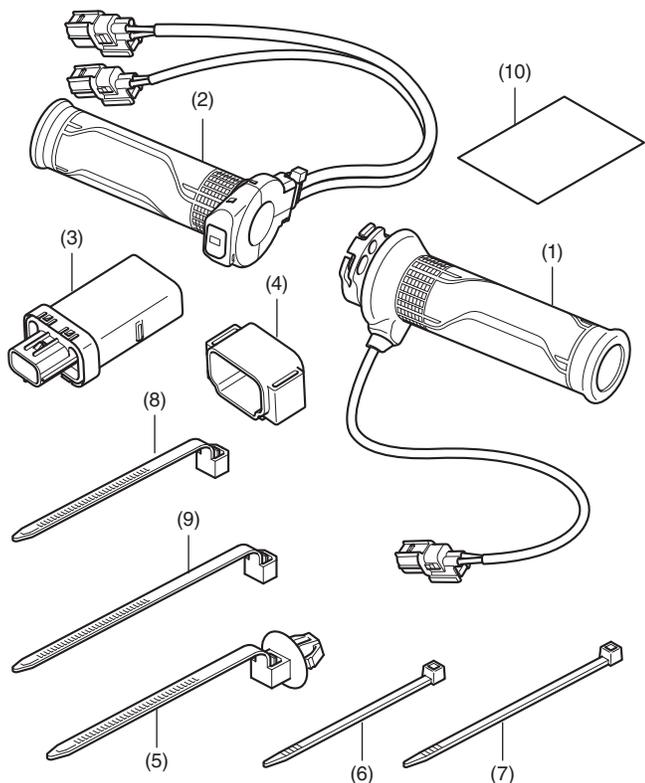


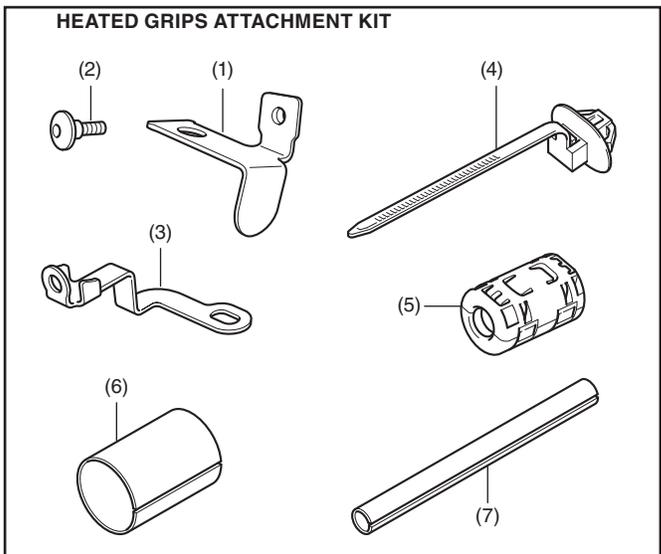
Honda Dealer: Please give a copy of these instructions to your customer.

PARTS LIST

HEATED GRIPS P/N 08T70-MJN-A01
(Sold separately)



| No. | Description | Qty |
|------|---|-----|
| (1) | Right heated grip | 1 |
| (2) | Left heated grip | 1 |
| (3) | Heater controller | 1 |
| (4) | Suspension | 1 |
| (5) | Clip band (Not used.) | 6 |
| (6) | Wire tie (narrow/short) | 6 |
| (7) | Wire tie (narrow/long) (Not used.) | 6 |
| (8) | Wire tie (wide/short) (Not used.) | 6 |
| (9) | Wire tie (wide/long) (Not used.) | 3 |
| (10) | Installation Instruction URL | 1 |



| No. | Description | Qty |
|-----|------------------------|-----|
| (1) | Heater controller stay | 1 |
| (2) | 5 mm screw | 1 |
| (3) | Clamp | 1 |
| (4) | Clip band | 2 |
| (5) | Noise filter | 1 |
| (6) | Slit tube (wide) | 1 |
| (7) | Slit tube (narrow) | 1 |

TOOLS AND SUPPLIES REQUIRED

- Hex wrench (5 mm)
- Flat-tip screwdriver
- Side cutters
- Marker
- Ruler
- Electrical tape (with heat resistance of 176°F or greater)
- Pro Honda Handgrip Cement
- Thread lock
- Scissors
- Grease
- Isopropyl alcohol
- Shop towel
- 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 screw | 4.2 | 0.4 | 3.1 |

INSTALLATION

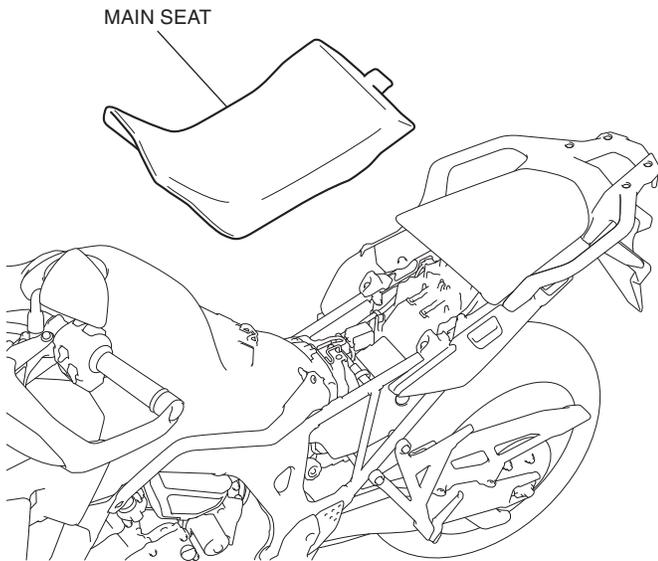
▲ CAUTION

- To prevent burns, allow the engine, exhaust system, radiator, etc., to cool before installing the accessory.

NOTE:

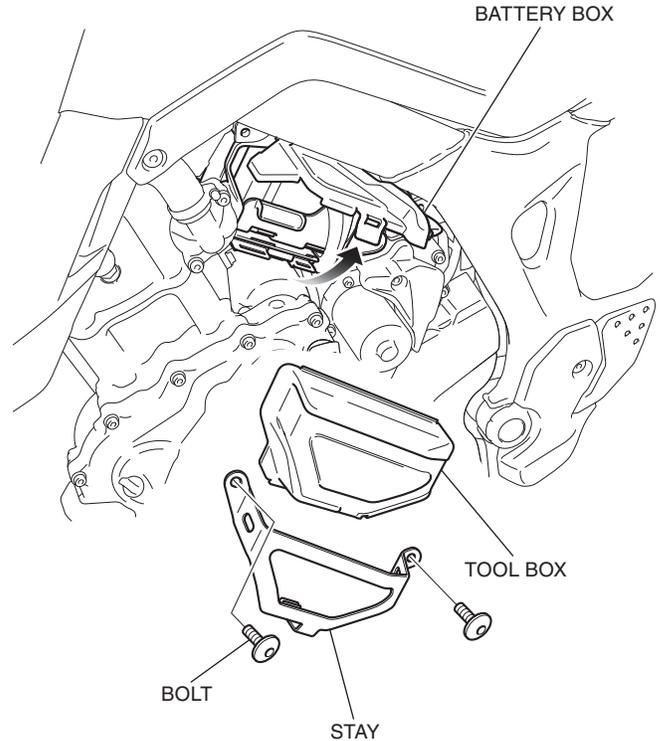
- Disconnect the throttle cable from the right grip as instructed in the motorcycle's Service Manual.
- For secure adhesion of the heated grips use the recommended adhesive agent Pro Honda Handgrip Cement or equivalent.
- Be sure to open and close the throttle to check for smooth operation in any steering position after installation of the right heated grip.
- Disconnect the negative (-) cable from the battery before installing this accessory.
- The clock will be erased when you disconnect the battery. Reset the clock after reconnecting the battery.
- Reinstall the removed parts on the motorcycle and make sure that the wires and harnesses are not pinched.
- 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.
- After heated grip installation, check the lights (e.g. right / left turn signal lights and brake lights) for proper operation.

1. Remove the main seat as shown.



2. Remove the tool box, open the battery box and disconnect the negative (-) terminal of the battery.

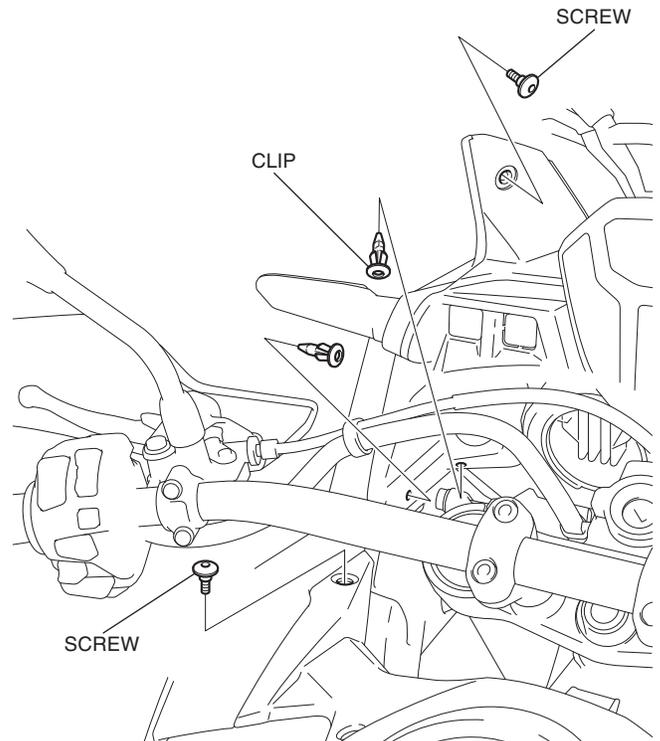
<Left side>



3. Remove the screws and clips as shown.

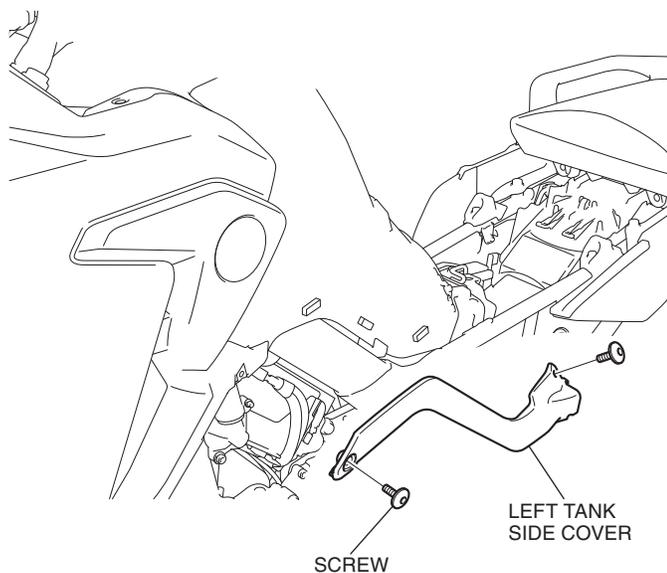
- Repeat on the right side.

<Left side>

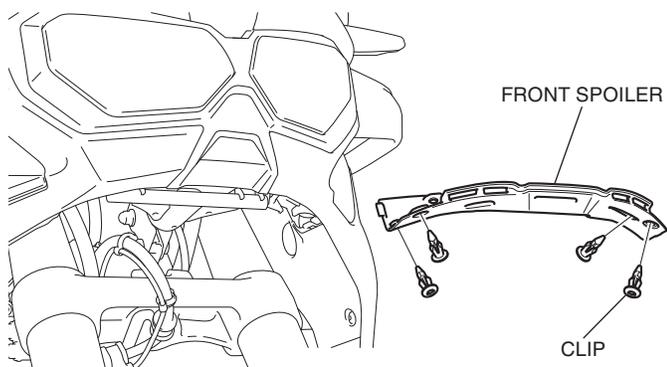


4. Remove the left tank side cover as shown.

<Left side>



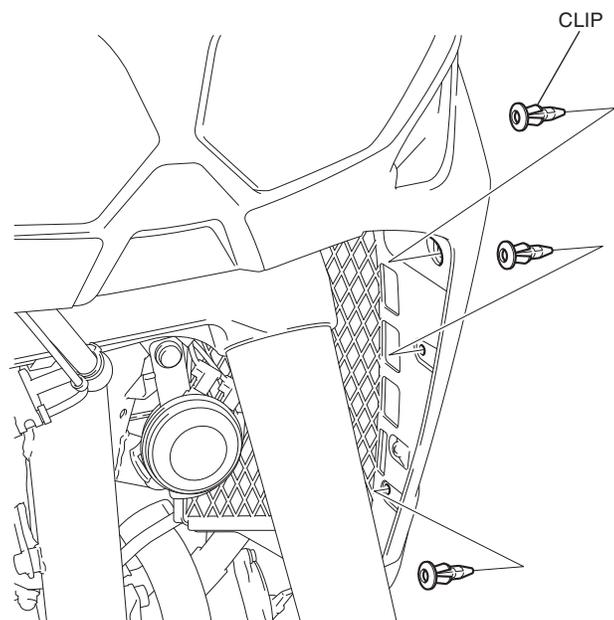
5. Remove the front spoiler as shown.



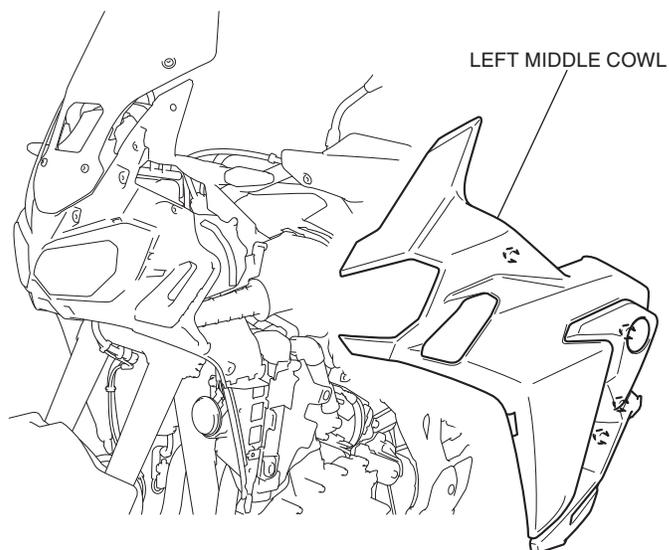
6. Remove the clips as shown.

- Repeat on the right side.

<Left side>

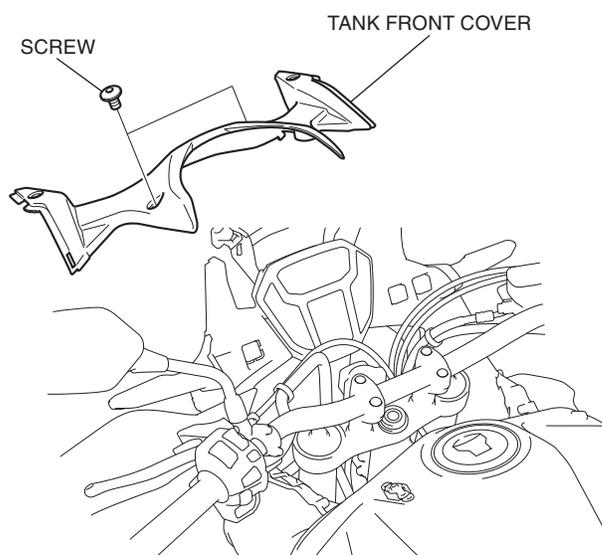


7. Remove the left middle cowl as shown.



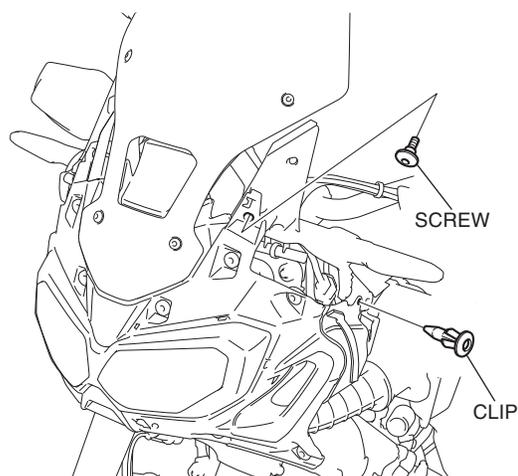
8. Remove the right tank side cover and right middle cowl in the same manner.

9. Remove the tank front cover as shown.

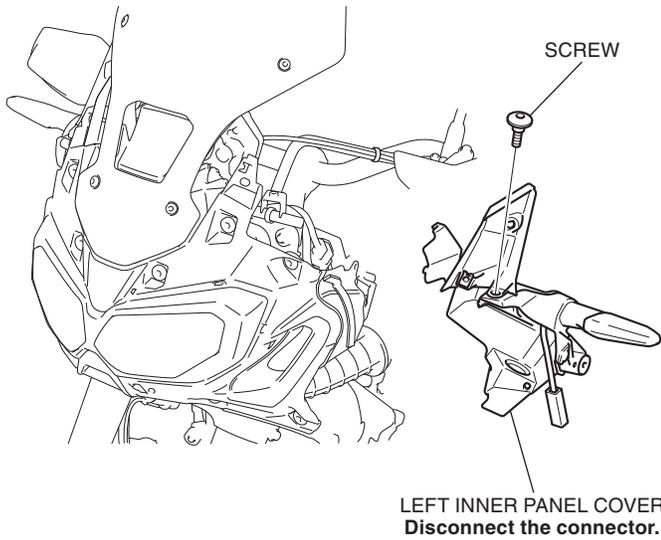


10. Remove the screw and clip as shown.

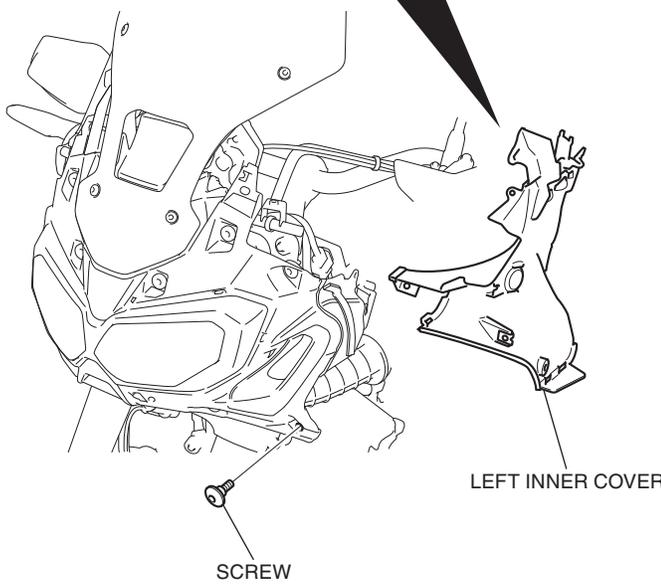
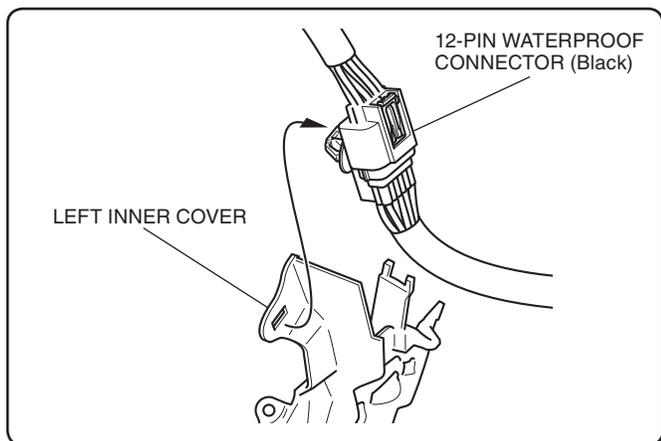
- Repeat on the right side.



11. Remove the left inner panel cover as shown.



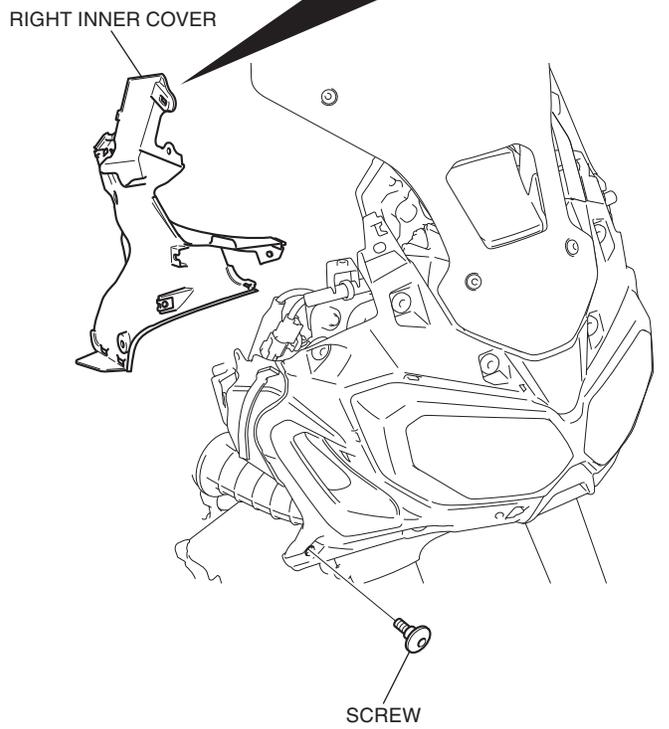
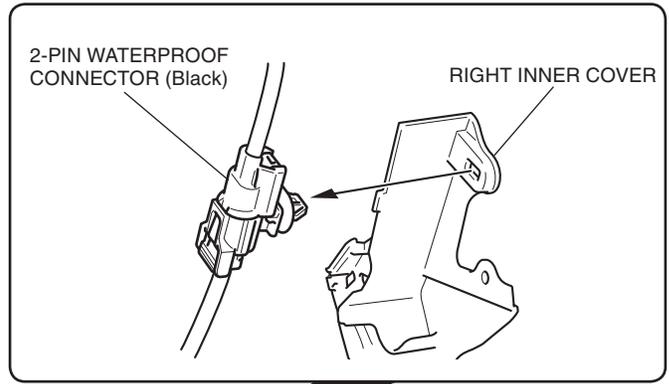
12. Remove the left inner cover as shown.



13. Remove the right inner panel cover in the same manner.

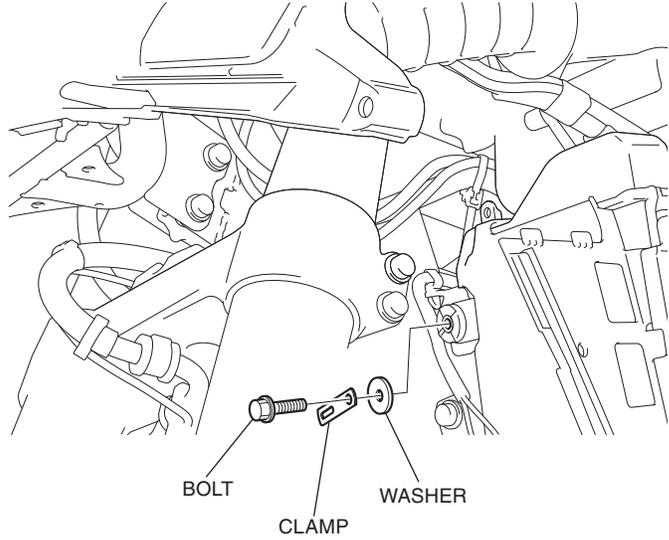
14. Remove the right inner cover as shown.

<Right side>



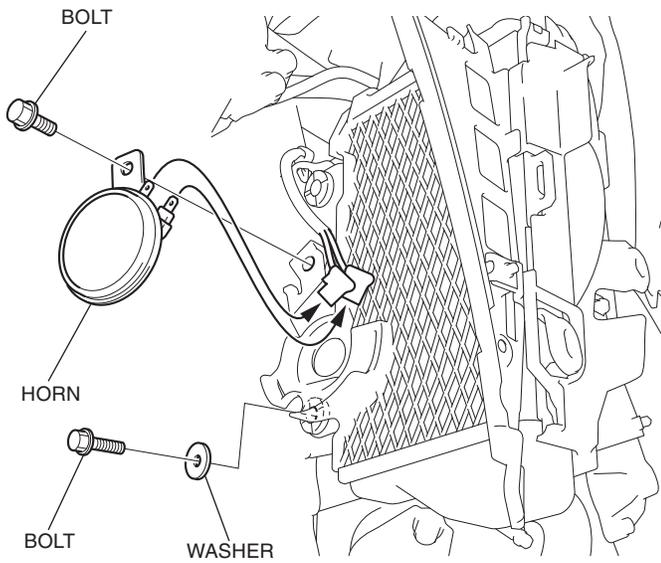
15. Remove the bolt as shown.

<Left side>



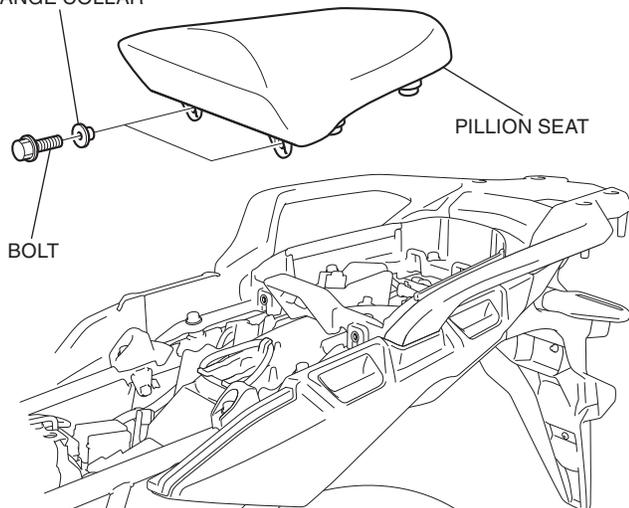
16. Remove the parts as shown.

<Left side>

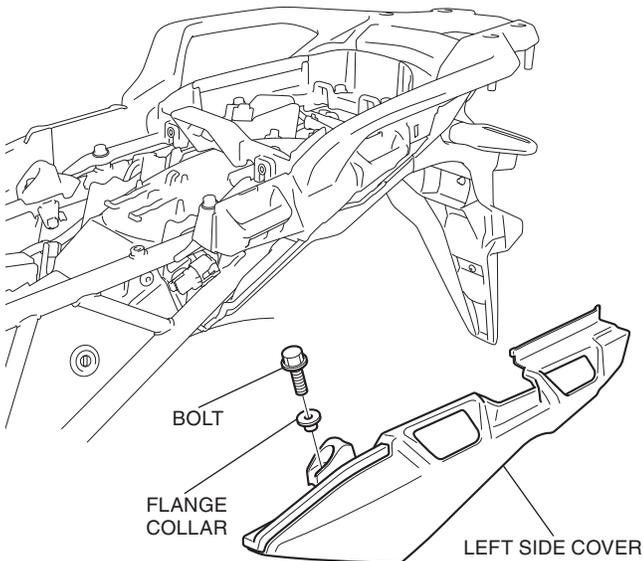


17. Remove the pillion seat as shown.

FLANGE COLLAR



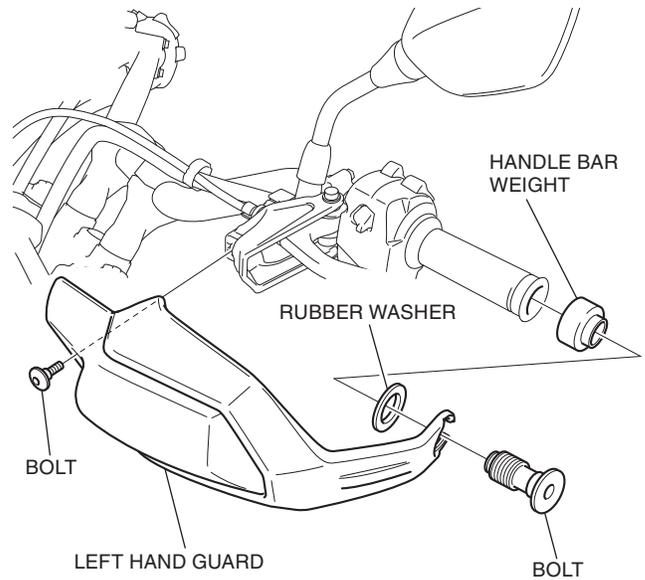
18. Remove the left side cover as shown.



19. Remove the parts as shown.

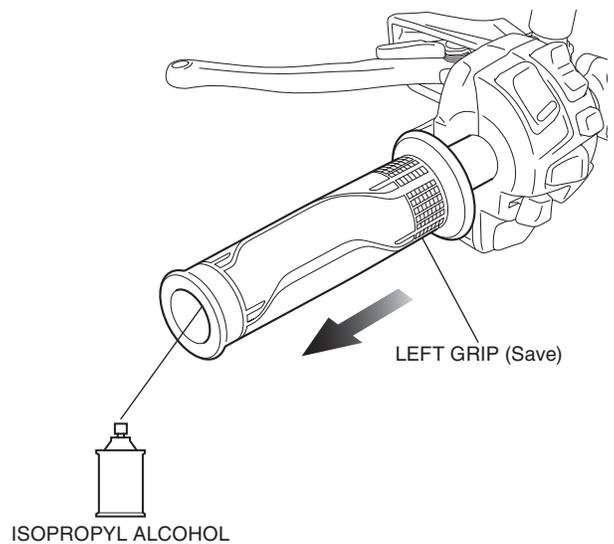
• Repeat on the right side.

<Left side> CRF1000L/D

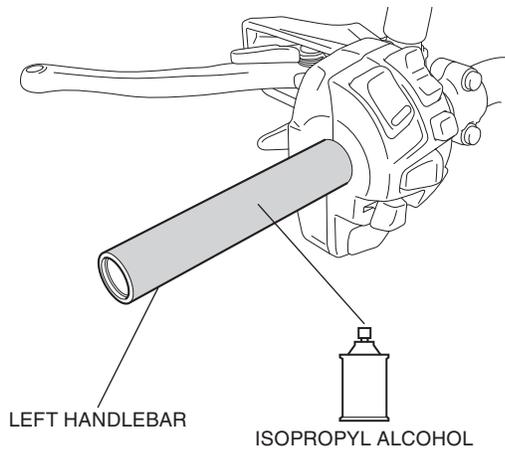


20. Remove the left grip as shown.

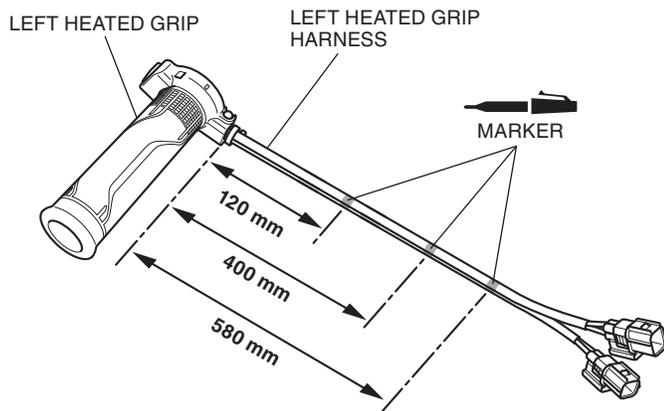
<Left side>



21. Using an isopropyl alcohol, remove all traces of adhesive from the left handlebar.

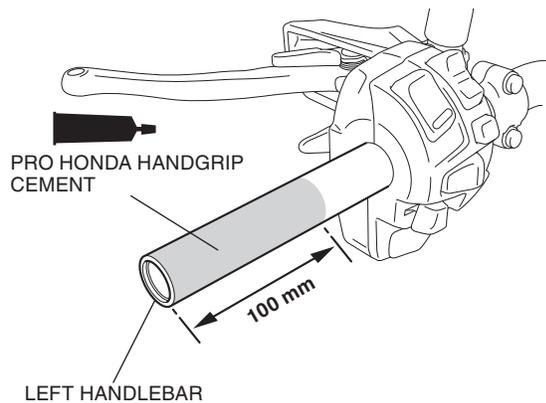


22. Mark the left heated grip harness in the positions shown.

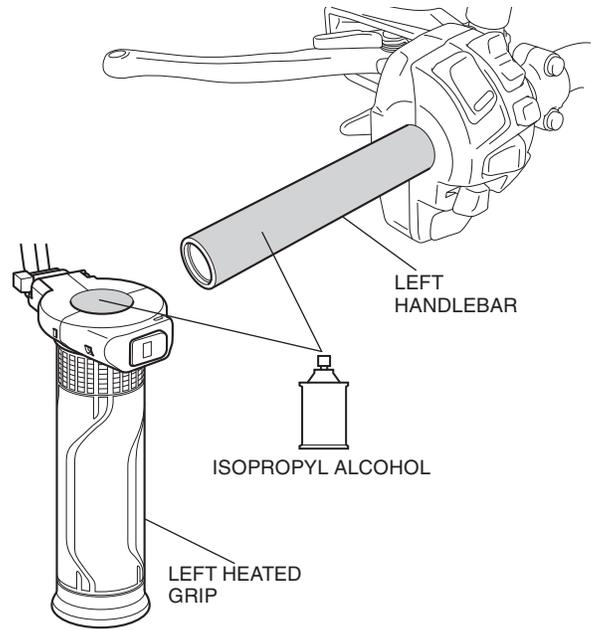


23. Apply the Pro Honda Handgrip Cement to the left handlebar as shown.

- Apply evenly to the whole circumferential surface of the left handlebar.
- Perform the next step 5 minutes after application.



24. Spray isopropyl alcohol over the inside of the heated grip and outside of the left handlebar.

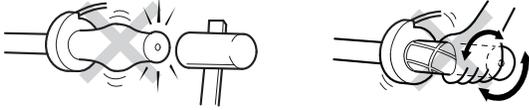


25. Slide the left heated grip onto the left handlebar as indicated.

- Use an assistant to steady the motorcycle while installing the grips.
- Wipe up excess adhesive at once.

NOTICE

• Do not tap on the grip end with a hammer and do not twist the grip to install the heated grip onto the handlebar, as it can damage the element.

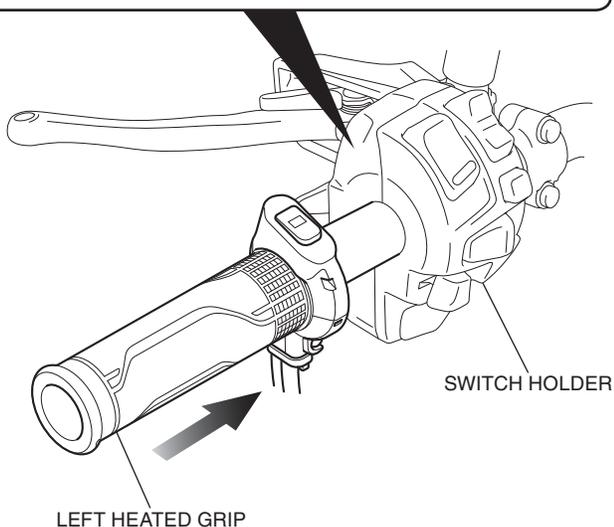
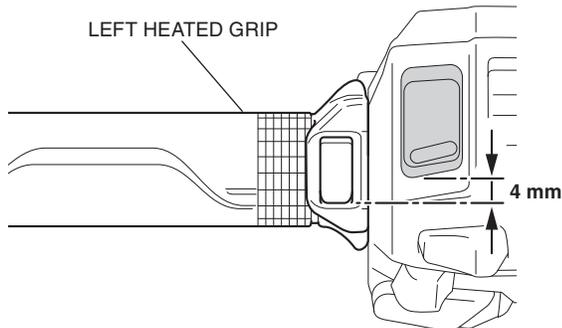


• Avoid putting pressure on the switch part when inserting the left heated grip. There is a possibility that the switch part will break. Also, install so that there is no gap at the switch holder.



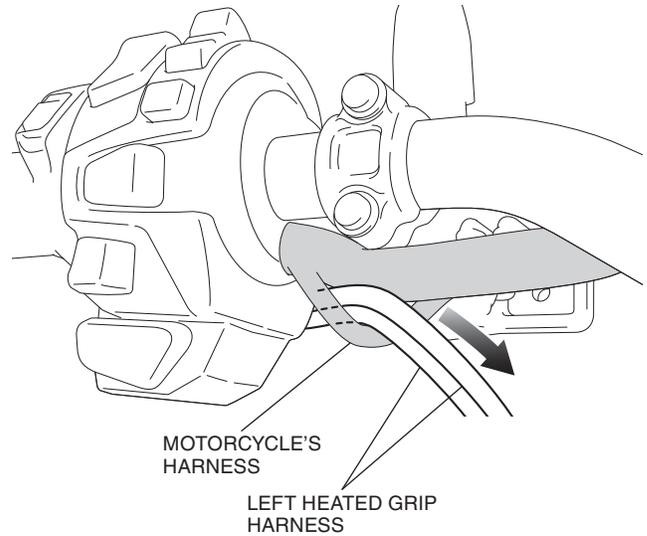
- If the grip gets stuck halfway during installation, apply isopropyl alcohol on the handlebar in the gap between the heated grip and switch. Do not try to remove the heated grip using force or a screwdriver, etc. Damage to the heated grip wire can result.
- Do not touch the left handlebar or turn on the heater switch for at least one hour after attachment.

Insert until there is contact with the switch holder, then align to the indicated position.



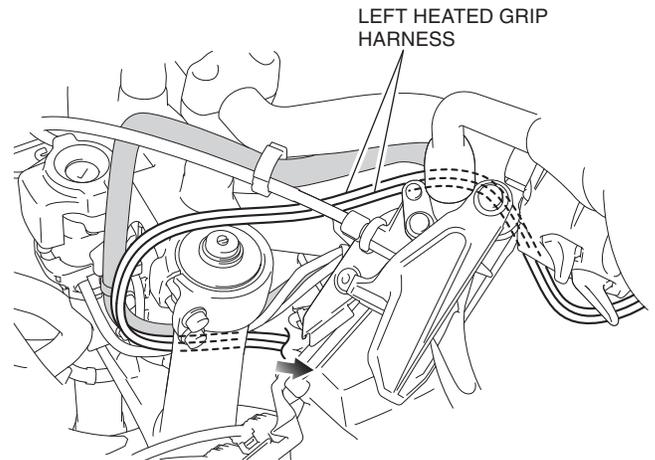
26. Route the left heated grip harness as shown.

<Left side>

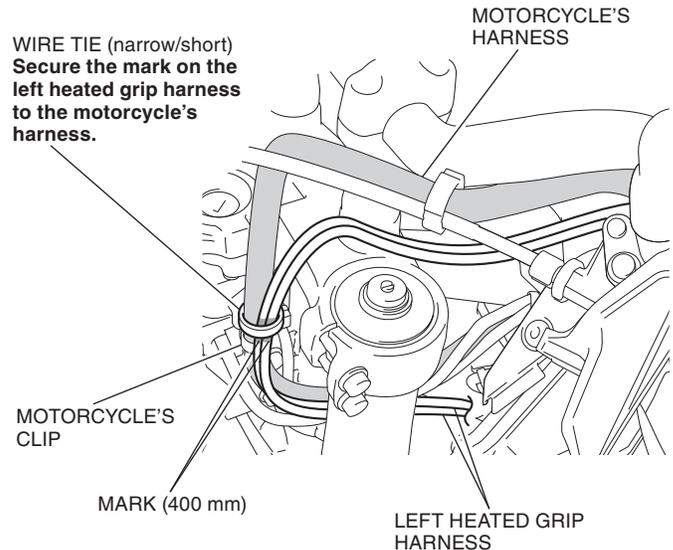


27. Route the left heated grip harness as shown.

<Left side>

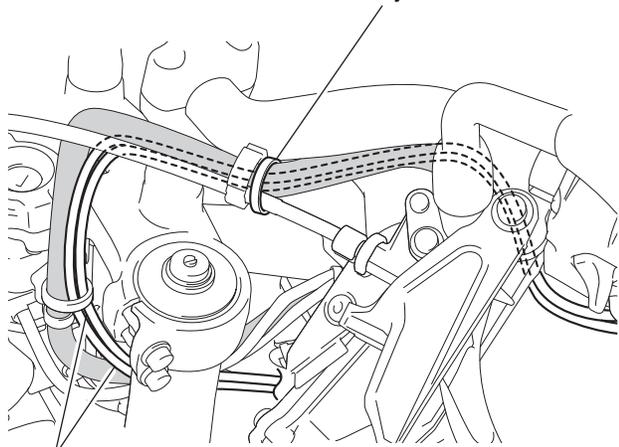


28. Secure the left heated grip harness using the wire tie as shown.



29. Secure the left heated grip harness using the wire tie as shown.

WIRE TIE (narrow/short)
Secure the left heated grip harness and cable to the motorcycle's harness.

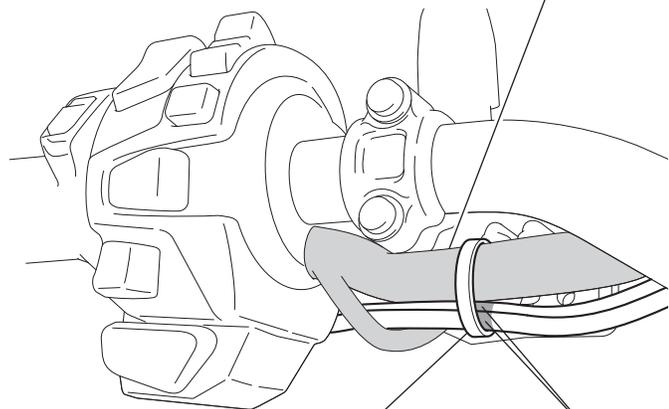


LEFT HEATED GRIP HARNESS

30. Secure the left heated grip harness using the wire tie as shown.

<Left side>

MOTORCYCLE'S HARNESS

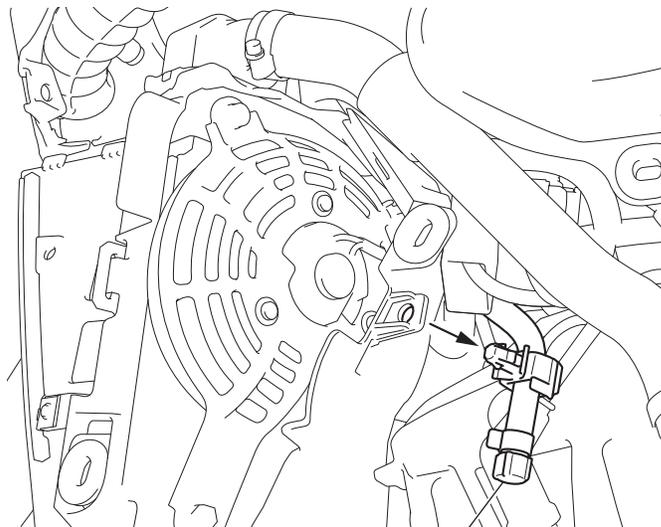


WIRE TIE (narrow/short)
Secure the left heated grip harness to the motorcycle's harness at the mark as shown.

MARK (120 mm)

31. Remove the drain tube as shown.

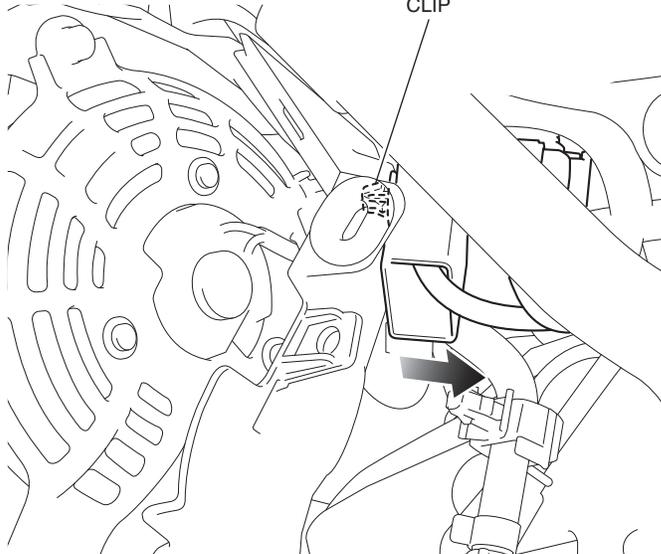
<Left side>



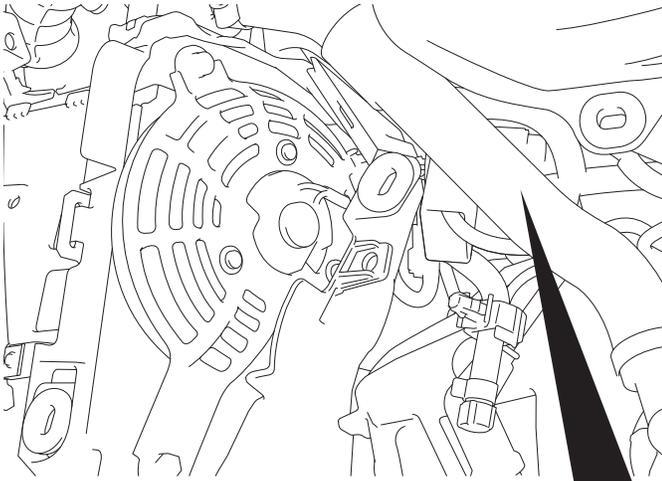
DRAIN TUBE

32. Remove the clip as shown.

CLIP

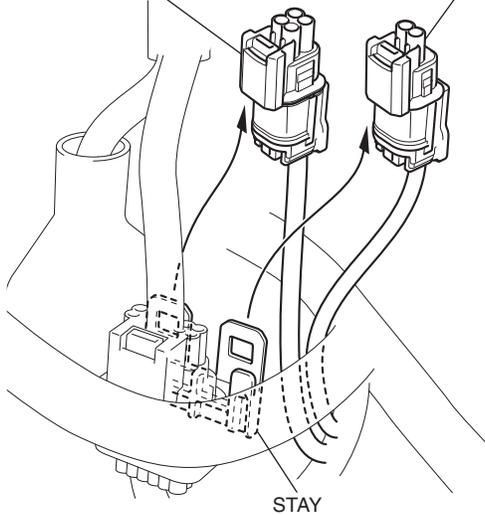


33. Remove the connectors from the stay as shown.



4-PIN WATERPROOF CONNECTOR (Black)
Remove from the stay.

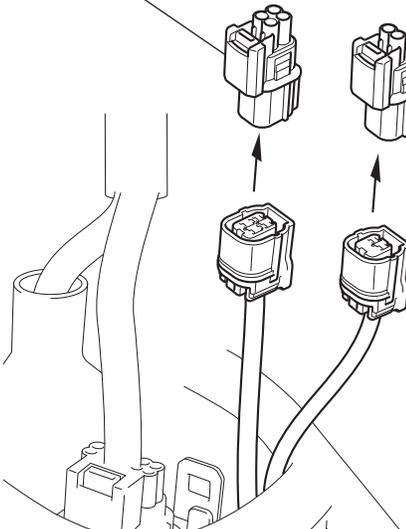
2-PIN WATERPROOF CONNECTOR (Black)
Remove from the stay.



34. Remove the dummy connectors as shown.

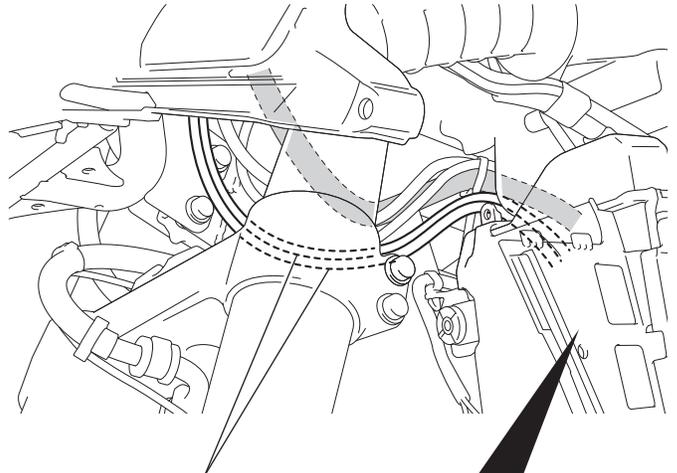
4-PIN WATERPROOF DUMMY CONNECTOR (Black) (Save)

2-PIN WATERPROOF DUMMY CONNECTOR (Black) (Save)

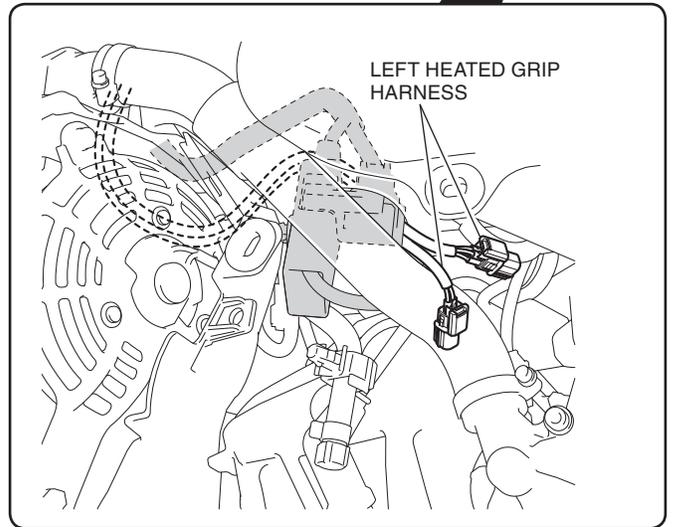


35. Route the left heated grip harness as shown.

<Left side>



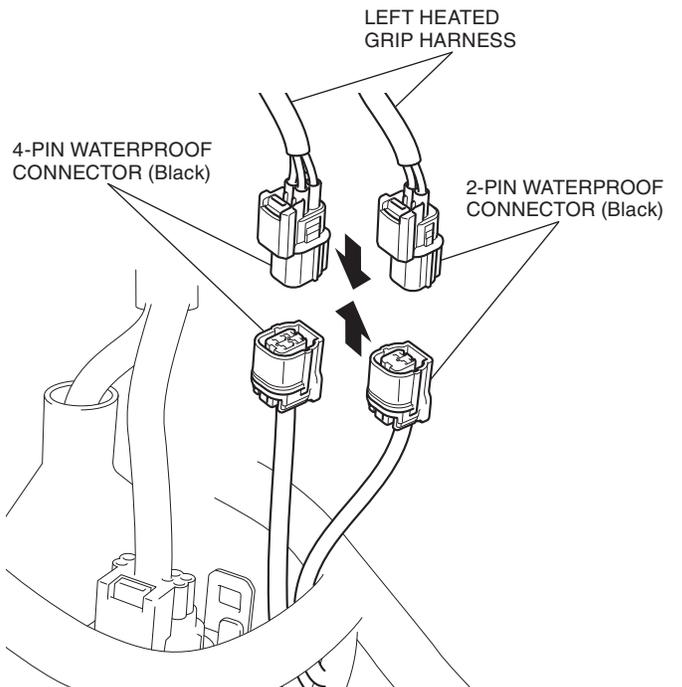
LEFT HEATED GRIP HARNESS



LEFT HEATED GRIP HARNESS

36. Connect the left heated grip harness as shown.

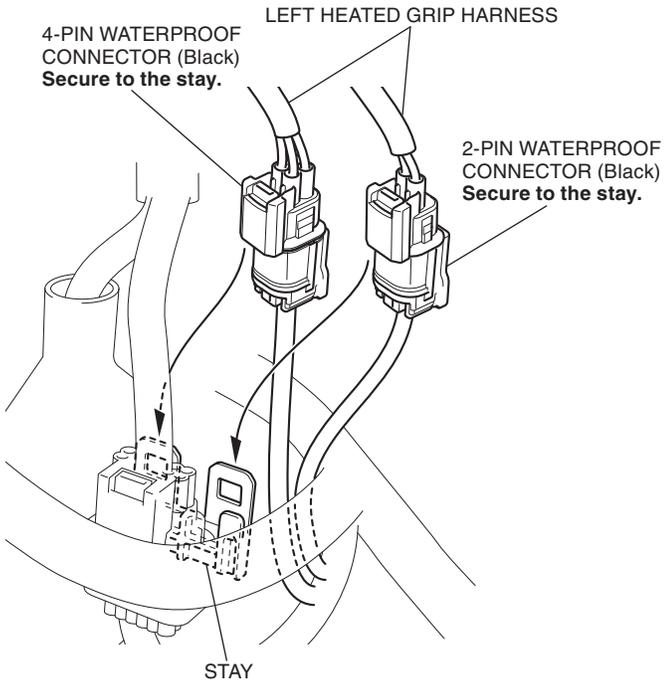
LEFT HEATED GRIP HARNESS



4-PIN WATERPROOF CONNECTOR (Black)

2-PIN WATERPROOF CONNECTOR (Black)

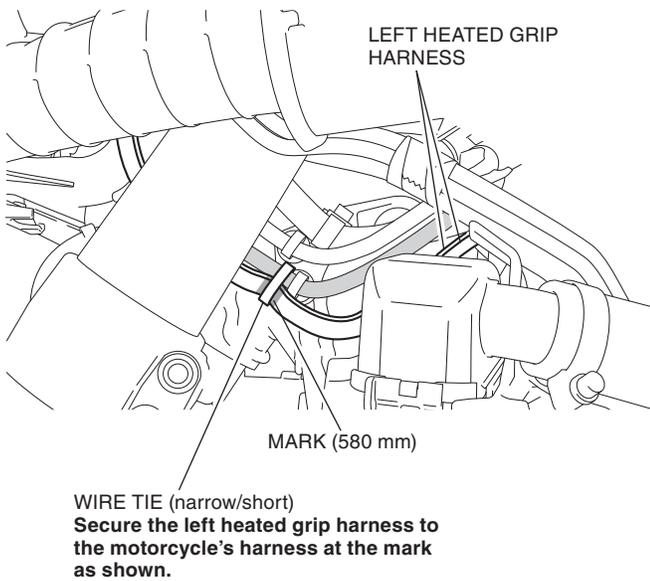
37. Secure the left heated grip harness to the stay.



38. Secure the left heated grip harness with the wire tie as shown.

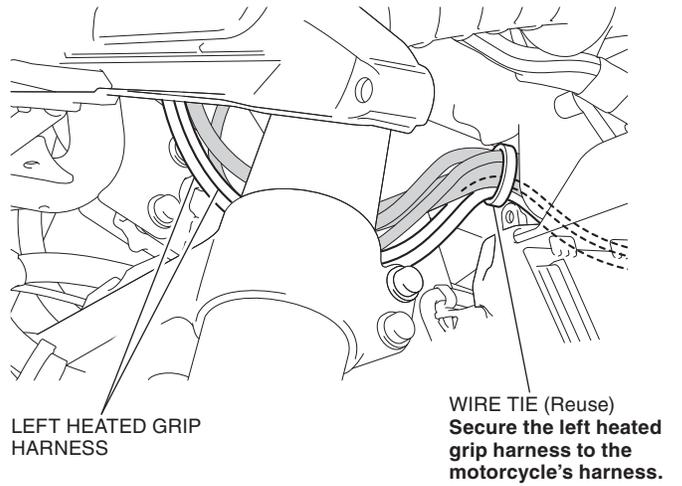
- Secure the left heated grip harness to the underside of the motorcycle's harness.

<Left side>



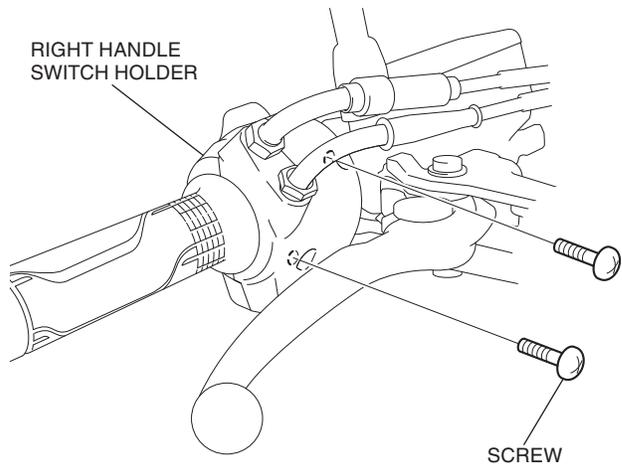
39. Secure the left heated grip harness with the wire tie as shown.

- Secure the left heated grip harness to the underside of the motorcycle's harness.



40. Remove the screws from the motorcycle as shown.

<Right side>

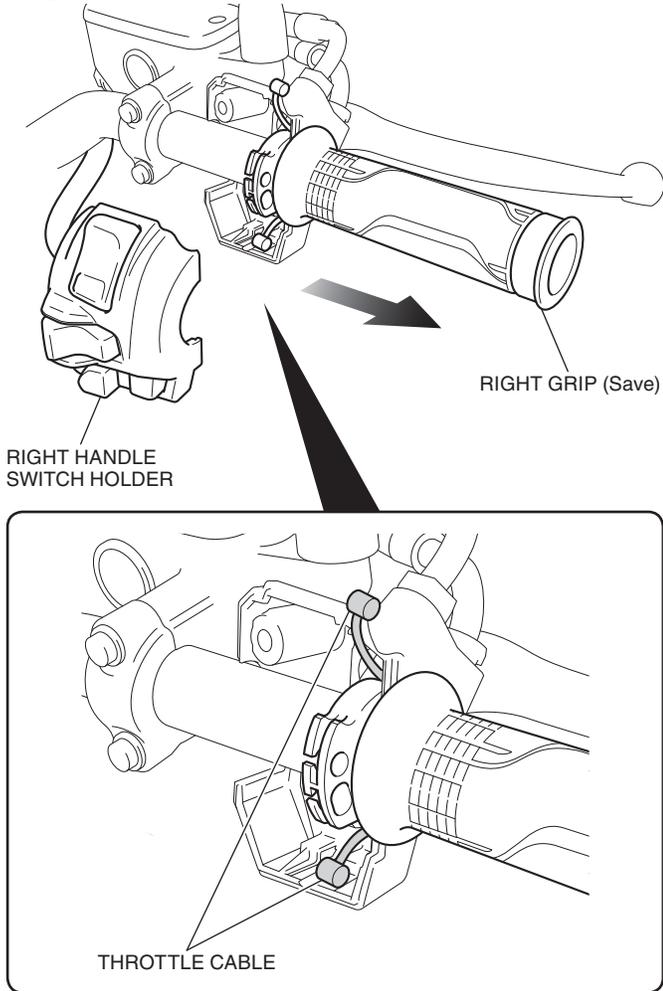


41. Remove the right grip as shown.

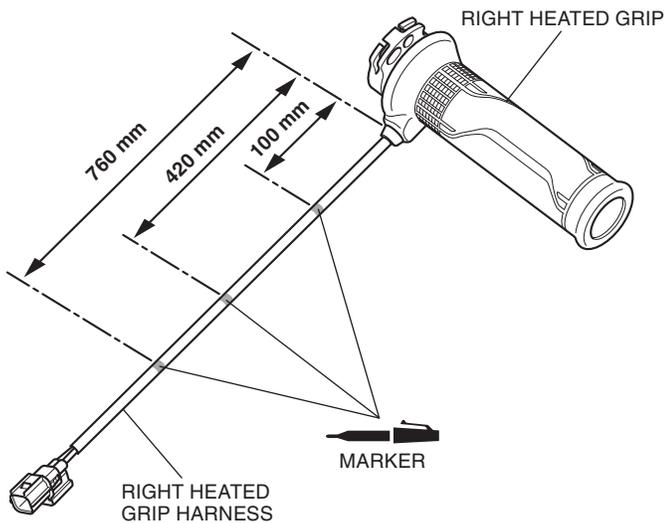
NOTE

Disconnect the throttle cable from the right grip as instructed in the motorcycle's Service Manual. Do not try to disconnect the cable with force using the pliers, etc. Refer to the motorcycle's Service Manual.

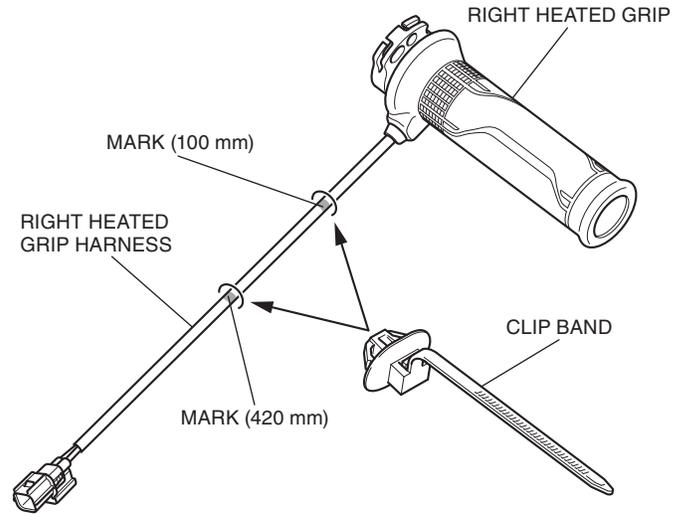
<Right side>



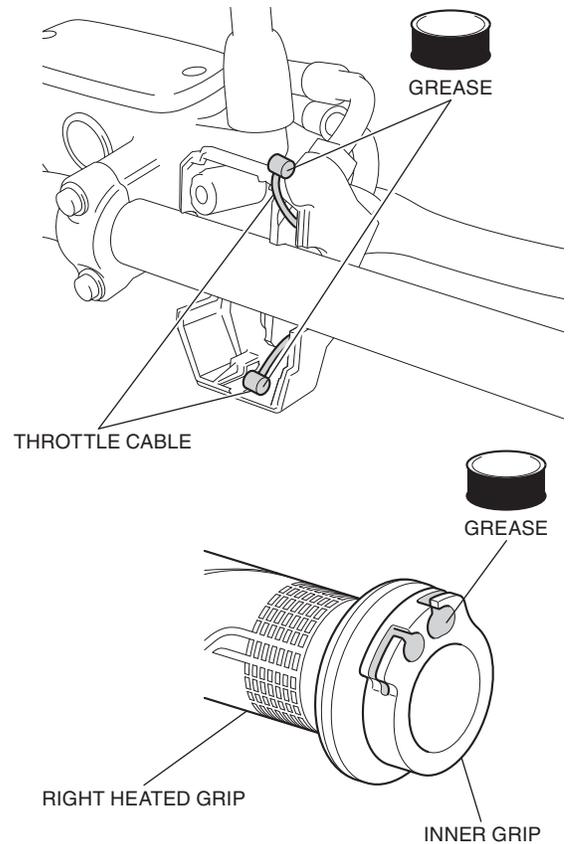
42. Mark the right heated grip harness in the positions shown.



43. Install the clip bands on the marked positions as shown.

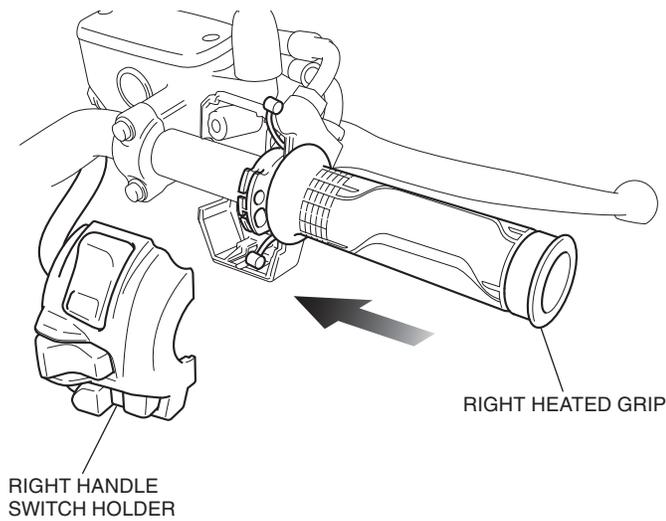


44. Apply grease to the  parts of the throttle cables and inner grip as shown.



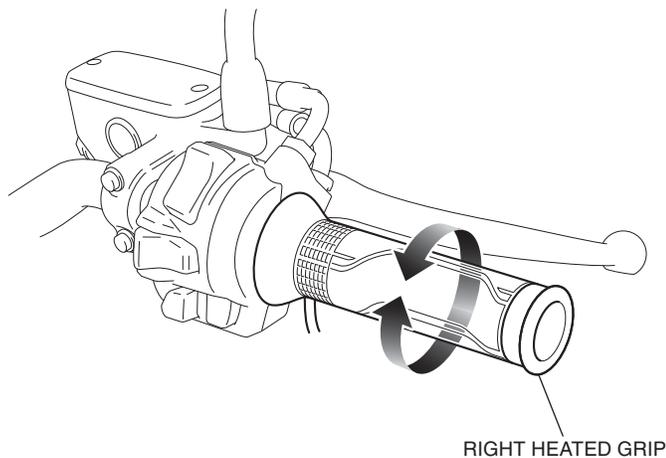
45. Install the right heated grip and right handle switch holder in the reverse order of removal.

- **After installation, refer to the Service Manual and adjust the throttle freeplay.**

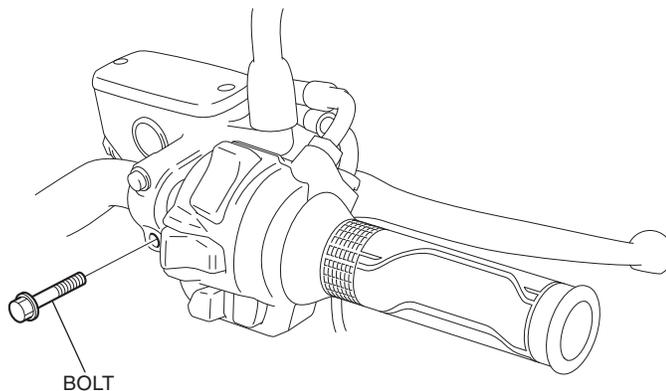


46. Twist the throttle grip as shown.

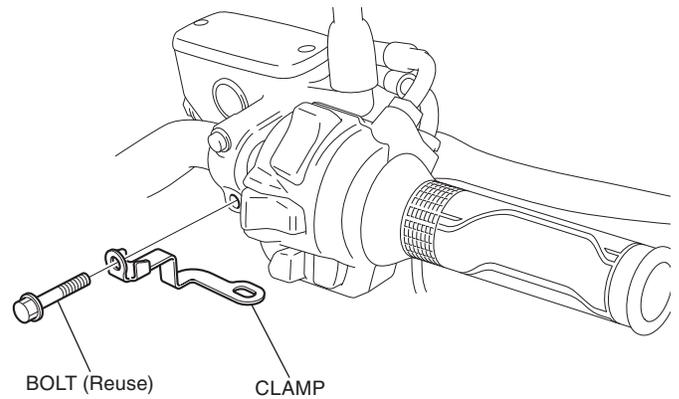
- **Check for smooth opening of the throttle and that it automatically snaps closed from any opening, in all steering positions.**



47. Remove the bolt as shown.



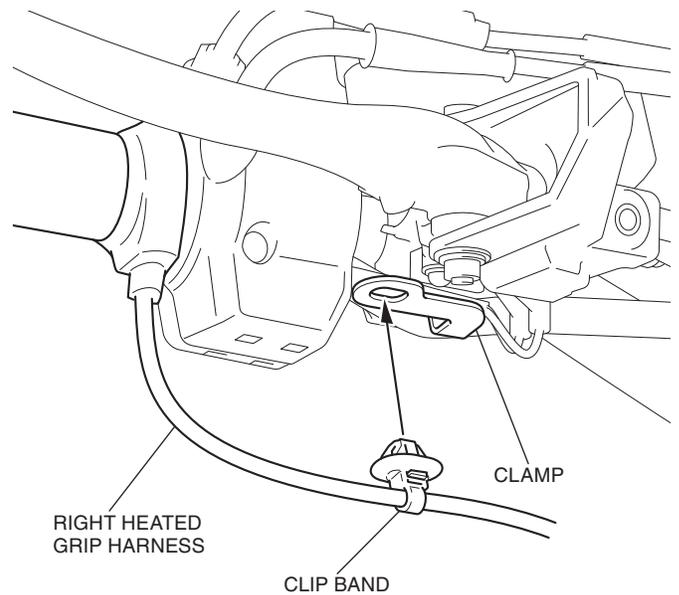
48. Install the clamp as shown.



49. Secure the right heated grip harness as shown.

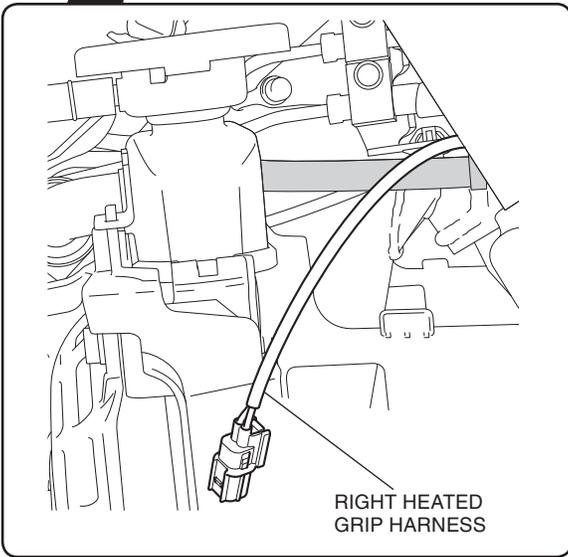
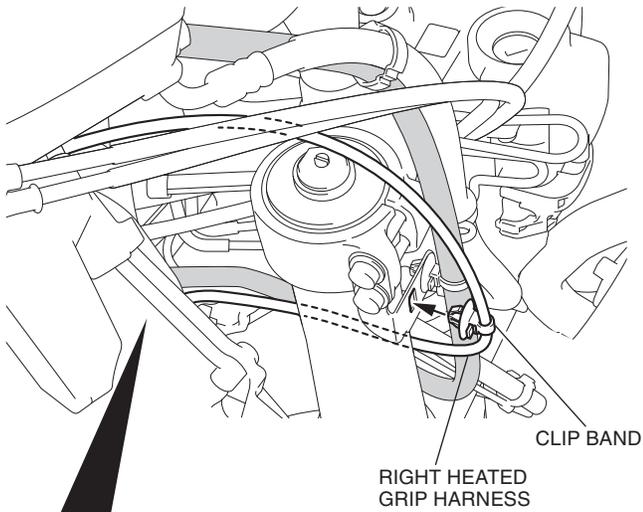
- **Open and close the throttle and confirm that there is no tightness of the heated grip harness.**

<Right side>



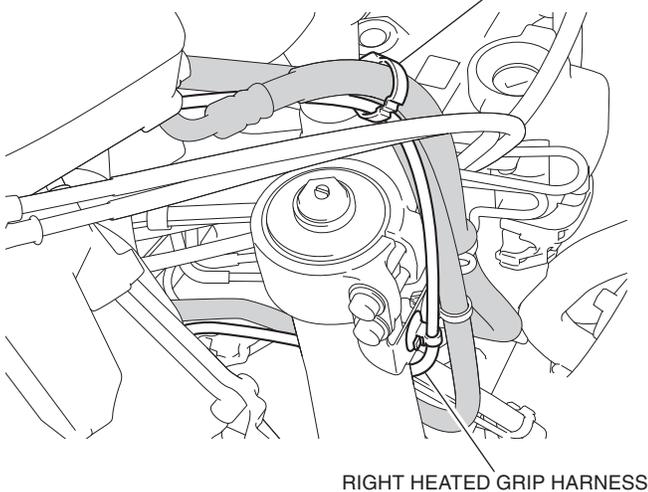
50. Route the right heated grip harness as shown and secure the harness.

<Right side>



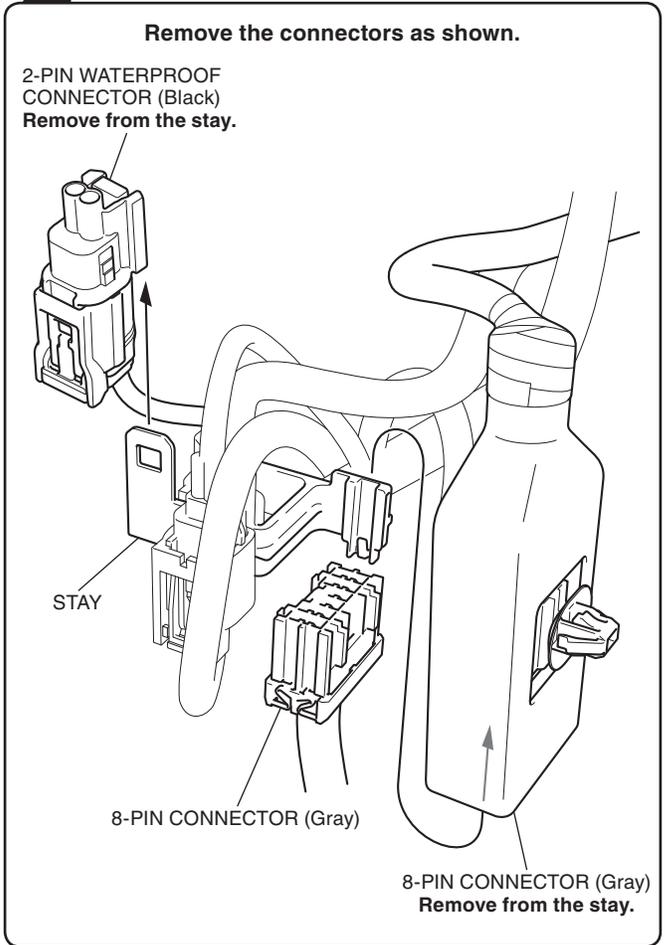
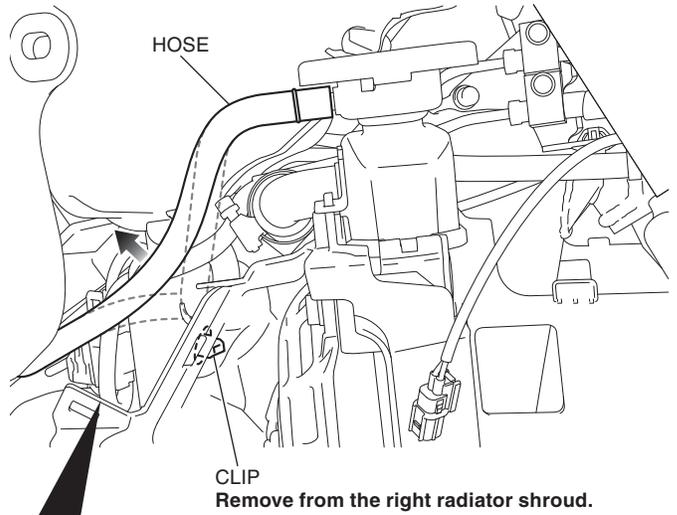
51. Secure the right heated grip harness with the clamp as shown.

CLAMP (Reuse)
Secure the right heated grip harness, brake hose and motorcycle's harness.

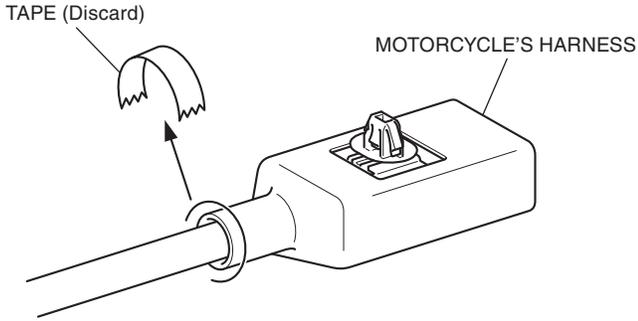


52. Remove the hose and connectors as shown.

<Right side>

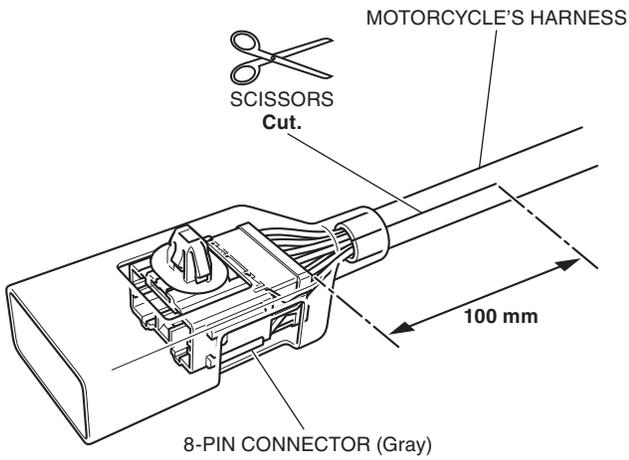


53. Remove the tape from the motorcycle's harness as shown.

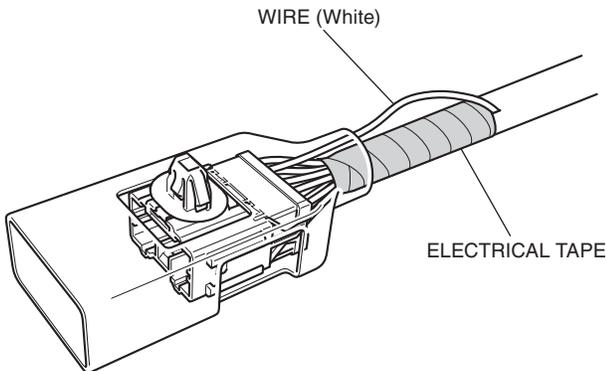


54. Cut into the motorcycle's harness to the dimension shown.

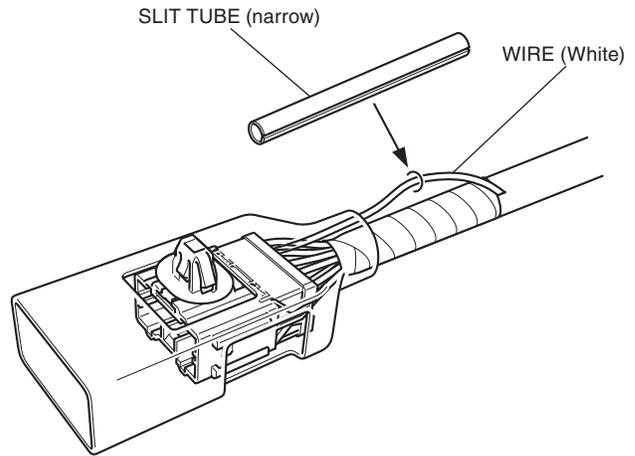
- **Be careful not to cut the wires.**



55. Take out the white wire as shown and attach electrical tape at the indicated position.

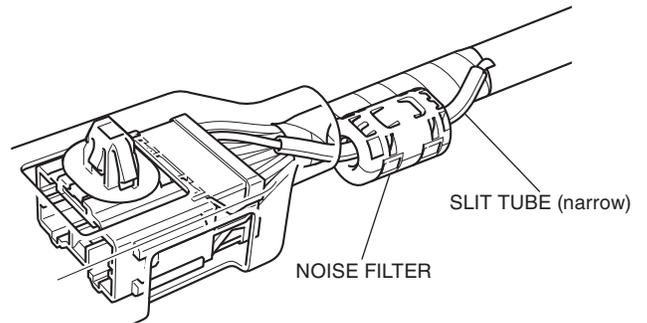


56. Install the slit tube as shown.

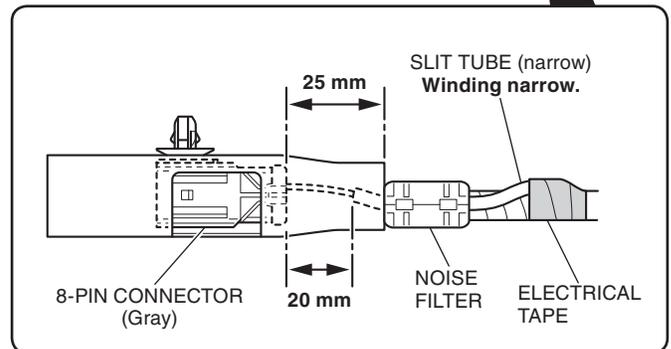
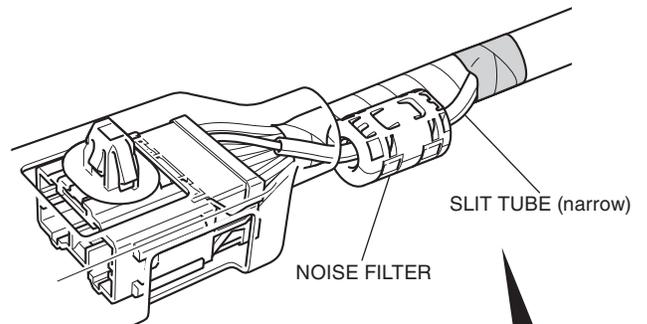


57. Install the noise filter as shown.

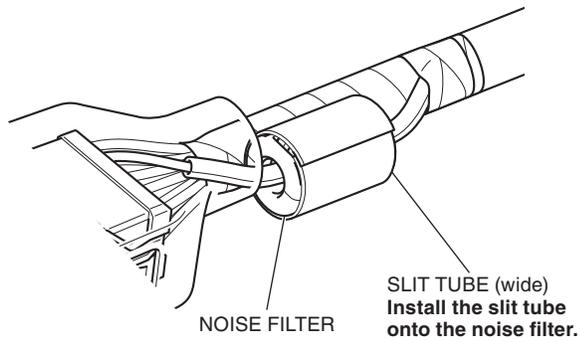
- **Check that the slit tube is not caught.**
- **Check that the noise filter rotates freely.**



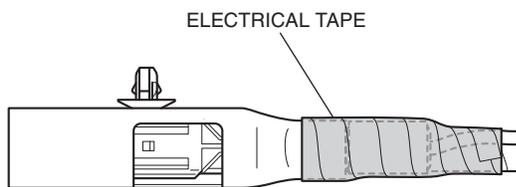
58. Wrap the slit tube with electrical tape as shown.



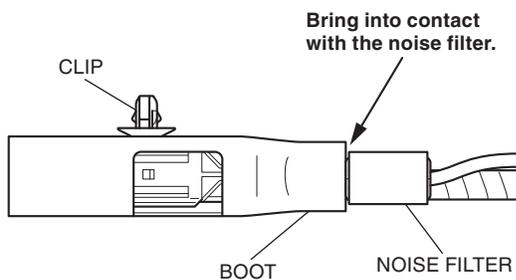
59. Install the slit tube over the noise filter as shown.



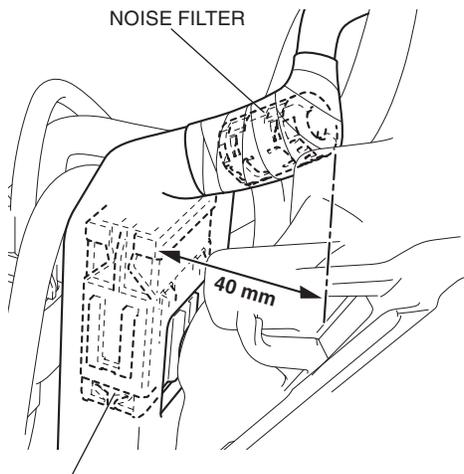
60. Secure the noise filter with electrical tape as shown.



Secure the noise filter to the clip side as shown.

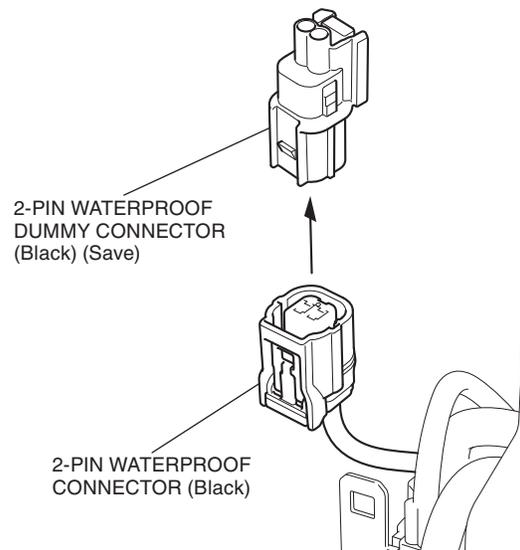


61. Install the 8-pin connector in the reverse order of removal. Make sure that the end of the 8-pin connector is within 40 mm from the end of the noise filter, as shown.

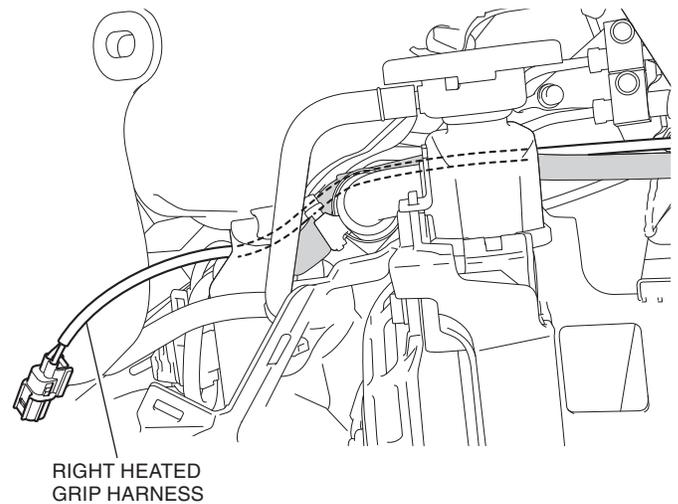


8-PIN CONNECTOR (Gray)

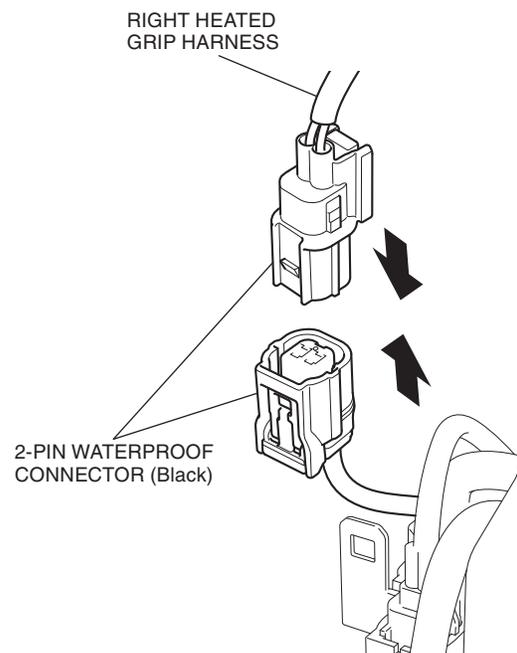
62. Remove the dummy connector as shown.



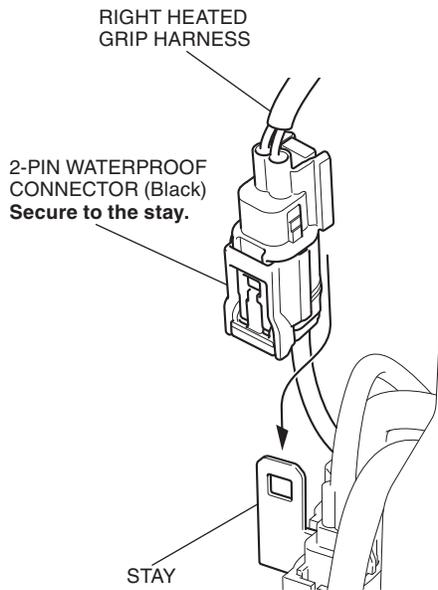
63. Route the right heated grip harness as shown.



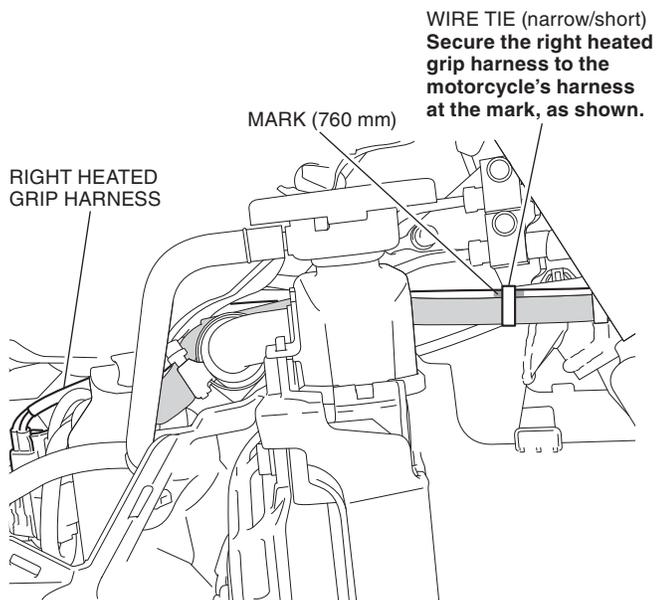
64. Connect the right heated grip harness as shown.



65. Secure the right heated grip harness as shown.



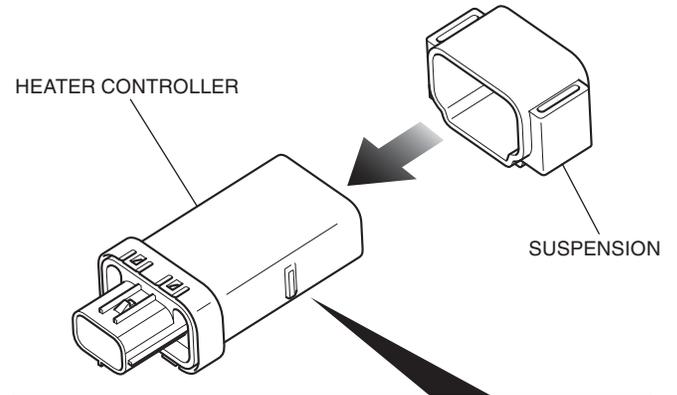
66. Secure the right heated grip harness with the wire tie as shown.



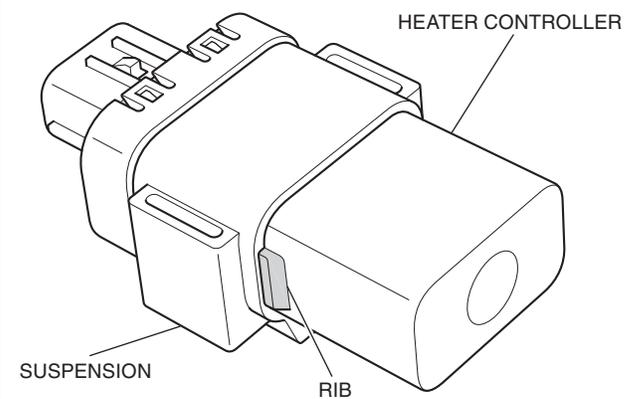
67. Check each harness for sufficient play.

- Move the handlebar right and left fully and check that the harnesses are not pinched by neighboring components and that they are not pulled taut.

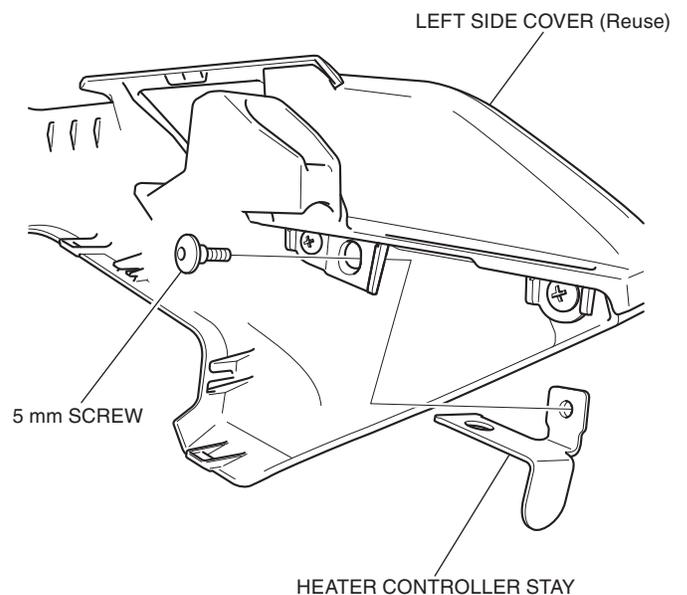
68. Install the suspension as shown.



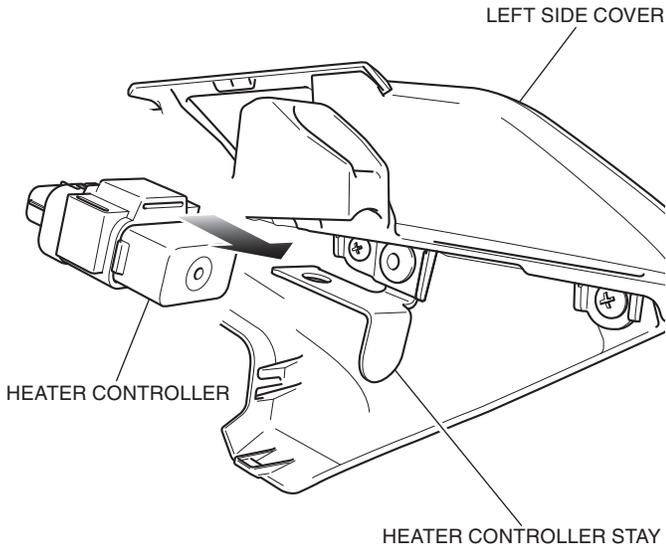
Insert until the end of suspension stops at the rib as shown.



69. Install the heater controller stay as shown.

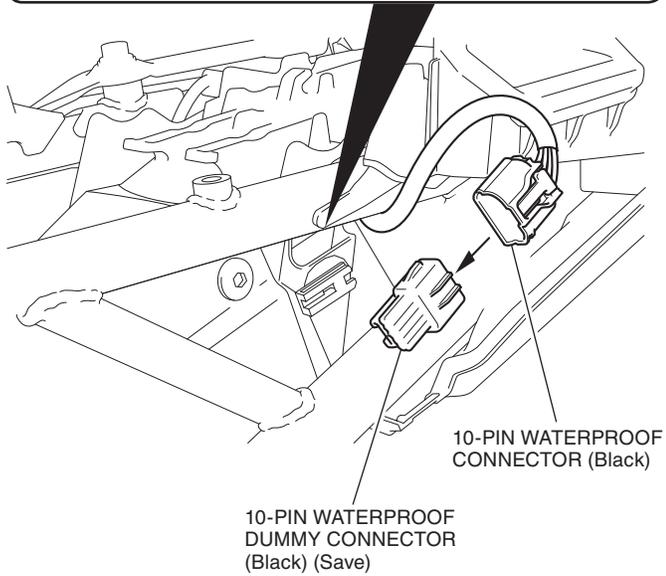
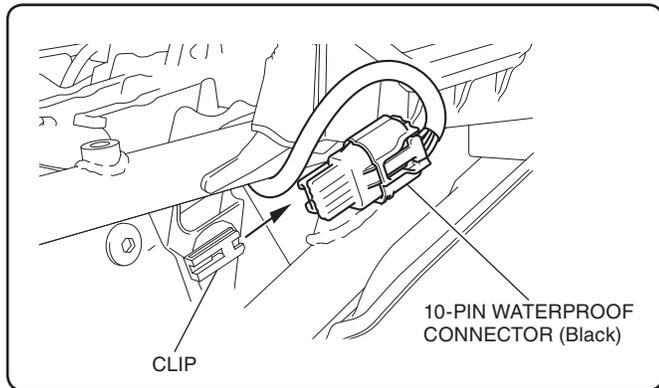


70. Install the heater controller as shown.



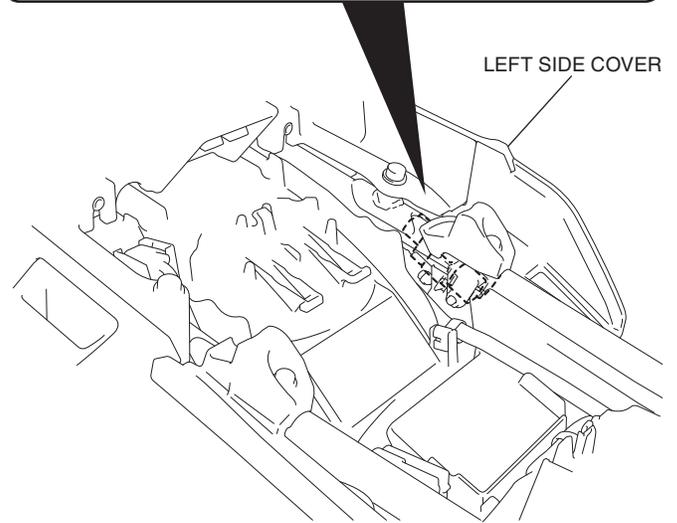
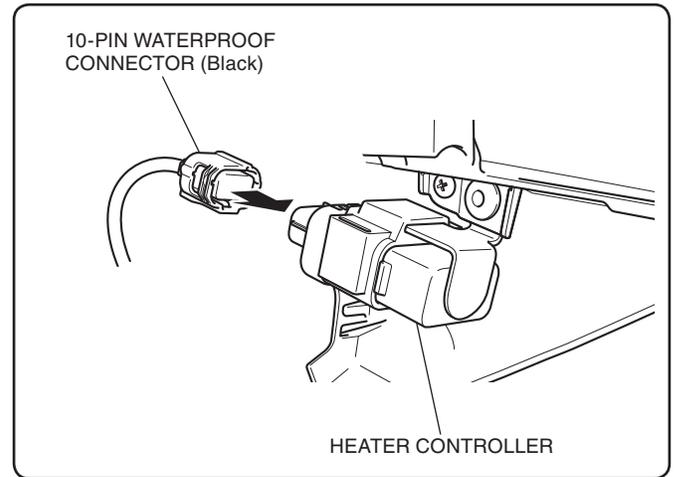
71. Remove the dummy connector as shown.

<Left side>



72. Connect the heater controller as shown, and install the left side cover in the reverse order of removal.

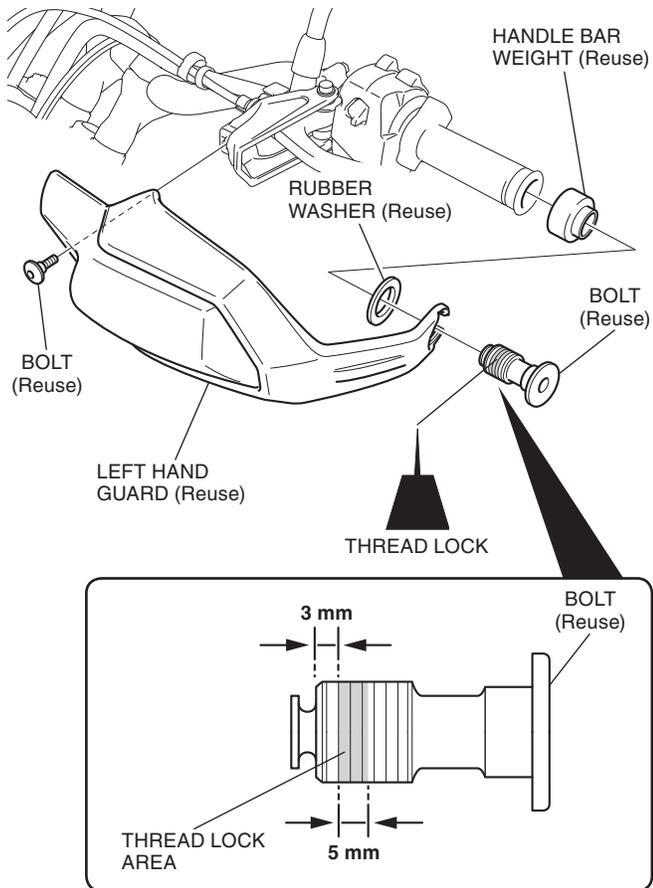
- **Confirm that no wire harness is caught or too tight.**



73. Reinstall the parts as shown.

- **Clean up threads with isopropyl alcohol before applying thread lock.**
- **Be sure to apply to the threads of the bolt.**
- **Repeat on the right side.**

<Left side> CRF1000L/D



74. Install the motorcycle's parts in the reverse order of removal.

- **Confirm that no wire harness is caught or too tight.**

75. Check the heated grip, throttle, headlight and the other lights for proper operation.

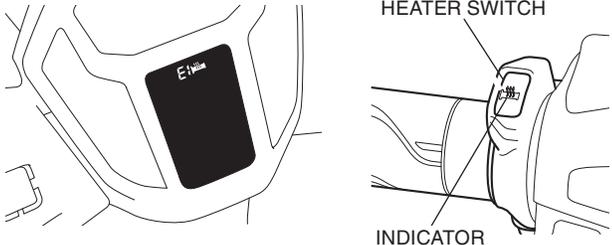
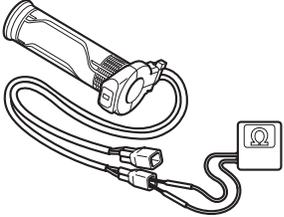
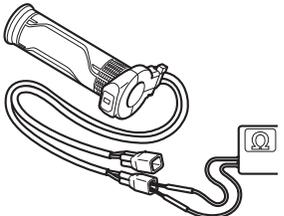
- **Perform the operation check at least one hour after attaching the left heated grip. Do not set the heater level at more than 3 during the operation check.**
- **Make sure to turn off the heater switch after the operation check.**

Please Convey The Following Information To The Customer Before Delivery.

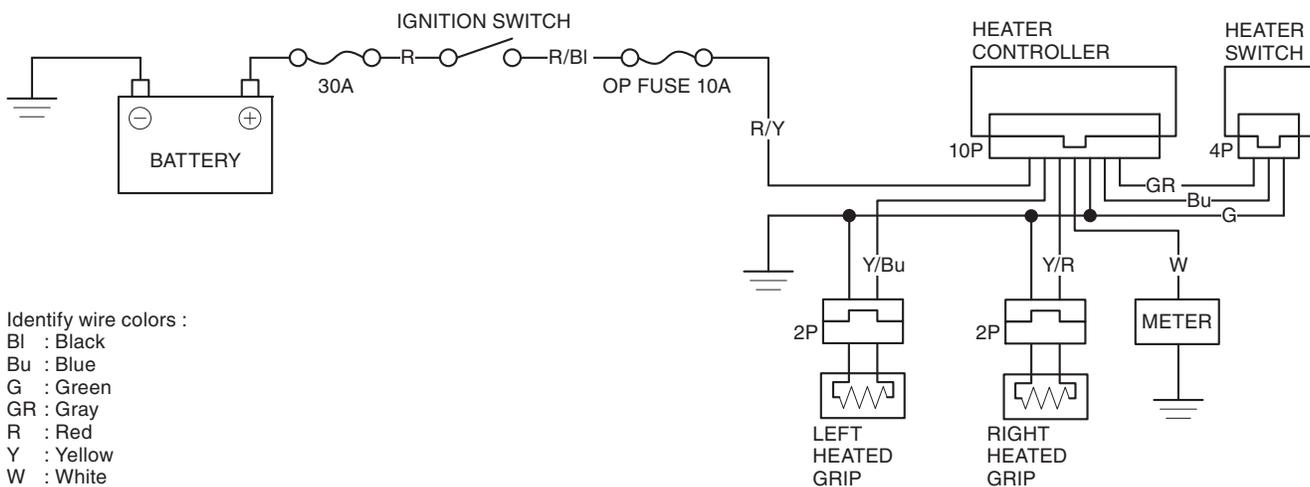
- **Do not set the heater level at more than level 2 for one week after installation to allow the handgrip cement to fully cure.**

DEALER TROUBLESHOOTING

- Stop the engine and turn the main switch OFF when you check the parts and circuits other than those of the heated grips.

| Symptom | Check |
|---|---|
| <p>“E1,” “E2” or “E3” status display and heated grip status icon blinks alternately, and also heater switch indicator blinks.</p>  <p>HEATER SWITCH</p> <p>INDICATOR</p> | <p>Check for loose or poor contact at the connectors. Refer to the SYSTEM DIAGRAM of this manual and check for a blown fuse.</p> |
|  <p>Blink.</p>  <p>Blinks once.</p> | <p>Check for E1 status (Low battery voltage) :</p> <ol style="list-style-type: none"> 1. Check the battery voltage. |
|  <p>Blink.</p>  <p>Blinks twice.</p> | <p>Check for E2 status (Short circuit) :</p> <ol style="list-style-type: none"> 1. Heated grip inspection. Check for resistance between the terminals. Standard : <Right> 8.2 ohms +/- 10% <Left> 8.2 ohms +/- 10%  <ol style="list-style-type: none"> 2. Refer to the SYSTEM DIAGRAM of this manual and check for a short circuit in the heated grip related wires. 3. If no abnormality is found after the above checks 1 and 2, but the heated grip still does not operate properly, replace the heated grip (heater controller) with a new one then recheck. |
|  <p>Blink.</p>  <p>Blinks 3 times.</p> | <p>Check for E3 status (Faulty heated grip switch) :</p> <ol style="list-style-type: none"> 1. Replace the heated grip (heater switch) with a new one. It is hard to check the switch with ordinary inspection methods (for continuity, voltage, etc.,) because it contains an integrated circuit. <p>Check for E3 status (Open circuit) :</p> <ol style="list-style-type: none"> 1. Heated grip inspection. Check for resistance between the terminals. Standard : <Right> 8.2 ohms +/- 10% <Left> 8.2 ohms +/- 10%  <ol style="list-style-type: none"> 2. Refer to the SYSTEM DIAGRAM of this manual and check for an open circuit in the heated grip related wires. 3. If no abnormality is found after the above checks 1 and 2, but the heated grip still does not operate properly, replace the heated grip (heater controller) with a new one then recheck. |

SYSTEM DIAGRAM



Identify wire colors :
 Bl : Black
 Bu : Blue
 G : Green
 GR : Gray
 R : Red
 Y : Yellow
 W : White