



Applies To: **2004 Odyssey** – From VIN 5FNRL1...4B069047 thru 5FNRL1...4B138658

September 30, 2004

### Safety Recall: Odyssey Fuel Pump Connector (Supersedes 04-049, dated August 26, 2004)

#### BACKGROUND

During inspection and installation of the fuel tank, water may have been left in the fuel pump connector on the top of the fuel tank unit. Over time, this water could corrode the terminals in the connector, causing the engine not to start or to stall while driving.

#### CUSTOMER NOTIFICATION

All owners of affected vehicles will be mailed a notification of this recall. An example of the customer notification is at the end of this service bulletin.

Before beginning work, verify that the vehicle is eligible by checking at least one of these items:

- The customer has a notification letter.
- The vehicle is shown on your campaign responsibility report.
- The vehicle is shown as eligible on an *N* VIN status inquiry.

In addition to these verification items, check for a punch mark above the ninth character of the engine compartment VIN. A punch mark in that location means this safety recall campaign has already been completed.

Some vehicles affected by this recall are still in dealer inventory. **According to Federal law, those vehicles cannot be sold or leased until they are repaired.**

#### CORRECTIVE ACTION

Inspect the fuel pump connector for moisture or corrosion. If only moisture is present in the connector and there is no corrosion, dry the moisture in the connector with compressed air. If corrosion is present, replace the fuel tank unit, its locknut, its base gasket, its subharness, and the fuel line retaining clips.

#### PARTS INFORMATION

Fuel Pump Kit: P/N 17045-S0X-A50, H/C 7899016  
(Contains fuel tank unit, fuel line retainer clips, wire harness, locknut, and base gasket)

#### REQUIRED SPECIAL TOOLS

Fuel Sender Wrench: T/N 07AAA-S0XA100

#### WARRANTY CLAIM INFORMATION

OP#	Description	FRT	Template ID
305501	Inspect and dry the fuel pump connector	0.5	04-049A
306104	Inspect fuel pump connector; replace fuel tank unit, fuel line retainer clips, subharness, locknut, and base gasket	1.1	04-049B

Failed Part: P/N 17045-S0X-A32  
H/C 7651326

Defect Code: 5KB00

Symptom Code: P4300

Skill Level: Repair Technician

#### INSPECTION PROCEDURE

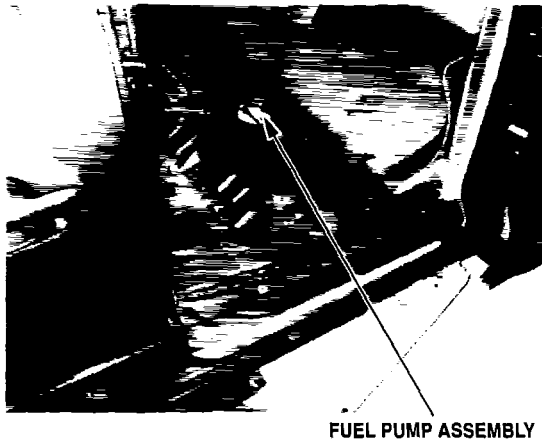
NOTE: Make sure the key is not in the ignition switch.

1. Remove the second row seats.
2. Remove the sliding door sill trims from both sides:
  - Refer to page 20-58 of the 1999–04 Odyssey Service Manual.
  - In ISIS, enter keyword **DOOR TRIM**, and select **INTERIOR TRIM REMOVAL/INSTALLATION - DOOR AREA** from the list.
3. Remove the second row seat striker covers:
  - Refer to page 20-65 of the 1999–04 Odyssey Service Manual.
  - In ISIS, enter keyword **SECOND SEAT**, and select **SECOND ROW SEAT STRIKER REPLACEMENT** from the list.

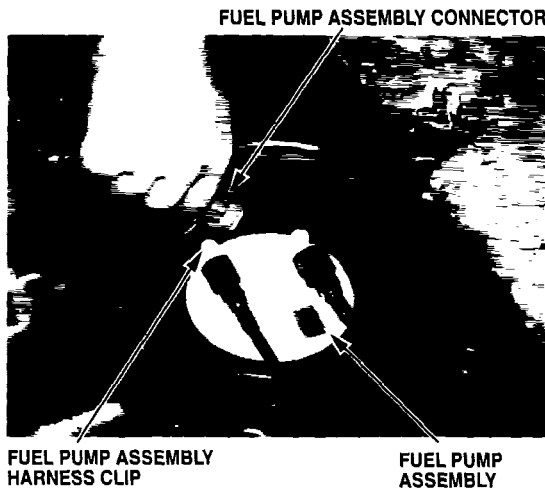


**CUSTOMER INFORMATION:** The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by "do-it-yourselfers," and you should not assume this 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.

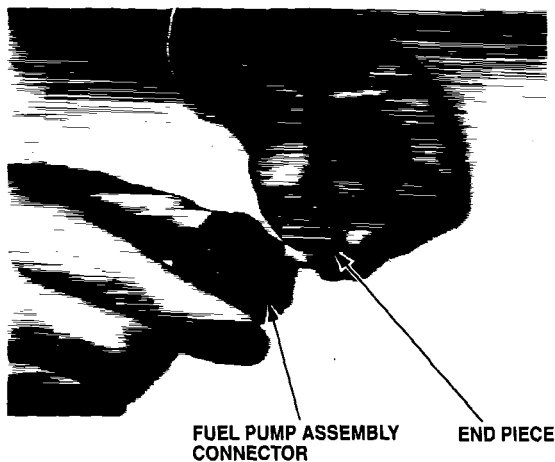
- Lift up the carpet, then remove the four screws that secure the fuel tank unit access panel, and remove the panel.



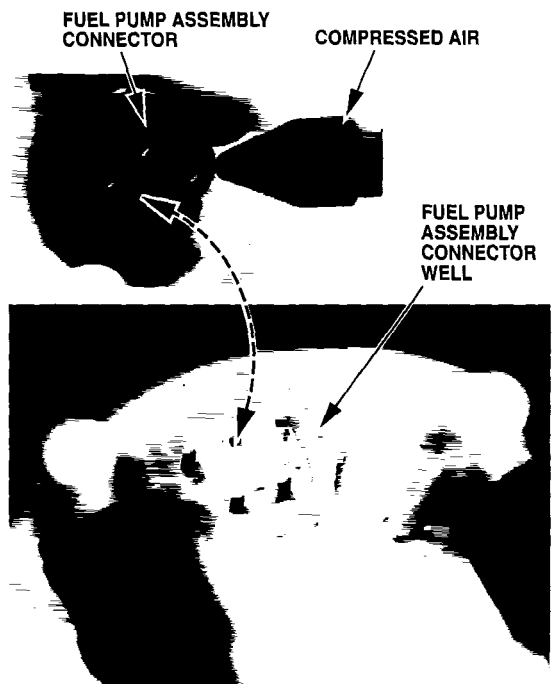
- Disconnect the fuel pump 5P connector from the top of the fuel tank unit, and detach the harness from the clip.



- Using a small screwdriver, pry the blue plastic end piece off the fuel pump connector.



- Use compressed air to check for moisture in the fuel pump connector and the fuel pump connector well. Carefully inspect the five terminals in the connector and the connector well for corrosion.
  - If there is no moisture or corrosion, reinstall all removed parts, then go to step 25 of **REPAIR PROCEDURE**.
  - If you find moisture without corrosion, use compressed air to thoroughly dry the connector well and the connector end. Reinstall all removed parts, and go to step 25 of **REPAIR PROCEDURE**.
  - If you find corrosion on any of the terminals, go to step 1 of **REPAIR PROCEDURE**.



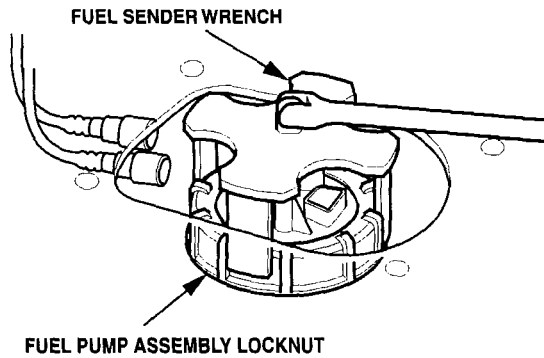
## REPAIR PROCEDURE

- Make sure you have the anti-theft code for the radio and navigation system (if equipped). Write down the customer's radio station presets.
- To relieve the residual fuel pressure, do this:
  - Make sure the fuel pump 5P connector is still disconnected.
  - Start the engine, and let it idle until it stalls.
  - Turn the ignition switch to LOCK (0).
  - Remove the fuel fill cap.
- Disconnect the negative cable from the battery.

4. Disconnect the two fuel line/quick-connect fittings from the fuel tank unit:

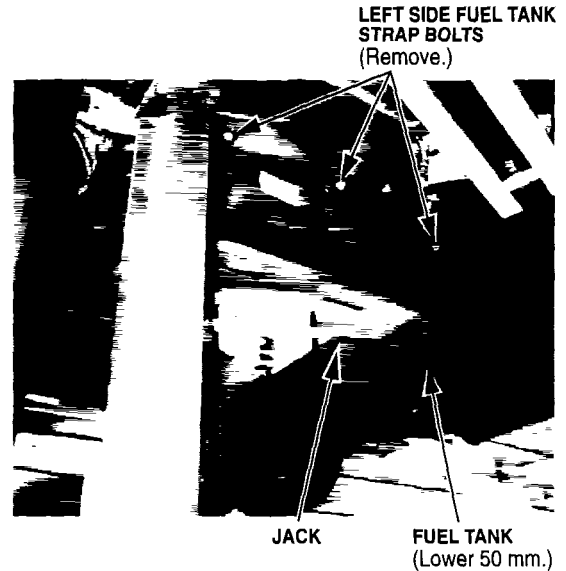
NOTE: The fuel line retainer clips must be replaced whenever the fuel lines are disconnected.

- Refer to pages 11-223 thru 11-226 of the 1999-04 Odyssey Service Manual.
  - In ISIS, enter keyword **FUEL LINE**, and select **FUEL LINE/QUICK-CONNECT FITTING PRECAUTIONS** from the list. After reviewing the precautions, select **FUEL LINE/QUICK-CONNECT FITTING REMOVAL** from the list.
5. Use the fuel sender wrench to remove the fuel tank unit locknut.



6. Remove the fuel tank unit and the packing gasket from the fuel tank. Discard the fuel tank unit, the base gasket, and the locknut.
7. Install the new packing gasket onto the fuel tank, then install the new fuel tank unit into the fuel tank.
8. Install the new fuel tank unit locknut, and torque it to 93 N·m (69 lb-ft).
9. Using new retainer clips, reconnect the fuel line/quick-connect fittings to the fuel tank unit. Check that the fuel line fittings are secure by pulling and pushing on the fuel line fittings.
10. Raise the vehicle on a hoist, and support the fuel tank with a suitable jack.

11. Remove the three fuel tank strap bolts from the left side of the fuel tank.

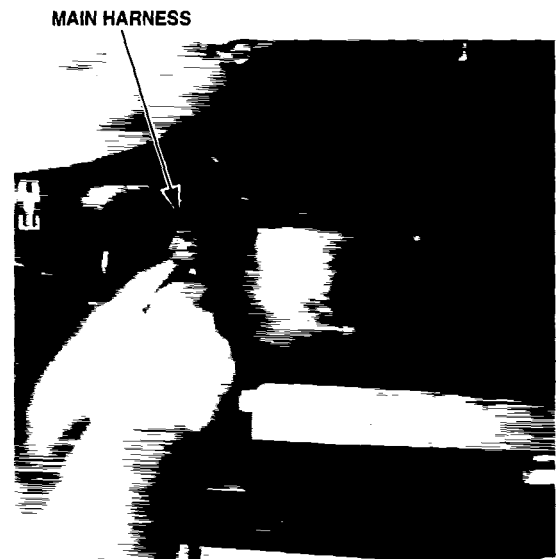


12. Carefully lower the fuel tank 50 mm to gain access to remove the fuel tank unit subharness. Do not stress the fuel lines or hoses when lowering the fuel tank.

#### NOTICE

*Failure to lower the fuel tank carefully to remove the fuel tank unit subharness can damage the fuel tank. Wiring harness clips are molded into the fuel tank. Improper stress on the clips can damage the fuel tank if proper procedures are not followed.*

13. Disconnect the fuel tank unit subharness from the main harness, and unclip the subharness connector from the fuel tank.

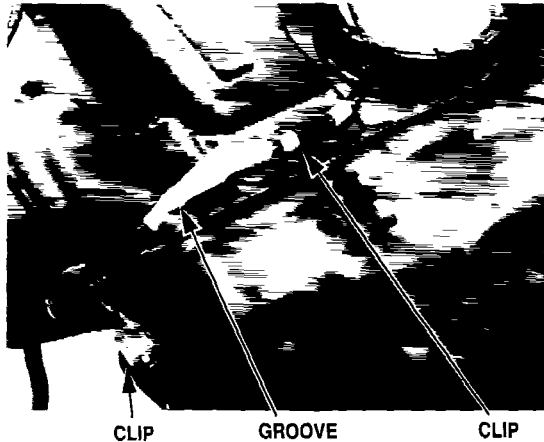


14. Release the fuel tank unit subharness from the clips on the fuel tank, and gently remove the subharness from the fuel tank.

Reach between the fuel tank and the body to remove the subharness.



*View of the top of the fuel tank showing the routing of the subharness*



15. Install the new fuel tank unit subharness onto the fuel tank, making sure to route the subharness properly into the groove on the fuel tank. Attach the subharness into the clip.



16. Connect the fuel tank unit subharness connector to the main harness connector, and attach the connector to the clip on the fuel tank.
17. Reinstall the three straps that secure the fuel tank. Torque the mounting bolts to 38 N·m (28 lb-ft).
18. Lower the vehicle, and reconnect the fuel pump 5P connector. Secure the subharness to the clip on the fuel pump assembly.
19. Reconnect the negative cable to the battery.
20. Turn the ignition switch to the ON (II) position, but do not operate the starter. The fuel pump runs for about two seconds; then turn the ignition switch to LOCK (0). Repeat this two or three times to raise the fuel line pressure, and then check the fuel system for leaks.
21. Install all other removed parts.
22. Do the idle learn procedure:
  - Make sure all electrical items (A/C, audio unit, defogger, lights, etc.) are off.
  - Start the engine, and let it warm up to its normal operating temperature (the cooling fans cycle twice).
  - Let the engine idle (throttle fully closed and all electrical items off) for **10 minutes**.

23. Initialize the driver's window auto-up feature:
  - Turn the ignition switch to ON (II).
  - Make sure the driver's window is fully closed.
  - Push down and hold the window switch until the window goes all the way down, then hold the switch for at least **2 more seconds**.
  - Pull back and hold the window switch until the window goes all the way up, then hold the switch for at least **2 more seconds**.
24. Enter the anti-theft code for the audio unit and for the navigation system (if equipped). Enter your customer's radio station presets, and set the clock.
25. Center-punch a completion mark above the ninth character of the engine compartment VIN.

Center-punch here.

**5FNRL1XXX4BXXXXX**

Fall 2004

### **Safety Recall: Odyssey Fuel Pump Connector**

Dear Odyssey Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

#### **What is the reason for this notice?**

Honda Motor Co., Ltd., has decided that a defect relating to motor vehicle safety exists in certain 2004 Odysseys. The fuel pump may fail due to corrosion of an electrical connector. If the pump stops working, the engine will stall without warning and a crash could occur.

#### **What should you do?**

Call any authorized Honda dealer and make an appointment to have your vehicle inspected. If needed, the dealer will install a fuel pump kit that includes a new fuel pump connector. This work will be done *free of charge*. Please plan to leave your vehicle for at least half a day to allow the dealer flexibility in scheduling.

#### **Who to contact if you experience problems.**

If you are not satisfied with the service you receive from your Honda dealer, you may write to:

American Honda Motor Co., Inc.  
 Honda Automobile Customer Service  
 Mail Stop 500-2N-7A  
 1919 Torrance Blvd.  
 Torrance, CA 90501-2746

If you believe that American Honda or the dealer has failed or is unable to remedy the defect in your vehicle, without charge, within a reasonable period of time (60 days from the date you first contact the dealer for a repair appointment), you may submit a complaint to:

Administrator  
 National Highway Traffic Safety Administration  
 400 Seventh St., SW  
 Washington, DC 20590

Or call the toll-free Auto Safety Hotline at (888) 327-4236.

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

Our records show that you are the current owner or lessee of a 2004 Odyssey involved in this campaign. If this is not the case, or the name/address information is not correct, please fill out and return the enclosed, postage-paid *Information Change Card*. We will then update our records.

#### **Lessor Information.**

Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within 10 days.

#### **If you have questions.**

If you have any questions about this notice, or need assistance with contacting a Honda dealer, please call Honda Automobile Customer Service at (800) 999-1009, and select menu option #2.

We apologize for any inconvenience this campaign may cause you.

Sincerely,

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