



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

March 16, 2013

Safety Recall: VSA System Unexpectedly Activates

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

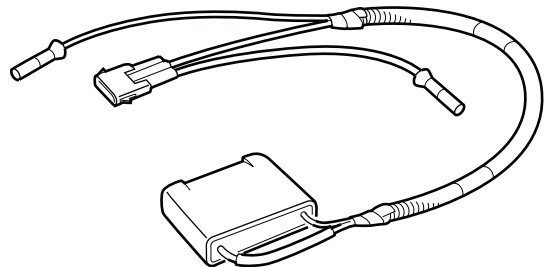
Includes:

Subharness with Capacitor

Wire Ties (4)

3P Short Connector

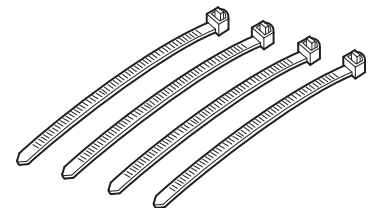
SUBHARNESS WITH CAPACITOR



3P SHORT CONNECTOR



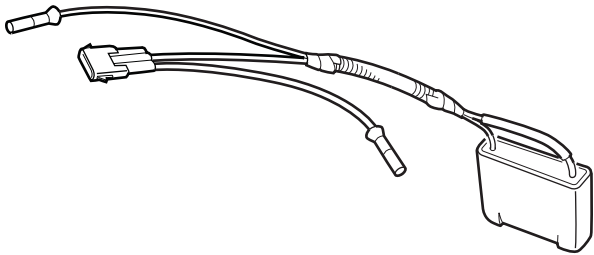
WIRE TIES



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

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

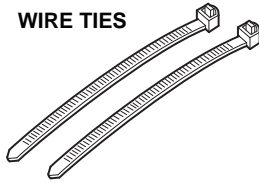
SUBHARNESS WITH CAPACITOR



3P SHORT CONNECTOR



WIRE TIES



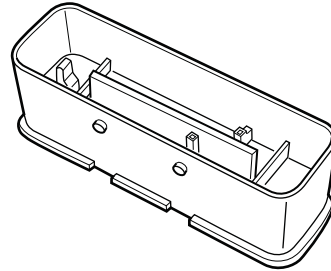
TOOL INFORMATION

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

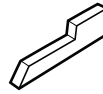
- Includes:
 - Lance Release Housing
 - Lance Release Tool
 - Extra Wire Ties

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

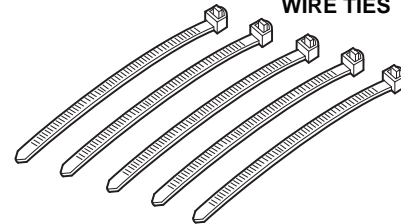
LANCE RELEASE HOUSING



LANCE RELEASE TOOL



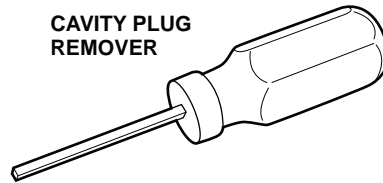
WIRE TIES



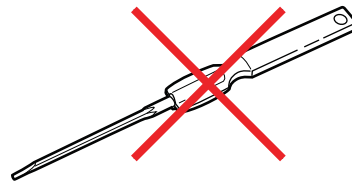
Service Tool Pack 2: 06325-SFE-000

- Includes:
 - Cavity Plug Remover
 - Terminal Removal Tool (**Not used**)

CAVITY PLUG REMOVER



TERMINAL REMOVER TOOL (NOT USED)



WARRANTY CLAIM INFORMATION

MDX:

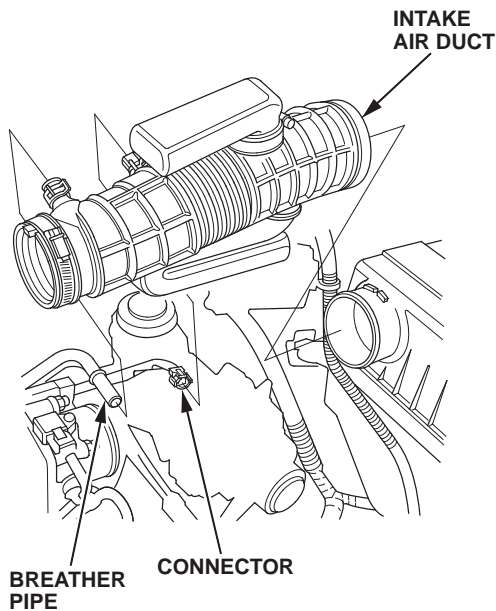
Operation Number: 7370D2
Flat Rate Time: 0.4 hour
Failed Part: P/N 57110-S3V-A32
Defect Code: 5VU00
Symptom Code: S8900
Skill Level: Repair Technician

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

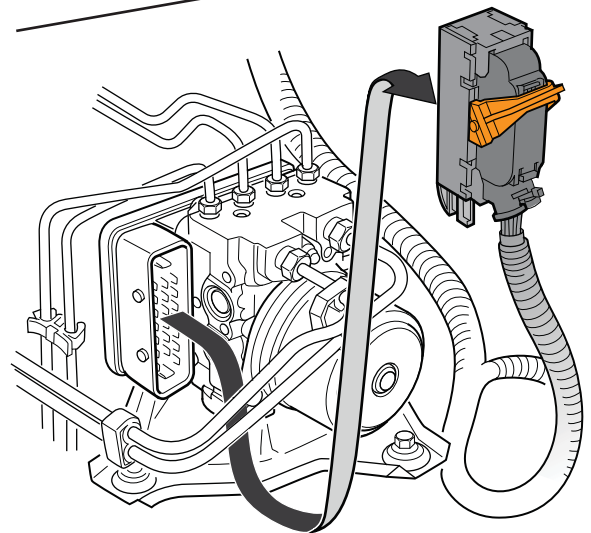
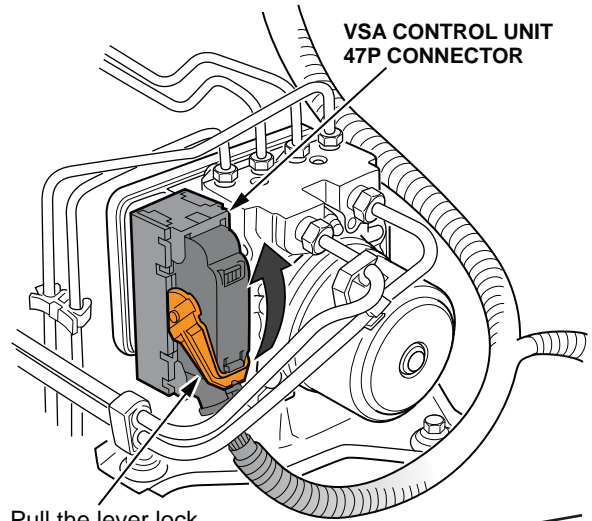
1. Turn the ignition switch to LOCK (0).
2. Remove the engine cover and the intake air duct.



3. Disconnect the VSA control unit 47P connector.

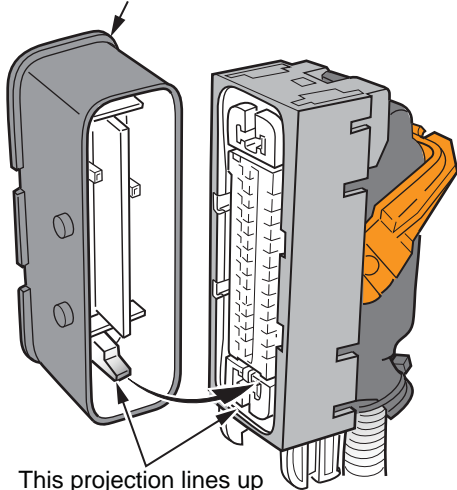
NOTE:

- 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



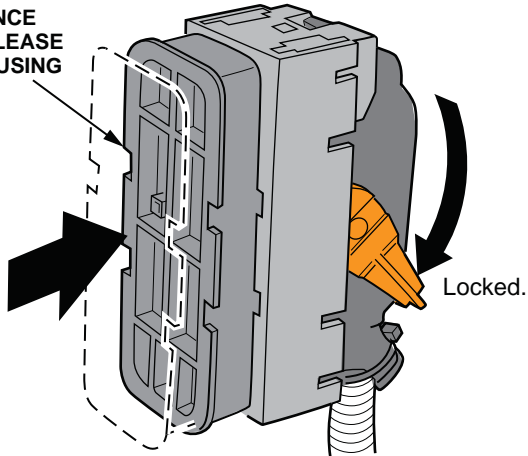
This projection lines up with the receiver at the bottom of the connector.

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

NOTE:

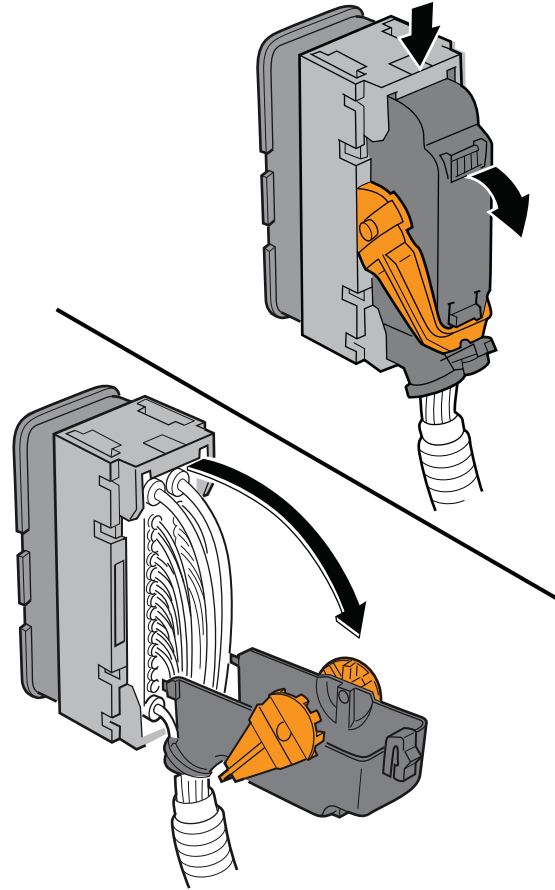
- Do not apply excessive force.
- If the lever sticks or will not move smoothly, return the lever to its original position, recheck the position of the lance release housing, and try again.

LANCE RELEASE HOUSING



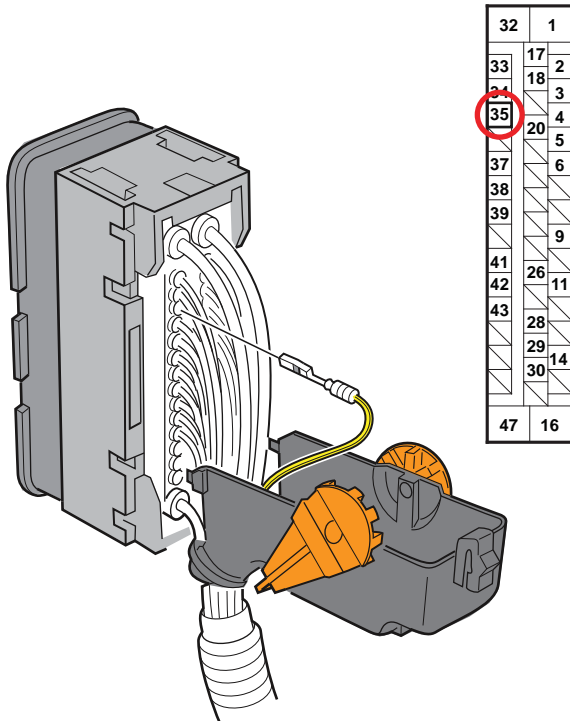
6. Use a small screwdriver to unlock and remove the lever assembly from the 47P connector.

Press to release lever assembly.

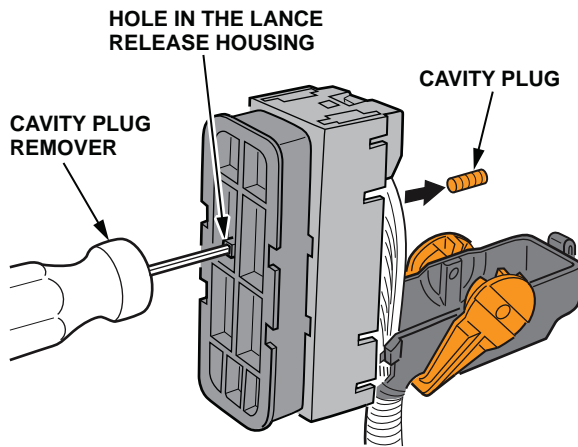


- Remove the No. 35 yellow/black wire from the connector while pushing up on the lance release housing.

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.



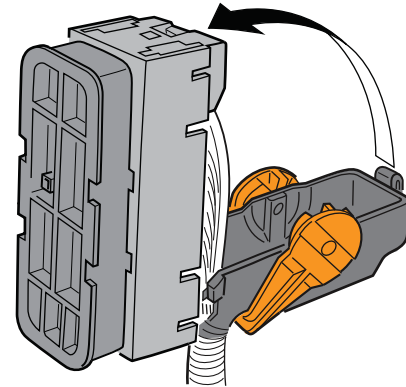
- Insert the cavity plug remover into the hole in the lance release housing as shown, and push out the plug from the No. 22 cavity.



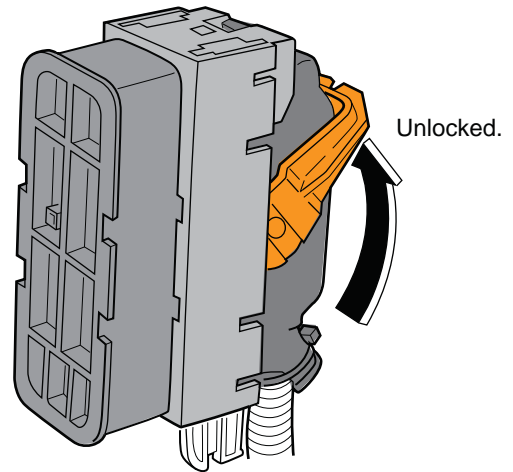
- Install the lever assembly onto the 47P connector as shown.

NOTE:

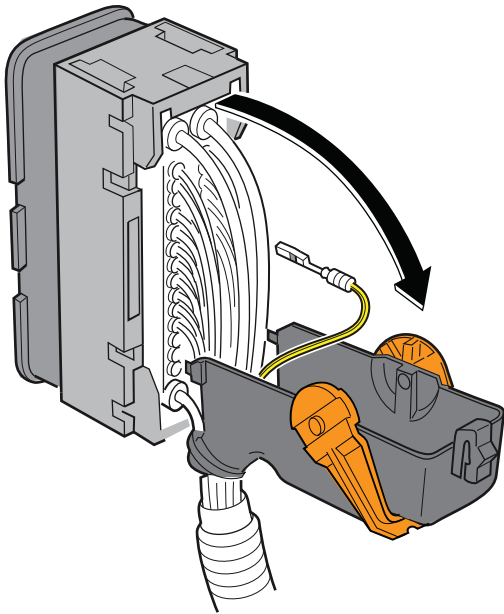
- Make sure the harness is not pinched.
- Make the lever is properly aligned.



- 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.

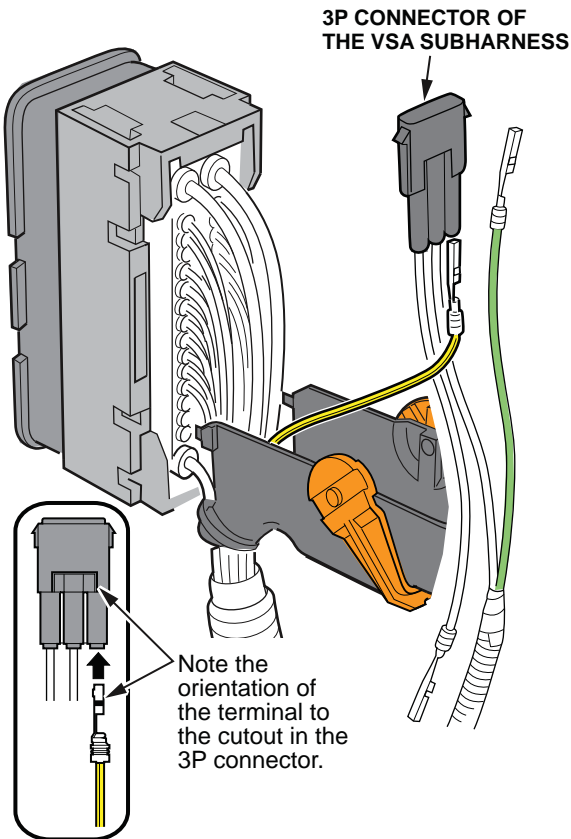


12. Install the VSA subharness.

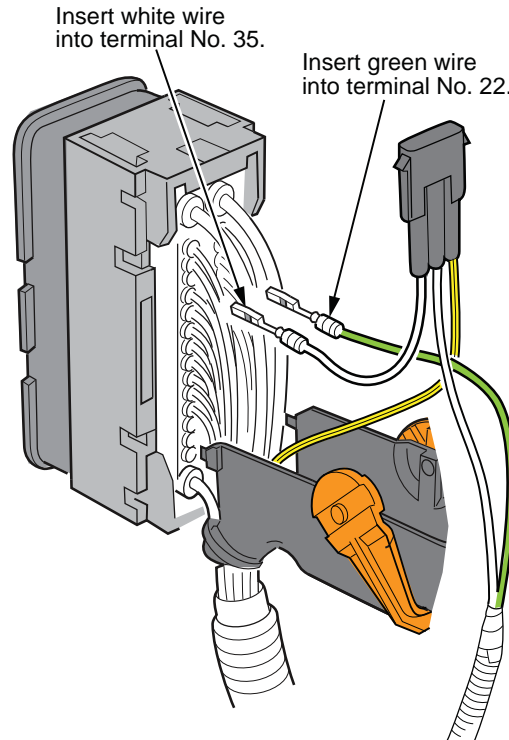
> Subharness with Capacitor

NOTE:

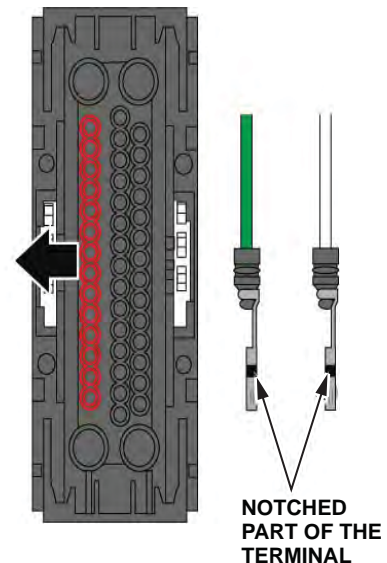
- Make sure the terminal and connector are properly oriented; the notched part of the terminal should be aligned as shown.



- 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.

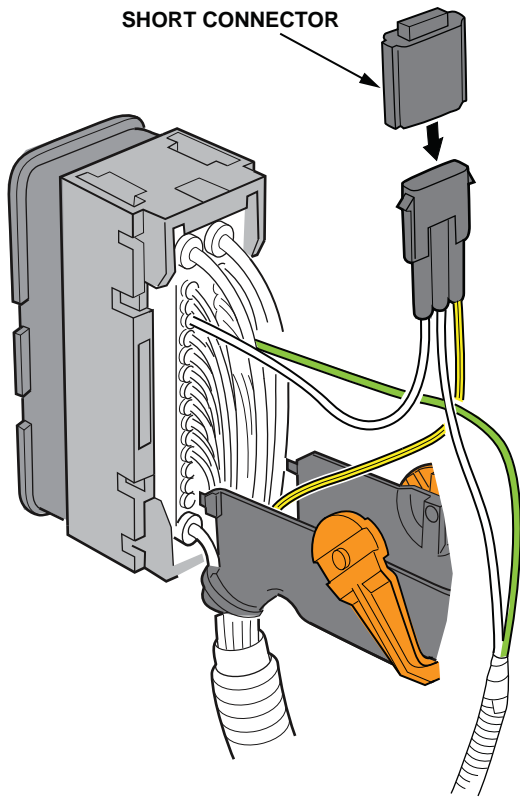


32	1
33	17
34	18
35	4
	20
37	6
38	22
39	
	9
41	
42	26
43	28
	29
	30
47	16



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

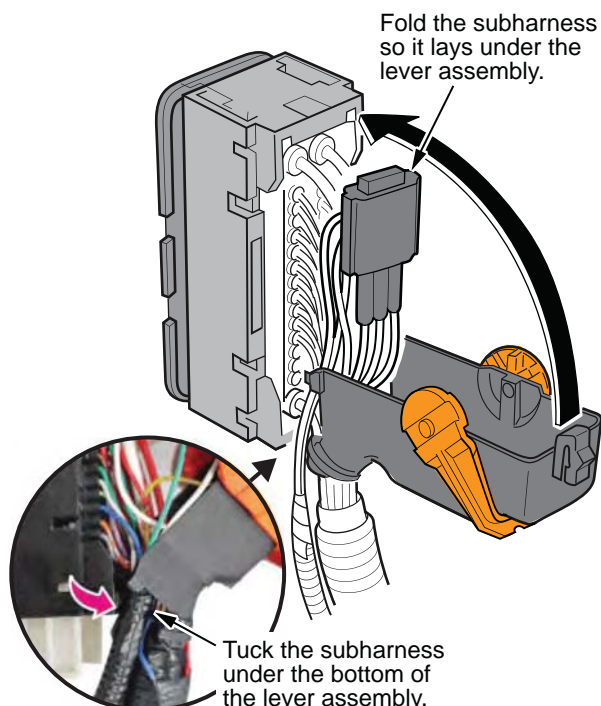
> 3P Short Connector



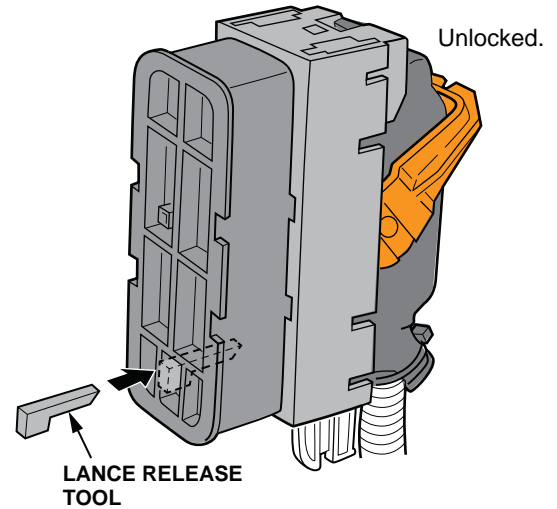
14. Lay out the subharness as shown, then install the lever assembly.

NOTE:

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

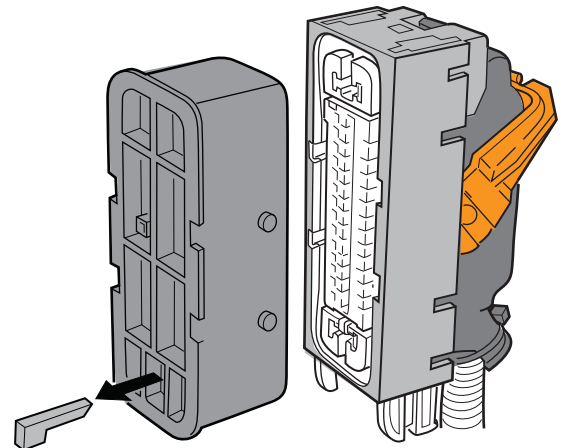


15. Make sure the lance release housing is in the unlocked position, then fully insert the lance release tool into the hole as shown.

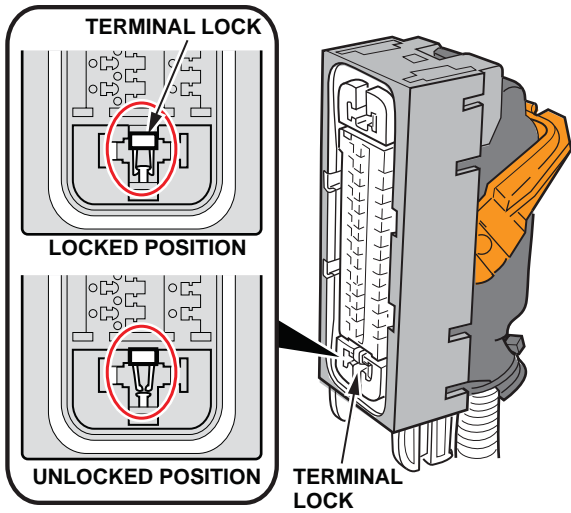


16. Remove the lance release tool, then remove the lance release housing.

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

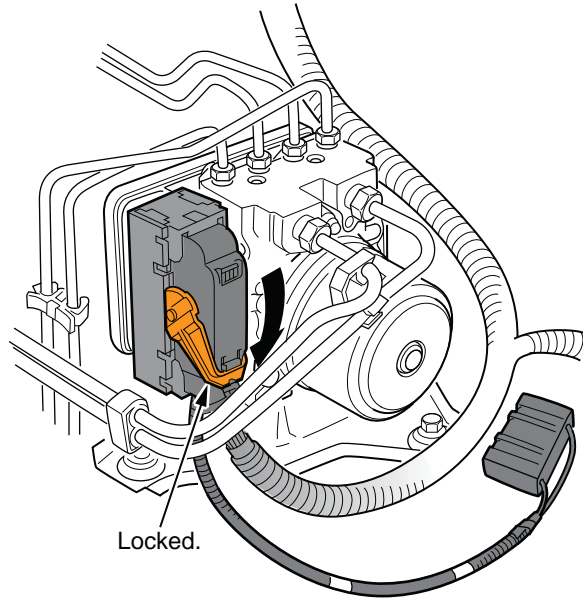


17. Inspect the terminal lock to make sure it is in the locked position.

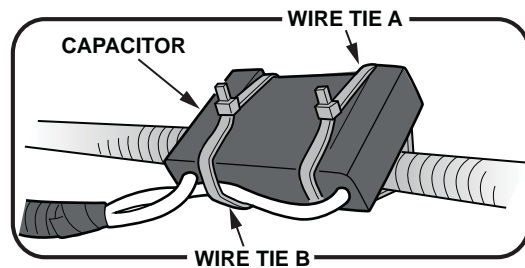
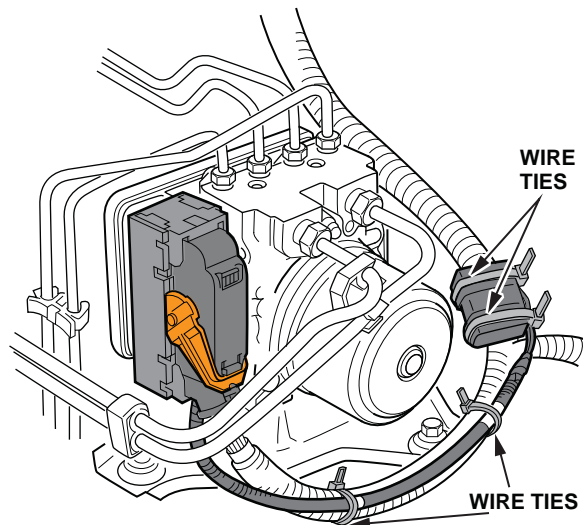


18. Reconnect the 47P connector to the VSA modulator by making sure it is properly aligned, then rotating the lever to the lock position.

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.

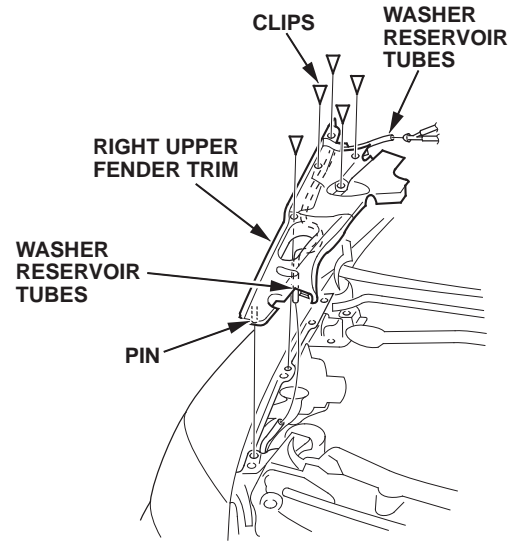
> Wire Tie (2)

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.

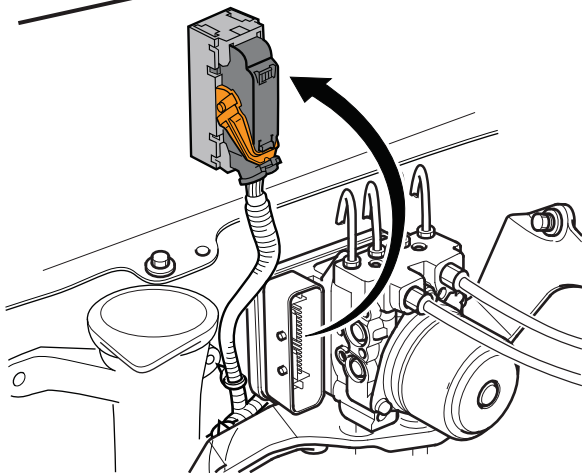
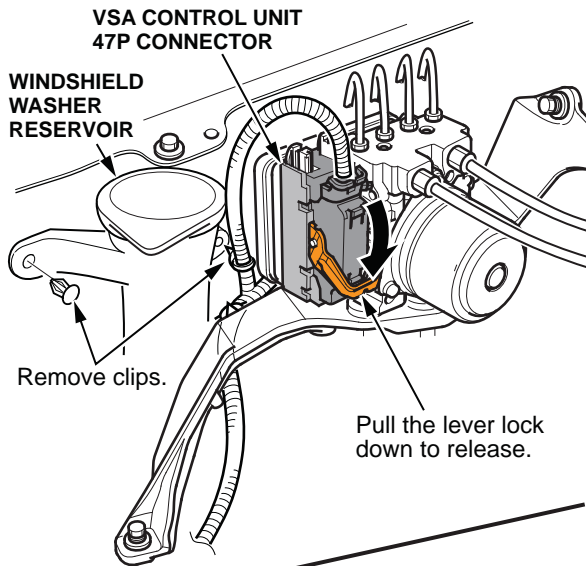


3. Disconnect the windshield washer hose from its holder.

4. Disconnect the VSA control unit 47P connector.

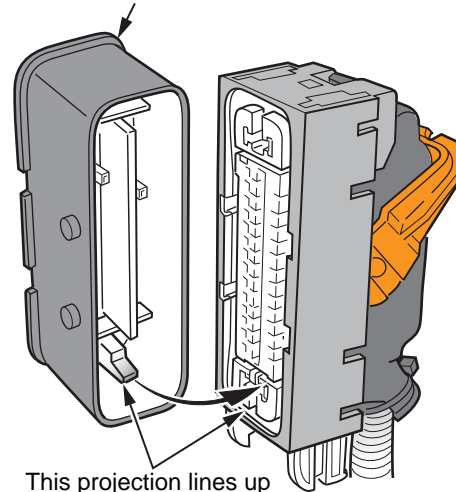
NOTE:

- 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

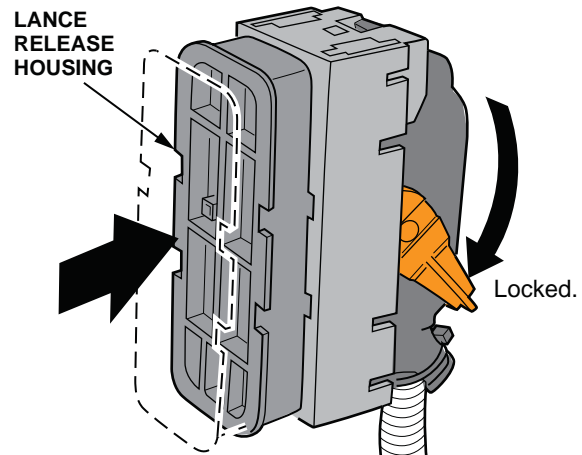


This projection lines up with the receiver at the bottom of the connector.

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

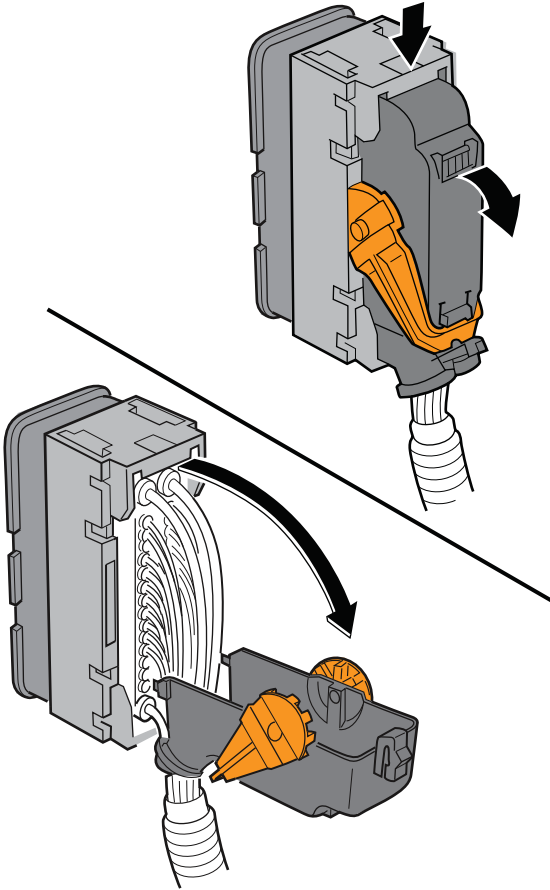
NOTE:

- 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.



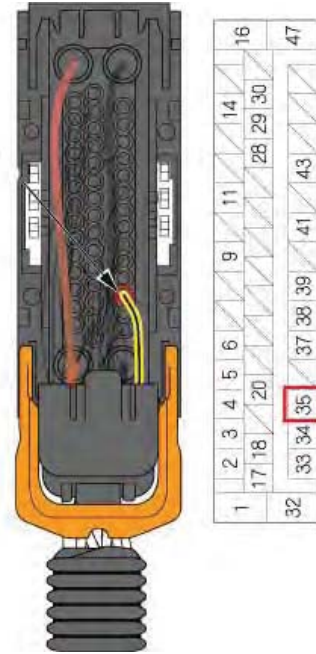
- Use a small screwdriver to unlock and remove the lever assembly from the 47P connector.

Press to release lever assembly.



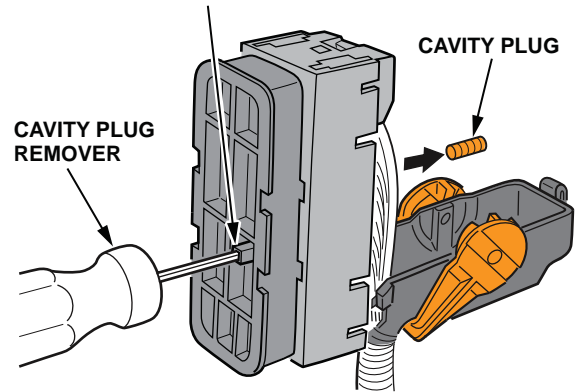
- Remove the No. 35 pink wire from the connector while pushing up on the lance release housing.

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.

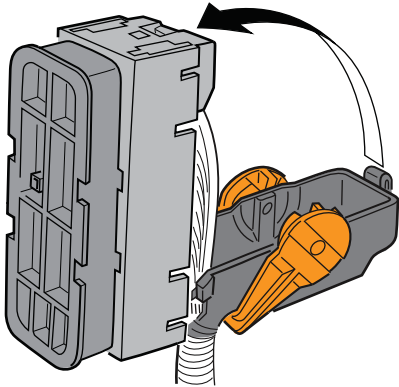
HOLE IN THE LANCE
RELEASE HOUSING



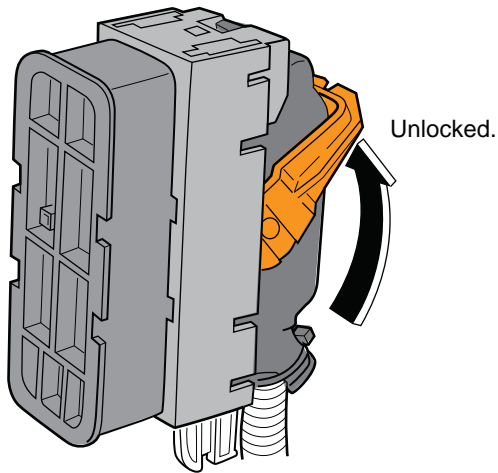
10. Install the lever assembly onto the 47P connector as shown.

NOTE:

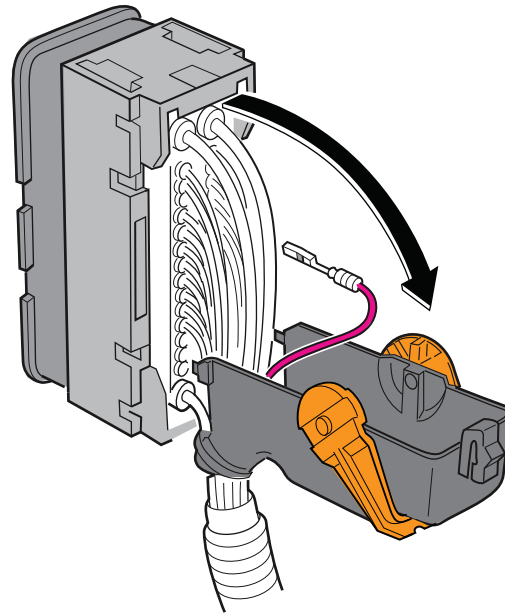
- Make sure the harness is not pinched.
- Make the lever is properly aligned.



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.

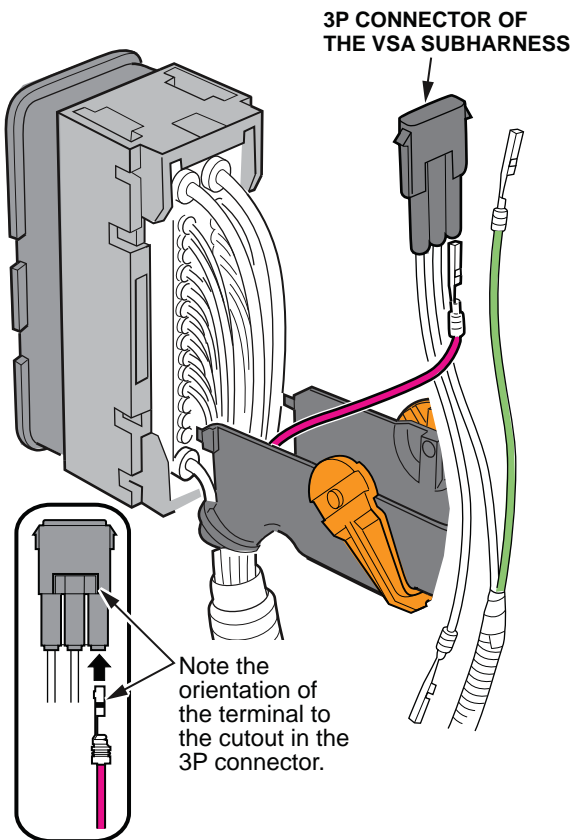


13. Install the VSA subharness.

> Subharness with Capacitor

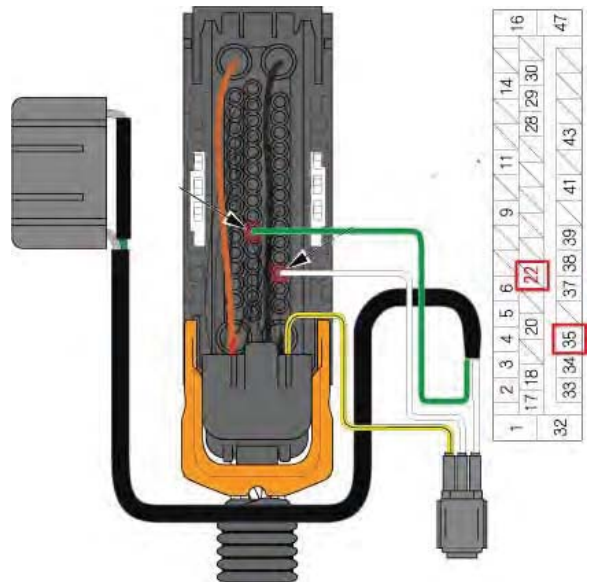
NOTE:

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

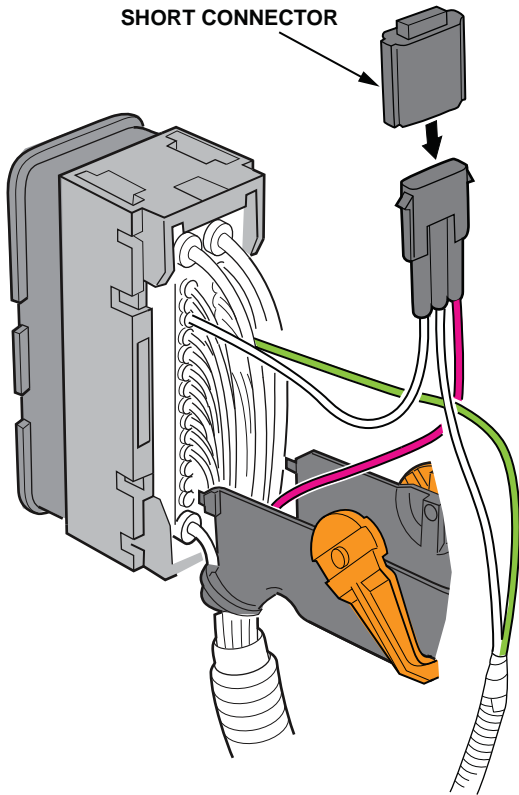


- Do not force the terminal into the connector to avoid damaging the terminals.
- You may hear a click when the terminal is seated in the 3P connector.
- After inserting the terminal into the 3P connector, gently pull on the wire to make sure it is locked into place.

- 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.



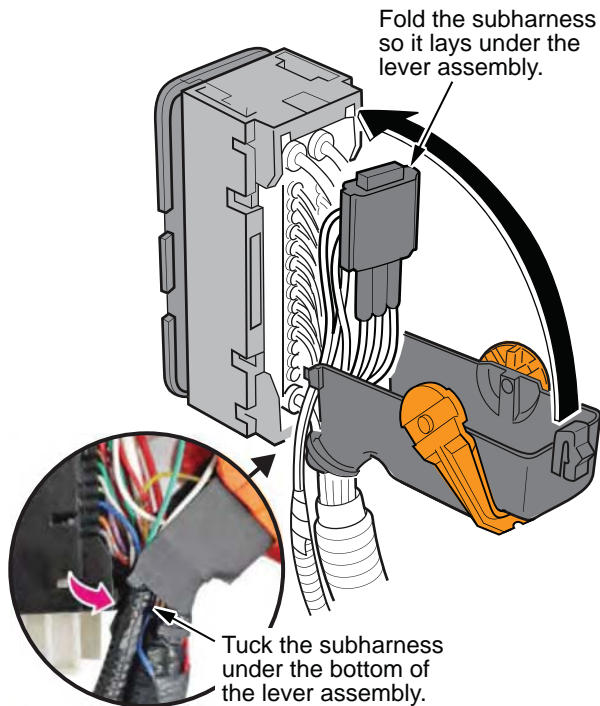
14. Install the short connector to the 3P connector.
 > 3P Short Connector



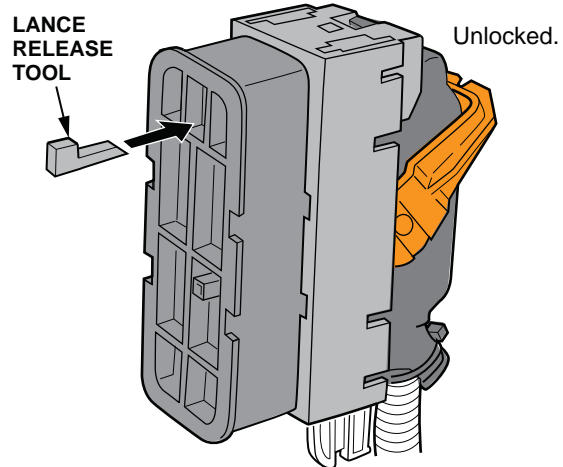
15. Lay out the subharness as shown, then install the lever assembly.

NOTE:

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

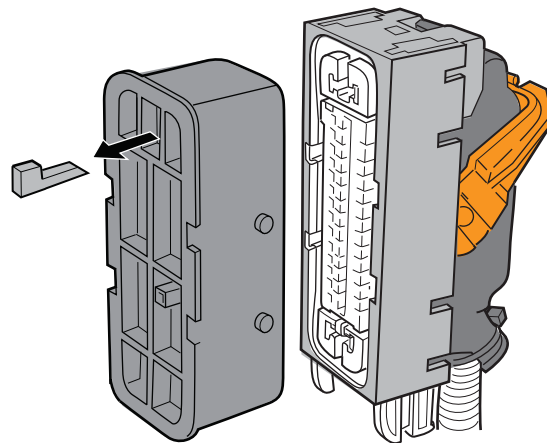


16. Make sure the lance release housing is in the unlocked position, then fully insert the lance release tool into the hole as shown.

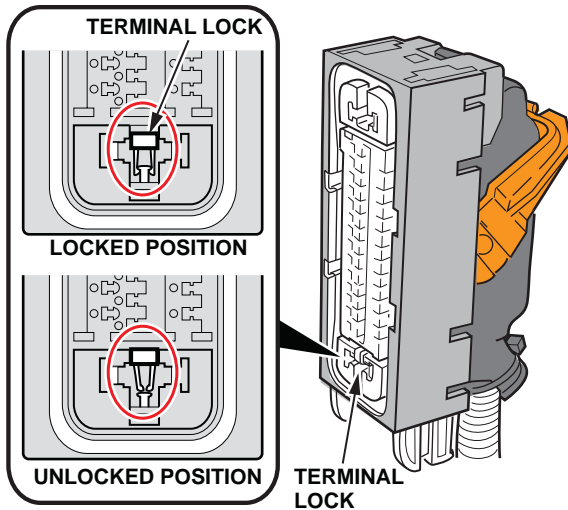


17. Remove the lance release tool, then remove the lance release housing.

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

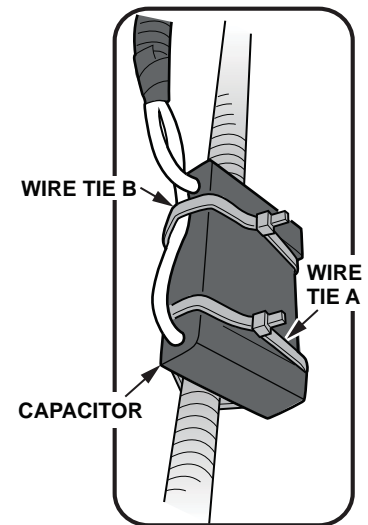
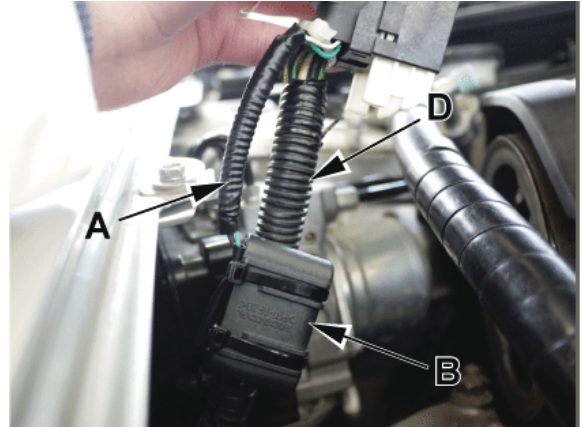


18. Inspect the terminal lock to make sure it is in the locked position.



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 Tire (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.