



Applies To: **2005–06 MDX** – Check the iN VIN status for eligibility
2005 RL – Check the iN VIN status for eligibility

March 22, 2013

Safety Recall: VSA System Unexpectedly Activates
 (Supersedes 13-013, dated March 16, 2013, to revise the information marked by the black bars)

REVISION SUMMARY

- Under TOOL INFORMATION, a note about ordering new tool packs was added.
- Under WARRANTY CLAIM INFORMATION, information about submitting tool pack claims was added.
- Under REPAIR PROCEDURE - RL, images were changed.

BACKGROUND

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 even if the driver has not pressed the brake pedal. If the brakes are applied unexpectedly, it may increase the risk of a crash.

CLIENT 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

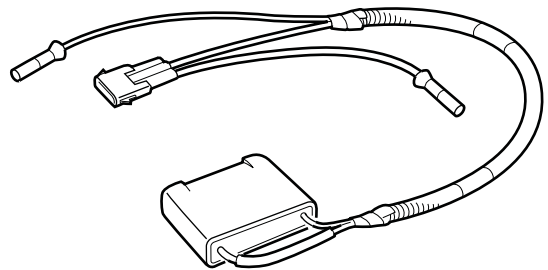
Install a subharness on all vehicles.

PARTS INFORMATION

MDX VSA Subharness: P/N 06326-SFE-000

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

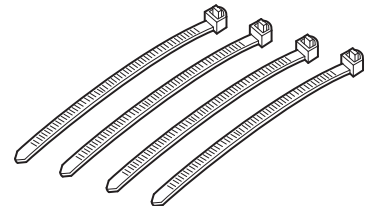
SUBHARNESS WITH CAPACITOR



3P SHORT CONNECTOR



WIRE TIES

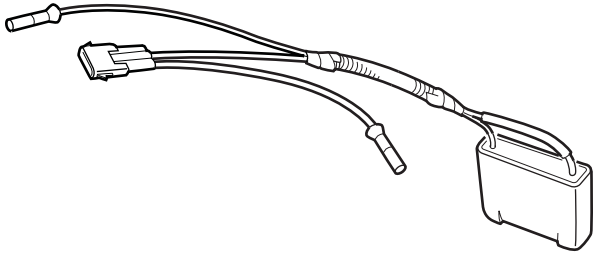


CLIENT INFORMATION: The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by “do-it-yourselfers,” and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Acura automobile dealer.

RL VSA Subharness: P/N 06326-SJK-000

- Includes:
Subharness with Capacitor
Wire Ties (2)
3P Short Connector

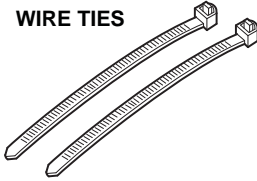
SUBHARNESS WITH CAPACITOR



3P SHORT CONNECTOR



WIRE TIES



TOOL INFORMATION

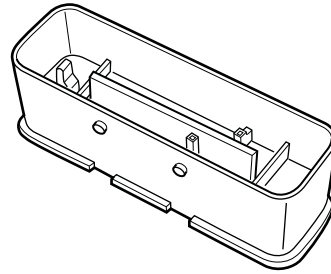
Service Tool Pack 1: T/N 06324-SFE-000

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

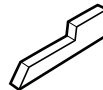
NOTE:

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

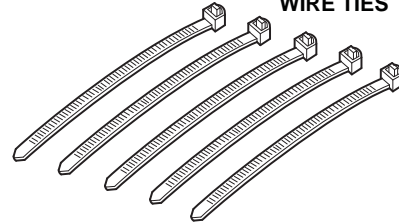
LANCE RELEASE HOUSING



LANCE RELEASE TOOL



WIRE TIES

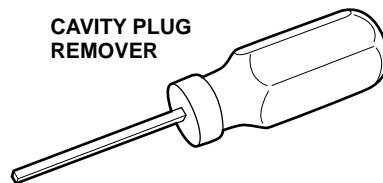


Service Tool Pack 2: 06325-SFE-000

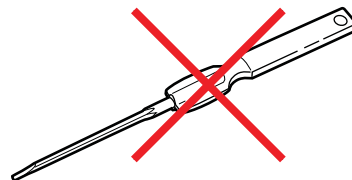
- Includes:
Cavity Plug Remover

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 Service Tool Pack 1.

MDX:

Operation Number: 7370D2

Flat Rate Time: 0.4 hour

Failed Part: P/N 57110-S3V-A32

Defect Code: 5VU00

Symptom Code: S8900

Skill Level: Repair Technician

RL:

Operation Number: 7370D2

Flat Rate Time: 0.5 hour

Failed Part: P/N 57110-SJA-A03

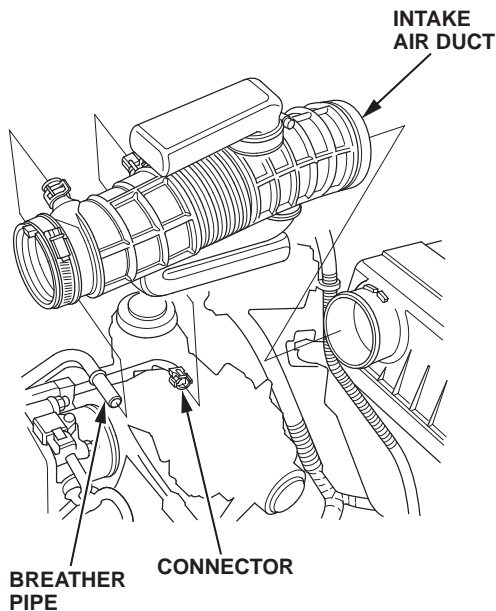
Defect Code: 5VU00

Symptom Code: S8900

Skill Level: Repair Technician

REPAIR PROCEDURE - MDX

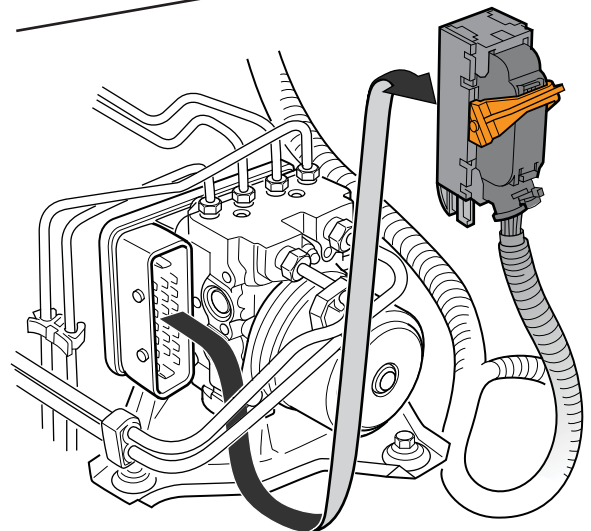
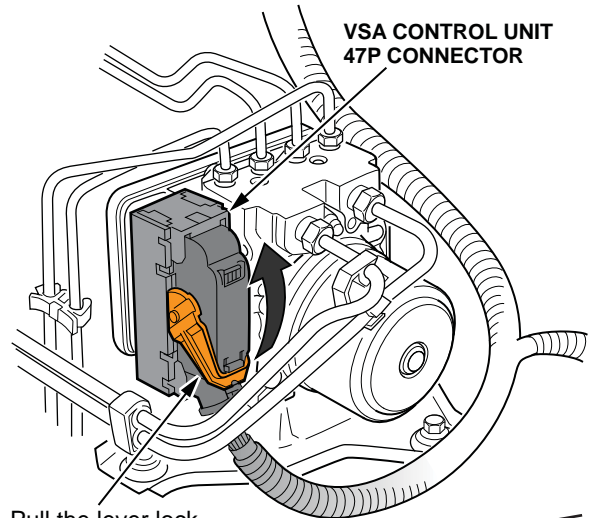
1. Turn the ignition switch to LOCK (0).
2. Remove the engine cover and the intake air duct.



3. Disconnect the VSA control unit 47P connector.

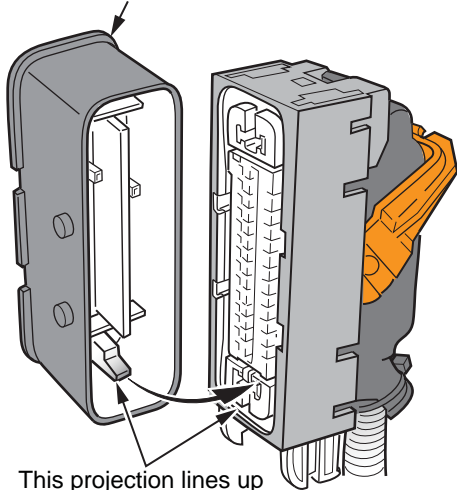
NOTE:

- 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



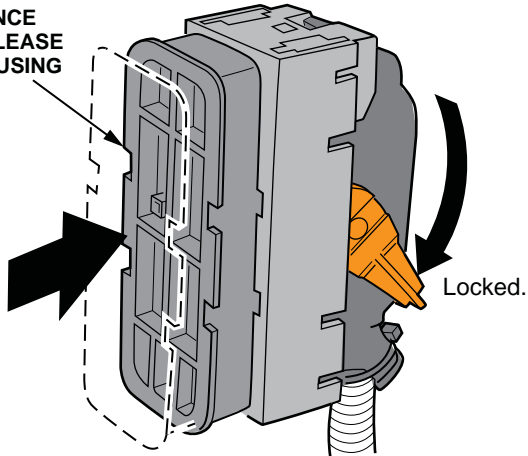
This projection lines up with the receiver at the bottom of the connector.

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

NOTE:

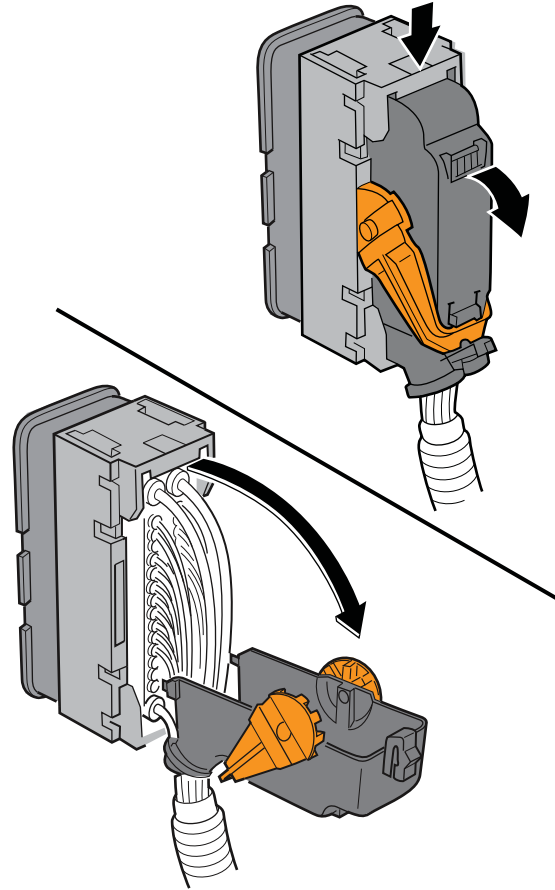
- Do not apply excessive force.
- If the lever sticks or will not move smoothly, return the lever to its original position, recheck the position of the lance release housing, and try again.

LANCE RELEASE HOUSING



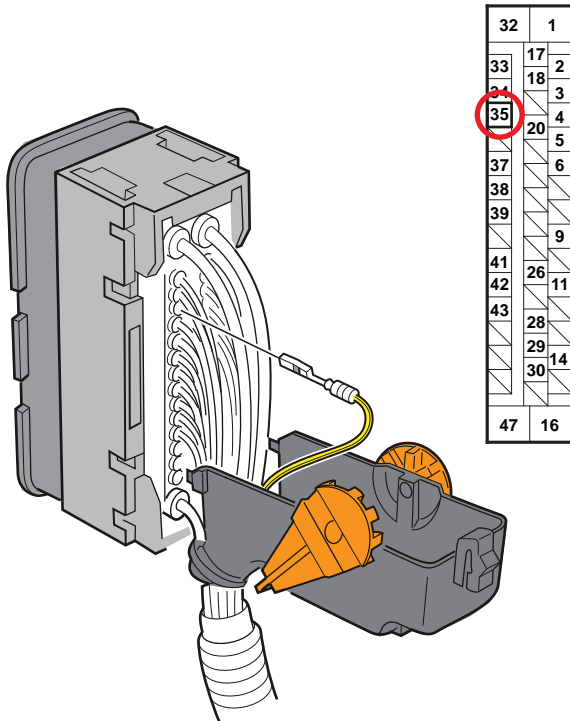
6. Use a small screwdriver to unlock and remove the lever assembly from the 47P connector.

Press to release lever assembly.

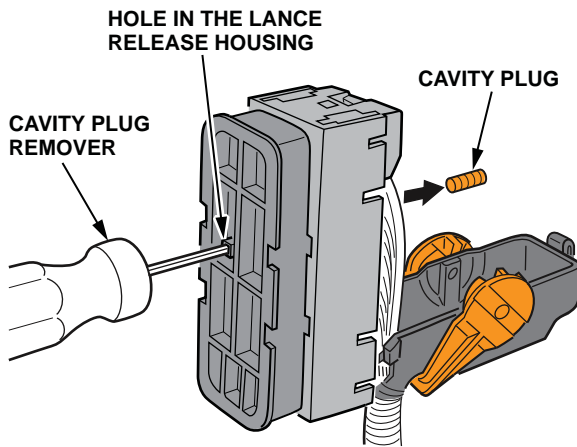


- Remove the No. 35 yellow/black wire from the connector while pushing up on the lance release housing.

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.



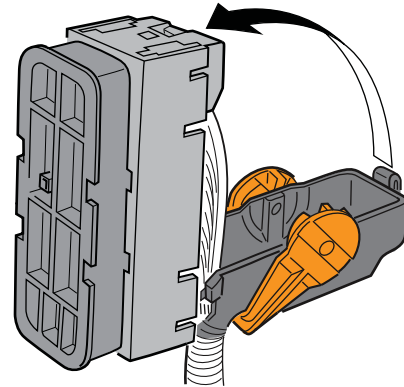
- Insert the cavity plug remover into the hole in the lance release housing as shown, and push out the plug from the No. 22 cavity.



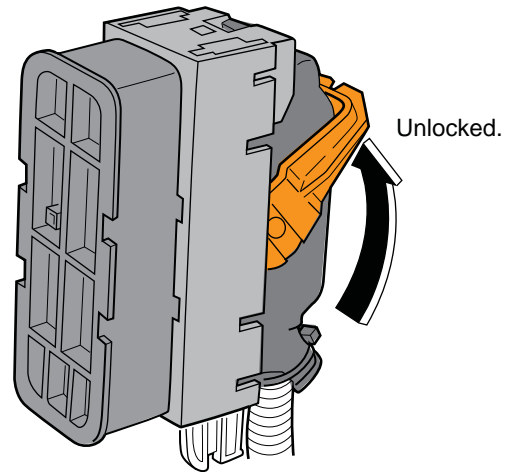
- Install the lever assembly onto the 47P connector as shown.

NOTE:

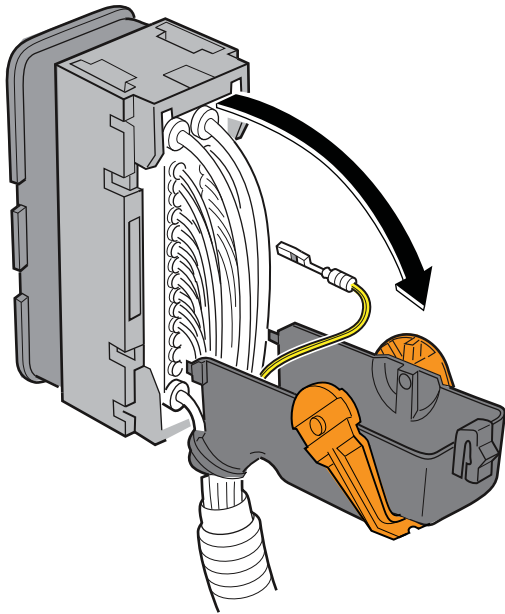
- Make sure the harness is not pinched.
- Make the lever is properly aligned.



- 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.

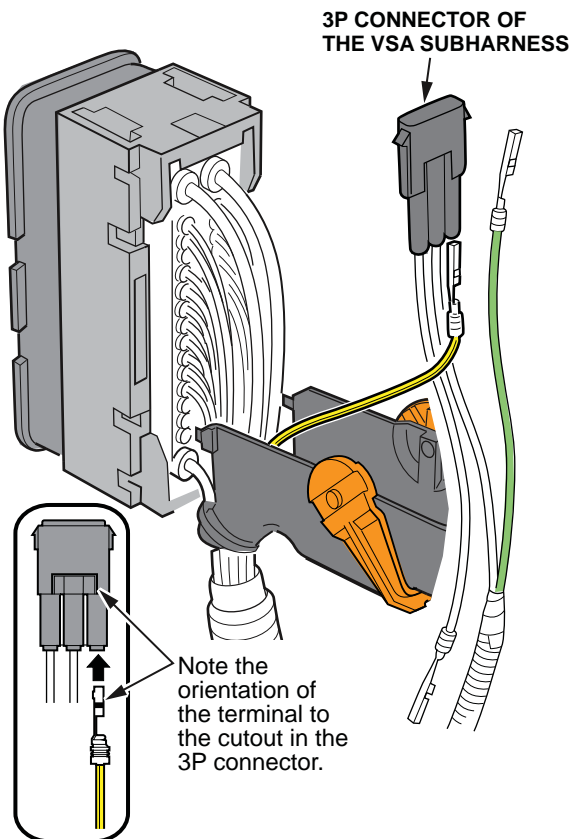


12. Install the VSA subharness.

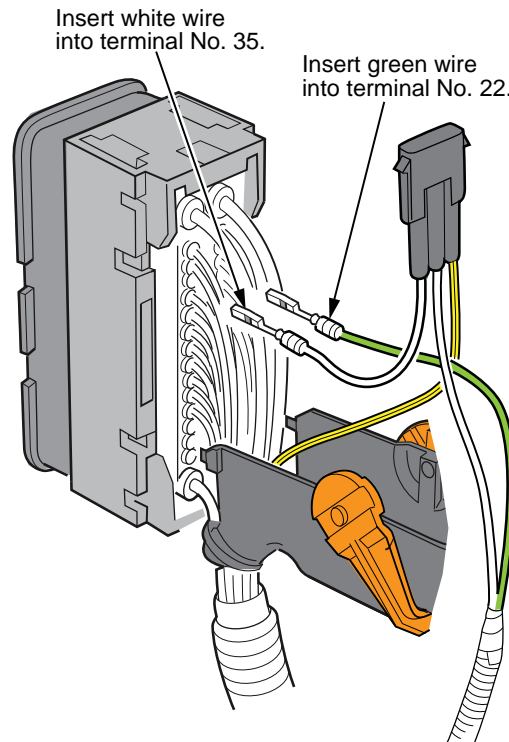
> Subharness with Capacitor

NOTE:

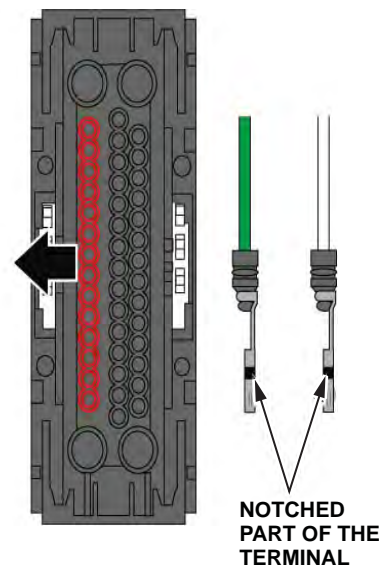
- Make sure the terminal and connector are properly oriented; the notched part of the terminal should be aligned as shown.



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

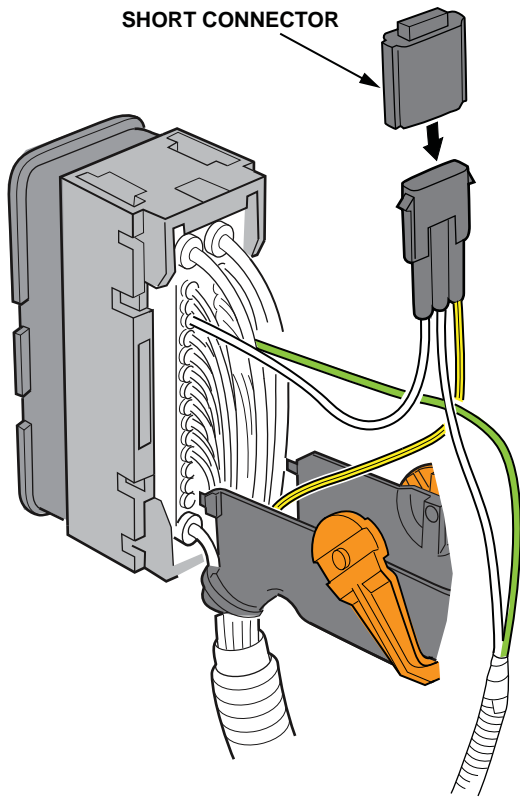


| | |
|----|----|
| 32 | 1 |
| 33 | 17 |
| 34 | 18 |
| 35 | 4 |
| | 20 |
| 37 | 6 |
| 38 | 22 |
| 39 | |
| | 9 |
| 41 | |
| 42 | 26 |
| 43 | 28 |
| | 29 |
| | 30 |
| 47 | 16 |



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

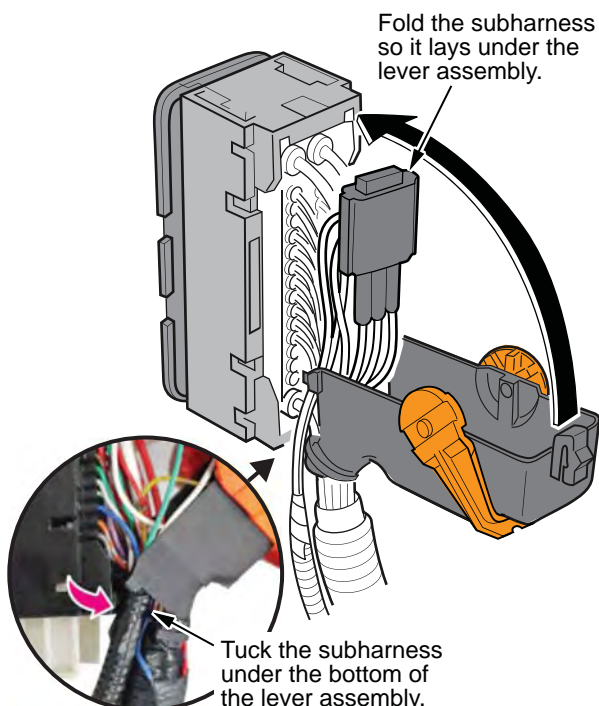
> 3P Short Connector



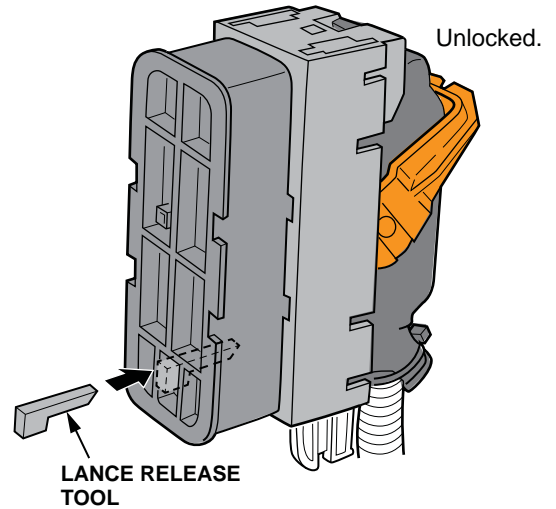
14. Lay out the subharness as shown, then install the lever assembly.

NOTE:

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

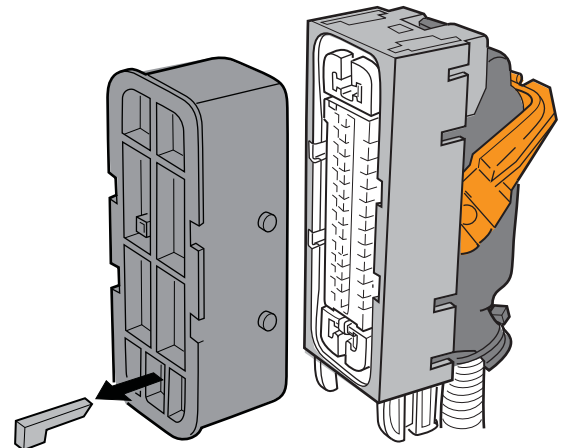


15. Make sure the lance release housing is in the unlocked position, then fully insert the lance release tool into the hole as shown.

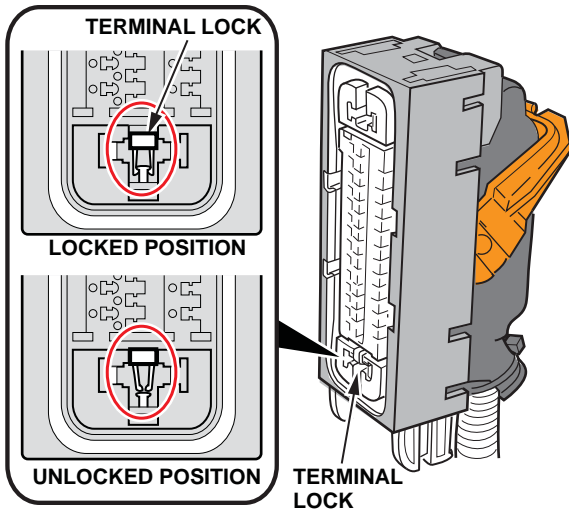


16. Remove the lance release tool, then remove the lance release housing.

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

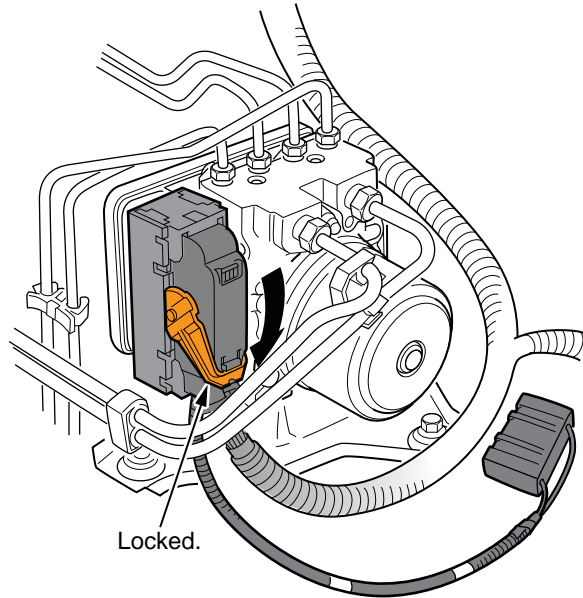


17. Inspect the terminal lock to make sure it is in the locked position.



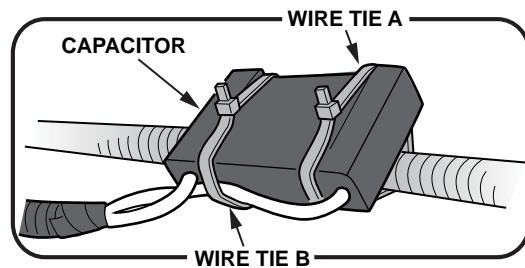
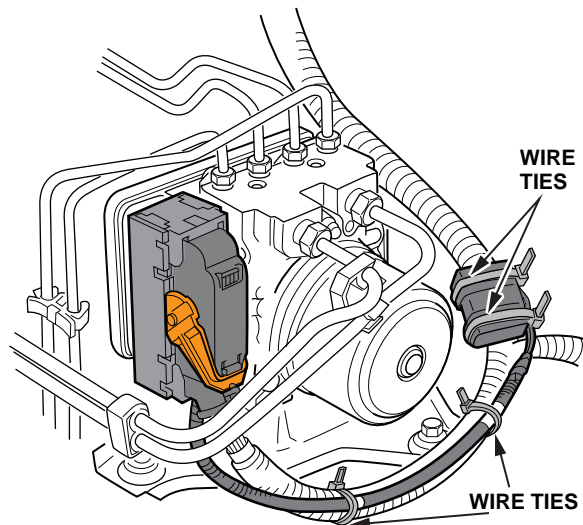
18. Reconnect the 47P connector to the VSA modulator by making sure it is properly aligned, then rotating the lever to the lock position.

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.

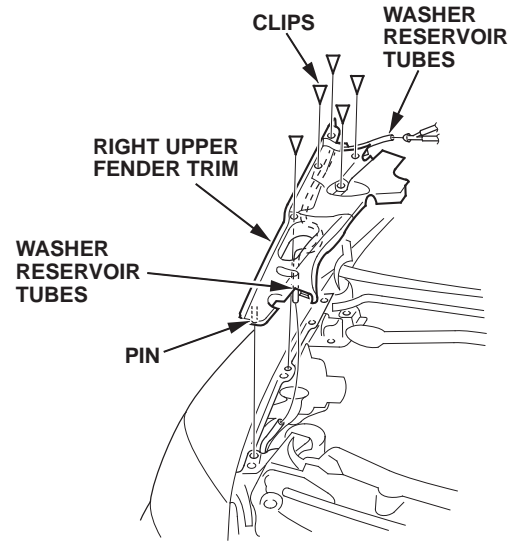
> Wire Tie (2)

21. Reinstall all items in the reverse order of removal.

22. Start the engine and make sure the VSA warning light goes off.

REPAIR PROCEDURE - RL

1. Turn the ignition switch to LOCK (0).
2. Remove the right upper fender trim.

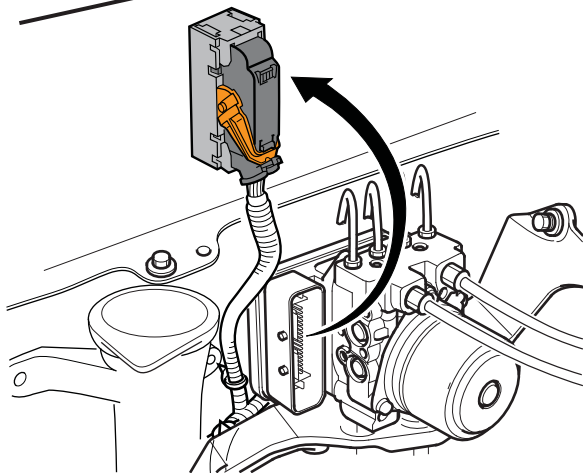
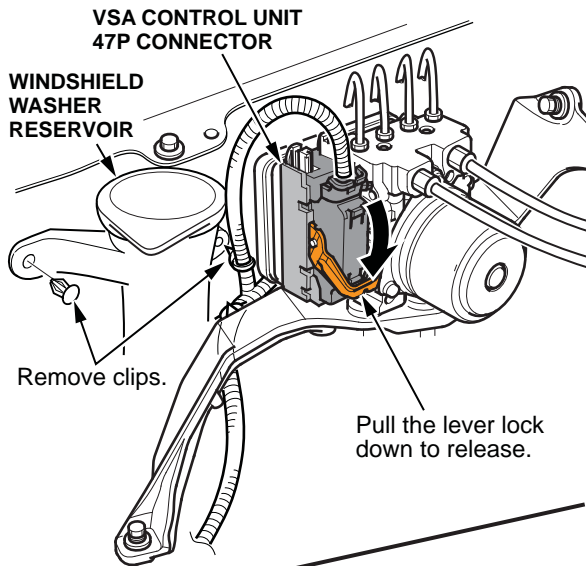


3. Disconnect the windshield washer hose from its holder.

4. Disconnect the VSA control unit 47P connector.

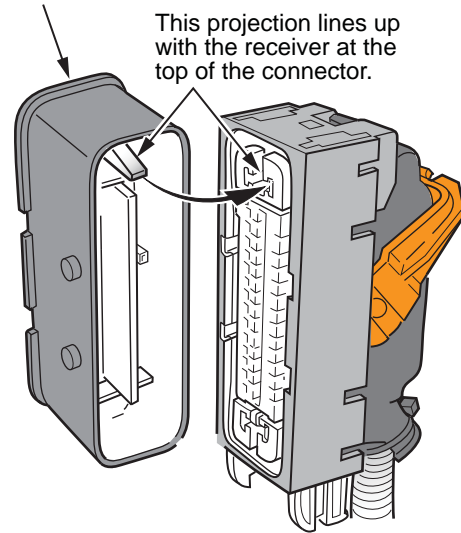
NOTE:

- 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.



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

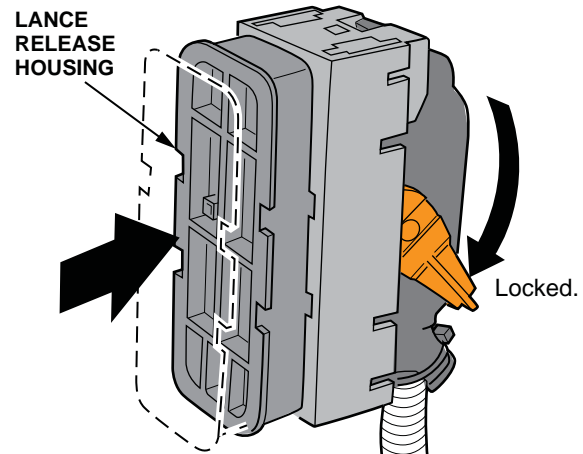
LANCE RELEASE HOUSING



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

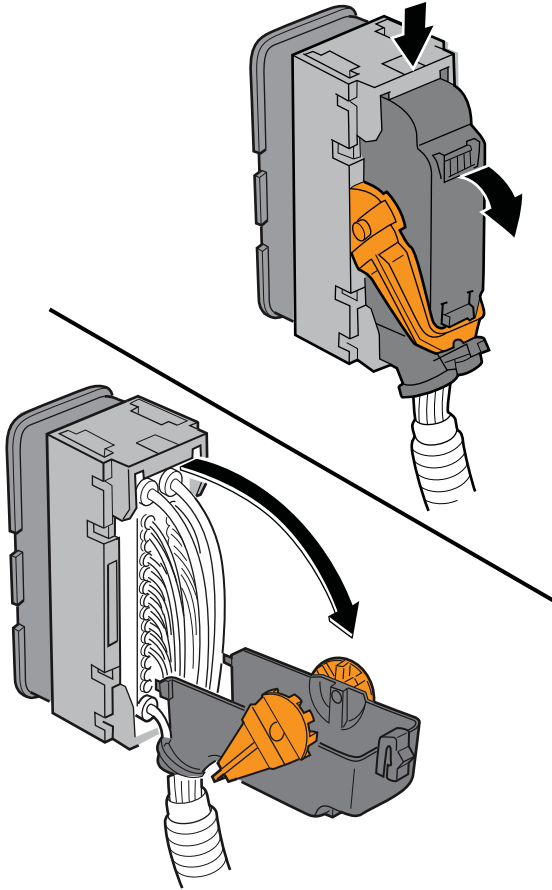
NOTE:

- 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.



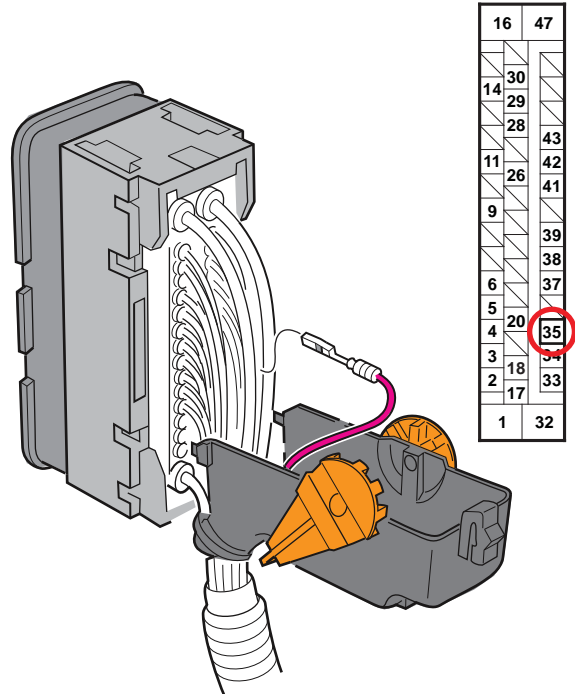
- Use a small screwdriver to unlock and remove the lever assembly from the 47P connector.

Press to release lever assembly.

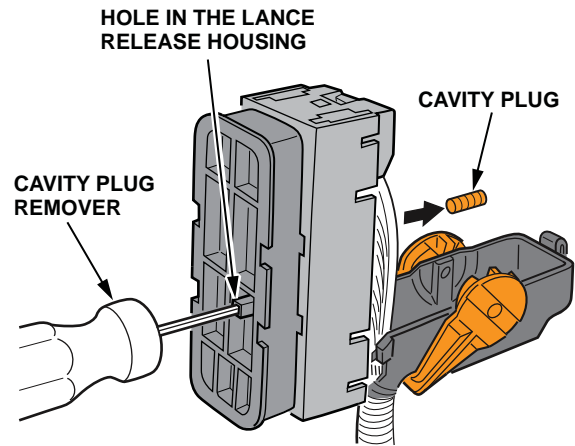


- Remove the No. 35 pink wire from the connector while pushing up on the lance release housing.

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.



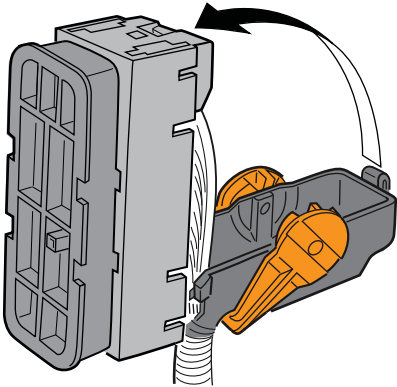
- Insert the cavity plug remover into the hole in the lance release housing as shown, and push out the plug from the No. 22 cavity.



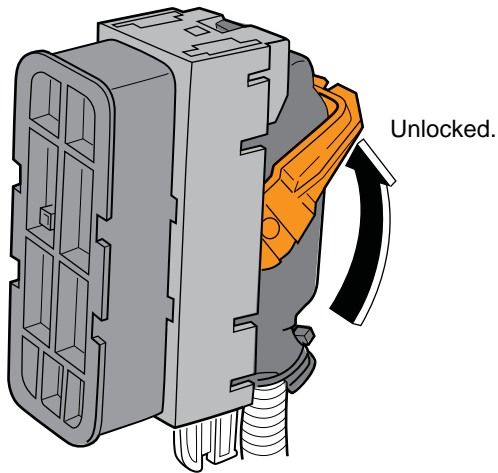
10. Install the lever assembly onto the 47P connector as shown.

NOTE:

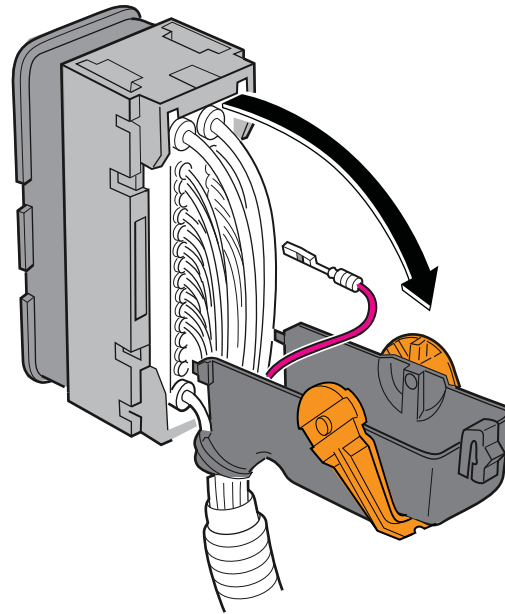
- Make sure the harness is not pinched.
- Make the lever is properly aligned.



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



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

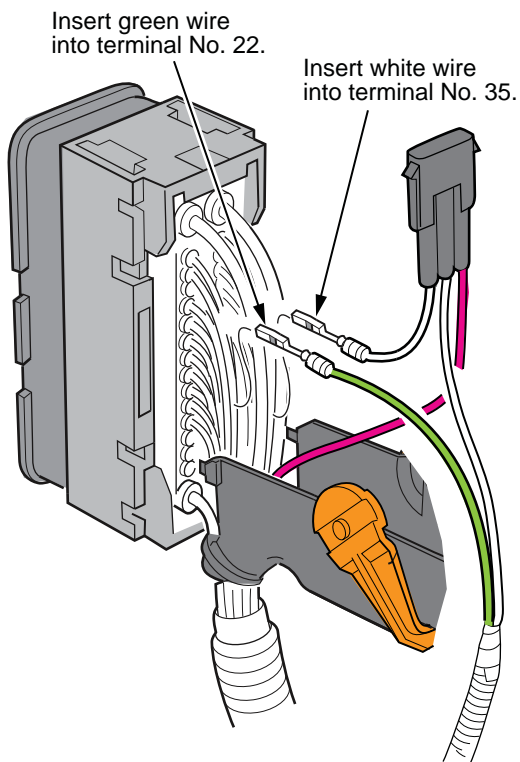


13. Install the VSA subharness.

> Subharness with Capacitor

NOTE:

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

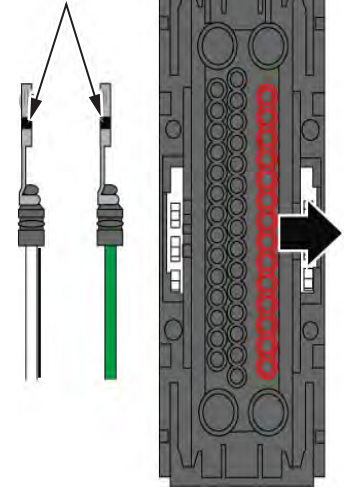


- Do not force the terminal into the connector to avoid damaging the terminals.
- You may hear a click when the terminal is seated in the 3P connector.
- After inserting the terminal into the 3P connector, gently pull on the wire to make sure it is locked into place.

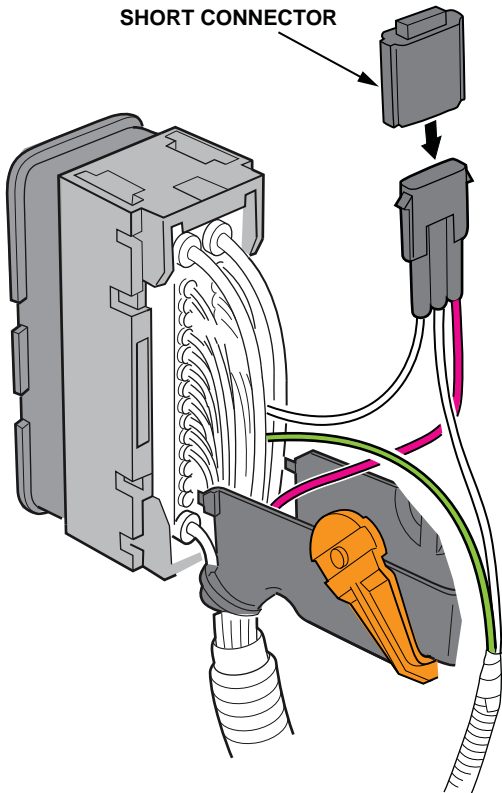
- Insert the pink wire that was removed from terminal No. 35 into the 3P connector of the VSA subharness.
- Insert the VSA harness white wire into the VSA control unit 47P connector terminal No. 35.
- Insert the VSA harness green wire into the VSA control unit 47P connector terminal No. 22.

| | |
|----|----|
| 16 | 47 |
| | 30 |
| 14 | 29 |
| | 28 |
| 11 | 26 |
| 9 | |
| | 39 |
| 6 | 22 |
| 5 | 38 |
| 4 | 20 |
| 3 | 35 |
| 2 | 18 |
| | 17 |
| 1 | 32 |

NOTCHED PART OF THE TERMINAL



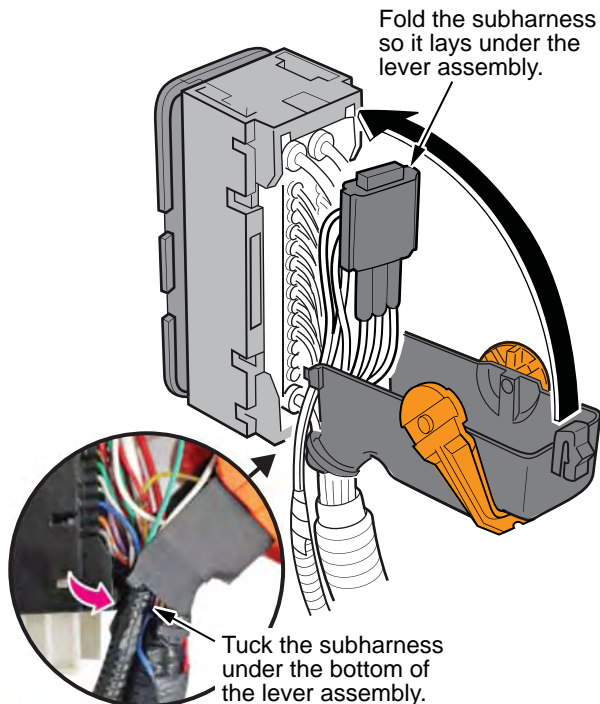
14. Install the short connector to the 3P connector.
 > 3P Short Connector



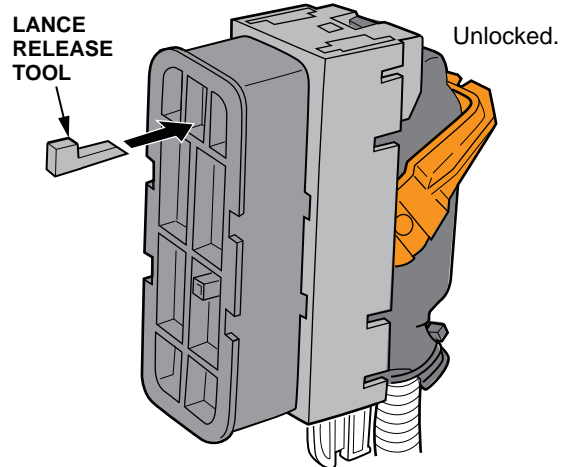
15. Lay out the subharness as shown, then install the lever assembly.

NOTE:

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

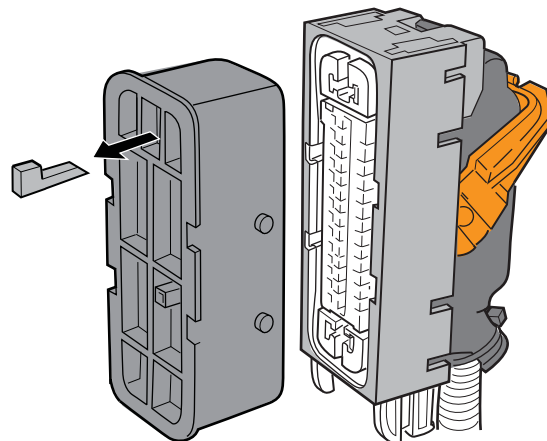


16. Make sure the lance release housing is in the unlocked position, then fully insert the lance release tool into the hole as shown.

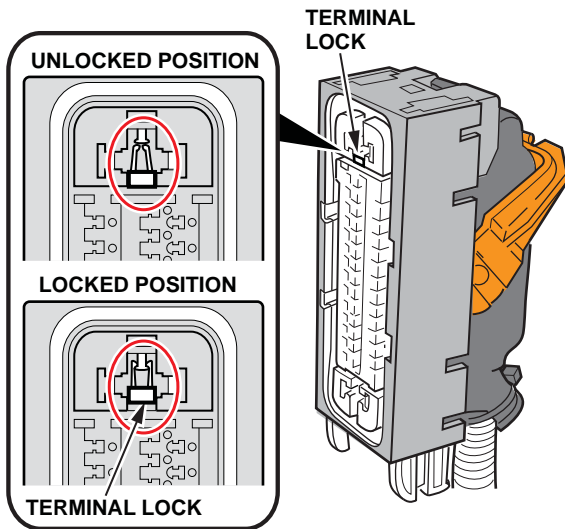


17. Remove the lance release tool, then remove the lance release housing.

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

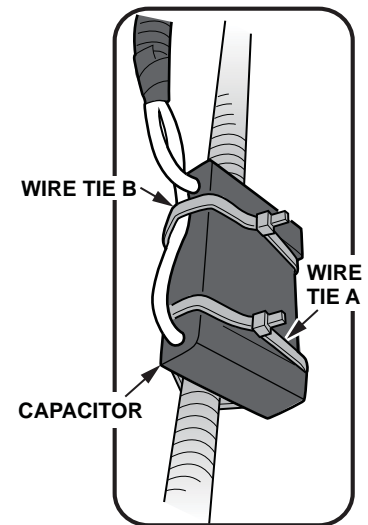
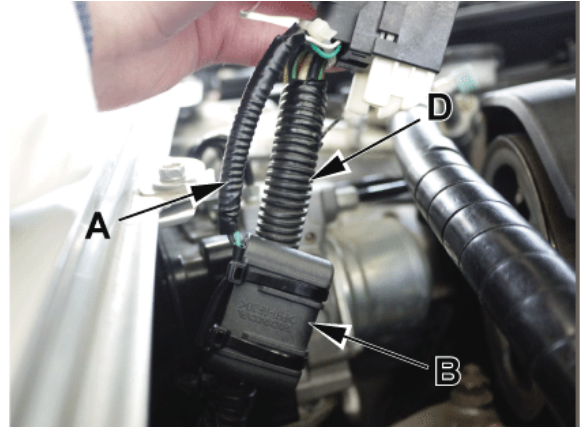


18. Inspect the terminal lock to make sure it is in the locked position.



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

20. 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)

21. Reconnect any disconnected wire harness clips, then reinstall all items in the reverse order of removal.
22. Start the engine and make sure the VSA warning light goes off.