			9466			
FORD								
F-150		04-14	4437		9465	9465-37	8339	6300
F-150	Except Raptor	15-19	4491		9465	9465-91	N/A	N/A
F-250/350 Super Duty	Except Cab & Chassis	99-16	4448†		9460	9460-48	8339	6300
F-250/350 Super Duty	Except Cab & Chassis	99-16	4449		9460	9460-49	8339	6300
F-250/350 Super Duty	Except Cab & Chassis	17-19	4494	JR	9468	9468-94	8339	6300
F-450 Super Duty	Except Cab & Chassis	08-16	4449	JR	9460	9460-49	8339	6300
F-450 Super Duty	Except Cab & Chassis	17-18	4494	JR	9468	9468-94	8339	6300
TOYOTA								
Tundra		07-19	4436	JR,TV	9465	9465-36		

FOOTNOTES

JR   Exhaust must be temporarily lowered for installation.

KE   Does not fit 1988-91 4 Dr. Crew Cab models.

KH   Minor heat shield modification may be required.

TV   May require Offset Extension Ball #19308 on trucks with less than a 6' long bed.

TX   This product has a higher load capacity.

18K

HI-RISE™ CONVERSION HITCH

- Converts a gooseneck hitch into a fifth wheel hitch
- 18K gross trailer weight / 4.5K pin weight capacity
- 4-way pivoting head with self latching jaw design
- 4 degree side-to-side pivot for better control
- Fifth wheel height adjustments (14-1/4 in. - 18 in.)
- 2 bolts for bed height adjustments
- Offset legs enhance performance while braking
- Adjustable stabilizer strips fit bed corrugation pattern
- Lockable, extended length handle
- Only works with B&W gooseneck hitch and Reese (94XX) series heads utilizing (44XX) series rails

Not Rated for use with Reese Sidewinder

5 YEAR LIMITED WARRANTY

9480

Part Number	Description
9480	Hi-Rise Conversion Hitch
Replacement Parts	
58438	Stabilizer Strips
117300	Elite Fifth Wheel Head Kit

*Your actual weight capacity is limited to the towing vehicle or gooseneck rail kit capacity
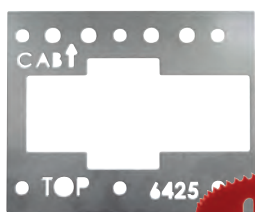
GOOSENECK HITCH ACCESSORIES AND REPLACEMENT PARTS

19307

19308

58524

Part Number	Description
Gooseneck Replacement Parts	
6308	Replacement U-Bolt Safety Chain Kit
Above-Bed Gooseneck Replacement Parts	
19310	Replacement Gooseneck 2-5/16" Hitch Ball
Under-Bed Gooseneck Replacement Parts	
19306	2-5/16" Hitch Ball with 1" Rise for 9460, 9465, and 9464 Gooseneck Heads
19307	3" Hitch Ball for 9460, 9465, and 9464 Gooseneck Heads
19308	2-5/16" Hitch Ball with 5" Offset for 9460, 9465, and 9464 Gooseneck Heads
19309	2-5/16" Hitch Ball for 9460, 9465, and 9464 Gooseneck Heads
58312	Gooseneck Head U-Bolt Kit for 94XX Gooseneck Heads
58389	Round Replacement Magnetic Cover for Hide-A-Goose
58524	Replacement Part, Cover for Hide-A-Goose Gooseneck (Only Works with #9466 and #9467)
Remov-A-Ball Hitch Head Replacement Parts	
5983	Rectangular Replacement Magnetic Cover for Remov-A-Ball
5973	Replacement 2-5/16" Ball for Remov-A-Ball

GOOSENECK INSTALLATION TOOLS

6425

58381

Part Number	Description
6425	Fold-Down Gooseneck Installation Template for #8339
58384	Fold-Down Gooseneck Installation Template for #83391 and #83399
58381	3-1/2" Hole Saw

GOOSENECK HITCH SYSTEMS

- Gooseneck Hitch Systems conveniently allow unrestricted use of the pickup bed. In-truck platforms support 2-5/16 in. and 3 in. hitch balls. All framework for Gooseneck Trailer Hitches reside under the bed of the truck with only the ball exposed above the bed of the truck. Stronger, and able to utilize the full suspension of the truck, Gooseneck Hitch Systems are rated up to full towing capacity of the vehicle as determined by the manufacturer. Draw-Tite Gooseneck Hitch Systems utilize a unique set of mounting rails, specific to each vehicle, that will accommodate any of the hitch heads.

HOW LARGE OF A TRAILER CAN I TOW?

- Each truck has a published Gross Combined Weight Rating GCWR. This is the maximum allowable tow rating in terms of the combined vehicle and trailer weight. When the Gross Vehicle Weight GVW is subtracted, the maximum Gross Trailer Weight is revealed.
- In this example, the maximum allowable trailer towing weight is 12,800 lbs. GTW. The rail kit for this vehicle has been tested to meet maximum vehicle tow capacity.

COMMON TERMINOLOGY

- **Base Curb Weight** - The nominal weight of a vehicle with standard equipment and a full tank of fuel. It does not include passengers, cargo or optional equipment.
- **Commercial Towing** - Any vehicle/trailer combination exceeding 26,000 lbs. Gross Combined Weight GCW.
- **Commercial Vehicle** - Any vehicle that exceeds 10,000 lbs. GVW.
- **Gross Vehicle Weight (GVW)** - The actual weight of the vehicle when fully loaded. It is the base curb weight plus the cargo weight.
- **Gross Vehicle Weight Rating (GVWR)** - The maximum allowable weight of the fully loaded vehicle.
- **Gross Combined Weight (GCW)** - The actual weight of the vehicle and trailer combined. This weight should always be obtained by weighing the vehicle and trailer together on a scale.
- **Gross Combined Weight Rating (GCWR)** - The maximum weight of the towing vehicle and the loaded trailer - including cargo and passengers.
- **Gross Axle Weight (GAW)** - The total weight supported by each axle (front or rear). To compute this weight for your vehicle and trailer combined, take the loaded vehicle and trailer to a scale. With the trailer attached, place the front wheels of the vehicle on the scale to obtain the front GAW. To obtain the rear GAW, weigh the towing vehicle with the trailer attached, but with just the four wheels of the vehicle on the scale. The rear GAW is determined by subtracting the front GAW from that amount.
- **Gross Axle Weight Rating (GAWR)** - The total weight each axle is capable of carrying. The total load on each axle must not exceed its GAWR.
- **Gross Trailer Weight (GTW)** - The weight of a trailer fully loaded.
- **Maximum Loaded Trailer Weight** - The maximum allowable fully loaded weight of the trailer. This weight is obtained by subtracting the towing vehicle's GVW from its GCWR.
- **Payload** - The combined maximum allowable weight of cargo, occupants and optional equipment that the vehicle is designed to carry. (Gross Vehicle Weight Rating minus the base curb weight.)
- **Rail Kit** - The components and hardware that mount the gooseneck hitch to the vehicle frame.

Competitor's 25K gooseneck fails longitudinal test at 11,500 lbs.

THE SAE INTERNATIONAL J2638 STANDARD FOR GOOSENECK & FIFTH WHEEL TRAILERS UNDER 30,000 LBS.

The Society of Automotive Engineers (SAE) is a non-profit educational and scientific organization dedicated to advancing mobility technology to better serve humanity. SAE has developed many standards, testing methods and procedures to measure the performance of vehicles and vehicle related products, including trailers. SAE J2638 addresses both gooseneck and 5th wheel trailers under 30,000 lbs. The testing methods for gooseneck are as follows:

Static Testing is a one time maximum load requirement for the three test conditions. The test is to be maintained for 5 Seconds.
- Vertical - tests the goosenecks ability with upward & downward pressure
  - 85% of GVW Pull Out (25K lbs. Gooseneck = 21,250 lbs.)
  - 50% of GVW Down (25K lbs. Gooseneck = 12,500 lbs.)
- Longitudinal - tests the goosenecks ability with front and back pressure
- 75% of GVW Front and Back (25K lbs. Gooseneck = 18,750 lbs.)
- Transverse - tests the goosenecks ability with side to side pressure
  - 30% of GVW Each Side (25K lbs. Gooseneck = 7,500 lbs)

Dynamic Testing defines requirements for repetitive testing in the three test conditions.
- 300,000 Cycles in each test condition.
  - (Vertical, Longitudinal and Transverse)
- The same unit is used for all three tests.
  - (900,000 Cycles all together)
- The range of load requirements are based on GVW & Rated Coupler Load.

In order to assure safety and accountability for the products produced, SAE J2638 also requires:
- Product Identification
  - Manufacturer's Name   - Maximum Trailer GVW
  - Rated Vertical Coupler Load   - Ball Size
- Testing
  - Products are to be fixtured at the maximum stress conditions
  - There should be no loss of attachment during testing
  - When testing is completed, the coupler will be capable of being uncoupled and coupled

HORIZON GLOBAL COMMITMENT

Horizon Global understands the importance of the new SAE standard for Goosenecks and 5th Wheels. We are committed to providing products that meet or exceed these recommendations and our commitment is evident by our investment in people and facilities dedicated to testing our products.

In addition to being one of the only manufacturers with dedicated testing facilities, Horizon Global also has over 90 years of manufacturing experience to ensure our products are of the highest quality and reliability.

Because of the size of our organization we can provide the added benefits of high quality, unmatched reliability and proven strength, at a competitive price.

GCWR - GVW = MAX. GTW

2001 GMC Heavy Duty 2500, 4 Wheel Drive Extended Cab
Engine: Duramax 6600
Horsepower: 300 hp @ 3100 rpm
Torque: 520 ft. lbs. @ 1800 rpm
Transmission: Allison 5-speed Automatic
Axle Ratio: 3.73 to 1
GVW: 9,200 lbs.   **GCWR**: 22,000 lbs.
22,000 lbs. GCWR – 9,200 lbs. GVW = 12,800 lbs. GTW

TRAILER ACCESSORIES

Draw-Tite® has been designing and manufacturing the world's finest trailering products since 1946. That's why it makes sense to use genuine Draw-Tite® Lunette Rings and Trailer Locks to ensure the integrity of your tow vehicle rig. Draw-Tite® components are designed and manufactured to work best with other Draw-Tite® products, and all are engineered to the same exacting standards for years of worry-free performance under the most demanding conditions.

Intelligent trailer braking is the key to the success of the Tekonsha® family of braking products. Established in 1964, Tekonsha® technology can be found in some of North America's leading vehicle manufacturers … a testimony to it's superior performance history when it comes to stopping trailers. "No matter what you are towing, Tekonsha® can help you stop it".

TEKONSHA®

PUSH TO TEST BREAKAWAY SYSTEM

- Push to Test: LED's indicate fully charged, charging or recharge
- Multi-Stage Integrated Charger provides a fast recharge up to 12.8 volts. Once battery is fully charged, the automatic float mode is designed to provide a continuous charge without overcharging
- Activates trailer brakes upon separation of trailer and tow vehicle
- For use on 1, 2 or 3 axle trailers equipped with electric brakes
- Weather/corrosion resistant, heavy-duty polymer case to protect battery and charger
- Tekonsha® Breakaway Switch with 48 in. lead wires or 7.5 in. lead wires
- 5 Amp/hr battery, battery box dimensions – 4.25 in. x 6.25 in. x 4.125 in.
- 2 or 3 mounting options
- Note: Make sure battery is fully charged prior to towing

See Page H-4

50-85-325

FEATURED

DRAW·TITE®

ADJUSTABLE LUNETTE RINGS

- 3 in. diameter
- Forged steel construction for high strength and wear resistance
- Designed for use with 3 in. multi-position channel
- Patented weight reduced system
- 14,000 lbs. capacity
- Available in black painted finish or zinc plated finish
- Adjustable channel and hardware sold separately

1291020383   1291020340

See Page H-3

TRAILER ACCESSORIES

LUNETTE RINGS

63023

63060

1291020383

1291020340

Part Number	Description	Diameter (in.)	Capacity (lbs.)	Max Vertical Load (lbs.)	Packaging
63023	Lunette Ring, 4 Hole Base	2-1/2	42,000	8,400	Boxed
63033	Hardware Mounting Kit for 63023	-	-	-	Bulk
63036	Adjustable Lunette Ring with Channel	3	24,000	-	Boxed
63060	Adjustable Lunette Ring with Hardware	3	24,000	-	Boxed
1291020383	Adjustable Lunette Ring	3	14,000	-	Bulk
1291020340	Adjustable Lunette Ring, Clear Zinc	3	14,000	-	Bulk

63180

63180 - Mounting Brackets

63181

63180 - Adjustable Arms

5,000 LBS. ADJUSTABLE TOW BARS
- Light-weight, only 31 lbs.
- Arms adjust from 26 in. to 41 in. for universal fit
- Tow bar mounting brackets bolt securely to vehicle bumper - (almost all applications will require a custom fabricated bracket due to bumper design)
- Heavy-Duty quick latch A-Frame coupler fits 2 in. ball
- Tow bar comes assembled, complete with installation instructions
- Some states require the use of double safety chains
- Black powder coat finish

Part Number	Description
63180	Adjustable Tow Bar, 5,000 lbs. GVW, incl. mounting brackets
63181	Adjustable Tow Bar, 5,000 lbs. GVW, incl. mounting brackets with Bolt together 2-piece adjustment arms
40604	Safety Chain Kit, Class III chains rated at 5,000 lbs. GTW
40602	Replacement Bumper Bracket Kit (Qty 2)
2471	Wire Lock Pin

NOTE: Total weight of towed vehicle must not exceed 5,000 lbs., or must not exceed the weight of the towing vehicle.

WHEEL CHOCK
- Made from high impact polymer
- Reduces the risk of trailer roll
- Fits most trailer wheels

7000100

Part Number	Description
7000100	Wheel Chock

50-85-325

PUSH TO TEST BREAKAWAY SYSTEM

- Push to Test: LED's indicate fully charged, charging or recharge
- Multi-Stage Integrated Charger provides a fast recharge up to 12.8 volts. Once battery is fully charged, the automatic float mode is designed to provide a continuous charge without overcharging
- Activates trailer brakes upon separation of trailer and tow vehicle
- For use on 1, 2 or 3 axle trailers equipped with electric brakes
- Weather/corrosion resistant, heavy-duty polymer case to protect battery and charger
- Tekonsha® Breakaway Switch with 48 in. lead wires or 7.5 in. lead wires
- 5 Amp/hr battery, battery box dimensions – 4.25 in. x 6.25 in. x 4.125 in.
- 2 or 3 mounting options
- Note: Make sure battery is fully charged prior to towing

5085115
(Bracket Sold Separately)

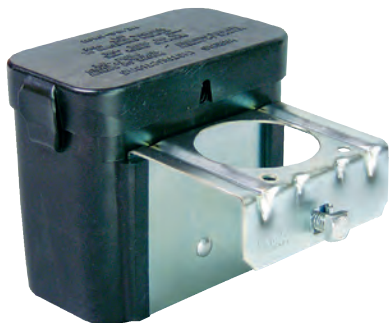| Part Number	Description	Packaging
50-85-313	Push to Test Breakaway System for 1 to 3 Axle Trailers with Electric Brakes, Includes Battery Box, 5 Amp Battery with Push to Test LED Test Meter, Integrated Multi-Stage Charger and 7.5" Breakaway Switch	Display Box
50-85-325	Push to Test Breakaway System for 1 to 3 Axle Trailers with Electric Brakes, Includes Battery Box, 5 Amp Battery with Push to Test LED Test Meter, Integrated Multi-Stage Charger and 48" Tekonsha Breakaway Switch	Display Box
Accessory Part		
5085115	Post Mount Bracket	Bulk

50-85-320

PUSH TO TEST BREAKAWAY SYSTEM

- Push to Test: LED's indicate fully charged or recharge
- Built in battery charger charges battery when plugged into the tow vehicle
- Breakaway Switch with 7.5 in. or 48 in. lead wires
- 5 Amp/hr Battery
- Activates trailer brakes upon separation of trailer and tow vehicle
- For use on 1, 2, or 3 axle trailers equipped with electric brakes
- 2 or 3 mounting options
- Note: Make sure battery is fully charged prior to towing

Part Number	Description	Packaging
50-85-315	Push to Test Breakaway System for 1 to 3 Axle Trailers with Electric Brakes, Includes Battery Box, 5 Amp Battery with Push to Test LED Test Meter and 7.5" Breakaway Switch	Display Box
50-85-320	Push to Test Breakaway System with ABCD charger for 1 to 3 Axle Trailers with Electric Brakes, Includes Battery Box, 5 Amp Battery with Push to Test LED Test Meter, and 48" Breakaway Switch	Display Box
Accessory Part		
5085115	Post Mount Bracket	Bulk

NOTE: 3 and 4 axle trailers require minimum 5 Amp-hr battery. For optimal performance, replacement of breakaway electrical components is recommended every 3 to 5 years.

TRAILER ACCESSORIES

TEKONSHA®

H-4

BREAKAWAY SYSTEMS

- For use on 1, 2, 3 and 4 axle trailers equipped with electric brakes
- These complete systems incorporate the highest quality components in trailer breakaway systems
- Meet or exceed Department of Transportation (DOT) specifications regarding trailer breakaway and holding requirements
- If a breakaway occurs between your tow vehicle and your trailer, the breakaway systems will automatically apply consistent braking power to your trailer brakes
- Quick and easy to install, the systems comes with a weather/corrosion resistant, heavy-duty polymer case to protect the battery and charger

1026 / 1028 / 2026 / 2028

20005 / 20015

20010 / 20020

Part Number	Description	Packaging
For 1 and 2 Axle Trailers with Electric Brakes		
1026	Includes 2018 Polymer Battery Case with A-Frame or Post Mounting Bracket; 2023 Rechargeable Sealed 12v 5 Amp-hr Lead Acid Battery and Terminals; 2005-P Breakaway Switch.	Display Box
For 1, 2, 3 and 4 Axle Trailers with Electric Brakes		
2026	Includes 2018 Polymer Battery Case with A-Frame or Post Mounting Bracket; 2023 Rechargeable Sealed 12v 5 Amp-hr Lead Acid Battery and Terminals; 2010-P Breakaway Switch.	Display Box
20005	Includes 2051 Lockable All Polymer Battery Case with Flat Surface Mounting; 2023 Rechargeable Sealed 12v 5 Amp-hr Lead Acid Battery and Terminals; 2010-P Breakaway Switch.	Display Box
20010	Includes 20000 Lockable Polymer Battery Case with Weldable Flat Surface Mounting; 2023 Rechargeable Sealed 12v 5 Amp-hr Lead Acid Battery and Terminals; 2010-P Breakaway Switch.	Display Box
(With Charger) **For 1 and 2 Axle Trailers with Electric Brakes**		
1028	Includes 2018 Polymer Battery Case with A-Frame or Post Mounting Bracket; 2023 Rechargeable Sealed 12v 5 Amp-hr Lead Acid Battery and Terminals; 2005-P Breakaway Switch; 1024 DC-to-DC Accelerated Battery Charging Device (ABCD).	Display Box
(With Multi-Stage Integrated Charger) **For 1, 2, 3 and 4 Axle Trailers with Electric Brakes**		
2028	Includes 2018 Polymer Battery Case with A-Frame or Post Mounting Bracket; 2023 Rechargeable Sealed 12v 5 Amp-hr Lead Acid Battery and Terminals; 2010-P Breakaway Switch; 2024-07 DC-to-DC Heavy Duty Quick/Maintenance (Multi Stage) Battery Charger.	Display Box
20015	Includes 2051 Lockable All Polymer Battery Case with Flat Surface Mounting; 2023 Rechargeable Sealed 12v 5 Amp-hr Lead Acid Battery and Terminals; 2010-P Breakaway Switch; 2024-07 DC-to-DC Heavy Duty Quick/Maintenance (Multi Stage) Battery Charger.	Display Box
20020	Includes 20000 Lockable Polymer Battery Case with Weldable Flat Surface Mounting; 2023 Rechargeable Sealed 12v 5 Amp-hr Lead Acid Battery and Terminals; 2010-P Breakaway Switch; 2024-07 DC-to-DC Heavy Duty Quick/Maintenance (Multi Stage) Battery Charger.	Display Box

NOTE: 3 and 4 axle trailers require minimum 5 Amp-hr battery. For optimal performance, replacement of breakaway electrical components is recommended every 3 to 5 years.

50-85-302

50-85-312

BREAKAWAY SYSTEM
- Activates trailer brakes upon separation of trailer and tow vehicle
- For use on 1, 2 or 3 axle trailers equipped with electric brakes
- Weather/corrosion resistant, heavy-duty polymer case to protect battery and charger
- Breakaway Switch with 7.5 in. lead wires
- 5 Amp/hr Battery, battery box dimensions – 5 in. x 4.125 in. x 4 in.
- Flat Surface Mounting
  (Note: optional post mount bracket available)
- Note: Make sure battery is fully charged prior to towing

Part Number	Description	Packaging
50-85-302	Breakaway System	Boxed
50-85-312	Breakaway System with Charger	Boxed
Accessory Part		
5085115	Post Mount Bracket	Bulk

BREAKAWAY SWITCHES
- Completely sealed breakaway switches to automatically set trailer brakes in case of accidental trailer breakaway
- Required by law in some states
- Emergency use only, not to be used to lock brakes when parked or stored
- 2010, 50-85-007 and 2005 have reinforced nylon case, weldable metal tab, nylon pin assembly and are rust and corrosion free 2009 has all metal parts and a brass pin assembly
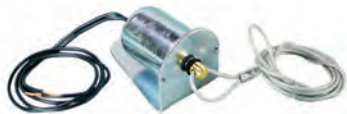
50-85-002   50-85-007

2010-B125

2005-B120

2009-B60

Part Number	Description	Packaging
50-85-007	Breakaway Switch with 48" wires with Cable and Nylon Pin Assembly	Bulk
2010-B125	Breakaway Switch with 48" wires with Cable and Nylon Pin Assembly	Bulk
2005-B120	Breakaway Switch with 48" wires with Cable and Nylon Pin Assembly (for use with 1-3 axle trailers)	Bulk
2009-B60	Breakaway Switch with 48" wires with Cable and Brass Pin Assembly	Bulk
Replacement Parts		
50-85-002	48" Replacement Cable and Nylon Pin Assembly (for 50-85-007 Switch)	Bulk
2010-A	48" Replacement Cable and Nylon Pin Assembly (for 2010 Switch)	Bulk
2005-A	48" Replacement Cable and Nylon Pin Assembly (for 2005 Switch)	Bulk
2009-A	48" Replacement Cable and Brass Pin Assembly (for 2009 Switch)	Bulk

NOTE: Most states require breakaway switch with separate power supply when towing a trailer.

TRAILER ACCESSORIES

TEKONSHA

2023

2018

20000

50-85-104

2024-07

2025-09

SEALED LEAD ACID BATTERY

- 12v, sealed lead acid battery for use with Breakaway Systems on single, tandem and tri-axle trailers equipped with electric brakes
- Battery requires periodic recharging to maintain optimum performance

Part Number	Description	Packaging
2023	5 Amp-hr Sealed Battery	Bulk

BATTERY CASES

- Rust-proof heavy duty polymer cases protect battery and charger from elements and corrosion
- Featuring U-shaped clamp style fastener on #2018 to mount over most trailer tongues, #2051/5085102 is a lockable case, and #20000 features a galvanized metal mounting bracket with locking bar for secure battery protection

Part Number	Description	Packaging
2018	Battery Case - One-Bolt Installation on Jackpost or A-Frame	Bulk
2051	Battery Case - Four-Bolt Installation on Flat Surface	Bulk
20000	Battery Case - Two-Bolt or Weldable Installation on Flat Surface	Bulk

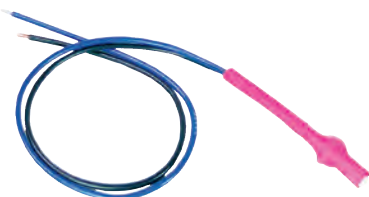## BATTERY CHARGERS

- For all 12v battery systems with a 4 Amp-hr minimum output
- 2024-07 is designed to fit securely into the Breakaway Battery Cases
- Temperature compensated design provides continuous recharge with automatic float mode feature to prevent overcharging
- 1024/50-85-104 will return trailer breakaway system batteries to their maximum potential
- Patent pending
- 2025-09 features an automatic float mode to prevent overcharging
- Ideal for seasonal storage and maintenance of recreational vehicles, motorcycles, snowmobiles, lawn tractors, and more

Part Number	Description	Packaging
50-85-104	DC-to-DC Accelerated Battery Charging Device (ABCD)	Bulk
1024	DC-to-DC Accelerated Battery Charging Device (ABCD)	Clam
2024-07	DC-to-DC Heavy Duty Multi Stage/Maintenance Charger	Bulk
2024-07-S	DC-to-DC Heavy Duty Multi Stage/Maintenance Charger	Clam
2025-09	AC-to-DC Multi Stage Maintenance Charger	Clam

† = Available While Supplies Last.

TRAILER BRAKE REPLACEMENT PARTS

AL-KO 10 in. x 2-1/4 in.
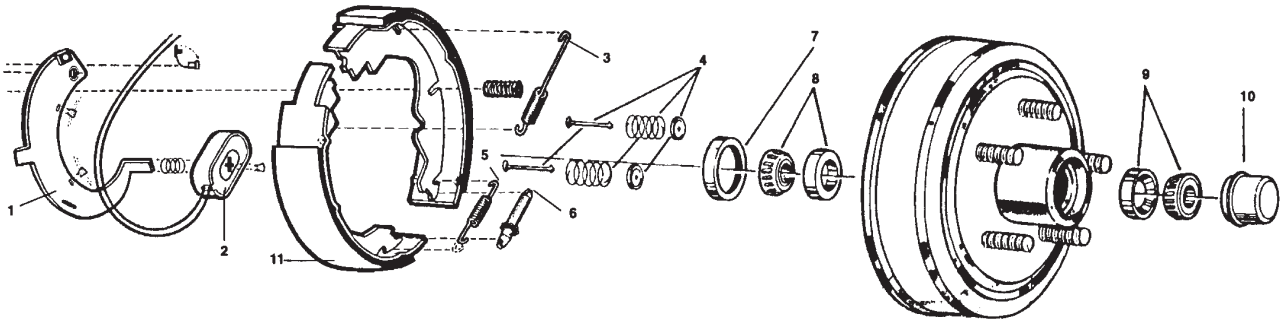
Part Number	Illustration No.	Description
Hardware		
6106	2	Magnet Kit
5304	3	Return Spring Set (Axle Set)
5353	4	Hold Down Kit (Axle Set)
5404	5,6	Adjusting Screw Kit (Spring and Screw Assembly)
Grease Cap and Seal		
6604/5604	7	Seal (Axle Set)
5651	10	Grease Cap (Axle Set)

Part Number	Illustration No.	Description
Bearing Sets		
5505	8	Bearing Set - Inner
5502	9	Bearing Set - Outer
Brake Shoes		
6004	11	Shoe and Lining Kit (Wheel Set)
Brake Assembly		
6709TEK		Complete Assembly - L.H.
6710		Complete Assembly - R.H.

AL-KO 12 in. x 2 in.
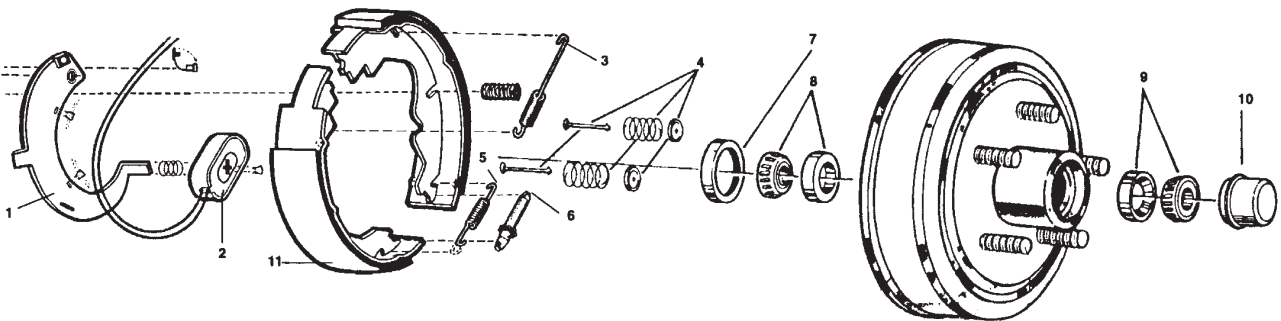
Part Number	Illustration No.	Description
Hardware		
6109	2	Magnet Kit 6K and 7K
5307	3	Return Spring Set (Axle Set)
5353	4	Hold Down Kit (Axle Set)
5404	5,6	Adjusting Screw Kit (Spring and Screw Assembly)
Grease Cap and Seal		
6605/5605	7	Seal (Axle Set) (Replace in Pairs)
6658	10	Grease Cap (Axle Set) for 5508
5652	10	Grease Cap (Axle Set) for 5509

Part Number	Illustration No.	Description
Bearing Sets		
5503	8	Bearing Set - Inner
5508	9	Bearing Set - Outer - 865 Large Bore
5509	9	Bearing Set - Outer - Small Bore
Brake Shoes		
6005	11	Shoe and Lining Kit (Wheel Set)
Brake Assembly		
6713		Complete Assembly - L.H.
6714		Complete Assembly - R.H.

Dexter 7 in. x 1-1/4 in.
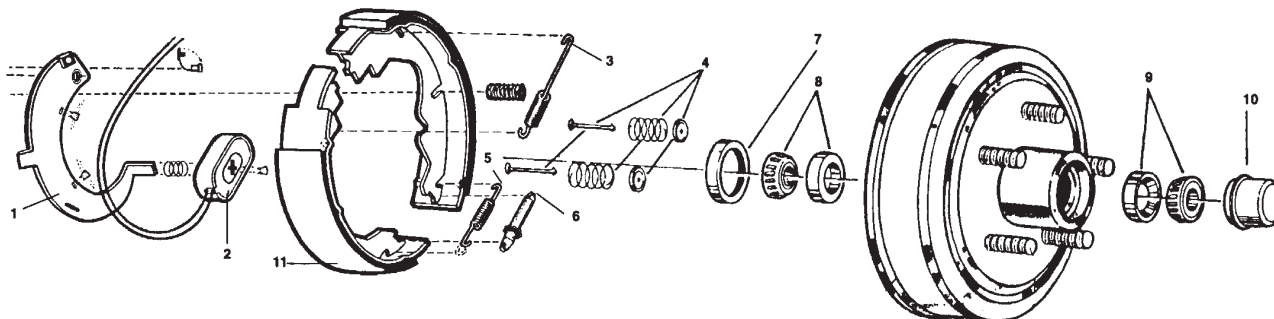
Part Number	Illustration No.	Description
Hardware		
(N/A)	1	Actuating Lever - R.H.
(N/A)	1	Actuating Lever - L.H.
(N/A)	2	Magnet Kit
5113***	2	Magnet Kit
Hardware (Axle Set)		
5320*	3	Return Spring
5320*	4	Hold Down Clips
5320*	5	Adjusting Screw Spring
5320*	6	Adjusting Screw Assembly

Part Number	Illustration No.	Description
Grease Seal and Cap		
5603	7	Seal - BTR (Axle Set)
5651	9	Grease Cap (Axle Set)
Bearing Sets		
5502	8	Bearing Set - Inner and Outer
Brake Shoes		
5002	10	Shoe and Lining Kit (Wheel Set)

*Contained in Hardware Kit (Axle Kit)
***5113 After 4-1990
(N/A) - No Longer Available

Dexter 10 in. x 1-1/2 in.
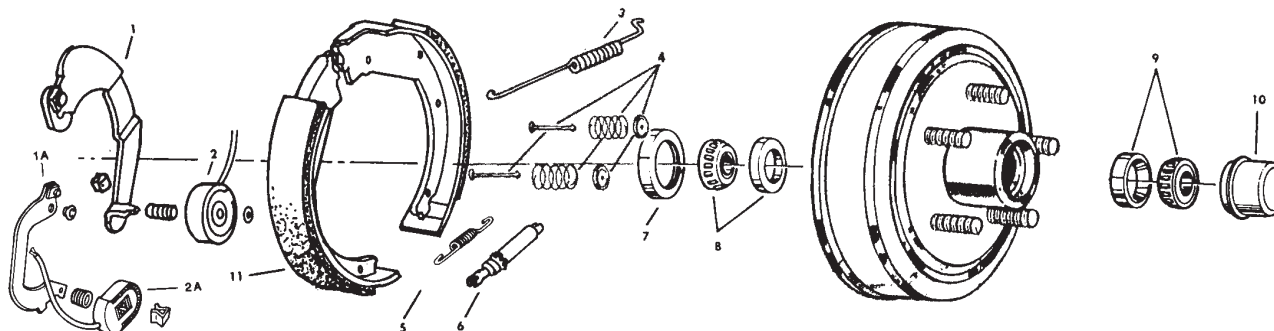
Part Number	Illustration No.	Description
Hardware		
(N/A)	1	Actuating Lever - R.H.
(N/A)	1A	Actuating Lever - R.H.
(N/A)	1	Actuating Lever - L.H.
(N/A)	1A	Actuating Lever - L.H.
5113*	2	Magnet Kit
5118**	2A	Magnet Kit
5306	3	Return Spring Set (Axle Set)
(N/A)	4	Hold Down Kit (Axle Set)
5404	5,6	Adjusting Screw Kit (Spring and Screw Assembly)

Part Number	Illustration No.	Description
Grease Seal and Cap		
5607	7	Seal (Axle Set)
5651	10	Grease Cap (Axle Set)
Bearing Sets		
5507	8	Bearing Set - Inner
5502	9	Bearing Set - Outer
Brake Shoes		
5009	11	Shoe and Lining Kit (Wheel Set)

*Prior to Mid 1988
**After Mid 1988
(N/A) - No Longer Available

TRAILER ACCESSORIES

TEKONSHA®

Dexter 10 in. x 2-1/4 in.
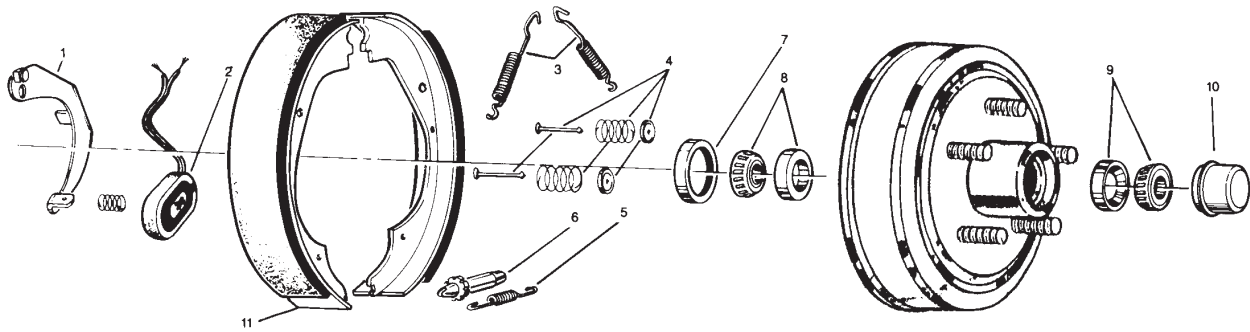
Part Number	Illustration No.	Description
Hardware		
5106	2	Magnet Kit
5305	3	Return Spring Set (Axle Set)
5353	4	Hold Down Kit (Axle Set)
5404	5,6	Adjusting Screw Kit (Spring and Screw Assembly)
Grease Seal and Cap		
5604	7	Seal (Axle Set)
5651	10	Grease Cap (Axle Set)

Part Number	Illustration No.	Description
Bearing Sets		
5506	8	Bearing Set - Inner (Prior to Dec. 1983)
5505	8	Bearing Set - Inner (After Dec. 1983)
5502	9	Bearing Set - Outer
Brake Shoes		
5003	11	Shoe and Lining Kit (Wheel Set)
Brake Assembly		
5707		Complete Assembly - L.H.
5708		Complete Assembly - R.H.

Dexter 12 in. x 2 in.
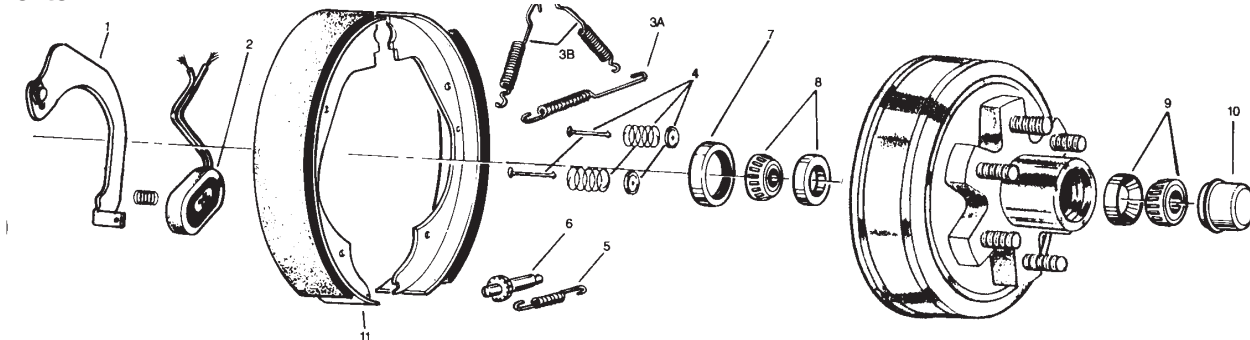
Part Number	Illustration No.	Description
Hardware		
5109	2	Magnet Kit
Return Spring Set (Axle Set)		
5307	3A	Single Retractor
5305	3B	Dual Retractor
5353*	4	Hold Down Kit (Axle Set)
5404	5,6	Adjusting Screw Kit (Spring and Screw Assembly)

Replacement Kit Uses Coil Springs
**Prior to 1997*
***After 1997 (A Series Only)*

Part Number	Illustration No.	Description
Grease Seal and Cap		
5606**	7	Seal (Axle Set)
5608***	7	Seal (Axle Set)
5652	10	Grease Cap (Axle Set)
Bearing Sets		
5503	8	Bearing Set - Inner
5507	9	Bearing Set - Outer
Brake Shoes		
5000-DX	11	Shoe and Lining Kit (Wheel Set)
Brake Assembly		
5711		Complete Assembly - L.H.
5712		Complete Assembly - R.H.

Dexter 12 in. x 2 in. 7K
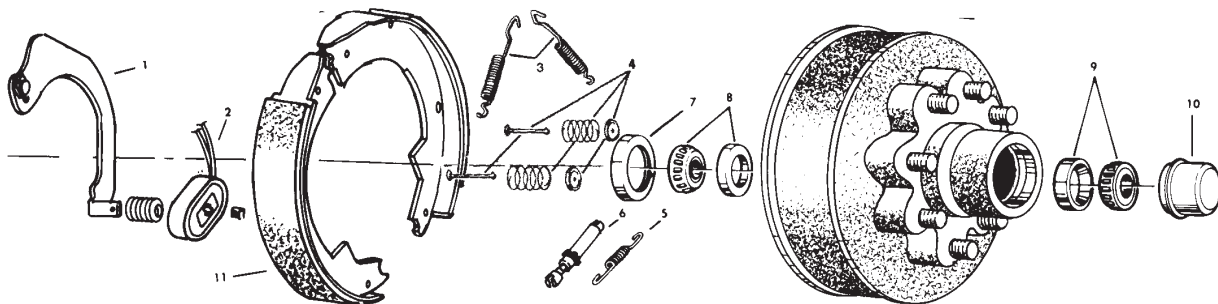
Part Number	Illustration No.	Description
Hardware		
5114	2	Magnet Kit
5305	3	Return Spring Set (Axle Set)
5353	4	Hold Down Kit (Axle Set)
5404	5,6	Adjusting Screw Kit (Spring and Screw Assembly)

*Prior to 1997
**After 1997 (A Series Only)

Part Number	Illustration No.	Description
Grease Seal and Cap		
5606*	7	Seal (Axle Set)
5608**	7	Seal (Axle Set)
5652	10	Grease Cap (Axle Set)
Bearing Sets		
5503	8	Bearing Set - Inner
5508	9	Bearing Set - Outer (865 HUB)
5509	9	Bearing Set - Outer (UTG Hub)
Brake Shoes		
5010	11	Shoe and Lining Kit (Wheel Set)

Hayes 10 in. x 1-5/8 in.
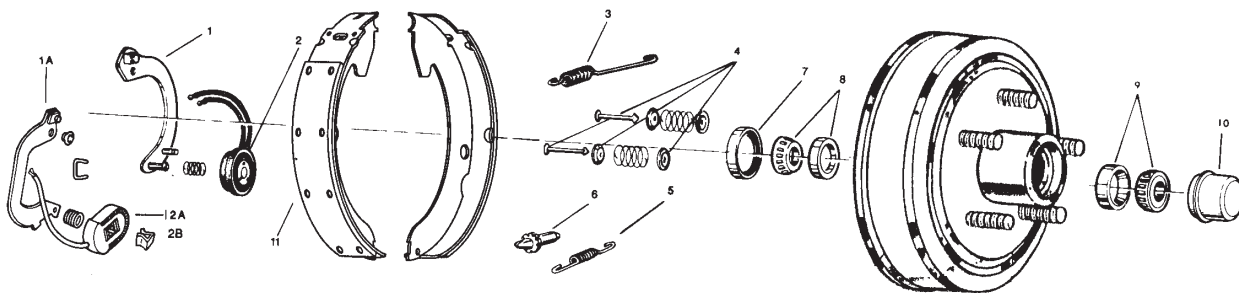
Part Number	Illustration No.	Description
Hardware		
(N/A)	1	Actuating Lever - R.H.
(N/A)	1A	Actuating Lever - R.H.
(N/A)	1	Actuating Lever - L.H.
(N/A)	1A	Actuating Lever - L.H.
5106**	2A	Magnet Kit (6K and 7K Axles)
5101-HA***	2B	Magnet Kit
5304	3	Return Spring Set (Axle Set)
(N/A)	4	Hold Down Kit (Axle Set)
5404	5,6	Adjusting Screw Kit (Spring and Screw Assembly)

Part Number	Illustration No.	Description
Grease Seal and Cap		
5604	7	Seal (Axle Set)
5651	10	Grease Cap (Axle Set)
Bearing Sets		
5507	8	Bearing Set - Inner
5502	9	Bearing Set - Outer
Brake Shoes		
(N/A)	11	Shoe and Lining Kit (Wheel Set)

*Prior to Mid 1987
**After Mid 1987
***After Late 1994 (Replace in Pairs)
(N/A) - No Longer Available

Hayes 10 in. x 2-1/4 in.

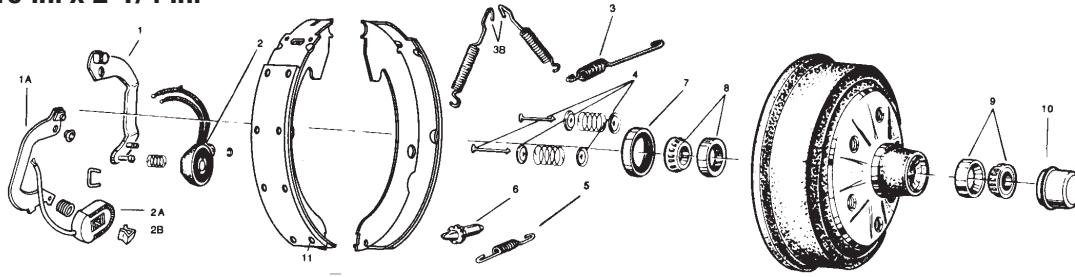| Part Number	Illustration No.	Description
Hardware		
(N/A)	1	Actuating Lever - R.H.
(N/A)	1A	Actuating Lever - R.H.
(N/A)	1	Actuating Lever - L.H.
(N/A)	1A	Actuating Lever - L.H.
5106**	2A	Magnet Kit
5101-HA	2B	Magnet Kit-After Late 1994 (Replace in Pairs)
Return Spring Set (Axle Set)		
5304	3A	Single Retractor
5305****	3B	Dual Retractor
5353	4	Hold Down Kit (Axle Set)
5404	5,6	Adjusting Screw Kit (Spring and Screw Assembly)

Part Number	Illustration No.	Description
Grease Seal and Cap		
5604	7	Seal (Axle Set)
5651	10	Grease Cap (Axle Set)
Bearing Sets		
5505***	8	Bearing Set - Inner
5502	9	Bearing Set - Outer
Brake Shoes		
6004	11	Shoe and Lining Kit (Wheel Set)
Brake Assembly		
(N/A)		Complete Assembly - L.H. (Replace in Pairs)
(N/A)		Complete Assembly - R.H. (Replace in Pairs)

*Prior to Mid 1987
**After Mid 1987
***After 1972

****Prior to May 1977
(N/A) - No Longer Available
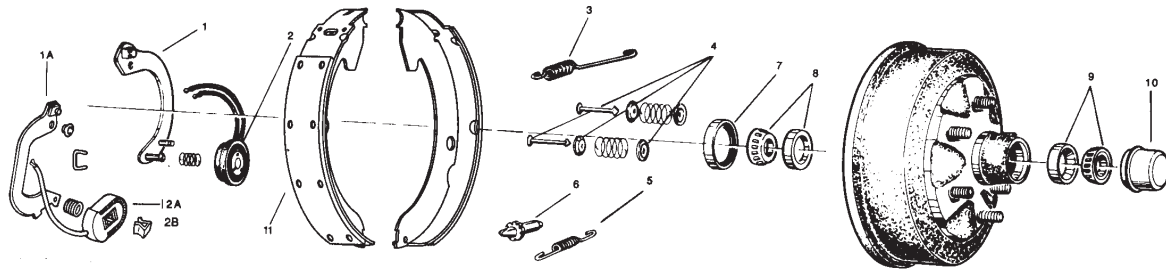
Hayes 12 in. x 2 in.

Part Number	Illustration No.	Description
Hardware		
(N/A)	1	Actuating Lever - R.H.
(N/A)	1	Actuating Lever - L.H.
(N/A)	2	Magnet Kit
5109**	2A	Magnet Kit
5101-HA	2B	Magnet Kit-After Late 1994 (Replace in Pairs)
5307	3	Return Spring Set (Axle Set)
5353	4	Hold Down Kit (Axle Set)
5404	5,6	Adjusting Screw Kit (Spring and Screw Assembly)

Part Number	Illustration No.	Description
Grease Seal and Cap		
5605	7	Seal (Axle Set)
5652	10	Grease Cap (Axle Set)
Bearing Sets		
5503	8	Bearing Set - Inner
5507	9	Bearing Set - Outer
Brake Shoes		
(N/A)	11	Shoe and Lining Kit (Wheel Set)
Brake Assembly		
5713-HA		Complete Assembly - L.H. (Replace in Pairs)
5714-HA		Complete Assembly - R.H. (Replace in Pairs)

**After Late 1987
(N/A) - No Longer Available

Hayes 12 in. x 2 in. Centerline
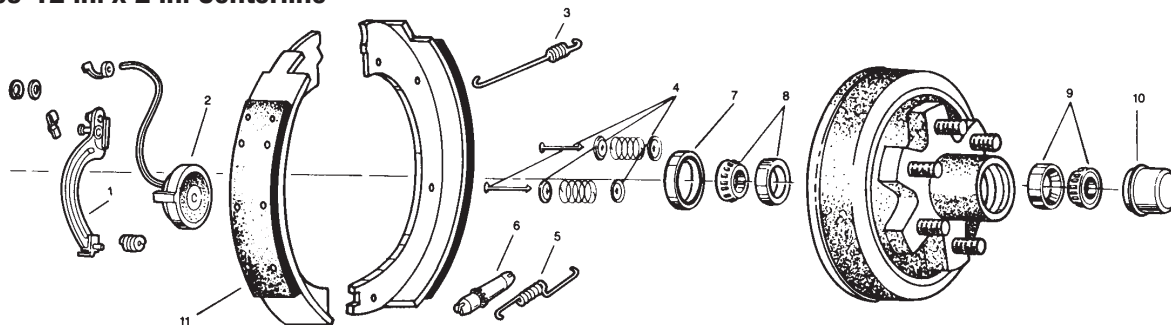
Part Number	Illustration No.	Description
Hardware		
(N/A)	1	Actuating Lever - R.H.
(N/A)	1	Actuating Lever - L.H.
(N/A)	1	Actuating Lever - R.H.
(N/A)	1	Actuating Lever - L.H.
(N/A)	2	Magnet Kit (4.5K Axles)
(N/A)	2	Magnet Kit (6K and 7K Axles)
(N/A)	3	Return Spring Set (Axle Set)
5353	4	Hold Down Kit (Axle Set)
5404	5,6	Adjusting Screw Kit (Spring and Screw Assembly)

Part Number	Illustration No.	Description
Grease Seal and Cap		
5605	7	Seal (Axle Set)
5652	10	Grease Cap (Axle Set)
Bearing Sets		
5503	8	Bearing Set - Inner
5507	9	Bearing Set - Outer
Brake Shoes		
(N/A)	11	Shoe and Lining Kit (Wheel Set) (4.5K and 6K Axles)
(N/A)	11	Shoe and Lining Kit (Wheel Set) (7K Axles)

(N/A) - No Longer Available

Fayette 10 in. x 2-1/4 in.

Part Number	Illustration No.	Description
Hardware		
(N/A)	1	Actuating Lever - R.H.
(N/A)	1	Actuating Lever - L.H.
(N/A)	2	Magnet Kit
5304	3	Return Spring Set (Axle Set)
5353*	4	Hold Down Kit (Axle Set)
5404	5,6	Adjusting Screw Kit (Spring and Screw Assembly)

Part Number	Illustration No.	Description
Grease Seal and Cap		
5604	7	Seal (Axle Set)
5651	10	Grease Cap (Axle Set)
Bearing Sets		
5505***	8	Bearing Set - Inner
5502	9	Bearing Set - Outer
Brake Shoes		
(N/A)	11	Shoe and Lining Kit (Wheel Set)

*Contained in Hardware Kit (Axle Kit)
***After 1972
(N/A) - No Longer Available
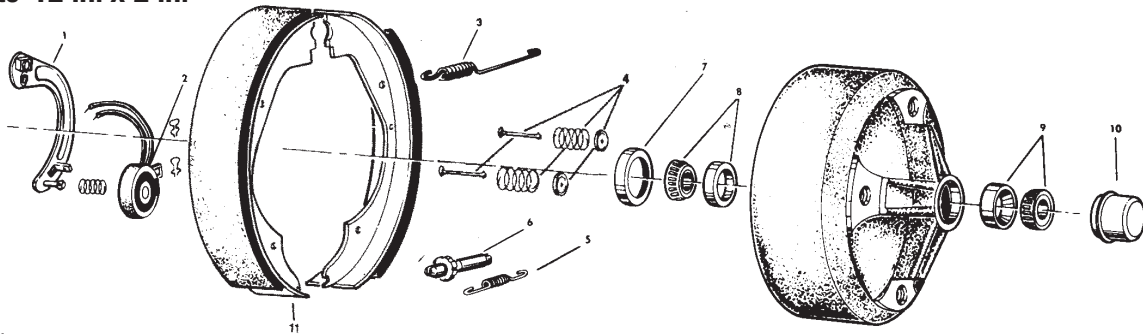
Fayette 12 in. x 2 in.

Part Number	Illustration No.	Description
Hardware		
(N/A)	1	Actuating Lever - R.H.
(N/A)	1	Actuating Lever - L.H.
(N/A)	2	Magnet Kit
5307	3	Return Spring Set (Axle Set)
5353*	4	Hold Down Kit (Axle Set)
5404	5,6	Adjusting Screw Kit (Spring and Screw Assembly)

Part Number	Illustration No.	Description
Grease Seal and Cap		
5605	7	Seal (Axle Set)
5652	10	Grease Cap (Axle Set)
Bearing Sets		
5503	8	Bearing Set - Inner
5507	9	Bearing Set - Outer
Brake Shoes		
5000-DX**	11	Shoe and Lining Kit (Wheel Set)

*Replacement Kit Uses Coil Springs **Bonded Shoes (N/A) - No Longer Available*

ADJUSTING SCREW KIT (SPRING AND SCREW ASSEMBLY)

Part Number	Description	Packaging
5404	10 x 2 1/4 AL-KO 10 x 1 5/8 Hayes 10 x 1 1/2 Dexter 10 x 2 1/4 Hayes 10 x 2 1/4 Dexter 10 x 2 1/4 Fayette 10 x 2 1/4 Aimco 12 x 2 AL-KO 12 x 2 Hayes and 12 x 2 Hayes Centerline 12 x 2 Dexter and 12 x 2 Dexter 7K 12 x 2 Fayette 12 x 2 Aimco 12 x 2 Foreman	Clam Shell

RETURN SPRING SET (AXLE SET)

Part Number	Description	Packaging
5304	10 x 2 1/4 AL-KO 10 x 1 5/8 Hayes 10 x 2 1/4 Hayes (Single Retractor) 10 x 2 1/4 Fayette	Clam Shell
5305	10 x 2 1/4 Hayes (Dual Retractor - Prior to May 1977) 10 x 2 1/4 Dexter 10 x 2 1/4 Aimco 10 x 2 1/4 Foreman 12 x 2 Aimco 12 x 2 Dexter (Dual Retractor) and 12 x 2 Dexter 7K 12 x 2 Foreman	Clam Shell
5306	10 x 1 1/2 Dexter	Clam Shell
5307	12 x 2 AL-KO 12 x 2 Hayes 12 x 2 Dexter (Single Retractor) 12 x 2 Fayette	Clam Shell

HOLD DOWN KIT (AXLE SET)

Part Number	Description	Packaging
5353	10 x 2 1/4 AL-KO 10 x 2 1/4 Hayes 10 x 2 1/4 Dexter 10 x 2 1/4 Fayette 10 x 2 1/4 Aimco 12 x 2 AL-KO 12 x 2 Hayes and 12 x 2 Hayes Centerline 12 x 2 Dexter and 12 x 2 Dexter 7K 12 x 2 Fayette	Clam Shell

BEARING SET
(14276 CUP, 14125A CONE)

Part Number	Description	Packaging
5508	12 x 2 Dexter 6K and 7K 865 Hub (Out) 12 x 2 AL-KO 8 Hole 865 Hub (Out)	Clam Shell

BEARING SET
(L68111 CUP, L68149 CONE)

Part Number	Description	Packaging
5505	10 x 2 1/4 AL-KO (In) 10 x 2 1/4 Fayette (In) (After 1972) 10 x 2 1/4 Hayes (In) (After 1972) 10 x 2 1/4 Dexter (In) (After Dec. 1983) 12 x 2 Foreman (In) 12 x 2 AL-KO (In) 6 and 8 Hole	Clam Shell

BEARING SET
(15245 CUP, 15123 CONE)

Part Number	Description	Packaging
5509	12 x 2 Dexter 6K and 7K UTG Hub (Out) 12 x 2 AL-KO 6 and 8 Hole (865 Small)	Clam Shell

BEARING SET
(L44610 CUP, L44649 CONE)

Part Number	Description	Packaging
5502	7 1/4 x 1 1/4 Hayes (In and Out) 7 1/4 x 1 1/4 Foreman (In and Out) 7 x 1 1/4 Dexter BTL (In and Out) 7 x 1 1/4 Dexter BTR (In and Out) 7 1/4 x 1 1/4 Fayette (In and Out) 7 1/4 x 1 1/4 Foreman (In and Out) 10 x 1 5/8 Hayes (Out) 10 x 1 1/2 Dexter (Out) 10 x 2 1/4 AL-KO (Out) 10 x 2 1/4 Hayes (Out) 10 x 2 1/4 Dexter (Out) 10 x 2 1/4 Fayette (Out) 10 x 2 1/4 Foreman (Out)	Clam Shell

ADJUSTING SCREW SPRING SET

Part Number	Description	Packaging
5407	10 x 1 5/8 Hayes 10 x 1 1/2 Dexter 10 x 2 1/4 Hayes 10 x 2 1/4 Dexter 10 x 2 1/4 Fayette 10 x 2 1/4 Aimco 12 x 2 Hayes 12 x 2 Dexter 12 x 2 Fayette	Clam Shell

BEARING SET
(LM48510 CUP, LM48548 CONE)

Part Number	Description	Packaging
5506	10 x 2 1/4 Dexter (In) (Prior Dec. 1983) 10 x 2 1/4 Foreman (In) 10 x 2 1/4 Fayette (In) (Prior 1972)	Clam Shell

BEARING SET
(L44610 CUP, L44649 CONE)

Part Number	Description	Packaging
5507	10 x 1 5/8 Hayes (In) 10 x 1 1/2 Dexter (In) 12 x 2 Hayes (Out) and 12 x 2 Hayes Centerline (Out) 12 x 2 Dexter (Out) 12 x 2 Fayette (Out) 12 x 2 Foreman (Out)	Clam Shell

BEARING SET
(25520 CUP, 25580 CONE)

Part Number	Description	Packaging
5503	12 x 2 AL-KO (In) 12 x 2 Hayes (In) and 12 x 2 Hayes Centerline (In) 12 x 2 Dexter (In) and 12 x 2 Dexter 7K (In) 12 x 2 Fayette (In) 12 x 2 Foreman (In) 12 x 2 AL-KO (In) 6 and 8 Hole	Clam Shell

HARDWARE KIT (AXLE SET)

Part Number	Description	Packaging
5320	7 x 1 1/4 Dexter	Clam Shell

SHOE AND LINING KITS
(WHEEL SET)

Part Number	Description	Packaging
5000-DX	12 x 2 Dexter 12 x 2 Fayette (Bonded Shoes) 12 x 2 Aimco 12 x 2 Foreman	Boxed
5002	7 x 1 1/4 Dexter	Boxed
5003	10 x 2 1/4 Dexter	Boxed
5009	10 x 1 1/2 Dexter	Boxed
5010	12 x 2 Dexter 7K	Boxed
6004	10 x 2 1/4 AL-KO 10 x 2 1/4 Hayes	Boxed
6005	12 x 2 AL-KO	Boxed

TRAILER ACCESSORIES

TEKONSHA®

GREASE SEAL (AXLE SET)

Part Number	Description	Packaging
5602	7 1/4 x 1 1/4 Hayes	Clam Shell
5603	7 x 1 1/4 Dexter (BTR)	Clam Shell
5604	10 x 1 5/8 Hayes 10 x 2 1/4 AL-KO 10 x 2 1/4 Hayes 10 x 2 1/4 Dexter 10 x 2 1/4 Fayette	Clam Shell
5605	12 x 2 Hayes and 12 x 2 Hayes Centerline 12 x 2 Fayette 12 x 2 AL-KO*	Clam Shell
5606	12 x 2 Dexter (Prior 1997) and 12 x 2 Dexter 7K (Prior 1997)	Clam Shell
5607	10 x 1 1/2 Dexter	Clam Shell
5608	12 x 2 Dexter (After 1997 - A Series Only) and 12 x 2 Dexter 7K (After 1997 - A Series Only)	Clam Shell
6604 / 5604	10 x 2 1/4 AL-KO	Clam Shell
6605 / 5605	12 x 2 AL-KO*	Clam Shell

MAGNET RETAINING CLIP

Part Number	Description	Packaging
5121TEK	10 x 2 1/4 Dexter 12 x 2 Dexter 12 x 2 Dexter 7K 10 x 2 1/4 Hayes (New Style) 12 x 2 Hayes (New Style)	Clam Shell

GREASE CAP (AXLE SET)

Part Number	Description	Packaging
5651	7 x 1 1/4 Dexter 10 x 2 1/4 AL-KO 10 x 1 5/8 Hayes 10 x 1 1/2 Dexter 10 x 2 1/4 Hayes 10 x 2 1/4 Dexter 10 x 2 1/4 Fayette 10 x 2 1/4 Foreman	Clam Shell
5652	12 x 2 AL-KO (Small Bore) 12 x 2 Hayes and 12 x 2 Hayes Centerline 12 x 2 Dexter and 12 x 2 Dexter 7K 12 x 2 Fayette 12 x 2 Foreman	Clam Shell
6658	12 x 2 AL-KO (Large Bore)	Clam Shell

WIRE CLIP

Part Number	Description	Packaging
5122	10 x 1 1/2 Dexter 12 x 2 1/4 Dexter 12 x 2 Dexter	Clam Shell

MAGNET RETAINING RING

Part Number	Description	Packaging
5120TEK	10 x 1 5/8 Hayes 10 x 2 1/4 Hayes (Old Style) 12 x 2 Hayes (Old Style)	Clam Shell

5101-HA

5106

5113

MAGNET SET REPLACEMENT PARTS

Part Number	Wire Color	Length	Width	Thickness	Fits or Replaces
5101-HA	Green	3-1/8"	2"	15/16"	Hayes 10 x 1 5/8 Hayes 10 x 2 1/4 Hayes 12 x 2 (All - Replaces in pairs) (All - After Late 1994)
5106	Green	3-1/8"	2"	15/16"	Dexter 10 x 2 1/4 Hayes 10 x 2 1/4 (After Mid 1987) Hayes 10 x 1 5/8 (After Mid 1987) Trailer Pac 102 Tow Craft 1103-100-017
5109	Green	3-1/8"	2"	15/16"	Dexter 12 x 2 Hayes 12 x 2 (After Late 1987) Trailer Pac 103 Tow Craft 1103-100-018
5113	White	2-1/16"	1-15/16"	3/4"	Dexter 10 x 1 1/2 (Prior to Mid 1988) Dexter 7 x 1 1/4 (After April 1990)
5114	Black	3-1/8"	2"	15/16"	Dexter 12 x 2, 7K Axles
5118	Yellow	3-1/8"	2"	15/16"	Dexter 10 x 1 1/2 (After Mid 1988)
6106	Green	3-1/8"	2"	15/16"	AL-KO Kober 10 x 2 1/4
6109	Green	3-1/8"	2"	15/16"	AL-KO Kober 12 x 2, 6K and 7K

BEARING SETS

5508

5509

5503

5502

5506

5507

5505

Part Number	Cup	Cone	Packaging
5508	14276	14125A	Clam Shell
5509	15245	15123	Clam Shell
5503	25520	25580	Clam Shell
5502	L44610	L44649	Clam Shell
5506	LM48510	LM48548	Clam Shell
5507	LM67010	LM67048	Clam Shell
5505	L68111	L68149	Clam Shell

WHEEL NUTS AND BOLTS
- Secures wheel to brake drum

5780TEK

5787

Part Number	Description	Packaging
5780TEK	13/16 Wheel Nut - (1/2 - 20) - Set of 5	Clam Shell
5787	Wheel Bolt - (1/2 - 20) - Set of 5	Clam Shell

BRAKE ASSEMBLY MOUNTING BOLTS

5720

5721

Part Number	Description	Packaging
5720	3/8" Brake Assembly Mounting Bolt (Used on 5 Bolt Mounting Patterns)	Clam Shell
5721	7/16" Brake Assembly Mounting Bolt (Used on 4 Bolt Mounting Patterns)	Clam Shell

SPINDLE NUT KITS
- Secures brake hardware on spindle axles

5774

5775

Part Number	Description	Packaging
5774	Spindle Nut Kit - Standard Washer - (1" - 14 Spindle)	Clam Shell
5775	Spindle Nut Kit - D Type Washer - (1" - 14 Spindle)	Clam Shell

TEKONSHA®

WB100 0700

WB106 0700

WHEEL BEARING KITS
- Designed to fit most hubs used on boat, utility, snowmobile, and RV trailers
- Kit includes 2 bearing cones, 2 bearing cups, grease seal, and cotter pin

Part Number	Spindle Outer Diameter (in.)	Hub Diameter (in.)
WB100 0700	1	1.980
WB106 0700	1-1/16	1.980
WB138T0700*	1-3/8 x 1-1/16	1.980

*Applies to tapered axle applications.
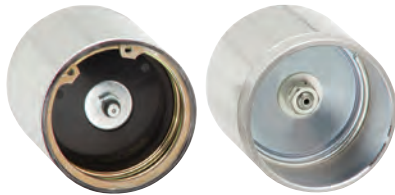
BPC1980604

BP244S0304

BB24410112

BEARING PROTECTORS
- Protects wheel bearings from the elements during all trailer operations
- Automatically maintains the correct internal pressure – cannot damage seals
- Chrome-plated steel construction
- Sold in pairs and are available in bulk or full color display packages
- Some models include vinyl cover (see chart)

| Part Number	Description	Hub Diameter (in.)	Packaging
BPC1780604†	Bearing Protector with Covers	1.781	Clam Shell
BPC1980604	Bearing Protector with Covers	1.980	Clam Shell
BP198S0304	Bearing Protector	1.980	Bulk
BP232S0304†	Bearing Protector	2.328	Bulk
BP244S0304	Bearing Protector	2.441	Bulk
BB17810112†	Bearing Protector Covers - 2 pack	1.781	Bag with Header Card
BB19800112	Bearing Protector Cover - 2 pack	1.980	Bag with Header Card
BB24410112	Bearing Protector Cover - 2 pack	2.328" and 2.441	Bag with Header Card
BB19800312†	Bearing Protector Cover	1.980	Bulk
BB24410312†	Bearing Protector Cover	2.328" and 2.441	Bulk

† = Available while supplies last.

GREASE CAPS

A = Flange Diameter (OD) **B =** Crown Height **C =** Flange Length **D =** Overall Height
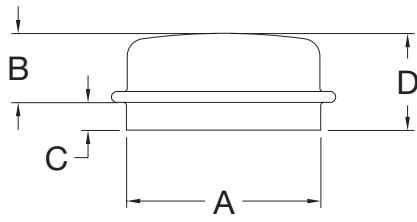
1500 Series
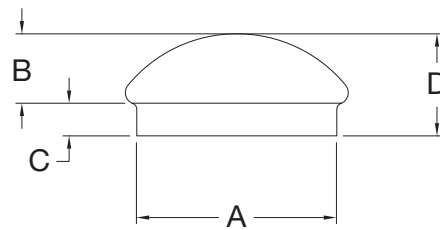
1600 Series

Part Number	Mat. Gauge	A Flange Diameter (in.)	B Crown Height (in.)	C Flange Length (in.)	D Overall Height (in.)
1500 Series					
001501*	22	1.786	0.630	0.270	0.890
-	22	1.786	0.880	0.280	1.160
001503*	22	1.786	1.160	0.375	1.535
001523	20	1.943	0.690	0.310	1.000
001524	20	1.943	1.040	0.340	1.380
001505*	22	1.968	0.780	0.375	1.156
001521	20	1.988	0.750	0.220	1.030
001520*	22	2.446	1.030	0.313	1.340
001515*	20	2.567	1.080	0.281	1.360
001526	20	2.722	1.130	0.312	1.440
001531	16	3.155	1.430	0.370	1.800
001528†	20	3.358	1.060	0.560	1.620
1600 Series					
100235*	16	2.333	0.840	0.370	1.210
001601	16	2.333	0.910	0.370	1.281
001604	16	2.446	0.880	0.280	1.160
001605	16	2.722	1.030	0.310	1.340
001609	16	3.125	1.010	0.296	1.310
001607	16	3.155	1.160	0.218	1.375
001602	16	3.255	0.610	0.530	1.145
001603	16	3.882	0.440	0.630	1.070

*All shown standards. *Zinc-plated for corrosion resistance. Minimum order quantities may apply.*
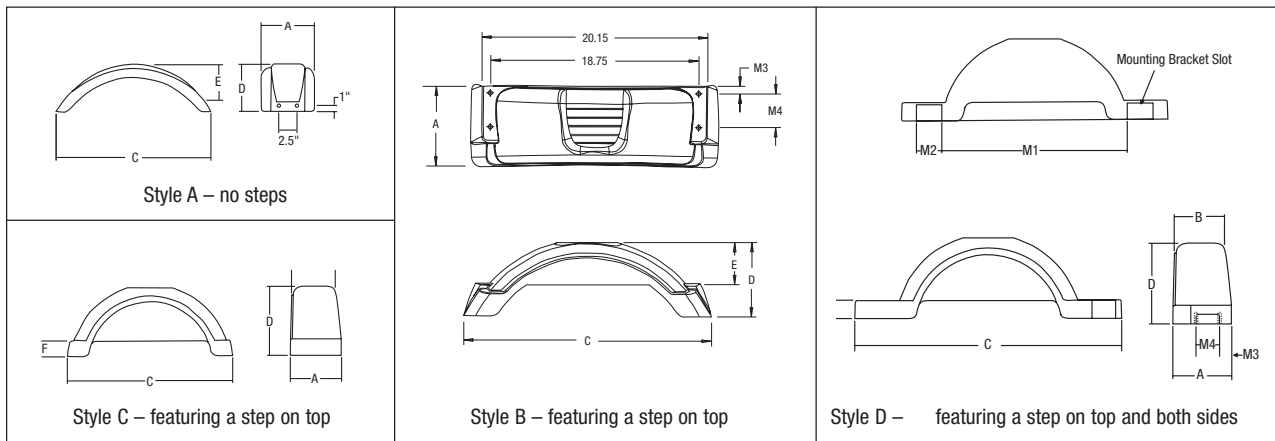
† = Available while supplies last.

1500 Series

1600 Series

PLASTIC FENDERS

- High density polyethylene (HDPE) fenders
- Injection molded
- Corrosion proof
- Impact resistant, 300 lbs. capacity
- Molded-in color is "scratch proof"
- Built-in fender skirt
- Optional integral step pad
- Handles temperature extremes
- Mounting slots

NOTE: Lights Not Included.

Style A – no steps

Style C – featuring a step on top

Style B – featuring a step on top

Style D – featuring a step on top and both sides

Part Number Bulk White	Part Number Bulk Black	Part Number Bulk Silver	Tire Size (in)	Measurements (See Diagram)									
				A (in.)	B (in.)	C (in.)	D (in.)	E (in.)	F (in.)	M (1) (in.)	M (2) (in.)	M (3) (in.)	M (4) (in.)
Style A													
008540*	008550*	–	8 - 12	7.000	–	20.25	6.250	4.620	–	–	–	2.250	2.500
Style B													
008549	008559	008569	8 - 12	7.350	–	22.30	6.500	3.750	2.180	–	–	0.075	3.000
Style C													
008541*	008551*	008561	8 - 12	7.350	7.350	21.80	6.500	3.750	2.180	–	–	2.430	2.500
008542	–	–	12	7.510	23.91	8.770	2.500	–	2.750	–	–	–	–
008543	008553	008563	13	9.000	7.700	29.25	12.00	–	2.750	–	–	–	–
–	008554	008564	14	9.700	8.000	31.30	12.75	–	3.000	–	–	–	–
Style D (US Patent D3)													
008572	008582	008592	12	7.500	6.900	33.50	8.750	–	2.500	22.70	4.000	1.500	3.000
508572	–	–	12	7.500	6.900	33.50	8.750	–	2.500	22.70	4.000	1.500	3.000
008573	008583	008593	13	9.000	7.700	40.00	12.00	–	2.750	28.00	4.000	2.120	3.750
508573	–	–	13	9.000	7.700	40.00	12.00	–	2.750	28.00	4.000	2.120	3.750
008574	008584	008594	14	9.700	8.000	43.40	12.75	–	3.000	30.00	4.000	2.120	3.750
508574	–	–	14	9.700	8.000	43.40	12.75	–	3.000	30.00	4.000	2.120	3.750
008575	008585	008595	15	10.25	6.700	45.00	14.85	–	3.000	34.00	4.000	2.120	3.750

GB44 0101

GB150 0100

BGR20 0101

1000750

BOAT GUIDES
- Boat guides help you visually guide your boat onto your trailer
- High-strength super gripper mounting brackets attach firmly above and below the trailer frame
- Easy bolt-on mounting fits trailer frames up to 3 in. x 5 in. high
- Adjustable to provide optimum fit to any hull design

Part Number	Description	Upright Height (in.)
GB44 0101	Non-Marring, Marine Grade PVC Tubing, 1 Pair	44
GB150 0100	Non-Marring, Marine Grade PVC Tubing, 1 Pair	50
BGR20 0101	Steel Construction with Non-Marring, Cushioned Rollers, 1 Pair	20
Accessory Part		
500358	Cap for BGR20 0101	

WATERWICK™
- Absorbs moisture from the air
- Helps control mold and mildew
- Contains 1.65 lbs./750 grams of Calcium Chloride (salt) that can absorb up to 1/4 gallon of moisture
- 32 in. long (with hook extended), 1.88 lbs.
- Designed for use in RVs, Trailers, Boats

Part Number	Description
1000750†	Waterwick

† = Available while supplies last.   US Patent 6.273.942. B1

Recommended Usage		
Square Feet	**Humidity**	**Number of Units**
Up to 30′	Low	1-2
	High	2-3
Over 30′	Low	2-3
	High	3-4

General guidelines only. Number of units needed may vary depending on your specific needs.

NOTE: Contains Calcium Chloride (salt). Possible adverse effects in case of contact with eyes.

MARINE GRADE CARPETING
- Marine Grade carpeting allows the do-it-yourselfer to replace worn and dirty carpet on bunk trailers
- The carpet protects your boat investment by reducing scratching on the hull and keeps it in like-new condition
- Individual rolls are shrink-wrapped for shelf display

Part Number	Description
CR8008	Bunk Carpeting, Black, 8" x 144"
CR8012	Bunk Carpeting, Black, 12" x 144"

CR8008

OUTBOARD MOTOR LOCK
- Heavy-duty barrel key lock mechanism for maximum security
- Foam filler insert reduces noise and vibration
- Mounts on most outboard motors

Part Number	Description	Packaging
OML 0127	Outboard Motor Lock	Clam Shell

OML 0127

CHA0010340

CHA0040324

SAFETY CHAINS

- Safety chains are required by law in most states
- Cross chains when towing for added safety
- All chains conform to J684.6.3.4 SAE standards

Part Number	Grade	Size (in.)	Hook (in.)	Finish	Capacity (lbs.)	Description	Packaging
CHA0010340	30	1/4 x 24	7/16 Safety Hook	Clear Zinc	5,000	Proof Coil Chain, 1/4"Chain Interior Dimension is Sized so a 1/2" Bolt Shank Can Pass Through	Bulk
CHA0020324	70	1/4 x 36	1/4 Forged Clevis Hook	Yellow Zinc	12,600	Transport Chain, 1/4"Chain Interior Dimension is Sized so a 1/2" Bolt Shank Can Pass Through	Bulk
CHA0030340†	43	1/4 x 24	7/16 Safety Hook	Clear Zinc	7,800	Test Chain, 1/4"Chain Interior Dimension is Sized so a 1/2" Bolt Shank Can Pass Through	Bulk
CHA0040324	70	5/16 x 36	5/16 Forged Clevis Hook	Yellow Zinc	18,800	Transport Chain	Bulk
CHA0050324	70	5/16 x 42	5/16 Forged Clevis Hook	Yellow Zinc	18,800	Transport Chain	Bulk
CHA0060324	70	3/8 x 36	3/8 Forged Clevis Hook	Yellow Zinc	26,400	Transport Chain	Bulk
CHA0070324	70	1/2 x 42	1/2 Forged Clevis Hook	Yellow Zinc	45,200	Transport Chain	Bulk

† = Available while supplies last.

63034

63035

5592

49141

44140

SAFETY CHAIN KITS

Part Number	Max GTW (lbs.)	Description	Packaging
63034	2,000	6' Class I - S-Hooks on Both Ends (1 pcs.)	Clamshell
63035	5,000	6' Class III - Quick Links on Both Ends (1 pcs.)	Clamshell
5592	3,500	6' Class II - 1/4" Proof Coil Chain	Bulk
2489†	5,000	30" Class III - Straight Link Machine Chain	Bulk

† = Available while supplies last.

CLASS I-III CHAIN WITH S-HOOK - ONE END

Part Number	Description
49138	Class II GVWR 3,500 lbs. 24", 1/4" Proof Coil Grade 30, with S-Hook at One End (836)
49141	Class III GVWR 5,000 lbs. 30", 1/4" Proof Coil Grade 30, with S-Hook at One End (839)

CLASS I-III CHAIN WITH S-HOOK - BOTH ENDS

Part Number	Description
49137	Class I GVWR 2,000 lbs. 48", 3/16" Proof Coil Grade 30, S-Hook, Both Ends (835)
44140	Class III GVWR 5,000 lbs. 48", 1/4" Proof Coil Grade 30, S-Hook, Both Ends (839)

CLASS III SAFETY CHAIN WITH QUICK LINKS

40604

Part Number	Description
40604	Class III 30" with Quick Links, Heavy Duty Safety Chain Kit for Tow Bars (5,000 lbs. GTW)

CLASS III SAFETY CHAIN WITH CLEVIS HOOK

49149

Part Number	Description
49148	Class IV 32", 5/16" Proof Coil Grade 30 5/16" Clevis Slip Hook, One End (7,600 lbs. GTW)
49149	Class IV 36", 1/2" Proof Coil Grade 30 3/8" Clevis Slip Hook, One End (10,600 lbs. GTW)
49147	Class IV 35", 3/8" High Test 43 Clevis Slip and Latch Hook (16,200 lbs. GTW)

CLASS V SAFETY CHAIN WITH CLEVIS HOOK

63451

Part Number	Description
63451 **NEW**	Class V 35", 1/2" Proof Coil Grade 30, 3/8" Clevis Slip Hook, One End (26,400 lbs. GTW), Perfect for 3" Receivers

SAFETY CHAIN LOOPS

4234   34141

Part Number	Description
4234	2,000 lbs. Class I Safety Chain Loop
1962	5,000 lbs. Class II/III Safety Chain Loop
34141	10,000 lbs. Class IV Safety Chain Loop

TOW HOOKS

63029   63030

Part Number	Max GTW (lbs.)	Description	Packaging
63029	10,000	Tow Hook with Mounting Bolts (Chrome)	Bulk
63030	10,000	Tow Hook with Mounting Bolts (Black)	Bulk

S-HOOKS / J-CLIP - FOR TRAILER SAFETY CHAIN

44150 - S-Hook   JC1000300 - J-Clip

Part Number	Description
44150	S-Hook for Trailer Safety Chain, Class I, Break Strength 2,000 lbs.
44153†	S-Hook for Trailer Safety Chain, Class II/III, Break Strength 5,000 lbs.
49152	S-Hook for Trailer Safety Chain, Class IV, Break Strength 7,600 lbs.
JC1000300	J-Clip for Safety Chain

† = Available while supplies last.

FULTON

63024

63025

63026

44200

44201

44202

FORGED D-RINGS, FORGED LASHING RINGS AND BRACKETS

Part Number	Description	Work Load (lbs.)	Max Load (lbs.)
63024	Forged D Ring Yellow Zinc, 1/2" Forged D-Ring with Mounting Bracket, Measures 2-1/2" X 2-3/8" ID	4,000	12,000
63025	Forged Lashing Ring 18,000 lbs. 3/8" C1045 Material 5/8" Forged D-Ring with Weld Mounting Bracket	6,000	18,000
63026	Forged Lashing Ring 26,500 lbs. 3/8" Thick, C1045 Material 3/4" Forged D-Ring with Weld Mounting Bracket	8,833	26,500
63027	1" Forged D-Ring with Weld On Mounting Bracket, 3/8" Thick	15,587	46,760
63028	1x5x6 Forged Lashing Ring 46,760 lbs. C1045 Material 5/8" Forged D-Ring with Weld Mounting Bracket	15,587	46,760
44200	Recessed Rope Ring for 3/8" Plywood	400	1,200
44201	Rope Ring, Zinc 10 gauge	400	1,200
44202	Recessed Rope Ring and Trim Ring Zinc 16 gauge Steel for 1/4" Plywood	333	1,000

QUICK LINKS

• Use to connect safety chains to tow vehicle or trailer

Part Number	Description	Max GTW (lbs.)	Packaging
49132	1/4" Quick Link	3,500	Bulk
49131	5/16" Quick Link	3,500	Bulk
44133	3/8" Quick Link	3,500	Bulk
49134	7/16" Quick Link	5,000	Bulk
49135	1/2" Quick Link	10,000	Bulk
74700	5/16" Quick-Link, Class III	7,000	Bulk

Quick Link

CLEVIS SLIP HOOKS WITH LATCH - FOR TRAILER SAFETY CHAIN

| Part Number	Description
44154	Grade 43, Clevis Slip with Latch, 1/4"
44155	Grade 43, Clevis Slip with Latch, 5/16"
44156	Grade 43, Clevis Slip with Latch, 3/8"
44157	Grade 43, Clevis Slip with Latch, 1/2"
44163	Grade 70, Clevis Hook with Latch, 1/4"
44159	Grade 70, Clevis Hook with Latch, 5/16"
44164	Grade 70, Clevis Hook with Latch, 3/8"

Clevis Slip Hook
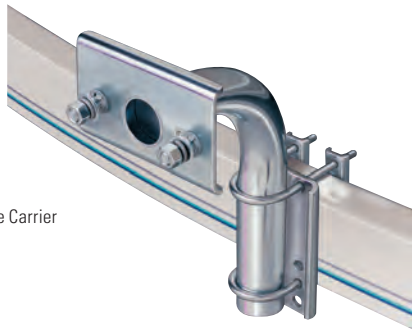
Spare Tire Carrier

SPARE TIRE CARRIER
- Fits most 4, 5 and 6 lug wheels - up to 16-1/2 in.
- Provides 4-3/4 in. lift and over 7 in. of offset to mount tire up and out of the way
- Zinc-plated to resist corrosion
- Easy bolt-on installation, no cutting or drilling required
- Fits trailer tongue up to 3 in. wide by 5 in. high
- All mounting hardware and instructions included

Part Number	Description	Packaging
HDSTC 0101	Spare Tire Carrier	Bulk
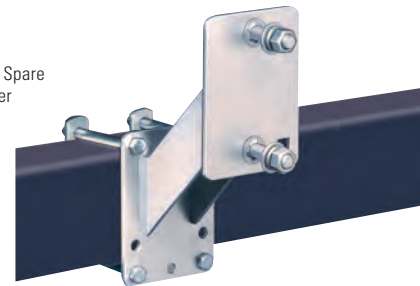
Hi-Mount Spare Tire Carrier

HI-MOUNT SPARE TIRE CARRIER
- Heavy-duty, welded and reinforced steel plate construction
- Zinc-plated to resist corrosion
- Adjustable bolt circle to fit both 4 and 5 lug wheels
- Fits all trailer tongues up to 3 in. wide by 4 in. high
- Includes zinc-plated mounting hardware and instructions
- Security locking hole to lock wheel and bracket to trailer using a security cable and lock (cable and lock sold separately)

Part Number	Description	Packaging
STC1000301	Hi-Mount Spare Tire Carrier	Bulk
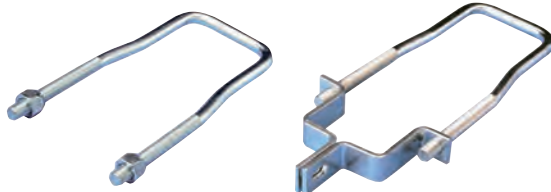
ETC 0101

ETCLB 0700

ETCHL 0700

ECONOMY SPARE TIRE CARRIER
- Fits 8 in., 9 in., 12 in., 13 in., 14 in. and 15 in. wheels with 4 or 5 lug rims
- Easy to install
- Includes lug nuts to secure wheel to frame
- Heavy-duty 1/2 in. diameter construction
- Zinc-plated to resist corrosion

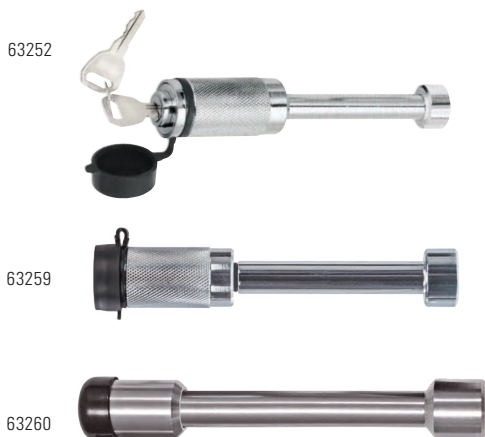| Part Number	Description	Packaging
ETC 0101	Economy Spare Tire Carrier	Box
ETCLB 0700	Economy Spare Tire Carrier with Locking Levers	Box
ETCHL 0700	Economy Spare Tire Carrier with Locking Levers and HLO Lock	Box

ETCSTL0701 - Spare Tire Carrier with Lock

STL 0603 - Spare Tire Lock

ECONOMY SPARE TIRE CARRIER AND SPARE TIRE LOCK
- Theft-resistant locking cap
- Fits over wheel studs (up to 9/16 in. diameter) to deter spare tire theft
- Removable plug allows longer wheel studs to protrude through cap
- Locking tab provides positive locking feature to prevent lock from turning

Part Number	Description	Packaging
ETCSTL0701	Economy Spare Tire Carrier with STL Spare Tire Lock	Box
STL 0603	Spare Tire Lock	Box

TRAILER ACCESSORIES

63252

63259

63260

RECEIVER LOCKS

Part Number	Description
580412	Receiver Lock, Dogbone Style, 5/8" for 2-1/2" Square Receivers, Class V
63259	Receiver Lock, Dogbone Style, 5/8" for 3" Square Receivers, Sleeved for 5/8" and 3/4", Class V
63260	Receiver Lock, 5/8" for 3" Square Receivers, Sleeved for 5/8" and 3/4" Ball Bearing Pick Proof Design, Class V

63227
63228

TRAILER COUPLER LOCKS

Part Number	Description
63225	Coupler Lock, Fits Most Straight Tongue Couplers, 1/4" Pin Diameter, 3/4" Span
63227	Coupler Lock for 2-5/16" Ball
63228	Coupler Lock for 2" Ball
55003	Universal Coupler Lock, Fits 1-7/8 in., 2 in. and 2-5/16 in. Couplers

63225

KEYED ALIKE
COUPLER AND HITCH LOCKS

- Avoid the complication of having to keep track of different keys for every lock
- Includes 2 keys
- Order in multiples of 3 / minimum order is 3 locks

Part Number	Description
63216KA†	KEYED ALIKE 1/2" Receiver Lock for Class II Receiver Hitches
63217KA	KEYED ALIKE 5/8" Receiver Lock for Class III and IV Receiver Hitches
63218KA†	KEYED ALIKE Class II 1/2" Receiver Lock and 1/2" Span Style Coupler Lock
63219KA†	KEYED ALIKE Class III and IV 5/8" Receiver Lock and 1/2" Span Style Coupler Lock
63220KA†	KEYED ALIKE 1/2" Span Style Coupler Lock
63221KA†	KEYED ALIKE 2" Span Style Coupler Lock with 1/4" Pin
63222KA†	KEYED ALIKE 2-1/2" Span Style Coupler Lock with 1/4" Pin

† = Available while supplies last.

63217KA

63250

COMBO LOCKS

Part Number	Description	Diameter (in.)
63250	Combo Lock Set, Dogbone Receiver and Coupler for 1-1/4" and 2" Square Receivers	5/8 and 1/2
63069	Combo Lock Set, for 2" Square Receivers, Keyed Alike	5/8 and 3/4

63069

580400

580401

580403

BULLDOG® LIFELONG® LOCKS

- Delivers triple security
- Stronger break resistance
- Dual self-locking design
- High security square key design
- Includes dust cap

Part Number	Description
580400	Chrome Bent Shank Lock for Class III and IV, 5/8" Diameter
580401	Chrome Dogbone Lock for Class III and IV, 5/8" Diameter
580402	Stainless Steel Dogbone lock for Class III and IV, 5/8" Diameter
580403	Chrome Coupler Lock
580404	Chrome Combo Lock Set, 5/8' Dogbone Receiver and Coupler for Class III and IV

58405

580408   580407

BULLDOG® LOCKS

- Includes dust cap
- Easy access models feature side key entry and sliding dust cap
- Lock housing rotates 360°

Part Number	Description
580405	Stainless Steel Dogbone Lock with Sleeve for 1-1/4" and 2" Square Receivers
580406	Stainless Steel Combo Lock Set, 5/8" Dogbone Lock with Sleeve for 1-1/4" and 2" Square Receivers and Coupler
580407	Easy Access Lock with Sleeve for I-1/4" and 2" Square Receivers
580408	Stainless Steel Coupler Lock
580409	Easy Access Long Coupler Lock
580410	Easy Access Adjustable Coupler Lock
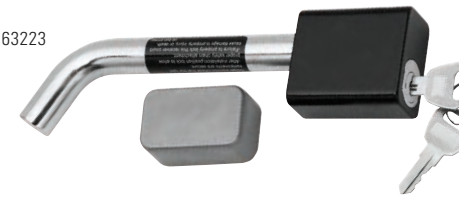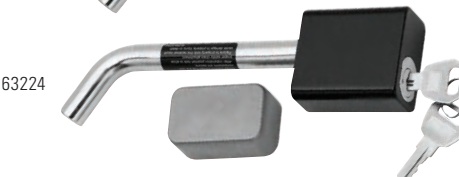
63248

63224

63223

HITCH LOCKS

Part Number	Description	Diameter (in.)
63248	Bent Pin Lock with Extra Pin for 1-1/4" and 2" Square Receivers	5/8 and 1/2
63224	Bent Pin Lock for 1-1/4" Square Receivers, Perfect for Fifth Wheel Base Rails	1/2
63223	Bent Pin Lock for 2" and 2-1/2" Square Receivers	5/8
63252	Dogbone Lock for 2-1/2" Square Receivers, 3-1/2" Span, Class V	5/8
63253	Bent Pin Lock for 2-1/2" Square Receivers, 3-1/2" Span, Class V	5/8

DRAW-TITE®

63256

TOW AND STORE™ LOCK SET

- Guards against towed and parked trailer thefts
- Universal coupler lock fits 1 7/8 in., 2 in., 2 5/16 in.
- Dual bent pin lock: 1/2 in., 5/8 in.
- Adjustable coupler lock: 5/8 in., 1 in.
- 3 interchangeable keys

Part Number	Description
63256	Tow and Store Lock Set, Universal Coupler Lock, Trailer Lock and Receiver Lock, Keyed Alike

CLK15 0100

CABLE LOCKS

Part Number	Description
CLK15 0100	Cable Lock with Key, 3/16" x 15' Length
63233	Cable Lock, 5/16" x 10' Length
63255	Cable Lock, 5/16" x 4' length

63233

63255

HITCH ACCESSORIES

| Part Number	Description	Brand
58109	Reducer Bushing, 1" Hitch Ball Shank Hole to 3/4"	Reese
58184	Reducer Bushing, 1-1/4" Hitch Ball Shank Hole to 1"	Reese
80100	Reducer Bushing, 1" Hitch Ball Shank Hole to 3/4"	Hidden Hitch
80106	Reducer Bushing, 1-1/4" Hitch Ball Shank Hole to 1"	Hidden Hitch
74342	Hitch Ball Wrench, Boxed End 1-1/8" and 1-1/2"	
58117	Hitch Ball Lube, 4 oz. Jar	
63300	Hitch and Trailer Alignment Tool	

58117

63300

58109

58184
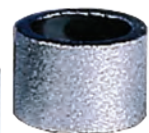
PD110200

PD110700

POD HAZARD MULTI-USE LED ROADSIDE WARNING DEVICE

- Nine different illumination modes, including S.O.S safety mode to alert passing motorists
- Illuminate anything, anywhere with the 350 Lumens lamp and integrated red LED Warning lights
- Durable and weather resistant, easy grip plastic housing is compact (2 in. tall), easy to use and easy to store in the glove box
- Mounts to almost anything with its multiple mounting options including magnet, swivel hook, permanent base, or option for added hook and loop
- Use in the rain or snow
- Visible from 1/4 mile away in daylight conditions
- Use on a trailer, RV, vehicle or as an extra light source in a garage or workshop
- Requires 3 AAA Alkaline batteries per POD (not included)

Part Number	Description
PD110200 **NEW**	POD HAZARD Multi-Use LED Roadside Warning Device, 2 Pack, Batteries Sold Separately
PD110700 **NEW**	POD HAZARD Counter Top Display, Includes(3) PD110200, Batteries Sold Separately
PD110101 **NEW**	POD HAZARD, 1 Pack Clamshell, Batteries Sold Separately

PD110101

7000100

WHEEL CHOCK

- Made from high impact polymer
- Reduces the risk of trailer roll
- Fits most trailer wheels
- Counter display box

Part Number	Description
7000100	Wheel Chock

TECHNICAL

WELD-ON BRACKET MOUNTING POSITIONS FOR F2® JACKS

3x3 Tube With 3x4 Plate

3.00 · 4.00 · 3.00 · 3x4 Mounting Plate

P/N	F2 MARINE AND RECREATIONAL JACKS
1413060334	F2 Twin Track Model 3"x 4" Pivot Housing. Includes Handle Hold-up Feature & Weld-on Mounting Bracket & Hardware.
1413050334	F2 Wide Track Model 3"x 4" Pivot Housing. Includes Handle Hold-up Feature & Weld-on Mounting Bracket & Hardware.
500277	Pivot Housing

3x4 Tube With 3x4 Plate

3.00 · 4.00 · 4.00 · 3x4 Mounting Plate

P/N	F2 MARINE AND RECREATIONAL JACKS
1413060334	F2 Twin Track Model 3"x 4" Pivot Housing. Includes Handle Hold-up Feature & Weld-on Mounting Bracket & Hardware.
1413050334	F2 Wide Track Model 3"x 4" Pivot Housing. Includes Handle Hold-up Feature & Weld-on Mounting Bracket & Hardware.
500277	Pivot Housing

3x5 Tube With 4x5 Plate

4.00 · 5.00 · 4x5 Mounting Plate

P/N	F2 MARINE AND RECREATIONAL JACKS
1413200334	Adjustable Swivel w/ Footplate Includes Handle Hold-up Feature & Weld-on Mounting Bracket & Hardware for up to 5" Frames.
500276	Pivot Housing

3x5 Tube With 3x4 Plate

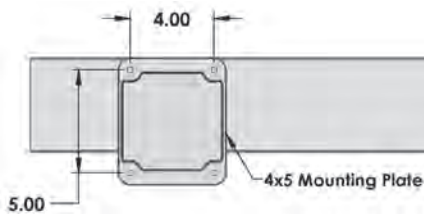4.00 · 5.00 · 3.00 · 3x4 Mounting Plate

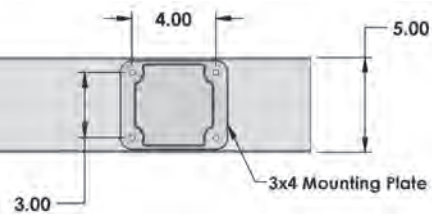| P/N	F2 MARINE AND RECREATIONAL JACKS
1413060334	F2 Twin Track Model 3"x 4" Pivot Housing. Includes Handle Hold-up Feature & Weld-on Mounting Bracket & Hardware.
1413050334	F2 Wide Track Model 3"x 4" Pivot Housing. Includes Handle Hold-up Feature & Weld-on Mounting Bracket & Hardware.
500277	Pivot Housing

Technical information is current as of the printing of this catalog. Contact technical service for periodic updates.

ADJUSTING THE SWIVEL MOUNT HEIGHT FOR F2® JACKS

Required Tools:
3/4 Socket, Ratchet Wrench, Torque wrench.
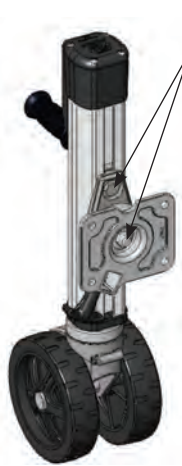
Adjusting Swivel Mount Height (If Necessary):

With jack removed from trailer, loosen the two swivel fasteners until the slide block moves freely along outer tube. To access the upper bolt be sure the swivel bracket is rotated in the horizontal (3" mounting) position as shown. Adjust swivel mount to desired location and re-torque to 60-70 ft-lbs. After adjustment, check for proper swivel and pin engagement.

Loosening factory torqued nuts and bolts on your swivel mount:

1. Cover your work area with a piece of cardboard or a towel to protect the finish on your jack
2. Position the jack firmly on a bench at waist level
3. Turn mounting bracket so that the pull pin is toward the caster(s)
4. Brace the gearbox against your hip and firmly grip the caster
5. Loosen the half inch nut inside the swivel mount by pulling toward your body
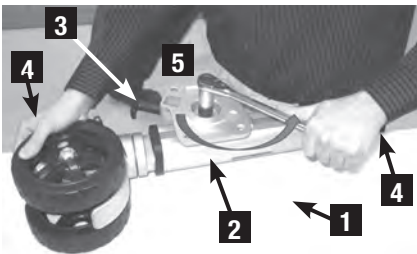
6. Remove the nut from the back of the swivel mount
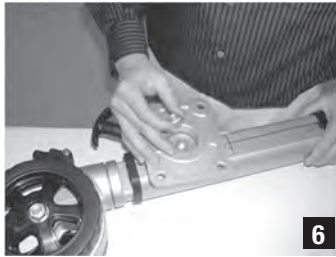
7. Pull the pull pin and remove the swivel mount

8. Loosen the standard hex bolt with the 5/16 hex wrench
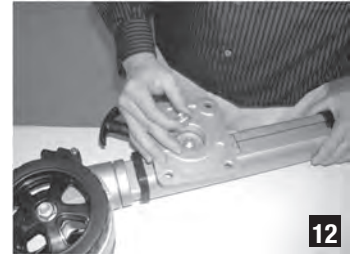
9. Adjust the mount height

10. Re-torque the nut on the slide block to 60 ft-lbs

Final Steps:

11. Replace the swivel mount making sure that the washer is still in place

12. Replace the nut on the back of the swivel mount

13. Re-torque the nut on the back of the swivel mount to 60 ft-lbs

14. You are now ready to enjoy your Fulton F2 Jack

JACK REPLACEMENT QUICK REFERENCE GUIDE

NOTES: This Quick Reference Guide is not intended to supplement your original jack instruction sheet. This guide is only intended to help identify your jack for purposes of service and part replacement.

While servicing your jack, make sure it is not under load.

Replacement parts are intended for worn jack parts. If your jack has been damaged, replace it to prevent unsafe conditions.

Help us help you!

To ensure you receive the most accurate, prompt service possible, collect as much of the following information as possible before calling. If more than one item in a group seems to fit your jack, note all that apply and what about your jack that makes it fit that category. Some helpful pictures are shown at the bottom of the next page.

Jack Series and Capacity (Available on product label or in stamped marking)

Label would appear near handle

Stamped marking should appear on yoke
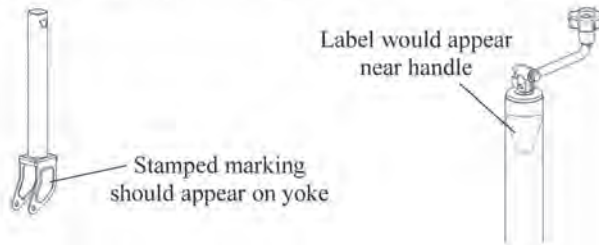
Handle Style (Available by inspection)

Top-Wind Handles

Side-Wind Handles

Eagle Claw Knob   Teardrop Knob   Teardrop Knob   Comfort Grip Knob   Rack Jack
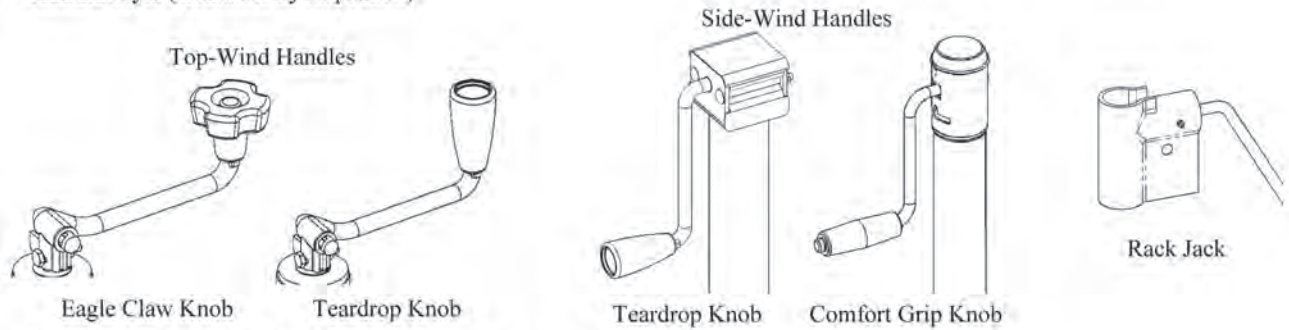
Plunger Pin Size (Available by inspection, not a feature on all jack models)

1/2" Pin (Right Side)   3/8" Pin (Left Side)
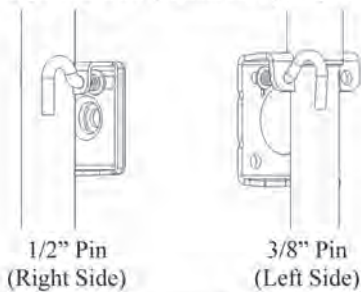
Mount Type (Available by inspection. Note if your mount is welded or bolted to your trailer tongue.)
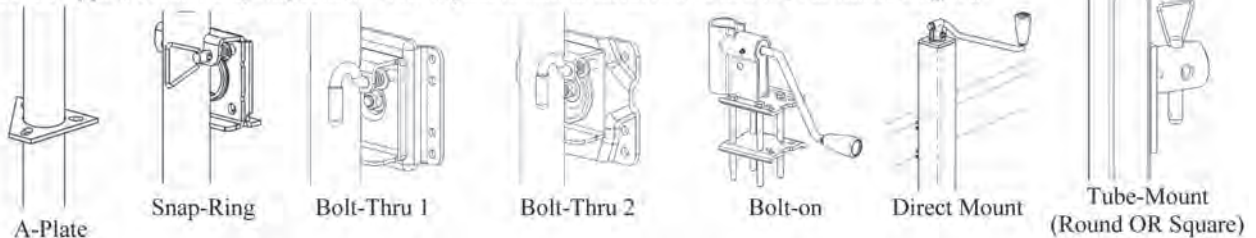
A-Plate   Snap-Ring   Bolt-Thru 1   Bolt-Thru 2   Bolt-on   Direct Mount   Tube-Mount (Round OR Square)

Technical information is current as of the printing of this catalog. Contact technical service for periodic updates.

TECHNICAL

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WHOLE JACK EXAMPLES

Foot/Wheel Type (Available by inspection)

Removable Wheel
(Wheels may also
be fixed to the
jack)

Removable Foot
(Feet may also be
fixed to the jack)

No Foot

Drop Leg

Some Examples of whole jacks are below

Top-Wind,
Eagle Claw Knob,
1/2" Plunger Pin,
Snap-Ring Mount,
Fixed Regular Foot

Side-Wind,
Teardrop Knob,
Internal Gearbox,
1/2" Plunger Pin,
Bolt-Thru I Mount,
No Foot
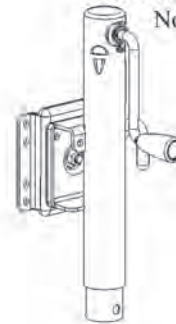
Rack Jack,
Teardrop Knob,
Bolt-on

Top-Wind,
Eagle Claw Knob,
A-Plate,
Removable Wheel
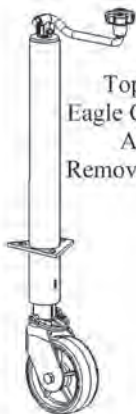
Side-Wind,
Teardrop Knob,
External Gearbox,
Tube Mount,
Fixed Large Foot
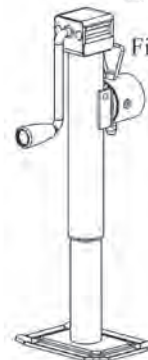
Technical information is current as of the printing of this catalog. Contact technical service for periodic updates.

JACK ASSEMBLY QUICK REFERENCE GUIDE

Assembly Quick-Reference Guide
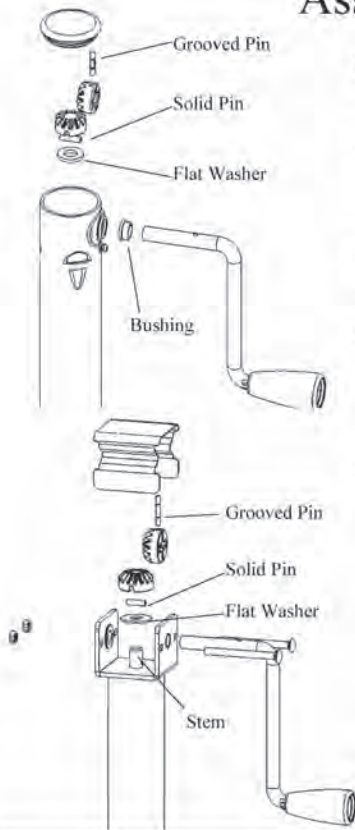
Side-Wind Jack Assembly:
1) Carefully remove all parts from the gearbox. The grooved pin is very secure in place and you may need to rotate the jack handle to reveal and remove it.
2) Place the flat washer over stem at the bottom of the gearbox.
3) Place the solid pin through the hole in the stem and place the gear over the solid pin so that the solid pin rests in the slot on the gear that does NOT go across the entire gear. The lower gear should be the larger of the two gears if the gears are a different size.
4) If you have an internal gearbox, install the bushing from inside the jack tube.
5) Insert the handle through the bushing and the second gear. Be sure the gear teeth are fully engaged and the handle is sticking out the far side of the jack after this step.
6) The grooved pin must now by inserted through the second gear and the handle. It may be necessary to rotate the handle 1/4 turn to expose the hole in the handle. The groove pin will fit very tightly and should be installed carefully to avoid damage to the jack body. Make sure the pin in centered in the handle to ensure smooth cranking.
7) Re-install the cap with even pressure, or with the bolts and nuts as it was removed.
8) Be sure the jack is assembled properly and functions as new before using it to support a load.
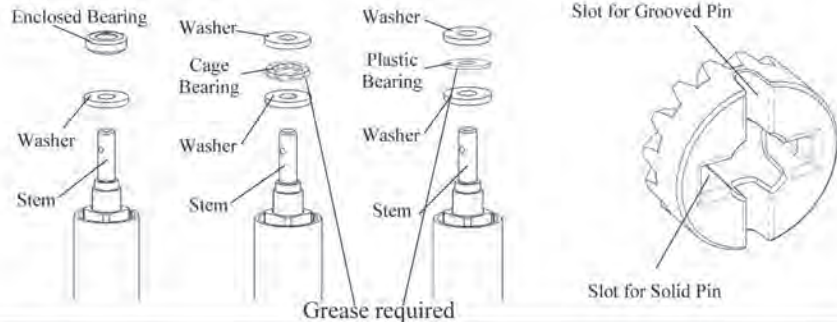
Bolt-Thru Assembly:
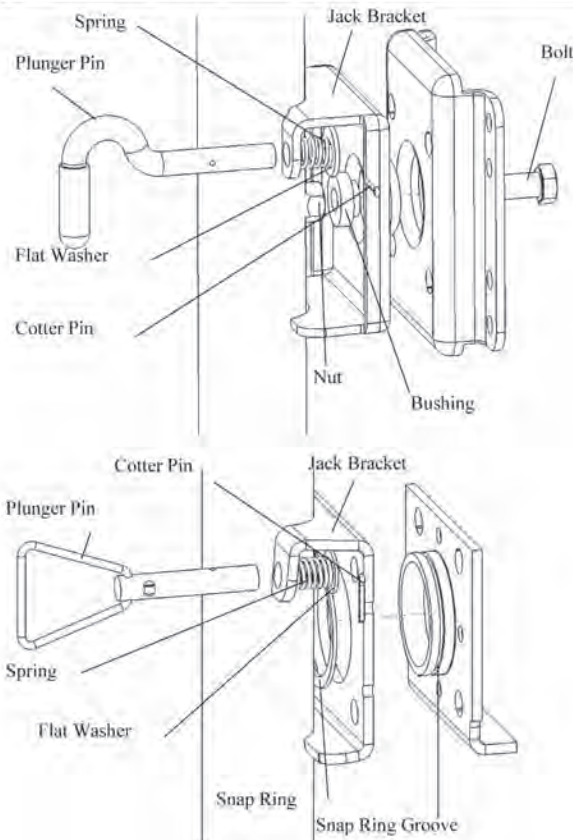Place the jack bracket into the recessed opening of the mount. Place the small end of the bushing into the jack bracket and onto the bolt. Tighten until there is little movement in the bushing.

Snap Ring Assembly:
Place the jack bracket over the mount so that the snap ring groove is reachable on the inside of the jack bracket. Insert the snap ring into the groove. Be sure the snap ring is fully seated in the groove.

Plunger Pin Assembly:
First select the appropriate hole for the plunger pin. When viewing the jack from the crank side, 3/8" pins fit into the left hole, 1/2" plunger pins fit into the right hole. Also check that the mating bracket has the correct size holes in it.
1) Start the plunger pin through the jack bracket and place the spring and washer on the plunger pin before fully inserting the plunger pin through the jack bracket.
2) The spring and washer must be compressed to allow the cotter pin to be properly inserted into the plunger pin.
3) Be sure the jack is assembled properly and functions as new before bending the cotter pin to secure the plunger pin assembly and before using it to support a load.

Technical information is current as of the printing of this catalog. Contact technical service for periodic updates.

## WIRING DIAGRAM FOR TYPICAL 4-FLAT WISHBONE CONNECTOR

• 5-way connector would include blue wire for auxiliary
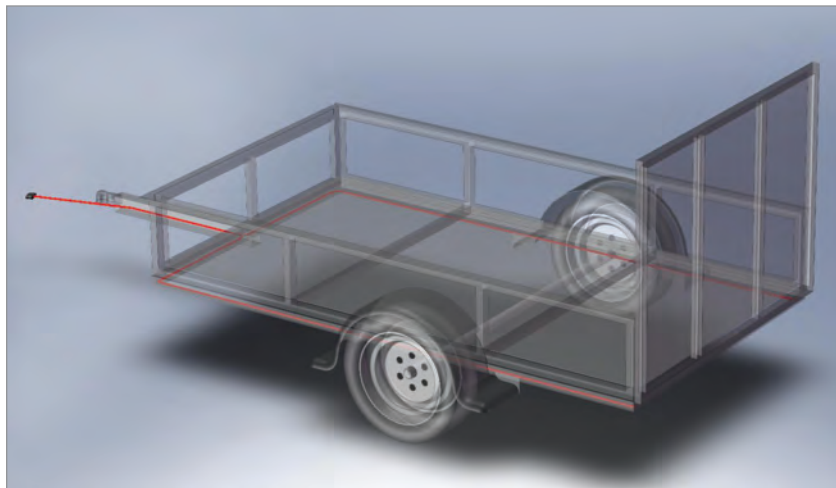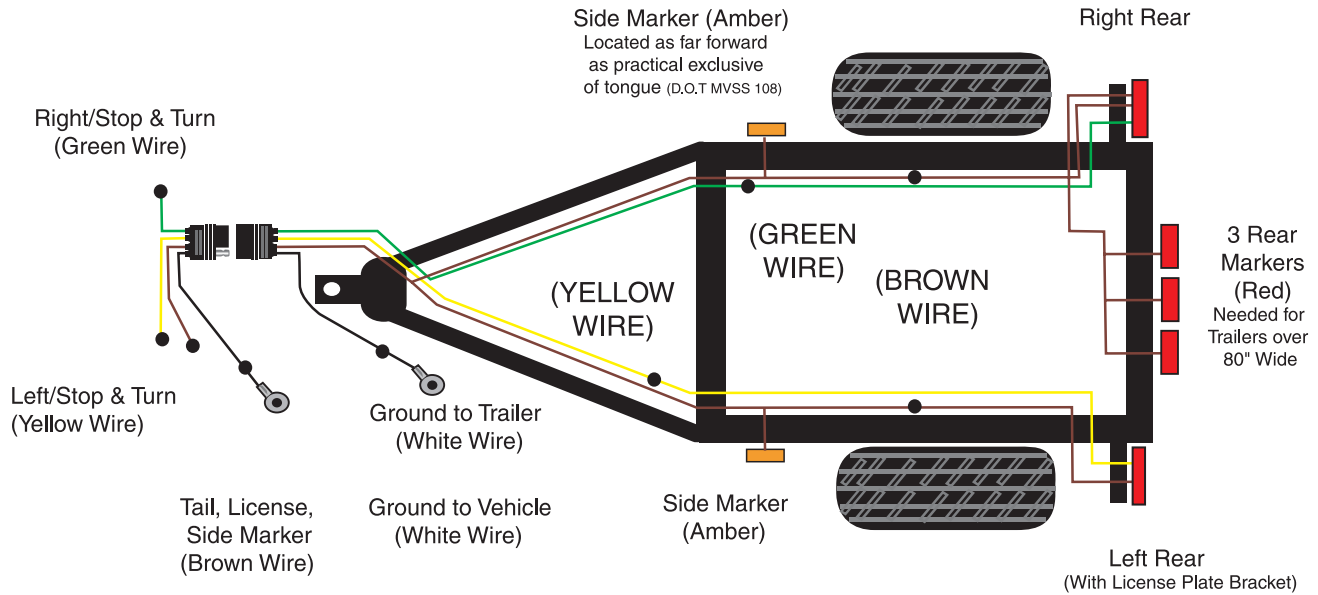
Side Marker (Amber)
Located as far forward
as practical exclusive
of tongue (D.O.T MVSS 108)

Right Rear

Right/Stop & Turn
(Green Wire)

(GREEN WIRE)

(YELLOW WIRE)

(BROWN WIRE)

3 Rear Markers (Red)
Needed for Trailers over 80" Wide

Left/Stop & Turn
(Yellow Wire)

Ground to Trailer
(White Wire)

Tail, License, Side Marker
(Brown Wire)

Ground to Vehicle
(White Wire)

Side Marker (Amber)

Left Rear
(With License Plate Bracket)

4-WAY ROUND PIN / FLAT CONNECTOR WIRING DIAGRAM

4-WAY ROUND PIN CONNECTOR

AUXILIARY — STOP
TAIL MARKER — GROUND

TRAILER END
As viewed from core back side where
wires are attached with screws

AUXILIARY — STOP
TAIL MARKER — GROUND

CAR END
As viewed from core back side where
wires are attached with screws

4-WAY FLAT CONNECTOR

WHITE
(Ground)

BROWN
(Tail, License, Sidemarker,
Clearance & I.D. Lamps)

YELLOW
(Left Turn & Stop)

GREEN
(Right Turn & Stop)

TRAILER END   **CAR END**

5-WAY FLAT CONNECTOR WIRING DIAGRAM

WHITE
(Ground)

BROWN
(Tail, License, Sidemarker,
Clearance & I.D. Lamps)

YELLOW
(Left Turn & Stop)

GREEN
(Right Turn & Stop)

BLUE
(Auxiliary/Hydraulic Brake)

TRAILER END   **CAR END**

6-WAY ROUND PIN CONNECTOR WIRING DIAGRAM

6-WAY MOLDED TRAILER/ SEALED CAR CONNECTOR & CABLE

WHITE   BROWN
             BLUE
             GREEN
YELLOW   RED

WHITE
YELLOW

TRAILER END
As viewed from front
face of 6-way connector
with molded on cable

CAR END
As viewed from front
face of 6-way connector
with sealed cable

6-WAY ZINC DIE-CAST CONNECTOR

BLUE   GREEN
            WHITE
BROWN   RED
            YELLOW

BLUE
BROWN

TRAILER END
As viewed from core
back side where wires are
attached with screws

CAR END
As viewed from core
back side where wires are
attached with screws
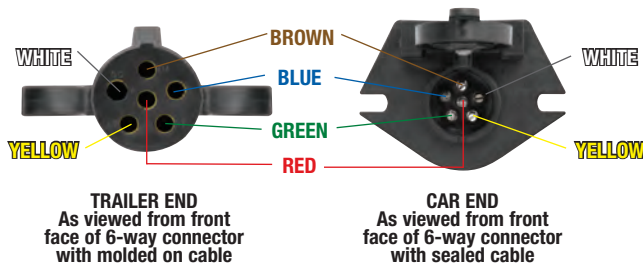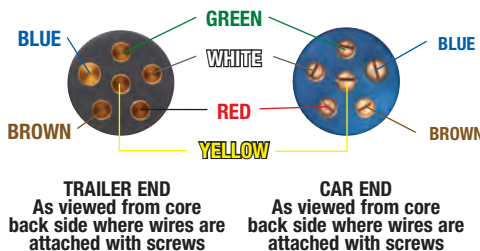
6-WAY WIRING INDEX

Wire Color & Gauge	Molded Trailer/Sealed Car Connector Terminal	Zinc Die-Cast Connector Terminal
White / 10/14 gauge	Common Ground	GD - Common Ground
Blue / 10/14 gauge	Electric Brake	S - Electric Brake
Green / 14 gauge	Right Stop & Turn	TM - Tail & License
Red / 10/14 gauge	Auxiliary	LT - Left Stop & Turn
Brown / 14 gauge	Tail & License	RT - Right Stop & Turn
Yellow / 14 gauge	Left Stop & Turn	A - Auxiliary

TECHNICAL

WESBAR

7-WAY RV BLADE CONNECTOR WIRING DIAGRAM

7-WAY MOLDED TRAILER/ SEALED CAR CONNECTOR & CABLE
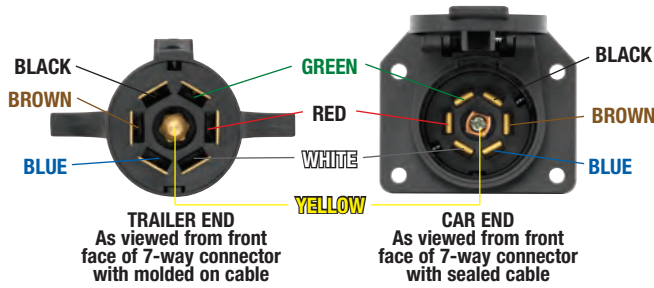
BLACK
BROWN
BLUE
GREEN
RED
WHITE
YELLOW

TRAILER END
As viewed from front
face of 7-way connector
with molded on cable

BLACK
BROWN
BLUE
WHITE

CAR END
As viewed from front
face of 7-way connector
with sealed cable

7-WAY THERMO-PLASTIC/ METAL CONNECTOR
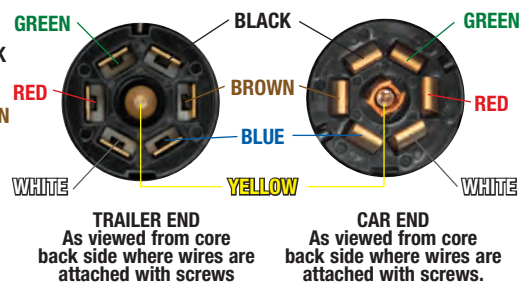
GREEN
BLACK
GREEN
RED
BROWN
BLUE
RED
WHITE
YELLOW
WHITE

TRAILER END
As viewed from core
back side where wires are
attached with screws

CAR END
As viewed from core
back side where wires are
attached with screws.

7-WAY WIRING INDEX

Wire Color & Gauge	Molded Trailer/Sealed Car Connector Terminal	Thermo-Plastic/Metal Connector Terminal
White / 10 gauge	Common Ground	#1 Common Ground
Blue / 12 gauge	Electric Brake	#2 Electric Brake
Green / 14 gauge	Tail & License	#3 Tail & License
Black / 10 gauge	Battery Charge	#4 Battery Charge
Red / 14 gauge	Left Stop & Turn	#5 Left Stop & Turn
Brown / 14 gauge	Right Stop & Turn	#6 Right Stop & Turn
Yellow / 14 gauge	Center Auxiliary	#7 Center Auxiliary

7-WAY MOLDED TRAILER CONNECTORS

PIN CLOCKING

Cold Weather RV - Gauge 2/10, 1/12, 4/14

BLACK
BROWN
BLUE
GREEN
RED
WHITE
YELLOW

TRAILER END
As viewed from front
face of 7-way connector
with molded on cable

Heavy Duty Trailer - Gauge 2/10, 1/12, 4/14

BLACK
GREEN
BLUE
BROWN
YELLOW
WHITE
RED

TRAILER END
As viewed from front
face of 7-way connector
with molded on cable

Cold Weather - Gauge 3/10, 4/14

RED
GREEN
BLACK
BROWN
YELLOW
WHITE
BLUE

TRAILER END
As viewed from front
face of 7-way connector
with molded on cable

WIRE COLOR, GAUGE & FUNCTION
White / 10 gauge / Common Ground
Blue / 12 gauge / Electric Brake
Green / 14 gauge / Tail & License
Black / 10 gauge / Battery Charge
Red / 14 gauge / Left Stop & Turn
Brown / 14 gauge / Right Stop & Turn
Yellow / 14 gauge / Center Auxiliary

WIRE COLOR & GAUGE
White / 10 gauge
Blue / 12 gauge
Green / 14 gauge
Black / 10 gauge
Red / 14 gauge
Brown / 14 gauge
Yellow / 14 gauge

WIRE COLOR & GAUGE
White / 10 gauge
Blue / 14 gauge
Green / 14 gauge
Black / 10 gauge
Red / 10 gauge
Brown / 14 gauge
Yellow / 14 gauge

NOTE: 7-Way Heavy Duty and Cold Weather trailer wiring diagrams represent wire location and color but are NOT supplied to represent any wire or color functions. Please contact your trailer manufacturer for further details.

Technical information is current as of the printing of this catalog. Contact technical service for periodic updates.

7-WAY AG ROUND PIN WIRING DIAGRAM

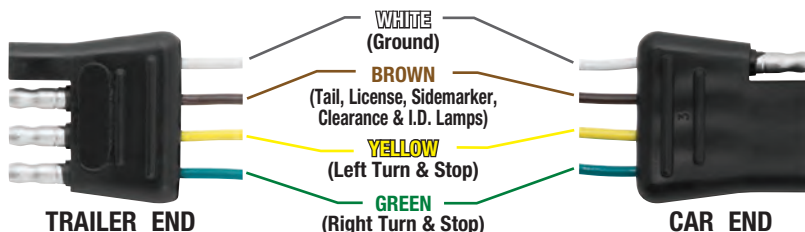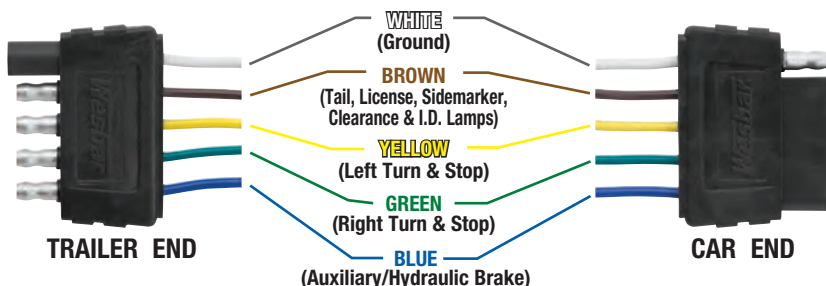## 7-WAY MOLDED TRAILER / SEALED CAR CONNECTOR & CABLE

BLACK   WHITE   BLACK

BLUE   BROWN   BLUE

GREEN

YELLOW   RED   YELLOW

TRAILER END
As viewed from front
face of 7-way connector
with molded on cable
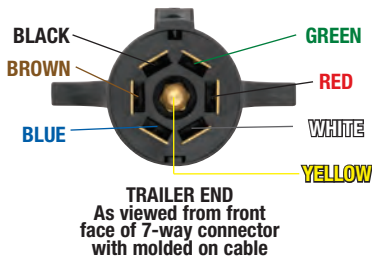
CAR END
As viewed from front
face of 7-way connector
with sealed cable
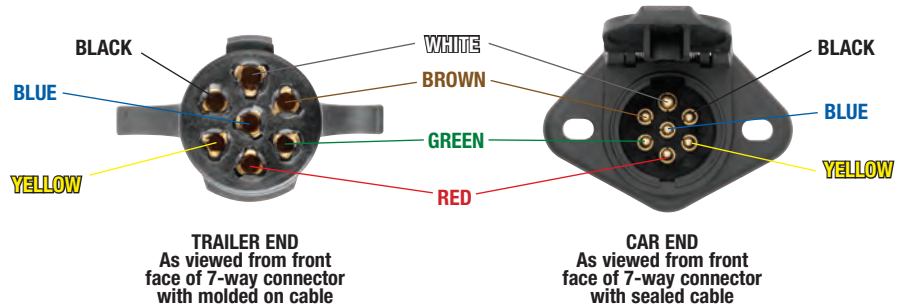
7-WAY WIRING INDEX

Wire Color	Molded Trailer/Sealed Car Connector Terminal	Thermo-Plastic/Metal Connector Terminal
White	Common Ground	Common Ground
Black	Work Lamps	Work Lamps
Yellow	Left-Hand Flashing & Turn Indicators	Left-Hand Flashing & Turn Indicators
Red	Stop Lamps	Stop Lamps
Green	Right-Hand Flashing & Turn Indicators	Right-Hand Flashing & Turn Indicators
Brown	Tail Lamps	Tail Lamps
Blue	Switched Power (12 volt)	Switched Power (12 volt)

STANDARD AG IMPLEMENT ENHANCED LIGHTING SCHEME

Under both the standard and enhanced lighting schemes, when traveling straight forward, the amber (outside) lights flash in unison with the tractor's amber lights on the high intensity at approximately 100 pulses per minute, and the low intensity of the red (inside) lights are on constantly.

With the standard wire harness in place, when a turn is being signaled, the amber light signaling the turn will increase flashing to approximately 120 pulses per minute with the amber light on the opposite side changing to a constant high intensity light. This mirrors the amber light on the tractor. Both red lights, however, remain on a constant low intensity.

To meet the enhanced lighting standard, introduce Electronic AG Light Enhanced Module to the implement's wire harness, and simply add red lights that have an active high intensity along with an additional RH and LH wire to these red lights. With this enhanced AG lighting system, during a turn the red light next to the amber turn side light will rapidly flash on the high intensity in unison with the amber light, and the red light on the opposite side will remain consta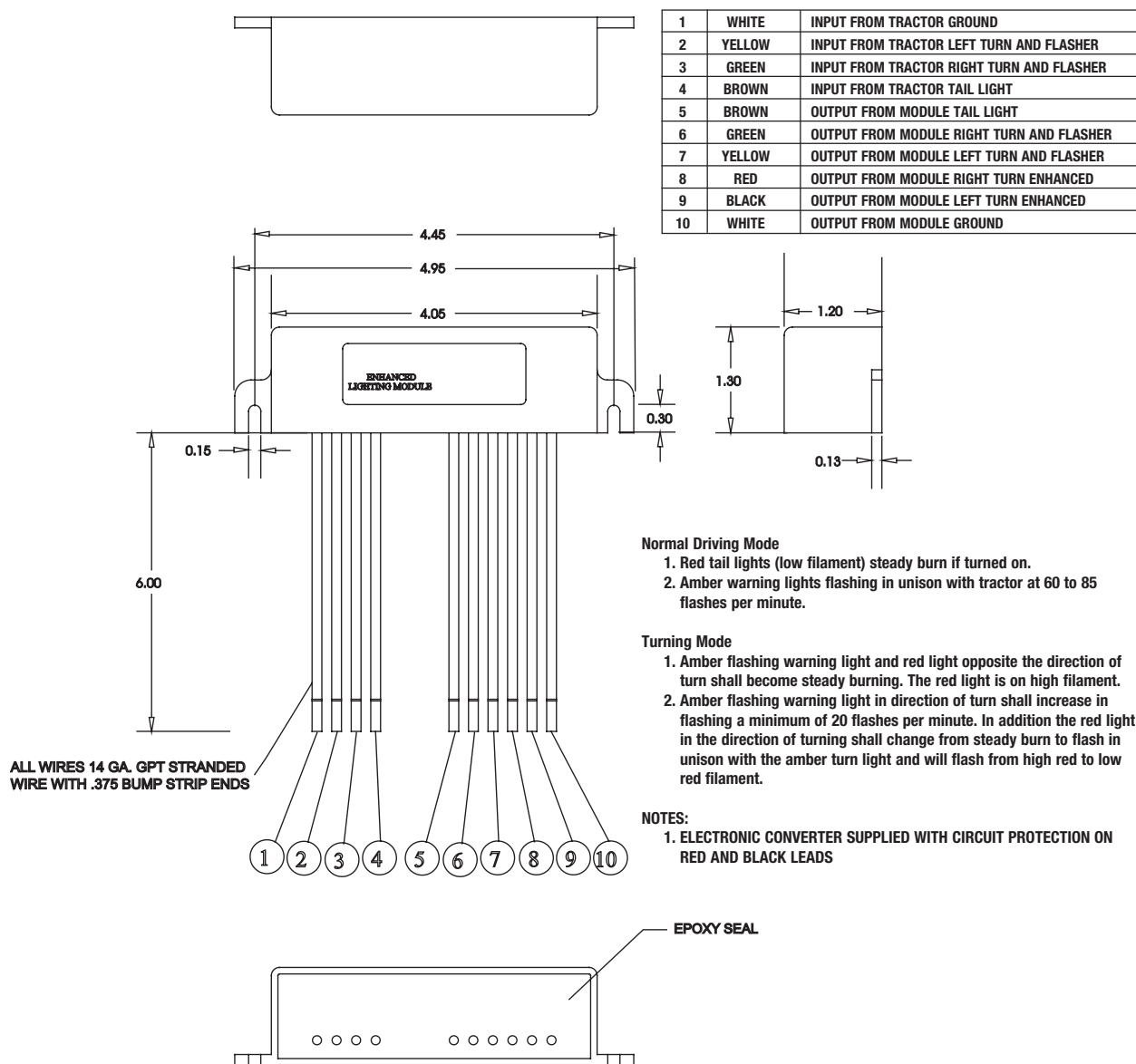nt on the high intensity. This is a dramatic safety feature to better signal (to everyone) turns by tractors and implements.

AG LIGHTING WIRING DIAGRAM

1	WHITE	INPUT FROM TRACTOR GROUND
2	YELLOW	INPUT FROM TRACTOR LEFT TURN AND FLASHER
3	GREEN	INPUT FROM TRACTOR RIGHT TURN AND FLASHER
4	BROWN	INPUT FROM TRACTOR TAIL LIGHT
5	BROWN	OUTPUT FROM MODULE TAIL LIGHT
6	GREEN	OUTPUT FROM MODULE RIGHT TURN AND FLASHER
7	YELLOW	OUTPUT FROM MODULE LEFT TURN AND FLASHER
8	RED	OUTPUT FROM MODULE RIGHT TURN ENHANCED
9	BLACK	OUTPUT FROM MODULE LEFT TURN ENHANCED
10	WHITE	OUTPUT FROM MODULE GROUND

4.45
4.95
4.05
1.20
1.30
0.30
0.13
0.15
6.00

ENHANCED LIGHTING MODULE

ALL WIRES 14 GA. GPT STRANDED WIRE WITH .375 BUMP STRIP ENDS

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

Normal Driving Mode
1. Red tail lights (low filament) steady burn if turned on.
2. Amber warning lights flashing in unison with tractor at 60 to 85 flashes per minute.

Turning Mode
1. Amber flashing warning light and red light opposite the direction of turn shall become steady burning. The red light is on high filament.
2. Amber flashing warning light in direction of turn shall increase in flashing a minimum of 20 flashes per minute. In addition the red light in the direction of turning shall change from steady burn to flash in unison with the amber turn light and will flash from high red to low red filament.

NOTES:
1. ELECTRONIC CONVERTER SUPPLIED WITH CIRCUIT PROTECTION ON RED AND BLACK LEADS

EPOXY SEAL

Technical information is current as of the printing of this catalog. Contact technical service for periodic updates.

TECHNICAL

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AG LIGHTING WIRING DIAGRAM WITH BRAKE

1	WHITE	INPUT FROM TRACTOR GROUND
2	RED	INPUT FROM TRACTOR BRAKE SIGNAL
3	YELLOW	INPUT FROM TRACTOR LEFT TURN AND FLASHER
4	GREEN	INPUT FROM TRACTOR RIGHT TURN AND FLASHER
5	BROWN	INPUT FROM TRACTOR TAIL LIGHT
6	BROWN	OUTPUT FROM MODULE TAIL LIGHT
7	GREEN	OUTPUT FROM MODULE RIGHT TURN AND FLASHER
8	YELLOW	OUTPUT FROM MODULE LEFT TURN AND FLASHER
9	RED	OUTPUT FROM MODULE RIGHT TURN ENHANCED & BRAKE SIGNAL
10	BLACK	OUTPUT FROM MODULE LEFT TURN ENHANCED & BRAKE SIGNAL
11	WHITE	OUTPUT FROM MODULE GROUND

4.95

4.45

4.05

1.20

1.30

ENHANCED LIGHTING MODULE

.30

.15

.13

6.00

ALL WIRES 14 GA. GPT STRANDED WIRE WITH .375 BUMP STRIP ENDS

(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11)

Normal Driving Mode
1. Red tail lights (low filament) steady burn if turned on.
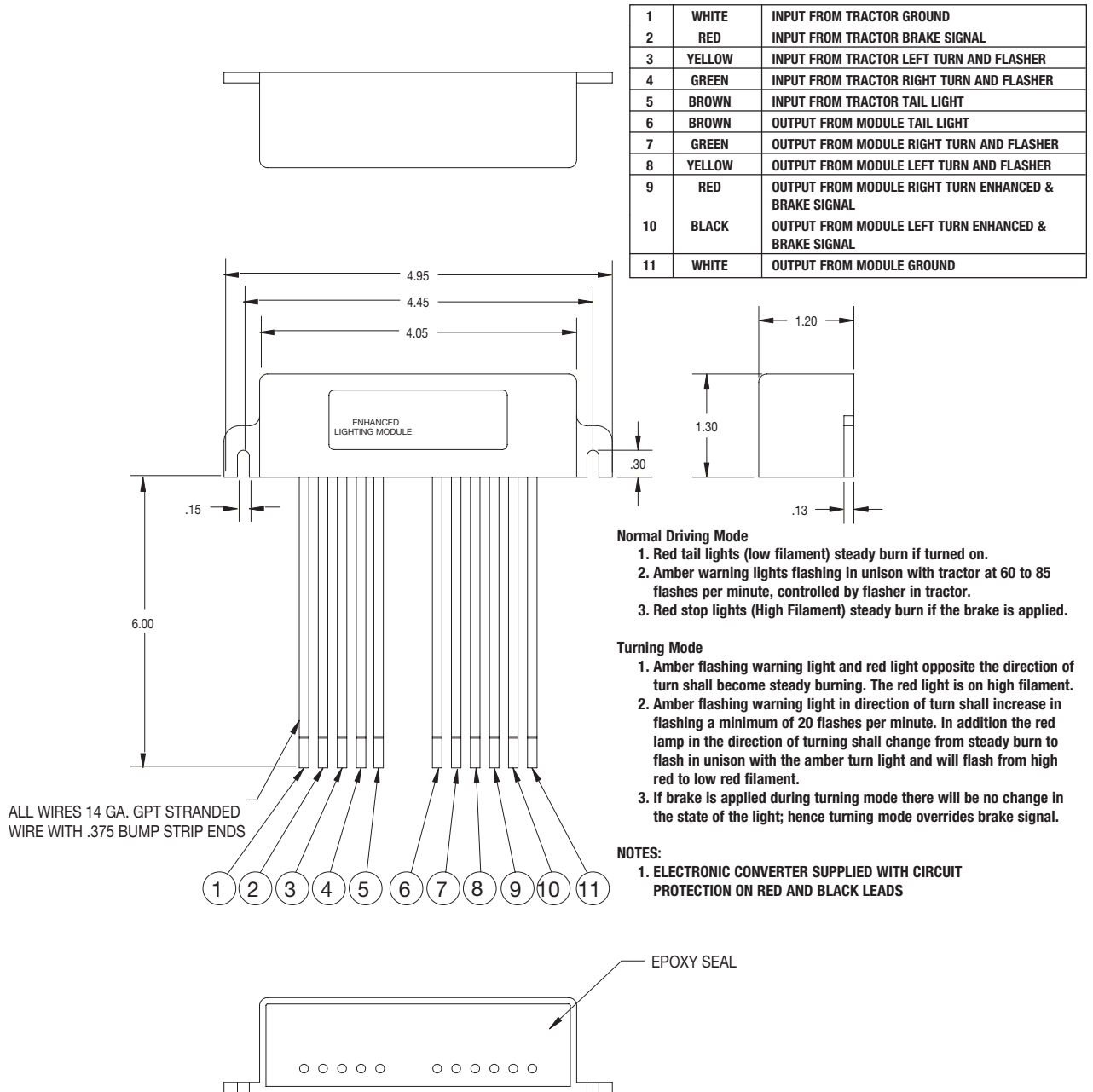2. Amber warning lights flashing in unison with tractor at 60 to 85 flashes per minute, controlled by flasher in tractor.
3. Red stop lights (High Filament) steady burn if the brake is applied.

Turning Mode
1. Amber flashing warning light and red light opposite the direction of turn shall become steady burning. The red light is on high filament.
2. Amber flashing warning light in direction of turn shall increase in flashing a minimum of 20 flashes per minute. In addition the red lamp in the direction of turning shall change from steady burn to flash in unison with the amber turn light and will flash from high red to low red filament.
3. If brake is applied during turning mode there will be no change in the state of the light; hence turning mode overrides brake signal.

NOTES:
1. ELECTRONIC CONVERTER SUPPLIED WITH CIRCUIT PROTECTION ON RED AND BLACK LEADS

EPOXY SEAL

○ ○ ○ ○ ○   ○ ○ ○ ○ ○ ○

Technical information is current as of the printing of this catalog. Contact technical service for periodic updates.

WESBAR   **I-12**

TECHNICAL

AGRICULTURAL LIGHTING INFORMATION

Acrylic Lens

Easily Replaced Bulb

High-Impact, Thermoplastic Housing

Accommodates a Variety of Mounts

AG LIGHTS

Meet lighting standards for agricultural field equipment and improve highway operating safety easily and cost effectively with AG Lights by Horizon Global. No other lighting package offers you the quality and dependability of AG Lights by Horizon Global. Designed specifically for the agricultural industry, AG Lights by Horizon Global withstand the most rigorous field and environmental conditions for long life and wear without repair. A variety of mounts enable easy and quick placement on all towable field equipment – harvesters, field cultivators, tillage equipment, forage boxes, and more.

SAFETY IS KEY

Meet ASAE lighting recommendations for agricultural equipment and improve safety, while operating on highways easily and cost effectively, with AG Lights by Horizon Global. No other lighting package offers you the quality, durability, and reliability of AG Lights by Horizon Global. Designed specifically for the agricultural industry, these Heavy-Duty AG Lights, when combined with Horizon Global's AG Wiring, withstand the most rigorous field and environmental conditions for long life and wear.

DURABLE, DEPENDABLE CONSTRUCTION OF HEAVY-DUTY AG LIGHTS

- High-impact, glass-filled thermoplastic housings deflect objects away from the lens area and prevent them from damaging or dislodging the lights assembly
- Acrylic lenses
- All fasteners provided are coated to resist rust
- Bulb replacement, if ever needed, is simple – uses readily available standard automotive #1157 bulbs

USER-FRIENDLY DESIGN

- AG Harnesses are designed with a full-length ground circuit, from tractor to AG Lamp, assuring reliable and continuous operation
- Each light's wiring is routed through a center port area, helping facilitate a variety of light placement
- AG Lights by Horizon Global are available with a variety of connector options.
- Choose from mounting screws, bolts, or heavy-duty magnets to meet your mounting needs

- All lighting units are designed for easy customer repairs... right in the field. Pry out lenses with flat screwdriver for easy access to, and replacement of, the #1157 bulb
- Five distinctly different light styles to meet your performance and styling requirements

ELECTRONIC ENHANCED AG LIGHTING MODULE

Horizon Global, known for innovation and product reliability, presents an electronic module to deliver the ASAE recommended "enhanced turn signal lighting" with conventional AG lights and a standard wiring scheme. This unit may be hard-wired into the AG lighting harness or coupled-in by use of a variety of plug assemblies.

Use of Horizon Global's electronic enhanced AG lighting module helps to meet the new ASAE standard cost effectively. It eliminates the need for special wedge-based bulbs and non-standard wire schemes to deliver the enhanced turn signal lighting called for by this ASAE standard.
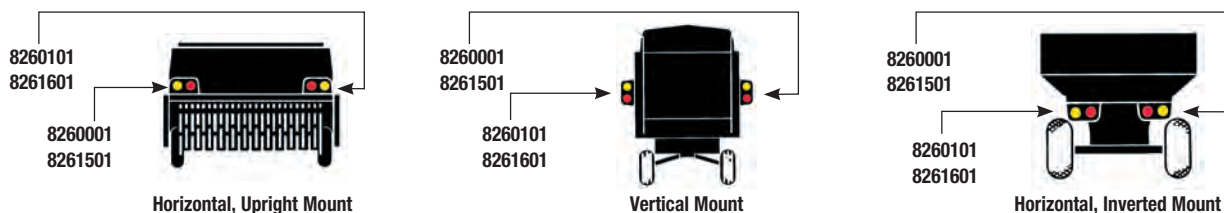
Refer to the Standard AG Implement Enhanced Lighting Guide

MULTIPLE MOUNTING OPTIONS

A variety of mounts enable suitable placement on tractors and all towable field equipment – harvesters, cultivators, tillage equipment, fertilizers, forage boxes, and more. Heavy-Duty AG Lights by Horizon Global have a patented design incorporating multiple mounting options and lighting combinations. Dual AG Light models provide amber flashing and turn indicators plus red tail light functions. Amber or red single lights provide maximum mount flexibility (vertically or horizontally) to meet applicable lighting requirements. All AG Lights by Horizon Global, except the grommeted series, are equipped with an exclusive molded weather-resistant low profile tri-plug. Custom plug configurations are also available.

Additionally, an optional brake light function is available for dual light or single red-lensed models. This optional function is also needed on lights used with enhanced turn light systems. The brake light option is recommended when implements are to be towed by non-farm vehicles or tractors with brakes (brake lights).

AG SAFETY LIGHTING SYSTEMS

8260101
8261601

8260001
8261501

Horizontal, Upright Mount

8260001
8261501

8260101
8261601

Vertical Mount

8260001
8261501

8260101
8261601

Horizontal, Inverted Mount

Technical information is current as of the printing of this catalog. Contact technical service for periodic updates.

LIGHTING TIPS AND FAQS

Do I have to use a light or can I use a reflector instead? Lighting and conspicuity requirements are governed by FMVSS & CMVSS 108. Their use is determined by safety and identification requirements.

Why use LED and not Incandescent? The key difference is the way both technologies operate. While both technologies are an acceptable means for vehicle lighting, LED is the stronger technology in Energy Efficiency, Light Output, Reliability, Safety and Life Expectancy.

Do LED lights have to be mounted differently than Incandescent? No, the FMVSS/CMVSS 108 mounting requirements are the same.

When retrofitting a Bargman 59 or 84/85/86 Series Incandescent light with LED can the old lenses be reused? No, Bargman 59 & 84/85/86 Series LED module kits come with pre-assembled lenses and a simple "plug & play" replacement design.

What does stop/tail/turn mean? How many lights do I need to use to achieve it? Are they the same as "Tail Lights"? Stop/Tail/Turn is a combination rating meaning a specific light or grouping of lights in an assembly meet the requirements for this named combination. This rating can be achieved using 1 light alone as long as the light source meets the requirements for the specific application.

Why does Horizon Global offer so many different types & styles of lights for a vehicle? Horizon Global is never satisfied with the status quo and is continually striving to design lights that will meet the designated federal requirements and fit our customer's specific application needs.

When using a Multi-Function Stop/Tail/Turn Light, is a Backup Light function required and does it matter where the Backup Light is located? The requirement for and location of the Backup Light is determined by vehicle type **and FMVSS/CMVSS 108 requirements.**

Why are some Turn Signal Lights Red and others Amber, does it matter which color I use? Yes, the color does matter. While both colors are acceptable for turn signals, the color use is primarily driven by the "Stop" Function. When using a multi-function Stop/Turn light, the color must be Red as required by FMVSS/ CMVSS 108 requirements.

What does "Over" or "Under" 80 refer to? This is a reference to a vehicles width in inches. There are differing FMVSS/CMVSS 108 requirements covering this dimensional reference point.

What are "Over 80" Combination Tail Lights? These units meet seven or eight lighting requirements as defined by FMVSS/CMVSS 108.

What are "Under 80" Combination Tail Lights? These units meet six or seven lighting requirements as defined by FMVSS/CMVSS 108.

What is the difference between Side Marker & Clearance Lights? Side Marker Lights are mounted on the side of a vehicle and are used to define its length. Clearance Lights are mounted on the front and rear of a vehicle and are used to define its width.

What are "PC" Side Marker/Clearance Lights? These lights meet the FMVSS/CMVSS 108 requirements for photometric certification as both Clearance and Side Marker Lights when properly mounted.

The symbol is for Wet Location Lights. What does it mean? Wet Location Lighting products in this catalog are either: "Waterproof/Sealed" or "Submersible" and are safe to use on marine and other trailers that will be in and around the water or UL listed as suitable for wet location use.

What are Submersible Lights? Submersible lights purposely allow water to enter the light assembly, however a cushion of air forms when water enters the light and will protect the bulbs and electrical connectivity from damage. This natural phenomenon is known as the "Bell Jar Principle". These lights are ideal for boat trailers and utility trailers that will be submersed in water.

What are Waterproof/Sealed Lights? "Waterproof" and "sealed" mean exactly the same - these lights are completely sealed and will not allow water to enter the inside of the light assembly. Many of our new LED Side/Marker and Tail Lights are completely sealed as to prevent water from damaging the circuit board and components associated with LED Technology.
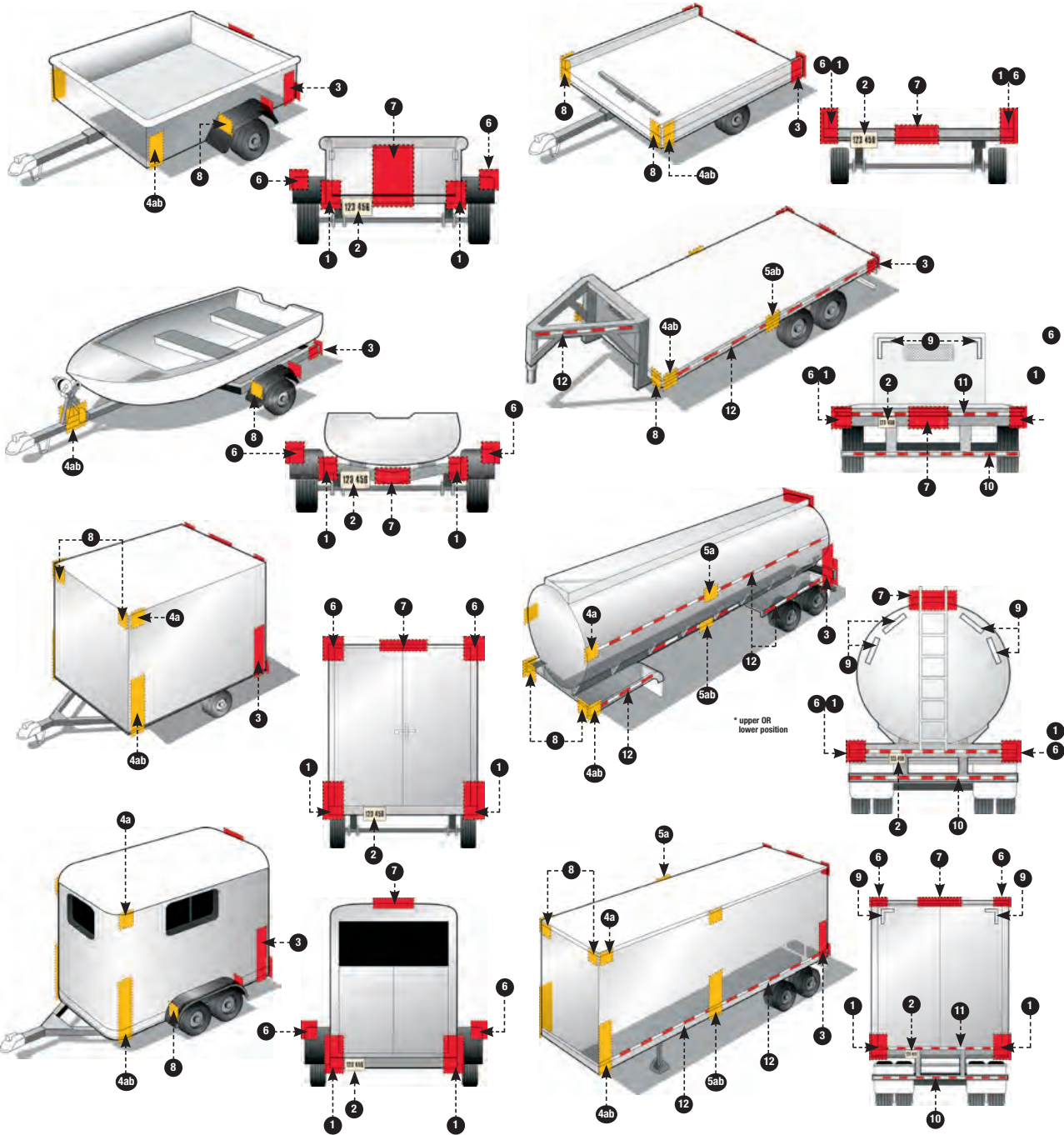
Why are vehicle lights grounded? Vehicle lights are grounded in order to complete the electrical circuit. There are differing ways to ground them to meet various applications.

What is an ID Bar, and can one be used as a multi-function Stop/Tail/Turn as well? An ID Bar is an identification Bar. It consists of 3 lights and is required in order to identify the rear center location on over 80" vehicles. They May Not be used as Multi-Function Lights.

TRAILER FEDERAL LIGHTING EQUIPMENT LOCATION REQUIREMENTS

IMPORTANT NOTE: Every lamp, reflex reflector, and conspicuity treatment must be permanently attached in the location specified below and must comply with all applicable requirements prescribed for it by FMVSS/CMVSS 108. The face of any device on the front/rear and sides should be, respectively perpendicular and parallel to the vehicle's centerline, unless it is photometrically certified at instal-lation angle. No part of the vehicle shall prevent any device from meeting its prescribed requirements unless an auxiliary device meeting all prescribed requirements is installed. In Canada: Manufacturers and importers of vehicles must have the proper certification test records demonstrating compliance of lighting components with all prescribed requirements.

This table summarizes lighting equipment requirements contained in Federal/Canada Motor Vehicle Safety Standard 108. While Horizon Global believes this to be an accurate summary of the latest printed information, the actual standard should be consulted for design or other such purposes. For complete compliance requirements consult Title 49 - Code of Federal Regulations-Section 571.108 (USA) or Section 108 of the Motor Vehicle Safety Regulations (Canada). State or Provincial regulations, where they may apply, have not been included.

TRAILER FEDERAL LIGHTING EQUIPMENT LOCATION REQUIREMENTS

BASIC EQUIPMENT REQUIRED ON ALL TRAILERS

Area	Equipment	SAE Lens Coding	Functional Purpose	Quantity	Color	Location	Height mm(in.) from the ground
1	Tail Lamps	(T)	Indicate vehicle's presence and width	Minimum 2	Red	On the rear - symmetrical as far apart as practicable	380-1830 (15-72)
	Stop Lamps	(S)	Indicate braking	Minimum 2	Red	On the rear - symmetrical as far apart as practicable	380-1830 (15-72)
	Rear Turn Signal Lamps	(I)	Indicate direction of turn	Minimum 2	Red or Yellow	On the rear - symmetrical as far apart as practicable	380-2110 (15-83)
	Rear Reflex Reflectors	(A)	Indicate vehicle's presence and width	Minimum 2	Red	On the rear - symmetrical as far apart as practicable facing rearward	380-1530 (15-60)
2	License Plate Lamp(s)	(L)	Illuminates license plate	Minimum 1	White	On the rear - above or at the sides of license plate	No requirement
3	Rear Side Marker Lamps *photometrically certified at installation angle	(P2, PC* or P3, PC2*)	Front and rear side marker lamps / side reflex reflectors indicate vehicle's presence and length	Minimum 2	Red	Each side at rear as far back as practicable	380-1530 (15-60) no max. for veh. under 2032mm (80") wide
	Rear Side Reflex Reflectors	(A)		Minimum 2	Red	Each side at rear as far back as practicable facing sideward	380-1530 (15-60)
4 a	Front Side Marker Lamps *photometrically certified at installation angle	(P2, PC* or P3, PC2*)		Minimum 2	Yellow	Each side at front as far forward as practicable	380 (15) minimum
b	Front Side Reflex Reflectors	(A)		Minimum 2	Yellow	Each side at front as far forward as practicable facing sideward	380-1530 (15-60)

ADDITIONAL EQUIPMENT FOR TRAILERS EXCEEDING THE FOLLOWING PARAMETERS

Length 9.1m (30 ft.) or longer

Area	Equipment	SAE Lens Coding	Functional Purpose	Quantity	Color	Location	Height mm(in.) from the ground
5 a	Intermediate Side Marker Lamps	(P2 or P3)	Indicate presence of a long vehicle	Minimum 2	Yellow	Each side near center facing sideward	380 (15) minimum
b	Intermediate Side Reflex Reflectors	(A)	Indicate presence of a long vehicle	Minimum 2	Yellow	Each side near center facing sideward	380-1530 (15-60)

Width 2032mm (80 in.) or wider

Area	Equipment	SAE Lens Coding	Functional Purpose	Quantity	Color	Location	Height
6	Rear Clearance Lamps *photometrically certified at installation angle	(P2, PC* or P3, PC2*)	Show vehicle's width MAY NOT be combined with tail lamps	Minimum 2	Red facing rearward	At widest point - symmetrical on the rear or near the rear ID lamps are at the top	As high as practicable may be lower only if
7	Rear Identification (ID) Lamps	(P2 or P3)	Indicate presence of a wide vehicle	Exactly 3	Red	On the rear - center horizontally spaced 150mm (6 in.) to 300mm (12 in.) apart facing rearward	At the top - may be lower if door header narrower than 25mm
8	Front Clearance Lamps *photometrically certified at installation angle	(P2, PC* or P3, PC2*)	Show vehicle's width	Minimum 2	Yellow facing forward	At widest point - symmetrical on the front or near the front	As high as practicable

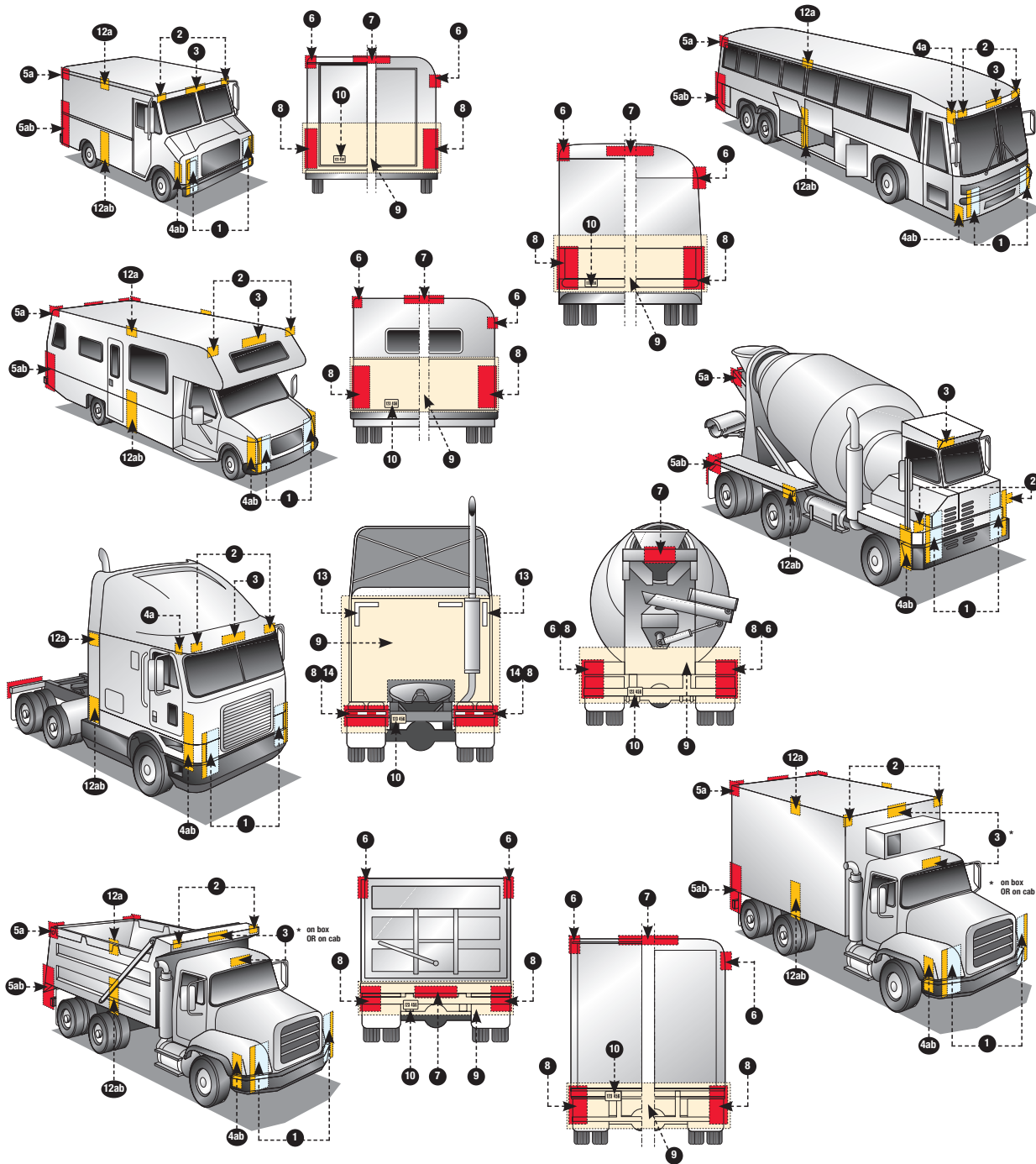### Width 2032mm (80 in.) or wider AND GVWR 4536 kg (10,000 lb.) or more

Area	Conspicuity Treatment	DOT Coding	Quantity	Color	Location	Height	Options
9	Rear Upper Body Markings		Exactly 2 pairs of 300mm long strips	White	On the rear upper corners facing rearward	At the top	
10	Bumper Bar Marking	DOT-C DOT-C2 DOT-C3 DOT-C4	Continuous	Red/White	On the rear bumper bar's horizontal element full width - facing rearward	No requirement	
11	Rear Lower Body Marking		Continuous	Red/White (see options)	On the rear full width of the vehicle facing rearward	As horizontal as practicable and as close as practicable to the range of 375 to 1525mm from the ground	
12	Side Marking		(see location)	Red/White (see options)	Each side - facing sideward continuous, or evenly spaced over minimum of 50% of length starts and ends as close to the front and rear of the vehicle as practicable	As horizontal as practicable and as close as practicable to the range of 375 to 1525mm from the ground	

NOTE: The edge of red conspicuity tape shall not be closer than 75 mm to the edge of any amber lamp and the edge of white conspicuity tape shall not be closer than 75 mm to the edge of any lamp

TECHNICAL

TRUCK FEDERAL LIGHTING EQUIPMENT LOCATION REQUIREMENTS

IMPORTANT NOTE: Every lamp, reflex reflector, and conspicuity treatment must be permanently attached in the location specified below and must comply with all applicable requirements prescribed for it by FMVSS/CMVSS 108. The face of any device on the front/rear and sides should be, respectively perpendicular and parallel to the vehicle's centerline, unless it is photometrically certified at installation angle. No part of the vehicle shall prevent any device from meeting its prescribed requirements unless an auxiliary device meeting all prescribed requirements is installed. In Canada: Manufacturers and importers of vehicles must have the proper certification test records demonstrating compliance of lighting components with all prescribed requirements.

This table summarizes lighting equipment requirements contained in Federal/Canada Motor Vehicle Safety Standard 108. While Horizon Global believes this to be an accurate summary of the latest printed information, the actual standard should be consulted for design or other such purposes. For complete compliance requirements consult Title 49 - Code of Federal Regulations-Section 571.108 (USA) or Section 108 of the Motor Vehicle Safety Regulations (Canada). State or Provincial regulations, where they may apply, have not been included.

TRUCK FEDERAL LIGHTING EQUIPMENT LOCATION REQUIREMENTS

BASIC EQUIPMENT REQUIRED ON ALL TRUCKS, BUSES & MPVs

Area		DESCRIPTION			MANDATORY REQUIREMENTS			
	Equipment		SAE Lens Coding	Functional Purpose	Quantity	Color	Location	Height mm(in.) from the ground
1	Headlamps - Lower Beam US requires "DOT" lettering on lens US&Canada - light source code required on lens		(H, HR)	Forward road illumination	Minimum 2	White	On the front - symmetrical as far apart as practicable If 4 lamp system - outboard or above upper beams	560-1370 (22-54)
	Headlamps - Upper Beam US requires "DOT" lettering on lens US&Canada - light source code required on lens		(H, HR)	Forward road illumination	Minimum 2	White	On the front - symmetrical If 4 lamp system - inboard or below lower beams	560-1370 (22-54)
	Parking Lamps Vehicles less than 2032mm wide		(P)	Indicate parked vehicle	Minimum 2	White or Yellow	On the front - symmetrical as far apart as practicable	380-1830 (15-72)
	Daytime Running Lamps (DRL) Canada - required / US - option US requires "DRL" lettering on lens if not headlamp		(Y2)	Indicate in use vehicle	Minimum 2	White or Yellow	On the front - symmetrical as far apart as practicable on type of DRL	380 (15) min. Max. depends
	Front Turn Signal/ Hazard Warning Lamps		(I)	Indicate direction of turn/ identify disabled vehicle	Minimum 2	Yellow	On the front- symmetrical as far apart as practicable	380-2110 (15-83)
2	Front Clearance Lamps Vehicles 2032mm wide or wider *photometrically certified at installation angle		(P2, PC* or P3, PC2*)	Show vehicle's width	Minimum 2	Yellow	At widest point - symmetrical on the front or near the front facing forward	As high as practicable
3	Front Identification Lamps (ID) Vehicles 2032mm wide or wider		(P2 or P3)	Indicate presence of a wide vehicle	Exactly 3	Yellow	On the front - center horizontally spaced 150 mm (6 in.) to 300 mm (12 in.) apart	As high as practicable or on top of the cab
4	a	Front Side Marker Lamps *photometrically certified at installation angle	(P2, PC* P3, PC2*)	Front and rear side marker lamps / side reflex reflector indicate vehicle's presence and length	Minimum 2	Yellow	Each side at front as far forward as practicable	380 (15) minimum
	b	Front Side Reflex Reflectors	(A)		Minimum 2	Yellow	Each side at front as far forward as practicable facing sideward	380-1530 (15-60)
5	a	Rear Side Marker Lamps ** *photometrically certified at installation angle	(P2, PC* or P3, PC2*)		Minimum 2	Red	Each side at rear as far back as practicable	380 (15) minimum
	b	Rear Side Reflex Reflectors ** **not required on Truck Tractors	(A)		Minimum 2	Red	Each side at rear as far back as practicable facing sideward	380-1530 (15-60)
6	Rear Clearance Lamps Vehicles 2032mm wide or wider Not required on Truck Tractors *photometrically certified at installation angle		(P2, PC* or P3, PC2*)	Show vehicle's width MAY NOT be combined with tail lamps	Minimum 2	Red	At widest point - symmetrical on the rear or near the rear facing rearward	As high as practicable may be lower only if rear ID lamps are at the top
7	Rear Identification (ID) Lamps Vehicles 2032mm wide or wider Not required on Truck Tractors		(P2 or P3)	Indicate presence of a wide vehicle	Exactly 3	Red	On the rear - center horizontally spaced 150mm (6 in.) to 300mm (12 in.) apart facing rearward	At the top may be lower if doo narrower than 25mm
8	Tail Lamps		(T)	Indicate vehicle's presence and width	Minimum 2	Red	On the rear - symmetrical as far apart as practicable	380-1830 (15-72)
	Stop Lamps		(S)	Indicate braking	Minimum 2	Red	On the rear - symmetrical as far apart as practicable	380-1830 (15-72)
	Rear Turn Signal/ Hazard Warning Lamps		(I)	Indicate direction of turn/ identify disabled vehicle	Minimum 2	Red or yellow	On the rear - symmetrical as far apart as practicable	380-2110 (15-83)
	Rear Reflex Reflectors		(A)	Show vehicle's presence and width	Minimum 2	Red	On the rear - symmetrical as far apart as practicable	380-1530 (15-60)
9	Backup Lamp		(R)	Illuminates ground behind the vehicle and alert road users	Minimum 1	White	Rear	No requirement
10	License Plate Lamp(s)		(L)	Illuminates license plate	Minimum 1	White	On the rear - above or at the sides of license plate	No requirement
11	Center High Mounted Stop Lamp Vehicles less than 2032mm wide and 4536kg		(U3)	Indicates braking	1	Red	On the rear - centerline of the vehicle	860 (34) minimum

ADDITIONAL EQUIPMENT FOR SPECIFIC VEHICLES
VEHICLES 9.1m (30 ft.) LONG OR LONGER

Area		DESCRIPTION			MANDATORY REQUIREMENTS			
	Equipment		SAE Lens Coding	Functional Purpose	Quantity	Color	Location	Height mm(in.) from the ground
12	a	Intermediate Side Marker Lamps	(P2 or P3)	Indicate presence of a long vehicle	Minimum 2	Yellow	Each side near center	380 (15) minimum
	b	Intermediate Side Reflex Reflectors	(A)	Indicate presence of a long vehicle	Minimum 2	Yellow	Each side near center facing sideward	380-1530 (15-60)

Truck Tractors

Area	DESCRIPTION Conspicuity Treatment	DOT Coding	MANDATORY REQUIREMENTS				
			Quantity	Color	Location	Height	Options
13	Rear Upper Body Markings	DOT-C DOT-C2 DOT-C3 DOT-C4	Exactly 2 pairs of 300mm long strips	White	Rear upper corners of cab facing rearward	As high as practicable excluding fairings	
14	Rear Marking		Exactly 2 sections of min. 600mm each	Red/ White	Rear - facing rearward - on fenders, on mud flap brackets, or within 300mm below the top of mud flaps	As horizontal as practicable and not higher than 1525mm from the ground	If mud flaps not used - on the cab or frame mounted brackets

NOTE: The edge of red conspicuity tape shall not be closer than 75 mm to the edge of any amber lamp and the edge of white conspicuity tape shall not be closer than 75 mm to the edge of any lamp

Wesbar

BREAKAWAY SWITCH INSTALLATION INSTRUCTIONS

READ THIS FIRST:
Read and follow all instructions carefully before installing or operating the breakaway Switch. Keep these instructions for future reference.

Important Facts to Remember

1. **ATTENTION INSTALLER:** Please give this sheet to consumer upon completion of installation
2. **SAFETY ITEM:** Solder all wire connections
3. Check condition of battery prior to each trip.
4. ⚠ **WARNING** Disconnect trailer plug before testing breakaway unit. Failure to do so will result in severe damage to electronic brake control
5. ⚠ **WARNING** Check your breakaway system periodically to insure that wiring and connections are secure. A short or an open circuit can result in a no-brake condition.
6. For optimal performance, it is recommended that breakaway devices be replaced every 3-5 years
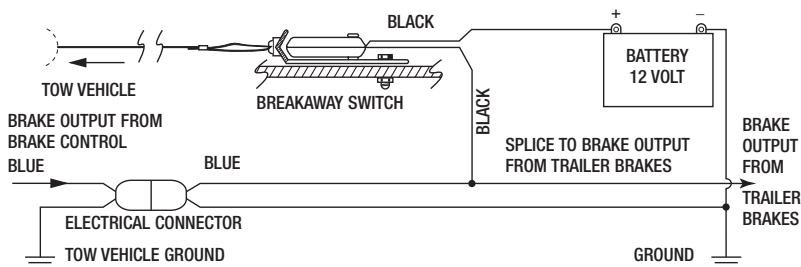
Installation Guide

1. Mount Battery Case securely to frame, jack post or other suitable location on trailer with Breakaway Switch Cable towards tow vehicle
2. ⚠ **WARNING** Switch location should be selected to ensure unobstructed line of pull in event of vehicle separation.
3. Bolt breakaway switch bracket to frame of trailer or battery case bracket using 1/4" bolt and lock nut or (2) 1/4" jam nuts. (Bolt and nuts not included in kit)
4. ⚠ **WARNING** Do not over tighten bolt. Switch must be able to pivot

5. Disconnect trailer from tow vehicle. Check and install battery
6. Wire per schematic. Properly insulate all connections
7. Attaching to tow vehicle: Attach Breakaway Switch Cable to tow vehicle frame being certain the cable does not drag on the ground and no strain or restriction is placed on the cable
8. ⚠ **WARNING** Do not hook cable to safety chain loop or hitch ball

ABCD / TOW CHARGER / 12 VOLT LEAD-ACID BATTERY INSTRUCTIONS AND INSTALLATION

1. Remove Charger and Battery from the battery case
2. Mount battery case securely to frame, jack post or other suitable location on trailer
3. Bolt Breakaway Switch\ to frame of trailer or battery case bracket
4. Disconnect trailer from tow vehicle. Install battery and charger into the battery case. Feed wires out the back, then close the top
5. Wire per schematic diagram Properly insulate all connections

Important Facts to Remember

1. ⚠ **CAUTION** Improper installation of the breakaway battery will destroy the brake control. The negative (-) terminal must attach to ground and positive (+) terminal must attach to the breakaway switch
2. ⚠ **WARNING** Check your Breakaway System\ periodically to insure that wiring and connections are secure. A short or an open circuit can result in a no-brake condition
3. If excessive discharging of the breakaway battery occurs, check battery and recharge using a Heavy Duty Multi Stage/Maintenance Charger. Tekonsha charger 2024-07 is recommended for proper charging
4. If the secondary battery needs charging, current will be drawn from the tow vehicle's battery at anytime the tow vehicle is connected to the trailer. Tekonsha charger 2024-07 is recommended for proper charging
5. To only charge the breakaway battery when vehicle is running, a battery isolator may be installed in the 12 volt supply line (RED wire for tow charger)
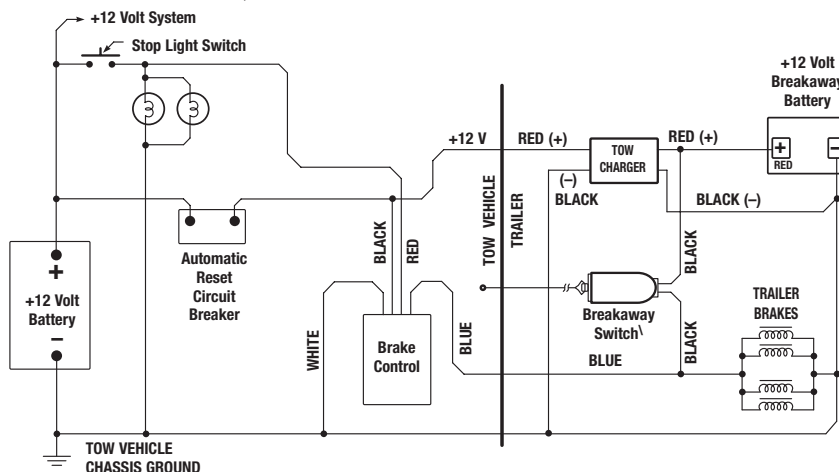
12 Volt Sealed Lead-Acid Battery

To maximize the life of the battery the following conditions should be met:

1. Avoid over or undercharge. This is the single worst enemy of lead-acid batteries
2. Batteries should not be stored in a discharged state or at elevated ambient temperatures
3. Avoid exposing batteries to heat! Service life is shortened considerably at ambient above 30°C (86°F)
4. Due to the characteristics of this battery, after six to nine months of storage, the battery should be recharged
5. Charge the battery at the proper rate. Current should be limited to 1.2 amps or less

6. Provide adequate air circulation when charging battery. Do not charge battery in any other container besides the supplied battery box
7. ⚠ **CAUTION** Do not place batteries in close proximity to objects which can produce sparks or flames
8. Do not expose battery case to organic solvents or adhesives
9. ⚠ **CAUTION** Do not attempt to disassemble batteries. Contact with sulfuric acid may cause harm
10. ⚠ **CAUTION** Fasten batteries tightly and make provisions for shock absorption if exposure to shock or vibration is likely
11. ⚠ **WARNING** Do not throw batteries into fire; batteries so disposed may rupture or explode

Battery Data Chart

- 12 VOLT
- Maximum charge current must be limited to 1.2 amps
- Length = 3.54" Width = 2.76" Height = 4.13"
  Terminals: Fasten Tab .187" x .032"
- Service Life:
  Under normal operating conditions, 4-5 years in standby applications or 200-1000 charge/discharge cycles depending upon depth of discharge and rate of charge
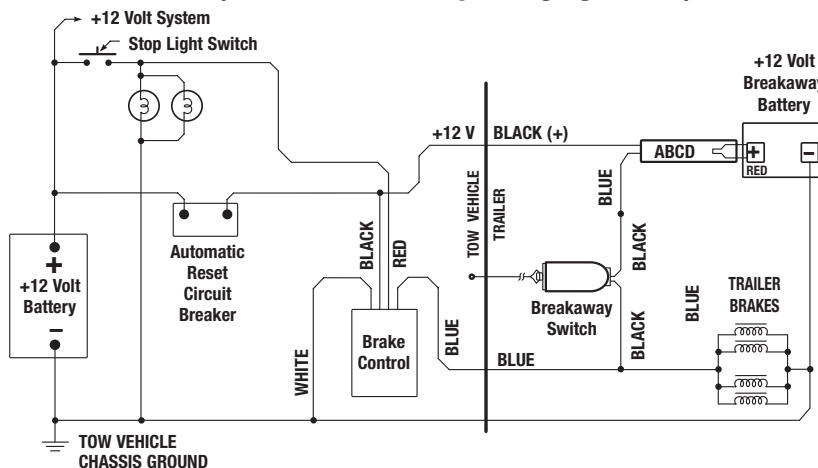
HEAVY DUTY QUICK/MAINTENANCE MULTI STAGE CHARGER

ABCD (Accelerated Battery Charging Device)

*   Refer to Breakaway Switch Installation Instructions for complete operating instructions and cautionary statements

TRAILER BRAKE TROUBLESHOOTING

NO BRAKES
- Check for defective circuit breaker
- Check for open or shorted circuit
- Check for properly wired system, including a good ground between towing vehicle and trailer, not through trailer hitch
- Check for defective controller or loose wiring at controller
- Check brake adjustment
- Check for defective resistor or loose wiring at resistor (hydraulic units only)
- Check for defective or worn magnet(s)
- Check for damaged or worn connector between towing vehicle and trailer
- Ensure correct controller is installed

INTERMITTENT OR SURGING BRAKES
- Check for defective circuit breaker
- Check for out-of-round brake drums
- Check for properly wired system, including a good ground between towing vehicle and trailer, not through trailer hitch
- Check for defective magnets or magnet wiring
- Check for loose or worn wheel bearings

INEFFECTIVE OR WEAK BRAKES
- Insure trailer is not overloaded
- Check for loose or corroded connections
- Check for properly wired system, including a good ground between towing vehicle and trailer, not through trailer hitch
- Check for shorted circuit
- Check for proper variable resistor resistance (external resistor or controller) to trailer (for hydraulic units only)
- Worn or defective magnet
- Check brake adjustment. Check for bent backing plate flange
- Check for contaminated brake linings
- Check brake system wiring to ensure proper gauge wiring is used. Ensure wiring is not connected through the stop light circuit
- Check for worn, damaged or improper brake linings
- Check for weak or broken brake shoe return spring
- Check for defective or worn brake drums
- Check for loose axle
- Check that correct controller is installed
- Improper controller installed or settings (level or gain)

GRABBING OR LOCKING BRAKES
- Check for improperly installed flanges
- Check for contaminated brake linings (grease on linings)
- Check for weak or broken brake shoe return spring
- Check for out-of-round brake drums
- Ensure a variable resistor is installed (if necessary) (hydraulic units only)
- Check for variable resistor for proper resistance (hydraulic units only)

GRABBING OR LOCKING BRAKES (Continued)
- Check that correct controller is installed
- Rust on armature plate or brake drum
- Check for loose or worn wheel bearings
- Improper controller installed position
- Check for improper gain setting
- Check for improper boost setting

DRAGGING BRAKES
- Check brake adjustment
- Check for defective controller
- Check for improperly installed flange
- Check for corroded brake assembly
- Check for weak or broken brake shoe return spring
- Check for worn or damaged lever arm between magnet and brake shoe
- Improper controller installed position

NOISY BRAKES
- Check brake adjustment
- Check for worn brake shoes
- Check for contaminated brake linings
- Check for weak or broken shoe return springs
- Check for bent backing plate
- Check for improperly installed flange
- Check wheel bearing adjustment
- Check for worn or damaged wheel bearings
- Check for worn or damaged magnets

BRAKES LOCKED, BRAKE PEDAL NOT DEPRESSED
- Check stoplight switch adjustment
- Check for short between stoplight switch circuit and power supply circuit
- If brakes are locked when 4-way flashers are operated, check for Pulse Preventer installed in circuit
- Check breakaway switch (pulled)

UNEVEN TIRE WEAR
Possibly due to: A bent or misaligned axle, Improper tire inflation. On tandem axle trailers, check voltage at front axle and rear axle with brakes applied. At times, the front axle will "lift" allowing front wheel to lock and slide. Correction can be made installing magnets with even resistance.

INOPERATIVE BREAKAWAY SWITCH
- Check for dead or weak 12-volt battery, on trailer
- Check all wiring and connections
- Check breakaway switch
- If only one brake is operating, check other magnets

TRAILER BRAKE ADJUSTMENT**

Brakes should be adjusted after the first 200 miles of operation when the brake shoes and drums have "seated" and at 3000 mile intervals, or as use and performance requires. The brakes should be adjusted in the following manner:

1. Jack up trailer and secure on adequate capacity jack stands. Follow trailer manufacturers recommendations for lifting and supporting the unit. Check that the wheel and drum rotate freely

⚠ **WARNING** Do not lift or support trailer on any part of the axle or the suspension system

2. Remove the adjusting hole cover from the adjusting slot on the bottom of the brake backing plate

3. With a screwdriver or standard adjusting tool, rotate the starwheel of the adjuster assembly to expand the brake shoes. Adjust the brake shoes out until the pressure of the linings against the drum makes the wheel very difficult to turn
Note: With drop spindle axles, a modified adjusting tool with about an 80 degree angle should be used

4. Then rotate the starwheel in the opposite direction until the wheel turns freely with a slight lining drag

5. Replace the adjusting hole cover and lower the wheel to the ground

6. Repeat the above procedure on all brakes

⚠ **WARNING** Never crawl under your trailer unless it is resting on properly placed jack stands

Follow the trailer manufacturers recommendations for lifting and supporting the unit. Do not lift or place supports on any part of the suspension system.
**Note: Trailer Brake Adjustment procedures courtesy Dexter Axle

TECHNICAL

Technical information is current as of the printing of this catalog. Contact technical service for periodic updates.

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ELECTRIC TRAILER BRAKE PART IDENTIFICATION

Manufacturer Identification

AL-KO	AL-KO levers are very flat. The brake shoes do not have anything unusual about them. AL-KO uses only one return spring at the top on both 10 and 12-inch units. With the drum off, you can tell what size the system is if the magnets have never been replaced. The 10-inch brake will have a magnet with light green wires and the 12-inch brake will have white wires.
Dexter	Dexter uses a stamp on the back of the backing plate that identifies the size of the brake. Looking on the back side you will see a triangle. Around the triangle you will see Dexter and the size (i.e. 10" X 2 1/2" or 12" X 2"). Dexter uses 2 return springs on all late model brakes; some early 12-inch brakes used a single return spring.
Hayes	Hayes brake shoe webs have a tooth that hangs down at the top and use a single return spring. Early 12-inch brakes used a dual return spring. Hayes axle is owned by AL-KO. AL-KO backing plates have been seen on some of the new Hayes axles. It looks as if they are still using the Hayes name and are starting to use AL-KO parts.
Fayette	Fayette axles are obsolete. If you find a Fayette axle tag and the trailer is worth keeping you should consider changing the axles to AL-KO or Dexter. At that time it is recommended that the spring hangers and bushings also be replaced.

Brake Size Identification

Axle Identification	Axles generally have an ID tag located on the axle crossbar that gives you the axle capacity. Check there first. This would give you a starting reference point.
Brake Drum / Shoe Size	Measuring is the same for all brands. Using a tape measure you can do a random measurement as to the diameter by measuring across the drum. If it is a 10-inch drum you will measure approximately 11 inches across for an outside measurement. The 12-inch brake will measure approximately 13 inches for an outside measurement. The drum would need to be removed to get the correct diameter and width.

Magnet Identification
Magnets can be identified by the color of the wire used

Dexter 7" X 1 1/4"	The magnets are round. Prior to April 1990 they had yellow wires, after 1990 the magnet has white wires. Replacement of magnets will need to be done in pairs and updated to the new magnet along with the lever. The early levers are weak and will bend and hang up as they wear.
Dexter 10" X 1 1/2"	The magnet wires for the early model round magnets are white and the late model oval magnets are yellow.
Hayes 10" X 1 5/8"	The magnet wires for the early model round magnets are red and the late model oval magnets are green.
AL-KO 10" X 2 1/4"	It will have light green wires.
Hayes 10" X 2 1/4"	The early model round will have red wires and the late model will have oval green wires.
Dexter 10" X 2 1/4"	It uses green wires.
Fayette 10" X 2 1/4"	The round magnets will have white wires (obsolete).
AL-KO 12" X 2"	It will have white wires.
Hayes 12" X 2"	The early model round magnet will have red wires, the late model will be an oval magnet with white wires.
Dexter 12" X 2"	It will have white wires.
Dexter Centerline 12" X 2"	The 4.5K axles will have red orange wires, the 6/7K axles will have red wires (obsolete for both sizes).

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BENCH TESTER INSTRUCTIONS

Many apparent brake control "failures" are the result of either faulty wiring or improper setup. The Tekonsha® Bench Tester is a test device designed to assist in determining if a brake control is working properly. This unit allows you to check a brake control for output, independent of vehicle wiring. The Bench Tester can simulate many fault conditions including open ground, short circuit, open load, and more.

To Use Bench Tester:

1. Turn off the power of the Bench Tester

2. Disconnect the brake control from the tow vehicle

3. Strip the insulation from the brake control's wires to about 1/4 inch and clip the matching color/function alligator clip of its corresponding stripped wire. DO NOT REVERSE THE GROUND AND POWER WIRES AS YOU MAY PERMANENTLY DAMAGE THE BRAKE CONTROL

4. Turn on the power of the Bench Tester

If the control being tested is manufactured by Tekonsha:

1. The brake control's LED should glow green if it has a bi-colored LED. The display should show a ".c" if it has a digital readout. If you have the P3 brake control, you will see the Tekonsha logo. These conditions indicate a normal load connection

2. Now set the brake control's power setting to maximum and actuate the control's manual override lever. The output voltage on the Bench Tester's voltmeter should read about 12 volts and the brake control LED display should glow bright red or show either 12 or 13. Release the manual lever. Lay the control on a flat surface and follow the directions for leveling the sensor per manufacturer's instructions

3. Depress and hold the Bench Tester's brake switch

   A. If you are testing a proportional control, tilt the brake control by moving the front of the control up to about 30-45 degrees to fully activate the accelerometer. The voltage on the tester's meter should again read approximately 12V

B. If the control being tested is a time-actuated device, you will see the voltage progressively "ramp-up" to the control's maximum output

> NOTE: If the brake control works normally on the Bench Tester then the problem is likely in the vehicle wiring or the control setup. If you check the vehicle/trailer wiring and it appears to be normal you can refer to our product catalog.

⚠ **CAUTION** Tekonsha controls are built to withstand many electrical fault conditions without damage to their ultimate performance. Please be aware that some competitive products may not be capable of surviving the same punishment so care should be exercised when testing these units

CURRENT MONITOR INSTRUCTIONS

The Current Monitor is a testing device designed to assist in determining whether a tow vehicle's trailer connector has been wired properly. This unit is also an excellent diagnostic tool for the installation, setup and troubleshooting of electric trailer brake controls and may be used to level and pre-set a brake control when a trailer is not available.

To Use Current Monitor:

1. Simply plug the tester into the vehicle's trailer connector

2. Sitting in the driver's seat, position the switch (located between the amp meter & voltmeter gauges) to the "Trailer Brakes" position

3. Then position the switch labeled "Number of Axles" to the appropriate position for the trailer that is expected to be towed

4. Now, activate each function indicated by the four LED lights across the front of the test unit. Once it has been determined that all lighting connections are working properly, test the output of the vehicle's trailer brake control

> NOTE:
> Be sure the brake control has been properly leveled per manufacturer's instructions.

5. Depress the vehicle's brake pedal and/or engage the brake control's manual override

   Brake Voltage must register at least 10 Volts. Brake Control Current Output should register at least:
   12 Amps for two (2) axle trailers, or 18 Amps for three (3) axle trailers

> NOTE: If the brake control will not generate 18 or more amps when used with three or more axle trailers BE SURE that you are using a brake control designed to deliver this performance.

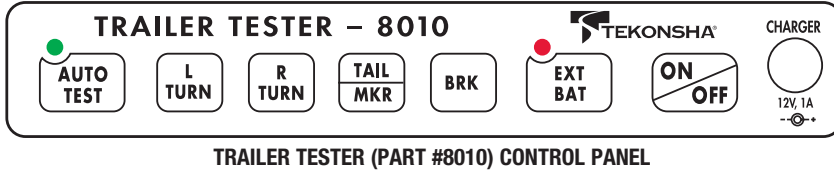If you discover a performance or wiring problem, look for one or more of the following fault conditions:

1. Improper wiring of the brake control to the vehicle's power and/or battery ground. (As with any electronic device, Horizon Global™ Electrical Products recommends grounding all brake controls directly to the vehicle battery to ensure the proper performance of the control's advanced circuitry)

2. Defective or improper wiring of the trailer connector

3. Broken, dirty or corroded trailer connector pins

4. Open brake magnets, or open, broken or shorted wiring
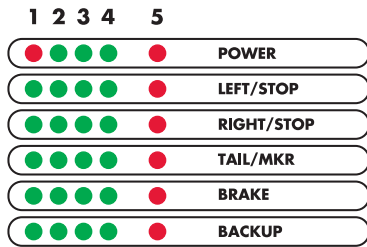
5. Defective brake control

⚠ **WARNING** This unit contains magnets, which may become hot if the unit is left connected to an energized brake control for more than a few minutes

SB0029 REV 5.0

Technical information is current as of the printing of this catalog. Contact technical service for periodic updates.

TRAILER TESTER INSTRUCTIONS

TRAILER TESTER (PART #8010) CONTROL PANEL

The Trailer Tester (Part #8010) is designed to help you quickly identify problems in the wiring of the trailer such as opens, shorts, incorrect wiring, etc. This is done by testing the Left Turn, Right Turn, Tail/Marker, Brake and Back Up circuits on the trailer, by indicating the approximate amount of current used in each circuit. It will also test the voltage of the external battery connected to the trailer charge circuit (i.e. trailer battery).

NOTE: The above LED light reference numbers are used in the following instructions for all rows.

READ THIS FIRST:

Read and follow all trailer warnings and installation instructions before continuing.

1. Check to see that the mating surfaces of the trailer wiring connector matches the Trailer Tester connector. All connector surfaces should be clean and free of dirt. For proper operation, make sure the trailer tester battery is fully charged. Plug the trailer connector firmly into the Trailer Tester. Be sure that the connector is fully inserted

2. Turn the tester ON by pressing the ON button. All LEDs will cycle in order from top to bottom and left to right and will flash once. The tester is ready for use

3. INDICATOR "LED" LIGHTS – POWER ROW ONLY (Measuring the internal battery of the tester – LED will remain lit after power has been turned on)

   • Green LEDs 2, 3 and 4 mean that the internal battery is OK to perform tests
   • Red LED 1 flashing means that the internal battery needs to be charged (see "Charging the Internal Battery" instructions below) or may need to be replaced
   • Red LED 5 indicates that the battery is faulty or overcharged. Battery may need to be replaced

4. CHARGING THE INTERNAL BATTERY

   ⚠️ **CAUTION**

   ONLY USE THE CHARGER (part no. 8008) PROVIDED WITH THE 8010 TESTER

   • When the charger is plugged into the charger socket, Red LED 5 on the Power Row flashes if the unit is ON
   • If the unit is OFF, no LEDs will be lit, but the battery will still charge
   • The LED on the charger is RED while charging
   • The LED on the charger will turn GREEN when the battery is fully charged

NOTE: The trailer tester will not function while the internal battery is being charged.

5. MANUAL AND AUTO TEST – LEFT/STOP, RIGHT/STOP, TAIL, BRAKE, BACKUP CHANNELS

   AUTO TESTING (measuring the amount of load on each channel):

   • Press the AUTO TEST button. When pressed, its indicator Green LED begins to flash
   • Each channel will be tested from top to bottom
   • Red LED 5 will flash as its channel is tested
   • Green LED(s) will remain ON to indicate the amount of load. (See Step 6 for LED display load readouts)
   • See Step 7 for LED fault indication readouts. MANUAL TESTING (visual test of trailer lighting)
   • Depressing any manual button will cause that same channel to flash 11 times. This will allow you to walk around the trailer and confirm that lights are functioning properly
   • The Trailer Tester will automatically shut down after three minutes to conserve the battery
   • See Step 7 for LED fault indication readouts

NOTE: To CLEAR THE DISPLAY or TURN OFF AUTO TEST, simply press the auto test button. Then you are ready to test again.

6. HOW TO READ THE LED DISPLAY (for approximate load readouts)

   LEFT/STOP, RIGHT/STOP and BACKUP Load Readouts:
   • Green LED 1 represents .25 amps
   • Green LED 2 represents 2 amps
   • Green LED 3 represents 3 amps
   • Green LED 4 represents 4 amps

   TAIL Load Readout:
   • Green LED 1 represents .25 amps
   • Green LED 2 represents 4 amps
   • Green LED 3 represents 6 amps
   • Green LED 4 represents 8 amps

   BRAKE Load Readout:
   • Green LED 1 represents 1 axle
   • Green LED 2 represents 2 axles
   • Green LED 3 represents 3 axles
   • Green LED 4 represents 4 axles

NOTE: All current measurements are standard to RV.

7. FAULT INDICATION (See graph below)

   • Red LED(s) 5 flashing on the affected channel represents: INTERCHANNEL SHORT OR REVERSED WIRES
   • Red LED 5 solid on the affected channel represents: NO LOAD/OPEN CIRCUIT
   • Green LEDs 1-4 and Red LED 5 all solid on the affected channel represents: OVERLOAD
   • Green LEDs 1-4 and Red LED 5 flashing on the affected channel represents: SHORT CIRCUIT TO GROUND

8. EXTERNAL BATTERY (Measures the trailer battery's (if present) open circuit voltage)

   • Press the EXT BAT button. When pressed, its indicator Red LED will light
   • Voltage will be displayed by lit LEDs in the Power Row only
   • Green LED's 2 and 3 mean that the external battery has normal voltage
   • Red LED 1 flashing means that the external battery needs to be charged or may need replacement
   • Red LED 5 indicates that the battery is faulty or overcharged. Battery may need replacement

NOTE: This test will automatically stop after a few seconds and the red light will go out.

NOTE: This test does not indicate the amount of charge left in the trailer battery. (Excludes breakaway battery)

FAULT INDICATION GRAPH

DISPLAY 1 2 3 4 5	HOW TO READ THE FAULT ON AN AFFECTED CHANNEL
🟢🟢🟢🟢 ✦	INTER-CHANNEL SHORT BETWEEN THE FLASHING CHANNELS OR REVERSED WIRES
🟢🟢🟢🟢 🔴	NO LOAD OPEN CIRCUIT
🟢🟢🟢🟢 🔴	OVERLOAD
✦✦✦✦ ✦	SHORT CIRCUIT TO GROUND
✦🟢🟢○ ○	LOW BATTERY. CHARGE OR REPLACE (POWER ROW ONLY)

LEGEND	
🔴	CONSTANT ON
✦	RED LED FLASHING
○	RED LED OFF
🟢	GREEN LED ON
✦	GREEN LED FLASHING
○	GREEN LED IS OFF

P/N 8007   REV B

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TECHNICAL

Learn more about winches on our website.