

TECHNICAL BULLETIN



Poor Running in Wet or Hot Weather Conditions – Replace Air Cleaner Housing

19-31

MODEL Sedan (3.6/4.0L) Range through 94 MYDATE 2/95
Up to VIN 708757

This Bulletin supersedes Technical Bulletin 19-24 Poor Running in Wet Conditions – Water in Air Cleaner Housing – Add Drain Holes, date of issue, 3/94.

ISSUE:

Engine hesitation, misfire or stalling during wet driving conditions or hot weather on all 3.6L and 4.0L Sedan Range vehicles up to VIN 708757 (end of the 1994 MY).

These symptoms can be the result of conditions outlined in Technical Bulletin 18-38 Momentary Engine Power Loss or Stalling – Diagnosis and Repair, date of issue 4/94.

The symptoms may also be caused by water entering the air cleaner housing through the air intake duct under the left front wheel arch during wet weather driving. Also, during low speed operation in very hot weather, fuel vapors may vent from the evaporative emission canister and be drawn into the engine air intake. The excess fuel vapor will cause poor idling or stalling at low vehicle speeds.

ACTION:

If customers experience symptoms of hesitation, misfire or stalling on 3.6L or 4.0L Sedan Range vehicles up to VIN 708757, perform the following procedures.

1. Confirm that all applicable procedures outlined in Technical Bulletin 18-38 Momentary Engine Power Loss or Stalling – Diagnosis and Repair, date of issue 4/94, have been performed.
2. Diagnose the EMS with PDU or JDS. Repair any faults found.
3. Ensure that the engine set up is within specification.
4. Check the condition of the primary and secondary ignition electrical systems.
5. If the poor running condition persists, replace the existing air cleaner assembly with a new air cleaner assembly (part number NBB 3500EA)

AIR CLEANER ASSEMBLY REPLACEMENT PROCEDURE

1. Remove the existing air cleaner assembly
2. Install 2 mounting grommets (part number NBC 3530AA) in the holes in the left side crush tube. The grommets will support the new air cleaner assembly.

NOTE: The air cleaner mounting pegs must be lubricated with soap in order to fit into the new grommets.

3. In the left side valance panel, cut and remove the existing grommet for the air intake duct.
4. Install a new grommet (part number DBC 11336). Carefully cut the new grommet to allow it to pass over the harness. Trim the grommet wall to conform to the harness.

NOTE: The grommet should provide an effective seal against water and fuel vapor between the wheel arch and the engine compartment.

5. Route the wiring harness behind the left headlight to ensure clearance for the new air intake duct.
6. Trim the flared end of the air intake duct with a round file to provide clearance for the left headlight assembly as shown in Illustration 1.

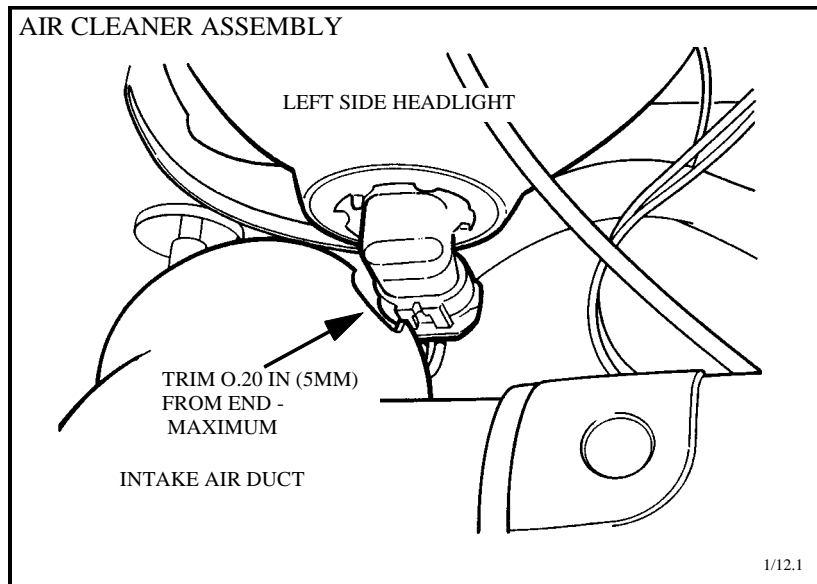


ILLUSTRATION 1

IMPORTANT: Do not trim more than 0.20 in (5mm) from the end of the air intake tube.
Profile the trimmed area to provide clearance for the headlight connector assembly.
Radius all sharp edges of the trimmed area to avoid intake air “whistles” or noise.

NOTE: Headlight adjustment or bulb replacement will require removal of the air cleaner cover.

PARTS INFORMATION:

<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>QTY</u>
Air cleaner assy.	NBB 3500EA	1
Mounting grommet	NBC 3530AA	2
Grommet	DBC 11336	1

WARRANTY INFORMATION:

<u>FAULT CODE</u>	<u>R.O. NUMBER</u>	<u>DESCRIPTION</u>	<u>MODEL</u>	<u>TIME ALLOWANCE</u>
CB DB PS	19.10.05	Air cleaner assy. - Renew	Sedan (3.6L) Range 1988 & 1989 MY	0.25 hrs.
			Sedan (4.0L) Range 1990 - 1992 MY	0.20 hrs.
			Sedan (4.0L) Range 1993 - 1994 MY	0.20 hrs.