



Brake Control Systems . . . . . G-2 thru G-7

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Wiring Adapters . . . . . G-8 thru G-9

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## BRAKE CONTROL SYSTEMS

### Proportional Brake Controls

Proportional based controls offer a smooth braking response to almost any stop. Through the use of a sensing device, the brake control determines the tow vehicle's rate of deceleration and

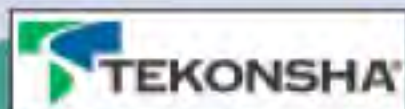
then applies the trailer brakes to match. Proportional controls deliver power to the trailer brakes in direct relationship to the actual physical deceleration of the tow vehicle.



### PRODIGY P2

This powerful control features new motion sensor technology similar to what is used in the aerospace industry. No manual level adjustment is necessary, it adjusts itself to varying terrains as you drive. It is equipped with a sensor that detects the tow vehicle's rate of deceleration, applies proportional braking to the trailer and features an exclusive "Boost" feature that gives users the ability to apply more initial trailer braking power (especially when towing heavier trailers). For backing into tough spots this is the only inertia control that works proportionally in reverse. A digital display depicts voltage delivery to the trailer during braking and displays continual diagnostics check for proper connection, shorted magnet condition, open ground and much more. A unique pocket mount allows for flexible mounting options (standard mounting bracket included). Prodigy includes a 3 ft. pigtail connector for ease of connection when using a vehicle's brake control wire harness. A quick and easy disconnect feature allows users to remove the control when not in use. The Prodigy P2 is designed for Electric and Hydraulic Brakes. Prodigy® meets National Highway Traffic Safety Administration (NHTSA) regulations regarding tow vehicle/trailer light activation.

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
90885	1 - 4	Digital	Yes	Lifetime



### PRODIGY RF

Ideal for rental businesses, fleet ownerships or multiple tow vehicles. Requires no leveling. Remote Hand Held Unit - No under dash wiring necessary - utilizes wireless communication. The original "Boost" feature allows for different levels of customized braking. System runs continual diagnostics and displays fault codes in hand held unit's display. Plugs into standard 12-volt power accessory adapter.

Trailer Mount (Power Module) Unit - Utilizes standard 7-way blade style connector with sealed 8' lead. Multiple mounting positions on tongue or front of trailer.

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
90250	1 - 4	Hand Held	Yes	See Note

Note: 15 year limited warranty on power module; 1 year limited warranty on cord; 5 year limited warranty on remote hand held unit.



### P3

Distinct, easy to see LCD display with multiple color and contrast options. Allows the user to switch between Electric and Hydraulic brakes. Highly advanced, easy-to-understand, roadside diagnostics with 5 storable settings. The original "Boost" feature allows for different levels of customized braking. Quick disconnect for easy storage; convenient storage pouch included. User can customize to choose English, French or Spanish display.

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
90195	1 - 4	LCD	Yes	Lifetime

90885



90250



90195



AXLES & COMPONENTS  
 SUSPENSIONS & COMPONENTS  
 BRAKES & COMPONENTS  
 TIRES & WHEELS  
 FENDERS & BODY  
 JACKS & COUPLERS  
**BRAKE CONTROL SYSTEMS**  
 TOWING & ACCESSORIES  
 MARINE COMPONENTS  
 HARDWARE & ACCESSORIES  
 AGRICULTURAL COMPONENTS  
 PAINT & LUBRICANTS  
 LIGHTS & ELECTRICAL  
 PACKAGED PRODUCTS





## PRIMUS IQ

Utilizing the primary sensor technology from Prodigy®, the Primus® IQ now includes the original “Boost” feature that gives users the ability to apply more initial trailer braking when towing heavier trailers. It works proportionally in reverse for backing into tough spots and includes a snap-in dash mounting clip and removable electrical connector that allows the unit to be quickly stored when not in use. You will appreciate the digital readout depicting a secure electrical connection, amount of voltage delivery to the trailer brakes and diagnostic features incorporated in the LED display.

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
90160	1 - 3	Digital	Yes	Lifetime



## VOYAGER

The Voyager® incorporates Tekonsha’s patented braking sensor and is the best value you’ll find for smooth and secure trailer braking. It’s compact size and features, like a bicolored LED brake monitor (to assure a complete connection to trailer brakes and give an indication of relative braking power being applied) make the Voyager® extremely versatile. Voyager minimizes interference with tow vehicle electrical systems, uses a four wire plug hook up, has a broad setting range and is compatible with most any vehicle. The Voyager® has all the extra power you’ll need for trailers with 6 or 8 brake systems.

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
9030	1 - 4	LED	No	5 Year



## MOUNTING KITS FOR TEKONSHA BRAKE CONTROLLERS

PART #	DESCRIPTION
5280	Primus™, Envoy® and Pilot® Mounting Kit Bracket
5897	P3® Pouch
5904	P3® T-Slot Metal Bracket
6927	Primus™ Mounting Dash Clip
7685	Prodigy® Mounting Bracket Kit



## AGILITY

The Agility proportional Brake Control provides inertia activated accelerometer instantly activating brakes. Controller mirrors braking action of tow vehicle, greatly reducing stopping distance. Comes with 5-on-the-fly sensitivity adjustments. Plug in Simple connection reduces installation time to minutes and allows for quick removal.

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
47294	1 - 4	LED	No	Lifetime





- AXLES & COMPONENTS
- SUSPENSIONS & COMPONENTS
- BRAKES & COMPONENTS
- TIRES & WHEELS
- FENDERS & BODY
- JACKS & COUPLERS
- BRAKE CONTROL SYSTEMS**
- TOWING & ACCESSORIES
- MARINE COMPONENTS
- HARDWARE & ACCESSORIES
- AGRICULTURAL COMPONENTS
- PAINT & LUBRICANTS
- LIGHTS & ELECTRICAL
- PACKAGED PRODUCTS



## G2

Hayes G2 trailer brake controller with an audible signal alert for connection continuity. The manual emergency braking control lets you apply full power in emergency stopping situations. The three-axis accelerometer technology automatically levels and senses the rate of deceleration. (percent of power, voltage, and current). This advanced controller has a "power boost feature" which gives you the ability to apply more initial braking power when towing heavier trailers.



81792

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
81792	1 - 4	Digital	Yes	Lifetime



## GENESIS

Exclusive Quik-Connect feature. Automatically adjust to road conditions and changes in braking situations. Easy to read display. Manual Lever - provides manual braking and illuminates the trailer lights while braking. "Boost Feature" gives you the ability to apply more initial braking power when towing heavier trailers. For use with Electric and Electric-Over Hydraulic braking systems.



81790

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
81790	1 - 4	Digital	Yes	Lifetime



## ENDEAVOR

The Endeavor™ brake controller has the ability to sense deceleration of the tow vehicle, which provides premium braking. The Endeavor is equipped with a microprocessor allowing it to save all your settings. The smart controller which allows for several diagnostic tools to help you in your braking needs. Display reads current, percent of power, and voltage. For use with electric and electric over hydraulic braking systems.



81770

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
81770	1 - 4	Digital	No	Lifetime



## ENERGIZE XPC

New Quik-Connect feature. 100% solid state for dependable trailer braking. Compatible with other electronic systems (anti-lock brakes & cruise control) Automatically provides superior responsiveness to vehicle deceleration. Simple adjustment for leveling and gain setting. Automatic and manual brake application operates the trailer brake lights for added safety. Built-in short circuit protection from trailer brake wiring.



81745

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
81745	1 - 3	LED	No	5 Years



## TRIFLEX

Uses Triple-axis, motion-sensing accelerometer for highly responsive, smooth stops, third axis provides precise, dynamic brake power adjustment when going up or down an incline. Digital display shows power adjustments in 0.1 increments.



51140

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
51140	1 - 4	Digital	Yes	Lifetime





## REFLEX

Uses an advanced dual-axis accelerometer to sense when the vehicle slows down and responds with the right amount of trailer brake pressure to provide a smooth, seamless stop. Mounts in a variety of angles above or below the dash. Quick plug makes it easily moveable from one vehicle to another. Digital display provides brake force details and other diagnostic information.

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
51130	1 - 4	Digital	Yes	Lifetime



## ENERGIZE III

Energize III® all electronic brake controller features a patented sensing device that automatically monitors and measures tow vehicle deceleration and applies the trailer brakes in direct proportion. It reacts instantly to any change in brake pedal pressure and ensures controlled, smooth stops. Trailer and tow vehicle stoplights operate automatically when the manual lever or trailer brakes are applied. Designed for use on any 12-volt negative ground vehicles. Compatible with all electronic systems (ABS, cruise, etc.).

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
81741B	1 - 2	LED	No	5 Years

PART #	DESCRIPTION
81793	"Quick-Receiver" Mounting Sleeve - Fits all Hayes Controllers

## TIMER BASED CONTROLS

Powers the trailer brakes based on how you "set" the manual control. Timed brake controls are great choices for your basic economical light-duty towing needs. These time actuated controls have solid state electronics and can be mounted in any position - horizontal, vertical, even turned upside down. They are easier to operate - do not require "leveling" or involved set-up to operate properly.



## PILOT

The dark smoke lens is ideal for direct light applications, creating optimum visibility to read the large two-digit display. The flexible mounting options allow you to mount the pilot in any direction.

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
80550	1 - 4	Digital	Yes	Lifetime



## ENGAGE

This controller is equipped with a digital display allowing you to select adjustable voltage and power ramp up times. Mounts in any position. Illuminates trailer lights when using manual braking. Troubleshooting features.

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
81760	1 - 3	Digital	No	Lifetime

51130



81741B



81793



80550



81760







## SYNCRONIZER

The Synchronizer modulates and controls current from the battery to the trailer brakes. The longer the brake pedal is depressed the greater the current delivered to the trailer brakes until the preset brake power setting is reached. New Quik-Connect feature. Provides automatic and manual braking. Red LED indicator monitors controller performance and trailer wiring integrity. Built-in automatic current limiter protection from trailer brake wiring shorts.

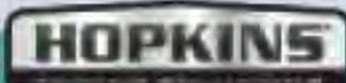
PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
81725	1 - 2	LED	No	3 Years



## IMPULSE

Fully digital settings- braking power from 5% to 99%. Plug-In Simple® connection, allows for quick removal. Ability to mount upside down with flip switch. Mounts at any angle. Short proof protected.

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
47235	1 - 3	Digital	No	Lifetime



## InSIGHT

The InSIGHT™ brake control with Flex-Mount™ versatility solves the problem of inconvenient mounting while increasing user safety and convenience. This is achieved by bringing the display within the driver's line of sight and the controls within easy reach...all with no tools required and Plug-In Simple!® installation.

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
47297	1 - 4	Digital	Yes	Lifetime



## BRAKE FORCE

LED indicator shows braking function, trailer connection, and short circuit notification. Easy to install, simple to use. Mounts at any angle. Plug-In Simple® connection, allows for quick removal. Short proof protected.

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
47225	1 - 3	LED	No	Lifetime



## RELIANCE

Fully digital settings- braking power from 5% to 99%. Easy +/- power buttons. Innovative vertical slide; ease of use. Mounts at any angle. Short proof protected.

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
47285	1 - 3	Digital	No	Lifetime



AXLES & COMPONENTS  
SUSPENSIONS & COMPONENTS  
BRAKES & COMPONENTS  
TIRES & WHEELS  
FENDERS & BODY  
JACKS & COUPLERS  
BRAKE CONTROL SYSTEMS  
TOWING & ACCESSORIES  
MARINE COMPONENTS  
HARDWARE & ACCESSORIES  
AGRICULTURAL COMPONENTS  
PAINT & LUBRICANTS  
LIGHTS & ELECTRICAL  
PACKAGED PRODUCTS





## DISCOVERY and VENTURER

Digital or LED display provides detailed brake force information. Mount anywhere in your vehicle. Dependable solid state electronics require no leveling. Fully adjustable power and ramp time. Provides automatic and manual trailer braking. Manual control activates brake lights.

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
51120	1 - 4	Digital	Yes	Lifetime
51110	1-3	LED	Yes	Lifetime



## ACTIVATOR

Slide adjustment output control. "Up-front" manual over-ride control.

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
5100	1 - 2	LE.	No	3 Year



## ACTIVATOR II

Thumb wheel output adjustment. "Up-front" manual over-ride control. Overload indicator.

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
5504	1 - 4	Digital	No	Lifetime



## ACTIVATOR III

Soft touch thumb wheels. "Up-front" manual over-ride control. Overload indicator. "Plug-N-Play" port. Front display allows viewing at almost any angle and mounts in any position.

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
5520	1 - 4	Digital	No	Lifetime



## HAYES AIR BRAKE CONTROL

The electric brakes on the trailer operate off the air brake system of the tow vehicle. When the brake pedal is depressed, the application of the electric trailer brakes is proportional to the vehicle's brake pedal pressure. Automatic or manual operation of the trailer electric brakes Red indicator light shows braking system intensity and proper function.

PART #	NO. AXLES	DISPLAY	AUTOMATIC LEVELING	WARRANTY
100400B	1 - 3	LED	No	1 Year





# BRAKE CONTROL SYSTEMS



## BRAKE CONTROL WIRING ADAPTERS

Simplify your brake control installation with these O.E.M. wiring harnesses. Designed to fit a vehicle's factory tow package option and into the back of specific brake controls.

TEKONSHA PART #	HAYES PART #	YEARS	DESCRIPTION
<b>BUICK</b>			
3026	n/a	08-15	Enclave w/Factory 7-Way
<b>CADILLAC</b>			
3025	81781-HBC	02	Escalade
3015-TE	81780-HBC	03-06	Escalade
<b>CHEVROLET</b>			
3025	81781-HBC	02	Avalanche
3015-TE	81780-HBC	03-06	Avalanche
3025	81781-HBC	99-02	Silverado/Sierra Pickup
3015-TE	81780-HBC	03-06	Silverado/Sierra Pickup
3016	n/a	14-15	Silverado/Sierra
3015-TE	81780-HBC	07	Silverado/Sierra Pickup Classic Only
3025	81781-HBC	00-02	Suburban, Tahoe, Yukon New Body w/ Amber Turn Signal
3015-TE	81780-HBC	03-06	Suburban, Tahoe, Yukon
3026	n/a	09-15	Traverse w/Factory 7-Way
3025	81781-HBC	01-02	Yukon Denali XL & New Body w/ Amber Turn Signal
<b>CHRYSLER/DODGE/JEEP</b>			
3021	81782-HBC	10-12	Pickup, Ram, Full Size 1500, 2500, 3500, All Models
3020	81782-HBC	97-11	Dakota Pickup w/Factory Tow Package
3020	81782-HBC	98-09	Durango w/Factory Tow Package
3020	81782-HBC	95-09	Pickup, Ram, Full Size 1500, 2500, 3500, All Models
3045	n/a	11-14	Durango w/Factory Tow Package
3025	81781-HBC	13-14	RAM
3014	n/a	14-15	Jeep Cherokee
3045	n/a	11-14	Durango
<b>FORD</b>			
3035	81783-HBC	94-96	Bronco Full Size
3035	81783-HBC	92-08	Econoline Van Full Size
3034	81788-HBC	09-13	Econoline Van Full Size
3035	81783-HBC	00-05	Excursion
3035	81783-HBC	97-12	Expedition
3035	81783-HBC	02-15	Explorer w/Factory Tow Package
3035	81783-HBC	94-96	F-150, F-250, F-350
3035	81783-HBC	97-04	F-150, Including Heritage Old Body Style
3035	81783-HBC	04-08	F-150
3036	81794-HBC	09-15	F-150 New Body Style
3035	81783-HBC	97	F-250-F-350 Heavy Duty
3035	81783-HBC	97-99	F-250 Light Duty
3035	81783-HBC	99-04	F-250, F-350, F-450, F-550 Super Duty
3065	81784-HBC	05-07	F-250, F-350, F-450, F-550 Super Duty
3034	81788-HBC	08-15	F-250, F-350, F-450, F-550 Super Duty
3035	81783-HBC	09-11	Flex w/Factory Tow Package
3035	81783-HBC	95-03	Windstar w/Factory Tow Package
<b>HONDA</b>			
3070	81787-HBC	06-15	Honda Ridgeline w/Factory Tow Package
3070	81787-HBC	09-15	Honda Pilot w/Factory Tow Package
<b>HUMMER</b>			
3015 TE	81780-HBC	03-07	H2
3015-TE	81780-HBC	05-07	H2 SUT
<b>INFINITI</b>			
3050	81786-HBC	04-13	QX56



3015-TE



3020



3025



3026



3034



3035

- AXLES & COMPONENTS
- SUSPENSIONS & COMPONENTS
- BRAKES & COMPONENTS
- TIRES & WHEELS
- FENDERS & BODY
- JACKS & COUPLERS
- BRAKE CONTROL SYSTEMS**
- TOWING & ACCESSORIES
- MARINE COMPONENTS
- HARDWARE & ACCESSORIES
- AGRICULTURAL COMPONENTS
- PAINT & LUBRICANTS
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## BRAKE CONTROL WIRING ADAPTERS *Continued* . . .

TEKONSHA PART #	HAYES PART #	YEARS	DESCRIPTION
<b>KIA</b>			
3032	n/a	09-11	Borrego
<b>LAND ROVER</b>			
3035	81783-HBC	05-13	Range Rover Including Sport & LR3
3035	81783-HBC		Evoque
3035	81783-HBC	10-15	LR4
<b>LEXUS</b>			
3040	81785-HBC	03-09	GX470
3040	81785-HBC	03-07	LX470
3040	81785-HBC	08-15	LX570
3040	817585-HBC	10-15	6X460
<b>LINCOLN</b>			
3035	81783-HBC	06-08	Mark LT
3035	81783-HBC	10-11	MKT w/Factory Tow Package
3035	81783-HBC	98-11	Navigator
3035	81783-HBC	03-05	Aviator w/FTP
3036	n/a	12-15	MKT w/FTP
3034	n/a	13-15	Navigator
<b>MERCURY</b>			
3035	81783-HBC	02-10	Mountaineer w/Factory Tow Package
<b>NISSAN</b>			
3050	81786-HBC	04-13	Armada & Titan Pickup
3050	81786-HBC	05-13	Frontier Pickup & Pathfinder
<b>SATURN</b>			
3026	n/a	07-09	Outlook w/Factory 7-Way
<b>TOYOTA</b>			
3040	81785-HBC	03-13	4Runner
3040	81785-HBC	03-12	Land Cruiser, Sequoia, & Tundra
3040	81785-HBC	07-13	Tacoma Pickup
3017	na	15	Toyota Tundra



## BREAK-AWAY SYSTEMS

For use on 1, 2, 3 and 4 axle trailers equipped with electric brakes. These complete 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.



### Shur-Set III Breakaway Systems

KIT PART #	DESCRIPTION	W/ CHARGER	SWITCH	BOX
1026	Post Mount Battery Box	No	2005-P	2018
1028	Post Mount Battery Box	Yes	2005-P	2018
2026	Post Mount Battery Box	No	2010	2018
2028	Post Mount Battery Box	Yes	2010	2018
20005	All Polymer Lockable	No	2010	2051
20010	Lockable	No	2010	20000
20015	All Polymer Lockable	Yes	2010	2051
20020	Lockable	Yes	2010	20000



- AXLES & COMPONENTS
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## Jammy Inc.

PART #	DESCRIPTION	W/ CHARGER	SWITCH
J-TMK	Jack Mount Style	No	J-ELEC
J-BBK	Plate Mounted	No	J-ELEC
J-BREK	Clamshell Style w/LED	Yes	J-ELEC
J-FJK	Flange Mount	Yes	J-ELEC
J-FJKL	Flange Mount w/LED	Yes	J-ELEC



## TEKONSHA

PART #	DESCRIPTION	W/ CHARGER	SWITCH
50-85-312	Side Mount w/ABCD Charger	Yes	2010
50-85-313	LED Test Meter, Multi-Stage Charger	Yes	2010



## Hoppy

PART #	DESCRIPTION	WITH CHARGER	SWITCH	BOX
TAP946	Breakaway Kit, 12V w/Switch	No	TAP948	20006
TAP947	Breakaway Kit, 12V w/Switch & Charger	Yes	TAP948	20006
TAP953	Breakaway Kit, 12V w/Switch, No Mnt'g Hdwr.	No	TAP948	20006
20100	Engager SM w/LED Meter Side Mnt.	Yes	TAP948	20121
20103	Engager SM w/out LED Side Mnt.	No	TAP948	20120
20104	Engager SM w/out LED Side Mnt.	Yes	TAP948	20120
20400	Engager FT w/LED Flip Top	Yes	TAP948	20406*



Note: \* Replacement LED Flip Top Lid Only (Not complete box)

## REPLACEMENT PARTS

PART #	DESCRIPTION
20059 or 20060	Hopkins LED Breakaway Switch
2009	Tekonsha Metal Breakaway Switch
2009A	Tekonsha Replacement Pin & Cable For 2009
2005-A	Tekonsha Replacement Pin & Cable For 1026 & 1028
2010-A	Tekonsha Replacement Pin & Cable For Shur-Set III
2010	Breakaway Switch w/Cable & Pin
TAP952	Hopkins Replacement Pin & Cable
2023	Replacement 12v 5 Amp Battery
1024	Charger, 12v, ABCD
2024	Trickle Charger, 12v w/Quick Charge
80-00-2040	Fastway Brake-away Cable & Switch, 4'
80-00-2060	Fastway Brake-away Cable & Switch, 6'
80-01-2140	Fastway Brake-away Cable, 4'
80-01-2160	Fastway Brake-away Cable, 6'
BW1250	Battery 12v, 12 Amp, Sealed
50-85-315	Pro series, LED Test Meter, ABCD Charge





## ELECTRIC/HYDRAULIC ACTUATORS



### BrakeRite EHB

The most rapid response from brake actuation to total dynamic braking in the industry. Hybrid electronic control board compatible with most in-cab electronic brake controllers. On-going in plant performance testing and each production unit is bench tested. Isolated fluid reservoir with diaphragm type valve filler cap.

PART #	BRAKE TYPE	MAX P.S.I.	VOLUME PER MINUTE	MAX # OF AXLES
4822500	Drum	1,000	78 Cubic Inches	4
4813100	Disc	1,500	78 Cubic Inches	4
4813102*	Disc	1,500	78 Cubic Inches	3
4813102A**	Disc	1,500	78 Cubic Inches	3
4846000	Adapter Module for 2006			

\* Plug and Play.

\*\* Plug and Play. Australian 12-Plug.



4813100



### BrakeRite II

Designed for severe duty applications using external control modules for specific applications. Control modules have plug-in weather sealed connectors. Utilizes the standard proven EHB electronic control board, potted and enclosed in a remote mounted control module. Provides complete Plug-In wiring harnesses to simplify field installation.

PART #	BRAKE TYPE	MAX P.S.I.	VOLUME PER MINUTE	MAX # OF AXLES
4835700	Drum	1,000	78 Cubic Inches	4
4844100	Disc	1,500	78 Cubic Inches	4



4835700

## HYDRAULIC BRAKE ACTUATORS



Heavy Duty, Stamped Steel Housing, fits 3" Channel. Brake lockout lever prevents brakes from being applied while backing up. Disc brake units compatible with Kodiak and Reliable disc brake systems. Built-in breakaway device. 6,000 lb Capacity Max G.V.W.R., 900 lb Tongue Load, 2" Ball Coupler.

PART #	TYPE	MOUNTING	FINISH	MASTER CYLINDER
82543	Drum	Bolt Or Weld On	Painted	85841
84132	Drum	Bolt Or Weld On	Zinc	85841



82543



8,000 lb Capacity Max G.V.W.R., 1000 lb Tongue Load, 2" Ball Coupler.

PART #	TYPE	MOUNTING	FINISH	MASTER CYLINDER
83000	Drum	Weld On Only	Painted	85841
83005	Drum	Bolt Or Weld On	Zinc	85841
83010	Disc	Bolt Or Weld On	Painted	85841



83005



AXLES & COMPONENTS

SUSPENSIONS & COMPONENTS

BRAKES & COMPONENTS

TIRES & WHEELS

FENDERS & BODY

JACKS & COUPLERS

**BRAKE CONTROL SYSTEMS**

TOWING & ACCESSORIES

MARINE COMPONENTS

HARDWARE & ACCESSORIES

AGRICULTURAL COMPONENTS

PAINT & LUBRICANTS

LIGHTS & ELECTRICAL

PACKAGED PRODUCTS

## HYDRAULIC BRAKE ACTUATORS



### MODEL 60 ACTUATOR

7,000 lb Capacity Max G.V.W.R., 900 lb Tongue Load. Fits 3" Channel. Bolts or Weld on. Zinc finish.

#### Leverlock Coupler With 2" Ball

PART #	TYPE	MOUNTING	MASTER CYLINDER ASSY.	COUPLER REPAIR KIT
43329007K	Drum	Bolt Or Weld On	43951	43584
47154007K	Disc	Bolt Or Weld On	4820000	43584
43329	Drum	Bolt Or Weld On	43951	43584

#### Multi-Fit 1 7/8", 50mm and 2" Ball

PART #	TYPE	MOUNTING	MASTER CYLINDER ASSY.	COUPLER REPAIR KIT
43397007K	Drum	Bolt Or Weld On	43951	40454
47457007K	Disc	Bolt Or Weld On	4820000	40454

### AERO 7500 ACTUATOR

7,500 lb Capacity Max G.V.W.R., 750 lb Tongue Load. Fits 3" Channel. Bolts or Weld on. Zinc finish.

#### Lockout Lever and 2" Ball

PART #	TYPE	MOUNTING	MASTER CYLINDER ASSY.	COUPLER REPAIR KIT
AERO-6000-P	Drum	Bolt-On	43951	n/a
AERO-6000-D	Disc	Bolt-On	4820000	n/a

#### Swing Away with 2" Ball

PART #	TYPE	MOUNTING	MASTER CYLINDER ASSY.	COUPLER REPAIR KIT
4839000	Drum	Bolt-On	43951	n/a
4839100	Disc	Bolt-On	4820000	n/a

### MODEL 6 ACTUATOR

2 5/16" Ball Coupler  
8,000 pound capacity, Max. G.V.W.R., 800 pound tongue load. Fits 3" channel, Zinc finish.

PART #	TYPE	MOUNTING	MASTER CYLINDER ASSY.	COUPLER REPAIR KIT
40792	Drum	Bolt-On	10271	18487
47472	Disc	Bolt-On	47470	18487





## HYDRAULIC BRAKE ACTUATORS (Continued)



*A-Frame (50°) Actuator with 2 5/16" Ball Coupler.  
7,500 pound capacity, Max. G.V.W.R., 750 pound tongue load,  
Zinc finish.*

PART #	TYPE	MOUNTING	MASTER CYLINDER ASSY.	COUPLER REPAIR KIT
40676	Drum	Weld-On	10271	18487



*Model 6 Actuator with Multi-fit Ball Coupler (1-7/8", 50mm, 2")  
6,000 pound capacity, Max. G.V.W.R., 750 pound tongue load,  
Zinc finish.*

PART #	TYPE	MOUNTING	MASTER CYLINDER ASSY.	COUPLER REPAIR KIT
24800	Drum	Bolt-On	10271	40454
47479	Disc	Bolt-On	47470	40454



*Model 6 A-Frame (50°) Actuator with Multi-fit (1-7/8", 50mm, 2")  
6,000 pound capacity, Max. G.V.W.R., 750 pound tongue load, Zinc  
finish.*

PART #	TYPE	MOUNTING	MASTER CYLINDER ASSY.	COUPLER REPAIR KIT
24928	Drum	Weld-On	10271	40454



*Model 6 Straight Actuator with Lunette Eye  
8,000 pound capacity, Max. G.V.W.R., 800 pound tongue load.  
Fits 3" channel. Zinc finish.*

PART #	TYPE	MOUNTING	MASTER CYLINDER ASSY.	COUPLER REPAIR KIT
40932	Drum	Bolt-On	10271	n/a
47480-00	Disc	Bolt-On	47470	n/a



*Model 6 Actuator with Leveler Channel  
8,000 lb Capacity Max G.V.W.R., 800 lb Tongue Load. Fits 3" channel,  
Zinc finish.*

PART #	TYPE	MOUNTING	MASTER CYLINDER ASSY.	COUPLER REPAIR KIT
47449-01	Drum	Weld-On	10271	n/a



AXLES & COMPONENTS

SUSPENSIONS & COMPONENTS

BRAKES & COMPONENTS

TIRES & WHEELS

FENDERS & BODY

JACKS & COUPLERS

**BRAKE CONTROL SYSTEMS**

TOWING & ACCESSORIES

MARINE COMPONENTS

HARDWARE & ACCESSORIES

AGRICULTURAL COMPONENTS

PAINT & LUBRICANTS

LIGHTS & ELECTRICAL

PACKAGED PRODUCTS



## HYDRAULIC BRAKE ACTUATORS (Continued)



### MODEL 10 ACTUATOR

12,500 lb Capacity Max G.V.W.R., 1,250 lb Tongue Load.

#### Straight with 2-5/16" Ball Coupler

PART #	TYPE	FINISH	MOUNTING	MASTER CYLINDER ASSY.	COUPLER REPAIR KIT
16075	Drum	Primed	Weld-On	23744	18487
47496-00	Disc	Primed	Weld-On	47495-01042	18487
24776	Drum	Zinc	Bolt-On Channel	23744	18487
4750800	Disc	Zinc	Bolt-On Channel	47495-01042	18487



#### Drop with 2 5/16" Ball Coupler

PART #	TYPE	FINISH	MOUNTING	MASTER CYLINDER ASSY.	COUPLER REPAIR KIT
24781	Drum	Zinc	Bolt-On Channel	23744	18487
47506	Disc	Zinc	Bolt-On Channel	47495-01042	18487
4750620	Disc	Zinc	Bolt-On Channel	47495-01042	18487
17352	Drum	Primed	Weld-On	23744	18487



#### Straight with Lunette Eye

PART #	TYPE	FINISH	MOUNTING	MASTER CYLINDER ASSY.	COUPLER REPAIR KIT
16077-00	Drum	Primed	Weld-On	23744	n/a

#### With Leveler Channel

PART #	TYPE	FINISH	MOUNTING	ATTACHMENT	MASTER CYLINDER ASSY.
24046	Drum	Primed	Weld-On	Channel Only	23744
18909	Drum	Primed	Weld-On	Adj. Coupler	23744
18911	Drum	Primed	Weld-On	Adj. Eye	23744



AXLES & COMPONENTS

SUSPENSIONS & COMPONENTS

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**BRAKE CONTROL SYSTEMS**

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HARDWARE & ACCESSORIES

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## HYDRAULIC BRAKE ACTUATORS (Continued)



### MODEL 20 ACTUATOR

20,000 pound capacity, G.V.W.R., 2,000 pound tongue load

#### Straight with 2 5/16" Ball Coupler

PART #	TYPE	FINISH	MOUNTING	MASTER CYLINDER ASSY.	COUPLER REPAIR KIT
15210	Drum	Primed	Weld-On	23744	18487

15210



AXLES & COMPONENTS

SUSPENSIONS & COMPONENTS

BRAKES & COMPONENTS

TIRES & WHEELS

FENDERS & BODY

JACKS & COUPLERS

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#### Drop with 2 5/16" Coupler

PART #	TYPE	FINISH	MOUNTING	MASTER CYLINDER ASSY.	COUPLER REPAIR KIT
17351	Drum	Primed	Weld-On	23744	18487
40427-ASSM	Drum	Zinc	Bolt-On Channel	23744	18487
47507	Disc	Zinc	Bolt-On Channel	47495-01042	18487
4750720	Disc	Zinc	Bolt-On Channel	47495-01042	18487

40427-ASSM



#### With Leveler Channel

PART #	TYPE	FINISH	MOUNTING	ATTACHMENT	MASTER CYLINDER ASSY.
18991	Drum	Primed	Weld-On	Channel Only	23744
17778	Drum	Primed	Weld-On	Lunette Eye	23744
18898*	Drum	Primed	Weld-On	Adj. Coupler	23744

18991 W/ 18820, 18078 and 16137



Note: \* 14,000 pound capacity, G.V.W.R., 1,400 pound tongue load

#### Straight with Lunette Eye

PART #	TYPE	FINISH	MOUNTING	MASTER CYLINDER ASSY.	COUPLER REPAIR KIT
12974	Drum	Primed	Weld-On	23744	n/a

12974



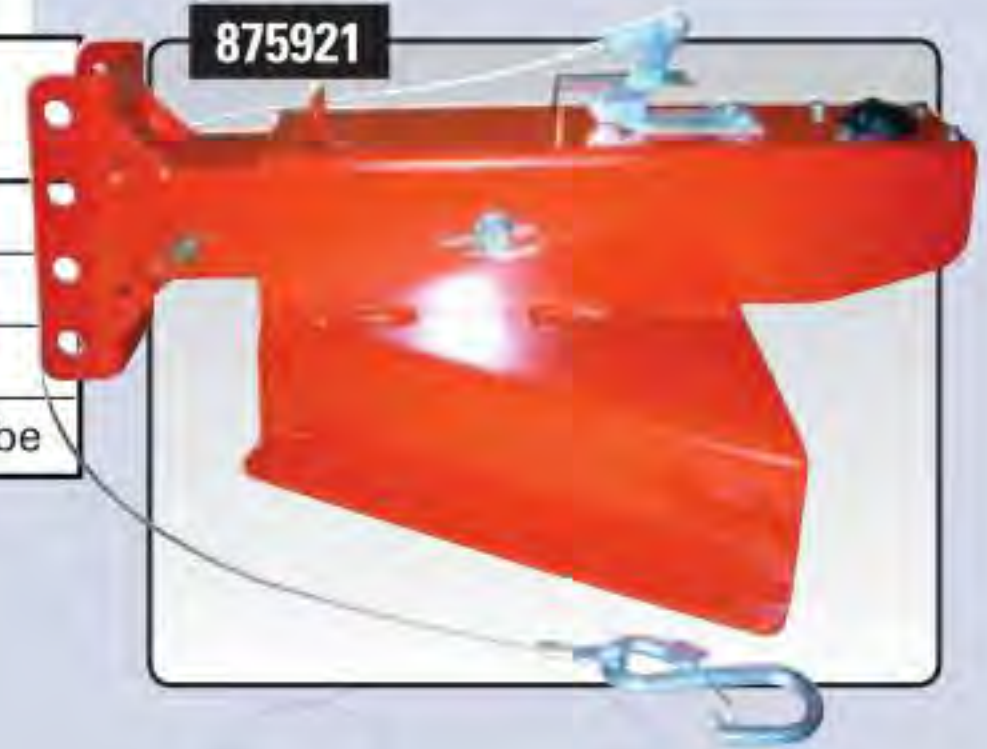




## Demco Actuators

PART #		TUBE	CAP LBS	DESCRIPTION
DRUM	DISC			
8605001	8605101	Bolt-On	6.0K	2" Coupler
8759121	n/a	2.5/16"	8.0K	4 Hole Adj. Channel
8608601	8608611	Bolt-On	8.6K	2" EZ-Latch Coupler
8102511	n/a	Drop	12.5K	2-5/16" EZ-Latch Coupler, Drop Tube

Replacement master cylinder for all models: 5650 (drum) and 5672 (disc).



## Balcrank Brake Actuators

PART #	STYLE	CAPACITY	APPLICATION
16006	A-frame	5,000 lbs.	Fits 2" ball
16039	A-frame	6,000 lbs.	Fits 2-5/16" ball
16015	Channel, 3"	5,000 lbs.	Fits 2" ball
16062	Channel, 3"	6,000 lbs.	Fits 2-5/16" ball



## Titan Brake Actuator Replacement Parts

PART #	DESCRIPTION
12426	Shock Absorber For Model 6 & 10
23362	Shock Absorber For Model 60
7784	Shock Absorber For Model 20
23361	Master Cylinder For Model 60 & Aero-6000-P
10271	Master Cylinder For Model 6,
43951	Master Cylinder Assembly For Model 60, w/ Cover, Gasket, & Cap
23744	Master Cylinder For Model 10 And 20, Drum Brakes Only
47471-00	Master Cylinder For Model 10 And 20, Disc Brakes Only
12503	Cap For Model 10 & 20 Master Cylinder
23388	Cap For Model 60 Master Cylinder
17556	Cap For Model 6 Master Cylinder
43358	Repair Kit, 2" Ball Latch, Model 6 & 60
43584	Repair Kit, Lever Lock, Model 6 & 60
40454	Repair Kit, Multi-Fit, Model 6 & 60
8288	Front Roller Bolt, .625" NC x 4.375" x .5" For Model 10 & 20
8294	Rear Roller Bolt, .625" NF x 5" For Model 10 & 20
8289	Front Cover For Model 20 Actuator
8291	Rear Roller For Model 6
8297	Spacer For Model 20
8388	Cylinder Bracket For Model 10, 12, & 20 Actuators, RH
8389	Cylinder Bracket For Model 10, 12, & 20 Actuators, LH

233361



40454

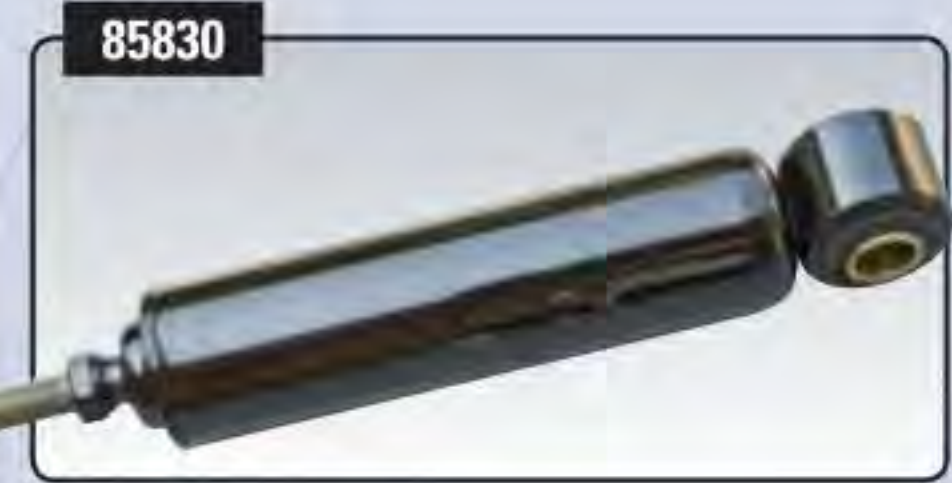






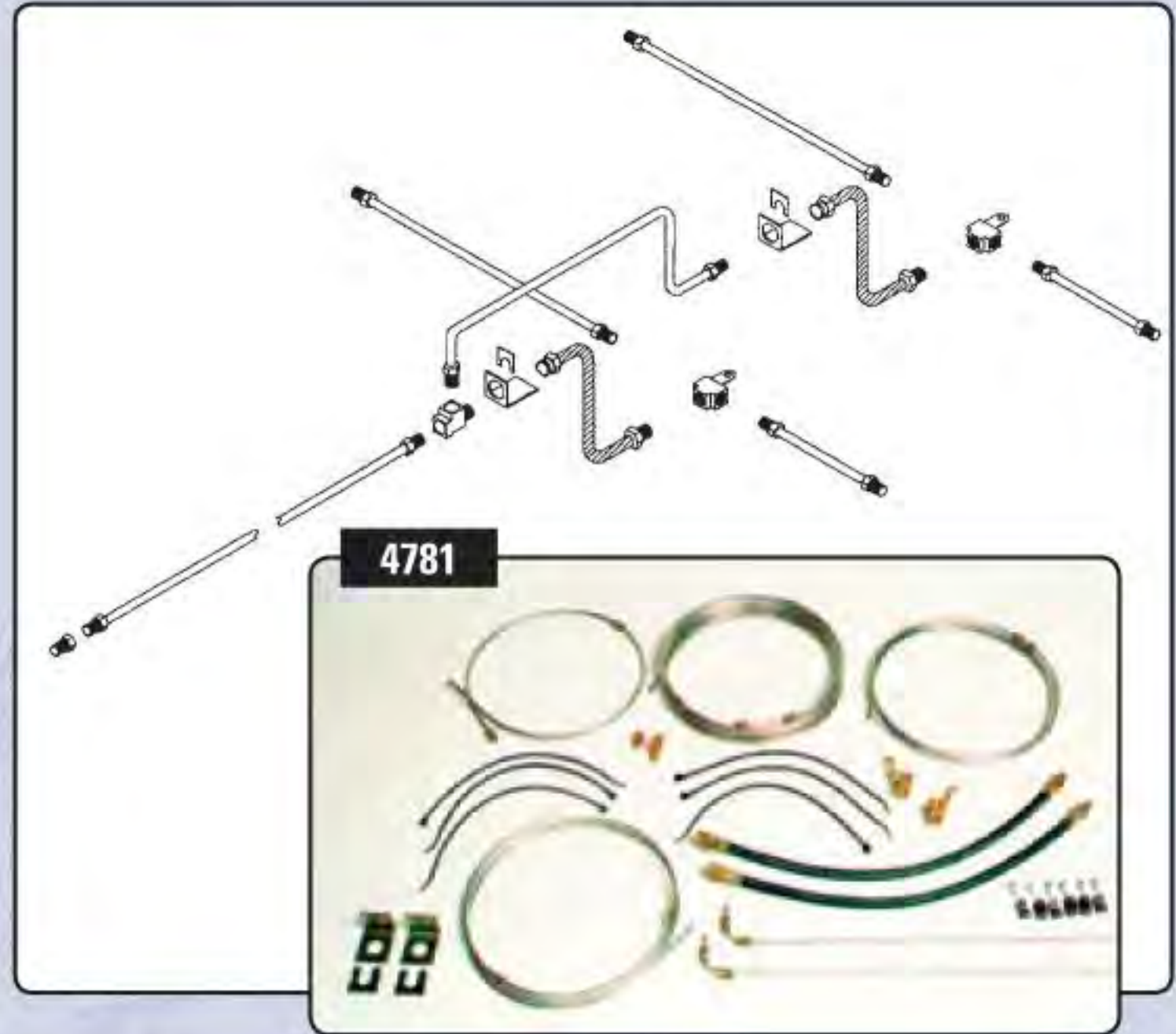
## Atwood Brake Actuator Replacement Parts

PART #	DESCRIPTION
16196	Hose
85830	Shock
85841	Master Cylinder
85852	Push Rod
87478	Master Cylinder Cap Kit



## Balcrank Brake Actuator Replacement Parts

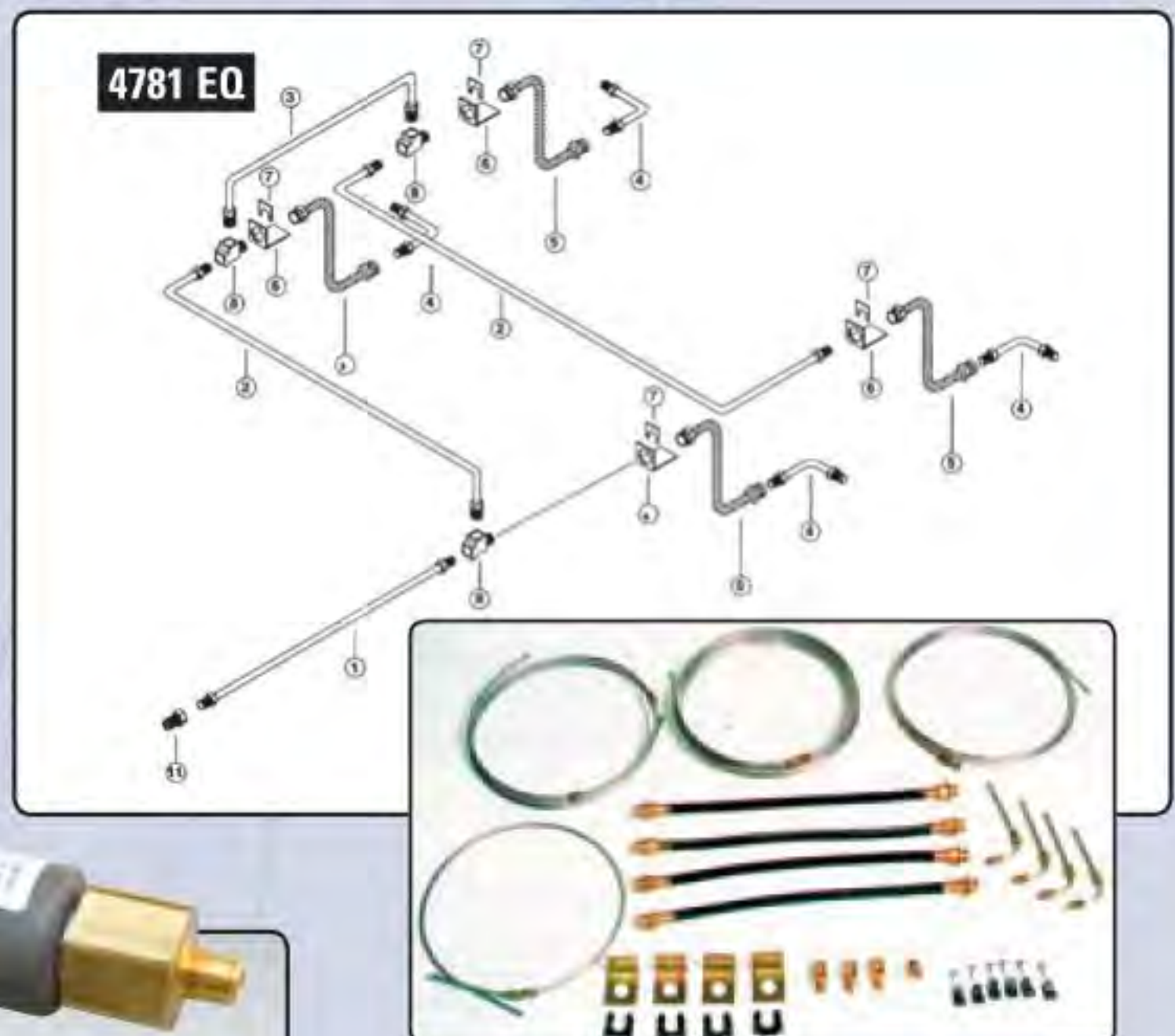
PART #	DESCRIPTION
10614	Master Cylinder Kit
1844-2	Shock Absorber
16500	Replacement Cap
1753	Self-locking Nut, .5" - 20
1829	Pivot Shaft
1808-1	Pivot Shaft Link
1745	Nylon Bearing



## Surge Brake Line Kits

PART #	APPLICATION
4780	Single Axle
4780-EQ	Single Axle, Equalizer
4780-A	Single Axle, Atwood
4780-A20	Single Axle, Atwood 20' Length
4780-SS	Single Axle, Stainless Steel
4781	Tandem Axle
4781-EQ	Tandem Axle, Equalizer
4781-A	Tandem Axle, Atwood
4781-A20	Tandem Axle, Atwood 20' Length
4781-SS	Tandem Axle, Stainless Steel
T-1002-D	Tandem Axle, Blue Dot
T-130	Third Axle Add-On Kit

Line lock out solenoids are used on disc brake systems. They keep surge actuator brakes from activating when the tow vehicle is in reverse.



## Line Lock Out Solenoids

PART #	DESCRIPTION
DBL-LOCK/NO	Normally Open







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