

**PARTS & SERVICE
NEWS**

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SUBJECT: FUNK TRANSMISSION ORIFICE PLUG**PURPOSE:** Reduce transmission shift shock**APPLICATION:** GD530A Motor Grader S/N 200840 thru 202050
GD530AW Motor Grader S/N 200840 thru 202050
GD650A Motor Grader S/N 200840 thru 202050
GD650AW Motor Grader S/N 200840 thru 202050
GD670A Motor Grader S/N 200840 thru 202050
GD670AW Motor Grader S/N 200840 thru 202050
830 Motor Grader S/N 100496 thru 202050
850 Motor Grader S/N 100496 thru 202050
870 Motor Grader S/N 100496 thru 202050**DESCRIPTION:**

To reduce transmission shift shock, this **PARTS & SERVICE NEWS** provides an orifice plug, part number 161517, installed in the transmission control valve.

<https://hespareparts.com/>

1. Remove the transmission shift valve by disconnecting the following:
 - A. Unplug solenoid electrical connectors (1).
 - B. Disconnect the clutch pressure pilot line (2).
 - C. Remove solenoid coil #5 for access to the valve mounting bolts.
2. Remove the bolts and shift valve from the transmission. Caution should be used not to damage 134376 valve body gasket.

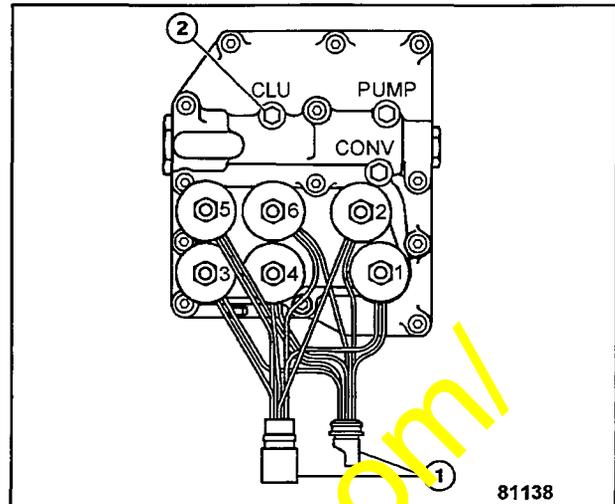


FIGURE 1

3. Locate the 1/4-20 tapped hole within the porting passageway (1). Clean all oil from this hole with Loctite 755 Safety Solvent or equivalent.
4. Apply a small amount of Loctite 222 adhesive to the 161517 orifice plug. Screw in the orifice till it is flush with passageway as shown in inset (A). The orifice should not be bottomed out as it will cause a long delay in the transmission shift time.
5. Insure that all mounting surfaces of the valve and gasket are clean and install the valve. Tighten bolts to 19 lb-ft. Start the center bolt and work out and around the bolt hole pattern.

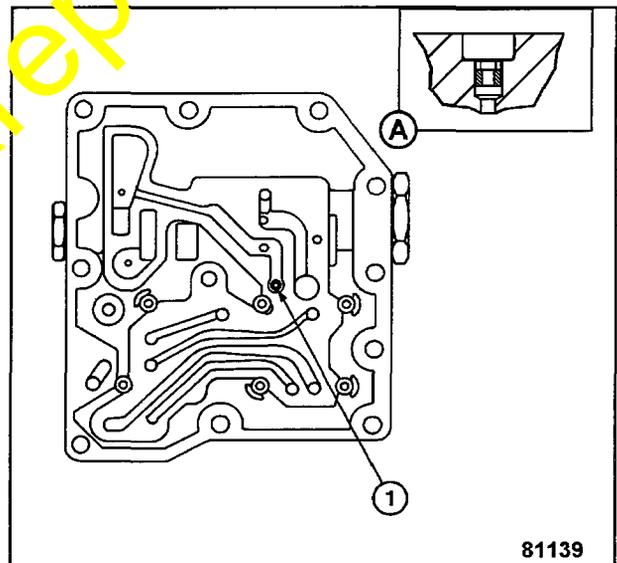


FIGURE 2