

**NO: 18-45-98**

**SUBJECT: Engine Vibration At Idle/Drone Noise**

**DATE: Dec. 18, 1998**

**NOTE: THIS INFORMATION APPLIES TO VEHICLES EQUIPPED WITH AN AUTOMATIC TRANSMISSION AND 4.0L OR 4.7L ENGINE BUILT PRIOR TO DEC. 18, 1998 (MDH 1218XX).**

**SYMPTOM/CONDITION:**

Some vehicles may exhibit an engine vibration, repeating "beat" like sound, or a "drone" like sound with a warm engine during idle. The source of this vibration/noise may be induced by the electric cooling fan.

**DIAGNOSIS:**

Using the Mopar Diagnostic System (MDS/MDS2) or the Diagnostic Scan Tool (DRB III<sup>®</sup>) with the appropriate Diagnostic Procedures Manual, verify all engine/transmission systems are functioning as designed. If Diagnostic Trouble Codes (DTC's) are present, record them on the repair order and repair as necessary before proceeding further with this bulletin.

1. Start the engine and allow it to warm up.
2. Switch the A/C on and note any unusual noises or vibrations that may be present.
3. Stop the engine and disconnect the electric cooling fan connector.
4. Re-start the engine and again note any unusual noises or vibrations. Stop the engine and re-connect the connector.

If the noises or vibrations noted in step 2 are gone during step 4, perform the Repair Procedure.

**NOTE: WHENEVER A POWERTRAIN CONTROL MODULE (PCM) IS REPLACED DUE TO FAILURE, THE SOFTWARE OF THE REPLACEMENT CONTROLLER SHOULD BE VERIFIED FOR THE LATEST REVISION LEVEL. USE THE FLASH PROCEDURE TO UPDATE REPLACED CONTROLLERS AS NECESSARY.**

**EQUIPMENT/PARTS REQUIRED:**

Qty	Part No.	Description
1	CH6000	Scan Tool (DRB III <sup>®</sup> )
1	CH7035	General Purpose Interface Bus Cable (GPIB)
1	CH7000/7001	J1962 Cable
1	04669020	Label - Authorized Software Update
1	04275086	Label - Authorized Modification

**NOTE: THE MDS AND DRB III<sup>®</sup> ARE REQUIRED TO PERFORM THIS REPAIR AND THE SYSTEM MUST BE OPERATING WITH RELEASE 21 OR HIGHER AND TIL CD RELEASE 1175 OR HIGHER MUST BE INSTALLED.**