

Technical Bulletin

No-Sideshift Condition on G-Series Sliding Arm Clamps

A clamp line equalization orifice has been added to current production G-Series Sliding Arm Clamp valves to prevent trapped pressure in the CL supply lines from causing a no-sideshifting condition. The orifice is unblocked by removing an internal setscrew plug.

If sideshifting problems are encountered, it is recommended that the troubleshooting procedure summarized below be accomplished. (Ref. Service Manual 6033703.)

Sideshift Circuit Test

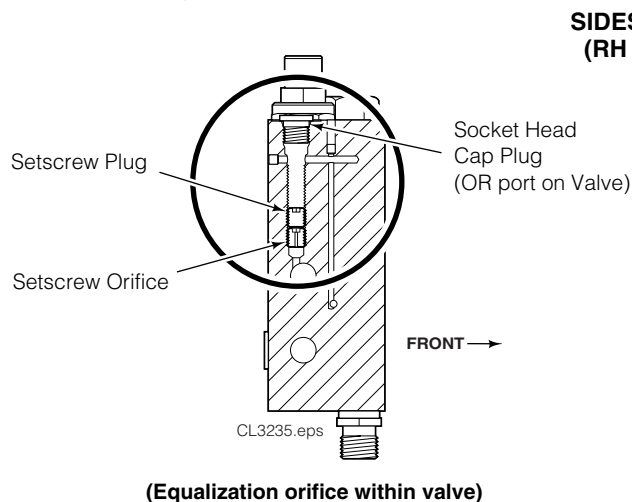
IMPORTANT: Assure that the Clamp is supplied with the correct pressure and flow (see sticker on Clamp valve) and cylinders are operating properly before accomplishing the following:

- 1 Clamp a maximum load and sideshift LEFT and RIGHT observing sideshifting movement:
 - If Clamp will not sideshift or sideshifts slowly, adjust the SS relief clockwise (CW) until the Clamp sideshifts. Then adjust counterclockwise (CCW) 1/4-turn increments until sideshift speed slows (relief opening). Finish by adjusting cartridge clockwise (CW) 1/4-turn. Tighten jam nut.
 - If Clamp will not sideshift after the attempted relief adjustment, go to Step 2.

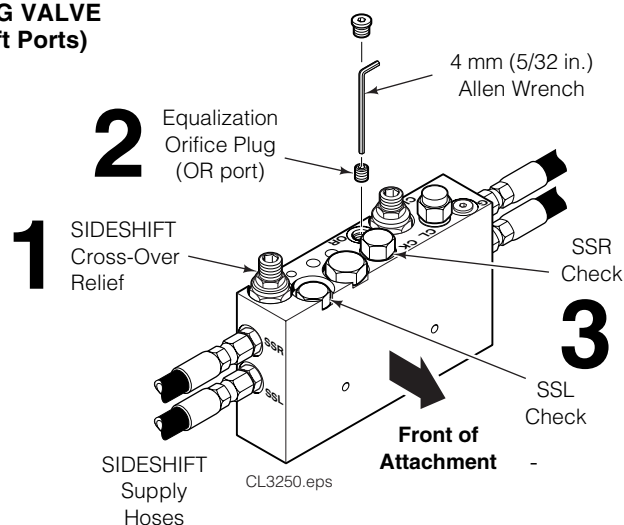


WARNING: Before removing hydraulic lines or components, relieve pressure in the attachment hydraulic system. Turn the truck off and move the truck auxiliary control valves several times in both directions.

- 2 Remove the setscrew plug from the equalization orifice located in the port stamped 'OR' on top of the valve (see illustrations below). Both plug and orifice are 4 mm (5/32 in.) Allen hex socket. Repeat SS relief adjustment in Step 1.
 - If valve does not have an 'OR' port, install a new valve with the equalization circuit, or install an external equalization connection between the CLAMP/OPEN lines. (Service Kit 212863, Installation Instructions 212862, TB 167 available.)
- 3 If the Clamp sideshifts at the proper speed in one direction but not the other, the SS relief setting can be assumed OK, but the SSL or SSR check valve may be faulty. Swap or replace the check valve cartridge(s).
 - If Clamp still sideshifts improperly in one or both directions, the problem is not hydraulic and may be due to bending damage on the arms or frames.



SIDESHIFTING VALVE (RH Sideshift Ports)



NOTE: This information should not be interpreted as the basis for warranty claims unless so designated.

Part Number 6056682

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