

## SECTION 3. TROUBLESHOOTING



### WARNING

**Do not attempt any servicing or adjustments with the engine running. Use extreme caution while inspecting the drive belt assembly and all vehicle linkage!**

**Follow all safety procedures outlined in the vehicle owner's manual!**

In many cases problems with the BDP-10A/21L are not related to a defective pump but are caused by slipping drive belts, partially engaged bypass valves, and loose or damaged control linkages. Be sure to perform all operational checks and adjustments outlined in Section 3. before assuming the pump is malfunctioning. Table 2. below provides a troubleshooting check list to help determine the cause of operational problems.

**Table 2. BDP 10A/21L Troubleshooting Checklist**

Possible Cause	Corrective Action
<b>VEHICLE DOES NOT DRIVE/TRACK STRAIGHT</b>	
Vehicle tires improperly inflated Control linkage bent, loose or out of adjustment Bypass loose Inlet leak	Refer to vehicle manufacturer suggested pressure Repair, adjust or replace vehicle linkage Tighten bypass per page 11 Check all externals to BDP inlet
<b>UNIT IS NOISY</b>	
Excessive input speed Oil level low or contaminated oil Excessive loading Air trapped in hydraulic system Bypass loose Inlet leak, line or filter partially blocked or damaged	Adjust input above 1800 rpm and below 3600 rpm Fill to proper level or change oil Reduce vehicle load Purge hydraulic system per page 12 Tighten bypass per page 11 Check all externals to BDP inlet
<b>UNIT HAS NO/ LOW POWER</b>	
Engine RPM low Control linkage bent, loose or out of adjustment Drive belt slipping or pulley damaged Oil level low or contaminated oil Excessive loading Bypass loose Air trapped in hydraulic system Inlet leak Inlet filter clogged Suspected internal damage	Adjust to correct setting Repair or replace vehicle linkage Repair or replace drive belt or pulley Fill to proper level or change oil per page 11 Reduce vehicle load Tighten bypass per page 11 Purge hydraulic system per page 12 Check all externals to BDP inlet Replace filter per page 12 Check per page 9
<b>UNIT OPERATING HOT</b>	
Debris buildup Cooling fan or heat exchanger damaged Oil level low or contaminated oil Excessive loading Air trapped in hydraulic system Inlet leak	Remove debris Repair or replace cooling fan or heat exchanger Fill to proper level or change oil per page 11 Reduce vehicle load Purge hydraulic system per page 12 Check all externals to BDP inlet
<b>BDP LEAKS OIL</b>	
Damaged seals or gaskets Air trapped in hydraulic system	Remove debris, replace seals Purge hydraulic system per page 12