

Technical Service Bulletin

NUMBER: 19-003-01 REV. A

GROUP: Steering

DATE: Aug. 24, 2001

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THIS BULLETIN SUPERCEDES TECHNICAL SERVICE BULLETIN 19-003-01, DATED JUNE 08, 2001 WHICH SHOULD BE REMOVED FROM YOUR FILES. THIS IS A COMPLETE REVISION AND NO ASTERISKS HAVE BEEN ADDED TO HIGHLIGHT REVISIONS.

SUBJECT:

Steering Honk-Like Sound When Performing Right Turns At Low Speed

OVERVIEW:

This bulletin involves the replacement of the power steering hose(s).

MODELS:

1999 - 2001 (WJ) Grand Cherokee
2001 (WG) Grand Cherokee

NOTE: THIS BULLETIN APPLIES TO ALL 1999 THROUGH 2001 MODEL YEAR GRAND CHEROKEE VEHICLES EQUIPPED WITH A NON-HYDRAULIC COOLING SYSTEM AND BUILT BEFORE MARCH 05, 2001 (MDH 0305XX).

SYMPTOM/CONDITION:

Some vehicles may exhibit a honk-like sound from the power steering system. This sound occurs most often during a right hand low speed turn, as would occur during parking lot maneuvers. The revised steering hose(s) has been tuned to eliminate this condition.

DIAGNOSIS:

If the customer indicates that the above condition is present, perform the Repair Procedure.

PARTS REQUIRED:

Qty.	Part No.	Description
1	52088452AD	Hose, Pressure (4.0L)
1	05080950AA	Hose, Pressure (4.7L)
1	05080951AA	Hose, Return (4.7L)
1	52088116AB	Fitting, Pressure Hose - Quick Connect At Pump (4.7L)
1	02448770	Clamp, Return Hose to Cooler (4.7L)
1	04883077	Fluid, Power Steering (MS-5931 quart)

REPAIR PROCEDURE:

THIS REPAIR IS COMPATIBLE WITH DAIMLERCHRYSLER'S MOBILE SERVICE PROGRAM AND DOES NOT REQUIRE HOISTS OR OTHER FULL SERVICE FACILITY SPECIAL EQUIPMENT

IF VEHICLE IS EQUIPPED WITH A 4.0L ENGINE:

1. Remove the air cleaner housing.
2. Clean the area where the power steering pressure hose connects to the steering gear and pump.
3. Wipe filler cap clean, siphon fluid out of the power steering fluid reservoir.
4. Remove the power steering pressure hose from the power steering pump and steering gear.
5. Install the new power steering pressure hose, p/n 52088452AD, to the steering pump and steering gear. Tighten both fittings to 28 Nm (21 ft. lbs.).
6. Install the air cleaner housing.
7. To properly fill and bleed the power steering system, refer the below section: POWER STEERING PUMP - INITIAL OPERATION TO FILL AND BLEED.

NOTE: THE POWER STEERING SYSTEM MUST BE BLED THOROUGHLY SO THAT NO AIR REMAINS TRAPPED WITHIN THE SYSTEM.

IF VEHICLE IS EQUIPPED WITH A 4.7L ENGINE:

1. Remove the air cleaner housing.
2. Clean the areas where the power steering pressure and return hoses are connected.
3. Wipe filler cap clean, siphon fluid out of the power steering fluid reservoir.
4. Remove the power steering pressure hose from the power steering pump and steering gear.
5. Install the new power steering pressure hose quick connect fitting, p/n 52088116AB, to the power steering pump.
6. Install the new power steering pressure hose, p/n 05080950AA, to the steering pump and steering gear. Tighten both fittings to 28 Nm (21 ft. lbs.).
7. Remove the metal return line from the power steering gear. Remove the short rubber hose that was used to connect the metal return line to the oil cooler.
8. Slide the hose clamp, p/n 02448770, onto the new return hose, p/n 05080951AA.
9. Loose fit the new return hose onto the oil cooler and power steering gear. Make sure that the hose is not kinked.

NOTE: DO NOT USE ANY LUBRICANT TO ASSIST IN THE INSTALLATION OF THE NEW RETURN HOSE TO THE OIL COOLER. THIS CONNECTION MUST REMAIN A DRY FIT.

10. Tighten the hose clamp to secure the oil cooler end of the return hose to the oil cooler.
11. Tighten the return hose steering gear fitting to 28 Nm (21 ft. lbs.).
12. Install the air cleaner housing.
13. To properly fill and bleed the power steering system, refer the below section: POWER STEERING PUMP - INITIAL OPERATION TO FILL AND BLEED

NOTE: THE POWER STEERING SYSTEM MUST BE BLEED THOROUGHLY SO THAT NO AIR REMAINS TRAPPED WITHIN THE SYSTEM.

POWER STEERING PUMP - INITIAL OPERATION TO FILL AND BLEED

WARNING: THE FLUID LEVEL SHOULD BE CHECKED WITH THE ENGINE OFF TO PREVENT INJURY FROM MOVING COMPONENTS

CAUTION: USE MOPAR POWER STEERING FLUID, P/N 04883077, OR EQUIVALENT. DO NOT USE AUTOMATIC TRANSMISSION FLUID AND DO NOT OVERFILL.

Wipe filler cap clean, then check the fluid level. The dipstick should indicate COLD when the fluid is at normal ambient temperature.

1. Fill the pump fluid reservoir to the proper level and let the fluid settle for at least two minutes.
2. Start the engine and let run for a few seconds, then turn the engine off.
3. Add fluid if necessary. Repeat the above procedure until the fluid level remains constant after running the engine.
4. Raise the front wheels off the ground.
5. Slowly turn the steering wheel all the way to the right and then all the way to the left. Lightly contact the wheel stops at the end of each turn. Complete at least 10 of these right and left cycles.
6. Check the fluid level and add fluid if necessary.
7. Lower the vehicle, start the engine and turn the steering wheel slowly from lock to lock.
8. Stop the engine and check the fluid level. Refill as required.
9. If fluid is extremely foamy or milky looking, allow the vehicle to stand a few minutes and repeat the procedure.

CAUTION: DO NOT RUN A VEHICLE WITH FOAMY FLUID FOR AN EXTENDED PERIOD. THIS MAY CAUSE PUMP DAMAGE.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Amount
19-50-10-96	Hose, P/Strng Pump Pressure - Replace	0.4 Hrs.
19-50-10-97	Hose, P/Strng Pump Pressure and Return - Replace	0.5 Hrs.

FAILURE CODE:

P8	New Part
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