

Brake Pedal Effort – Install Revised Vacuum Pipe and Check Valve

MODEL 1995 MY
Sedan Range
VIN
720001 - 731749

ISSUE:

A revised vacuum pipe and check valve assembly that provides consistent brake feel under all conditions, was introduced at VIN 731750. The revised check valve can be identified by a grey and black housing, while the original housing was all black, Illustration 1.

ACTION:

If a customer complains of brake pedal effort that increases after a previous brake application that was normal, install a revised vacuum pipe and check valve assembly.

1. The connection of the vacuum pipe to the intake manifold is located as follows:
 - 4.0L Normally Aspirated - Intake manifold on driver's side of engine below cruise control actuator.
 - 4.0L Supercharged - Intake manifold on driver's side of engine.
 - V12 - Rear of B Bank intake manifold.

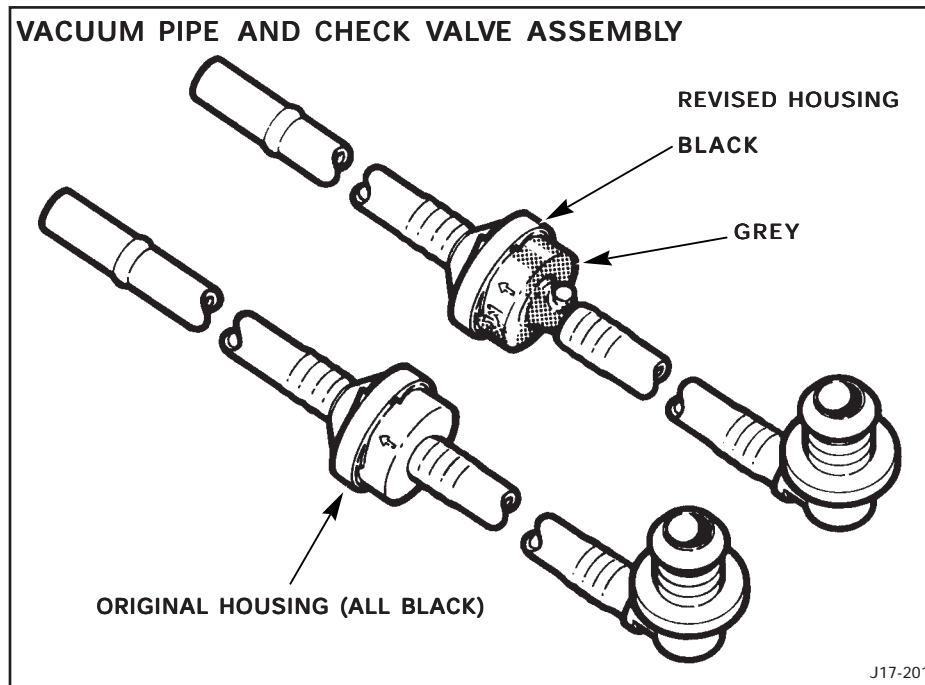


ILLUSTRATION 1

- Release the vacuum pipe at the intake manifold by using a flat bladed screwdriver to depress the retaining ring toward the manifold and then pulling the pipe out.

NOTE: The retaining ring remains in the intake manifold.

- Use a flat bladed screwdriver to pry the 90 degree elbow from the brake booster grommet.
- On 4.0L normally aspirated engines only, remove the air intake elbow and retaining bracket.
- On all engines, guide the vacuum pipe out by pushing the booster side down and under the brake fluid reservoir.
- Guide the 90 degree elbow of the new vacuum pipe under the brake fluid reservoir.
- Insert the 90 degree elbow into the booster grommet until the elbow is flush with the grommet. The pipe should be routed to the left of the heater hose on supercharged engines and in front of the heater hose on V12 engines.

NOTE: Do not use any lubricant.

- On 4.0L engines, reinstall the air intake elbow and the retaining bracket.
- On all engines, gently push the manifold end of the vacuum pipe into the retaining ring located in the manifold.
- Check that the vacuum pipe cannot be pulled from the manifold.

PARTS INFORMATION:

<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>QTY</u>
Vacuum pipe - 4.0L Naturally Aspirated	MNA 5910BC	1
Vacuum pipe - 4.0L Supercharged	MNA 5910FC	1
Vacuum pipe - V12	MNA 5910DC	1

WARRANTY INFORMATION:

<u>FAULT CODE</u>	<u>R.O. NUMBER</u>	<u>DESCRIPTION</u>	<u>TIME ALLOWANCE</u>
HD CG PP	70.50.16	Replace vacuum pipe and check valve assembly	0.10 hrs.