

ELECTROHYDRAULIC DRIVE GEAR TROUBLESHOOTING

Problems	Possible Causes	Solutions
FWD does not engage.	<ol style="list-style-type: none"> 1. Drive gear engage/disengage switch faulty. 2. Solenoid valve control contactor faulty. 3. Drive gear solenoid valve control jammed in delivery position. 4. FWD engagement spring stretched. 	<p>Replace the switch.</p> <p>Check relay. Replace if necessary.</p> <p>Check solenoid valve. Replace if necessary.</p> <p>Overhaul the unit.</p>
FWD remains engaged.	<ol style="list-style-type: none"> 1. Transmission oil level insufficient. 2. Clogged oil filter. 3. Hydraulic pump faulty. 4. Drive gear engage/disengage switch faulty. 5. No power at solenoid valve: connections loose or damaged, contactor defective. 6. Drive gear solenoid valve control jammed in discharge position. 7. Oil leakage through seals, leading to drop in pressure: hub, piston or delivery union seals, or drive gear shaft seal rings. 	<p>Top up oil level.</p> <p>Replace filter.</p> <p>Overhaul or replace pump.</p> <p>Replace the switch.</p> <p>Check electrical connections and replace defective parts.</p> <p>Overhaul or replace solenoid valve.</p> <p>Replace all defective seals.</p>
With electrohydraulic FWD disengaged, drive cannot be engaged by operating the brake pedals.	<ol style="list-style-type: none"> 1. Brake pump pressure switch faulty. 	<p>Replace the pressure switch.</p>