



Carlisle Hydrastar Electric-Hydraulic Brake Actuators

HYDRASTAR FEATURES:

- 12V DC powered electric-hydraulic pump-style actuator for electronically controlled hydraulic brakes
- Tow vehicle must be equipped with an industry standard electronic brake controller. (Now compatible with Prodigy Controls.)
- “Unloading Piston” feature instantly releases hydraulic pressure upon stop of brake signal, eliminates pump-style actuator “brake drag”.
- Completely sealed unit, approved for marine/submersible applications
- Actuator designed for single or tandem axle applications
- Compact design, measures 3.25”W x 5.75”H x 17.5”L
- For use with industry standard 5 amp Breakaway Kit
- 2-Year Warranty



HBA-CAM CONTROLLER ADAPTER MODULE:

- Makes the old style HydraStar® compatible with Ford's OE Tow Command controller (2007 only)
- Also makes the Tekonsha Prodigy & Sentinel compatible with the old style HydraStar®
- Easy to install, simply splice in four wires & mount the module where convenient.

PART NO.	REF. NO.	DESCRIPTION
HBA-CAM	247635	HYDRASTAR CONTROL ADAPTER MODULE
HBA-10	247636	HYDRASTAR 1000 PSI UNIT
CAR-HBA10-2A	247638	HYDRASTAR 1000 PSI DRUM TDM W/9505 LINE KIT & BRKY
CAR-HBA10-2	247640	HYDRASTAR 1000 PSI DRUM TDM W/DELX LINE KIT & BRKY
HBA-16	247645	HYDRASTAR 1600 PSI UNIT
CAR-HBA16-2	247647	HYDRASTAR 1600 PSI DISC TDM W/DELX LINE KIT & BRKY
CAR-HBA16-2HD	247650	HYDRASTAR 1600PSI DISC TDM W/10-12K LINE KIT & BRKY
HBA-BC	247634	REP'L FILLER CAP, HBA-SERIES HYDRASTAR

Carlisle Hydrastar XL Electric-Hydraulic Brake Actuator

HYDRASTAR XL FEATURES:

The Carlisle Hydrastar XL uses an on-board microprocessor and accelerometer to sense the amount of braking effort being generated by the tow vehicle. The Hydrastar XL does not require a hard-wired in cab electronic brake controller. The hand held actuator plugs into the cigarette lighter, using the vehicle's original wiring to transmit signals to the actuator. The Hydrastar XL is great for any situation where multiple tow vehicles may be used to pull a single trailer, especially rental units.

- No hard-wired brake controller necessary.
- 17 Amp/Hour break-away battery kit required
- No special wiring needed.
- Great for rental units or where using multiple tow vehicles on a single trailer.



Hydrastar XL with controller

PART NO.	REF. NO.	DESCRIPTION
HBAC10-CLR	247655	HYDRASTAR XL, 1000 PSI UNIT W/IN-CAB CONTROLLER
CAR-HXL10-2A	247657	HYDRASTAR XL 1000PSI KIT W/CNTRL, HYD LINE & BRKY
CAR-HXL10-2	247660	HYDRASTAR XL 1000PSI KIT W/CNTRL, DLX LINE KIT & BRKY
HBA-EBA	419450	17AMP BREAKAWAY KIT FOR HYDRASTAR XL/ELECTRASTAR

Electric/Hydraulic Brake Actuator



34-285

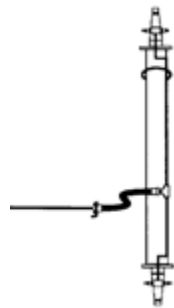


- Large Reservoir Capacity
- Solid State Electronics
- 2 Year Limited Warranty
- Requires a 4-wire hookup.
- Minimum 9 amp/hour Breakaway Kit
- Dimensions: 11" long, 6" wide, 7" high
- Compatible with most electronic brake controllers.

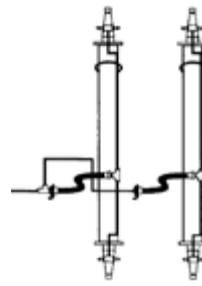
PART NO.	REF. NO.	DESCRIPTION
K71-650	247626	DX1000 DEXTER 1000PSI ACTUATOR (DRUM BRAKE APPLICATION)
K71-651	247631	DX1600 DEXTER 1600PSI ACTUATOR (DISC BRAKE APPLICATION)
9579-2	256580	DELUXE HYDRAULIC LINE KIT, TANDEM AXLE, ALL DRUM & 3.5K-8K DISC
34-285	419290	DEXTER 9AMP/HR BREAKAWAY KIT, USE W/K71-650 & K71-651

Hydraulic Line Kits

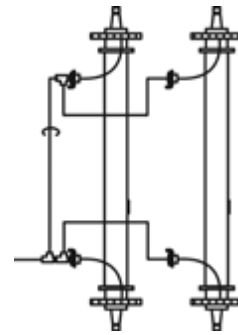
Hydraulic Line Kits come complete with all necessary lines, tee fittings, hoses, brackets and clips to properly plumb conventional hydraulic brake axles. Torsion axles require additional line kits, (80910 or 80910-T), or use 9579-2 Deluxe kit with limited access flex hoses included.



9504



9505



9579-2



PART NO.	REF. NO.	DESCRIPTION
9504	256500	HYD LINE KIT SINGLE AXLE, DRUM
9505	256525	HYD LINE KIT TANDEM AXLE, DRUM
80910	256550	HYD LINE KIT TF AXLE (1 WHL) USE W/ 9504 & 9505
80910-T	256575	HYD LINE KIT TF AXLE (1 WHL) W/LMTD ACCESS, USE W/ 9504 & 9505
9579-2	256580	HYD LINE KIT, TANDEM AXLE, DELUXE DRUM & 3.5K-8K DISC
9579-01	256585	HYD LINE KIT, 3RD AXLE, DELUXE DRUM & 3.5K - 8K DISC
3057089	259150	ADAPTER FITTING, ADAPTS 9579-2 TO FIT 10K - 12K DISC CALIPERS