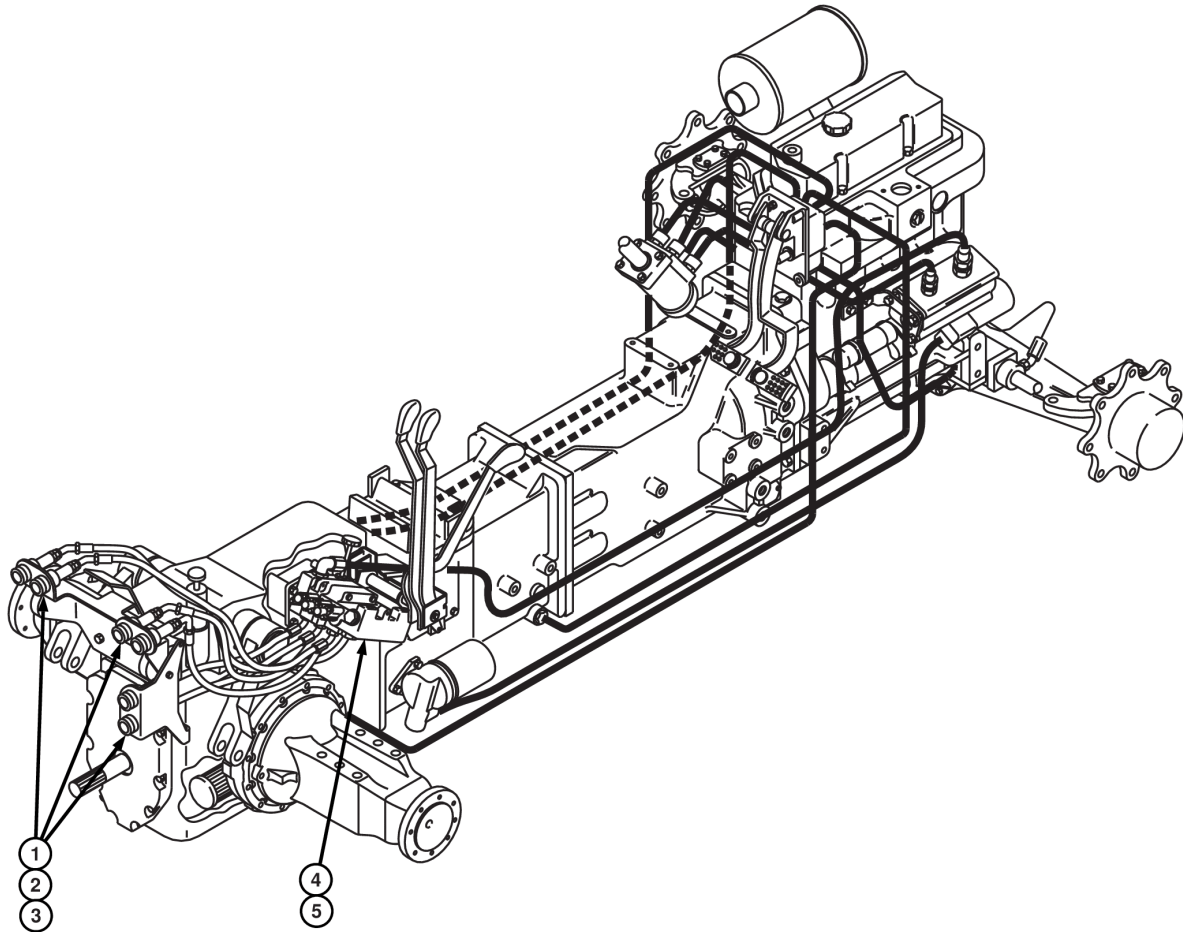


**Hydraulic System Tests-With SCV**

LV6550

**HYDRAULIC SYSTEM TESTS — WITH SCV (STRADDLE MOUNT TRACTORS)****LV6550-UN: Hydraulic Sys. Test - W/SCV****LEGEND:**

- 1 - Rear Coupler
- 2 - Rear Outlet
- 3 - Rear Outlet
- 4 - Rockshaft
- 5 - Rockshaft

**CONDITIONS:**

- Hydraulic oil is correct type, clean and at the proper level.

- No external hydraulic oil leaks.
- If oil filter wasn't replaced during preliminary inspection, replace it to ensure proper function.
- Rockshaft feedback linkage is properly adjusted. Refer to [Rockshaft Position-Sensing Feedback Linkage Adjustment](#) and [Rockshaft Draft-Sensing Feedback Linkage Adjustment](#) in Group 19 for procedure.
- Hydraulic oil at approximately 43°C (110°F).

**-: Hydraulic System Tests-with SCV**

Test Location	Normal	If Not Normal
1. Check main relief pressure (at rear outlets) with engine at slow idle.	18995-19685 kPa (190-197 bar) (2755-2855 psi).	Reading low (test 1 and 2). Check main relief for leakage.
		Reading low (test 1 only). Inspect mesh filter. Inspect suction line. Inspect pump.
2. Test SCV leakage (at each rear outlet).	Pressure stays above 3448 kPa (34.5 bar) (500 psi) for at least 5 seconds.	Excessive drop at outlet 1 or 2: Repair #1 SCV spool.
		Excessive drop at outlet 3 or 4: Repair #2 SCV spool.
		Excessive drop at outlet 5 or 6: Repair #3 SCV spool.
3. Leak test rockshaft with pipe plug installed in rockshaft passage.	Rockshaft holds steady under implement load.	Inspect rockshaft in cylinder, seals, piston, or surge relief valve.
4. Leak test rockshaft without pipe plug installed in rockshaft passage.	Rockshaft holds steady under implement load.	Replace rockshaft valve or O-ring seals.

Go to [Section\\_280:Group\\_17](#)

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