



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

June 29, 2013

Safety Recall: VSA System Unexpectedly Activates

(Supersedes 13-026, dated March 22, 2013, to revise the information marked by the black bars)

REVISION SUMMARY

- Under REPAIR PROCEDURE, steps 9 and 10 were updated.
- An example of the customer letter was added.

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 VSA modulator-control unit 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 were sent a notification of this campaign in April 2013. An example of the customer notification is attached to this service bulletin.

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 VSA 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.

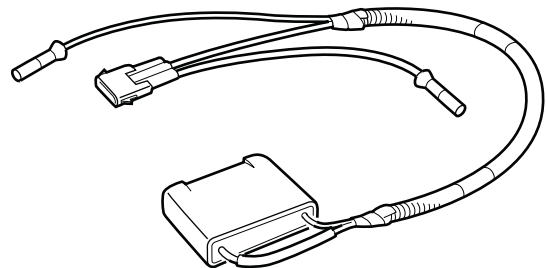
PARTS INFORMATION

VSA Subharness: P/N 06326-SFE-000

Includes:

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

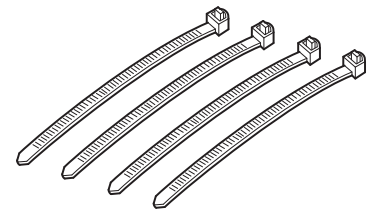
SUBHARNESS WITH CAPACITOR



3P SHORT CONNECTOR



WIRE TIES



TOOL INFORMATION

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

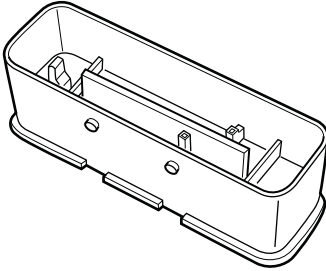
Includes:

- Lance Release Housing
- Lance Release Tool
- Extra Wire Ties

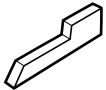
NOTE:

- The lance release housing should only be used 10 times before replacing it by ordering a new service tool pack.
- Order replacements for Tool Pack 1 through normal parts ordering.

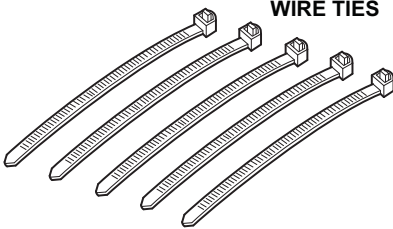
LANCE RELEASE HOUSING



LANCE RELEASE TOOL



WIRE TIES



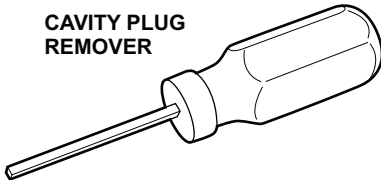
Service Tool Pack 2: 06325-SFE-000

Includes:

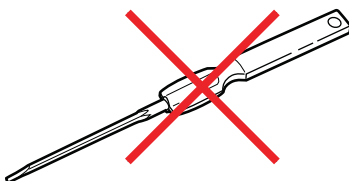
- Cavity Plug Remover

NOTE: Each dealership received a Service Tool Pack 2. Use the tool number if you need to order replacements; your dealership is responsible for the costs.

CAVITY PLUG REMOVER



(NOT USED)



WARRANTY CLAIM INFORMATION

NOTE: Service Tool Pack 1 can be used to repair 10 vehicles. Under the **Materials Information** section of the claim template, enter a value of \$1.63 to cover the cost of Tool Pack 1.

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

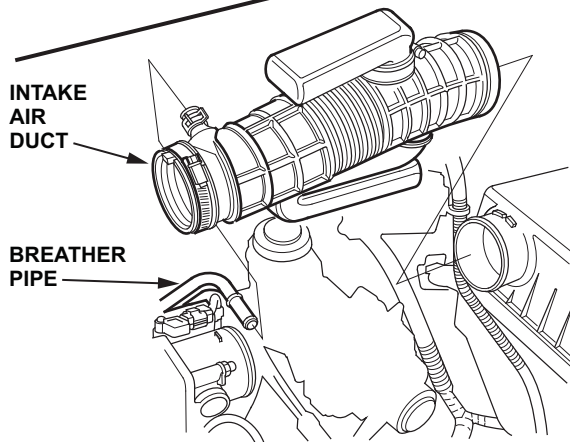
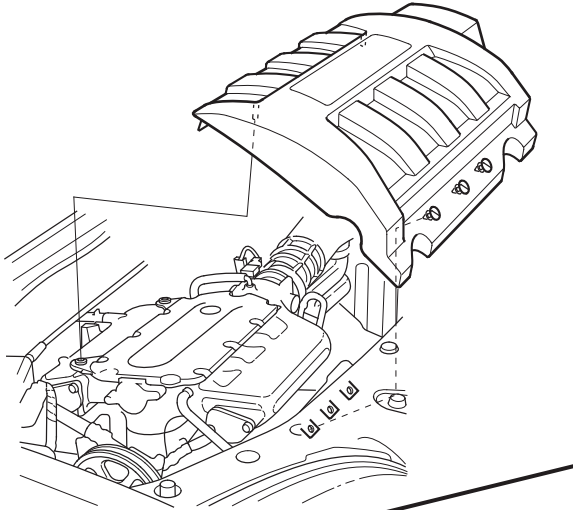
Skill Level: Repair Technician

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.

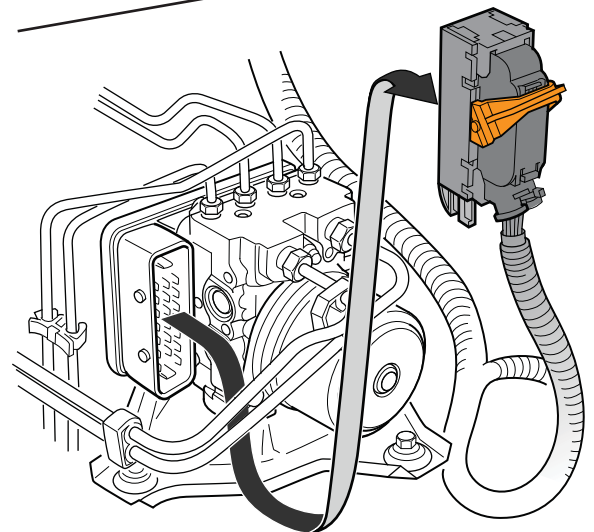
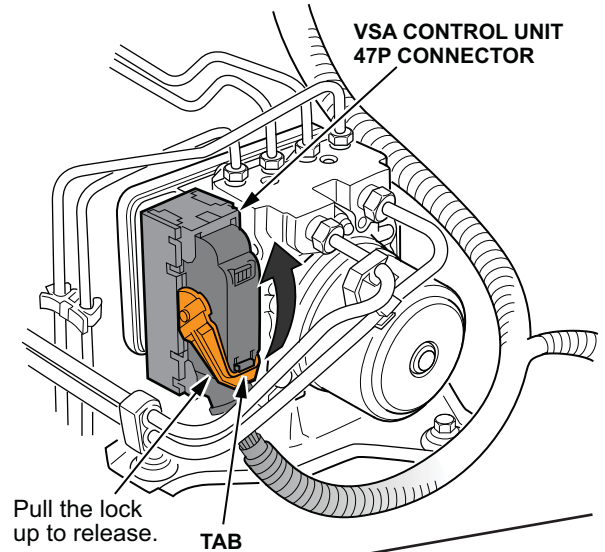
1. Turn the ignition switch to LOCK (0).
2. Remove the engine cover and the intake air duct.



3. Disconnect the VSA modulator-control unit 47P connector.

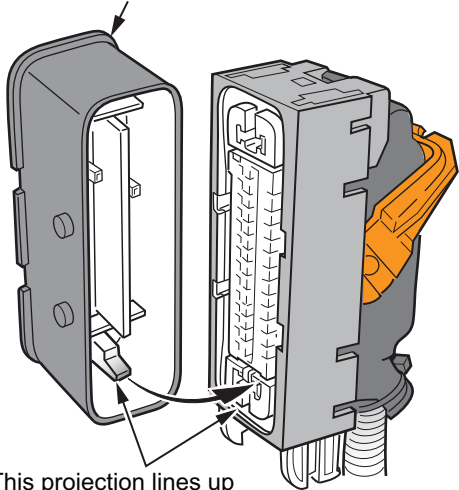
NOTE:

- Do not force the lock because if you break it, the entire harness must be replaced. Make sure that you press the release tab before trying to move the lock. If needed, wiggle the connector while moving the lock 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



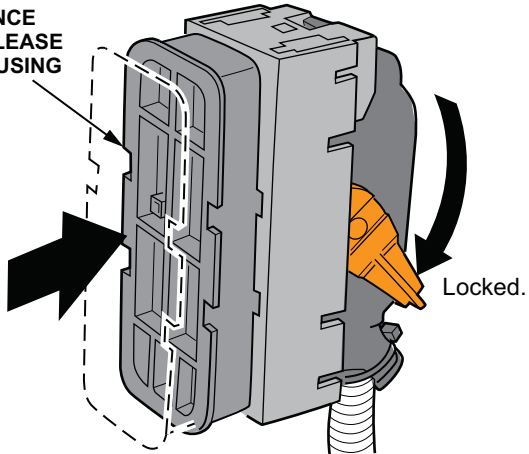
This projection lines up with the primary lock at the bottom of the connector.

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

NOTE:

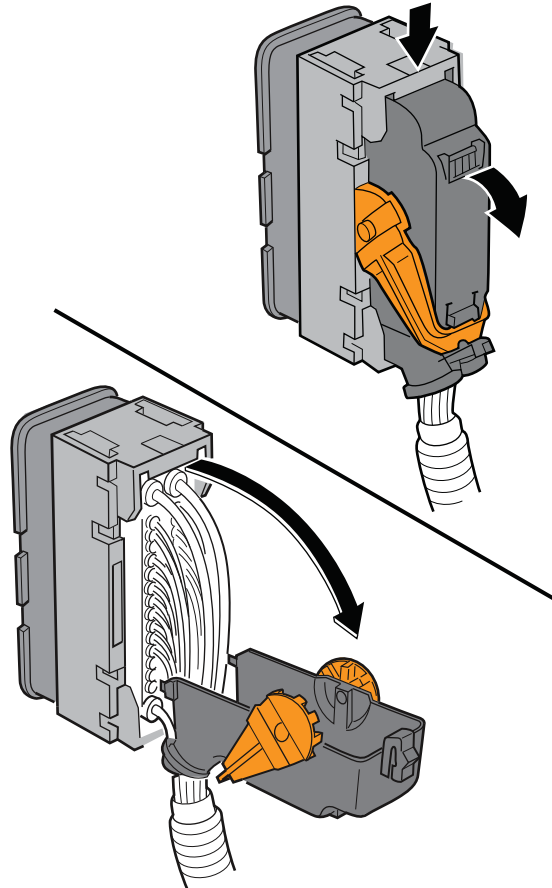
- Do not apply excessive force.
- If the lock sticks or will not move smoothly, return the lock to its original position, recheck the position of the lance release housing, and try again.

LANCE RELEASE HOUSING



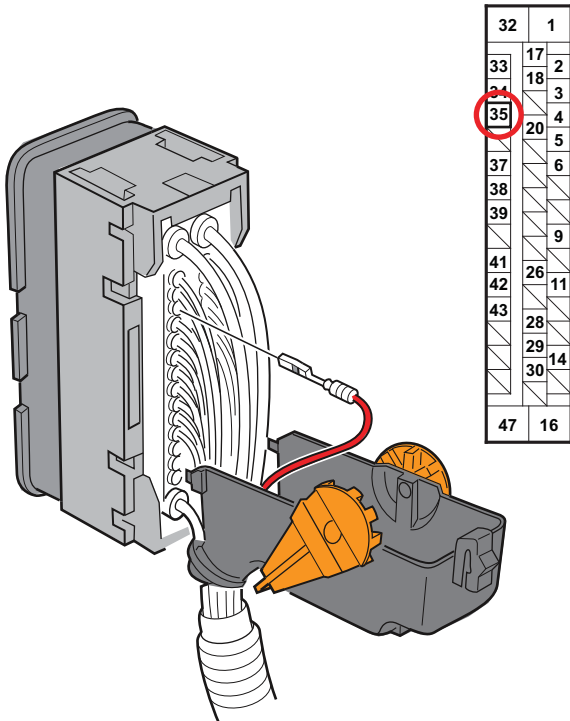
6. Use a small screwdriver to unlock and remove the lock assembly from the 47P connector.

Press to release lock assembly.

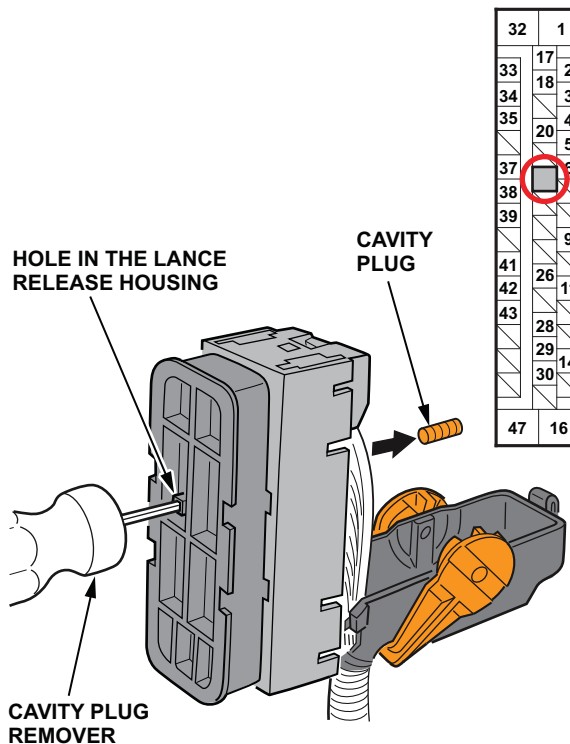


- Remove the No. 35 red wire terminal from the connector while pushing up on the lance release housing.

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.



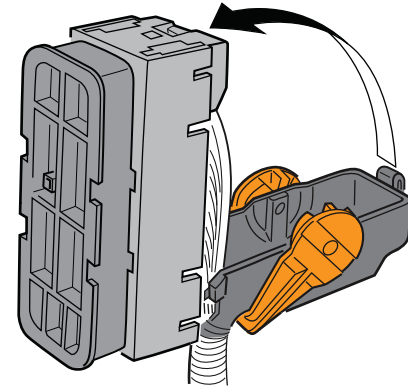
- Insert the cavity plug remover into the hole in the lance release housing as shown, and push out the plug from the No. 22 cavity.



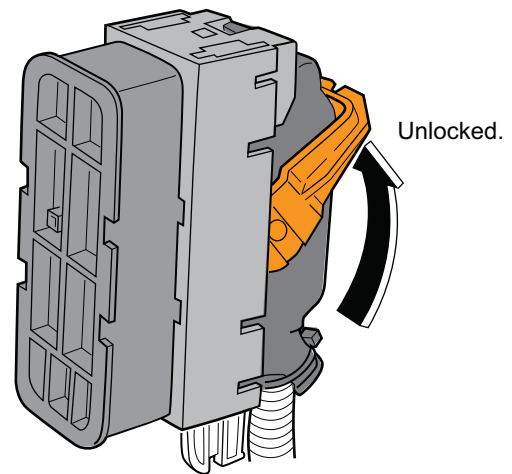
- Tuck the loose terminal and wire into the housing, then install the lock assembly onto the 47P connector as shown.

NOTE:

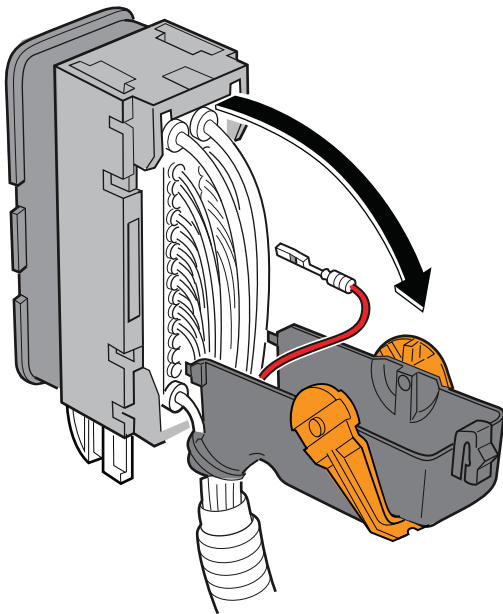
- Make sure the harness and the wire are not pinched.
- Make sure the lock is properly aligned.



- Press the lock release tab, then move the lock to the unlocked position. The lance release housing also moves into the unlocked position.



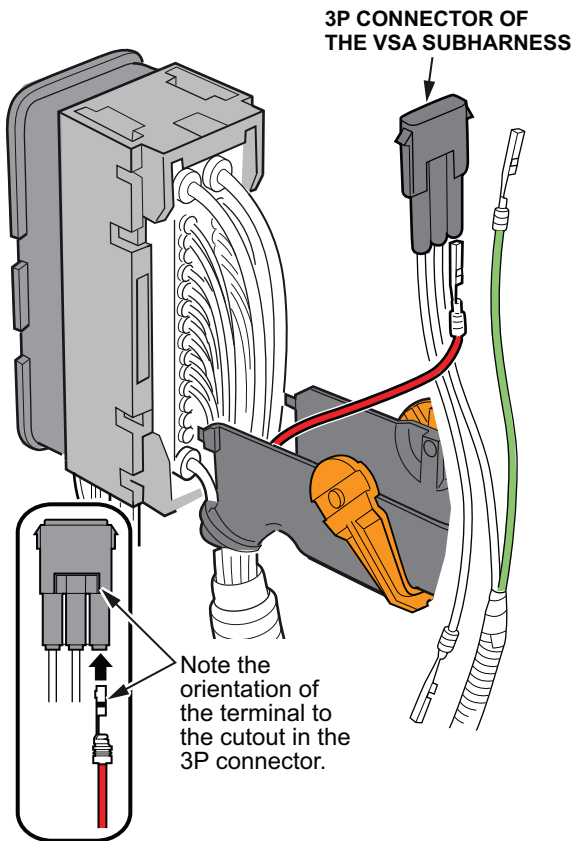
11. Using a small screwdriver, unlock and remove the lock assembly from the 47P connector.



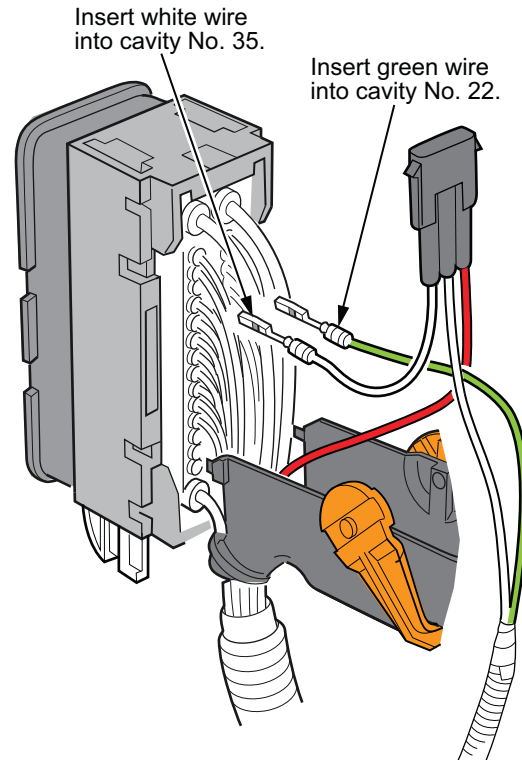
12. Install the VSA subharness.
 > Subharness with Capacitor

NOTE:

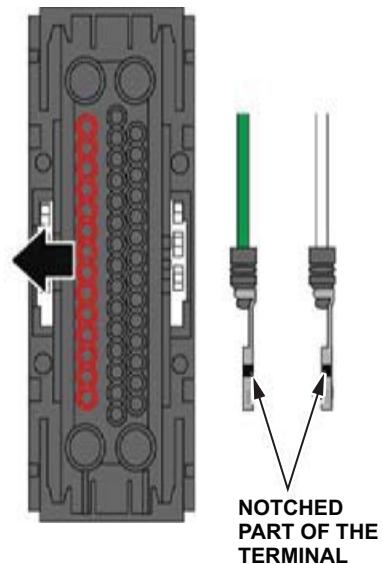
- Make sure the terminal and connector are properly oriented; the notched part of the terminal should be aligned as shown.



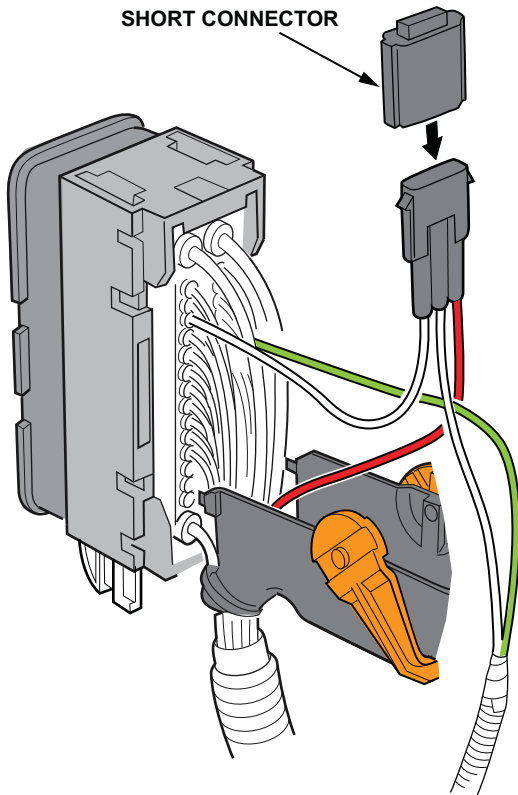
- Do not force the terminal into the connector to avoid damaging the terminals.
- You may hear a click when the terminal (red wire) is seated in the 3P connector.
- After inserting the terminal (red wire) into the 3P connector, gently pull on the wire to make sure it is locked into place.
- Insert the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



32	1
33	17
34	18
35	2
36	3
37	4
38	5
39	20
40	6
41	22
42	9
43	26
44	11
45	28
46	29
47	14
48	30
49	16



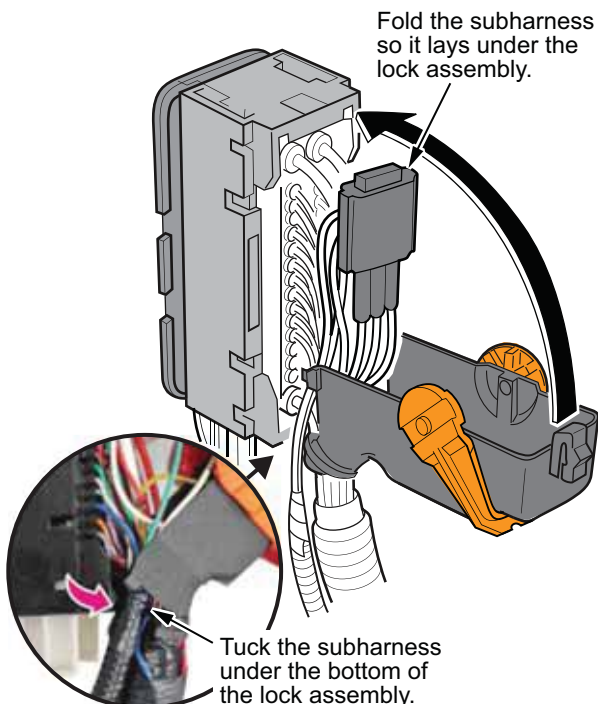
13. Install the short connector to the 3P connector.
 > 3P Short Connector



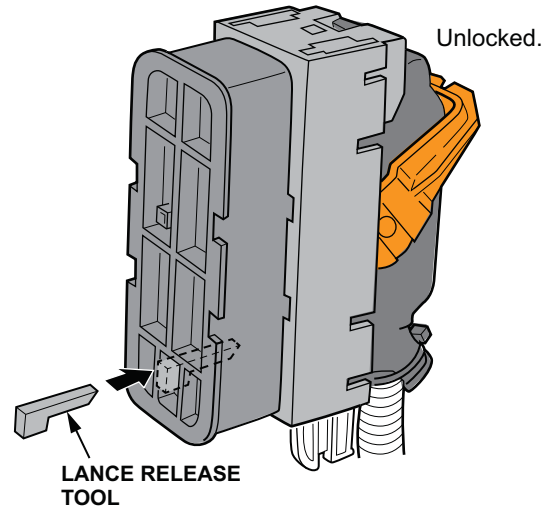
14. Lay out the subharness as shown, then install the lock assembly.

NOTE:

- Make sure the subharness is not pinched.
- Make sure the lock is properly aligned.

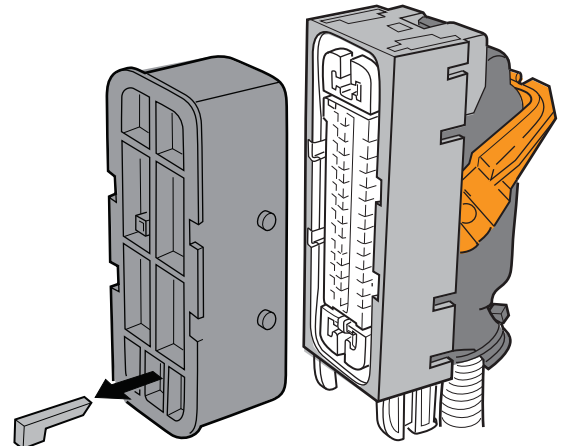


15. Make sure the lance release housing is in the unlocked position, then fully insert the lance release tool into the hole as shown.

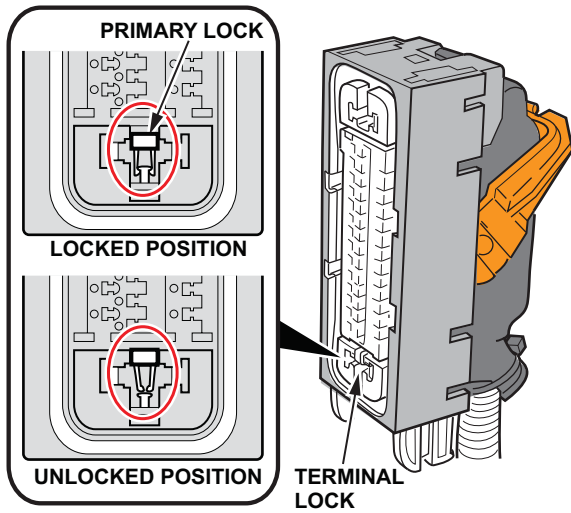


16. Remove the lance release tool, then remove the lance release housing.

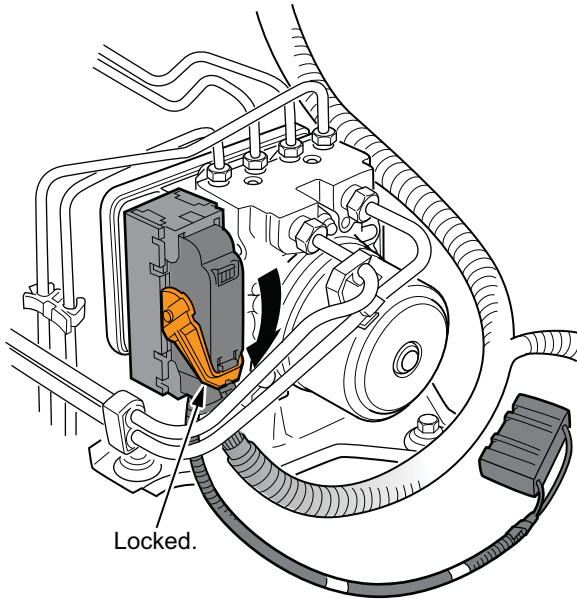
NOTE: You may have to slightly squeeze the ends of the connector to remove the lance release housing.



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



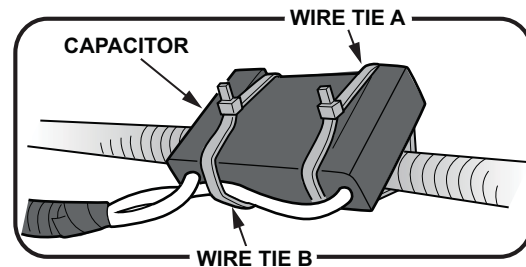
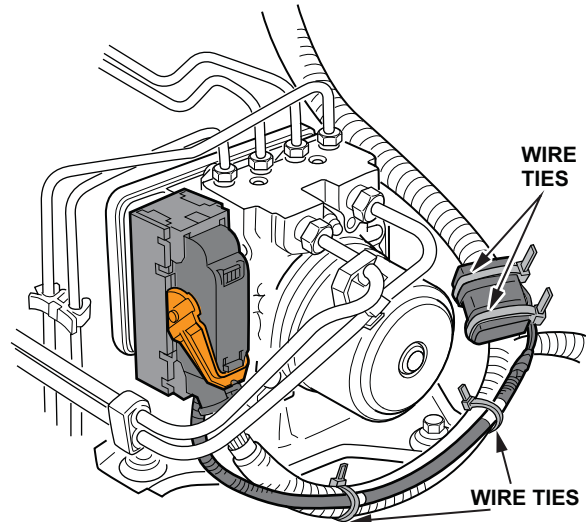
18. Reconnect the 47P connector to the VSA modulator-control unit by making sure it is properly aligned, then move the lock to the locked position.



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.

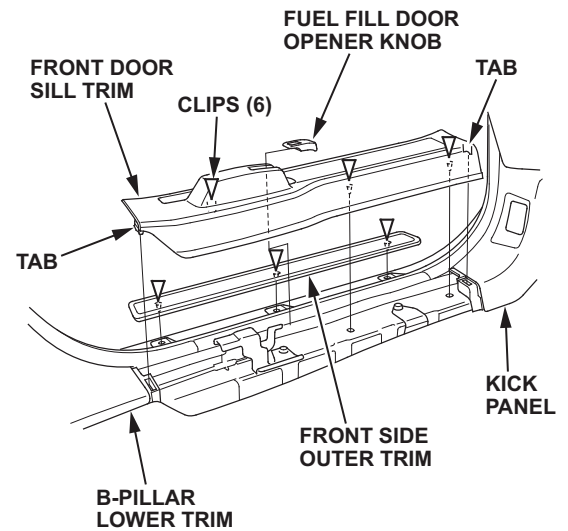
> Wire Ties (2)



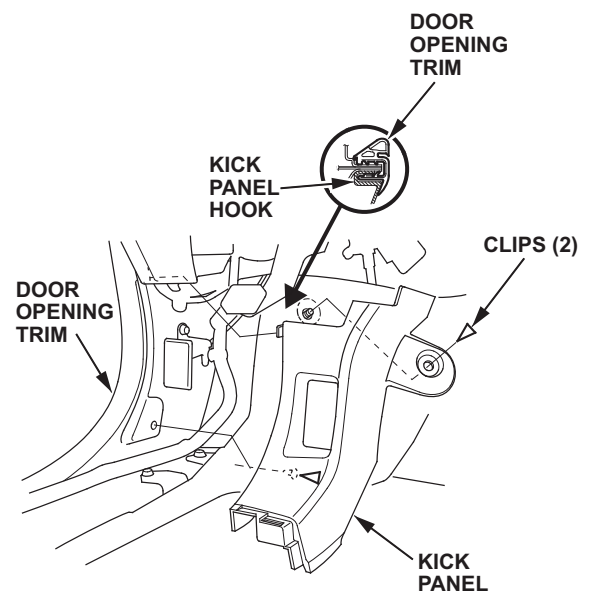
20. Secure the VSA subharness to the vehicle harness in the area of the white tape as shown, then reconnect any disconnected wire harness clips.
 - > Wire Ties (2)
21. Reinstall the intake air duct and the engine cover.
22. Start the engine and make sure the VSA system indicator goes off.

REPAIR PROCEDURE B

1. Remove the fuel fill door opener 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 system indicator goes off.

Example of Customer Letter

April 2013

Safety Recall: 2005 Pilot VSA System Unexpectedly Activates – NHTSA Recall 13V-092

Dear Honda Pilot 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 has decided that a defect which relates to motor vehicle safety exists in certain 2005 model year Pilot vehicles. The Vehicle Stability Assist electronic control unit may have been damaged during the manufacturing process. If the control unit was damaged, the VSA system may apply a small amount of braking force even if the driver has not pressed the brake pedal. If the driver applies the brakes during a malfunction, the VSA system may cause the vehicle to come to an abrupt stop. The unexpected and unnecessary application of brake assist while driving may increase the risk of a crash.

In addition, a portion of the 2005 model year Pilots subject to the recall described above may have a VSA system electrical connector bolt that was not tightened to specification which may cause improper operation of the VSA system. Improper operation of the VSA system may cause braking force to be applied while driving, without illumination of the brake lights, when the driver has not applied the brake pedal, increasing the risk of a crash.

What should you do?

Call any authorized Honda dealer and make an appointment to have your vehicle's VSA system inspected and, if necessary, repaired at no cost to you. The complete replacement process may take approximately 30 minutes; however, your vehicle will need to be at the dealer for a longer period of time. We recommend that you plan to leave your vehicle for 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
1200 New Jersey Avenue, SE
Washington, DC 20590

You can also call the toll-free Safety Hotline at 1-888-327-4236 (TTY 1-800-424-9153), or go to www.safercar.gov.

What to do if you feel this notice is in error

Registration records indicate that you are the current owner or lessee of a 2005 Honda Pilot involved in this campaign. If this is not the case, or the name/address information is not correct, please complete and sign the Information Change Card and return it in the enclosed postage-paid envelope. 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 locating a Honda dealer, please call Honda Automobile Customer Service at 1-800-999-1009, and select option 4. U.S. customers can also locate a dealer online at Hondacars.com. Customers in U.S. territories, please contact your local dealer/distributor.

We apologize for any inconvenience this campaign may cause you.

Sincerely,

American Honda Motor Co., Inc.
Honda Automobile Division