



Installation Instructions

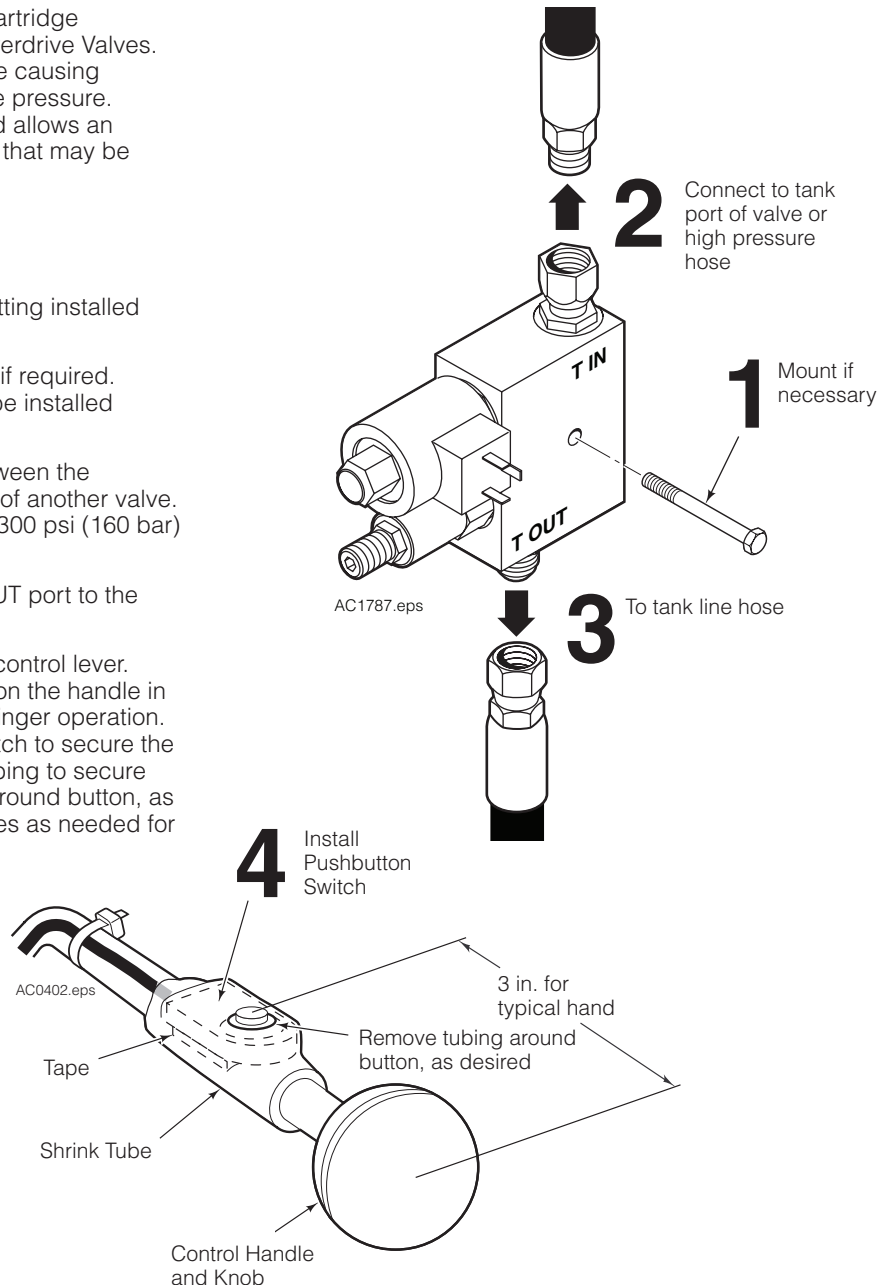
**Arm Overdrive Kits
6097259, 6097290,
6097293, 6097294**

This sheet provides installation instructions, cartridge adjustment and parts list for Cascade Arm Overdrive Valves. When energized, the valve blocks the tank line causing the start pressure to increase to a preset valve pressure. This valve aids with increasing arm speed and allows an attachment to have higher clamping pressure that may be needed when breaking out rolls.

INSTALLATION

NOTE: The truck must have a return-to-tank fitting installed prior to valve installation.

- 1 Determine a location and mount the valve, if required. Some applications may allow the valve to be installed directly to another valve's tank line fitting.
- 2 If needed, install a high pressure hose between the overdrive valve T IN port and the tank port of another valve. The high pressure hose must be rated at 2300 psi (160 bar) working pressure.
- 3 Install a hose from the overdrive valve T OUT port to the truck tank line fitting.
- 4 Install the pushbutton switch to the clamp control lever. Remove the control knob. Position switch on the handle in a location for comfortable thumb or index finger operation. Place the double sided tape under the switch to secure the switch in place. Using a heat gun, heat tubing to secure the switch to the handle. Remove tubing around button, as desired. Reinstall the knob. Install cable ties as needed for the wires.



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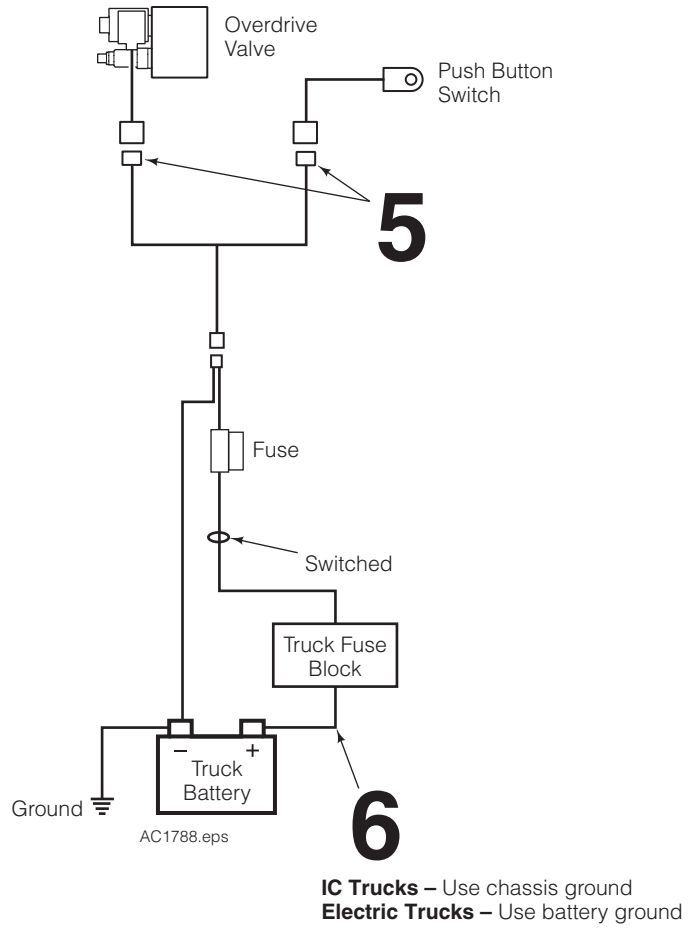
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Internet: www.cascorp.com
Write: Cascade Corporation, PO Box 20187, Portland, OR 97294

To Order Parts . . .

Call: 1-888-227-2233 Fax: 1-888-329-0234
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CAUTION: Consult the Lift Truck OEM for proper + power source connection.

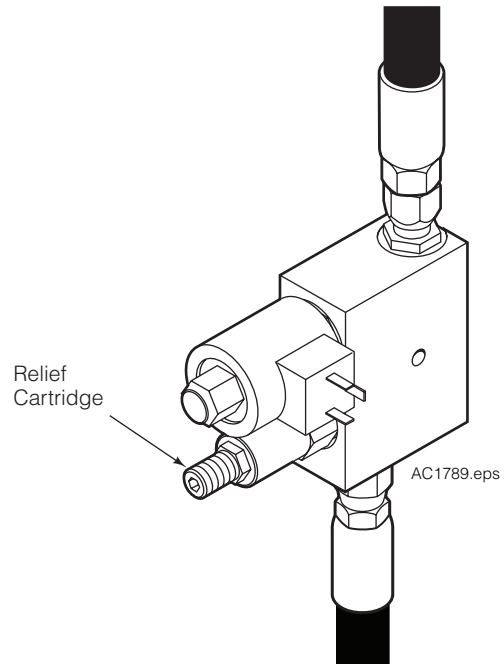
- 5 Disconnect the cable from the positive battery terminal. Install and route wire harness. Connect the cable ends. Connect the fused positive to a switched power source. Connect the ground wire.
- 6 Reconnect the positive battery cable to the battery.



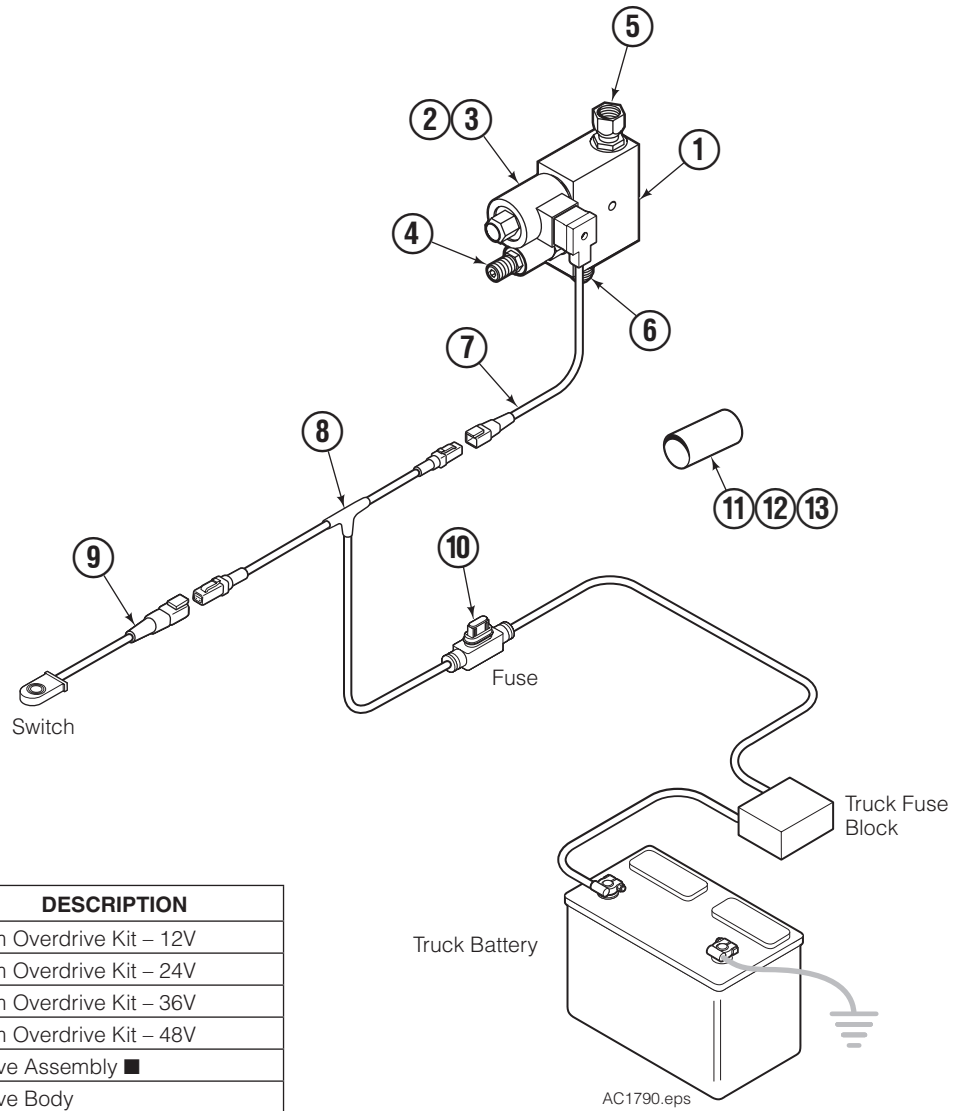
CARTRIDGE VALVE ADJUSTMENT

To set relief cartridge, install a pressure gauge in the attachment test port.

- 1 Loosen the jam nut on the relief cartridge. Adjust the relief cartridge inward (CW) to raise pressure or outward (CCW) to lower the pressure.
- 2 While clamping, energize and hold the pushbutton. Check gauge pressure. Readjust as required. Tighten jam nut.



Parts – Arm Overdrive Kits



REF	QTY	PART NO.	DESCRIPTION
		6097259	Arm Overdrive Kit – 12V
		6097290	Arm Overdrive Kit – 24V
		6097293	Arm Overdrive Kit – 36V
		6097294	Arm Overdrive Kit – 48V
		6097150	Valve Assembly ■
1	1	6097150	Valve Body
2	1	6014287	Coil – 12V
		6018032	Coil – 24V
		6018036	Coil – 36V
		6018038	Coil – 48V
3	1	6056977	Solenoid Cartridge
4	1	6097200	Relief Valve Cartridge
5	1	6043723	Fitting, 8-8
6	1	601377	Fitting, 8-8
7	1	6097235	Solenoid Connector
8	1	6097225	Wire Harness ●
9	1	6097238	Switch Assembly
10	1	221720	Fuse, ATC type 5 Amp
11	1	6001641	Shrink Tube, 1.0 in. diameter
12	1	6026933	Shrink Tube, 1.5 in. diameter
13	1	6026934	Shrink Tube, 2.0 in. diameter
◆	1	6014987	Adhesive Tape

- Includes item 1 and 3–6.
- Includes items 7 & 9.
- ◆ Not shown.

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