



Applies To: **2002-03 3.5 RL** – ALL
2004 3.5 RL – From VIN JH4KA96..4C000001 thru JH4KA96..4C005021
2002-03 NSX – ALL
2004 NSX – From VIN JH4NA..6.4T000001 thru JH4NA..6.4T000006

March 19, 2004

Fuel Fill Cap Binds and Possible MIL Comes On With DTC P1456

(Supersedes 04-001, Fuel Fill Cap Binds or MIL Comes On With DTC P1456, dated January 16, 2004)

SYMPTOM

The fuel fill cap is binding and, if not tightened fully, it may cause the MIL to come on and DTC P1456 (EVAP control system leakage, fuel tank system) to set.

PROBABLE CAUSE

The threads in the fuel fill pipe bind on the fuel fill cap.

CORRECTIVE ACTION

Replace the fuel fill pipe, and do an EVAP system function test with the HDS.

PARTS INFORMATION

Fuel Fill Pipe:

2002-04 3.5 RL: P/N 17660-SZ3-A50

2002-04 NSX: P/N 17660-SL0-A50

WARRANTY CLAIM INFORMATION

In warranty: The normal warranty applies.

OP#	Description	FRT
323503	Check for DTCs with the HDS	0.3
323503B	Do an EVAP system function test with the HDS	0.3
Replace the fuel fill pipe:		
310104	2002-04 3.5 RL (Repair Procedure A)	0.4
310104	2002-04 NSX (Repair Procedure B)	0.5

Failed Part: P/N 17660-SZ3-A50

Defect Code: 03214

Symptom Code: 03203

Skill Level: Repair Technician

Out of warranty: Any repair performed after warranty expiration may be eligible for goodwill consideration by the District Parts and Service Manager or your Zone Office. You must request consideration, and get a decision, before starting work.

DIAGNOSIS

Remove the fuel fill cap, reinsert it, then tighten it. The cap should turn, without resistance, until its O-ring touches the fuel fill pipe.

- If the cap turns freely, this service bulletin does not apply; continue with normal Evaporative System troubleshooting. (See section 11 of the appropriate Acura Service Manual.)
- If the cap binds or drags, go to **REPAIR PROCEDURE**.

REPAIR PROCEDURE A — 3.5RL

NOTE: Make sure the fuel tank is less than half full before starting this procedure.

1. Raise the vehicle on a lift, and remove the left rear wheel.

2. Remove the splash guard, the inner fender, and the evaporative emissions canister filter.

INNER FENDER



EVAPORATIVE EMISSIONS
CANISTER FILTER



3. Disconnect the three hoses from the fuel fill pipe.

BRACKET BOLT



Disconnect.

4. Remove the two fuel fill pipe bracket bolts, the fuel fill pipe, and the gasket.



FUEL FILL PIPE
BRACKET BOLT

FUEL FILL
PIPE GASKET

5. Install the new fuel fill pipe with the original bolts and fill pipe gasket.
6. Install the three hoses to the fuel fill pipe with the original clamps.
7. Install the evaporative emissions canister filter, the splash guard, the inner fender, and the wheel.
8. Connect the HDS to the vehicle's DLC (data link connector), and do the EVAP function test:
 - From the HDS main menu, select **Honda System**.
 - From the Honda System menu, select **PGM-FI**.
 - From the PGM-FI menu, select **Inspection**.
 - From the Inspection menu, select **EVAP Test**.
 - From the EVAP Test menu, select **Function Test**.
 - Follow the instructions on the screen.
9. Check the results of the EVAP function test.
 - If the vehicle passed the test, return it to the customer.
 - If the vehicle failed the test, do the DTC P1456 troubleshooting in section 11 of the 1996–01 3.5 RL Service Manual, and the 2003 3.5 RL Service Manual Supplement.

REPAIR PROCEDURE B — NSX

1. Raise the vehicle on a lift, and remove the left rear wheel.
2. Remove the air cleaner housing and the wiring harness bracket.

Remove this bracket.



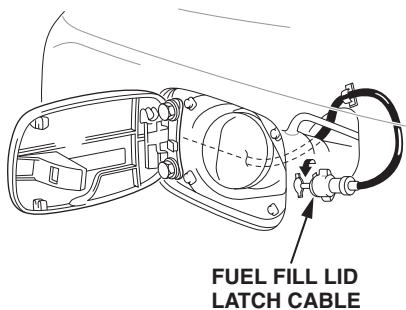
3. Disconnect the fuel fill pipe hoses, and remove the fuel fill pipe bracket bolts.

FUEL FILL PIPE
BRACKET BOLTS

FUEL FILL PIPE HOSES



4. Lower the driver's side rear inner fender, and remove the fuel fill lid latch cable by turning it 90 degrees.



5. Remove the fuel fill pipe gasket. Remove the fuel fill pipe through the fender opening.

FUEL FILL PIPE GASKET



6. Install the new fuel fill pipe, the gasket, and the cable. Reinstall the air cleaner housing, the wiring harness bracket, and the wheel.
7. Connect the HDS to the vehicle's DLC (data link connector), and do the EVAP function test:
 - From the HDS main menu, select **Honda System**.
 - From the Honda System menu, select **PGM-FI**.
 - From the PGM-FI menu, select **Inspection**.
 - From the Inspection menu, select **EVAP Test**.
 - From the EVAP Test menu, select **Function Test**.
 - Follow the instructions on the screen.
8. Check the results of the EVAP function test.
 - If the vehicle passed the test, return it to the customer.
 - If the vehicle failed the test, do the DTC P1456 troubleshooting in section 11 of the 1997 NSX Service Manual, and the 2002 and 2003 NSX Service Manual Supplements.