



SHEPPARD

Quality Engineered Products. Unlimited Capabilities.

POWER STEERING TROUBLESHOOTING CHECKLIST

Before proceeding with the following tests, check all mechanical and external conditions before hydraulic testing. Do not remove the steering gear or pump until hydraulic tests are completed and an authorization number has been received from Sheppard.

Date: _____
Dealer Name & Location: _____
Dealer Contact Name: _____
Contact Phone Number: _____
Servicing Tech Name: _____

Sheppard Returned Goods
Authorization Number:

Description of Steering Complaint:

Vehicle Model _____ Mileage _____ VIN _____
Engine Model _____ Vehicle Application _____
Steering Gear Model _____ Serial No. _____
Slave Gear Model (if equipped) _____ Serial No. _____
Pump Manufacturer _____ Pump Part # _____
Front Axle Weight Rating _____ Front Axle Manufacturer _____

HYDRAULIC TESTS: Refer to RH Sheppard service information available on line at: www.rhsheppard.com and in the Sheppard steering gear Service Manuals. Do not remove the steering gear! Install a pressure and flow tester in the pressure line from the pump to the gear as outlined in the Diagnosis and Troubleshooting Section. Record the following information:

Engine Idle RPM _____ Engine Max RPM _____
Oil Temperature _____ Degrees F (Tests should be run at about 180F)
System Backpressure @ Idle _____ PSI Backpressure @ Max RPM _____ PSI
Maximum System Pressure (Pump Relief Setting) at idle _____ PSI at Max RPM _____ PSI
Flow @ Idle with Backpressure Only _____ GPM
Flow @ Max RPM Backpressure Only _____ GPM
Flow @ Idle With 1500 PSI Load Applied _____ GPM
Flow @ Max RPM With 1500 PSI Load Applied _____ GPM
Does Steering Gear Stay in Pressure when the Steering Wheel is released? YES _____ NO _____
Static Steer Turning Pressure RIGHT Turn _____ PSI LEFT Turn _____ PSI
Relief Plunger Trip Pressure RIGHT Turn _____ PSI Pressure Drops Down to _____ PSI
Relief Plunger Trip Pressure LEFT Turn _____ PSI Pressure Drops Down to _____ PSI
Steering Gear Internal Leakage RIGHT Turn _____ PSI _____ GPM
Steering Gear Internal Leakage LEFT Turn _____ PSI _____ GPM
Static Steer Turning Input Effort RIGHT Turn _____ In. Lbs LEFT Turn _____ In. Lbs.

Sheppard Field Service Hotline: 1-800-274-7437

Call the Hotline for pre-authorization and review of checklist prior to steering gear replacement.
Warranty may be denied without a completed checklist.