



INSTALLATION INSTRUCTIONS

Accessory
REMOTE CONTROL ENGINE STARTER

Application
2009 PILOT

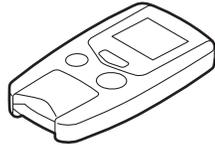
Publications No.
All 39404-39646

Issue Date
MAY 2008

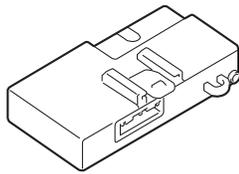
PARTS LIST

Remote Control Engine Starter Unit Kit P/N 08E91-E22-101A

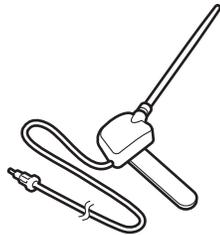
Transmitter



Control unit



Antenna



Key ring



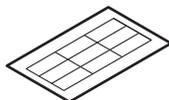
Protective tape



Caution label



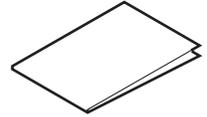
Fuse label



Accessory User's Information Manual

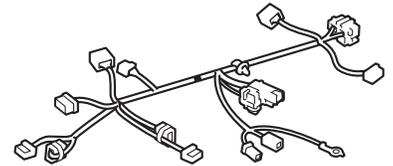


Quick start guide

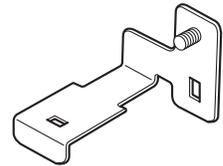


Remote Control Engine Starter Attachment Kit P/N 08E92-SZA-100

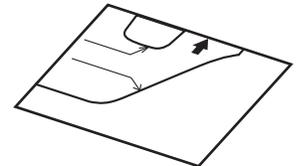
Engine starter harness



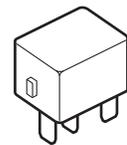
Control unit bracket



Template



2 Relays



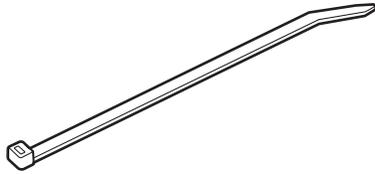
Flange nut



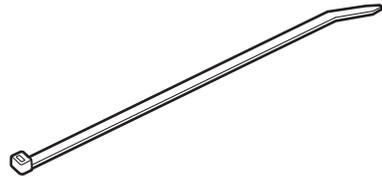
Ground bolt



16 Wire ties



Long wire tie



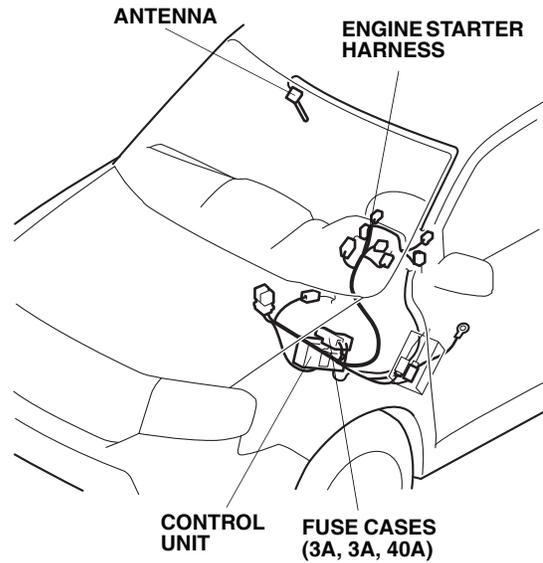
5 Urethane tapes



TOOLS AND SUPPLIES REQUIRED

Flat-tip screwdriver
Phillips screwdriver
Small flat-tip screwdriver
Ratchet
8 mm and 10 mm Sockets
Combination wrench
Isopropyl alcohol
Shop towel
Tape measure
Scissors
Small rubber mallet
Honda Diagnostic System (HDS)
Masking tape
Needle nose pliers
Plastic trim tool
T/N SILTRIMTL 10

Illustration of the Engine Starter Installed on the Vehicle



INSTALLATION

Customer Information: The information in this installation instruction is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely add equipment to your vehicle. These procedures should not be attempted by “do-it-yourselfers.”

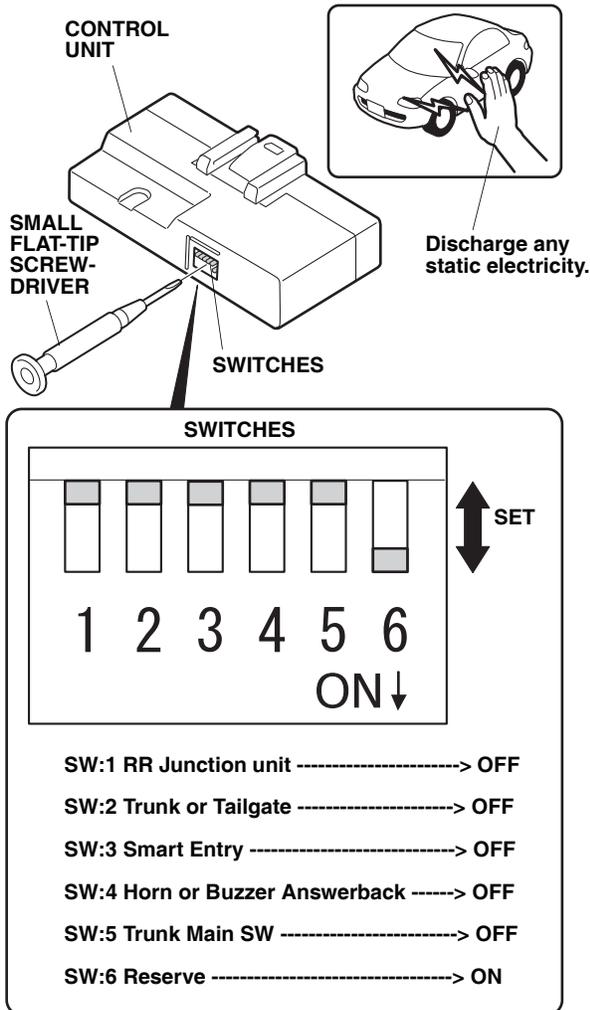
NOTE:

This antenna should only be installed if the ambient air temperature 15°C (60°F) or above.

1. Make sure you have the anti-theft code for the radio, then write down the radio station presets.
2. Disconnect the negative cable from the battery.

Setting the Control Unit

3. Touch the metal part of the screwdriver to any metal part of the vehicle to discharge any static electricity.



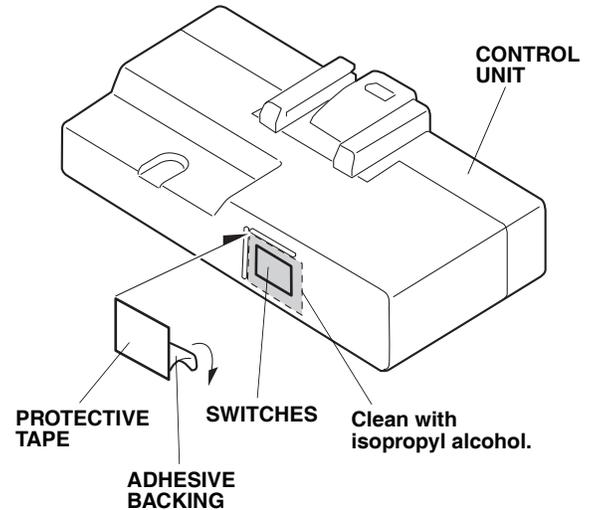
4. Check a location of the switches on the control unit.

NOTE:

- The switches must be selected before the control unit is plugged in.
- If the switch setting is not correct the remote engine starter will not operate correctly.
- If you change the switch settings with the unit connected, you must disconnect the unit then reconnect it before the settings change.

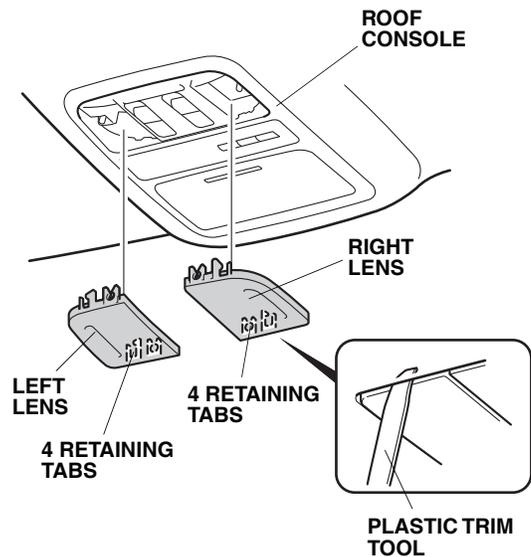
5. Using a small flat-tip screwdriver, adjust the switches on the control unit as shown.

6. Using isopropyl alcohol on a shop towel, clean the area where the protective tape will attach. Remove the adhesive backing from the protective tape, attach the protective tape to the control unit over the switches.

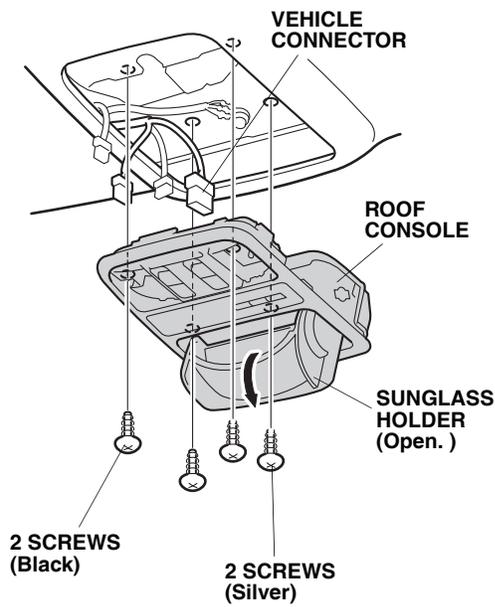


Removing the Vehicle Parts

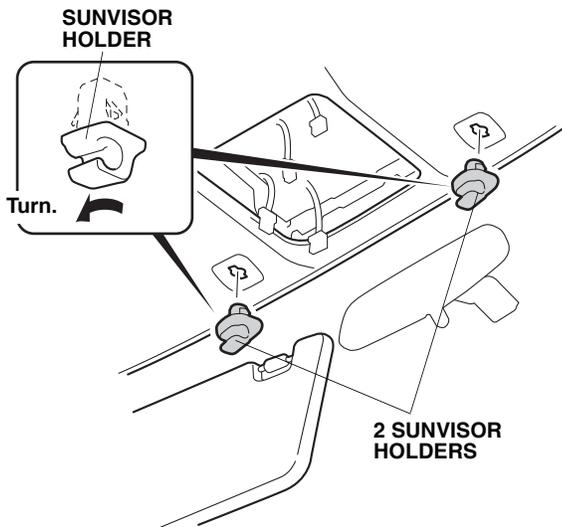
7. Using a plastic trim tool, disengage the eight retaining tabs and remove left and right lens from the roof console.



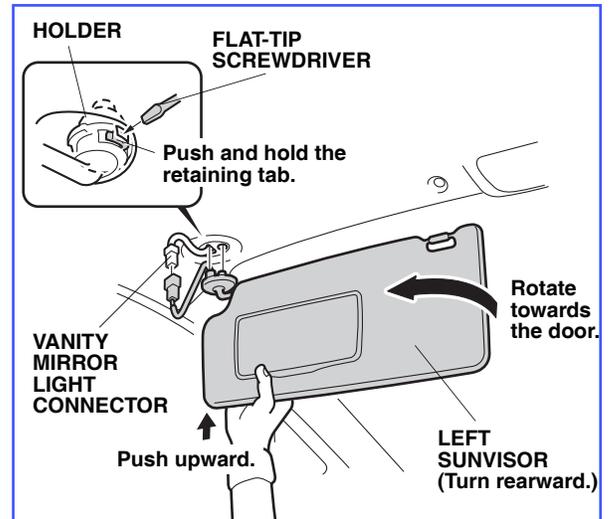
- Open the sunglass holder.



- Remove the roof console (two black screws, two silver screws, and unplug the vehicle connectors).
- Rotate the two sunvisor holders 45°, and remove the two sunvisor holders.

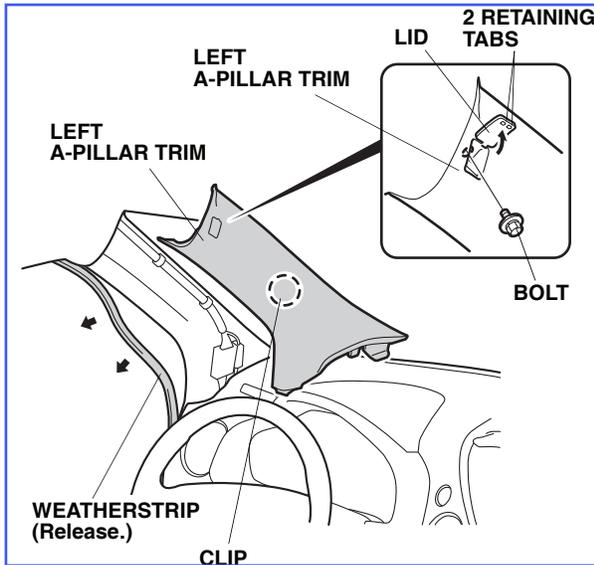


- Flip down the left sunvisor.

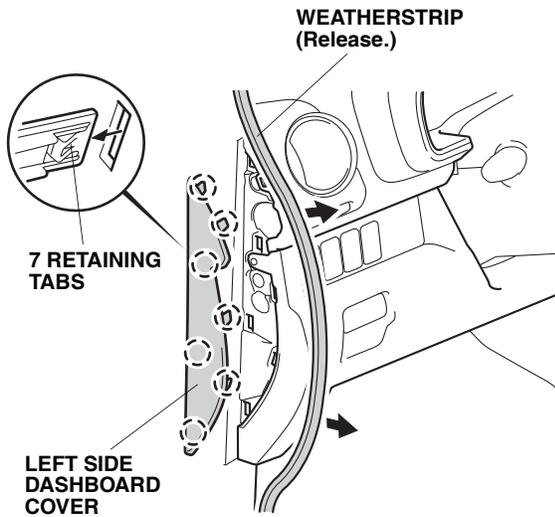


- Locate the slot in the sunvisor holder, and insert a flat-tip screwdriver into the slot. Push in and hold the retaining tab.
- While holding the retaining tab, push up on the left sunvisor and rotate towards the door to remove the sunvisor. Unplug the vanity mirror light connector. If the retaining tab did not stay pushed in, return the left sunvisor to its original position and repeat steps 11 through 13.

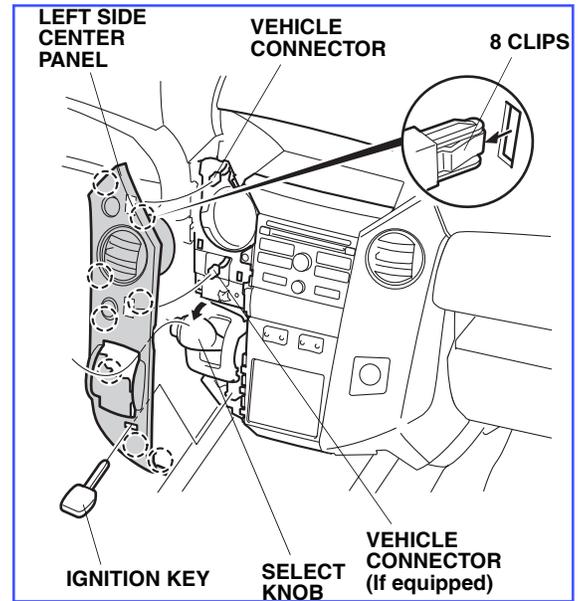
- Using a plastic trim tool, open the lid of the left A-pillar trim (two retaining tabs).



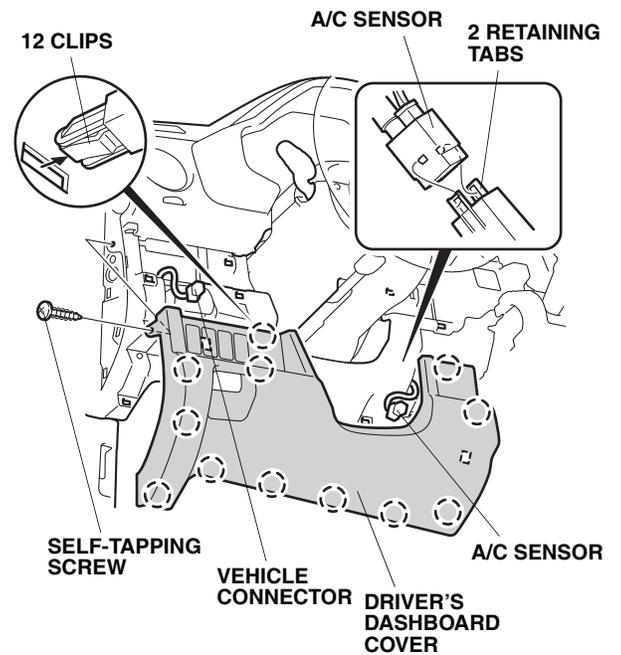
- Remove the bolt from the left A-pillar trim.
- Remove the weatherstrip and remove the left A-pillar trim (one clip).
- Pull off the weatherstrip, remove the left side dashboard cover (seven retaining tabs).



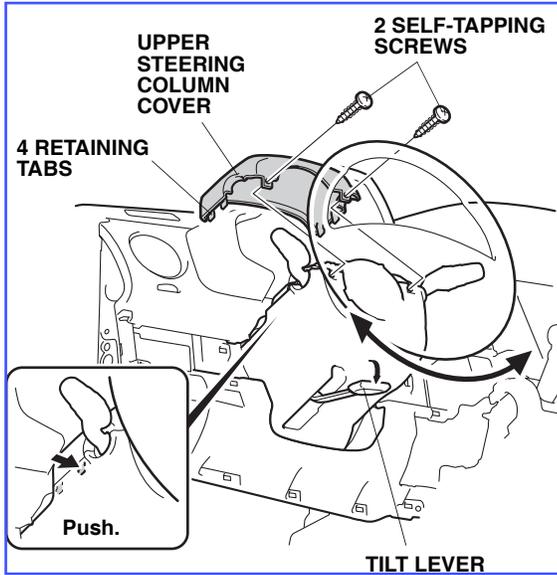
- Shift the select knob to "D" position by pressing down on the shift lock stopper with the ignition key. Remove the left side center panel (eight clips and unplug the vehicle connectors).



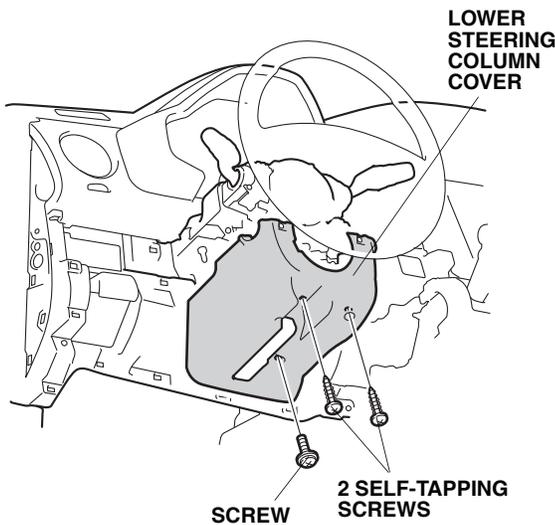
- Remove the driver's dashboard lower cover (12 clips, one self-tapping screw and unplug the vehicle connectors). Remove the A/C sensor (two remaining tabs).



20. Lower the tilt lever and pull the steering wheel out.

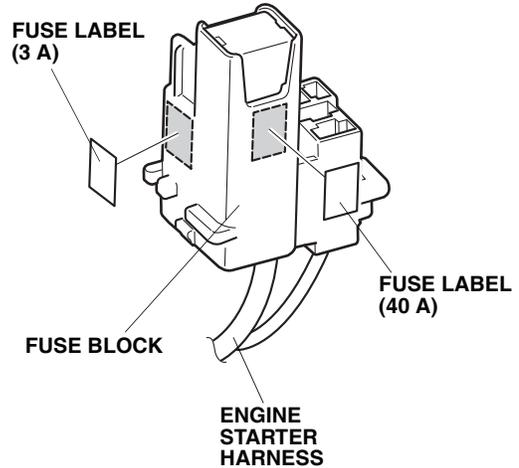


21. Remove the upper steering column cover:
- Remove the two self-tapping screws.
 - Push the upper cover inward at the areas shown to release the four retaining tabs.
22. Remove the lower steering column cover (two self-tapping screws and one screw).

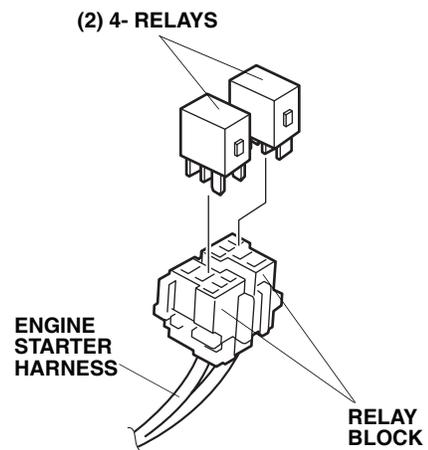


Routing the Engine Starter Harness

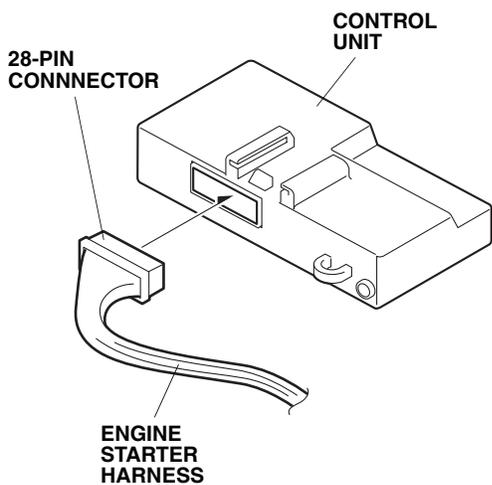
23. Attach the one 40 A fuse label to the engine starter harness fuse block.



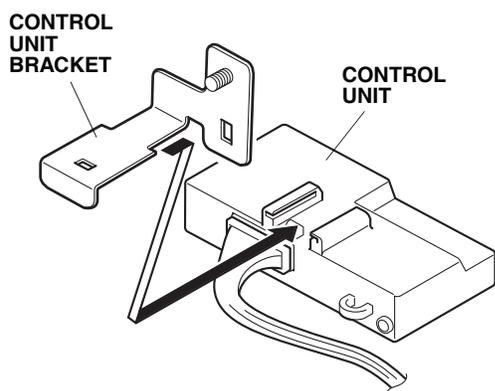
24. Attach the 3 A fuse label to the engine starter harness fuse block.
25. Install the two relays to the engine starter harness relay blocks.



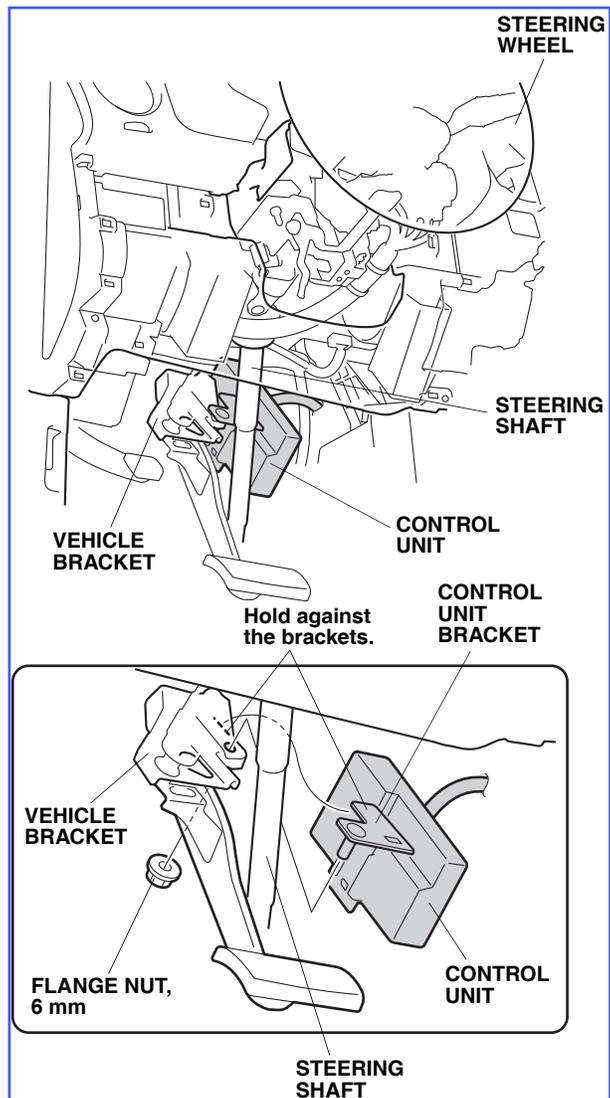
26. Plug the engine starter harness 28-pin connector into the control unit.



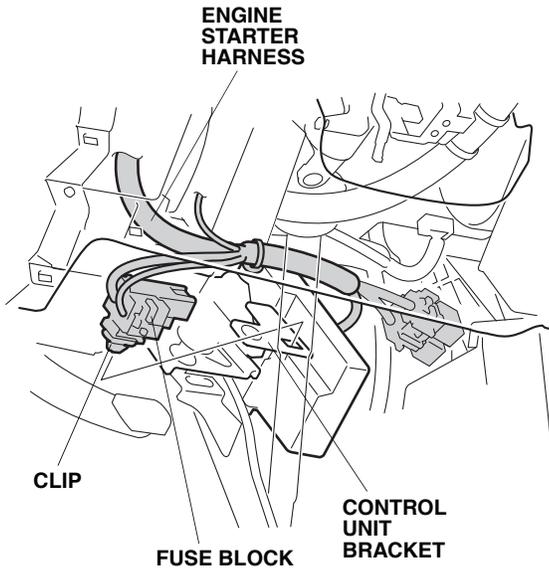
27. Install the control unit bracket to the control unit.



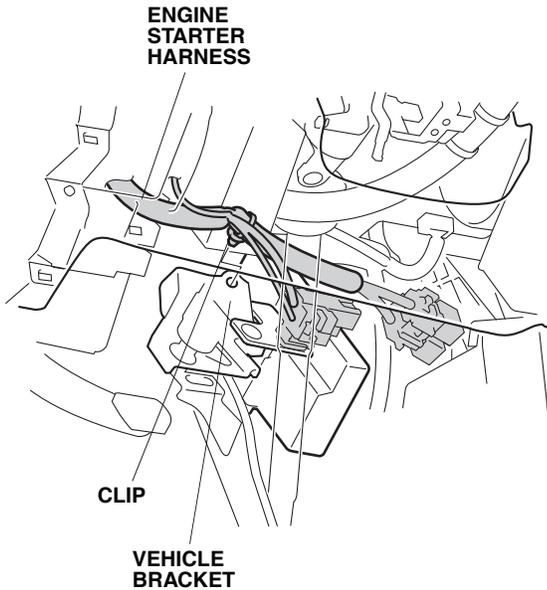
28. Secure the control unit to the vehicle bracket with a 6 mm flange nut.



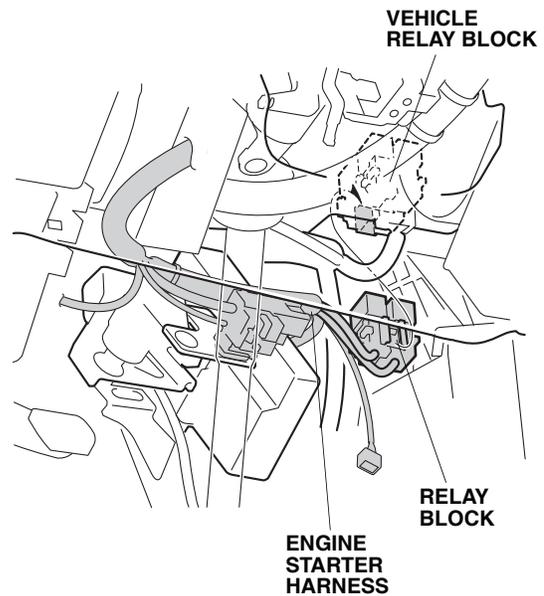
29. Install the engine starter harness fuse block clip on the control unit bracket.



30. Install the engine starter harness clip on the vehicle bracket.

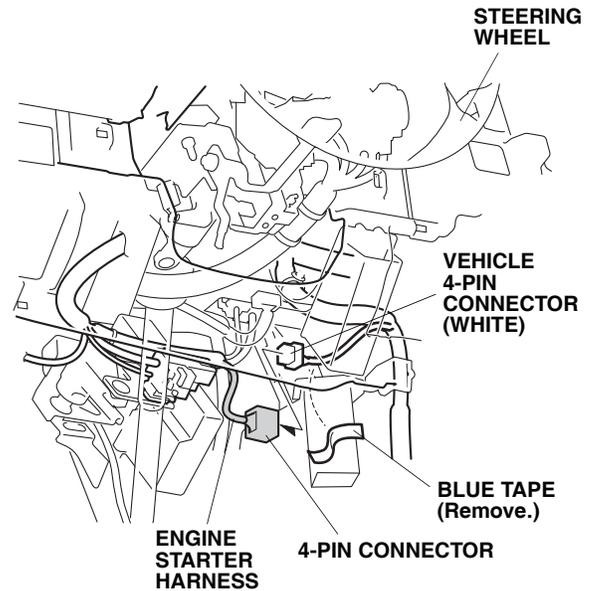


31. Route the engine starter harness relay block to the right side of the vehicle.

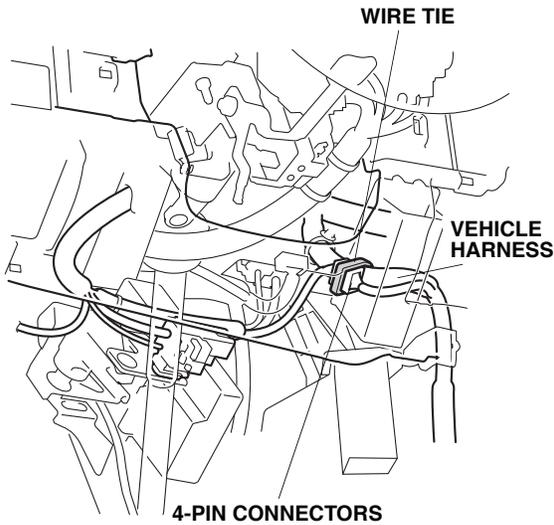


32. Install the engine starter harness relay block on the vehicle relay block.

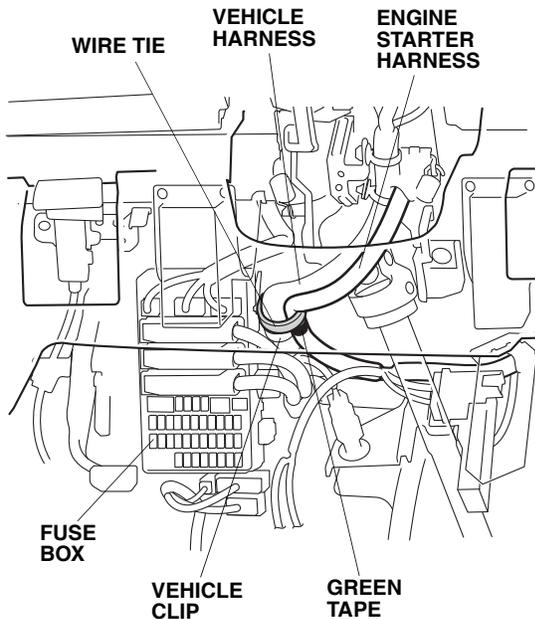
33. Remove the blue tape from the vehicle 4-pin connector . Plug the engine starter harness 4-pin connector to the vehicle 4-pin connector.



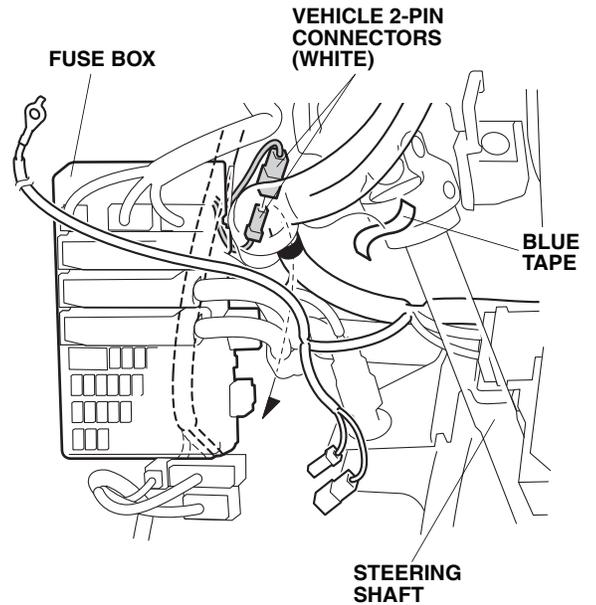
34. Secure the 4-pin connector to the vehicle harness with one wire tie.



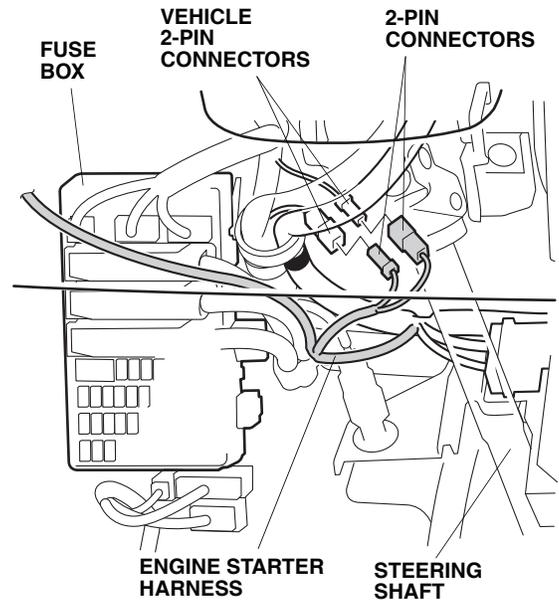
35. Align the green-taped part of the engine starter harness with the vehicle clip. Secure the engine starter harness to the vehicle harness with one wire tie.



36. Locate and remove the blue tape from the vehicle 2-pin connectors (white), and unplug the vehicle 2-pin connectors as shown.

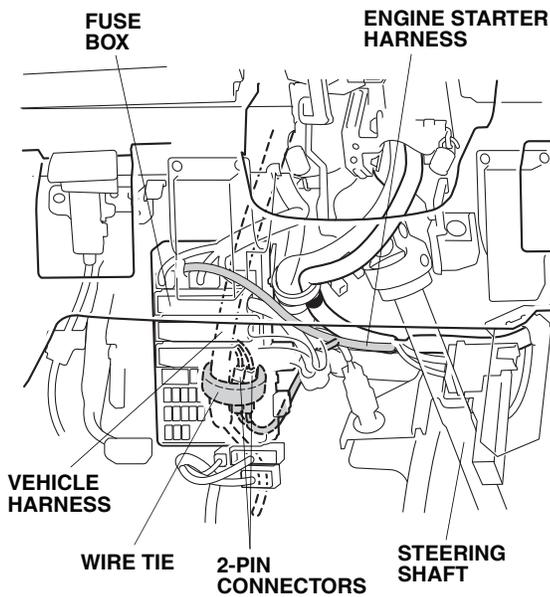


37. Plug the engine starter harness 2-pin connectors to the vehicle 2-pin connectors as shown.

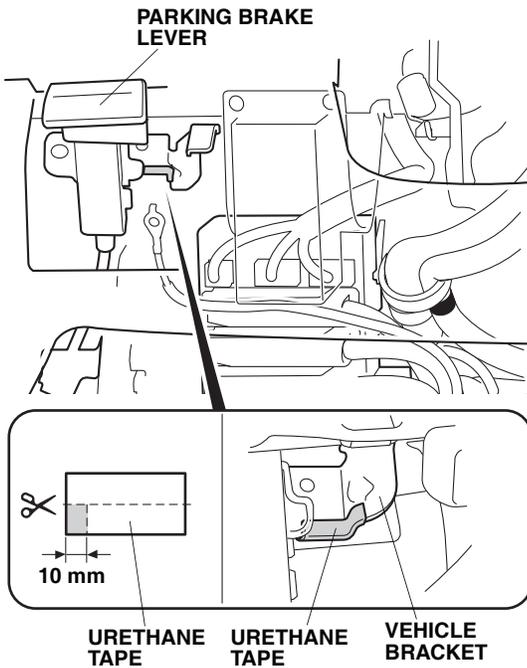


38. Route the engine starter harness 2-pin connectors behind the fuse box as shown.

39. Secure the 2-pin connectors to the vehicle harness with one wire tie.

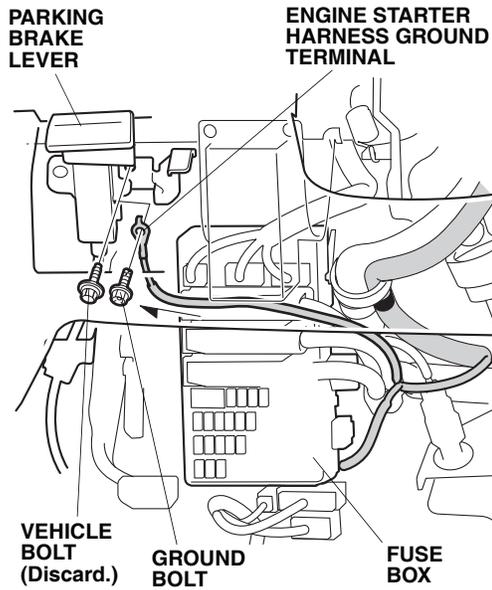


40. Cut the urethane tape into two equal parts, and cut one half of the urethane tape to the dimension shown.



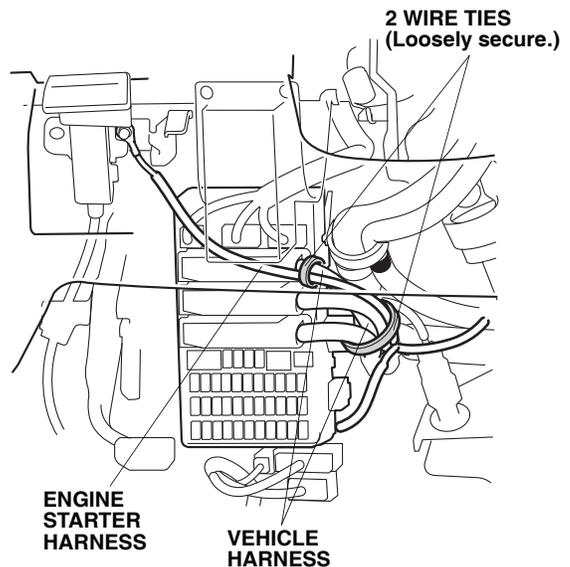
41. Clean the vehicle bracket surface where the urethane tape will attach with isopropyl alcohol. Attach the urethane tape that you cut in step 40 to the vehicle bracket as shown.

42. Route the engine starter harness ground terminal as shown.

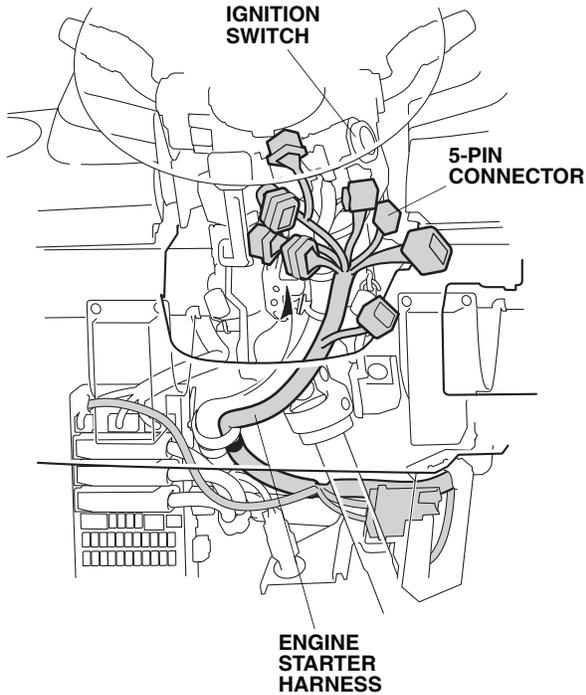


43. Remove and discard the vehicle bolt near the parking brake lever, install the engine starter harness ground terminal with the ground bolt including the kit.

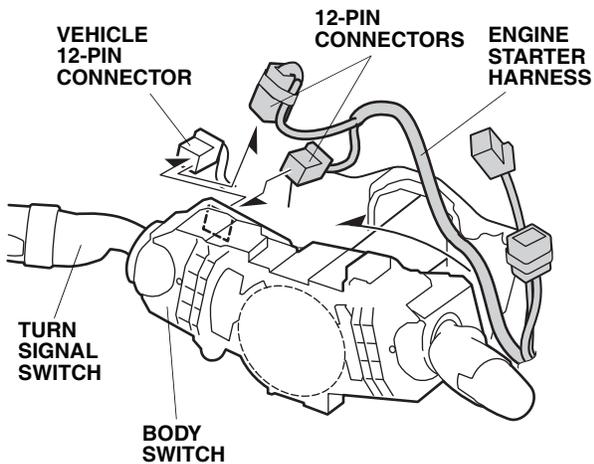
44. Loosely secure the engine starter harness to the vehicle harness with two wire ties.



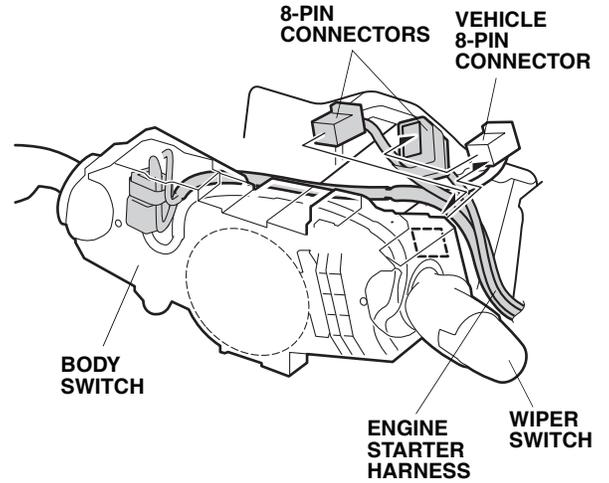
45. Route the engine starter harness 5-pin connector to the ignition switch.



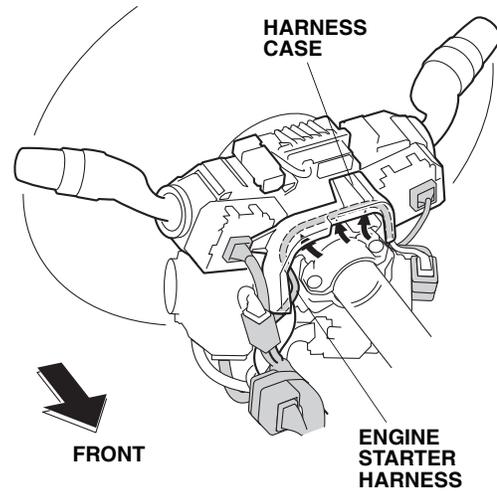
46. Unplug the vehicle 12-pin connector, and plug it into the engine starter harness 12-pin connectors. Plug the remaining engine starter harness 12-pin connector into the turn signal switch.



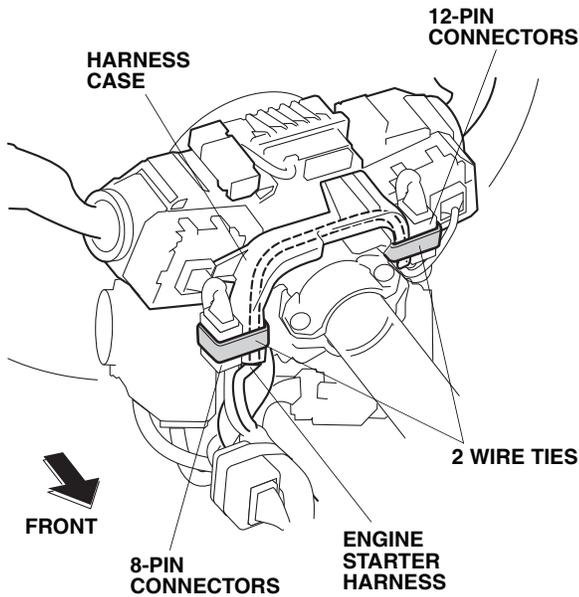
47. Unplug the vehicle 8-pin connector, and plug it into the engine starter harness 8-pin connectors. Plug the remaining engine starter harness 8-pin connector into the wiper switch.



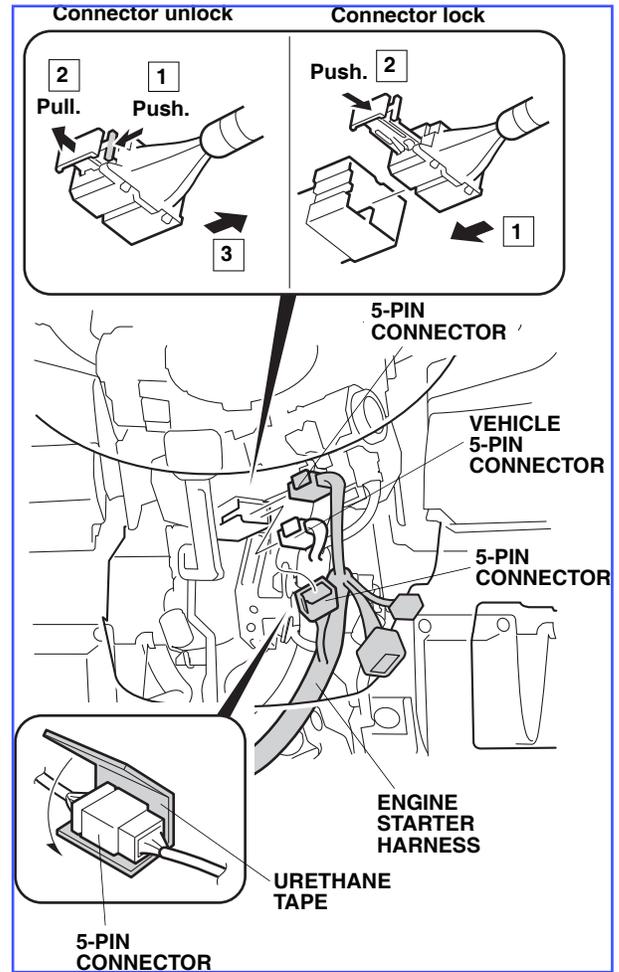
48. Route the engine starter harness into the harness case.



49. Secure the 12-pin and 8-pin connectors to the harness case with two wire ties.



50. Unplug the vehicle 5-pin connector from the ignition switch, and plug the engine starter harness 5-pin connector into the ignition switch.

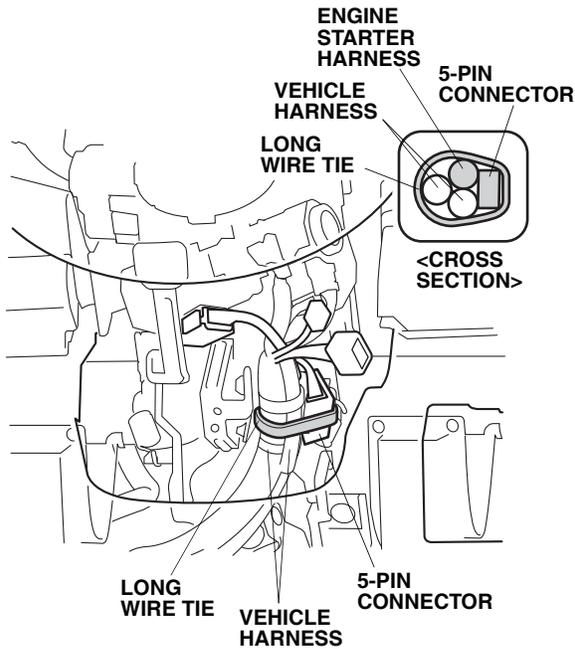


51. Plug the engine starter harness 5-pin connector into the vehicle 5-pin connector.

NOTE: Check that the engine starter harness 5-pin connector is connected to the vehicle connector and locked securely. A loosely connected can cause engine to stall during driving.

52. Wrap one urethane tape around the joint 5-pin connector.

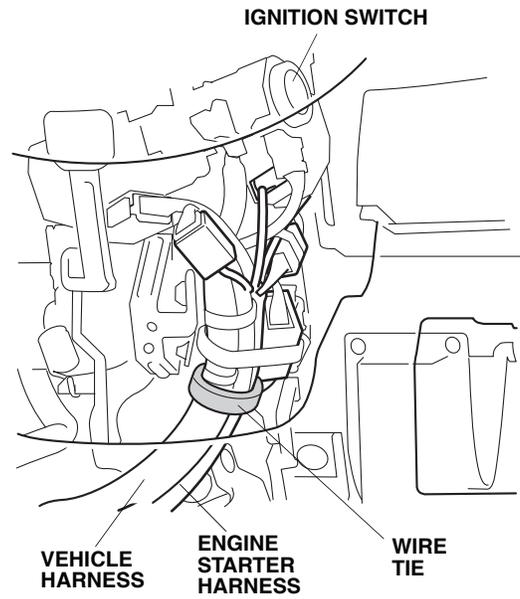
53. Secure the joint of the engine starter harness 5-pin connector and vehicle 5-pin connector to the between the vehicle harness and the engine starter harness with one long wire tie.



54. Unplug the vehicle 7-pin connector from the ignition switch, and plug the engine starter harness 7-pin connectors to the ignition switch and vehicle 7-pin connector.

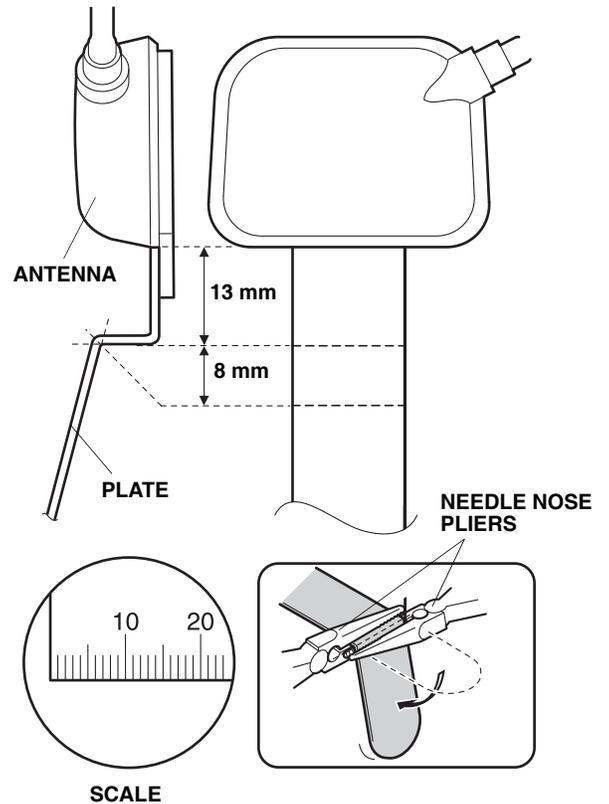


55. Secure the engine starter harness to the vehicle harness with one wire tie as shown.

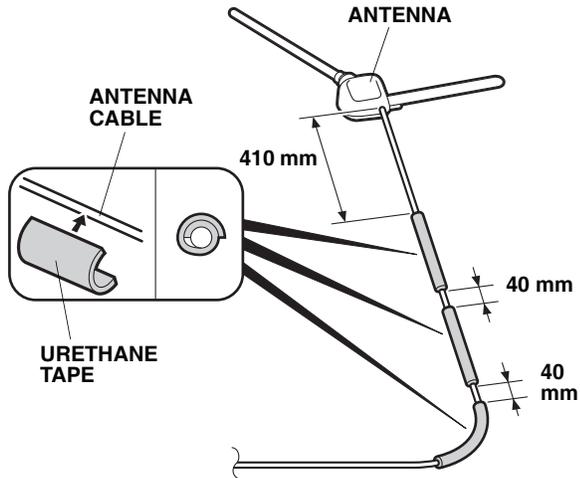


Antenna Installation

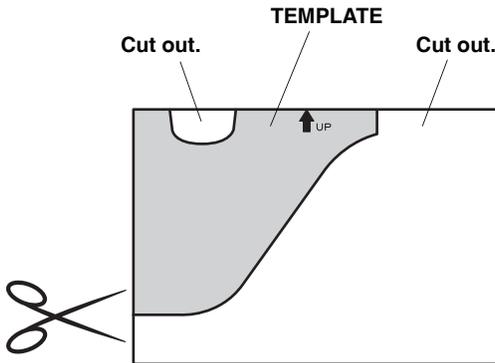
56. Bend the antenna plate according to the full scale drawing shown. You can easily work two needle nose pliers as shown



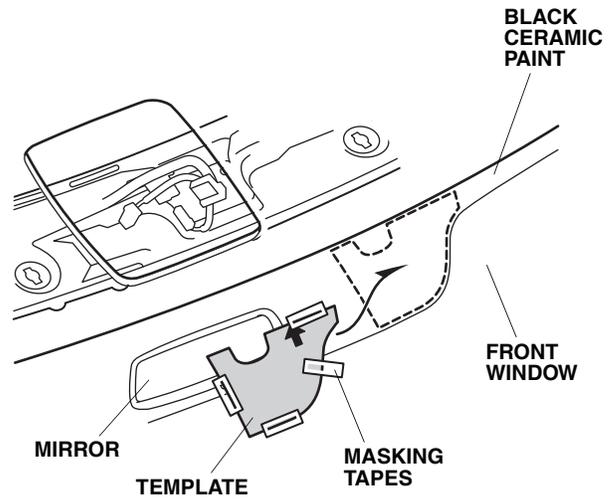
57. Starting near the antenna end of the cable, wrap three urethane tapes around the antenna cable at the measurements shown.



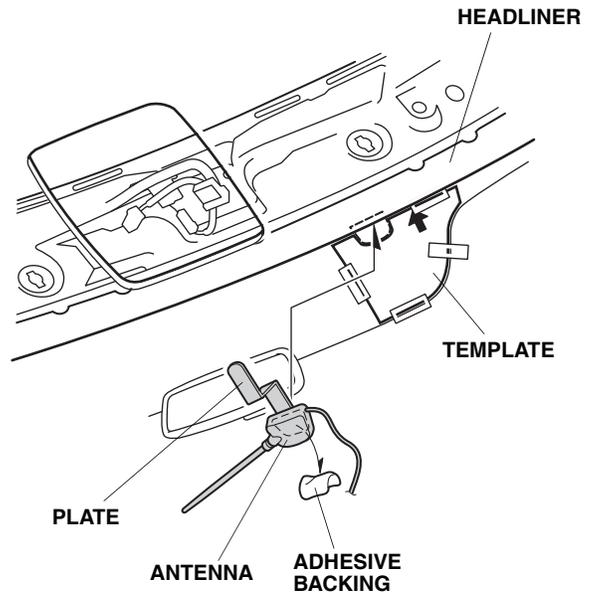
58. Using scissors, cut out the template.



59. Secure the template to the windshield with masking tapes by aligning it with the edge of the black ceramic paint as shown.

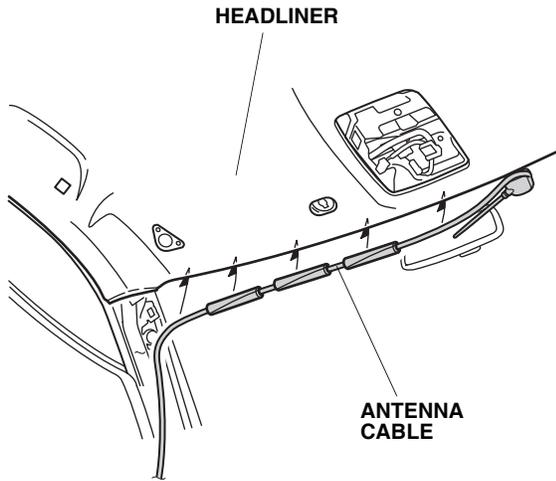


60. Using isopropyl alcohol on a shop towel, clean the area where the antenna will attach. Allow to dry before proceeding.

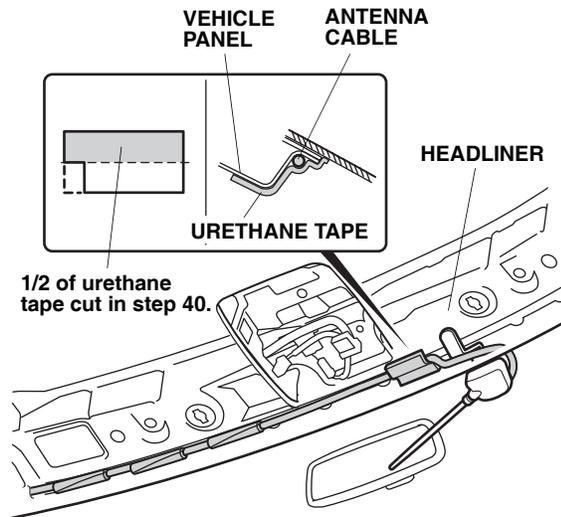


61. Remove the adhesive backing from the antenna, insert the antenna plate under the headliner, and attach the antenna to the windshield aligning the template.
62. Remove the template.

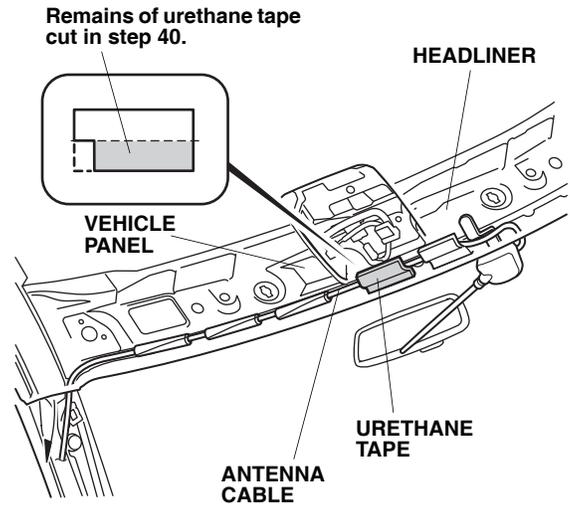
63. Route the antenna cable to the left side of the vehicle, and push it into the headliner as shown. Be careful not to crease the headliner.



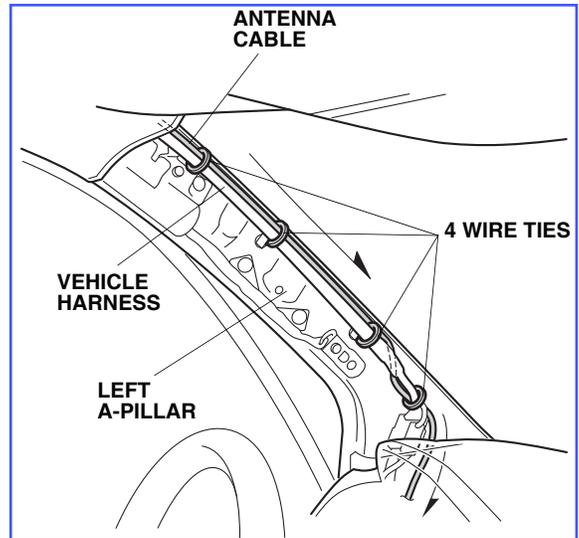
64. Clean the vehicle panel surface where the urethane tape will attach with isopropyl alcohol. Secure the antenna cable to the vehicle panel with the smaller part urethane tape that you cut into two in step 40. Be careful not to crease the headliner.



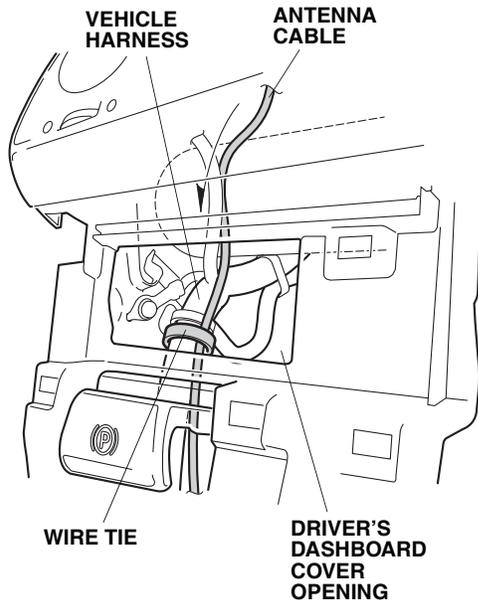
65. Clean the vehicle panel surface where the urethane tape will attach with isopropyl alcohol. Secure the antenna cable to the vehicle panel with the remaining part of the urethane tape you cut in step 40. Be careful no to crease the headliner.



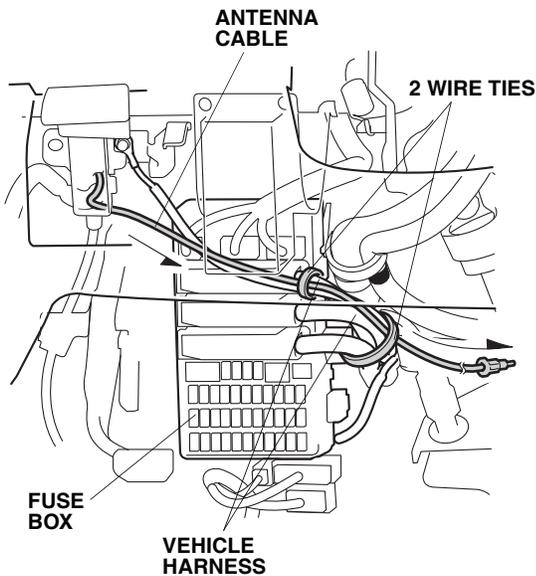
66. Route the antenna cable along the left A-pillar and secure the antenna cable to the vehicle harness with four wire ties as shown.



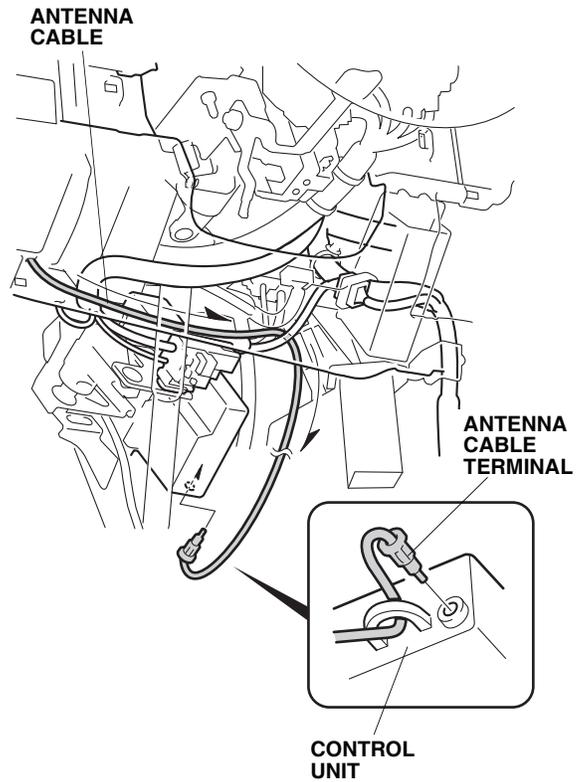
67. Secure the antenna cable to the vehicle harness with one wire tie.



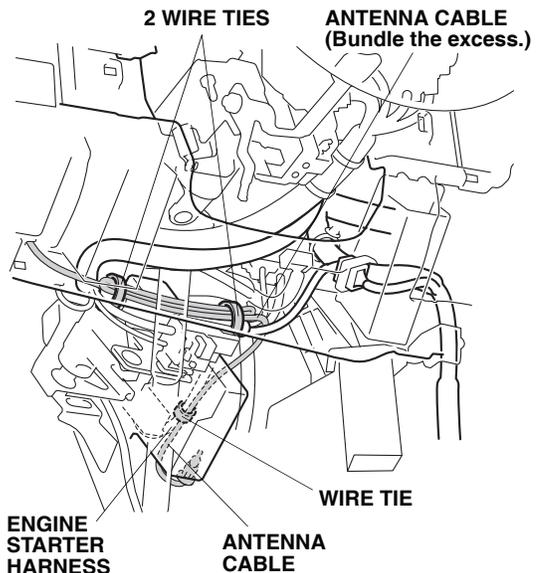
68. Route the antenna cable along the engine starter harness. Secure the antenna cable to the vehicle harness with the two wire ties that loosely secure the engine starter harness in step 44.



69. Route the antenna cable terminal to right side of the vehicle, and plug it to the control unit as shown.

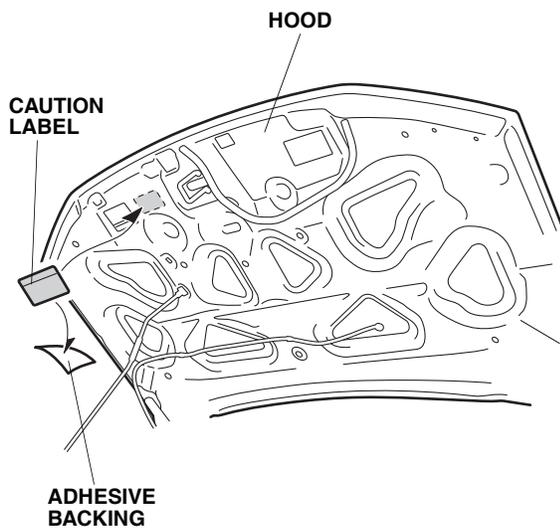


70. Secure the engine starter harness and antenna cable with one wire tie as shown.



71. Bundle the excess of the antenna cable. Secure the antenna cable to the engine starter harness with two wire ties.

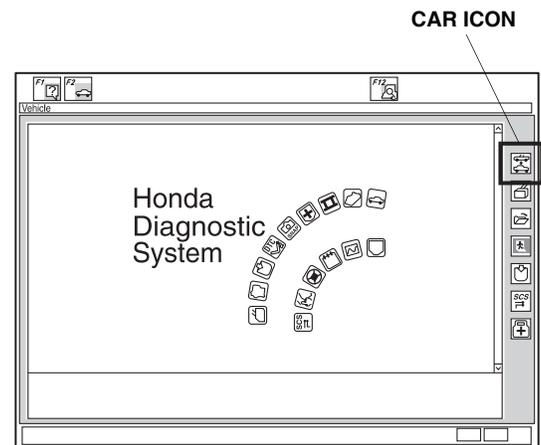
- Using isopropyl on a shop towel, clean the hood where the caution label will attach.



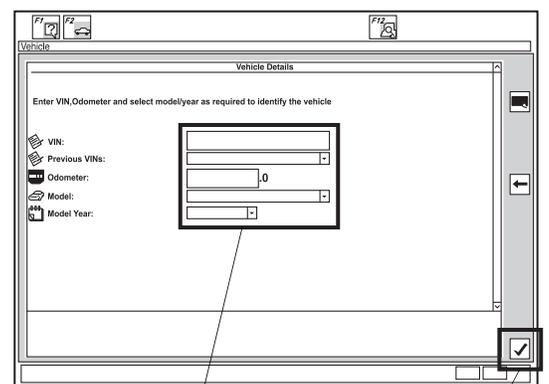
- Attach the caution label to the hood in the area shown.
- Check that all wire harnesses and cables are routed properly and that all connectors are plugged in.
- Reinstall all removed parts. Check that all clips and other fasteners are installed securely. Take care not to pinch the side curtain airbag with the clip during reinstallation of the left front A-pillar trim. Do not push the front pillar trim excessively.
- Reconnect the negative cable to the battery. Check that the electrical accessory and other electrical systems function properly.
- Enter the customer's radio anti-theft code and reset the radio station presets.
- Reset the clock on models without navigation.
- Do the "REMOTE ENGINE STARTER REGISTRATION" and "FUNCTION CHECK."

REMOTE ENGINE STARTER REGISTRATION

- Acquire the PCM Code from the Interactive Network.



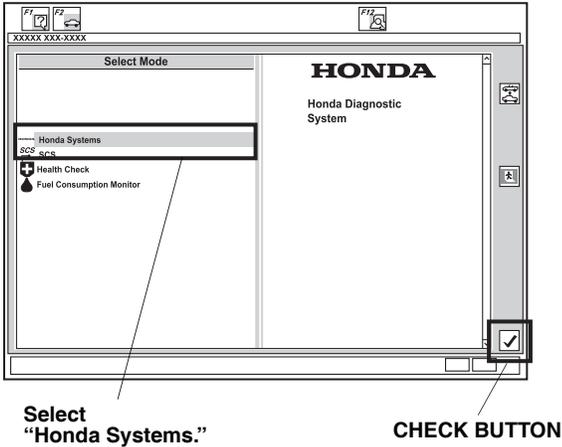
- Connect the HDS tester to the OBD II data link connector, then turn the ignition switch to the ON (II).
- Start the HDS, and click the car icon.
- Input the VIN and other required information into the HDS, then click the check button.



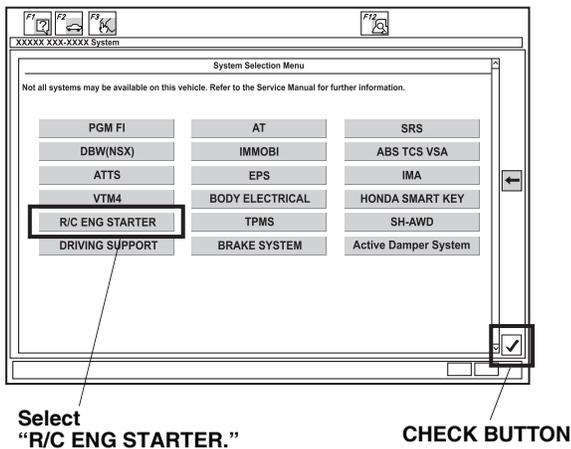
Input the VIN and other required information.

CHECK BUTTON

- Select the **Honda Systems**, then click the check button.

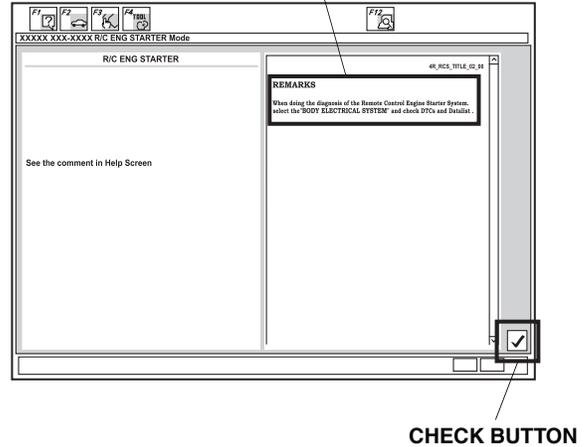


6. Select the **R/C ENG STARTER** and click the check button.

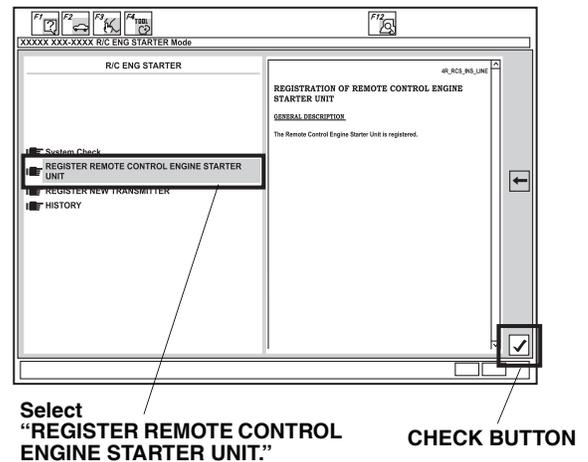


7. A **REMARKS** message will display. Click on the check button.

A "REMARKS" message.

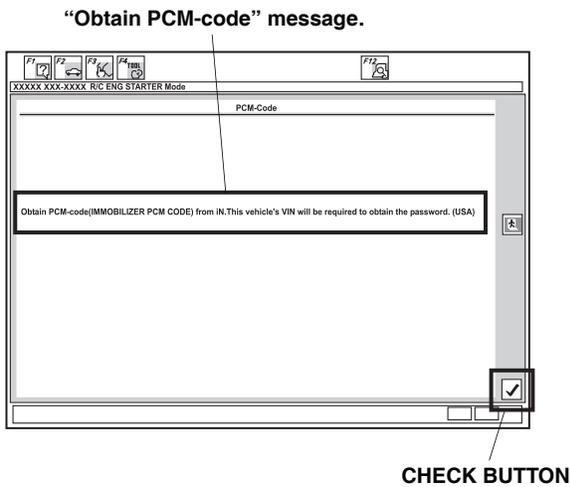


8. Select **REGISTER REMOTE CONTROL ENGINE STARTER UNIT**, then click the check button.

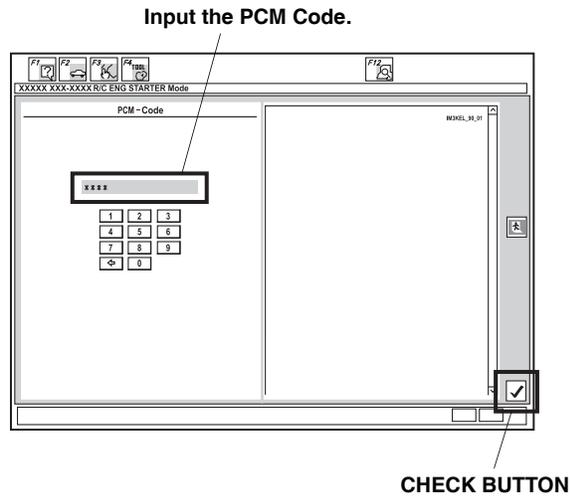


9. The following message will display: **Obtain PCM-code (IMMOBILIZER PCM CODE) from iN.** This

vehicle's VIN will be required to obtain the password. (USA). Click on the check button.

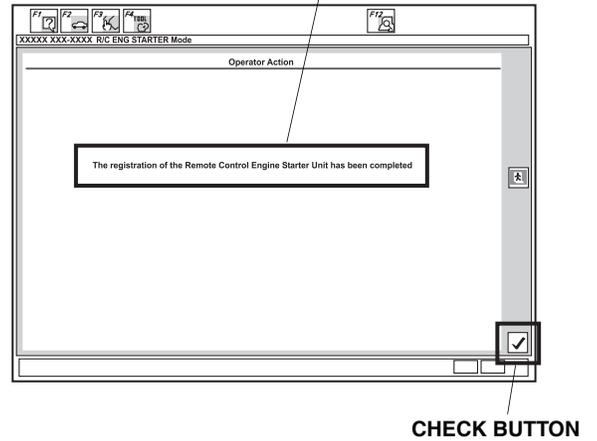


- Input the PCM Code, then click the check button.
NOTE: To ensure security, the PCM code (password) is changed everyday, so it is impossible to register the remote control engine starter if the dates of the PCM code acquisition and registration are different. The date of the HDS tester should also be the same.



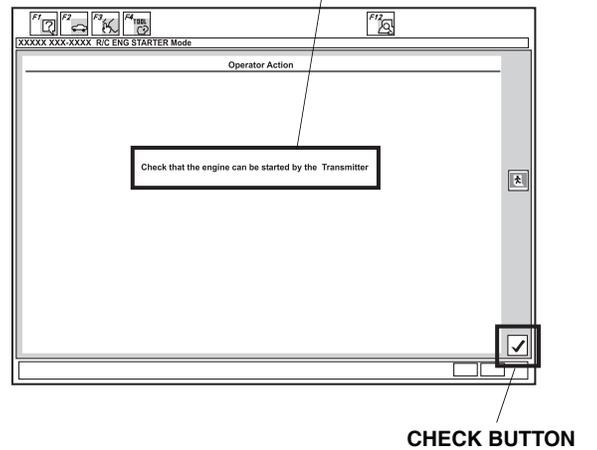
- The following message will display: **The registration of the Remote Control Engine Starter Unit has been completed.** Click on the check button.

“The registration of the Remote Control Engine Starter Unit has been completed”.



- The following message will display: **Check that the engine can be started by the Transmitter.** is shown, then click on the check button.

“Check that the engine can be started by the Transmitter”.



- Perform the function test on the next page then disconnect the HDS.

FUNCTION CHECK

Operating Conditions

- Hood is closed
- Shift lever in park
- The key is out of the ignition
- All doors and tailgate closed and locked

Inspection

1. Within 1 second, press the command button, and then the start button on the transmitter.
The engine should start if all operating conditions are met.

Does the engine start?

Yes - Operation is normal.
No: <ul style="list-style-type: none">• Make sure all "Operating Conditions" are met.• Check the engine starter harness connections.• Connect the HDS and check for an indicated failure. (Refer to the appropriate service manual for details.)

2. Press the command button on the transmitter, and within 1 second, press the stop button. The engine should stop.

Does the engine stop?

Yes - Operation is normal.
No - Check the engine starter harness connections.

3. After the engine has stopped, start the engine again, and check that the engine stops after each of the following conditions:

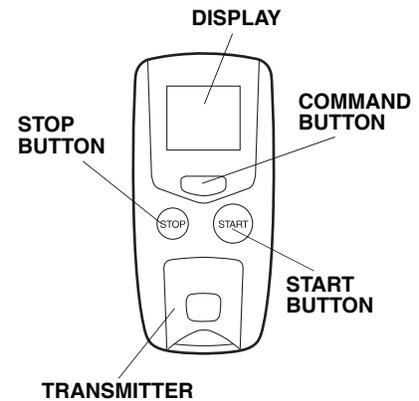
NOTE:

- After each test the ignition key must be cycled, or the driver's door must be opened and closed.
 - Move the shift lever out of the P position.
 - Unlock or open the doors or the tailgate.
 - Open the hood.
 - Insert the key in the ignition.
 - Press on the brake pedal.

Does the engine stop after each of these tests?

Yes - Operation is normal.
No - Check the engine starter harness connections.

4. Check that the power window or the moon roof does not function when the engine is started with the transmitter.
5. Press the command button on the transmitter two times and check the vehicle condition on the display.



6. Check the operation of the transmitter when the vehicle is 100 m to 150 m (325 to 490 ft.) away, and in direct sight.

How to Program an Additional Transmitter

1. Connect the HDS to the data link connector.
2. Start the HDS and click on the car icon.
3. Input the vehicle's VIN and other required information.
4. Select **Honda Systems**.
5. Select **R/C Engine Starter**.
6. Select **REGISTER NEW TRANSMITTER**.
7. When "Ready to program the new transmitter" shows, select **ENTER**.
8. Press and release the Command button.
9. Press and release the Stop button.
10. Perform the function check on both transmitters.

NOTE: Only 2 remotes can be stored in the system's memory.