

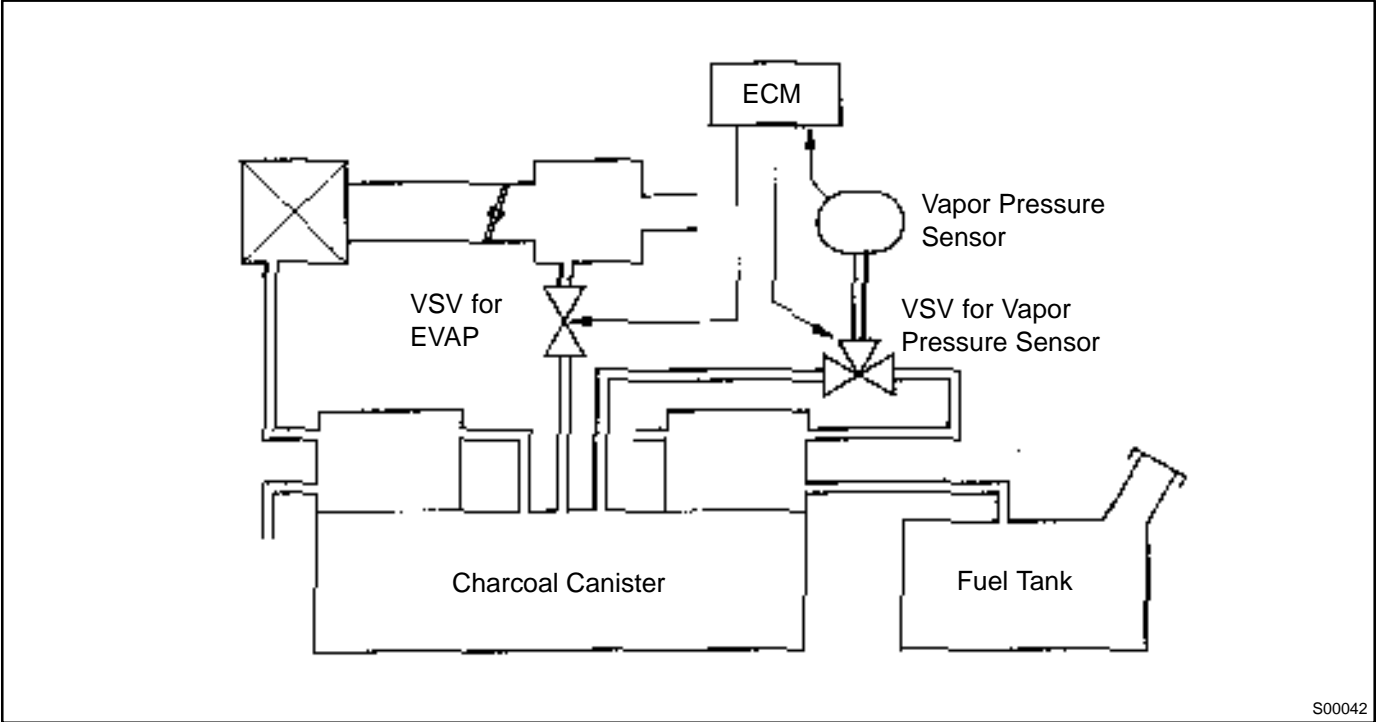
| | | |
|------------|--------------|--|
| DTC | P0450 | Evaporative Emission Control System Pressure Sensor Malfunction |
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CIRCUIT DESCRIPTION

The vapor pressure sensor and VSV for vapor pressure sensor are used to detect abnormalities in the evaporative emission control system.

The ECM decides whether there is an abnormality in the evaporative emission control system based on the vapor pressure sensor signal.

DTC P0450 is recorded by the ECM when the vapor pressure sensor malfunction.



S00042

| DTC No. | DTC Detecting Condition | Trouble Area |
|---------|---|--|
| P0450 | After engine has started and when 10 seconds has not passed away, conditions (a) and (b) continue for 7 seconds or more: (a) PTNK < 0.5 V (b) PTNK \geq 4.5 V | <ul style="list-style-type: none"> • Open or short in vapor pressure sensor circuit • Vapor pressure sensor • ECM |
| | After engine has started and when 10 seconds has passed away, conditions (c) and (d) continue for 7 seconds or more: (c) PTNK < 0.1 V (d) PTNK \geq 4.9 V | |

WIRING DIAGRAM

Refer to Evaporative Emission Control System Malfunction on page [DI-70](#).

INSPECTION PROCEDURE

HINT:

If DTC P0441, P0446 or P0450 is output after DTC P0440, first troubleshoot DTC P0441, P0446 or P0450. If no malfunction is detected, troubleshoot DTC P0440 next.

| | |
|---|--|
| 1 | Check voltage between terminals VC and E2 of ECM connector (See page DI-70 , step 9). |
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Check and replace ECM (See page [IN-27](#)).

OK

| | |
|---|---|
| 2 | Check voltage between terminals PTNK and E2 of ECM connector (See page DI-70 , step 10). |
|---|---|

OK

Check and replace ECM (See page [IN-27](#)).

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| | |
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| 3 | Check for open and short in harness and connector between the vapor pressure sensor and ECM (See page IN-27). |
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Repair or replace harness or connector.

OK

Replace vapor pressure sensor.