



Applies To: **2005 Pilot** – Check the iN VIN status for eligibility

**March 16, 2013**

## Safety Recall: VSA System Unexpectedly Activates

### BACKGROUND

There are two potential issues that may cause the VSA braking system to apply braking force even if the driver has not pressed the brake pedal. If the brakes are applied unexpectedly, it may increase the risk of a crash.

- Damage to an internal component could cause the VSA system to misinterpret the signal and may cause the VSA braking system to unexpectedly apply braking force.
- For vehicles with VINs beginning with 5FN, a ground bolt may be loose. Increased resistance caused by this loose ground bolt may cause the VSA braking system to unexpectedly apply braking force.

### CUSTOMER NOTIFICATION

Owners of affected vehicles will be sent a notification of this campaign in April 2013.

Do an **iN VIN status inquiry** to make sure the vehicle is shown as eligible.

Some vehicles affected by this campaign may be in your used vehicle inventory. These vehicles must be repaired before they are sold.

Should a dealership sell an unrepaired vehicle that subsequently causes an injury or damage because of the recalled item, the dealership will be solely responsible to the damaged party, and will be required to defend and indemnify American Honda for any resulting claims. To see if a vehicle in inventory is affected by this campaign, do a VIN status inquiry before selling it.

### CORRECTIVE ACTION

Install a subharness on all vehicles.

In addition, if the VIN begins with 5FN, inspect the ground bolt and tighten it to specification. If necessary, replace the bolt.

#### NOTE:

- **If the VIN begins with 2HK**, do only REPAIR PROCEDURE A.
- **If the VIN begins with 5FN**, you must do REPAIR PROCEDURE A and REPAIR PROCEDURE B.

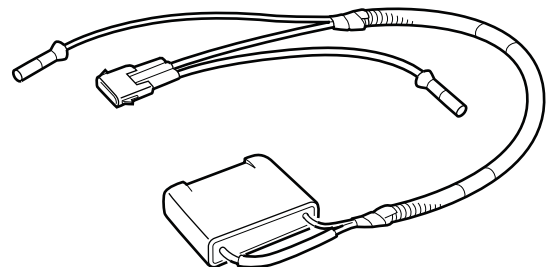
### PARTS INFORMATION

VSA Subharness: P/N 06326-SFE-000

Includes:

Subharness with Capacitor  
Wire Ties (4)  
3P Short Connector

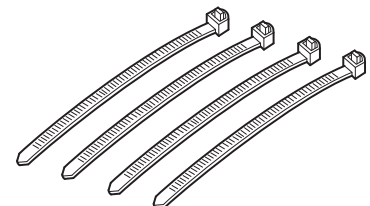
#### SUBHARNESS WITH CAPACITOR



#### 3P SHORT CONNECTOR



#### WIRE TIES



## TOOL INFORMATION

Service Tool Pack 1: T/N 06324-SFE-000

Includes:

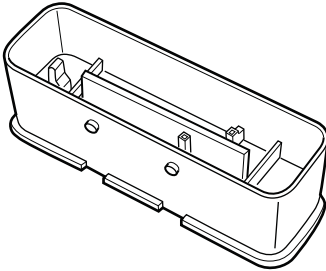
Lance Release Housing

Lance Release Tool

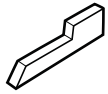
Extra Wire Ties

NOTE: The lance release housing should only be used 10 times before replacing it by ordering a new service tool pack.

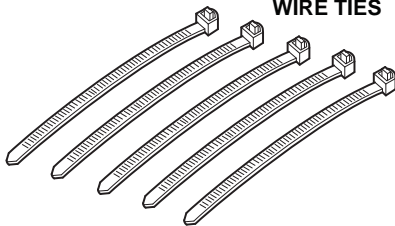
### LANCE RELEASE HOUSING



### LANCE RELEASE TOOL



### WIRE TIES



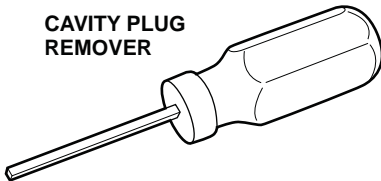
Service Tool Pack 2: 06325-SFE-000

Includes:

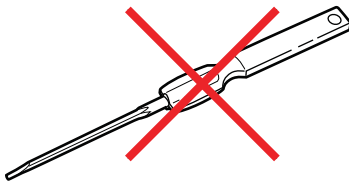
Cavity Plug Remover

Terminal Removal Tool (**DO NOT USE**)

### CAVITY PLUG REMOVER



### TERMINAL REMOVER TOOL (NOT USED)



## WARRANTY CLAIM INFORMATION

**For VINs beginning with 2HK,** use the following warranty claim information.

Operation Number: 7370D2

Flat Rate Time: 0.4 hour

Failed Part: P/N 57110-S9V-A61

Defect Code: 5VU00

Symptom Code: S8800

Skill Level: Repair Technician

**For VINs beginning with 5FN,** use the following warranty claim information.

Operation Number: 7370D3

Flat Rate Time: 0.5 hour

Failed Part: P/N 57110-S9V-A61

Defect Code: 5VG00

Symptom Code: S8700

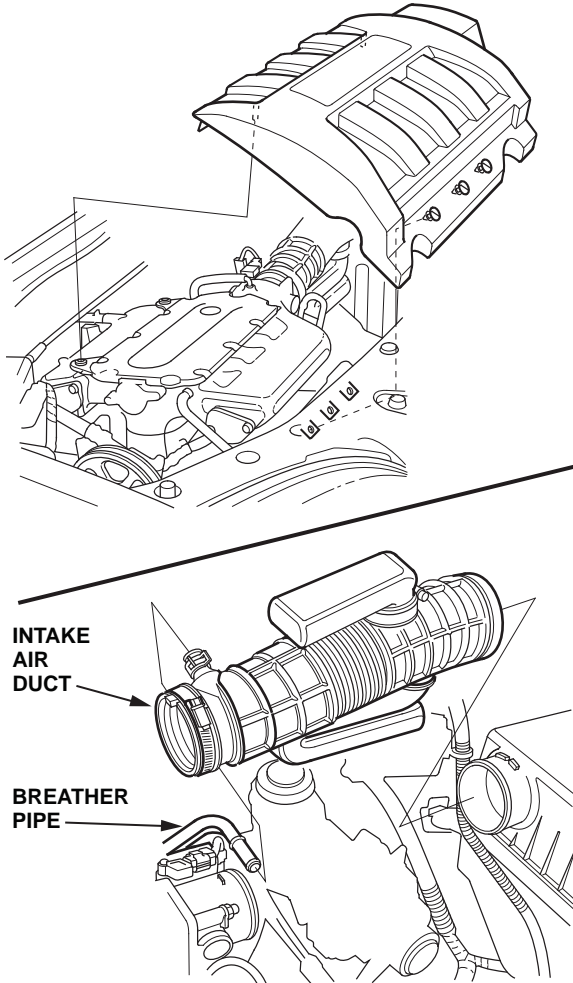
Skill Level: Repair Technician

## REPAIR PROCEDURE A

### NOTE:

- If the VIN begins with 2HK, do only REPAIR PROCEDURE A.
- If the VIN begins with 5FN, you must do REPAIR PROCEDURE A and REPAIR PROCEDURE B.

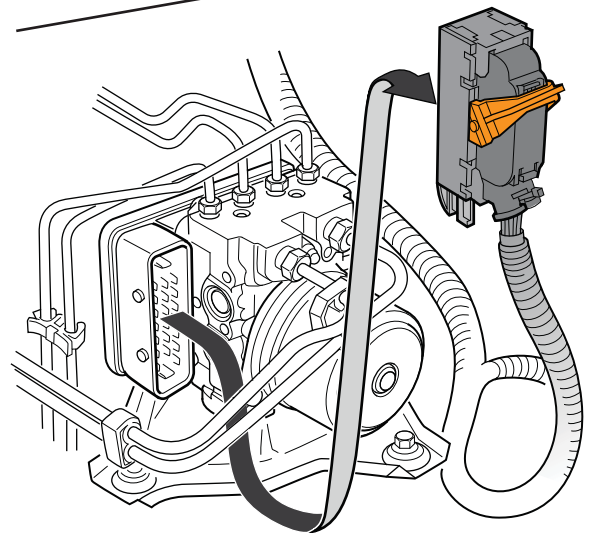
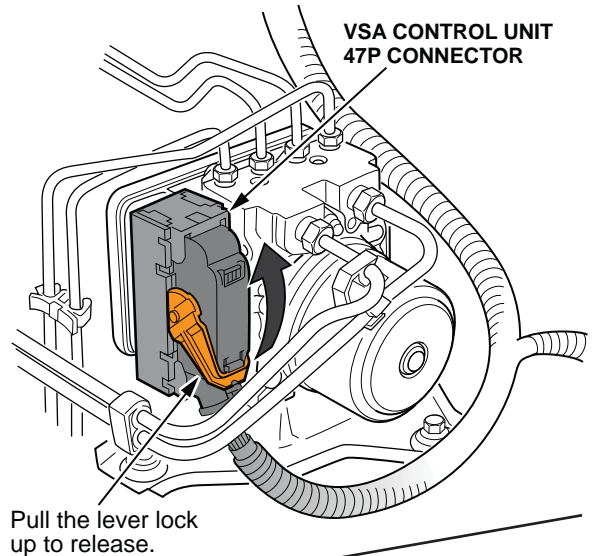
1. Turn the ignition switch to LOCK (0).
2. Remove the engine cover and the intake air duct.



3. Disconnect the VSA control unit 47P connector.

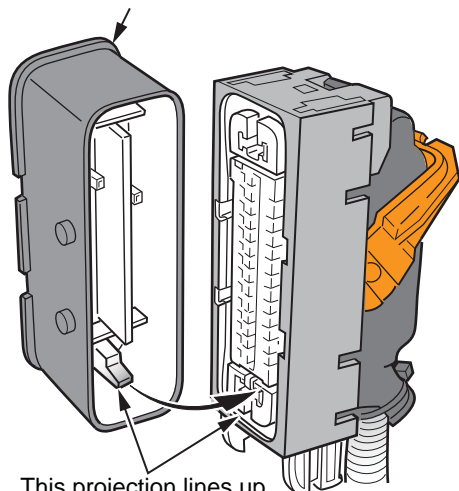
### NOTE:

- Do not force the lever because if you break it, the entire harness must be replaced. Make sure that you press the release tab before trying to move the lever. If needed, wiggle the connector while moving the lever to release the sliding mechanism in the connector.
- Disconnect the harness clips as needed to access the harness.



4. Insert the lance release housing into the 47P connector.

**LANCE RELEASE HOUSING**



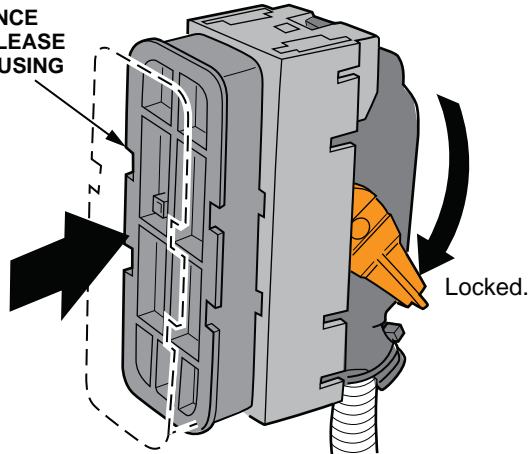
This projection lines up with the receiver at the bottom of the connector.

5. Rotate the lever to the locked position. The lance release housing is fully drawn into the connector and clicks into place.

**NOTE:**

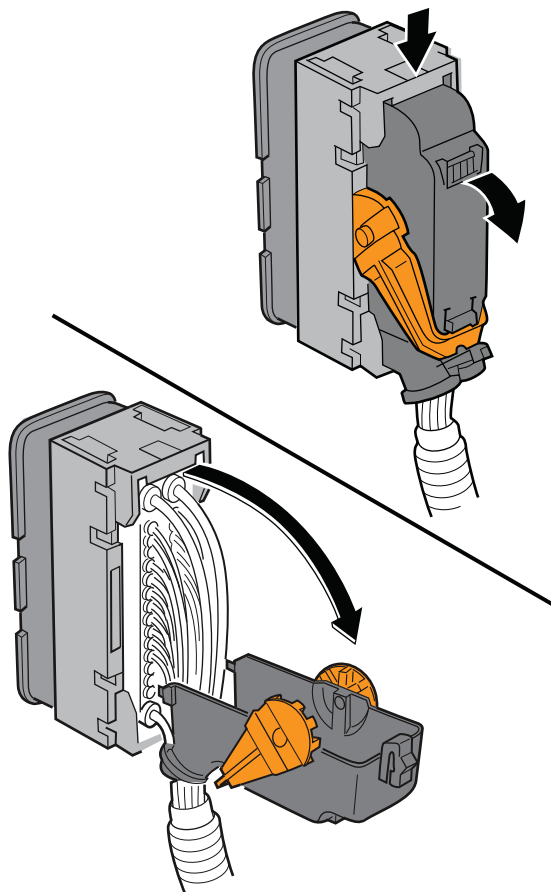
- Do not apply excessive force.
- If the lever sticks or will not move smoothly, return the lever to its original position, recheck the position of the lance release housing, and try again.

**LANCE RELEASE HOUSING**



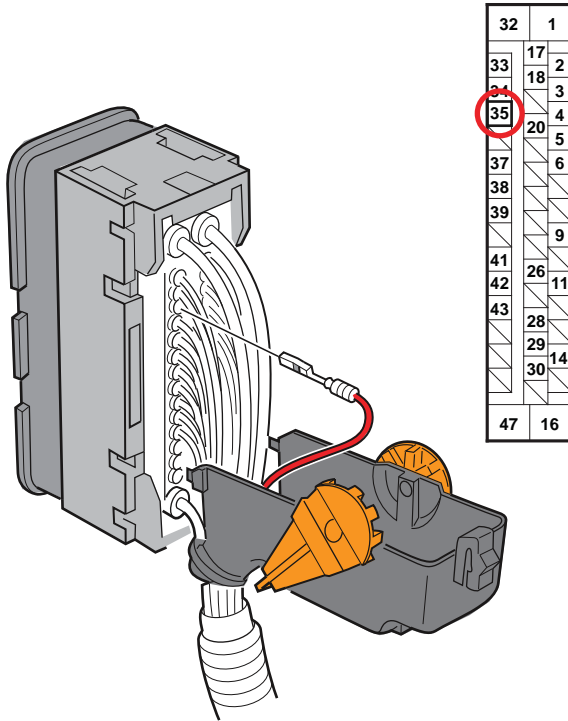
6. Use a small screwdriver to unlock and remove the lever assembly from the 47P connector.

Press to release lever assembly.

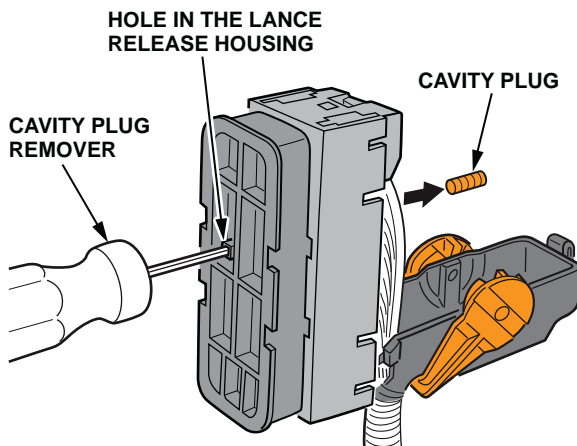


7. Remove the No. 35 red wire from the connector while pushing up on the lance release housing.

NOTE: Take note of the orientation of the notch in the terminal when it comes out because you'll insert the new terminal the same way.



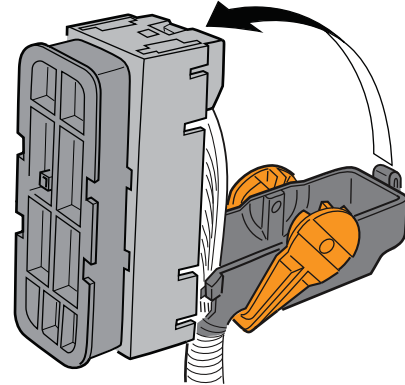
8. Insert the cavity plug remover into the hole in the lance release housing, and push out the plug from the No. 22 cavity.



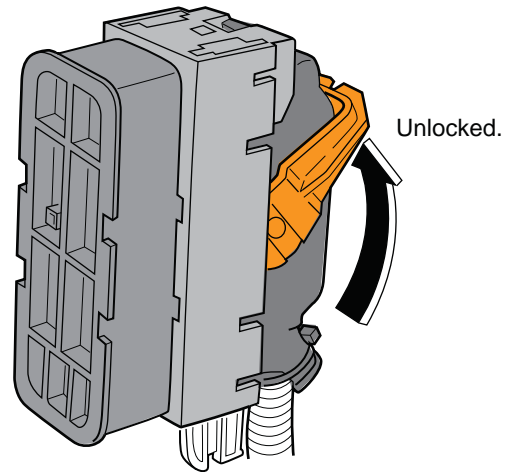
9. Install the lever assembly onto the 47P connector as shown.

NOTE:

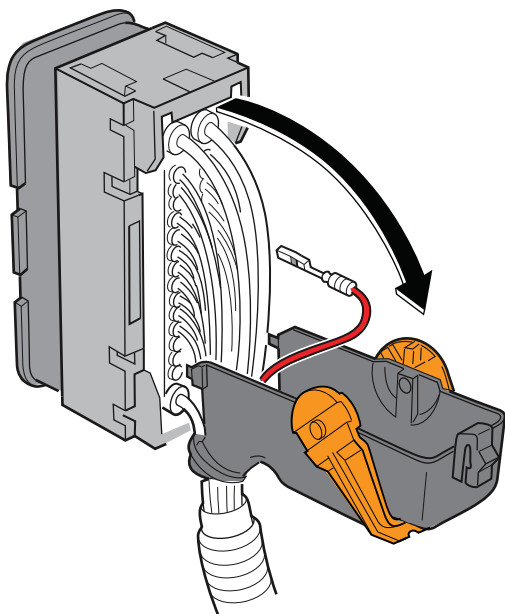
- Make sure the harness is not pinched.
- Make the lever is properly aligned.



10. Rotate the lever to the unlocked position. The lance release housing also moves into the unlocked position.



11. Using a small screwdriver, unlock and remove the lever assembly from the 47P connector.



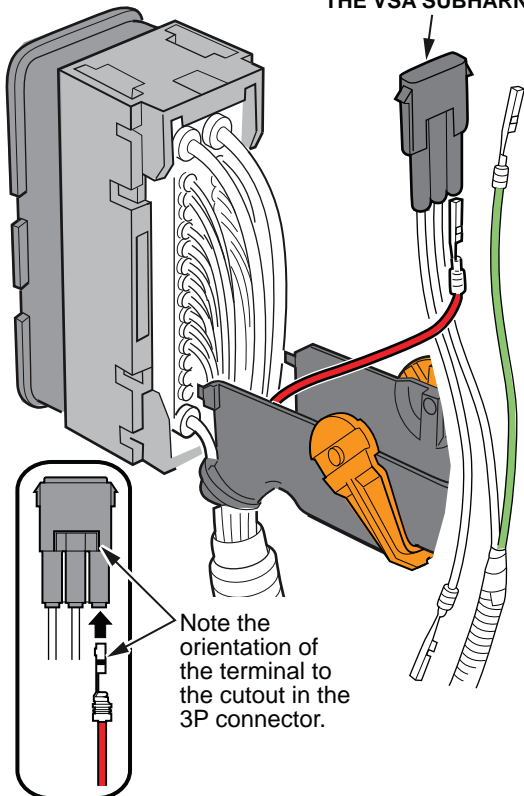
12. Install the VSA subharness.

> Subharness with Capacitor

**NOTE:**

- Make sure the terminal and connector are properly oriented; the notched part of the terminal should be aligned as shown.

**3P CONNECTOR OF THE VSA SUBHARNES**

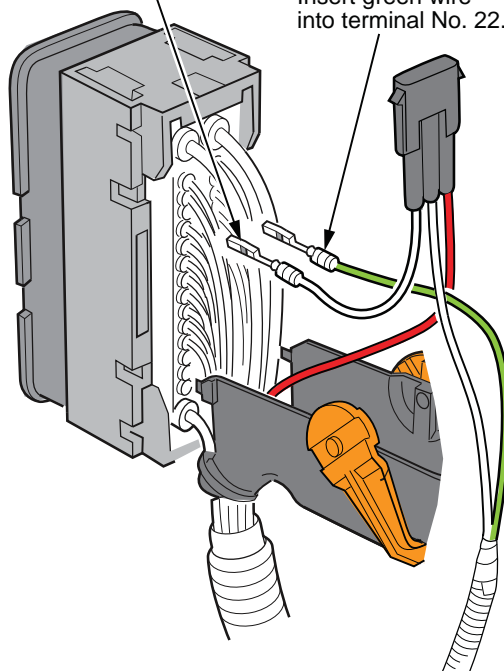


Note the orientation of the terminal to the cutout in the 3P connector.

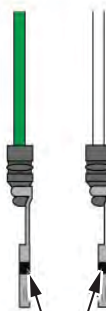
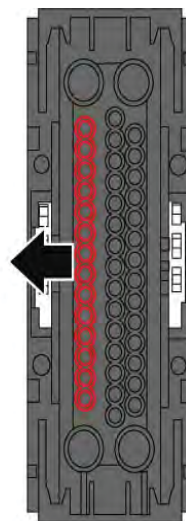
- Do not force the terminal into the connector to avoid damaging the terminals.
- You may hear a click when the terminal (red wire) is seated in the 3P connector.
- After inserting the terminal (red wire) into the 3P connector, gently pull on the wire to make sure it is locked into place.
- Insert the red wire that was removed from terminal No. 35 into the 3P connector of the VSA subharness.
- Insert the VSA subharness white wire into the VSA control unit 47P connector terminal No. 35.
- Insert the VSA subharness green wire into the VSA control unit 47P connector terminal No. 22.

Insert white wire into terminal No. 35.

Insert green wire into terminal No. 22.



32	1
33	17
34	18
35	20
37	22
38	26
39	28
41	29
42	30
43	14
47	16

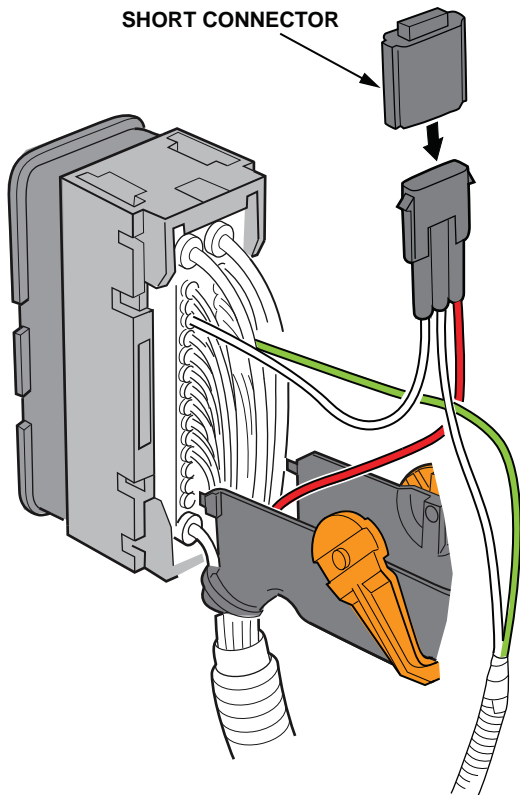


**NOTCHED PART OF THE TERMINAL**



13. Install the short connector to the 3P connector.

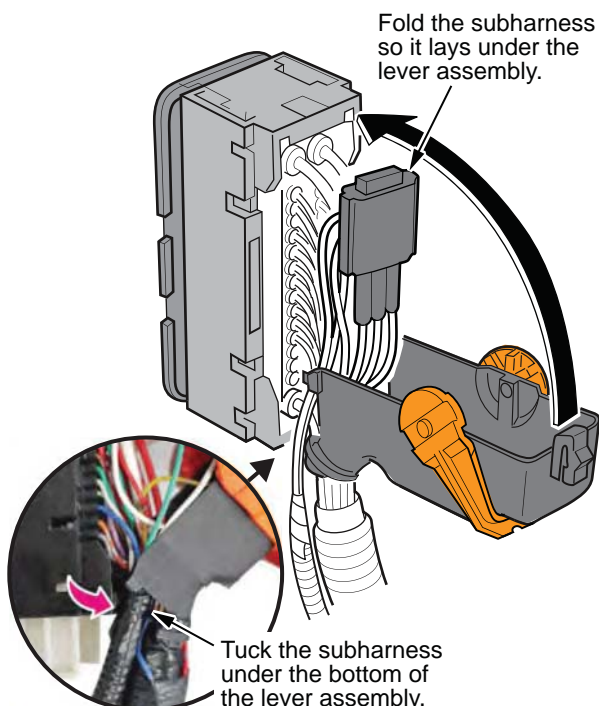
> 3P Short Connector



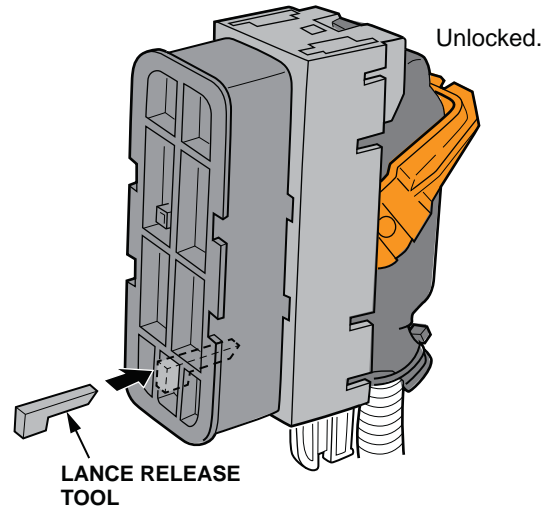
14. Lay out the subharness as shown, then install the lever assembly.

NOTE:

- Make sure the harness is not pinched.
- Make sure the lever is properly aligned.

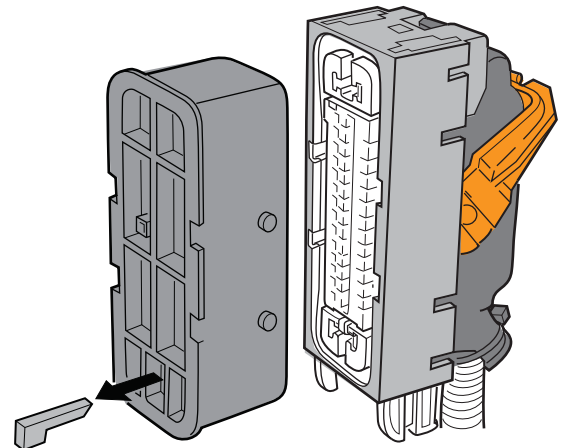


15. Make sure the lance release housing is in the unlocked position, then fully insert the lance release tool into the hole as shown.

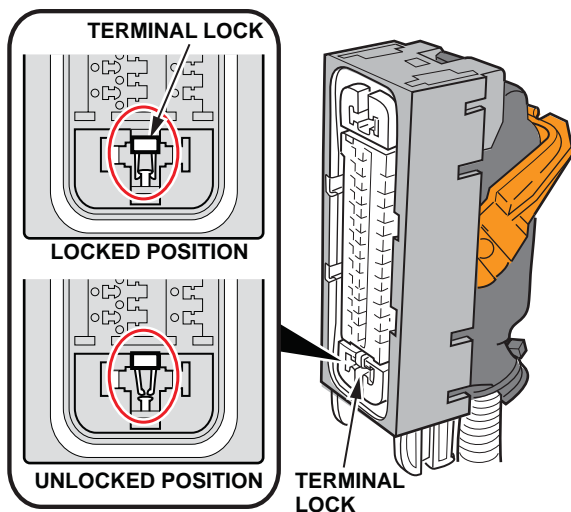


16. Remove the lance release tool, then remove the lance release housing.

NOTE: You may have to slightly squeeze the ends of the connector to remove the lance release housing.

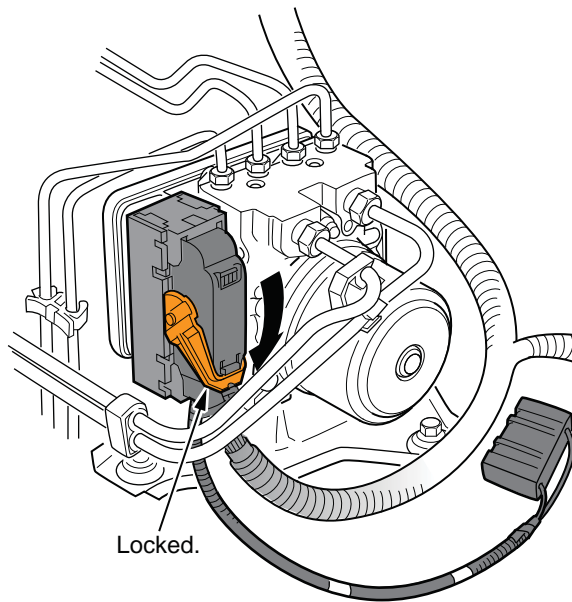


17. Inspect the terminal lock to make sure it is in the locked position.



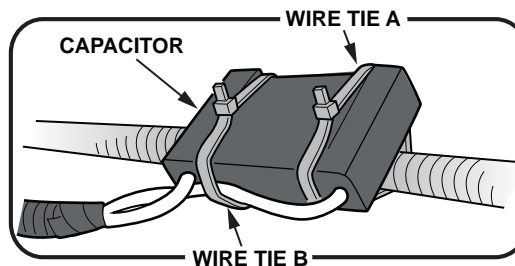
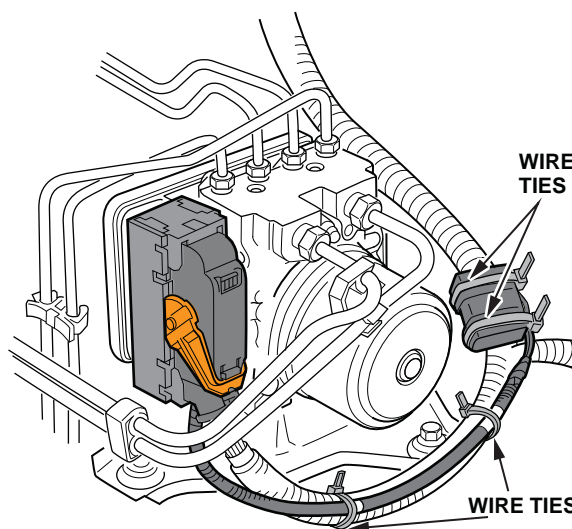
18. Reconnect the 47P connector to the VSA modulator by making sure it is properly aligned, then rotating the lever to the lock position.

19. Route the subharness as shown. Use the two wire ties provided in the kit to secure the capacitor to the wire harness.



- Wrap wire tie A around the capacitor and the vehicle harness only. Do not wrap it around the VSA subharness.
- Wrap wire tie B around the capacitor, the vehicle harness, and the VSA subharness.

> Wire Tie (2)

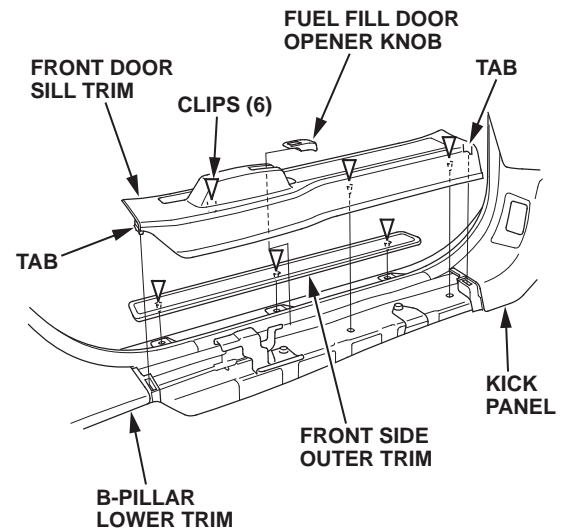




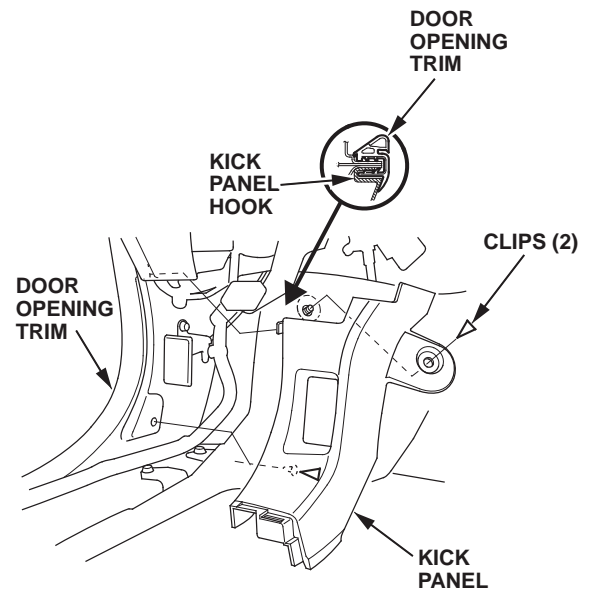
20. Secure the VSA subharness to the vehicle harness in the area of the white tape as shown, then reconnect any disconnected wire harness clips.  
 > Wire Tie (2)
21. Reinstall the intake air duct and the engine cover.
22. Start the engine and make sure the VSA warning light goes off.

## REPAIR PROCEDURE B

1. Remove the fuel fill door release knob.



2. Remove the driver's front door sill trim.
3. Remove the driver's kick panel.



4. Remove the G302 bolt.



G302

5. Inspect the bolt for the following issues:

- Corrosion
- Damage
- Cross-threading
- The bolt is a regular bolt, not a ground bolt
  - If the bolt has any of the above issues, replace it before going to step 6.
  - If the ground bolt does not have any of the listed issues, it is OK. Go to step 6.

**GROUND BOLT**



6. Check the ground terminal on the harness and the mounting surface on the body for the following:
- Corrosion
  - Damage
  - Excess paint
  - Cross-threading
    - If the ground terminal on the harness or the mounting surface has any of the above issues, repair it before going to step 7.
    - If the ground terminal on the harness and the mounting surface are OK, go to step 7.
7. Reinstall the G302 bolt and torque between **6.9 - 11.8 N•m (5.1 - 8.7 lb-ft)**.
8. Reinstall the driver's kick panel.
9. Reinstall the driver's front door sill trim and the fuel fill door release knob.
10. Start the engine and make sure the VSA warning light goes off.