



# INSTALLATION INSTRUCTIONS

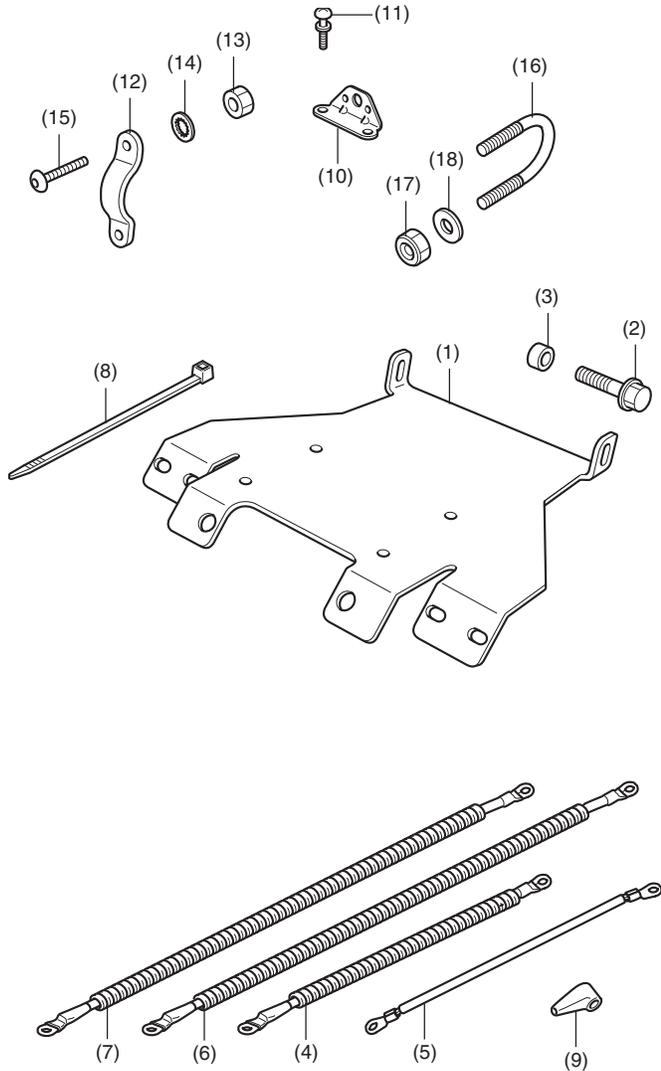
Accessory  
**WINCH KIT**  
 P/N 08L94-HP0-100

Application  
**TRX500FA/FGA**  
**TRX500FE/FPE/FM/FPM (Through '11)**  
 Accessory Weight  
**35 lbs (16 kg)**

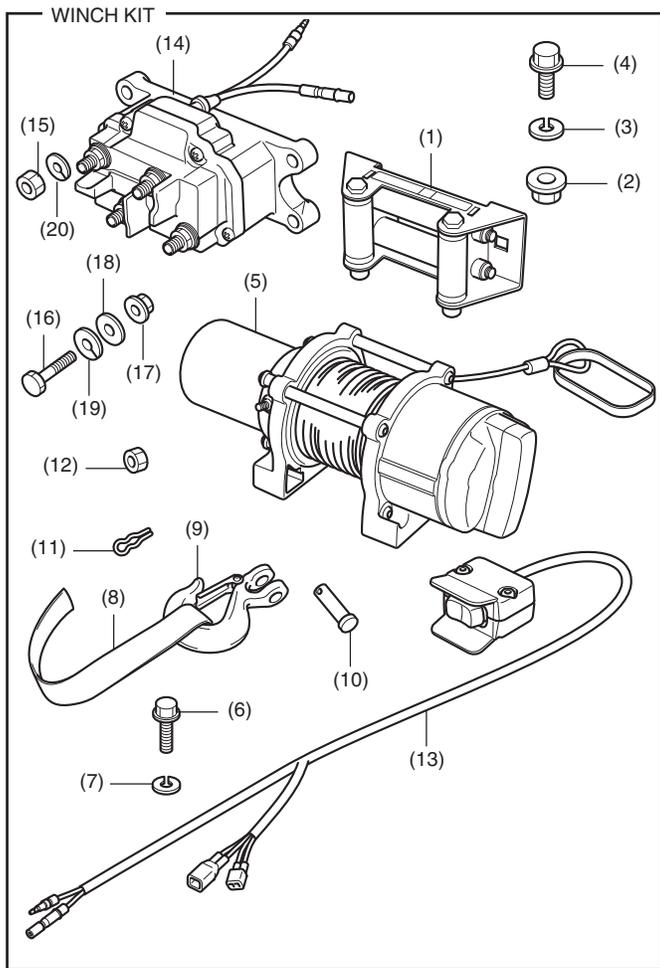
Publications No.  
**MII 13111-13590**  
 Issue Date  
**Revised**  
**February 2011**

**Honda Dealer: Please give a copy of these instructions to your customer.**

## PARTS LIST



No.	Description	Qty
(1)	Mounting plate	1
(2)	8 x 25 mm hex bolt	2
(3)	Spacer	2
(4)	Battery cable (Red)	1
(5)	Battery cable (Black)	1
(6)	Power cable (Blue)	1
(7)	Power cable (Yellow)	1
(8)	Wire tie	12
(9)	Terminal boot	6
(10)	Switch bracket	1
(11)	3 mm screw w/stopper washer	2
(12)	Holder	2
(13)	5 mm nut	2
(14)	Lock washer	2
(15)	5 mm socket bolt	3
(16)	6 mm U-bolt	2
(17)	6 mm lock nut	4
(18)	6 mm flat washer	4



No.	Description	Qty
(1)	Roller fairlead	1
(2)	10 mm hex nut	2
(3)	10 mm spring washer	2
(4)	10 x 20mm hex bolt	2
(5)	Winch	1
(6)	8 x 20 mm hex bolt	4
(7)	8 mm spring washer	4
(8)	Orange pull strap	1
(9)	Hook	1
(10)	Clevis pin	1
(11)	Cotter pin	1
(12)	6 mm flange nut	2
(13)	Switch	1
(14)	Contactora	1
(15)	Contactora nut	8
(16)	6 x 25 mm bolt	4
(17)	6 mm nut	4
(18)	6 mm washer	4
(19)	6 mm spring washer	4
(20)	Spring washer	8

## 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 ATV. These procedures should not be attempted by "Do-It-Yourselfers."

## BEFORE YOU BEGIN

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

## TOOLS AND SUPPLIES REQUIRED

- Socket (10 mm, 12 mm, 14 mm, 7/16 in, 1/2 in, and 9/16 in)
- Ratchet
- Box-end wrench (10 mm, 14 mm and 3/8 in)
- Open-end wrench (10 mm, 1/2 in, 9/16 in, and 1/4 in)
- Phillips ® screwdriver
- Hex wrench (4 mm)
- Electric drill
- Drill bit (1/4 in)
- Side-cutters or Saw
- Voltmeter or Test Light
- Marker
- Electrical tape
- Scissors
- Side cutters
- Torque wrench

## 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
5 mm nut	5	0.5	3.6
6 mm nut	10	1.0	7
6 mm flange nut	12	1.2	9
6 mm lock nut	10	1.0	7
8 mm flange bolt	27	2.8	20
10 mm flange nut	34	3.5	25

## USE AND CARE INFORMATION

- Check the accessory mounts frequently and retighten if necessary.
- 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.
- Subtract the weight of this accessory (35 lbs) from the front cargo rack weight limit (66 lbs). Do not load more than 31 lbs. of cargo on the front rack.
- 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.

Winch Capacity	4000 lbs
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### NOTICE

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

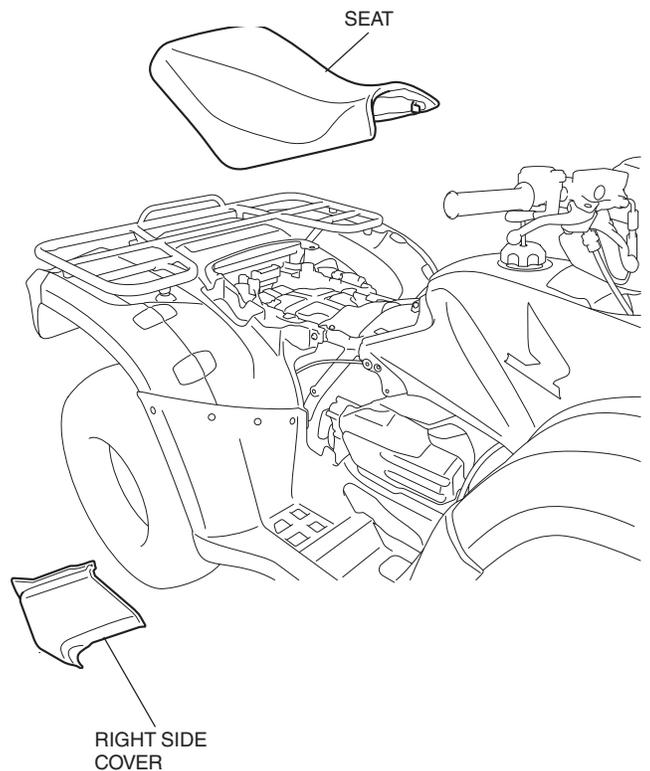
## SAFETY

When installing your ATV 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 your winch circuit. For specifications and performance data, refer to the specification sheet supplied with your winch.

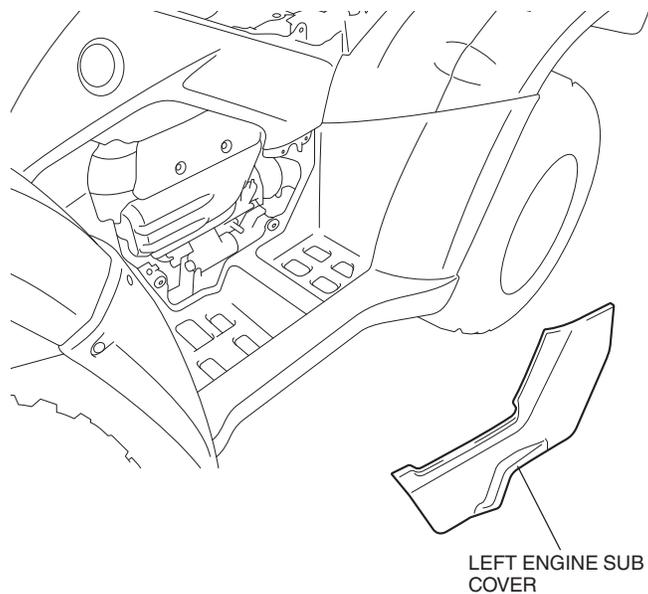
## INSTALLATION

### NOTES:

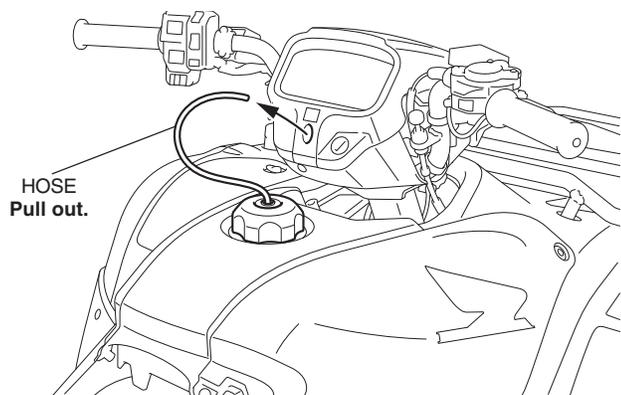
- Disconnect the negative cable from the battery before installing this accessory.
  - The memories of the tripmeter and clock will be erased when you disconnect the battery. Reset the clock after reconnecting the battery.
  - Trim the excess ends off the wire ties after attaching them to the wire harnesses. Do not allow the cut part of the wire tie to interfere with another harness or brake hose.
  - Allow the engine, exhaust system, radiator, etc., to cool before installing the accessory.
1. Remove the parts, and disconnect the negative (-) and then positive (+) battery terminals.



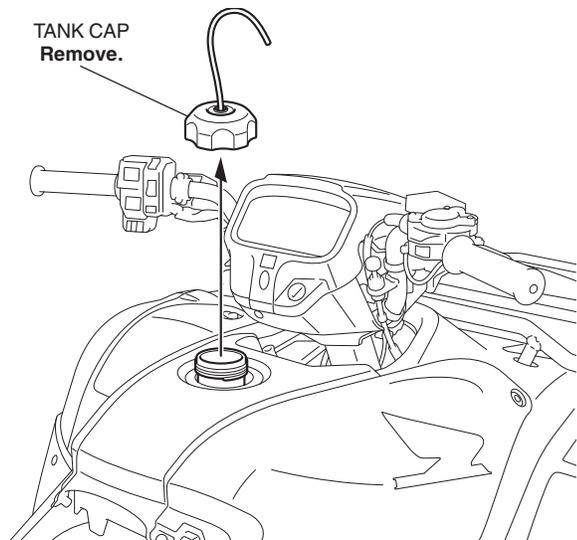
2. Remove the left engine sub cover as shown.



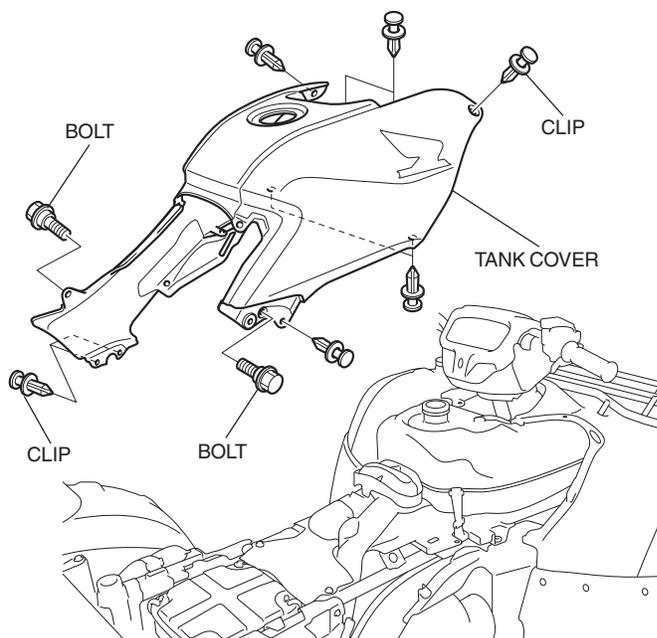
3. Remove the hose as shown.



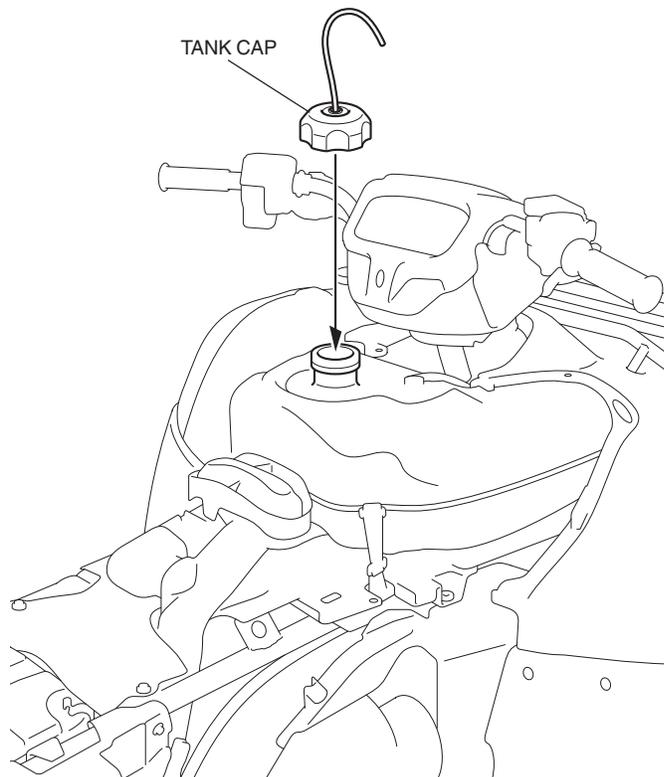
4. Remove the fuel tank cap as shown.



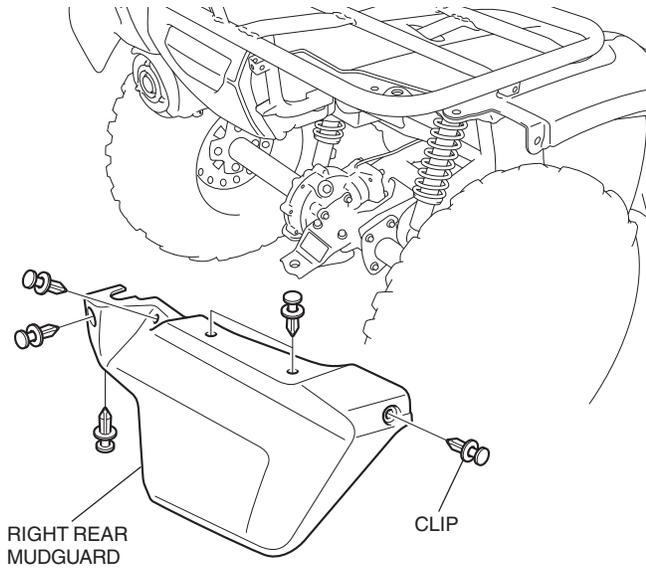
5. Remove the tank cover as shown.



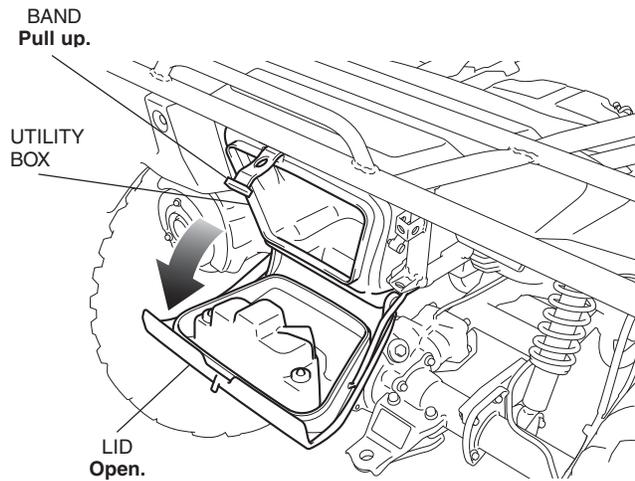
6. Install the fuel tank cap as shown.



7. Remove the right rear mudguard as shown.

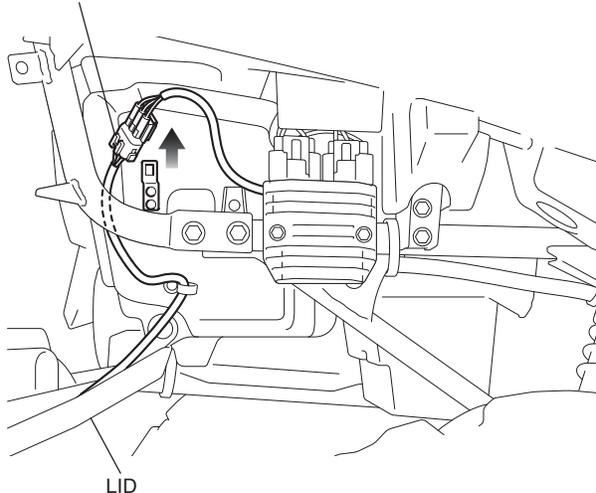


8. Open the utility box as shown.

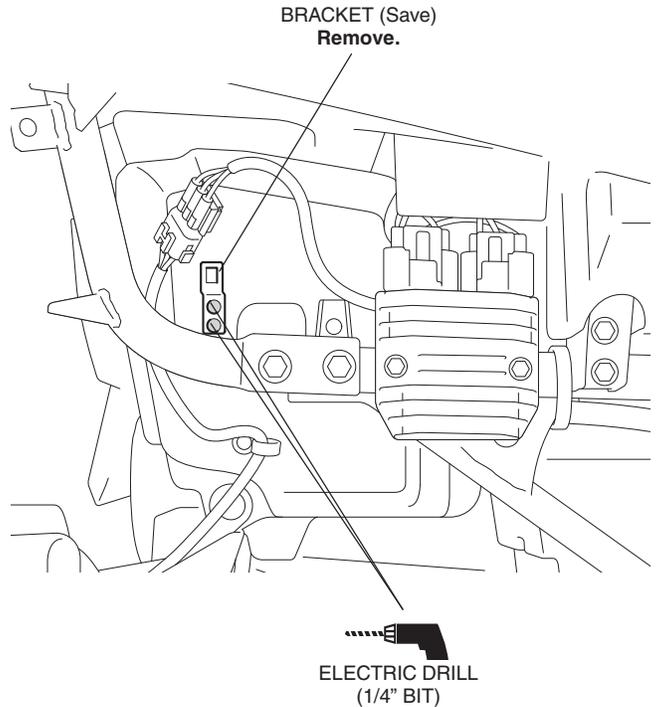


9. Remove the indicated connector.

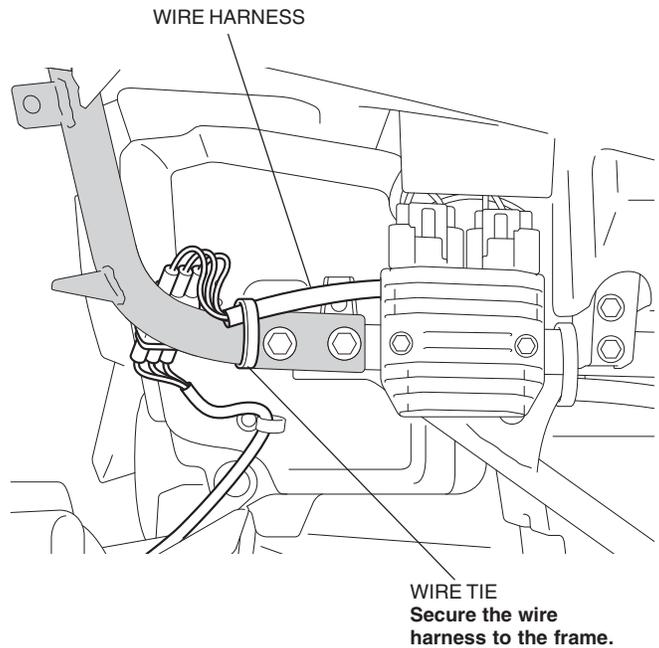
3-PIN CONNECTOR (White)  
Remove.



10. Using a drill with 1/4" drill bit, remove the top of the rivet heads to remove the bracket.

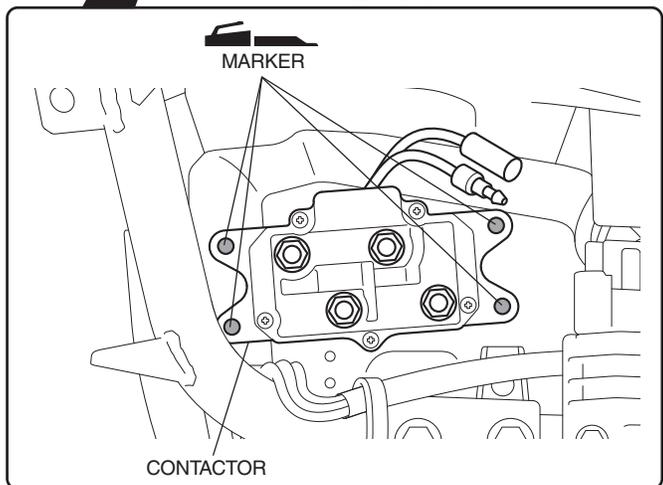
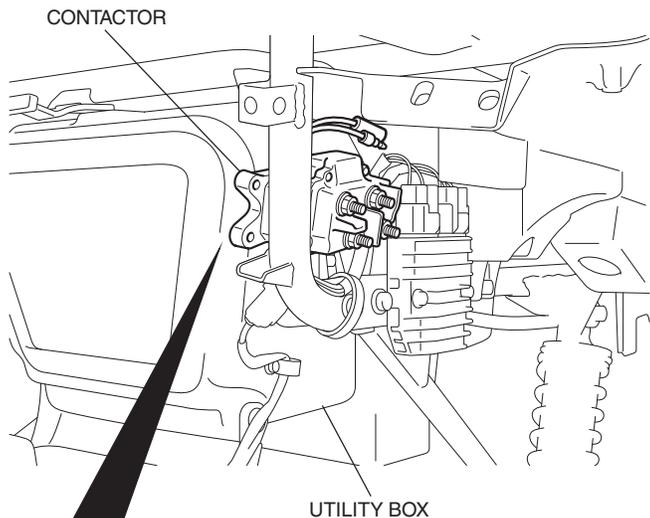


11. Secure the wire harness to the frame as shown.



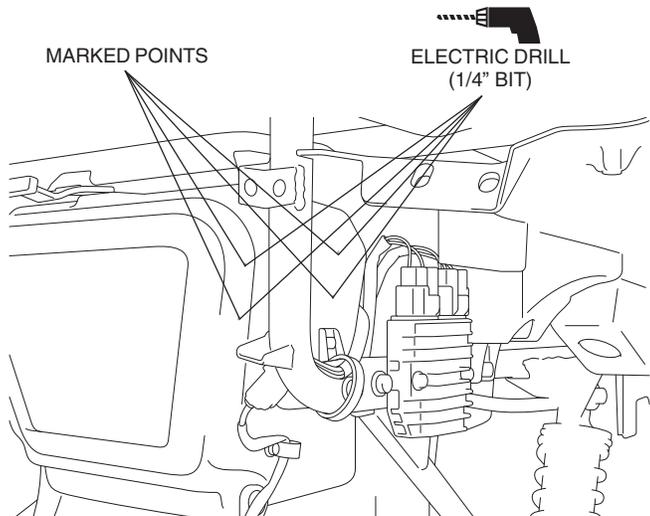
12. Place the contactor against the utility box and mark the box with a marker pen as shown.

- **Tip: Mark, drill, and anchor one corner of the contactor before marking the other holes.**

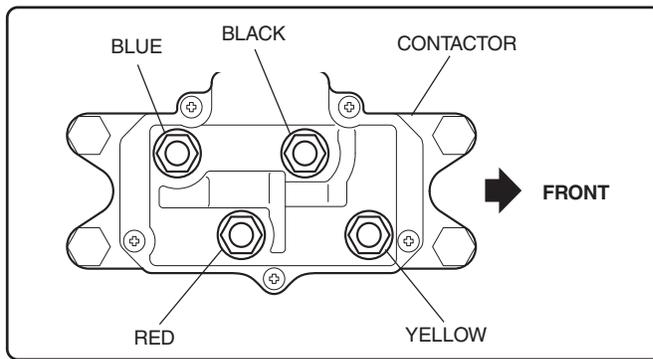
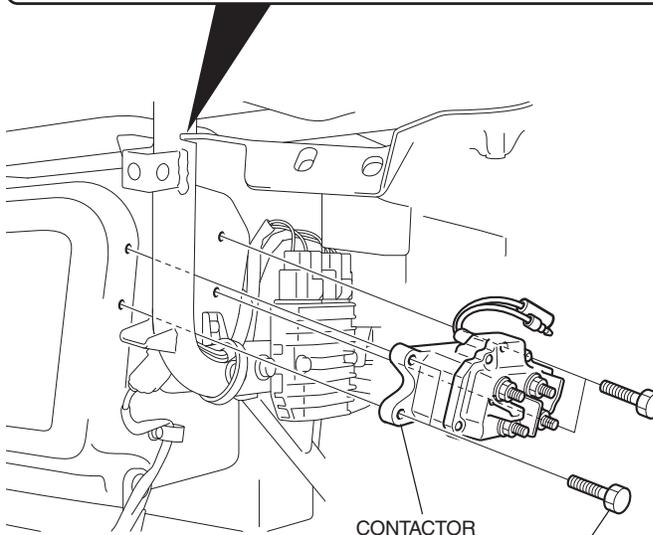
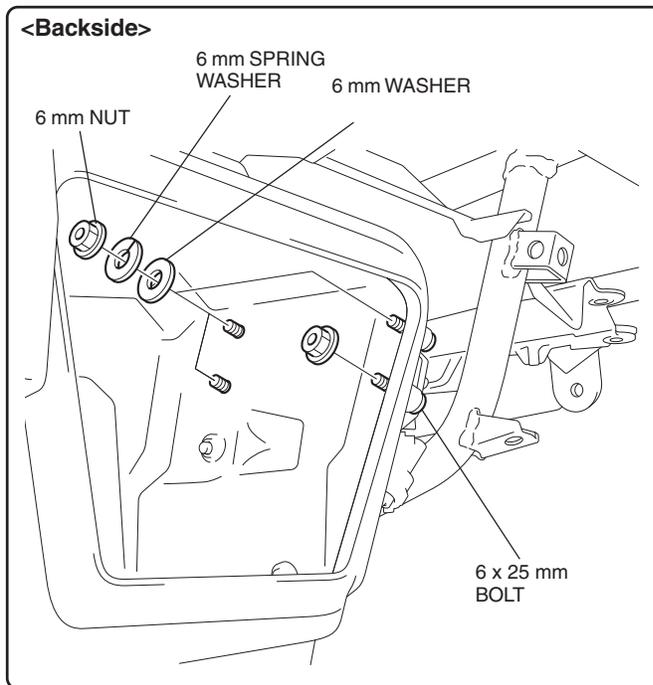


13. Remove the contactor. Drill through the marks you just made using an electric drill as shown.

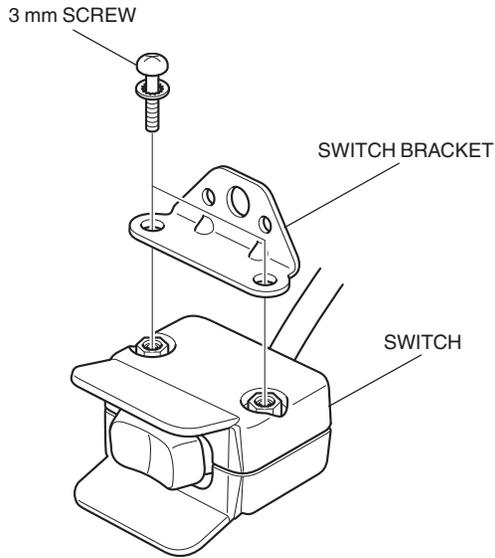
- **Remove any burrs from the edge of the hole.**



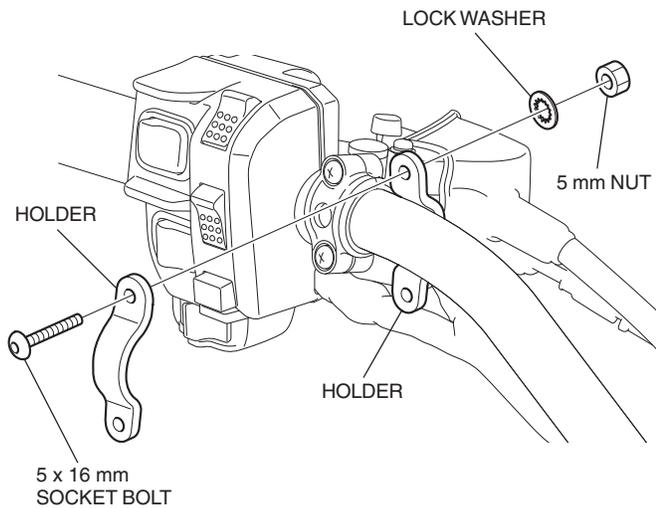
14. Install the contactor to the utility box as shown.



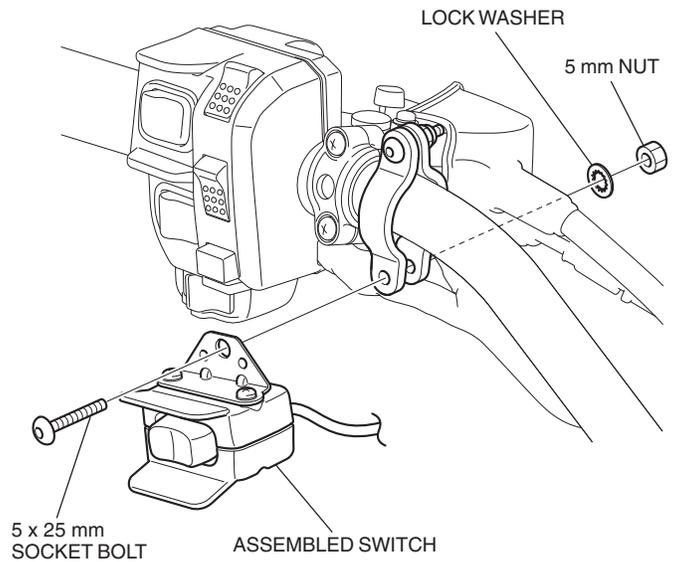
15. Assemble the switch as shown.



16. Loosely install the holder as shown.



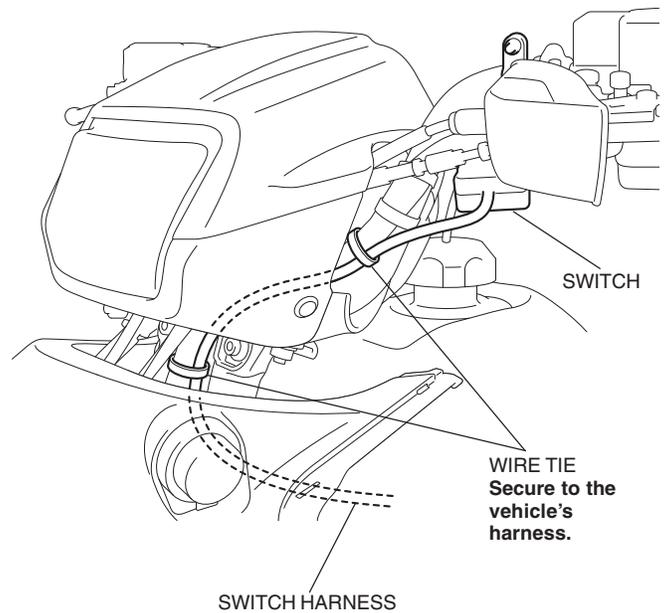
17. Loosely install the assembled switch as shown.



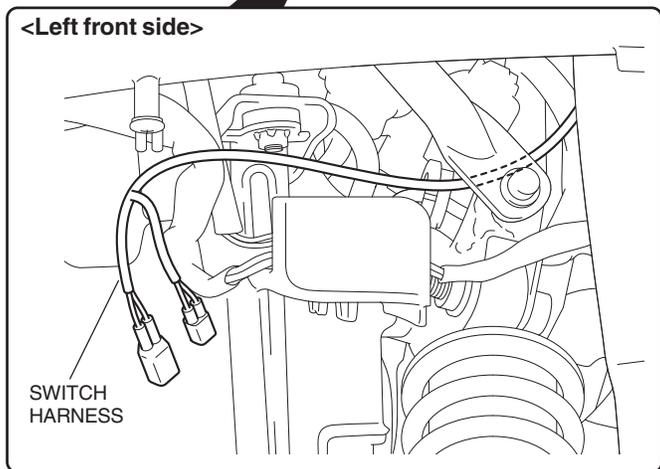
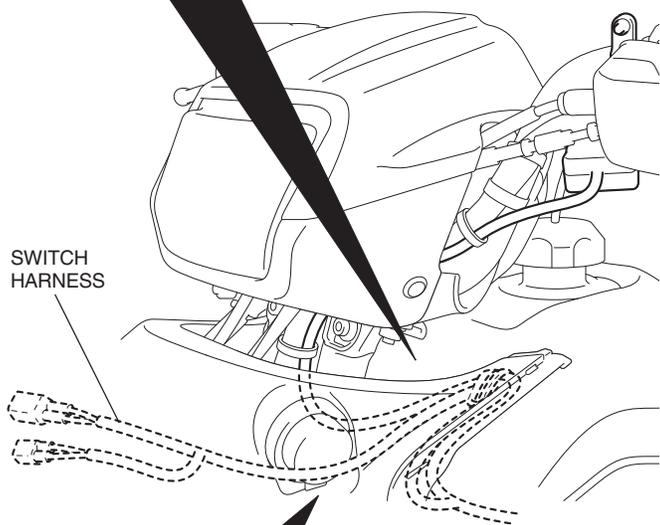
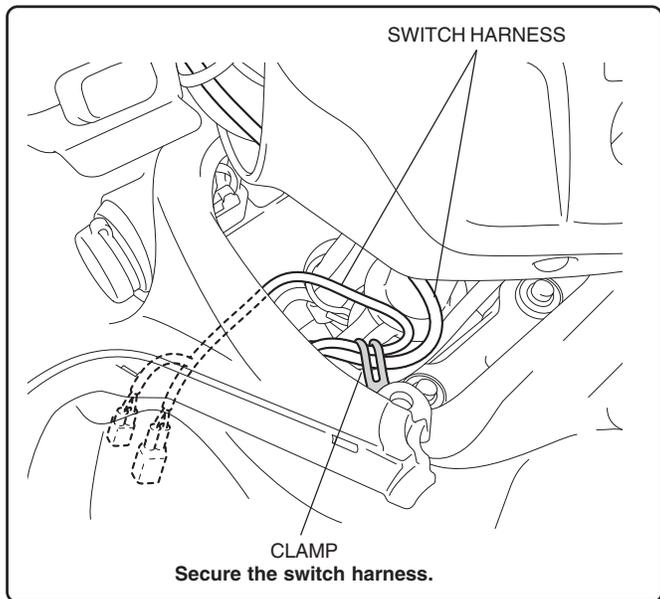
18. Adjust the position of the loosely installed switch and tighten it securely.

- **Tighten the upper bolt first, then tighten the lower bolt.**

19. Route the switch harness as shown.

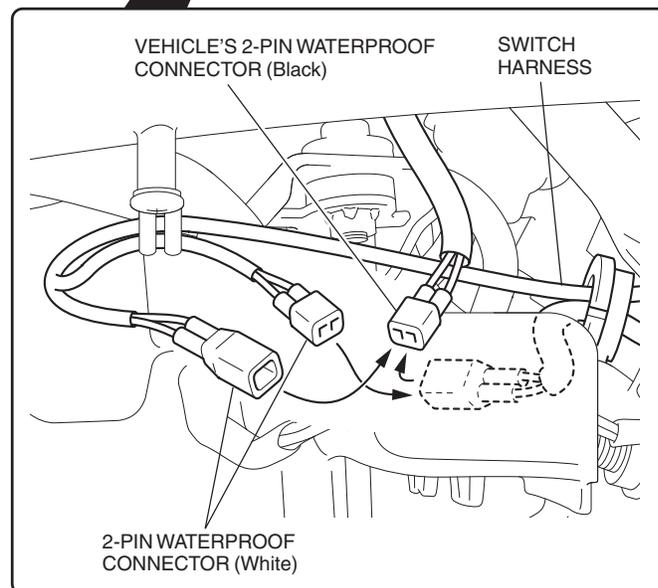
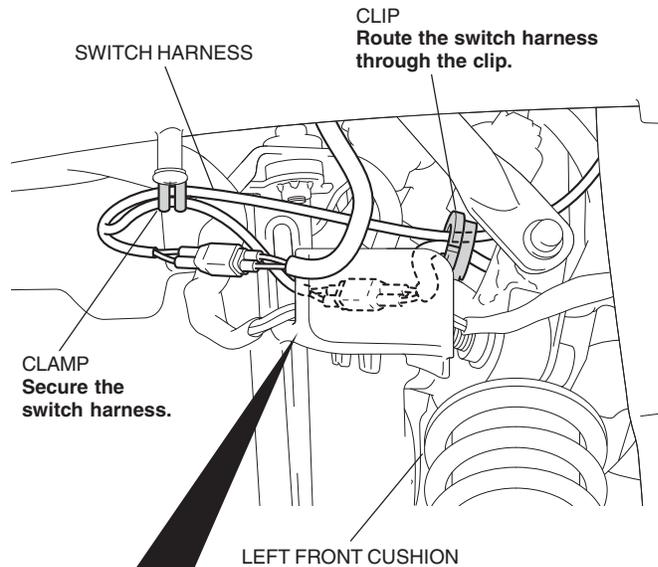


20. Turn the handlebar fully to the right and route the switch harness as shown.

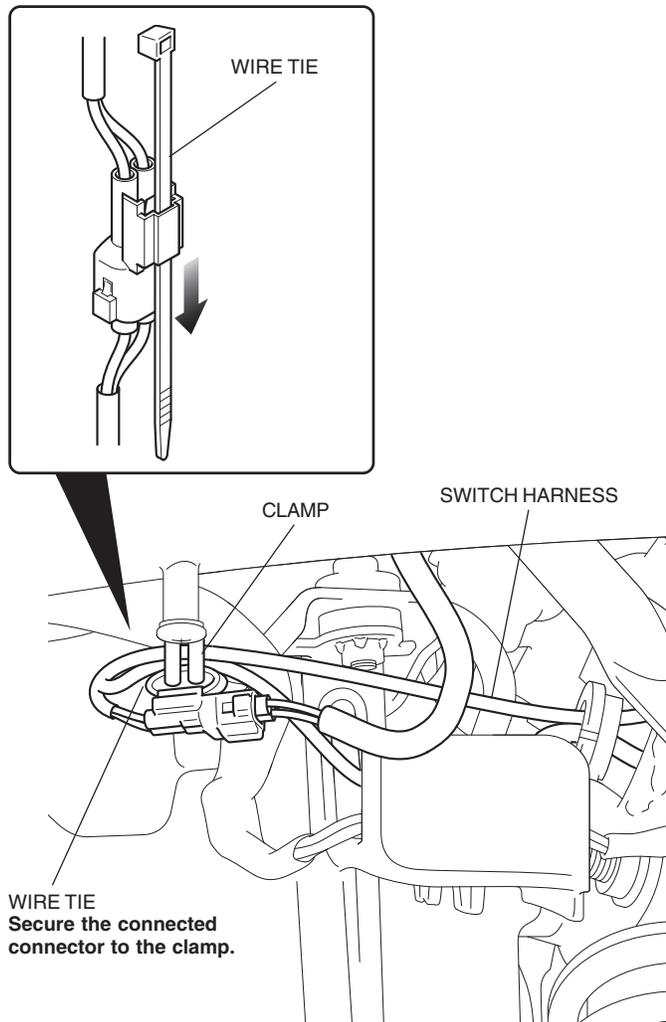


21. Route and connect the switch harness as shown.

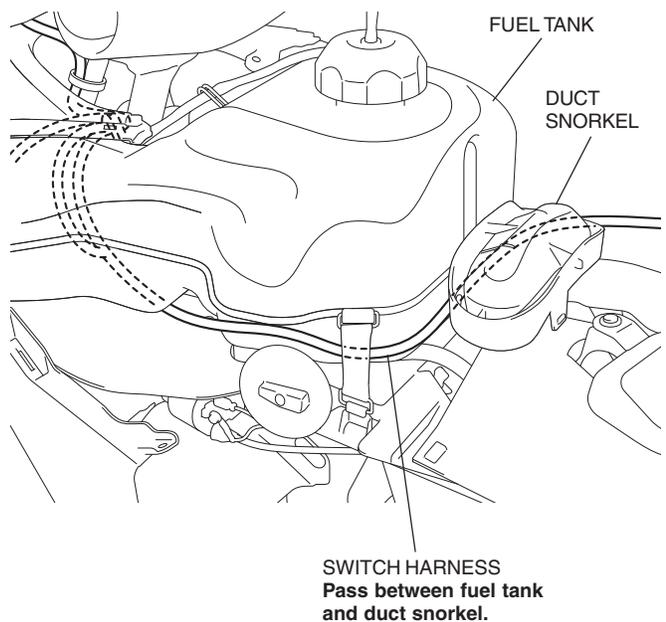
<Left front side>



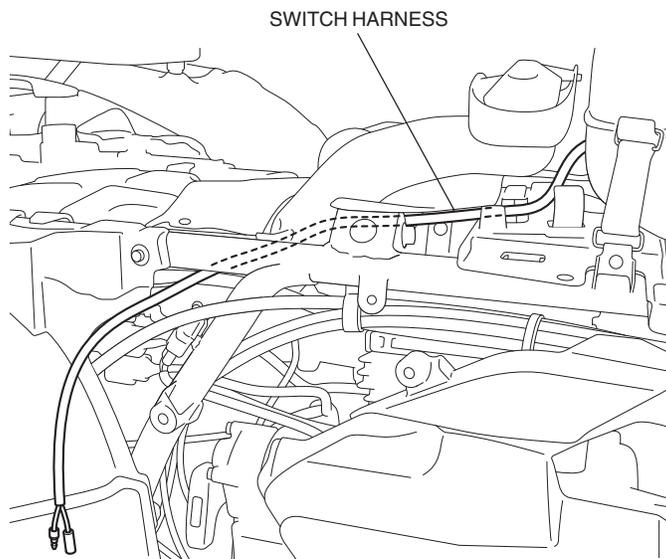
22. Secure the switch harness as shown.



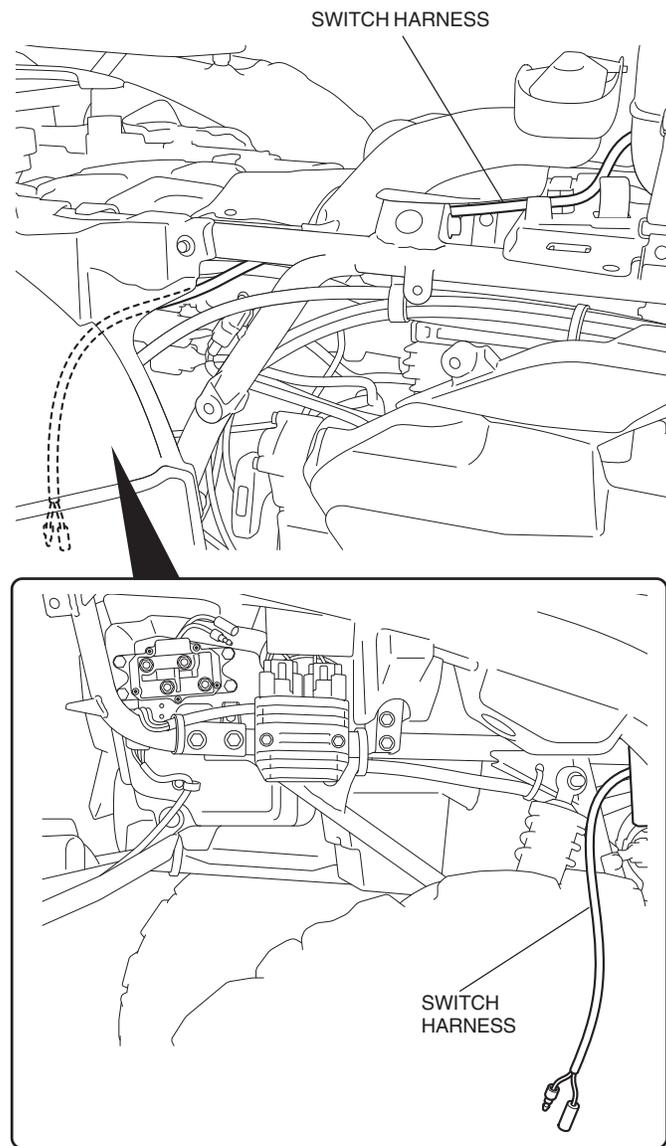
23. Route the switch harness as shown.



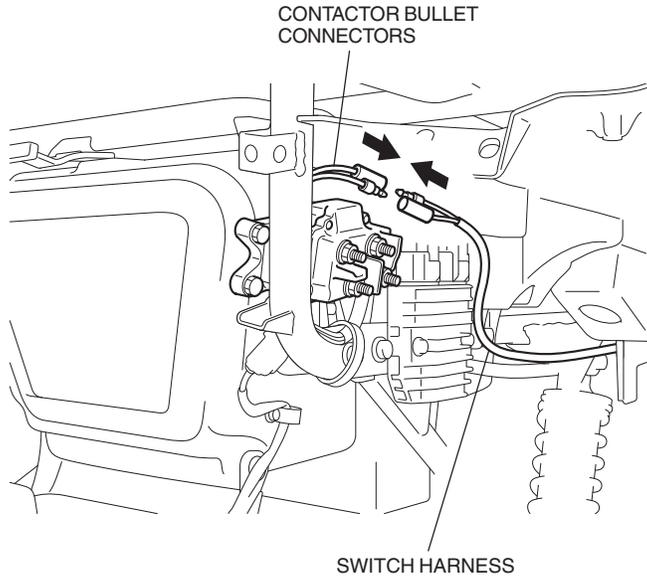
24. Route the switch harness as shown.



25. Route the switch harness as shown.

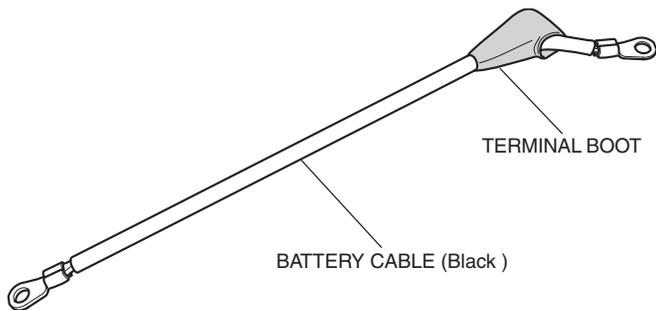


26. Connect the bullet connectors to the contactor as shown.

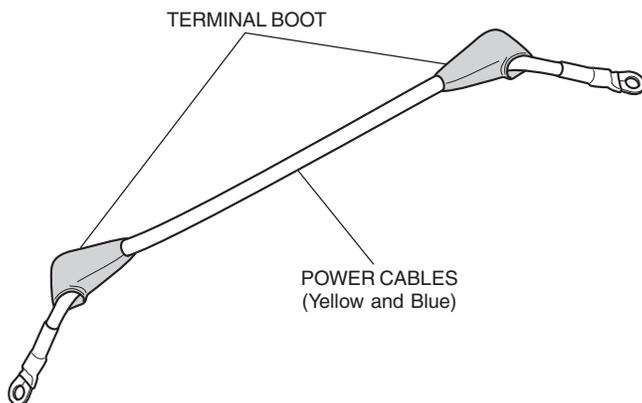


27. Install a terminal boot on one end of the black battery cable as shown.

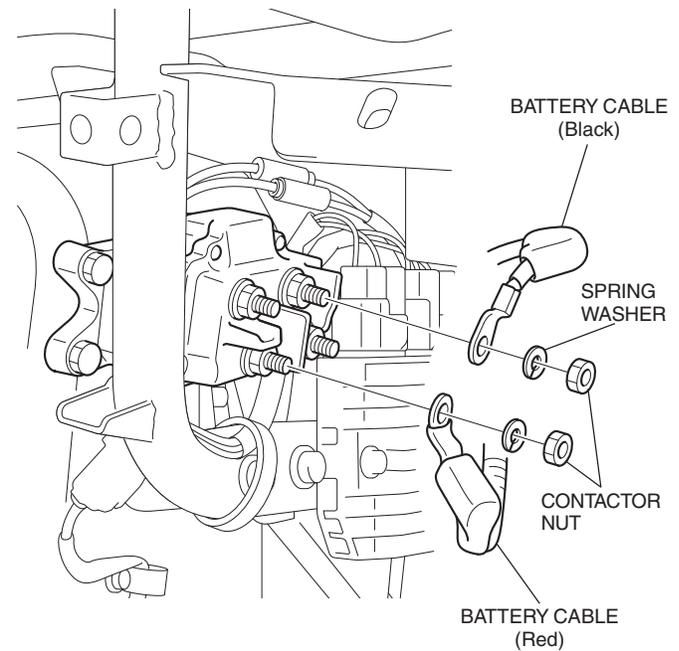
- Repeat on the battery cable (red).



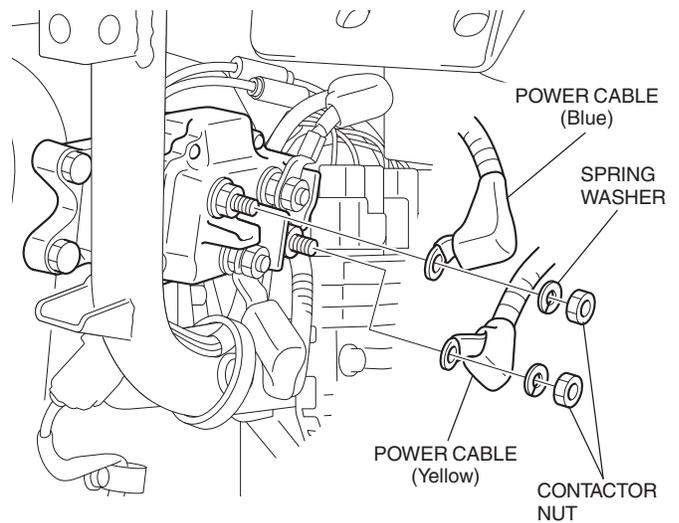
28. Install terminal boots at both ends of each power cable as shown.



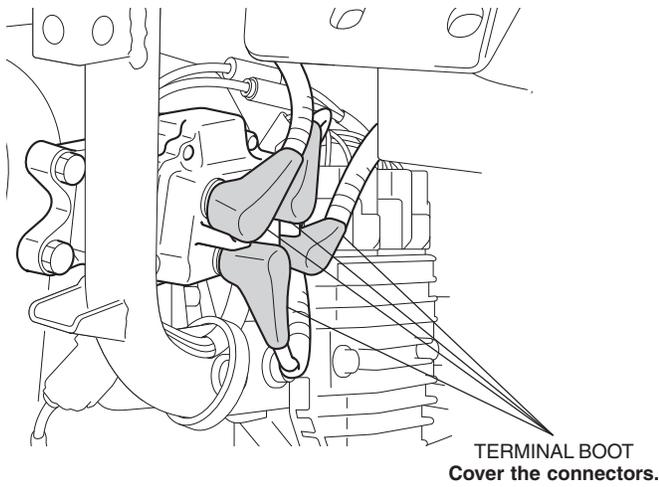
29. Connect the battery cables to the corresponding color terminals on the contactor as shown.



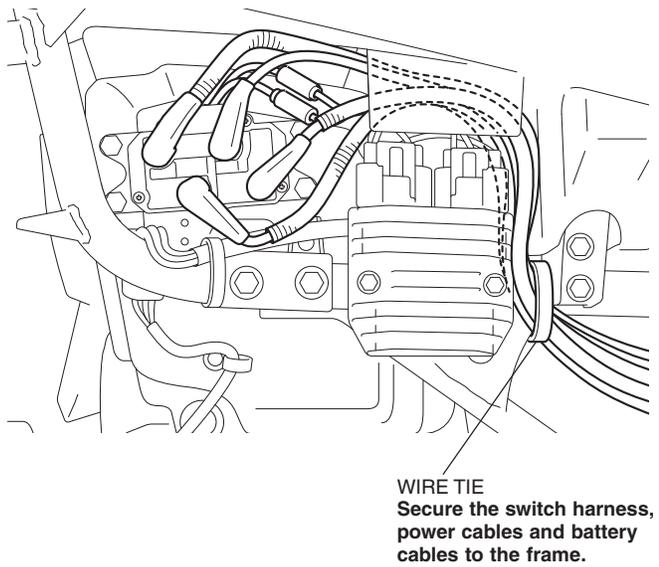
30. Connect the power cables to the corresponding color terminals on the contactor as shown.



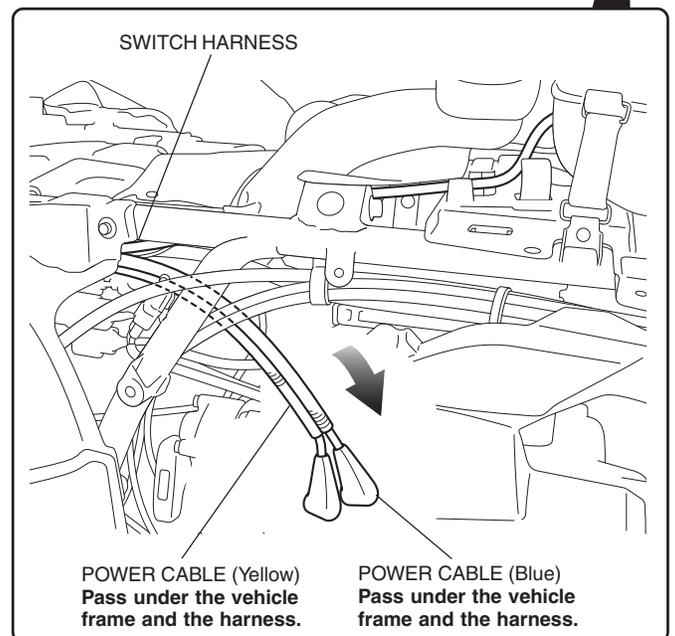
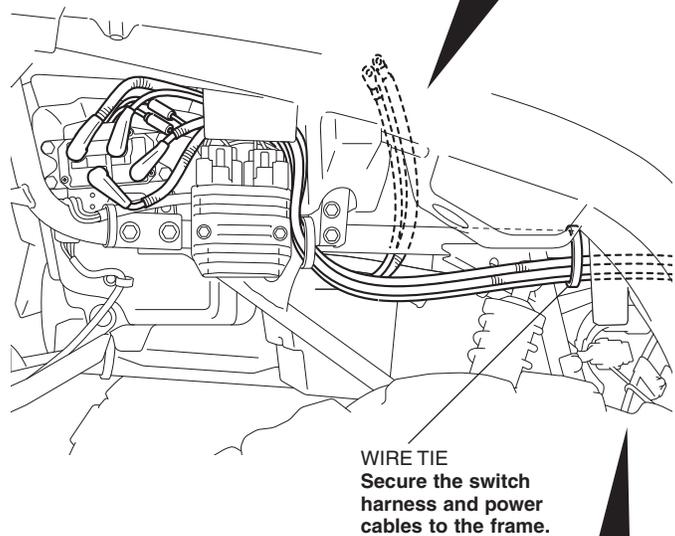
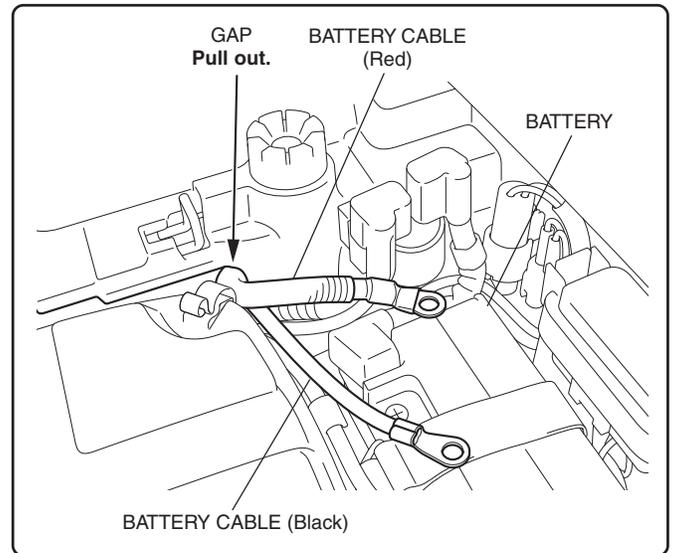
31. Cover each cable connector with the terminal boot as shown.



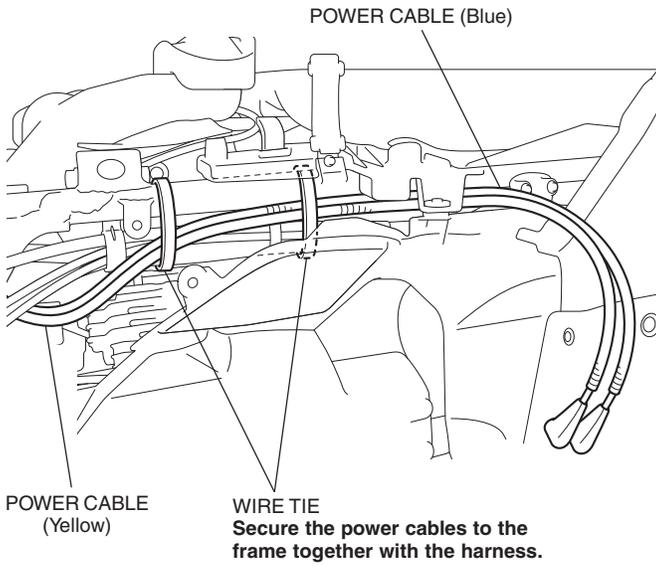
32. Route each cable as shown.



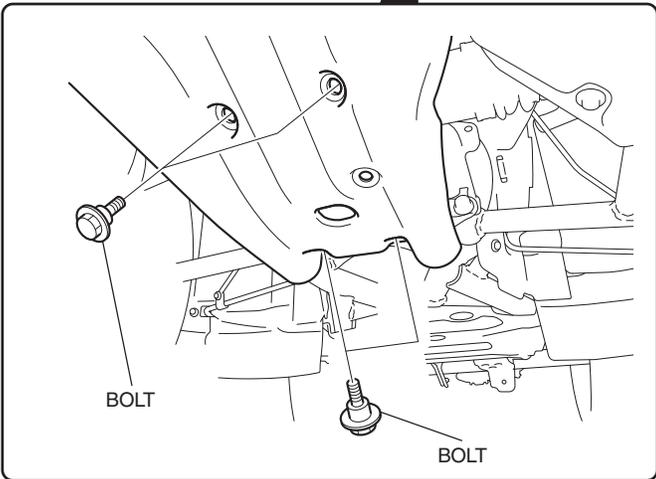
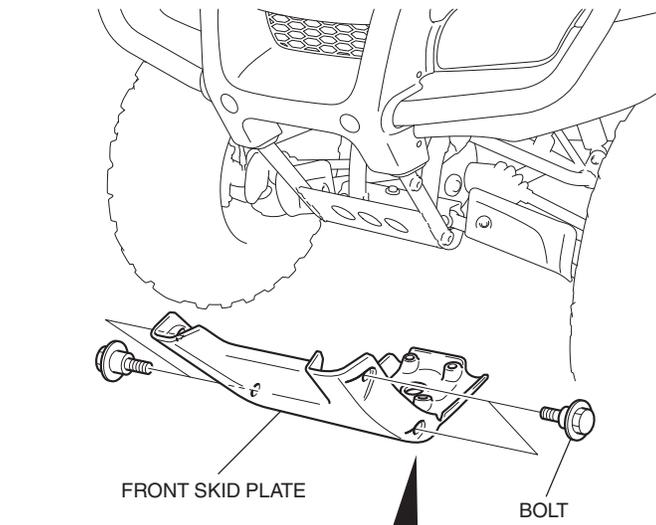
33. Route each battery cable as shown.



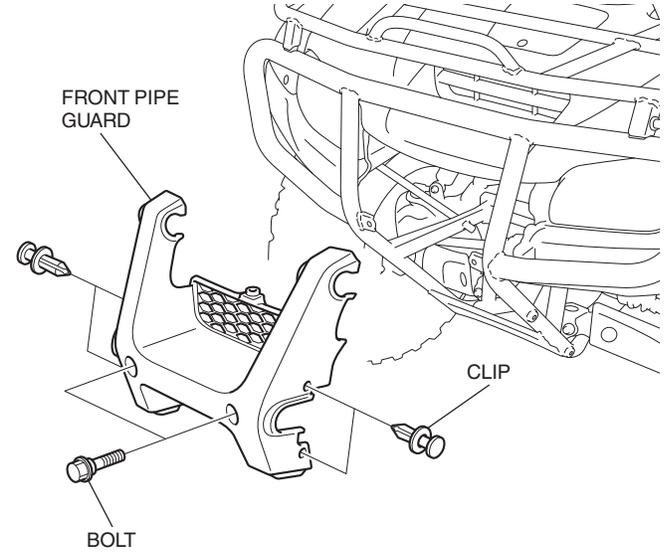
34. Route the power cables as shown.



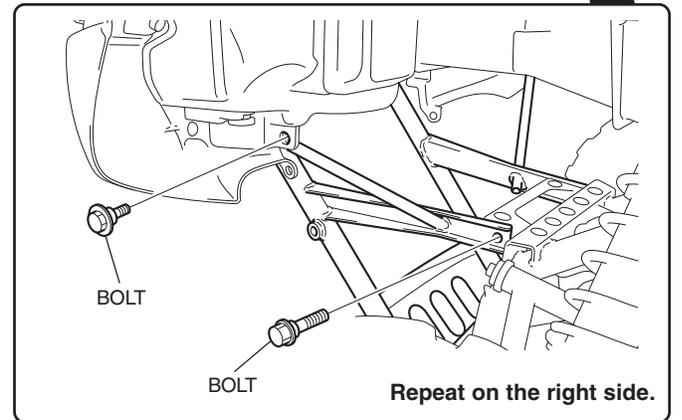
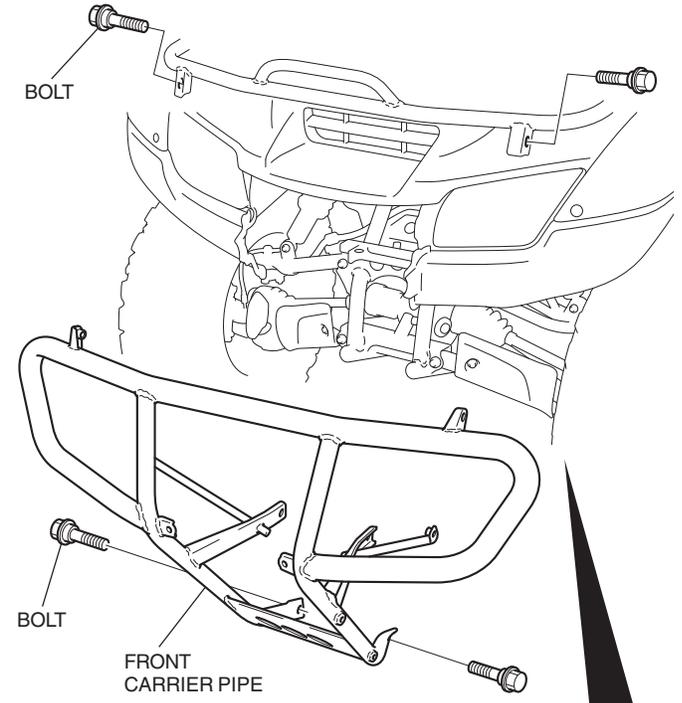
35. Remove the front skid plate as shown.



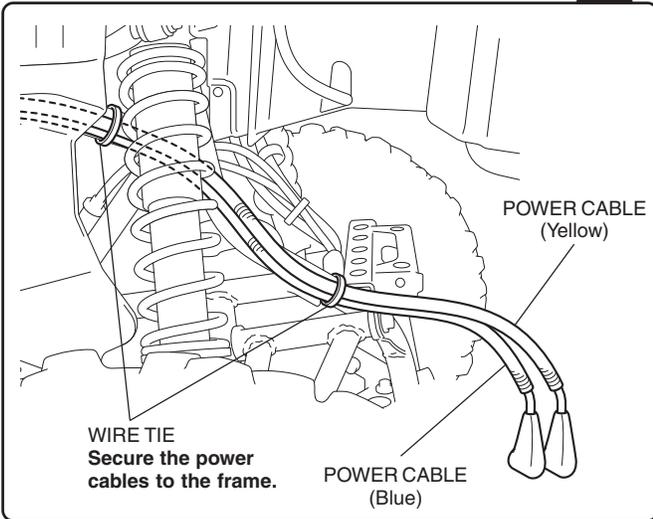
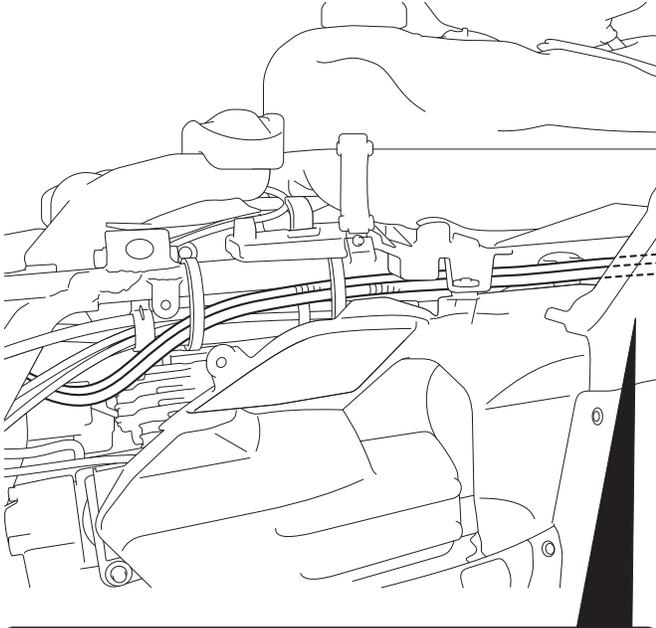
36. Remove the front pipe guard as shown.



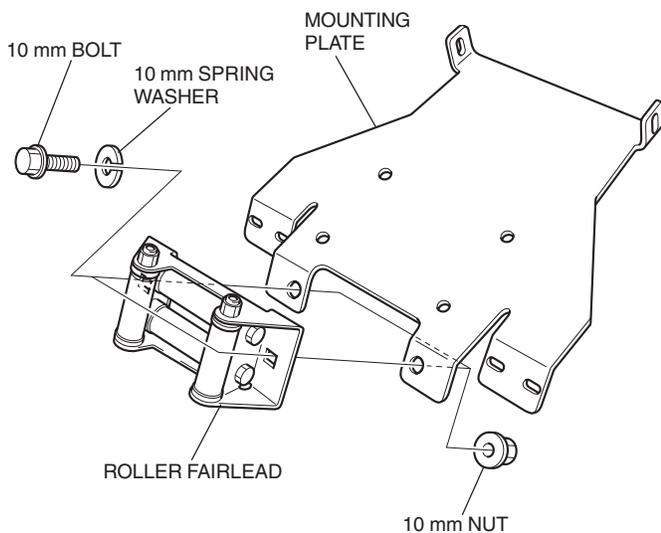
37. Remove the front carrier pipe as shown.



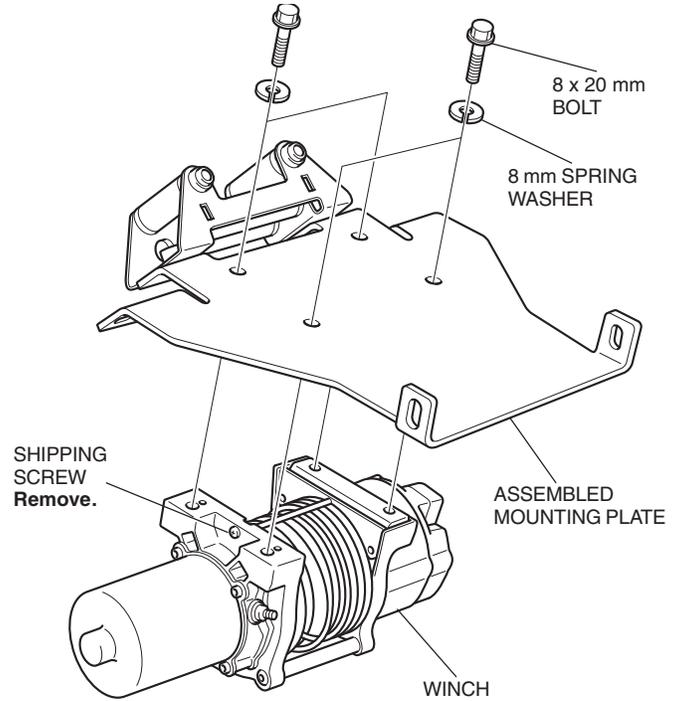
38. Route the power cables as shown.



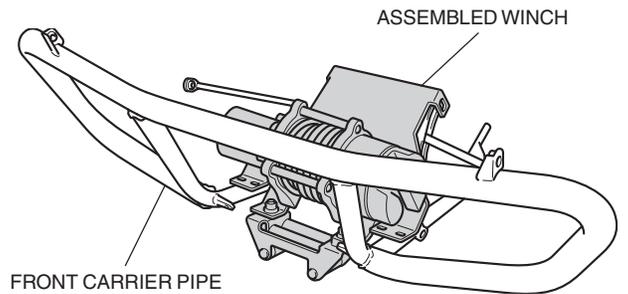
39. Assemble the mounting plate as shown.



40. Remove the shipping screw from the winch and install the assembled mounting plate as shown.

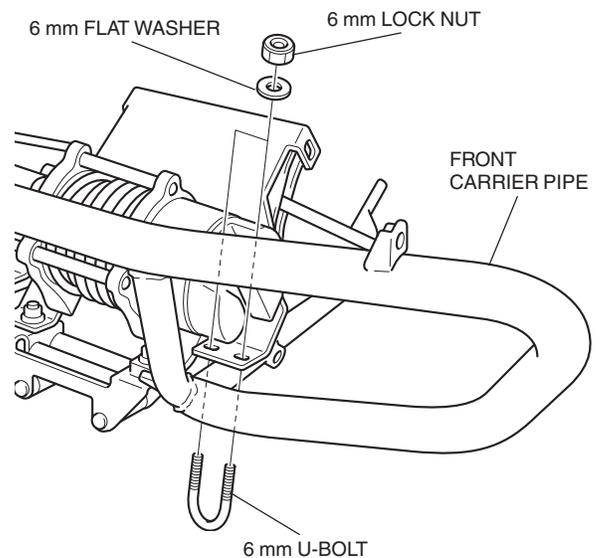


42. Place the assembled winch at the shown position.

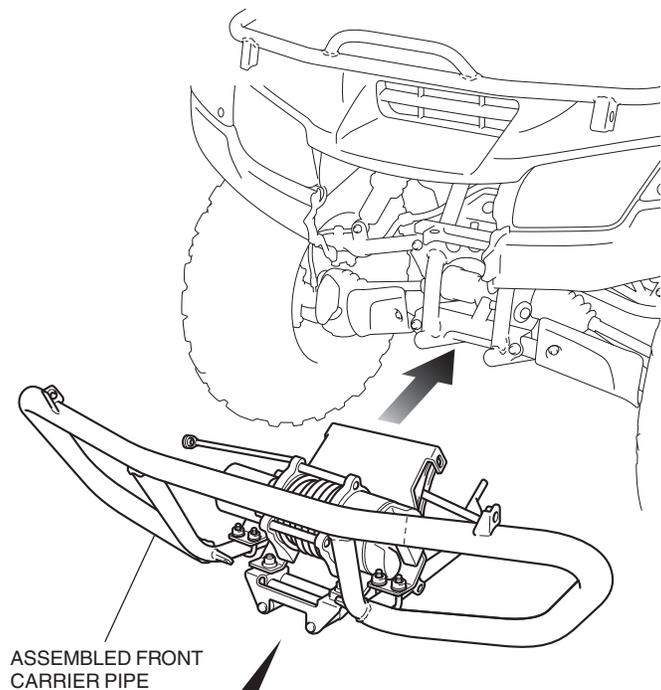


44. Loosely install the U-bolts as shown.

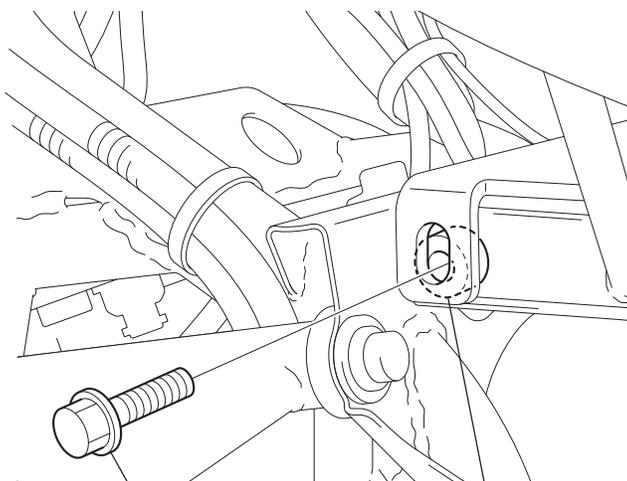
- Repeat on the right side.



43. Install the assembled front carrier pipe in the reverse order of removal.



Install a spacer between the frame and mounting plate.



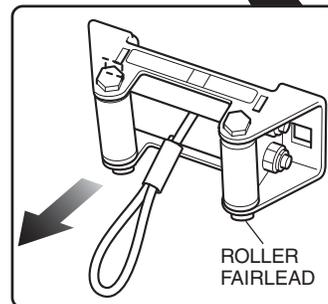
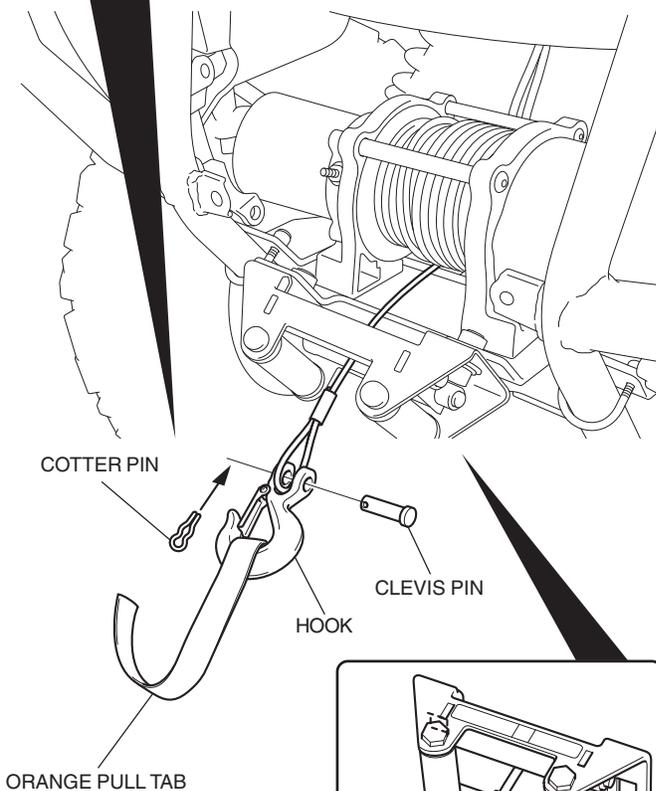
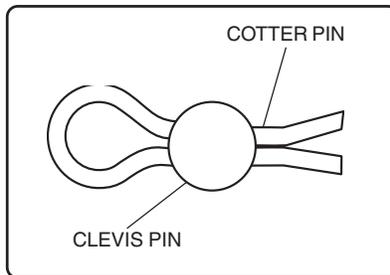
8 mm BOLT  
TORQUE: 37 N·m  
(3.7 kgf·m, 27 lbf·ft)

SPACER

Repeat on the left side.

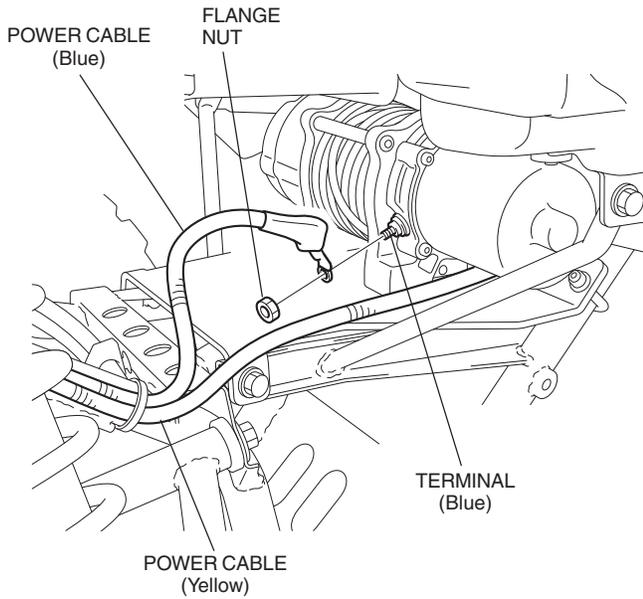
44. Tighten the loosely installed U-bolts securely.

45. Install the hook as shown.



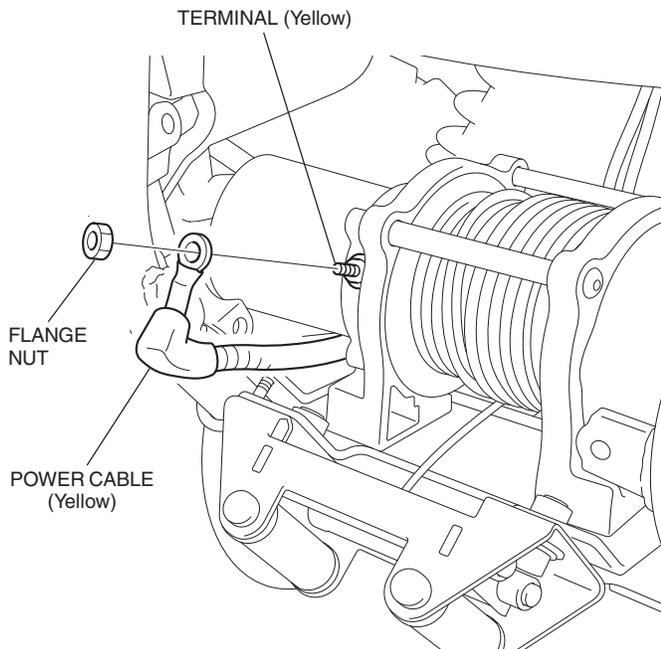
46. Connect the power cable (blue) as shown.

- **After connection, cover the cable terminal with the terminal boot to prevent contact with the frame.**



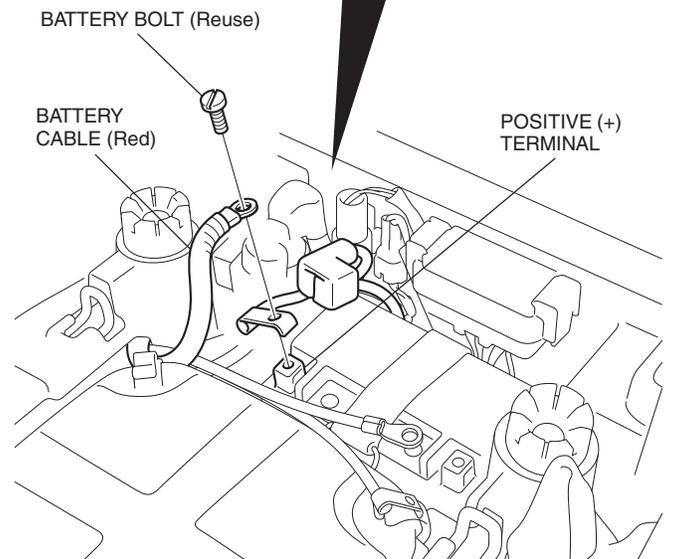
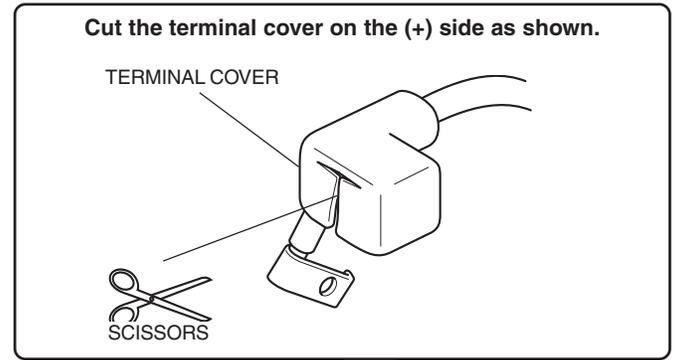
47. Connect the power cable (yellow) as shown.

- **After connection, cover the cable terminal with the terminal boot to prevent contact with the frame.**

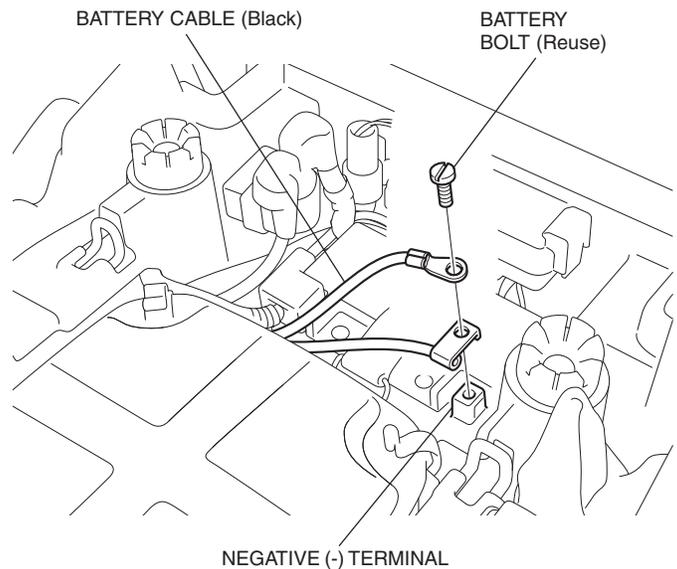


48. Connect the red battery cable to the positive (+) terminal of the battery as shown.

- **After connection, protect the terminal with the cover.**



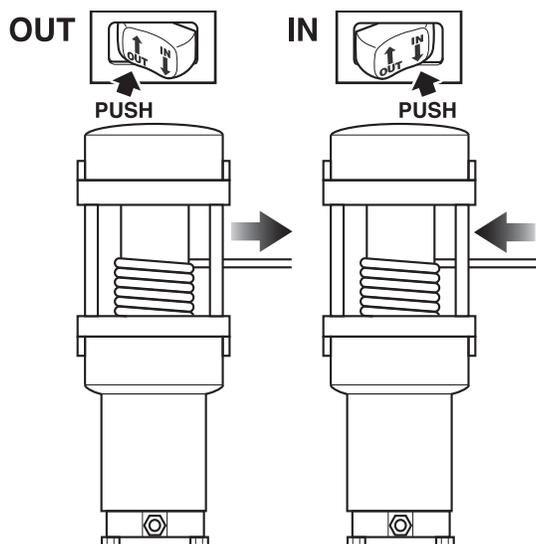
49. Connect the black battery cable to the negative (-) battery terminal as shown.



## CHECK THE SYSTEM:

50. Before using the winch, verify the following:

- The wiring to all components is correct. All loose wires are wrapped tight using cable-ties.
- There are no exposed wiring or terminals. Cover any terminal exposures with terminal boots, heat shrink tubing or electricians tape.
- Turn the ATV key 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.



51. Install the vehicle's parts in the reverse order of removal.