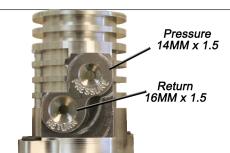


Instruction Bulletin #1021 Correct Bleeding Procedure for Flaming River Power Rack & Pinion Systems.



Make sure that all hoses (FR1610) are connected to the proper location. Reversing the power steering lines will cause damage to the valve that is not covered by the manufacturer's

All hose connections must be tight. (Loose connections might not leak but could allow air into the system)

Important

*** Power Steering Fluid*** Use clean, new power steering fluid only.

Turn Ignition Off



Start engine. With engine idling, maintain fluid level. Reinstall cap.



Raise front wheels off the ground.



Return wheels to center. Lower front wheels to the ground.



Turn the steering wheel full left.



Keep engine runnng for two (2) minutes.



Fill fluid level to "Full Cold" level or if using remote reservoir 1" over inner tube

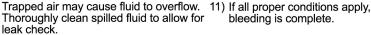


Turn steering wheel in both directions.



With assisant checking fluid level and condition, turn steering wheel lock to lock at least 20 times.

Note: On systems with long return lines or fluid coolers, turn steering wheel lock to lock at least 40 times.





While turning wheels check 12) If any problem remains see fluid level constantly.

bleeding is complete.

Smooth power assist

Proper fluid condition

no discoloration.

No bubbles, no foam,

Noiseless operation Proper fluid level

No system leaks

'Special Conditions".

Note: No bubbles are allowed.

For any sign of bubbles, recheck connections then repeat step 5.

Special Conditions:



Foam or bubbles in fluid

Fluid must be completely free of bubbles. Instep 5, be alert to periodic bubbles that could indicate a loose connection or leaky O-Ring seal in either the return hose or pressure

· Discolored fluid (milky, opaque, or light tan color)

Switch ignition off. Wait two (2) minutes. Recheck hose connections. Repeat steps 7-10. If condition still exists, replace and check a possible cause:

- Return hose clamps
- Return hose o-ring
- Pressure hose o-ring
- Gear cylinder line o-rings

Fill system and repeat bleed procedure for each possible cause. Repeat steps 7-10 to verify whether noise has been eliminated.



Pump whine or groan

With engine running, recheck hoses for possible contact with frame body or engine. If no contact is found, follow either method below to cool down fluid and re-pressurize system.

Method 1: Normal Cool Down Method 2:

Partial Fluid Replacement

Switch engine off. Wait for system to cool. Install reservoir cap.

Switch engine off. Use a Suction device to remove fluid from the reservoir. Refill with cool, clean fluid. Install Reservoir cap.

After either method of cooling, start engine and allow engine to reach normal operating temperature. If noise persists, remove and replace power steering pump. Repeat bleed procedure following pump replacement.

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