



Technical Service Information

VOLVO 50-40LE/50-42LE NO REVERSE, 1ST OR 4TH GEAR

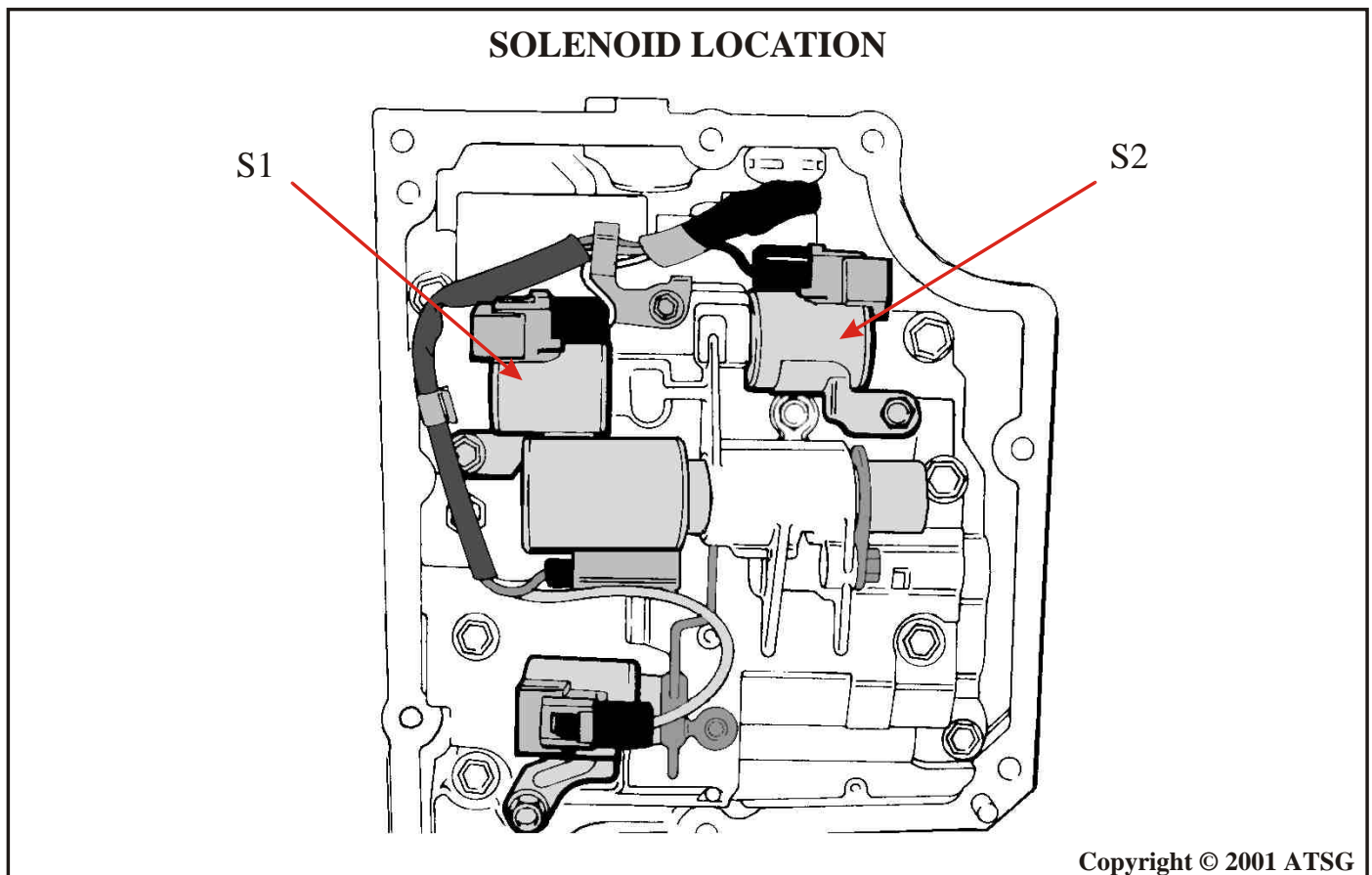
COMPLAINT: Vehicles equipped with the 50-40LE or the 50-42LE transaxle may exhibit a No Reverse No 1st and No 4th condition before and/or after overhaul.

CAUSE: The cause may be,
1. While cleaning and servicing the valve body, the solenoid screens were installed upside down blocking solenoid feed to the shift solenoids and shift valves as shown in Figure 2. The
2. Shift solenoids are not functioning mechanically.

CORRECTION: Follow the corrections listed below:
1. Assemble the solenoid screens as shown in Figure 3.
2. Check the Shift Solenoids mechanically as shown in Figure 4 and replace as necessary.

SERVICE INFORMATION:

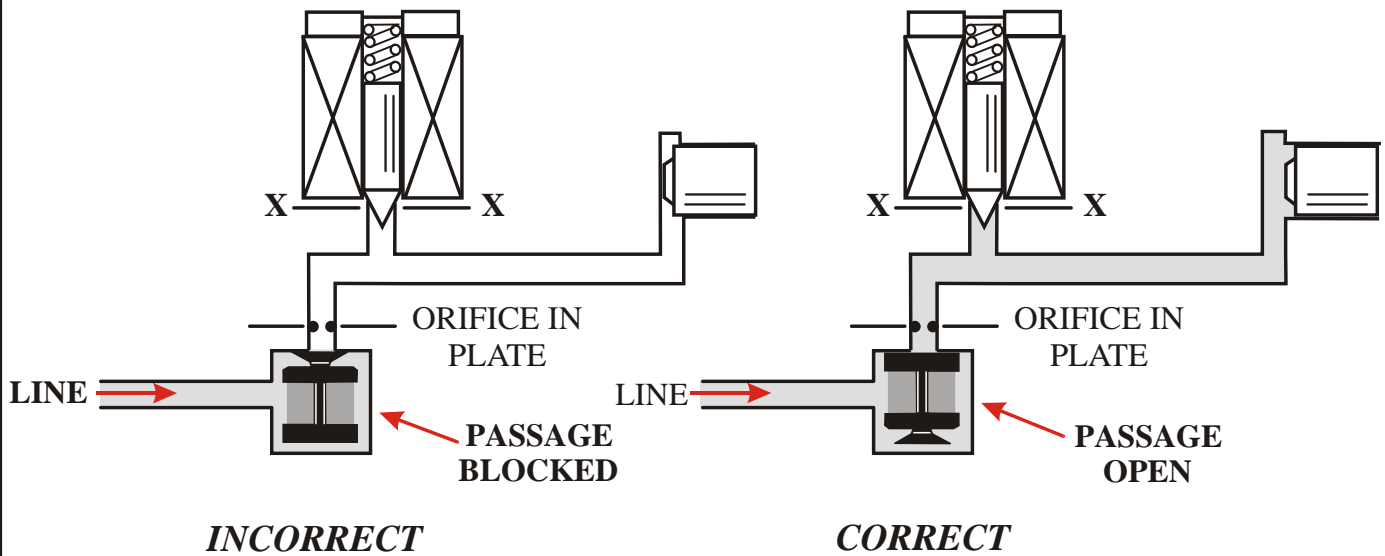
SOLENOID 1 & 2 (*Volvo Part Number*).....6843783



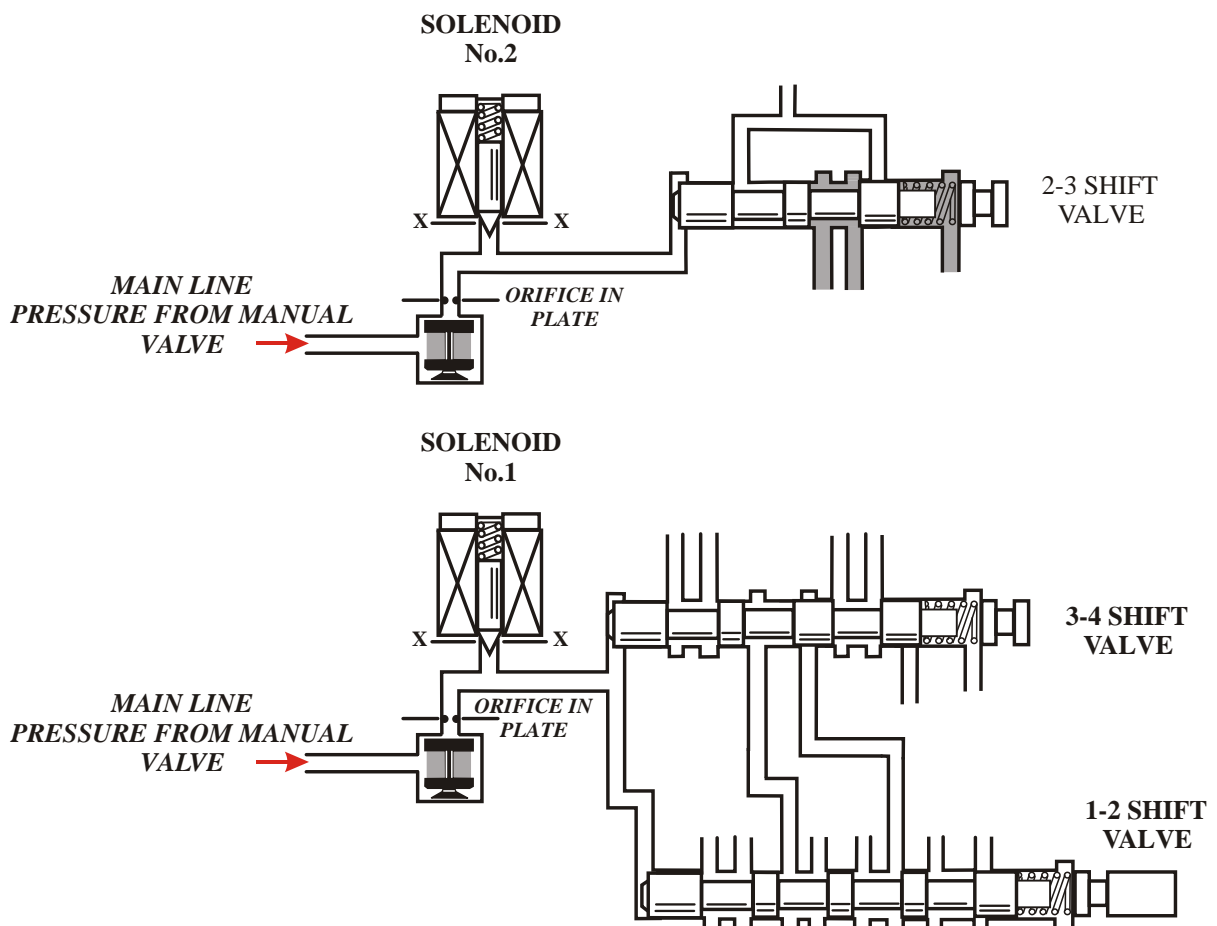
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Figure 1

SOLENOID SCREENS



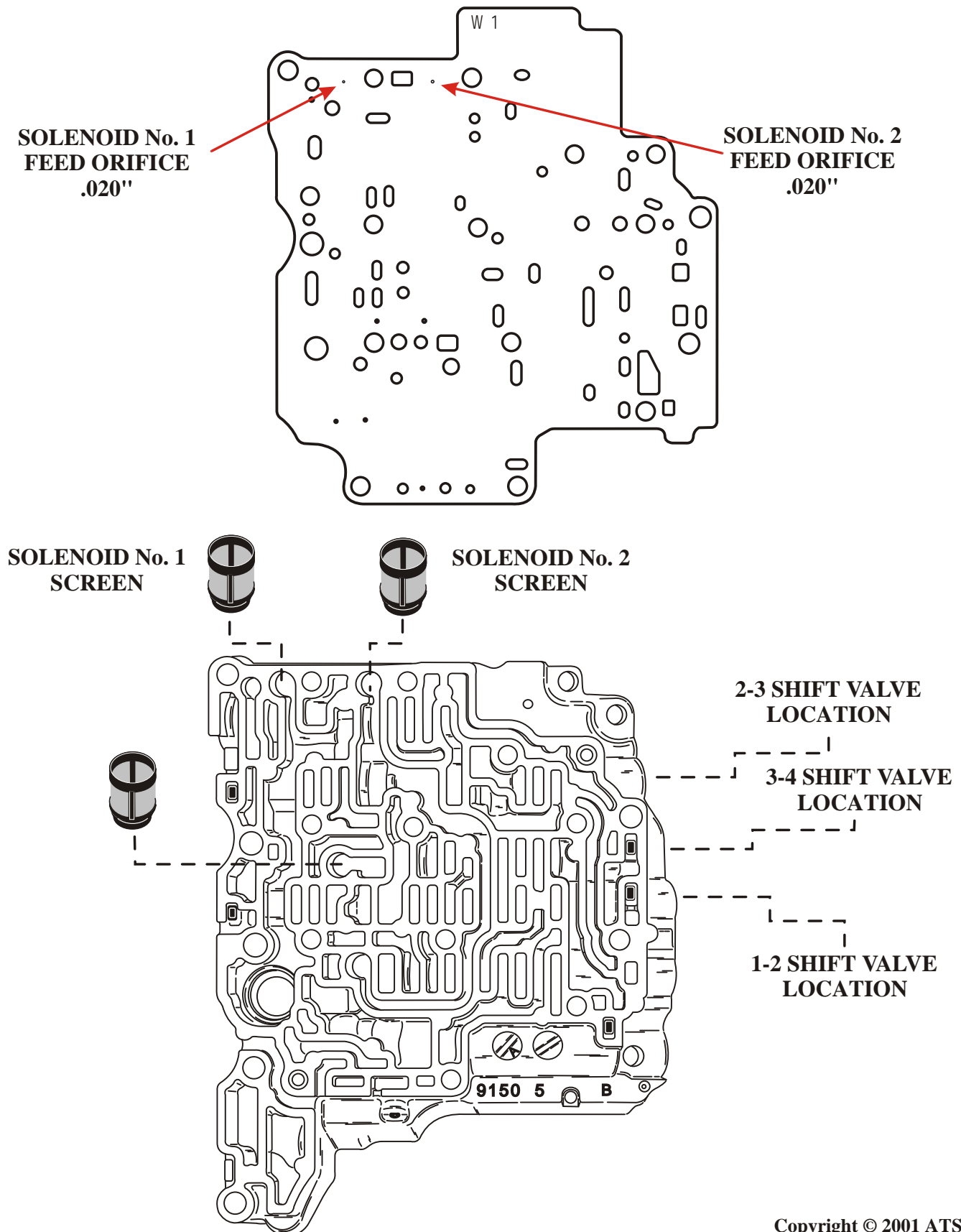
SOLENOID 1 AND 2 PARTIAL HYDRAULIC SCHEMATICS



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Figure 2

CENTER VALVE BODY AND SPACER PLATE

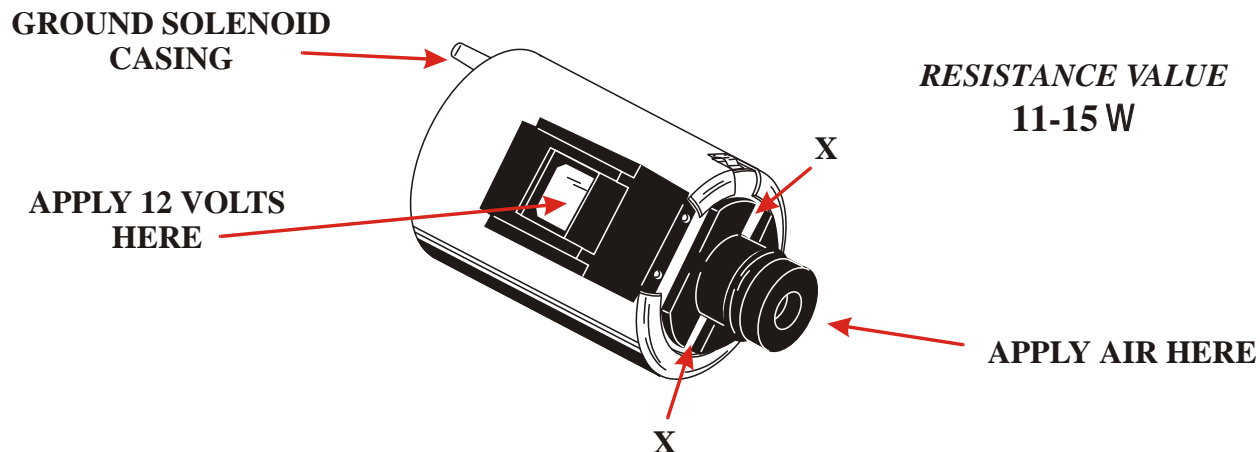


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Figure 3

SOLENOID 1 AND 2 FUNCTIONAL CHECK

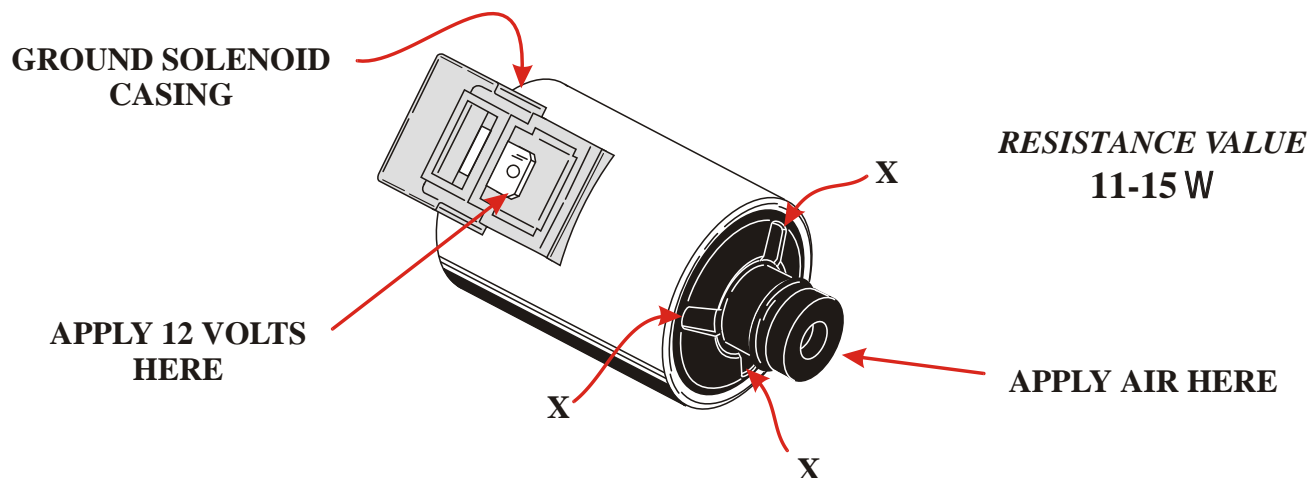
EARLY VERSION S1 "BLACK CONNECTOR"



***SOLENOID 1 IS NORMALLY CLOSED
APPLY 40-60 psi. OF AIR PRESSURE TO THE SNOOT OF SOLENOID
AIR PRESSURE MUST NOT LEAK OUT OF EXHAUST PORTS UNTIL
THE SOLENOID IS ENERGIZED***

NOTE: THE EARLY VERSION SOLENOID 1 IS NOW REPLACED BY SOLENOID 2

LATE VERSION S1&S2 "GREEN CONNECTOR"



***SOLENOID 2 IS NORMALLY CLOSED
APPLY 40-60 psi. OF AIR PRESSURE TO THE SNOOT OF SOLENOID
AIR PRESSURE MUST NOT LEAK OUT OF EXHAUST PORTS UNTIL
THE SOLENOID IS ENERGIZED***

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Figure 4