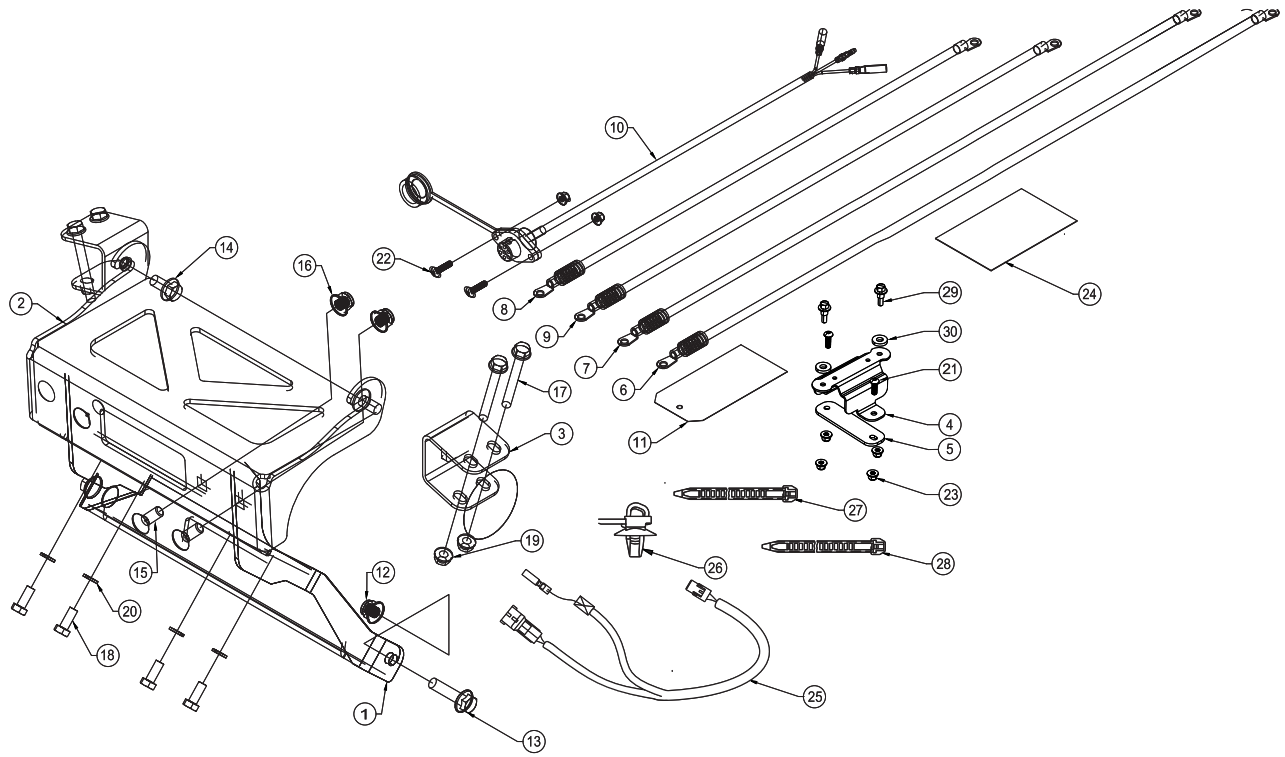
HONDA **INSTALLATION INSTRUCTIONS**	Accessory **WINCH MOUNT KIT P/N 08L70-HL3-A41**	Application **SXS700/M4/M2**	Publication No. **MII 15249** Issue Date **September 2015**

PARTS LIST



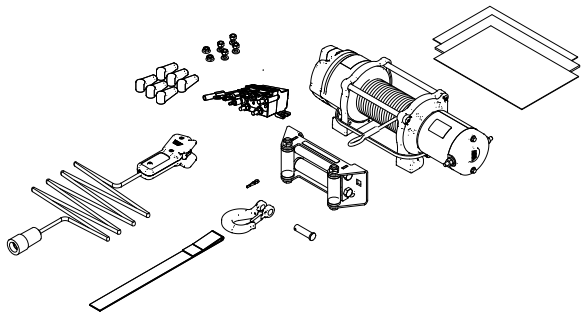
No.	Description	Qty
(1)	Winch bracket	1
(2)	Fairlead bracket	1
(3)	Fairlead C-bracket	2
(4)	Contactor bracket	1
(5)	Rectangular bracket	1
(6)	Black cable	1
(7)	Red cable	1
(8)	Blue cable	1
(9)	Yellow cable	1
(10)	Harness, remote socket	1
(11)	Tag, warning	1
(12)	10 x 1.25 mm lock nut	2
(13)	10 x 1.25 x 40 mm flange bolt	2
(14)	10 x 1.5 x 20 mm flange bolt	2
(15)	10 x 1.5 x 25 mm carriage bolt	4

No.	Description	Qty
(16)	10 x 1.5 mm lock nut	4
(17)	8 x 70 mm flange bolt	4
(18)	8 x 20 mm bolt	4
(19)	8 mm flange nut	4
(20)	8 mm lock washer	4
(21)	5 x 16 mm socket screw	2
(22)	5 x 20 mm socket screw	2
(23)	Lock nut, 5 mm	6
(24)	Installation Instruction URL	1
(25)	Winch sub harness	1
(26)	Band, harness clip	1
(27)	Zip-tie, short	3
(28)	Zip-tie, long	10
(29)	Shoulder bolt 5 mm	2
(30)	Rubber washer	2

© 2015 Honda Motor Co., Ltd. - All Rights Reserved.

WINCH
Sold separately P/N 08L74-HL3-A41

The Winch is required for the installation of this accessory.



CUSTOMER INFORMATION:

The information in these installation instructions is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely add equipment to your SxS. These procedures should not be attempted by "Do-it-yourselfers."

BEFORE YOU BEGIN

This kit utilizes a WARN SxS winch. Please read WARN's Winching Technique guide provided with the winch prior to use of this product.

TOOLS AND SUPPLIES REQUIRED

Socket, (8, 10, 12, 13, 14, 15 mm)

Open end wrench (12, 13, 15 mm)

Socket extension, 6 inch

Ratchet

Torque wrench

Hex wrench (3 and 5 mm)

Power drill

Drill bit (1/4 inch)

Step drill bit (with 7/8 inch capacity)

TORQUE CHART

Tighten all screws, bolts, and nuts to their specified torque values. Refer to the Service Manual for the torque values of the removed parts.

Item	N·m	kgf·m	lbf·ft
4 mm screw	3	0.3	3
5 mm bolt and nut	5.2	0.5	3.8
6 mm bolt and nut	10	1.0	7
8 mm bolt and nut	22	2.2	16
10 mm bolt and nut	34	3.5	25

USE AND CARE INFORMATION

- Check the accessory mounts frequently and retighten if necessary.
- Replace this accessory with a new one if it is damaged.
- Inspect all metal parts on the winch, winch mount and related hardware. Replace all parts that appear rusted, cracked, or deformed prior to use.
- Inspect all nuts and bolts on the winch, winch mount, and related hardware prior to each use. Tighten all nuts and bolts that are loose. Missing, stripped, fractured, or bent bolts or nuts need to be replaced immediately.
- Check all cables prior to use. Replace cables that are worn or frayed.
- Check all moving and rotating parts. Remove debris that may inhibit the free movement of any parts.

NOTICE

Failure to perform regular inspections and maintenance on the winch, winch mount, and related hardware may result in vehicle damage.

SAFETY

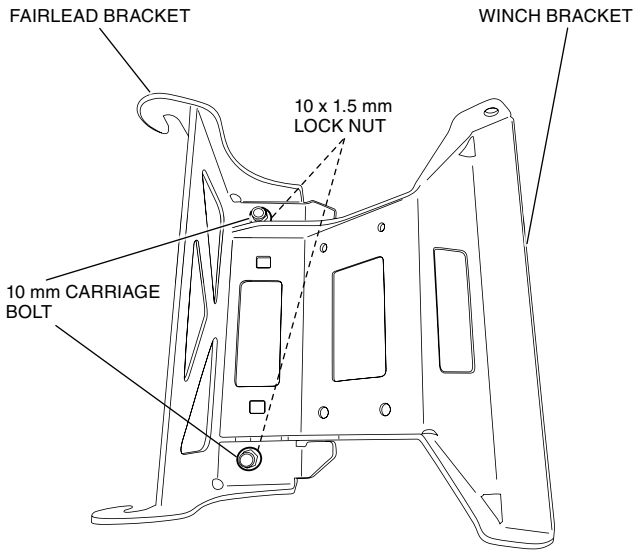
When installing your SxS winch system, read and follow all mounting and safety instructions. Always use caution when working with electricity and verify that there are no exposed electrical connections before energizing the winch circuit. For specifications and performance data, refer to the specification sheet supplied with the winch.

NOTE

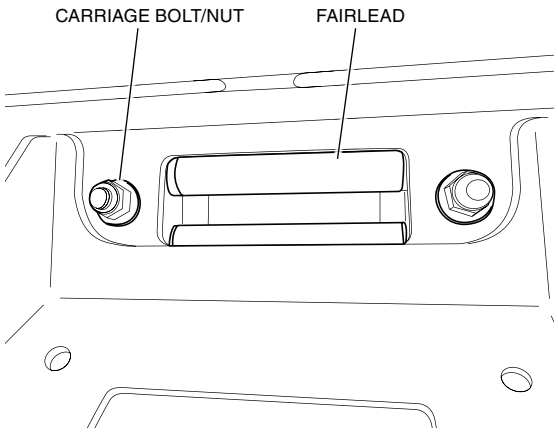
- The 10 mm hardware included in this kit has two different thread pitches.
- Match the bolts with nuts before beginning installation to eliminate threading differently pitched hardware together. This will ensure a smooth installation

INSTALLATION

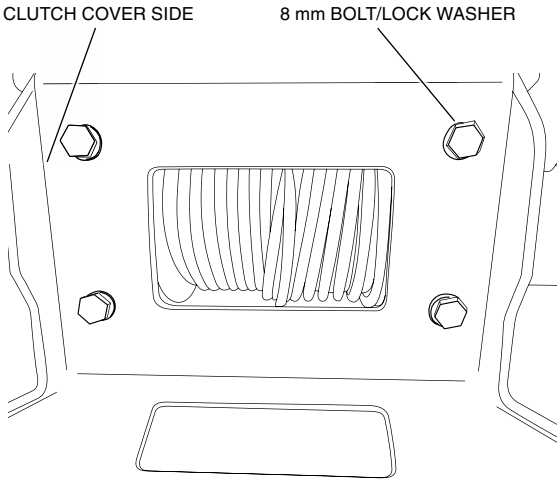
1. Refer to the Service Manual to remove the front bumper.
2. Assemble the fairlead bracket to the winch bracket with the 10 mm carriage bolts and 10 x 1.5 mm lock nuts. Tighten the hardware to the specifications in the torque chart.

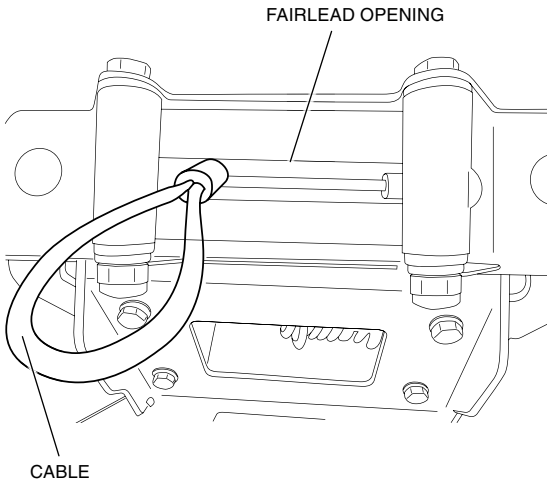


3. Install the fairlead onto the fairlead bracket using the remaining 10 mm carriage bolts and nuts. Tighten the hardware to the specification in the Torque Chart.

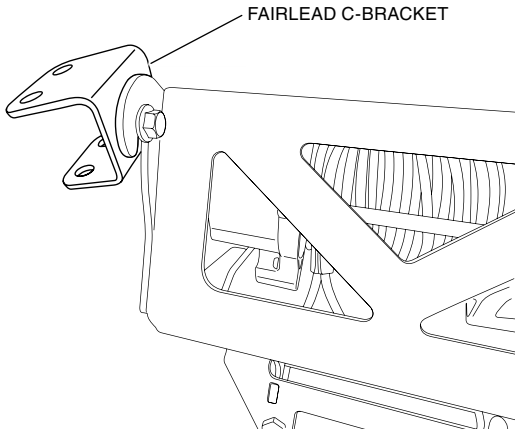


4. Install the winch onto the winch bracket using four 8 x 20 mm bolts with 8 mm lock washers. Be sure that the plastic clutch cover is on the right side of the vehicle and the winch cable goes through the fairlead opening.



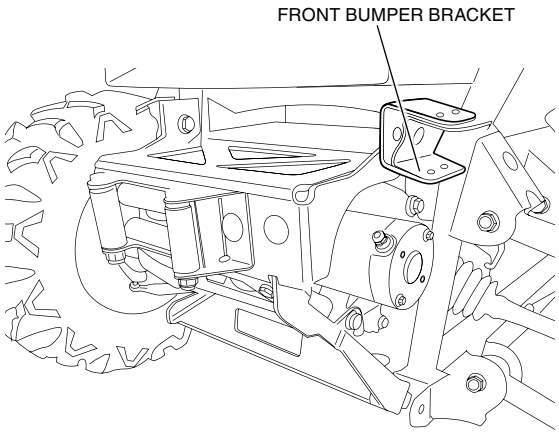


5. Loosely install the fairlead C-brackets using the 10 x 1.5 x 20 mm bolts. The brackets will be adjusted and tightened in a later step.

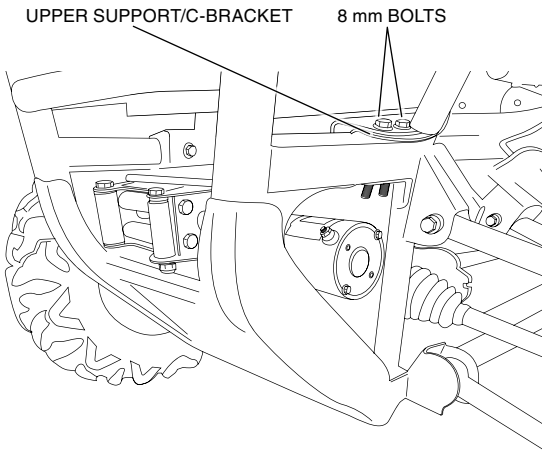


Two people are required for Steps 6 & 7

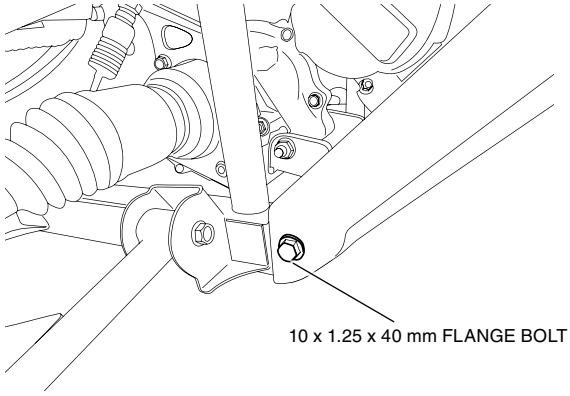
6. Hang the winch assembly from the front bumper brackets as shown.



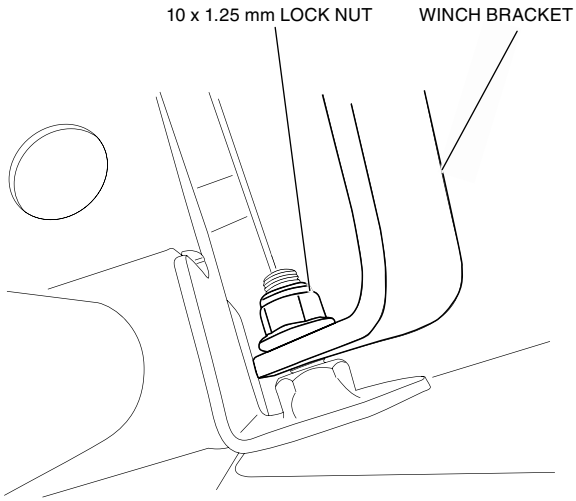
7. While one person supports the winch, have the other person place the front bumper into position and insert four 8 x 1.25 x 70 mm bolts through the C-brackets and upper supports.



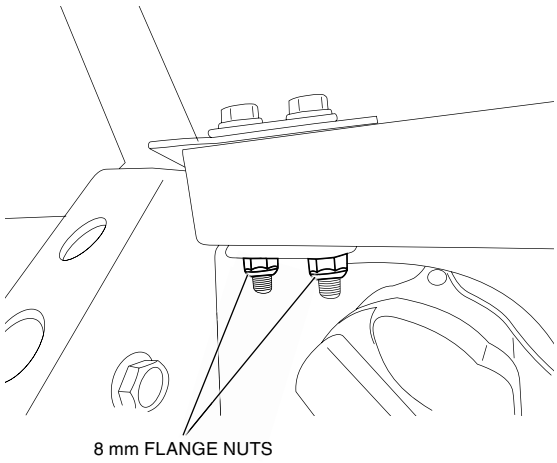
8. Install the 10 x 1.25 x 40 mm flange bolts through the lower bumper mounts and tighten them until the bolt emerges through the inside of the winch bracket.



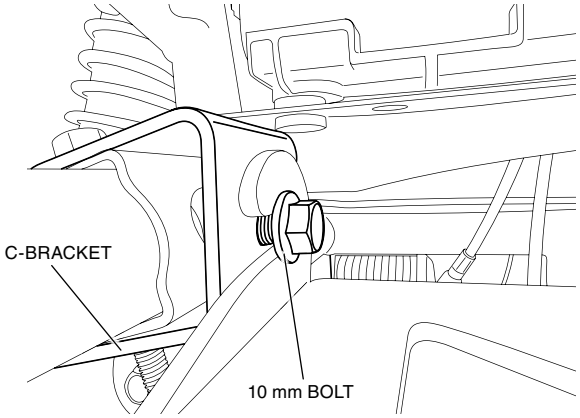
9. Install the 10 x 1.25 mm lock nuts on the bolts installed in Step 8. Hold the bolts as you tighten the nuts to the specification in the torque chart.

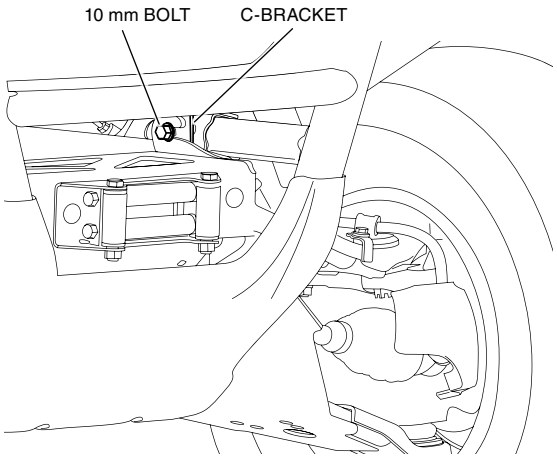


10. Install 8 mm flange nuts on the four bolts installed in Step 7 and tighten them to the specification in the torque chart.

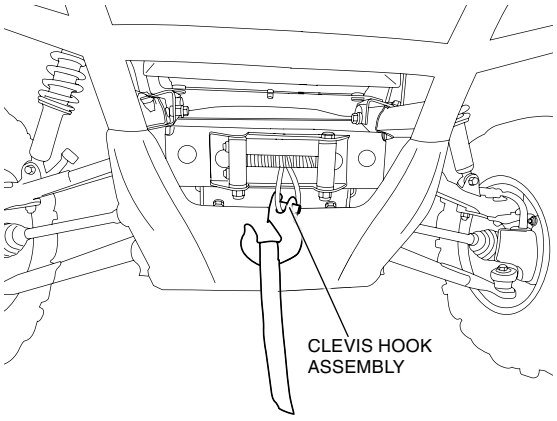


11. Tighten the inner C-bracket bolts to the specification in the torque chart.

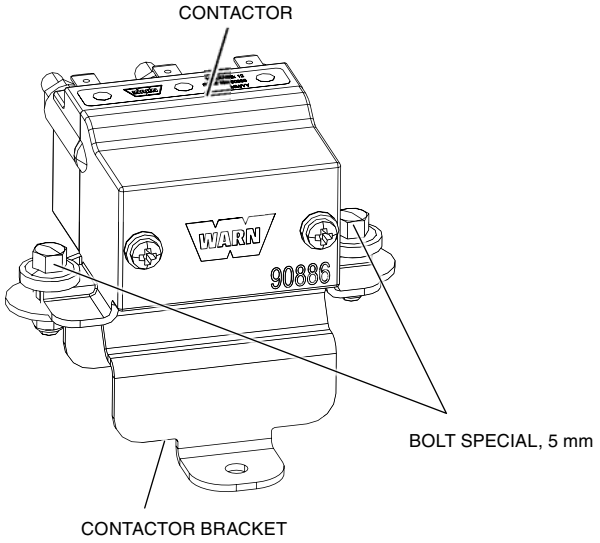




12. Install the clevis hook assembly using the instructions supplied with the Warn winch.



13. Bolt the contactor to the contactor bracket using the two 5mm shoulder bolt.

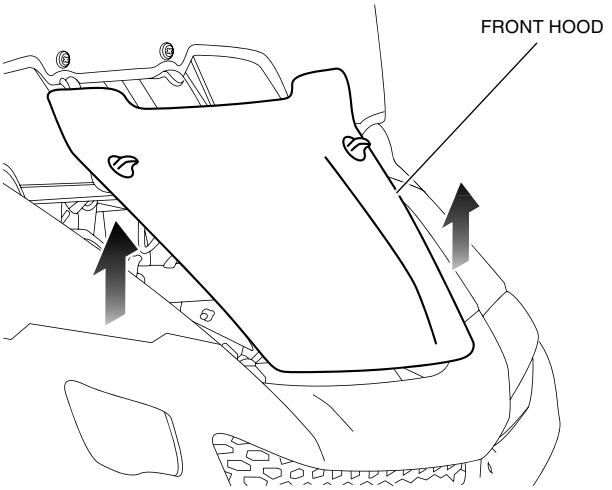


14. Proceed to the ELECTRICAL INSTALLATION section.

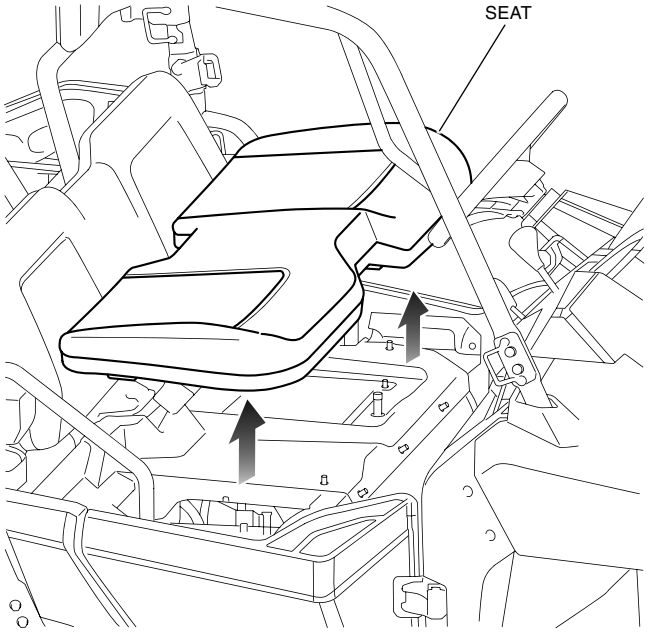
ELECTRICAL INSTALLATION

- Disconnect the negative cable from the battery before installing this accessory.
- The memories of the tripmeter and clock will be erased when you disconnect the battery. Reset the clock after reconnecting the battery.

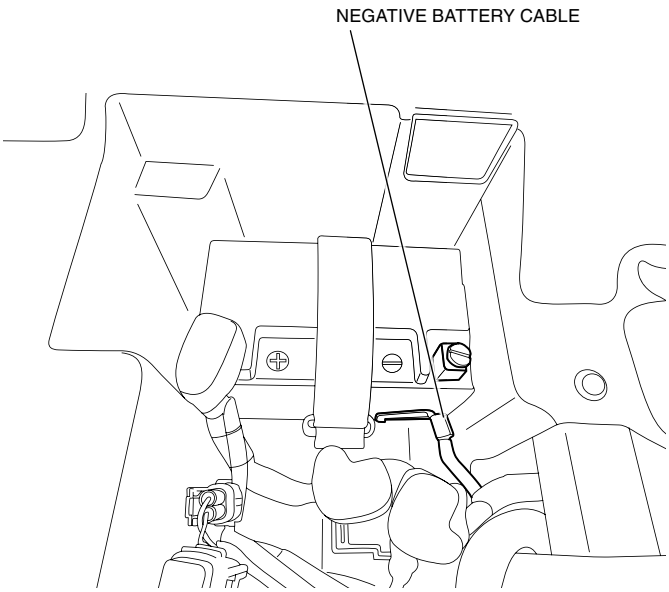
1. Remove the front hood.



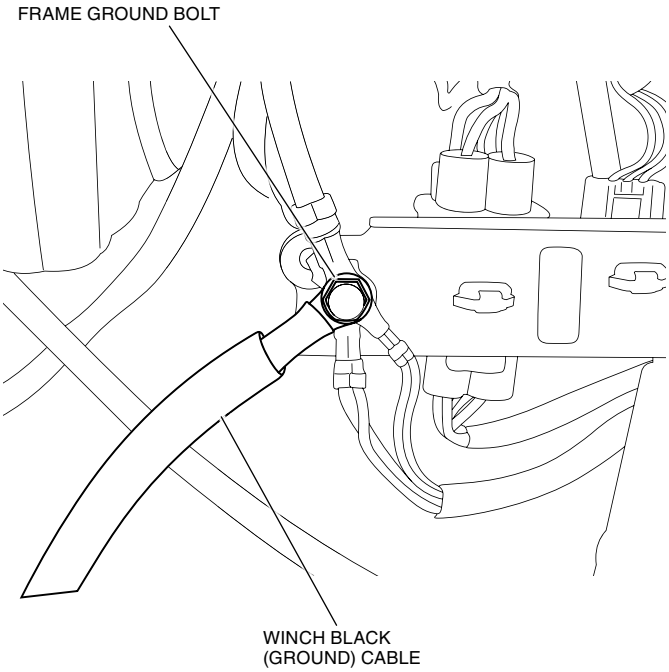
2. Remove the front seat.



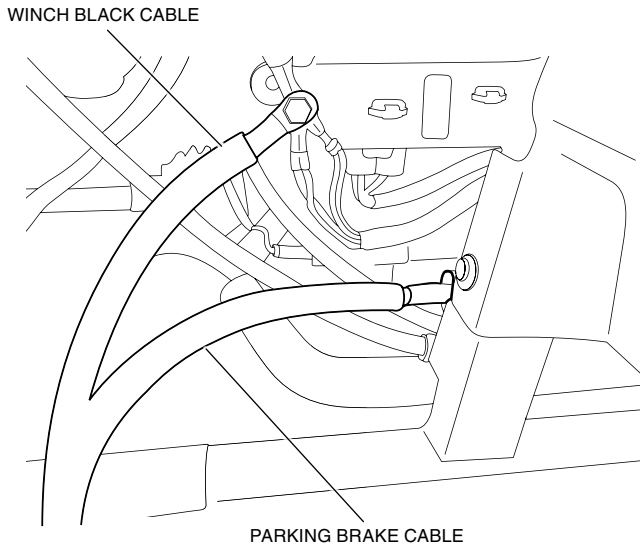
3. Disconnect the negative cable from the battery before installing this accessory.



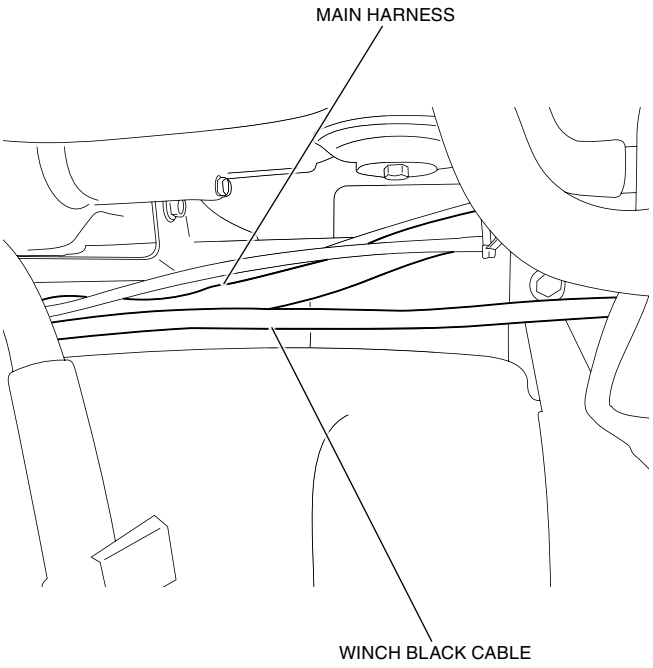
4. Disconnect the vehicle frame ground and add the winch black (ground) cable. Reinstall the ground terminal bolt.



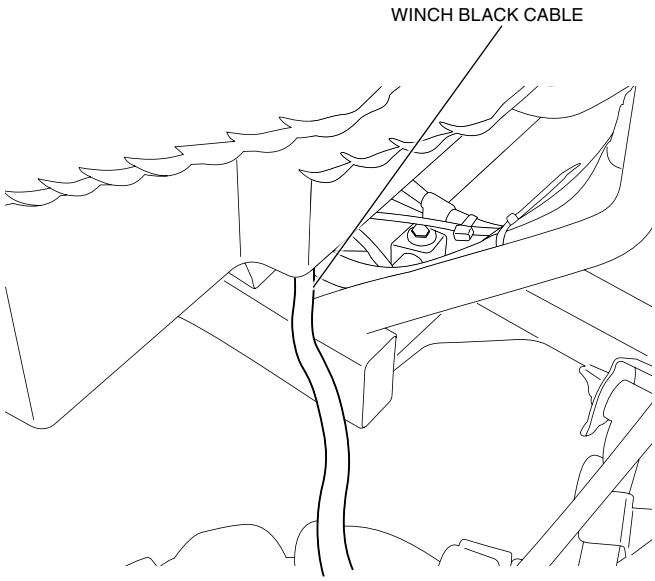
5. Start routing the winch ground cable on top of the vehicle parking brake cable.



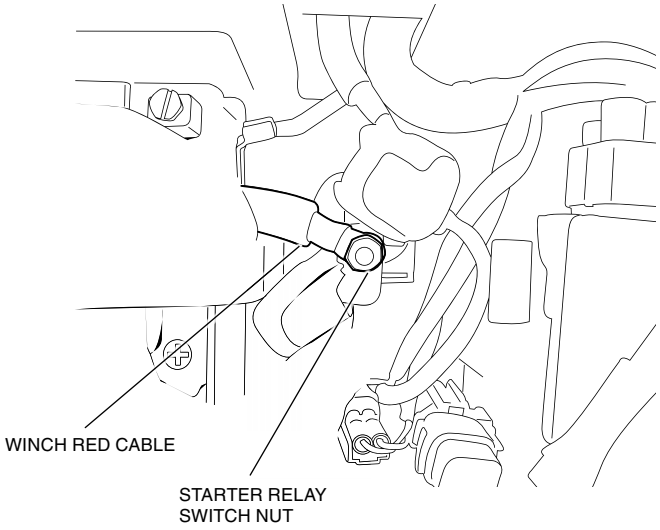
6. Continue routing the winch black cable with the vehicle main harness.



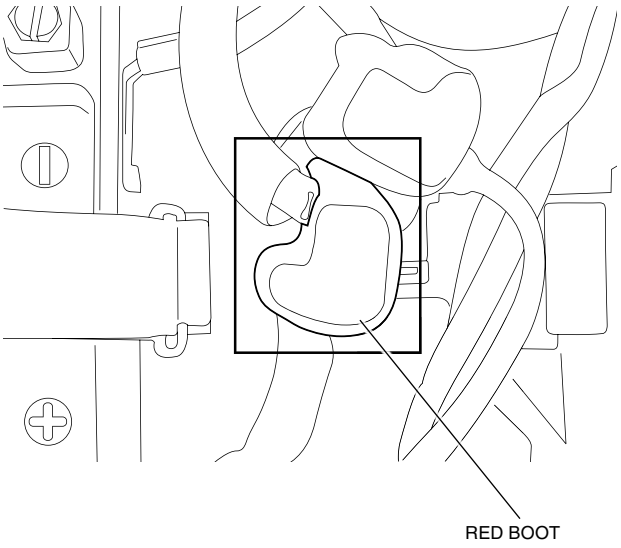
7. Pull the winch black cable out from the vehicle right front wheel well.

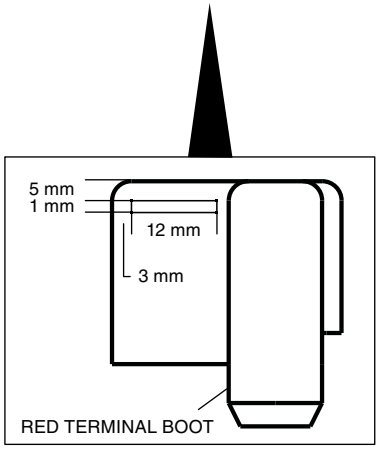


8. Remove the nut from the starter relay switch and install the winch red cable to the terminal.
   Angle the winch red cable as shown and then reinstall the starter relay switch nut.

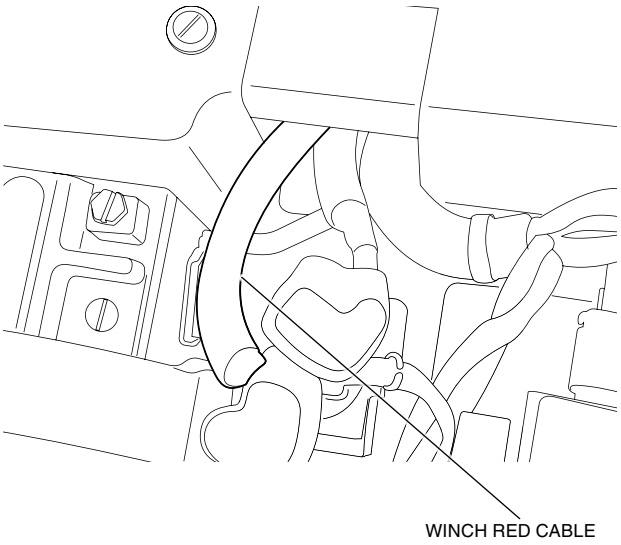


9. Cover the starter relay switch terminal with the red boot.
   - **This will require cutting a slit in the red boot.**

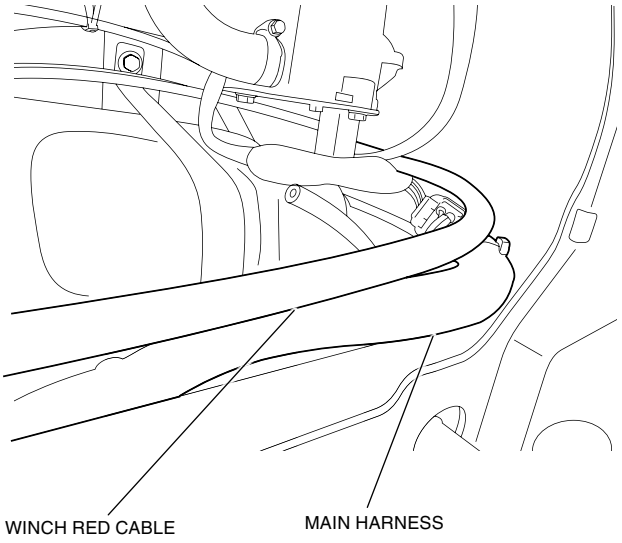




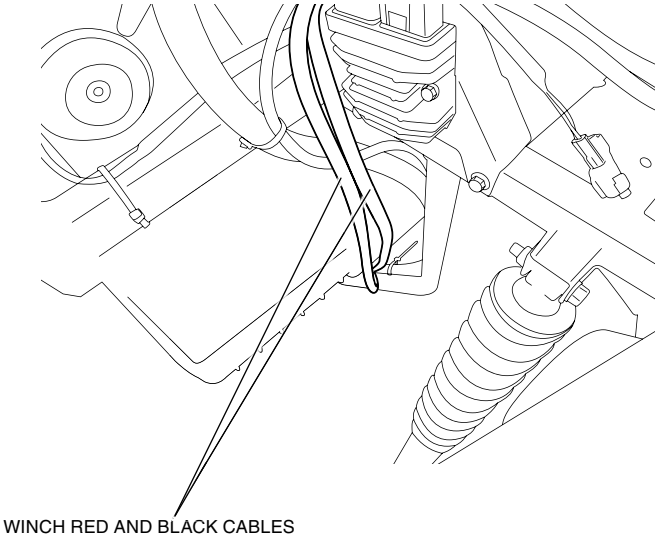
10. Route the winch red cable out of the battery box with the other wires as shown.



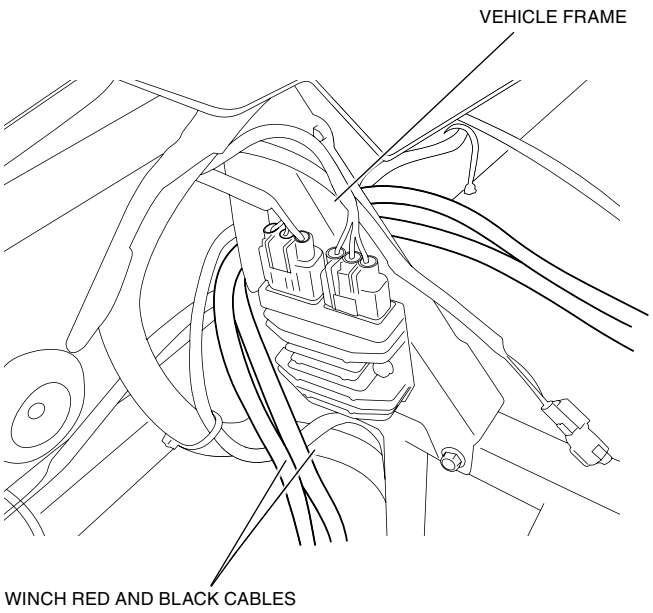
11. Route the winch red cable with the vehicle main wiring harness down and then continue routing it with the winch black cable.



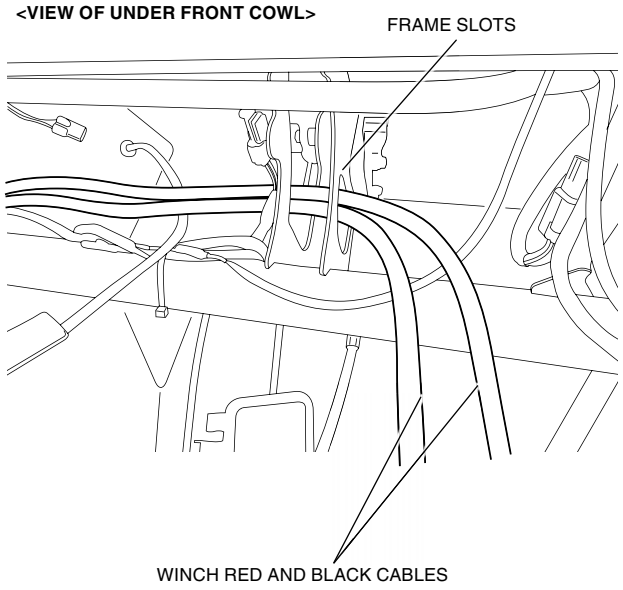
12. Route the winch red and black cables with the vehicle wire harness as shown.



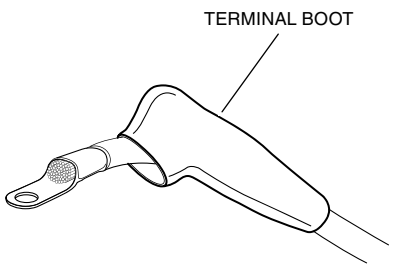
13. Route the winch red and black cables behind the vehicle frame as shown



14. Route the winch red and black cables through the frame slots as shown.



15. Install the terminal boots to the winch black and red cable ends as shown.

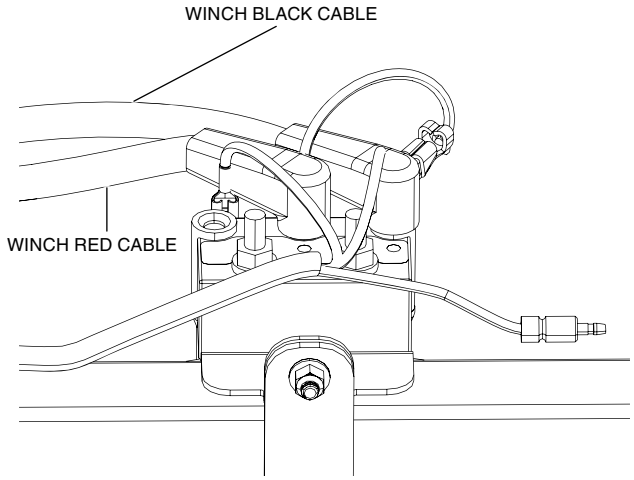


16. Install the winch red cable to the contactor red terminal.

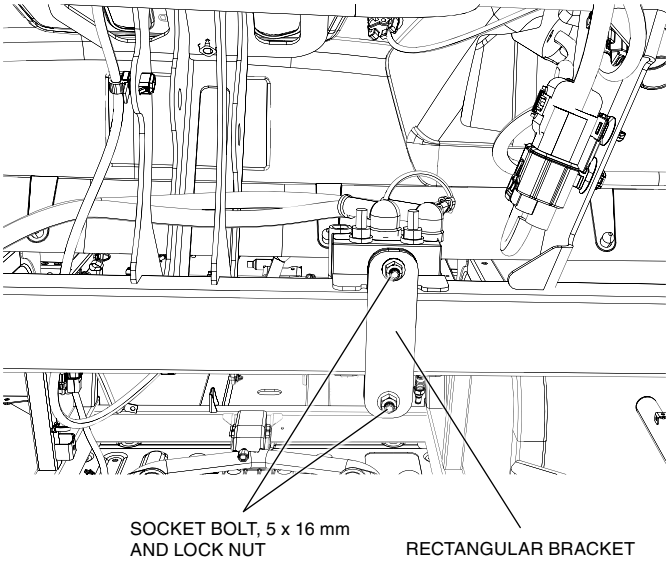
    Install the winch black cable and contactor brown wire to the contactor black terminal.

    Tighten the terminal nuts to 4.5 N'm (Warn Instructions).

    Pull the terminal boots over the terminals and nuts as shown.



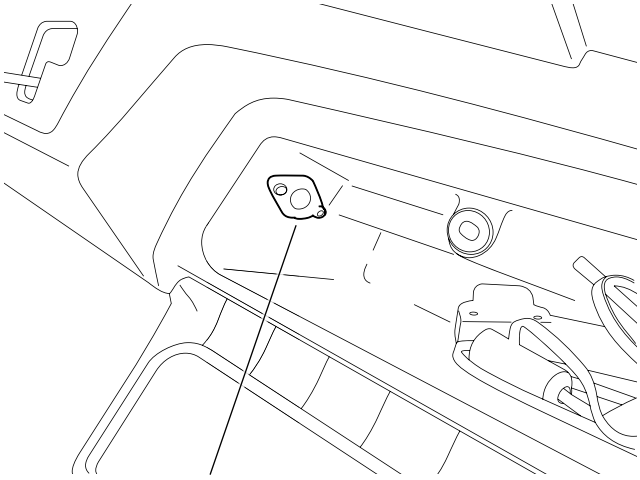
17. Install the contactor into place with two 5 x 16 mm socket bolts and lock nuts. Tighten the hardware to the specification in the Torque Chart.



18. Cut out the winch control receptacle drilling template from page 15 and tape it to the inside of the glove box at the indicated position.

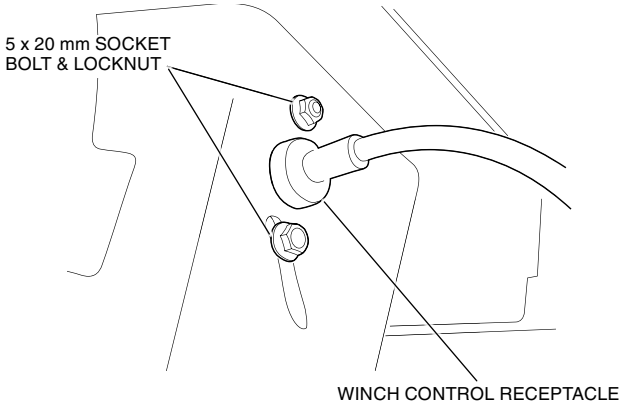
    Make marks on the glove box by pushing an awl through the drill marks on the template.

    Remove the drilling template. Drill the two 1/4 inch holes and the 7/8 inch hole at the marked locations.

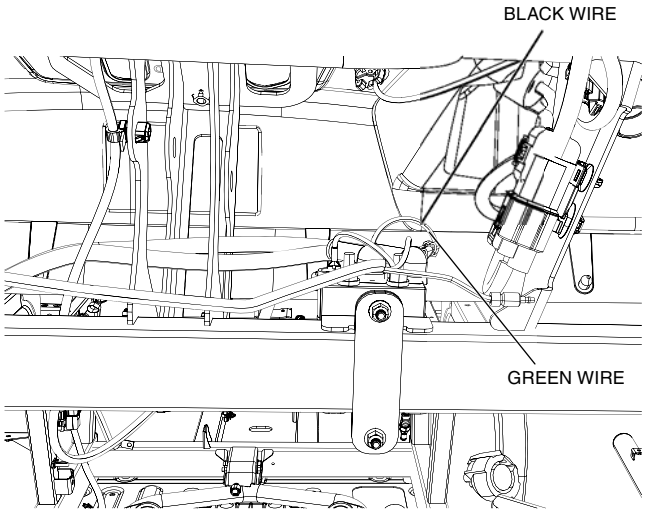


19. Install the winch control receptacle to the glove box with the two 5 x 20 mm socket bolts and lock nuts. Tighten the hardware untill the lock nut egages plastic. Then turn the lock nut an additional half turn max.

<VIEW FROM BACK SIDE OF GLOVE BOX>

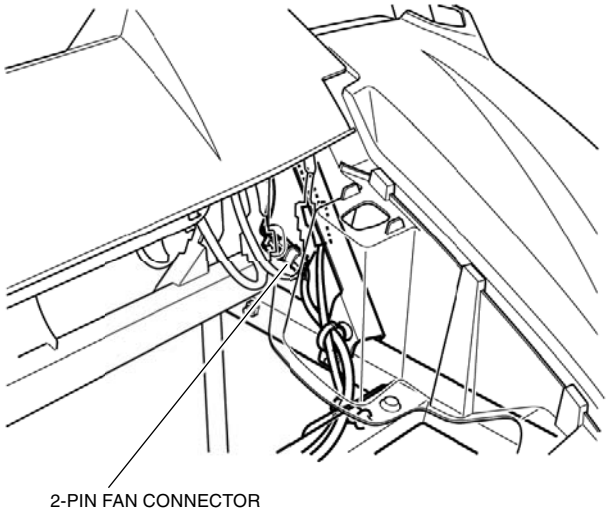


20. Connect the winch control harness black and green wires to their corresponding color contactor wires.

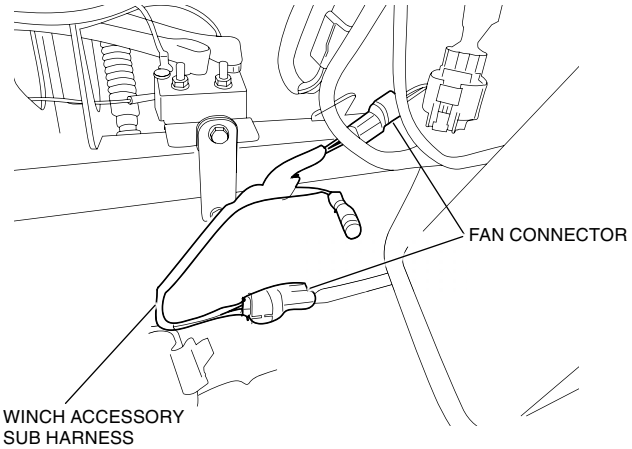


21. Remove the 2 pin fan connector from its anchor and disconnect it.

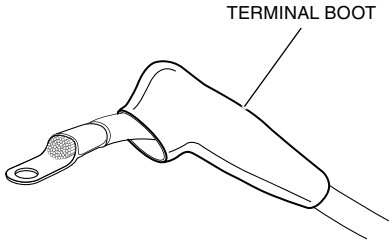
<UNDER LEFT FRONT FENDER>



22. Connect the winch sub harness between the two halves of the fan connector.

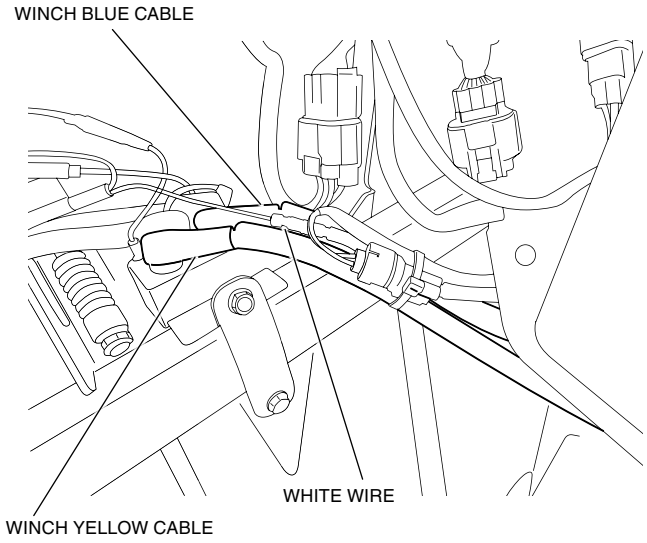


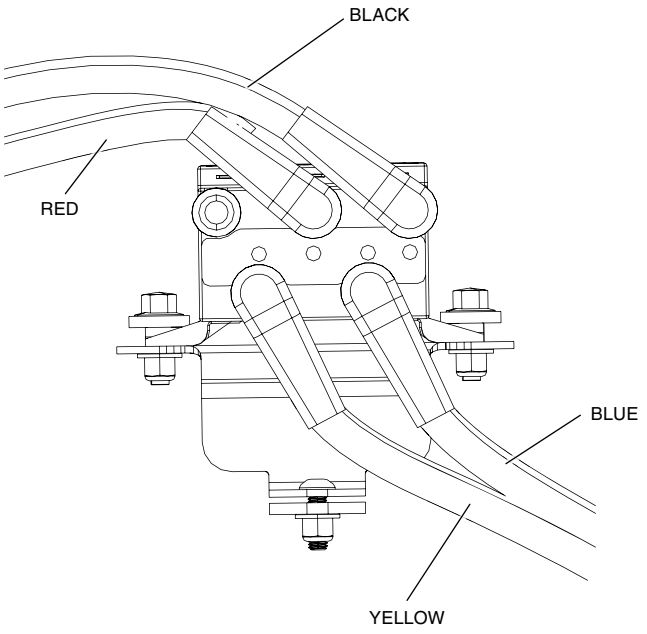
23. Install terminal boots to both ends of the winch blue and yellow cable ends as shown



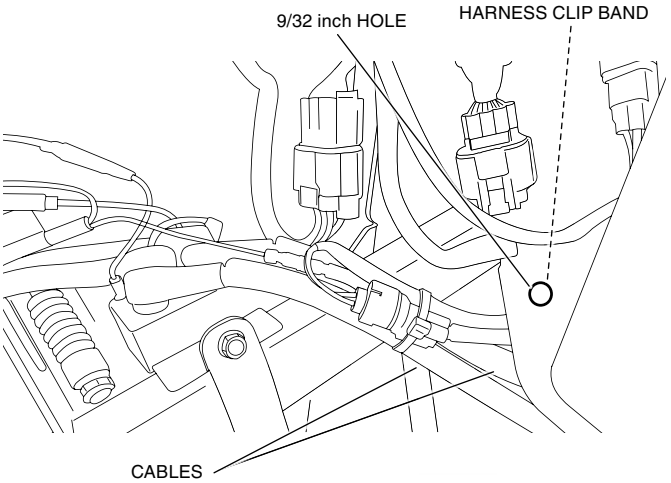
24. Install the winch blue and yellow cables to their corresponding color contactor terminals. Angle the cables as shown and pull the covers over the terminals and nuts.

    Connect the white wire of the winch sub harness to the white wire of the winch control harness. Reinstall the fan connector to its anchor clip on the frame (not shown).

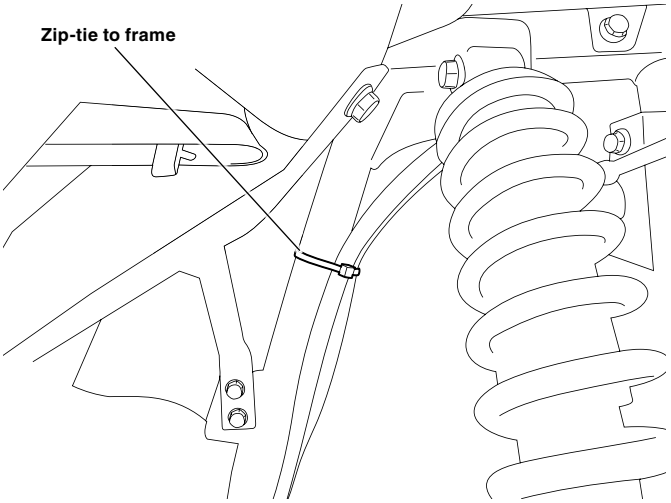




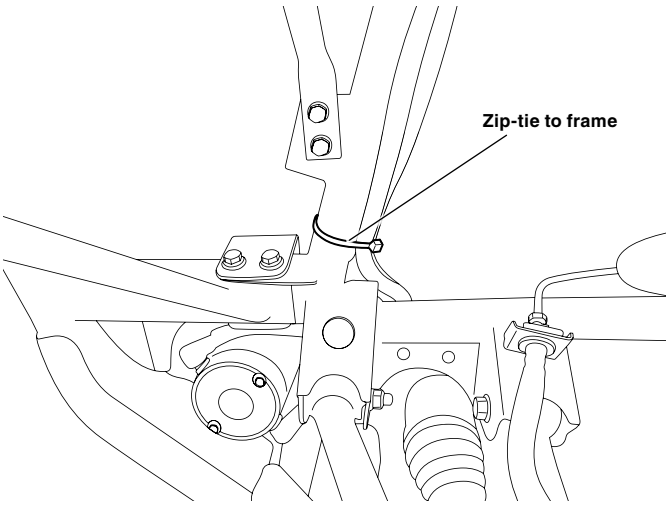
25. Drill a 9/32 inch hole in the fender plastic and insert the harness clip band from the underside. Secure the winch blue and yellow cables with the harness clip band.



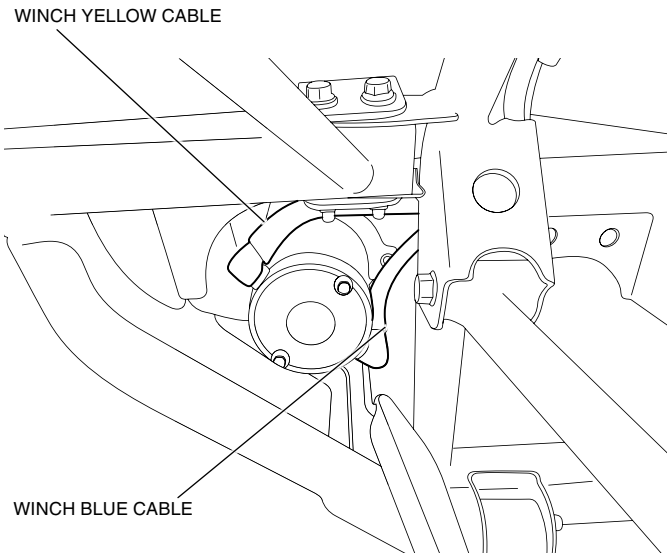
26. Route the winch yellow and blue cables down the frame and zip-tie them to the frame tube as shown.



27. Zip-tie the winch yellow and blue cables to the frame tube as shown.



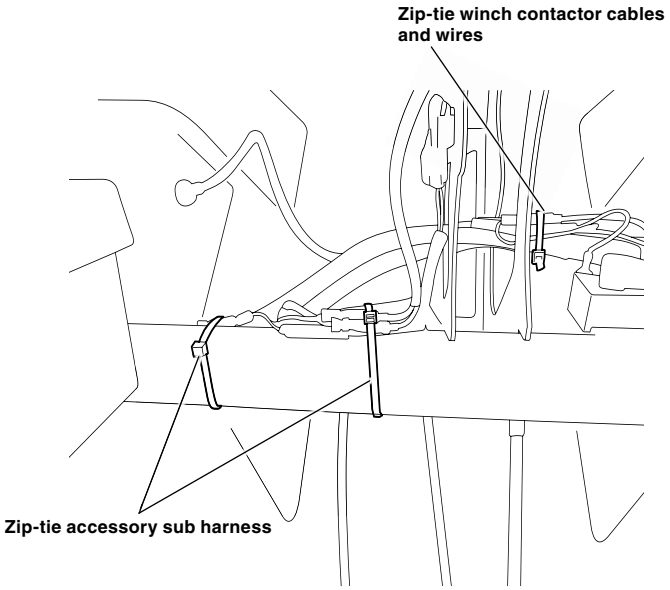
28. Connect the winch yellow and blue cables to their corresponding color terminals on the winch motor. Tighten the terminal nuts securely and pull the covers over the terminals and nuts. *From this point forward, the winch blue and yellow cables will be referred to as the "winch power" cables.*



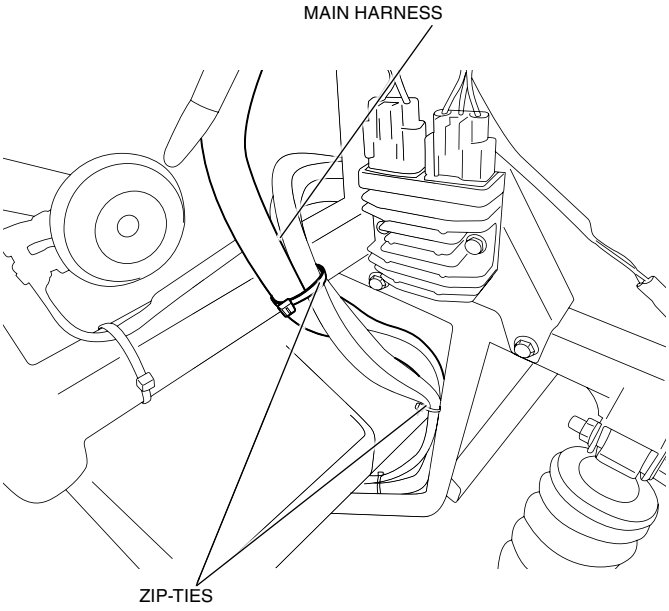
29. Zip-tie the winch power cables (blue and yellow) to the frame.

    Next, zip-tie the accessory sub harness wires to the frame as shown.

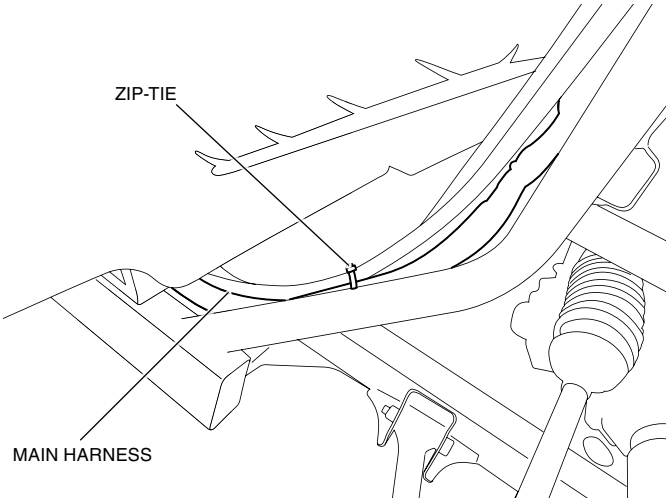
    Finally, zip-tie the black and green winch contactor wires to the winch power cables as shown.



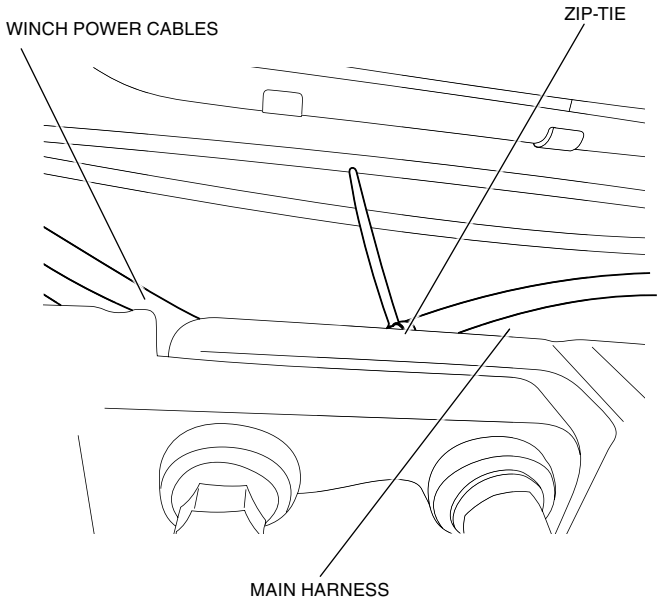
30. Zip-tie the winch power cables above the main harness clips.



31. Zip-tie the winch power cables to the main harness near the passenger floor board as shown.

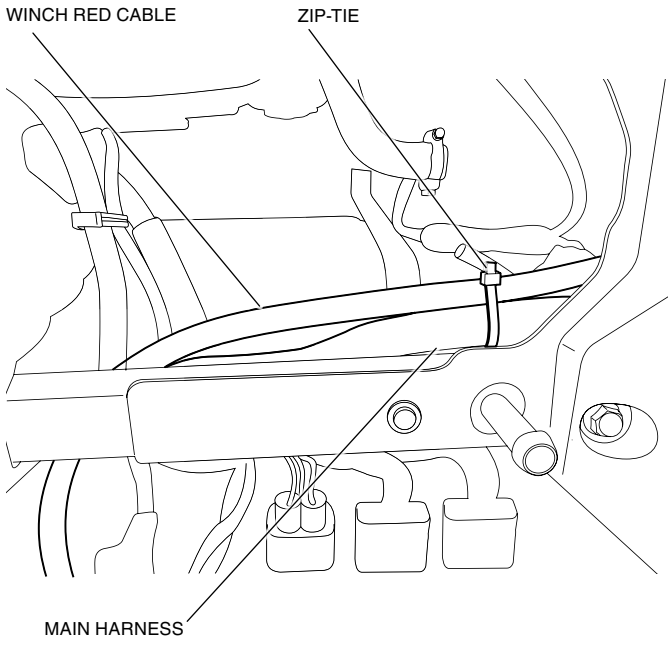


32. Zip-tie the winch power cables to the main harness near the frame joint underneath the passenger floor board as shown.

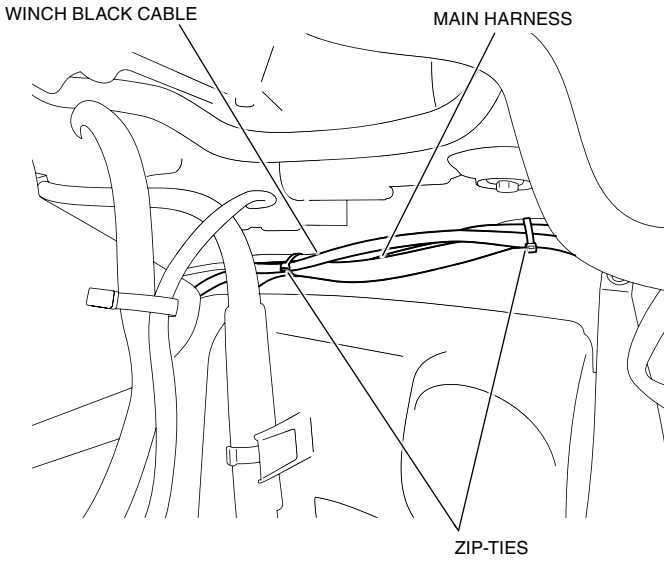


33. Zip-tie the winch red cable to the harness above the vehicle gas tank.

    Zip-tie the winch black cable to the main harness near the front of the engine.

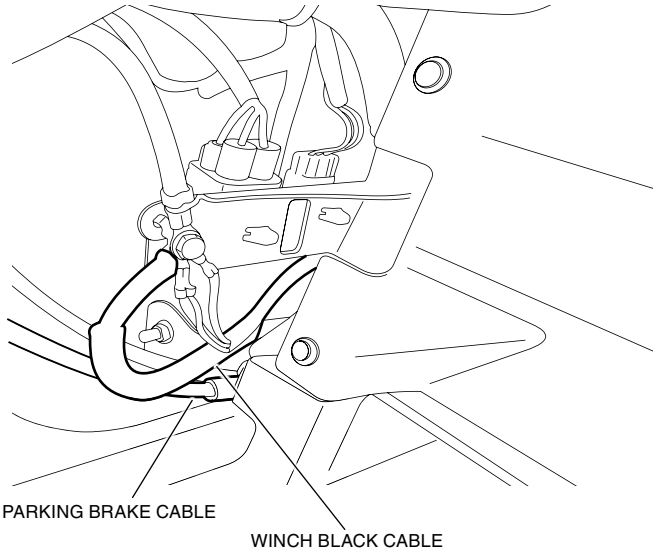


34. Zip-tie the winch black cable to the main harness near the back of the engine as shown.

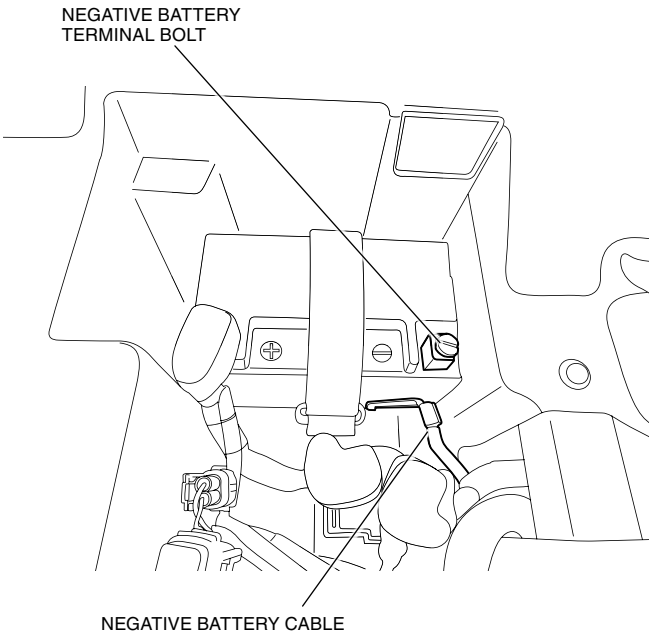


NOTE

- Make sure the winch black cable does not contact the parking brake cable as shown below.



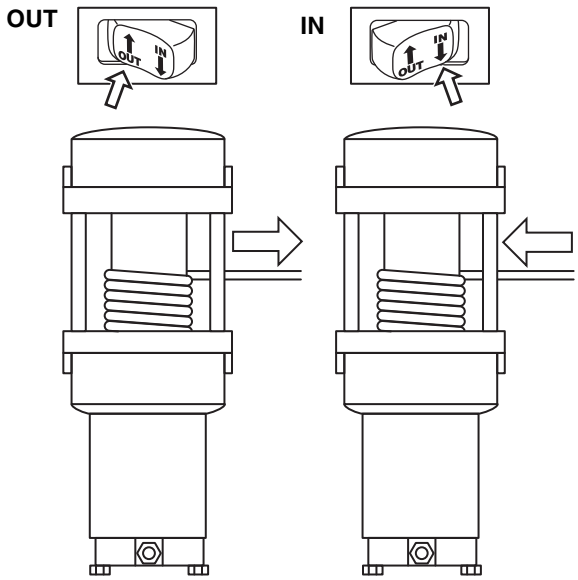
35. Install the negative battery cable and terminal bolt.



CHECK THE SYSTEM

Before using the winch, verify the following:

- The wiring to all components is correct. All loose wires are secured with zip-ties.
- There are no exposed wiring or terminals (except the chassis ground bolt). Cover any existing terminal exposures with terminal boots, heat shrink tubing or electrical tape.
- Turn the vehicle ignition switch to the ON position. Check the winch for proper operation. The wire rope should spool in and out in the direction indicated on the switch.



WINCH CONTROL RECEPTICLE DRILLING TEMPLATE

Cut out the drilling template at the dotted line.