



Applies To: 1999 – 02 Odyssey – ALL

July 20, 2005

2003 Odyssey – From VIN 2HKRL18..3H500001 thru 2HKRL18..3H504511
and from VIN 5FNRL18..3B000001 thru 5FNRL18..3B067057
2003 Pilot – From VIN 2HKYF18..3H500001 thru 2HKYF18..3H567864

Warranty Extension: EGR Valve Contamination or EGR Port Clogging May Cause DTC P0401, DTC P1491, or Engine Hesitation/Surge (Replaces 00-009, Odyssey Warranty Extension: EGR Port Clogging, dated March 4, 2003)

BACKGROUND

In some 1999–03 Odysseys and 2003 Pilots, the EGR system may become contaminated or clogged. If this happens, the vehicle may hesitate or surge during light acceleration, and the MIL (malfunction indicator lamp) may come on with DTC P0401 (EGR insufficient flow) or P1491 (EGR valve insufficient lift).

Because of these possible problems, affected vehicles now have a warranty extension that covers EGR port clogging and/or EGR valve sticking.

Here are the details of the extended coverage:

- On 1999–01 Odysseys thru VIN 2HKRL18..1H586575, EGR port clogging and EGR valve sticking is covered for 8 years or 80,000 miles, whichever occurs first.
- On 2001 Odysseys after VIN 2HKRL18..1H586575, all 2002 Odysseys, 2003 Odysseys within the affected VIN ranges, and 2003 Pilots within the affected VIN range, EGR valve sticking is covered for 8 years or 80,000 miles, whichever occurs first.

For a vehicle to be eligible, the EGR valve malfunction must be confirmed with the hesitation/surge diagnosis in this bulletin, or the MIL must be on with DTC P0401 or P1491 stored.

VEHICLES PREVIOUSLY REPAIRED

To see if a vehicle was previously repaired according to S/B 00-009, do a VIN status inquiry. The warranty symptom code for vehicles repaired by S/B 00-009 is L38.

CUSTOMER NOTIFICATION

Depending on the vehicle and its problem, customers will be sent one of these letters:

Letter 1 is being sent to owners of 1999–00 Odysseys and 2001 Odysseys thru VIN 2HKRL18..1H586575.

These vehicles were not yet repaired according to S/B 00-009. This letter explains the 8/80 warranty extension. It also tells how EGR system contamination or clogging can cause engine hesitation or surging and cause the MIL to come on. The repair for these vehicles is to install an EGR pipe kit.

Letter 2 is being sent to owners of 1999–2001 Odysseys that were already repaired according to S/B 00-009, and all other vehicles within the affected VIN ranges. This letter explains the 8/80 warranty extension. It also tells how EGR valve contamination can cause engine hesitation or surging. The repair for these vehicles is to replace the EGR valve.

Examples of both letters are at the end of this service bulletin.

CORRECTIVE ACTION

On 1999–01 Odysseys thru VIN 2HKRL18..1H586575 **not yet** repaired according to S/B 00-009:

If DTC P0401 or P1491 is stored, or if the engine hesitate or surges, clean the EGR port, install an EGR pipe kit, and clear the DTC(s) with the HDS (see **REPAIR PROCEDURE B: EGR PORT CLEANING AND INSTALLATION OF EGR PIPE KIT**).

On 1999–01 Odysseys thru VIN 2HKRL18..1H586575 **already** repaired according to S/B 00-009, and all other vehicles within the affected VIN ranges:

Test-drive the vehicle with the HDS connected to check the EGR valve (see page 2). If needed, replace the valve, and clear any stored DTCs (see **DIAGNOSIS OF HESITATION/SURGE**).



CUSTOMER 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 Honda automobile dealer.

PARTS INFORMATION

For 1999–01 Odysseys thru VIN 2HKRL18..1H586575 **not yet** repaired according to S/B 00-009:

EGR Pipe Kit:

- 1999–00 – P/N 06175-P8F-A01, H/C 7374135
- 2001 – P/N 06175-P8F-A71, H/C 7374127

For 1999–01 Odysseys thru VIN 2HKRL18..1H586575 **already** repaired according to S/B 00-009, and all other vehicles within the affected VIN ranges:

EGR Valve Set: P/N 18011-PGK-A02, H/C 7382161
(Contains EGR valve and EGR valve gasket)

TOOL INFORMATION

NOTE: This tool kit was previously sent to your dealership for S/B 00-009. It's only needed on 1999–01 Odysseys thru VIN 2HKRL18..1H586575 **not yet** repaired according to S/B 00-009.

EGR Pipe Installation Kit: T/N 07ZAD-P8AA000
(Contains EGR pipe installation tool and drill bit)

WARRANTY CLAIM INFORMATION

1999–01 Odysseys thru VIN 2HKRL18..1H586575 not yet repaired according to S/B 00-009:

Operation Number: 120124

Flat Rate Time: 1.5 hours

Failed Part: P/N 18011-PGK-A02
H/C 7382161

Defect Code: 5KE00

Symptom Code: P7500

Skill Level: Repair Technician

1999–01 Odysseys thru VIN 2HKRL18..1H586575 already repaired according to S/B 00-009, and all other vehicles within the affected VIN ranges:

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
H/C 7382161

Defect Code: 5KE00

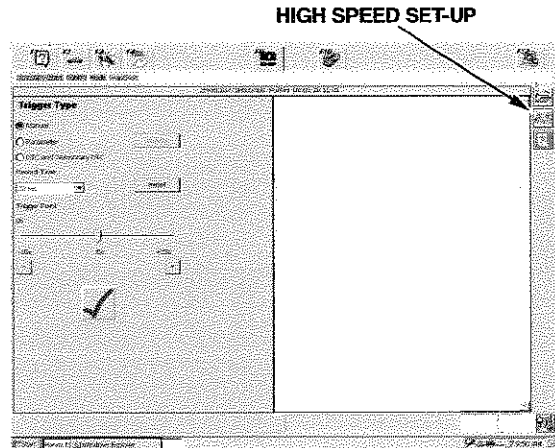
Symptom Code: P7500

Skill Level: Repair Technician

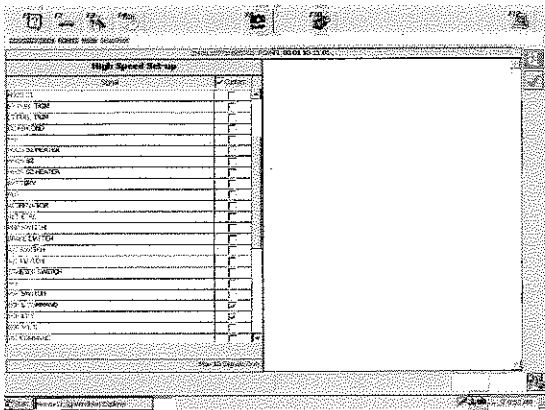
DIAGNOSIS OF HESITATION/SURGE

NOTE: If you are working on a 1999–01 Odyssey thru VIN 2HKRL18..1H586575 **not yet** repaired according to S/B 00-009, **do not do this diagnosis**; go to **REPAIR PROCEDURE B: EGR PORT CLEANING AND INSTALLATION OF EGR PIPE KIT**.

1. Verify that the HDS has software version 1.017.006 or later installed. Previous versions will not do this diagnosis.
2. Connect the HDS to the vehicle's 16P data link connector (DLC).
3. Turn the ignition switch to ON (II). Turn on the HDS.
4. At the screen prompts, enter the VIN and the odometer reading, and 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.



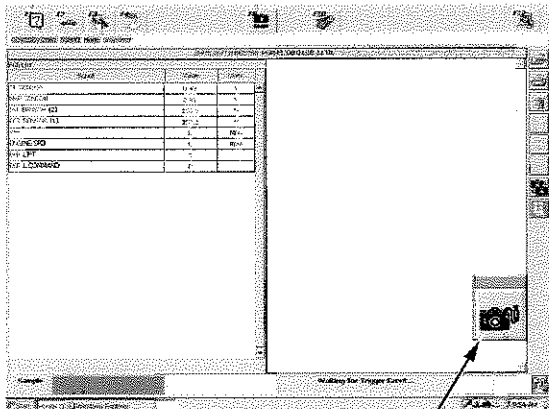
- From the **High Speed** menu screen, select these parameters: **Engine Speed**, **VSS**, **ECT Sensor**, **Map Sensor**, **TP Sensor**, **EGR-L-Command**, and **EGR LIFT**. Then select the green **Check** button.



- 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.

