



**NUMBER:** 25-001-02 REV A

**GROUP:** Emissions

**DATE:** Sept. 2, 2002

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**SUBJECT:**

MIL Illumination, DTC P0442, P0455, or P0456 - Leak Detection Pump (LDP), Leak Detected

**OVERVIEW:**

This bulletin involves a new diagnostic test for the LDP system.

**MODELS:**

- \*\*1998 - 1999** (JA) Breeze/Cirrus/Stratus\*\*
- \*\*1999** (JX) Sebring Convertible\*\*
- \*\*1998 - 2001\*\*** (LH) Concorde/Intrepid/LHS/300M
- 2001 - 2002 (RS) Town & Country/Caravan/Voyager
- \*\*2002\*\*** (WJ) Grand Cherokee

**NOTE: THIS BULLETIN APPLIES TO JA AND JX MODEL EQUIPPED WITH CALIFORNIA EMISSIONS (SALES CODE NAE).**

**SYMPTOM/CONDITION:**

MIL illumination with one of the following DTC:

- P0442 EVAP Leak Monitor .040 Leak Detected (Medium Leak)
- P0455 EVAP Leak Monitor Large Leak Detected
- P0456 EVAP Leak Monitor .020 Leak Detected (Small Leak)

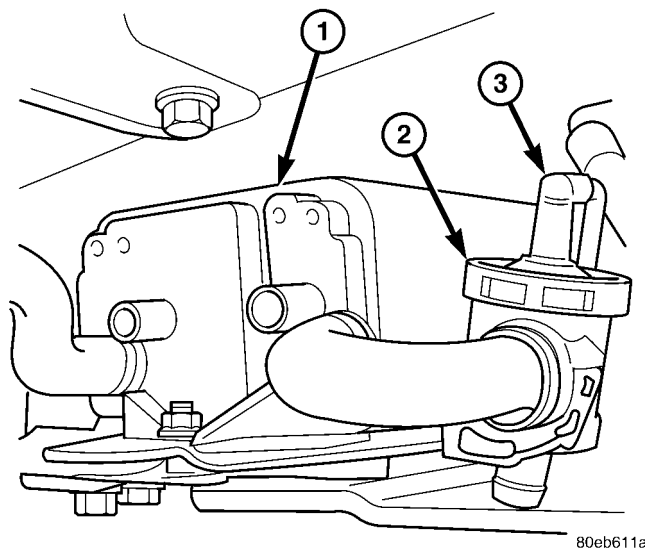
**DIAGNOSIS:**

If one of the above DTC's are present, perform this diagnostic test first before proceeding with the diagnostic procedures in the appropriate Powertrain Diagnostic Procedure Manual. Raise the vehicle on an appropriate hoist. Locate the LDP vent valve.

	<b>LDP Vent Valve Location</b>
<b>**JA</b>	In rear near the fuel tank, between the vapor canister and the LDP**
<b>**JX</b>	In rear near the fuel tank, between the vapor canister and the LDP**
<b>LH</b>	Rear right corner of the fuel tank

RS	Rearward and to the left of the front crossmember support plate
WJ	Under the left quarter panel behind left rear wheel. Remove the wheelhouse splash shield (five plastic rivets) to gain access

Remove the vacuum hose from the top of the vent valve (Fig. 1). Attach a hand vacuum pump to the vent valve and apply 20" Hg. vacuum. Observe the vacuum for 10 seconds. If the vacuum holds between 15.5" Hg. and 20" Hg., refer to the appropriate Powertrain Diagnostic Procedure Manual, MDS2, or the Leak Detection Pump Operation and Diagnosis booklet (Publication No. 81-170-000606) for further diagnosis. If the vacuum drops below 15.5" Hg., obtain the appropriate LDP vent valve using the Mopar parts catalog and perform the Repair Procedure.



**Fig. 1 LDP VENT VALVE (RS SHOWN)**

- 1 - FRONT EVAP CANISTER
- 2 - LDP VENT VALVE
- 3 - VENT VALVE VACUUM HOSE

**PARTS REQUIRED:**

Qty.	Part No.	Description
5	34201631	Plastic Rivets (required for 2002 WJ only)

**REPAIR PROCEDURE:**

1. Remove the left rear wheel (WJ only).
2. Remove the hose at the top rear of the evaporative canister to ease vent valve removal (WJ only).
3. Remove all clamps and all hoses attached to the vent valve.
4. Install new vent valve. Ensure all hoses, clamps and the vacuum hose to the top of the vent valve are securely attached.
5. Attach the hose at the top rear of the evaporative canister (WJ only).
6. Install wheelhouse splash shield using five plastic rivets (WJ only).

- 7. Install left rear wheel (WJ only).
- 8. Lower vehicle.
- 9. Use the DRBIII® to erase the DTC.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

<b>Labor Operation No:</b>	<b>Description</b>	<b>Amount</b>
**25-01-10-91	Test and Replace LDP Vent Valve (JA)	0.3 Hrs.**
**25-01-10-91	Test and Replace LDP Vent Valve (JX)	0.3 Hrs.**
25-01-10-91	Test and Replace LDP Vent Valve (LH)	0.3 Hrs.
25-01-10-91	Test and Replace LDP Vent Valve (RS)	0.2 Hrs
25-01-10-91	Test and Replace LDP Vent Valve (WJ)	0.5 Hrs

**FAILURE CODE:**

P8	New Part
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