



**Warranty Extension: EGR Valve Contamination May Cause Engine Hesitation/Surge or DTC P1491**

(Supersedes 05-019, dated July 20, 2005, to update the information marked by the black bar)

**BACKGROUND**

NOTE: Because of a class action settlement, the warranty extension coverage for the EGR valve on 2002 MDXs purchased or leased between April 13, 2002, and November 7, 2006, is 8 years or **84,000 miles**, whichever occurs first. For more information, refer to Service Bulletin 06-050, *Warranty Extension: Vehicle Warranty Mileage*.

In some 2001–02 MDXs, the EGR valve can become contaminated. If this happens, the vehicle may hesitate or surge during light acceleration, and the MIL (malfunction indicator lamp) may come on with DTC P1491 (EGR valve insufficient lift).

Because of this possible problem, the EGR valve warranty is being extended to 8 years or 80,000 miles, whichever occurs first. For a vehicle to be eligible, the EGR valve malfunction must be confirmed with the inspection procedure in this bulletin.

**CUSTOMER NOTIFICATION**

Owners of affected vehicles were mailed a letter about the EGR 8/80 warranty extension. An example of the letter is at the end of this service bulletin.

**CORRECTIVE ACTION**

Test-drive the vehicle with the HDS connected to check the EGR valve. If needed, replace the valve, and clear any stored DTCs.

**PARTS INFORMATION**

EGR Valve Set: P/N 18011-PGK-A02  
(Contains EGR valve and EGR valve gasket)

**WARRANTY CLAIM INFORMATION**

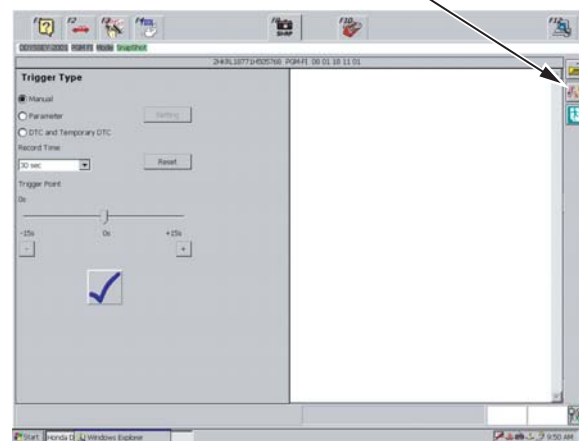
OP#	Description	FRT
125501	Two-person test-drive using the HDS to diagnose the EGR valve and clear any DTCs	0.6
121150	Replace the EGR valve	0.3

Failed Part: P/N 18011-PGK-A02  
Defect Code: 5KE00  
Symptom Code: P7600  
Skill Level: Repair Technician

**INSPECTION PROCEDURE**

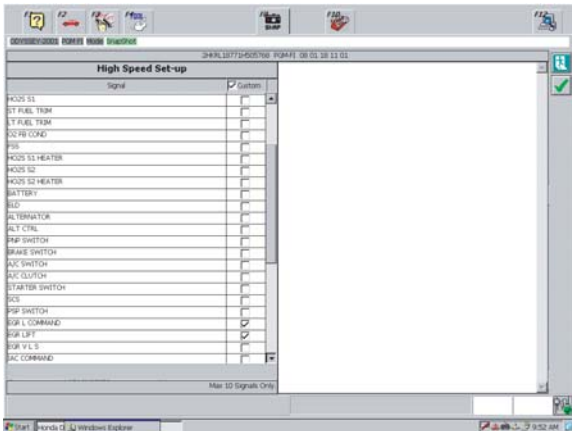
1. Verify that the HDS has software version 1.017.006 or later installed. Previous versions may not work.
2. Connect the HDS to the vehicle's 16P data link connector (DLC).
3. Turn the ignition switch to ON (II), and turn on the HDS.
4. At the screen prompts, enter the VIN and the odometer reading, then verify the correct date/time.
5. Select the **Mode Menu**. Then select **Honda Systems**.
6. From the **System Selection Menu** screen, select **PGM FI**.
7. From the **Mode Menu** screen, select **Snapshot**.
8. From the **Trigger Type** menu, select the **High Speed Set-up** button.

**HIGH SPEED SET-UP**



**CLIENT INFORMATION:** The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by “do-it-yourselfers,” and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Acura automobile dealer.

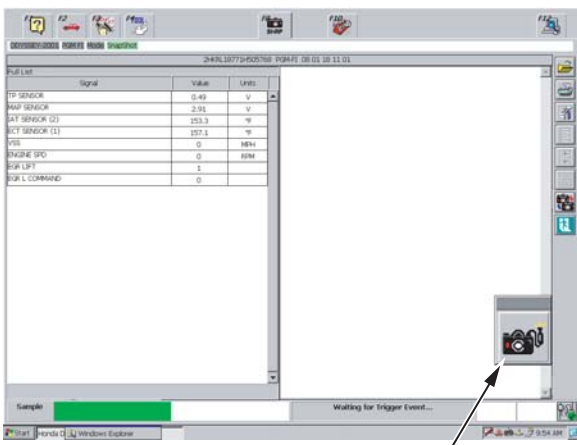
- From the **High Speed** menu screen, select these parameters: **Engine Speed, VSS, ECT Sensor, Map Sensor, TP Sensor, EGR-L-Command, and EGR LIFT**. Then select the green **Check** button.



- When the **Trigger Type** menu is displayed, select **Manual**, select **Record Time** for 30 seconds, and move the trigger point to the middle. Then select the **Blue Check** button. Make sure the defaulted trigger point is in the middle.

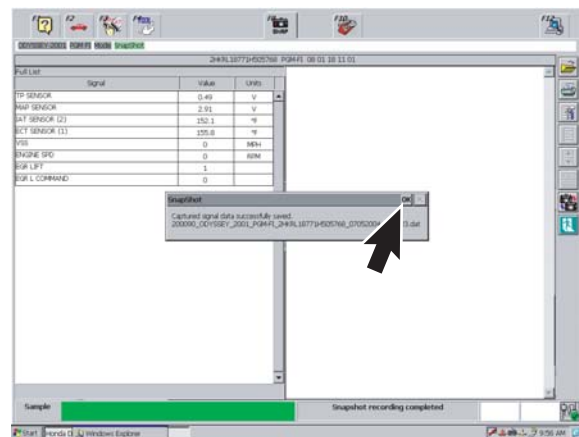
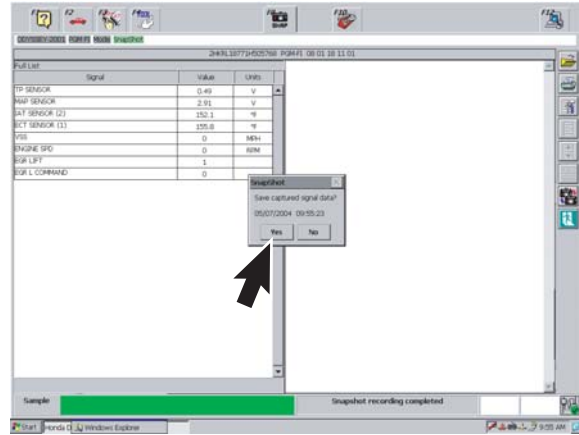
- With the engine completely warmed up, have an assistant drive the vehicle while you operate the HDS. Drive the vehicle between 40 and 55 mph on a smooth road. Apply light throttle with the transmission in 5th gear (between 1,500 and 2,000 rpm). If hesitation is felt, select the **Snapshot Manual Trigger** button.

NOTE: The snapshot must be done with two people so that one person can drive and the other can operate the HDS.

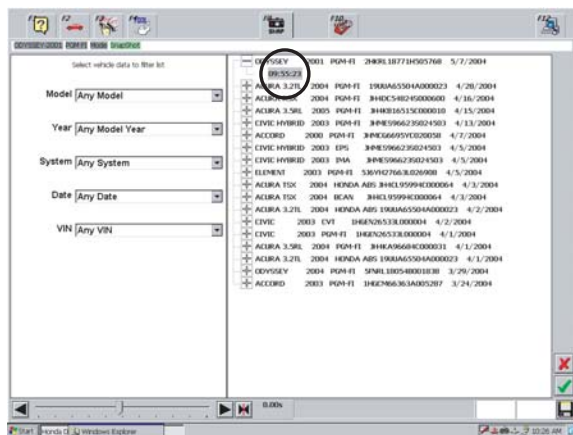
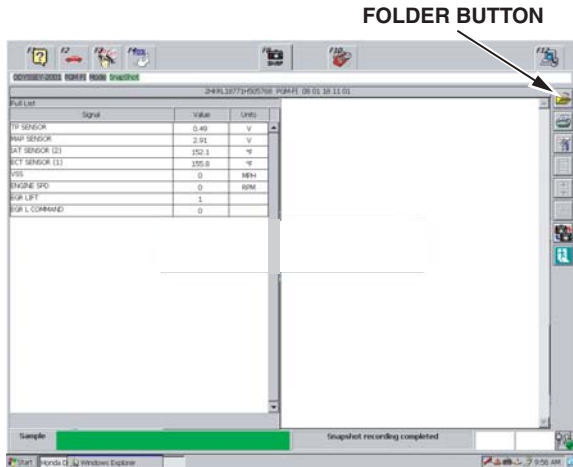


**SNAPSHOT MANUAL TRIGGER BUTTON**

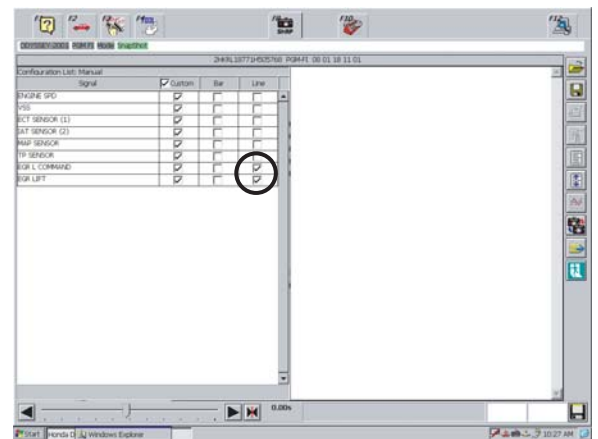
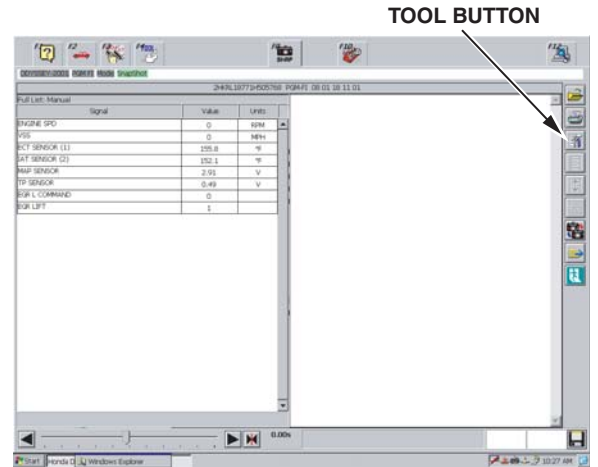
- When the drive is complete, the **Snapshot** dialog box is displayed. Select **Yes**, then select **OK**. This stores the snapshot.



13. Select the **Folder** button, then select the **Snapshot** you just created.

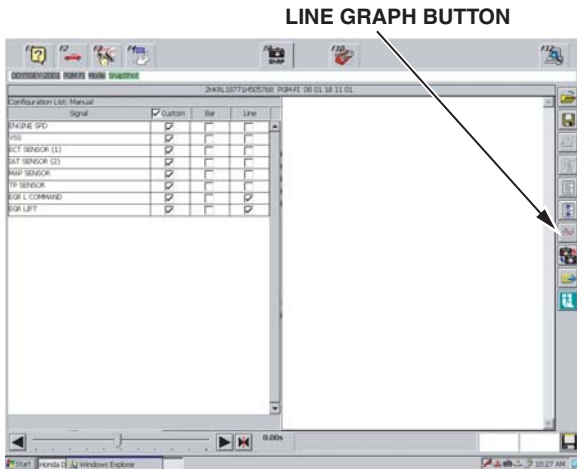


14. Select the **Tool** button. Under the line graph column, select **EGR L COMMAND** and **EGR LIFT**.

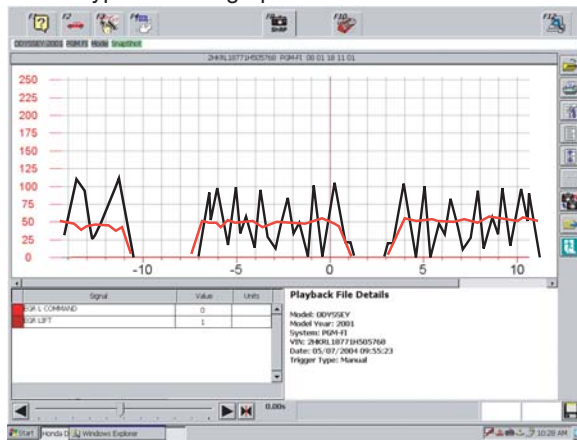


15. Select the **Line Graph** button.

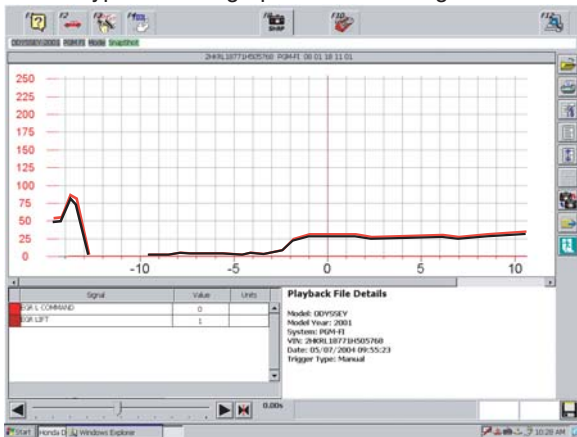
- If the **EGR LIFT** graph is different from the **EGR L COMMAND** graph, the EGR valve is bad. Go to **REPAIR PROCEDURE**.
- If the **EGR LIFT** graph follows the **EGR L COMMAND** graph, the EGR valve is OK. Continue with normal troubleshooting procedures.



This is typical of the graph if the EGR is bad:



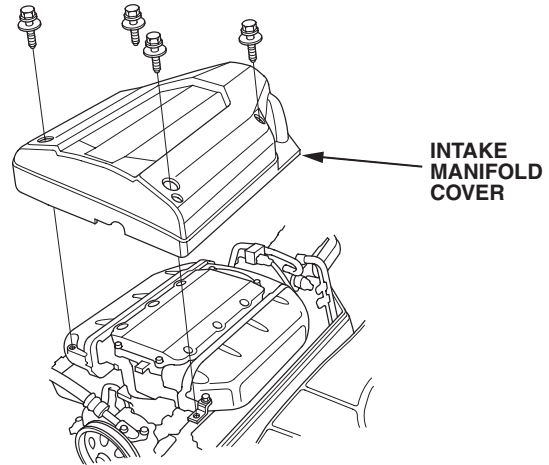
This is typical of the graph if the EGR is good:



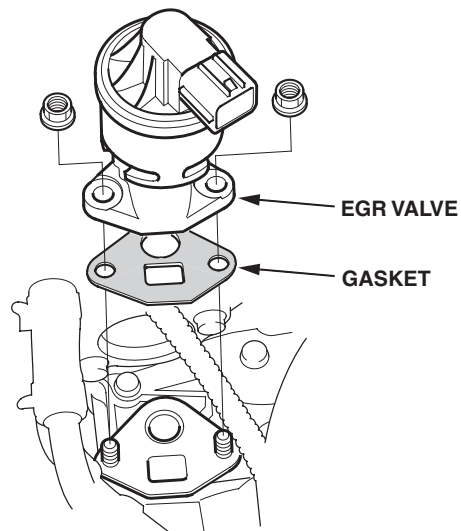
16. Clear any stored DTCs with the HDS.

## REPAIR PROCEDURE

1. Remove the intake manifold cover.



2. Remove the EGR valve.



3. Install the new gasket and the EGR valve. Torque the nuts to **22 N·m (16 lb-ft)**. Reconnect the EGR valve connector, and install the intake manifold cover.

Summer 2005

## Warranty Extension: EGR Valve

Dear MDX Owner:

In some 2001–02 MDXs, the exhaust gas recirculation (EGR) valve can become contaminated. If this happens, your vehicle may hesitate or surge during light acceleration, and the malfunction indicator lamp on the instrument panel may come on.

### Warranty Extension Details

To provide protection in the unlikely event your vehicle experiences this problem, we are extending the EGR valve warranty coverage to 8 years or 80,000 miles, whichever comes first. If your vehicle hesitates or surges during light acceleration and/or if the malfunction indicator comes on, take your vehicle to any Acura dealer for service. If the dealer determines the cause to be the EGR valve and, if your vehicle is within the warranty extension time or mileage, they will replace the EGR valve, *free of charge*.

### What to do if you feel this notice is in error

Our records show that you are the current owner or lessee of a 2001–02 MDX receiving the EGR valve warranty extension. If this is not the case, or the name/address information is incorrect, please fill out and return the enclosed, postage-paid *Information Change Card*. We will then update our records.

### If you have questions

If you have questions about this notice, or feel you may have paid for a repair that is covered by this warranty extension, please call Acura Client Services at (800) 382-2238.

Sincerely,

**American Honda Motor Co., Inc.**  
**Acura Automobile Division**