

Technical Service Bulletin

NUMBER: 07-001-02

GROUP: Cooling

DATE: Jan. 11, 2002

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THIS BULLETIN SUPERSEDES TECHNICAL SERVICE BULLETIN 07-005-01, DATED SEPTEMBER 14, 2001, WHICH SHOULD BE REMOVED FROM YOUR FILES. THIS IS A COMPLETE REVISION AND NO **ASTERISKS**** HAVE BEEN USED TO HIGHLIGHT THE CHANGES.**

SUBJECT:

Belt-Like Squeal Sound at High Engine RPM

OVERVIEW:

This bulletin involves replacing the heater core return hose and replacing the variable restrictor with a fixed restrictor.

MODELS:

2001 - 2002 (RS) Town & Country/Caravan/Voyager

NOTE: THIS BULLETIN APPLIES TO VEHICLES EQUIPPED WITH A 3.3L ENGINE AND WITHOUT REAR HVAC (SALES CODE HBB) AND WITHOUT AN ENGINE OIL COOLER (SALES CODE NHA).

SYMPTOM/CONDITION:

With the engine at 3000 RPM or higher, a belt-like squeal sound may be heard from the center of the dash area. This sound is similar to the sound produced by a worn/loose accessory drive belt or faulty generator.

DIAGNOSIS:

Start engine and apply the parking brake. Open and support the hood. From the engine compartment, accelerate the engine to produce the sound (3000 RPM or higher). Use pliers to pinch off the heater core return hose (top hose) between the heater core outlet tube and the in-line restrictor. If the noise is eliminated, perform the Repair Procedure.

PARTS REQUIRED:

Qty.	Part No.	Description
1	05005341AA	Coolant Hose, Heater Core Return
1	05072197AA	Restrictor
AR	05066386AA	Coolant, Engine (MS9769)

REPAIR PROCEDURE:

WARNING: TO PREVENT INJURY, ALLOW THE ENGINE TO COOL BEFORE PERFORMING THIS REPAIR. WHEN THE ENGINE IS AT OPERATING TEMPERATURE, ENGINE COOLANT IS HOT AND UNDER PRESSURE.

1. Using pliers, remove both tension clamps from the heater core return hose (top hose to heater core) (Fig. 1).

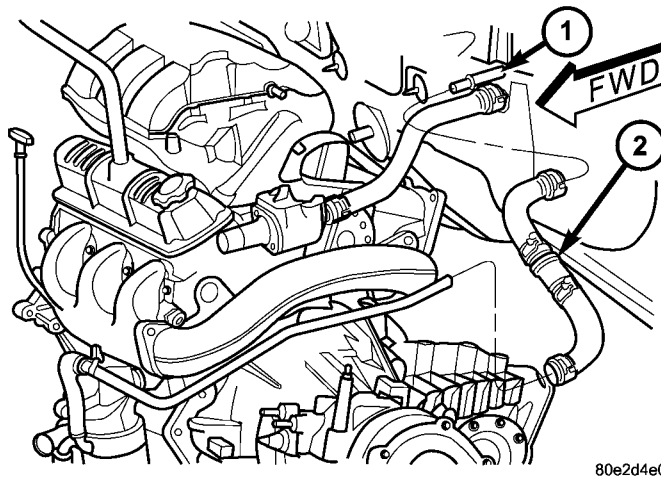


Fig. 1 HEATER RETURN LINE & RESTRICTOR

- 1 - HEATER CORE OUTLET TUBE
 - 2 - HEATER CORE RETURN HOSE AND RESTRICTOR LOCATION
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2. Remove and discard the heater core return hose and restrictor.
3. Install the new restrictor into the coolant tube as shown in (Fig. 2)

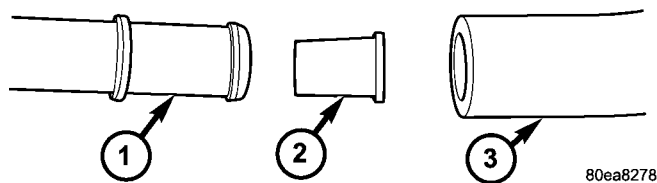


Fig. 2 RESTRICTOR LOCATION

- 1 - COOLANT TUBE
 - 2 - RESTRICTOR
 - 3 - HOSE TO HEATER CORE OUTLET TUBE
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4. Install the tension clamps to the new heater core return hose.
5. Install and fully seat the heater core return hose onto the coolant tube and the heater core outlet tube. Install the tension clamps.
6. Fill the coolant recovery/reserve container to the full level using a 50/50 mix of Mopar coolant (p/n 05066386AA) and distilled water.
7. Start the engine and check for coolant leaks.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Amount
24-46-10-99	Install Heater Core Return Line & Restrictor	0.4 Hrs.

FAILURE CODE:

P8	New Part
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