

HONDA

INSTALLATION INSTRUCTIONS

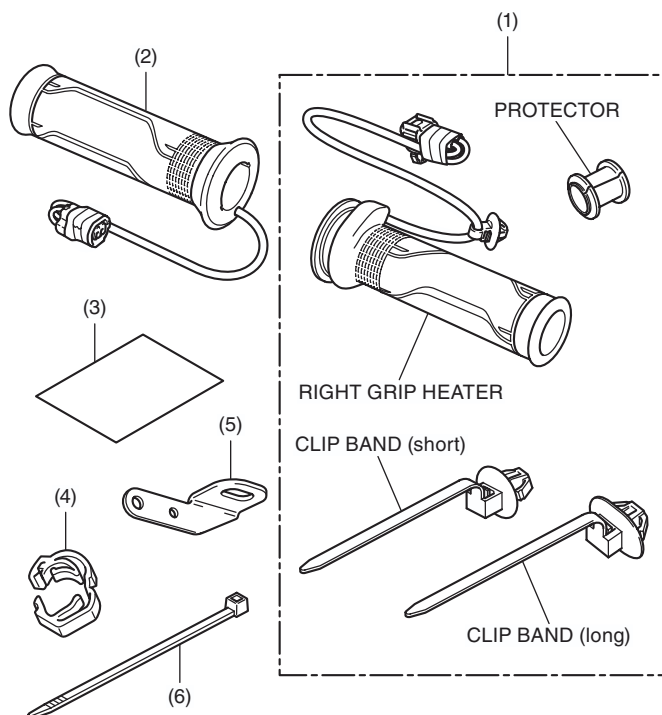
Accessory
GRIP HEATER & ATTACHMENT
P/N 08T72-MKS-E01

Application
CRF1100A/D

Publication No.
MII
Issue Date
June 2021

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

PARTS LIST



No.	Description	Qty
(1)	Right grip heater unit	1
(2)	Left grip heater	1
(3)	URL paper	1
(4)	Harness clamp	1
(5)	Stay	1
(6)	Wire tie	2

TOOLS AND SUPPLIES REQUIRED

Flat-tip screwdriver
Nippers
Marker
Scale
Electrical tape
Honda Bond A
Thread lock
Grease
Isopropyl alcohol
Shop towel
Torque wrench

INSTALLATION

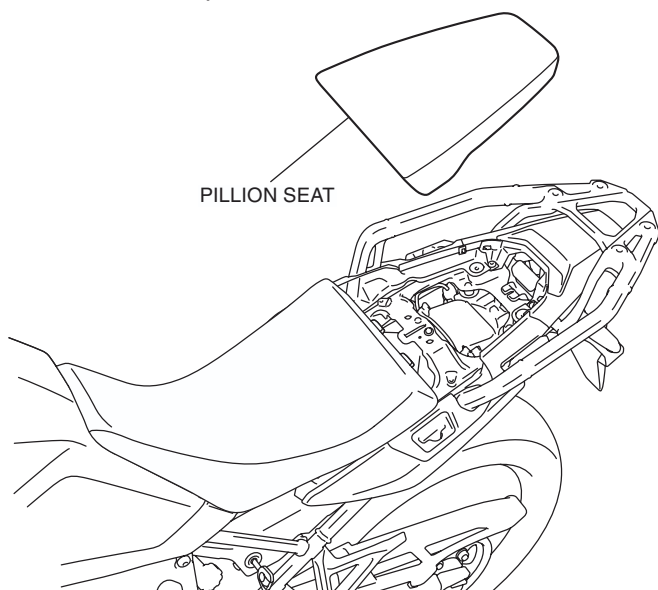
▲ CAUTION

- To prevent burns, allow the engine, exhaust system, radiator, etc., to cool before installing the accessory.
- Be sure to observe all safety messages and precautions described in the Service Manual while removing and installing the fuel tank.

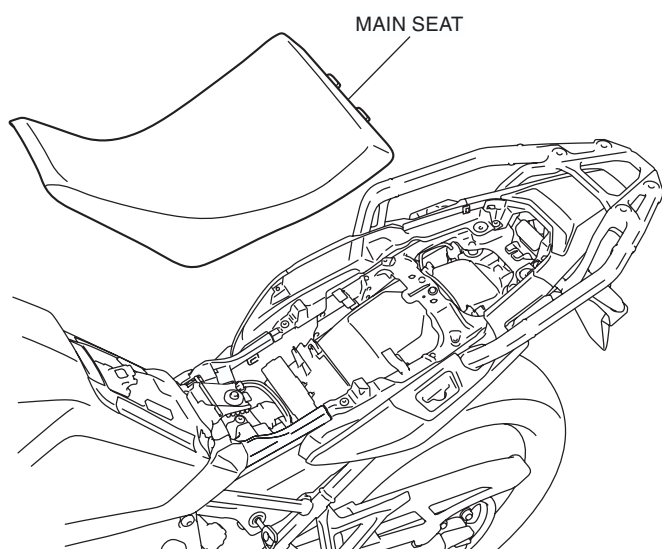
NOTE:

- Remove the right grip as instructed in the motorcycle's Service Manual.
- For secure adhesion of the grip heaters use the recommended adhesive agent (Honda Bond A) or equivalent.
- Be sure to open and close the throttle to check for smooth operation after installation of the right grip heater.
- Disconnect the negative (-) cable from the battery before installing this accessory.
- The memories of the clock will be erased when you disconnect the battery. Reset the memories after reconnecting the battery.
- Reinstall the removed parts on the motorcycle and make sure that the wires and harnesses are not pinched.
- Cut the wire tie and clip band at 5 mm from the lock part after attaching them to the wire harnesses. Do not allow the cut part of the wire tie and clip band to interfere with another harness or brake hose.
- After handle grip heater installation, check the lights (e.g. right / left turn signal lights and brake lights) for proper operation.
- Although the illustration is of CRF1100A, use the same procedures for other models.
- Setting is necessary after installing this accessory.

1. Remove the pillion seat as shown.

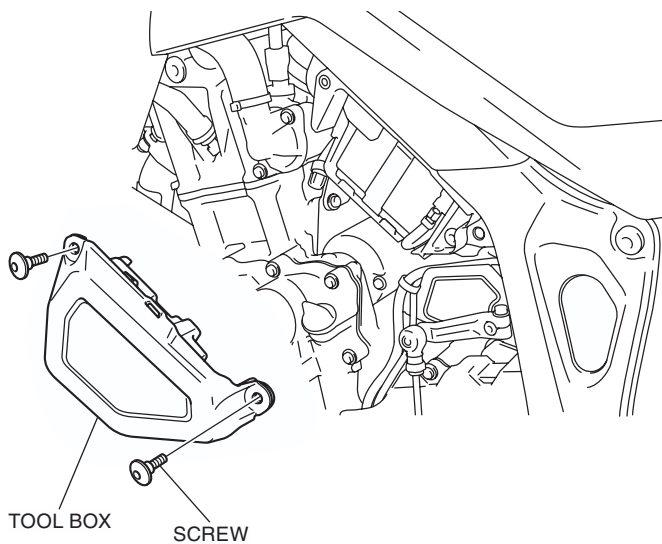


2. Remove the main seat as shown.



3. Remove the tool box and disconnect the negative (-) cable of the battery.

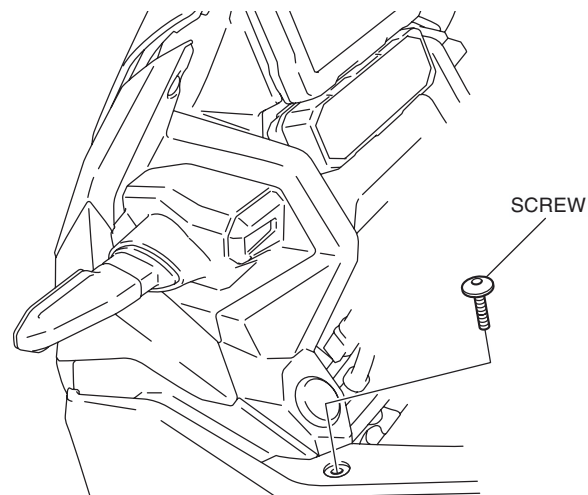
<Left side>



4. Remove the screw as shown.

- Repeat on the right side.

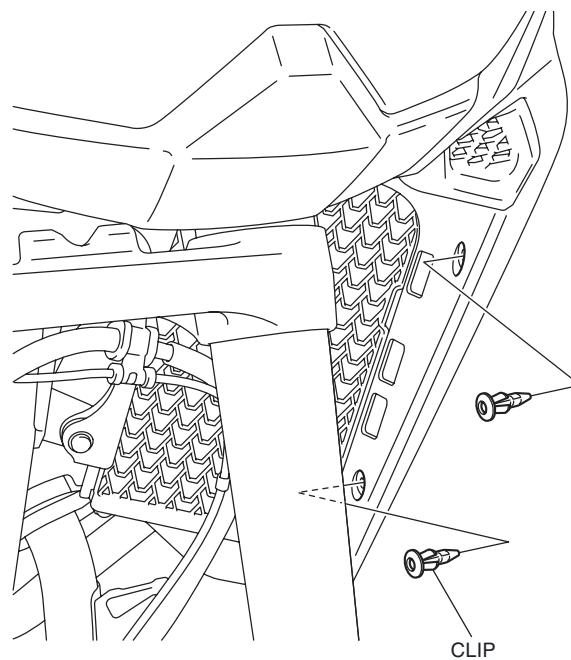
<Left side>



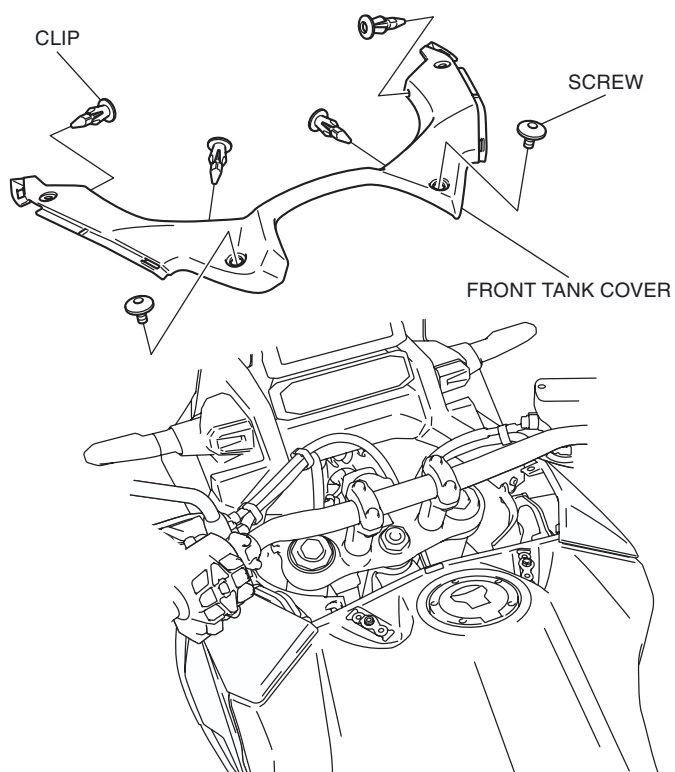
5. Remove the clips as shown.

- Repeat on the right side.

<Left side>

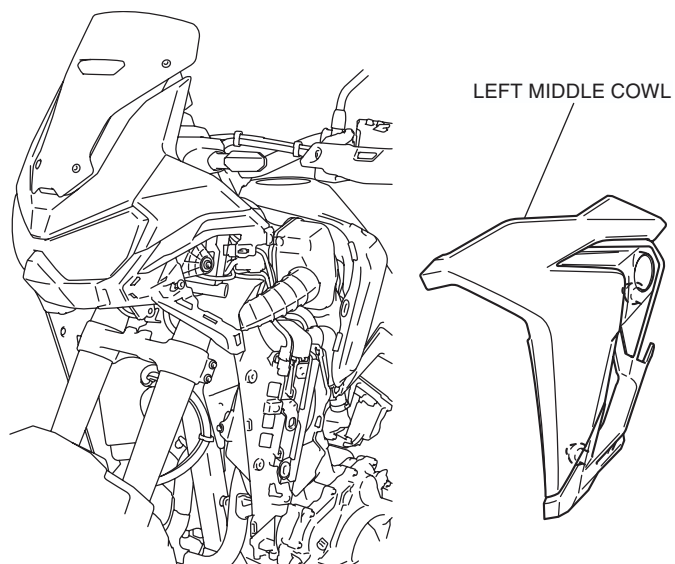


6. Remove the front tank cover as shown.



7. Remove the left middle cowl as shown.

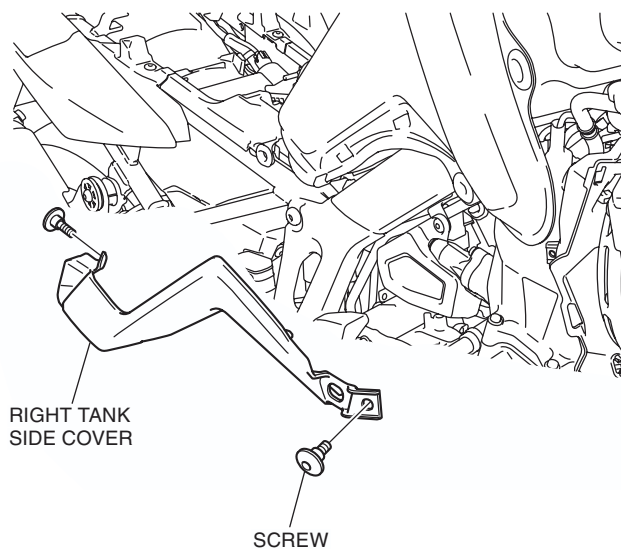
<Left side>



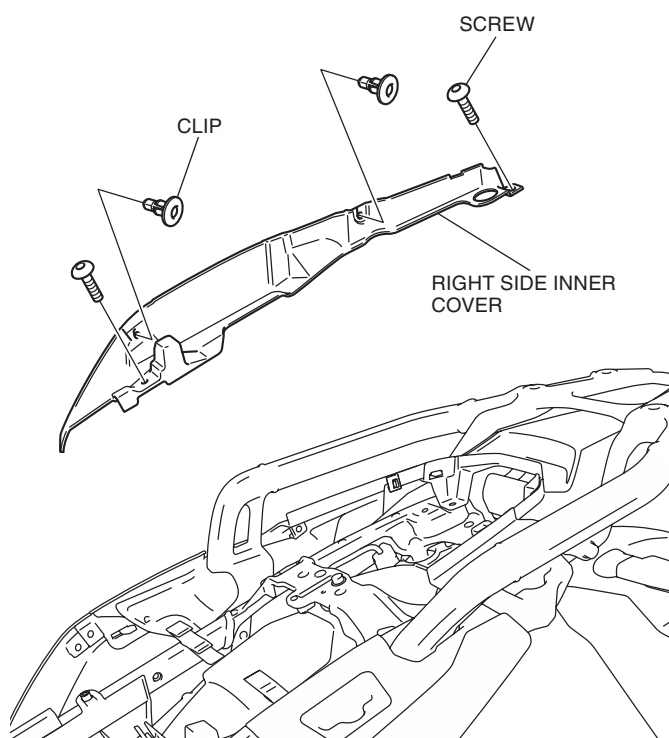
8. Remove the right middle cowl in the same manner as the left side.

9. Remove the right tank side cover as shown.

<Right side>

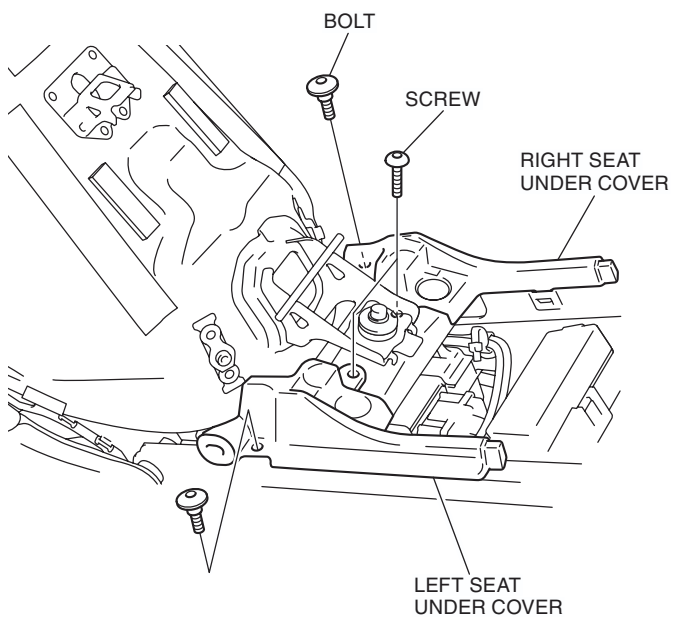


10. Remove the right side inner cover as shown.

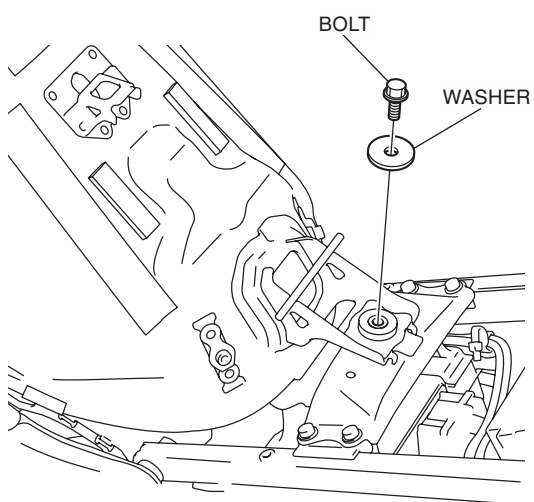


11. Remove the left tank side cover and left side inner cover in the same manner as the right side.

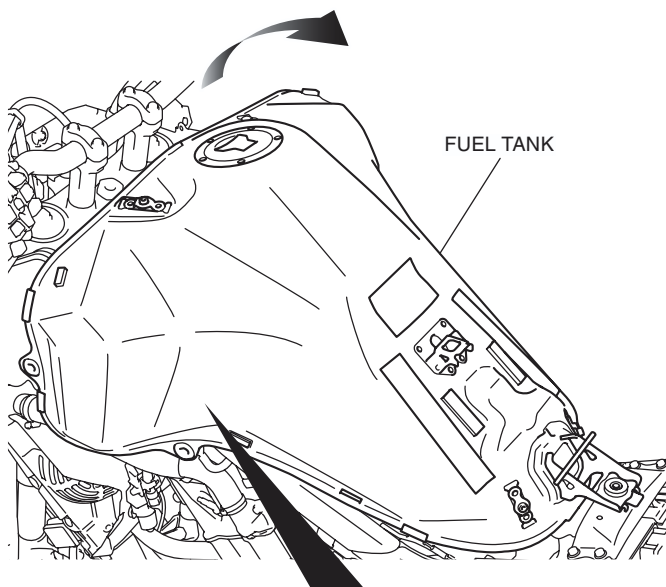
12. Remove the right and left seat under covers as shown.



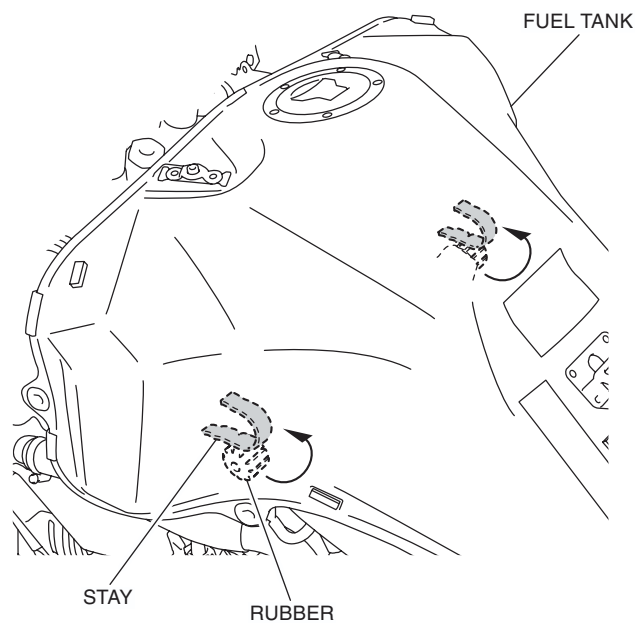
13. Remove the parts as shown.



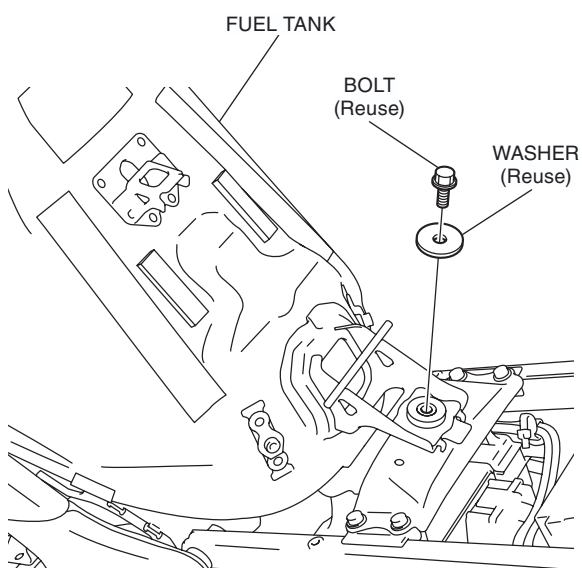
14. Raise the fuel tank as shown.



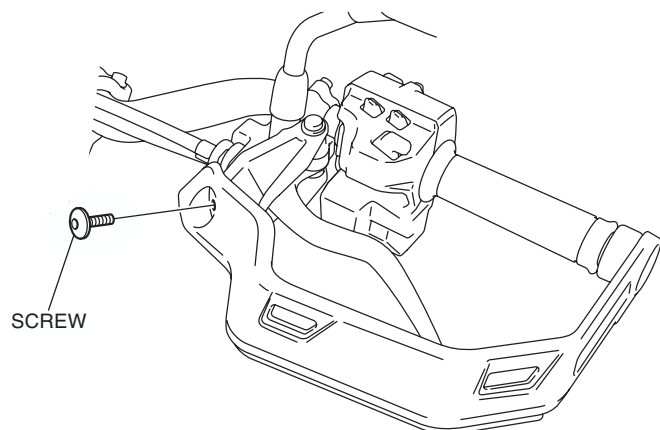
Remove the stay from the rubber, then put the stay on the rubber.



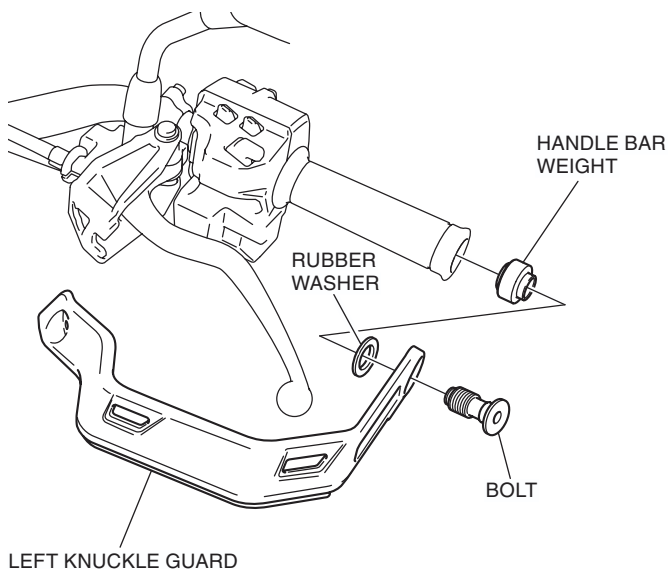
15. Loosely install the fuel tank as shown.
- **Make sure to use the bolt to loosely install.**



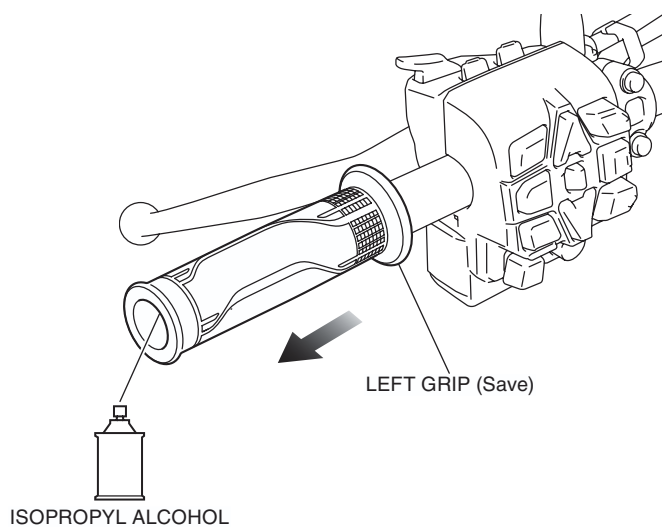
16. Remove the screw as shown.
- <Left side>



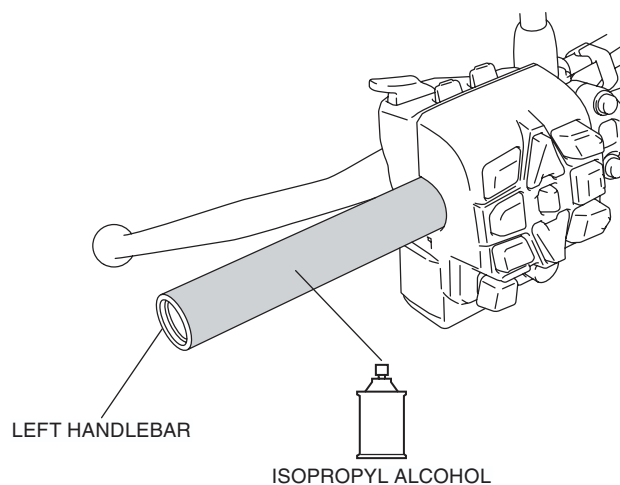
17. Remove the parts as shown.
- **Repeat on the right side.**



18. Remove the left grip as shown.
- <Left side>

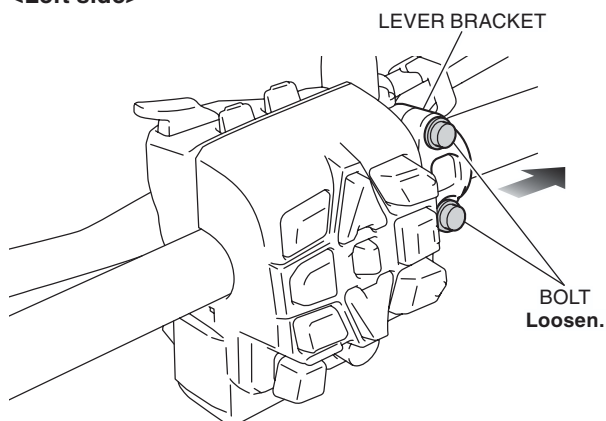


19. Using an isopropyl alcohol, remove all traces of adhesive from the left handlebar.



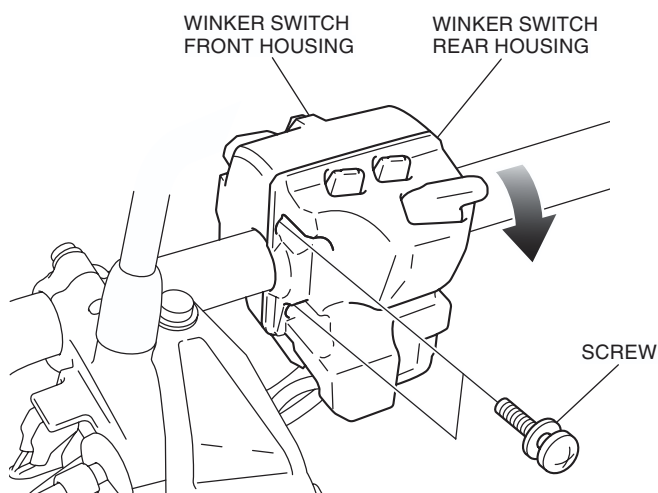
20. Loosen the bolts and move the lever bracket as shown.

<Left side>



21. Remove the winker switch rear housing as shown.

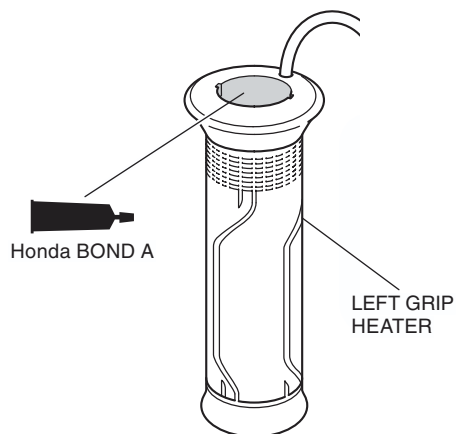
<Left side>



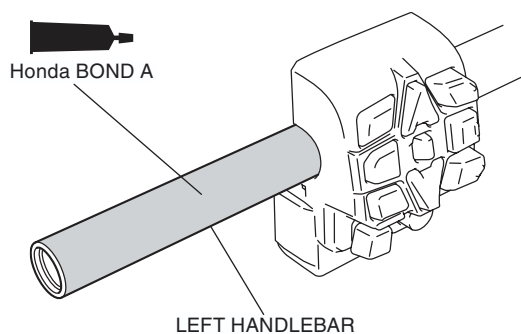
22. Liberally apply the Honda Bond A to the inside of the left grip heater from the kit as shown.

NOTE

Read the Instructions of the steps 22 through 25 carefully before operation and complete the installation quickly before the adhesive agent cures. Use an assistant to steady the motorcycle while installing the grips.

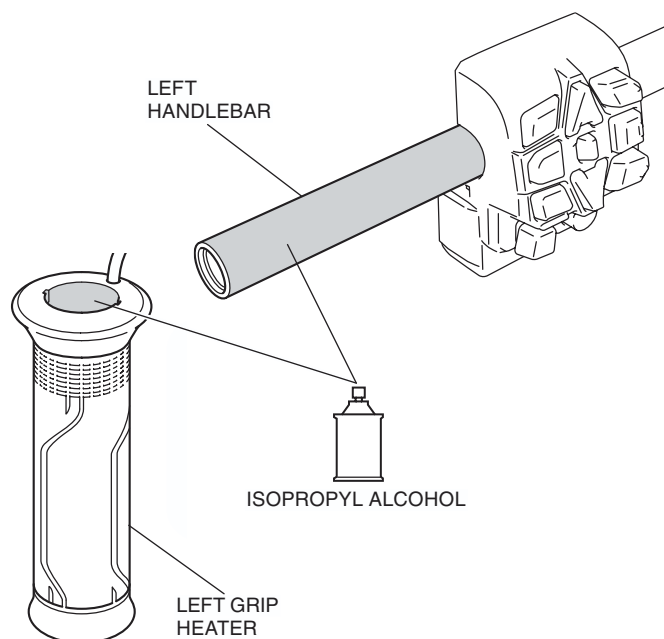


23. Apply the Honda bond A to the left handlebar as shown.



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

- **This is done to ease alignment between the grip heater and the handlebar.**

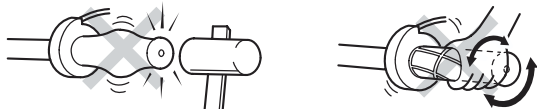


25. Slide the left grip heater onto the left handlebar and route the left grip heater harness as shown.

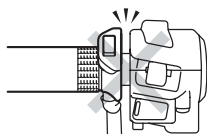
- **Use an assistant to steady the motorcycle while installing the grips.**
- **Wipe up excess adhesive at once.**

NOTICE

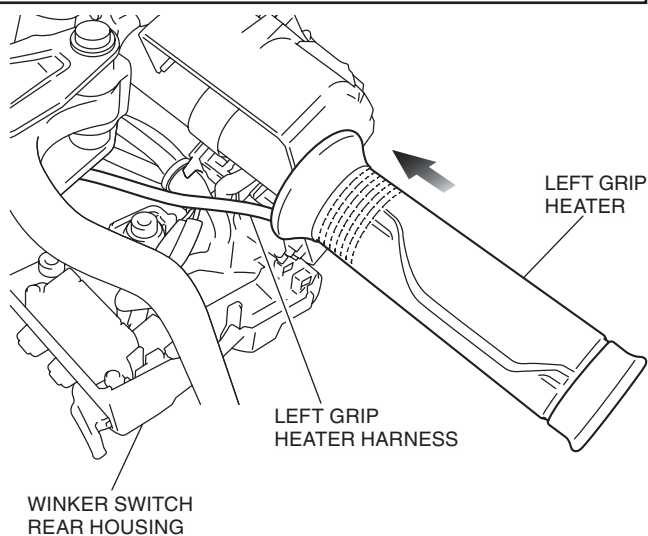
- Do not tap on the grip end with a hammer and do not twist the grip to install the grip heater onto the handlebar, as it can damage the element.



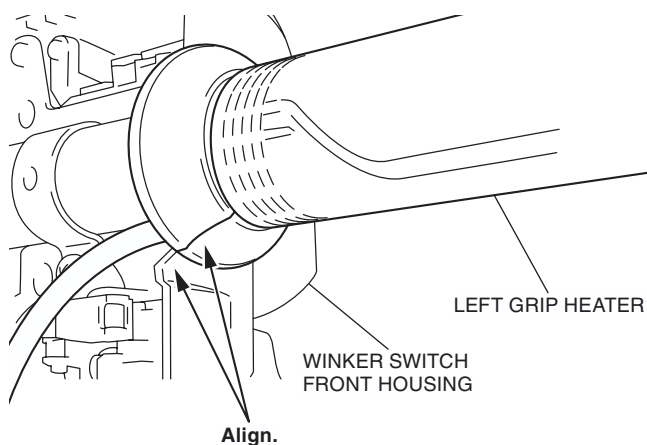
- Install so that there is no gap with the housing.



- If the grip gets stuck halfway during installation, apply isopropyl alcohol to the gap between the grip heater. Do not try to remove the grip heater using force or a screwdriver, etc. Damage to the grip heater wire can result.

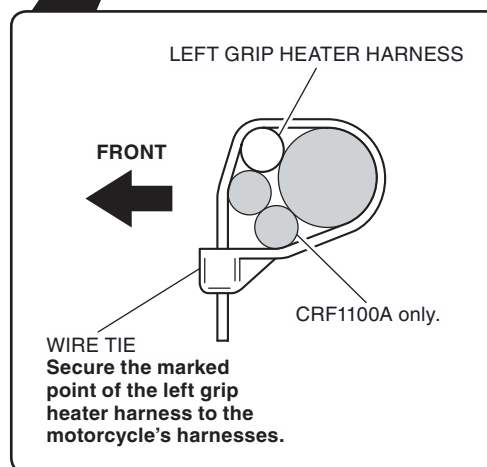
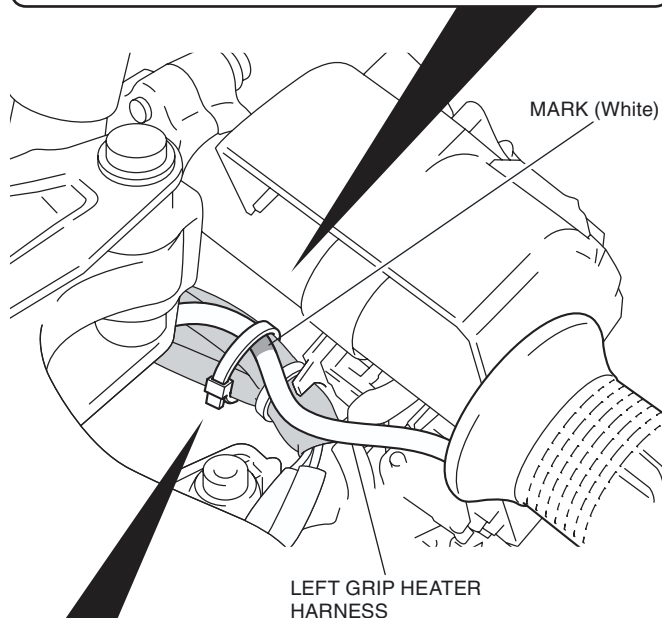
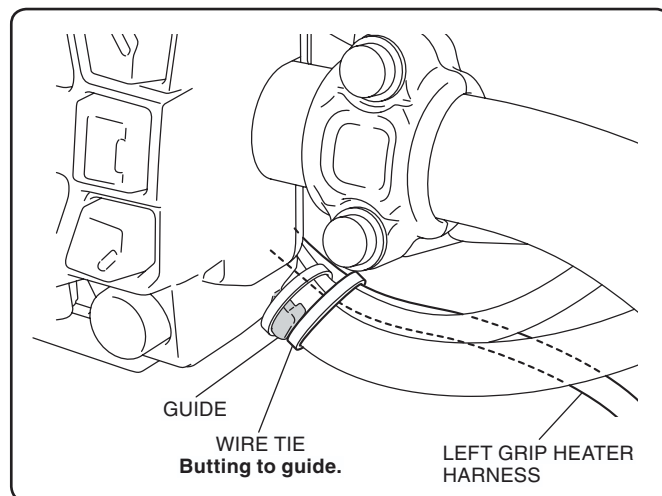


26. Insert until there is contact with the winker switch front housing, then align the indicated position.



27. Secure the left grip heater harness with the wire tie as shown.

<Left side>

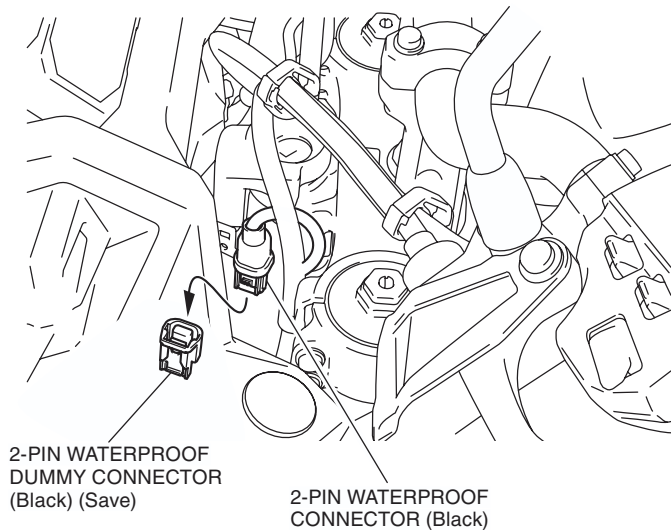


28. Install the winker switch rear housing and lever bracket in the reverse order of removal.

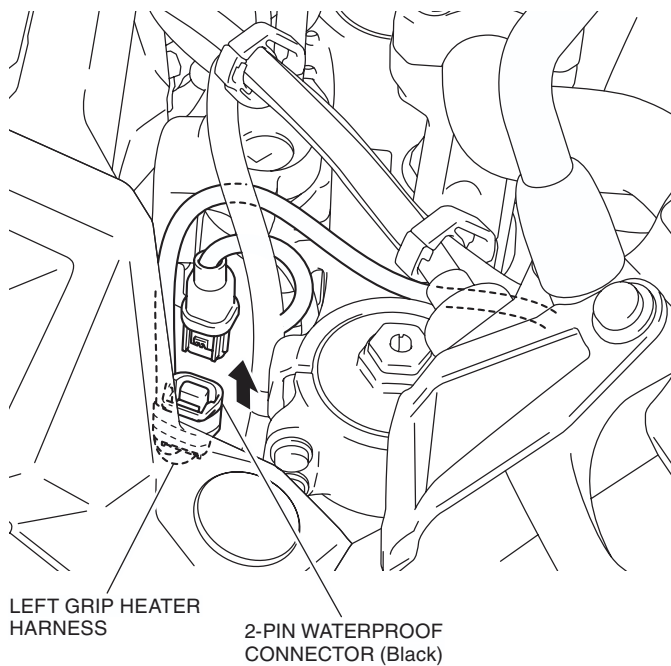
- **Confirm that any wire harness is not caught or too tight.**

29. Remove the dummy connector as shown.

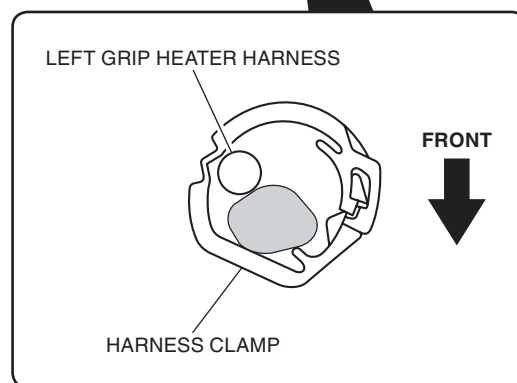
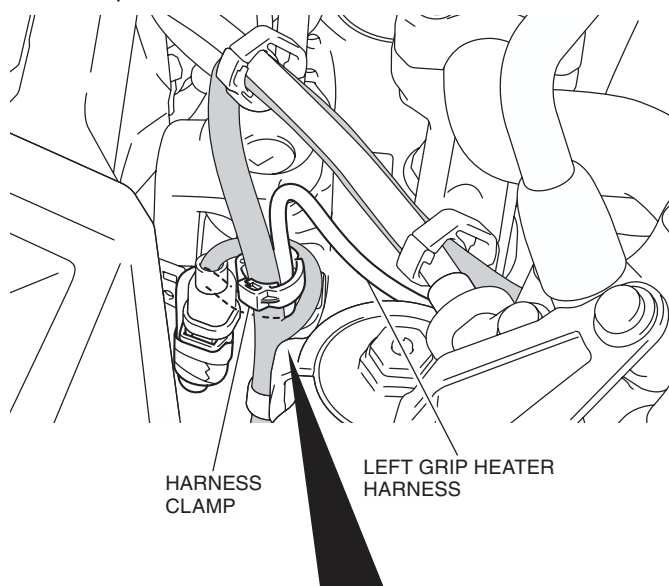
<Left side>



30. Route and connect the left grip heater harness as shown.

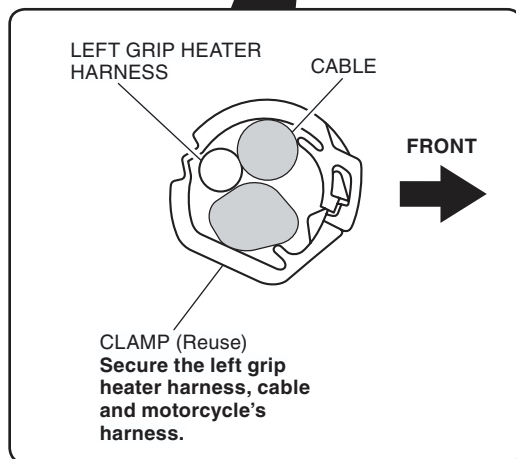
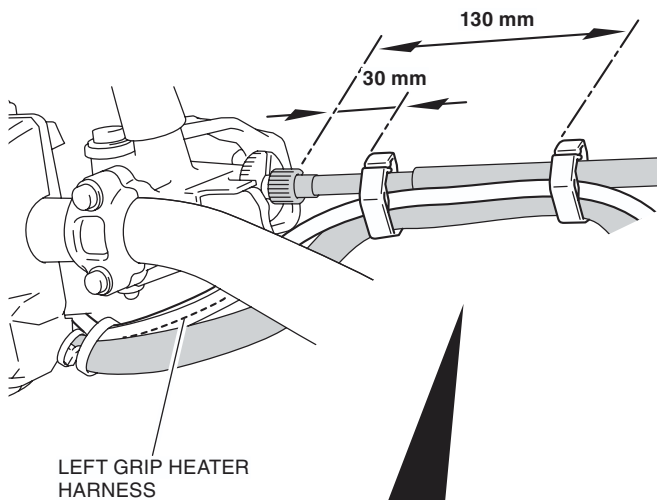


31. Secure the left grip heater harness with the harness clamp as shown.



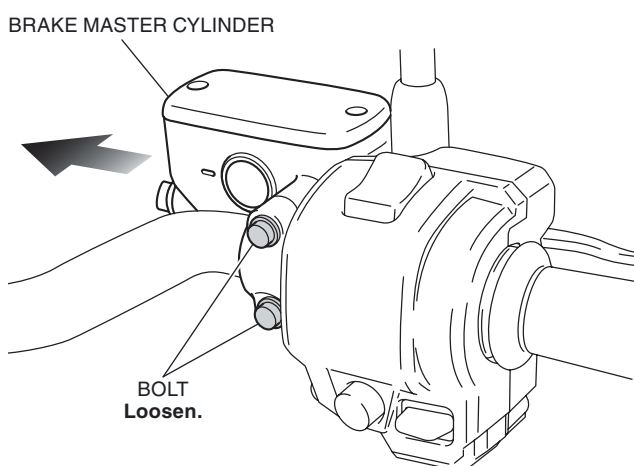
32. Secure the left grip heater harness with the clamps as shown.

<Left side>



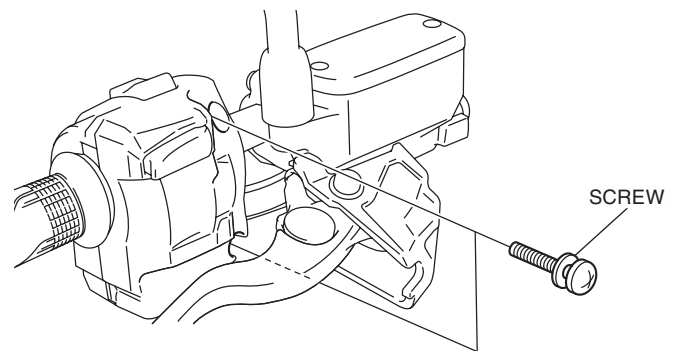
33. Loosen the bolts and move the brake master cylinder as shown.

<Right side>

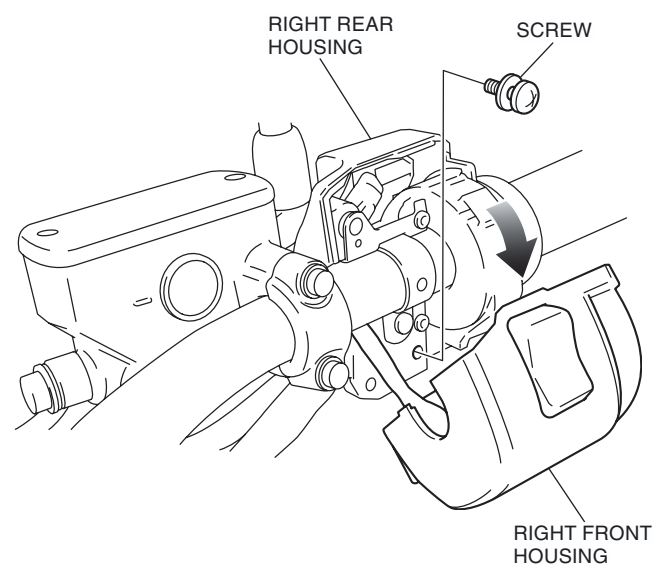


34. Remove the front case as shown.

<Right side>



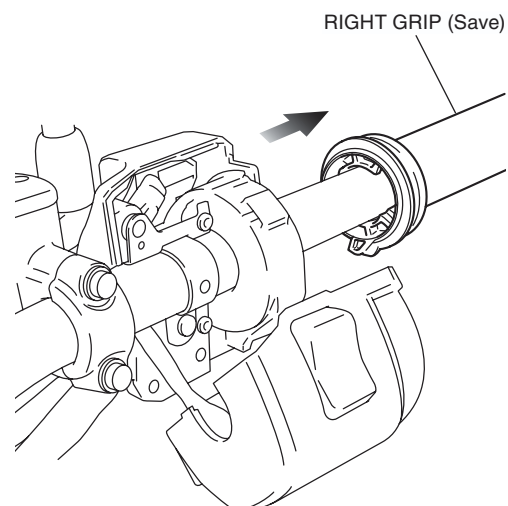
35. Remove the right front housing as shown and remove the screw.



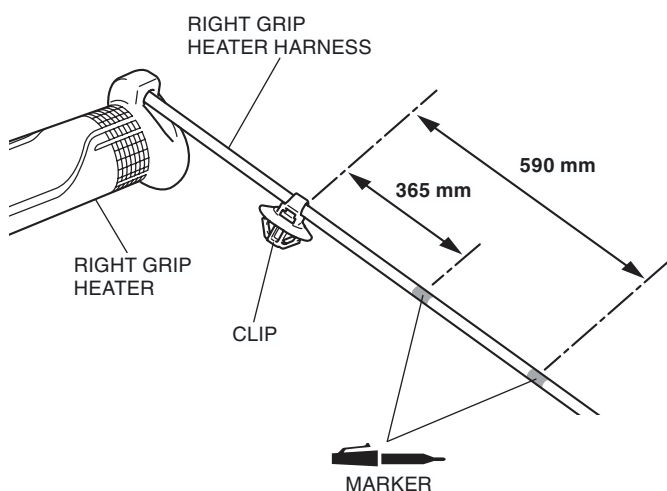
36. Remove the right grip as shown.

NOTE

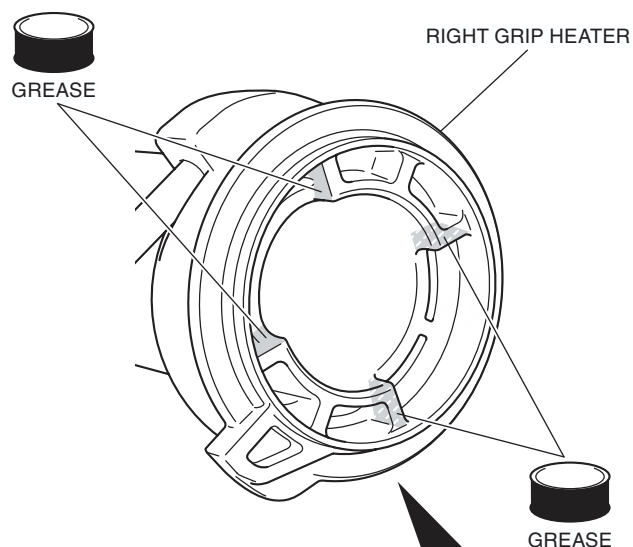
Remove the right grip as instructed in the motorcycle's Service Manual.



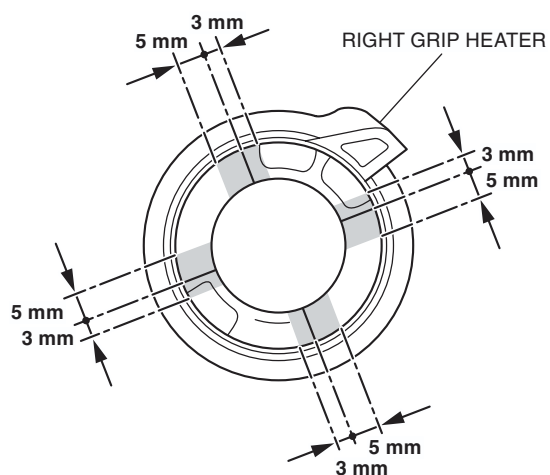
37. Mark the right grip heater harness in the position shown.



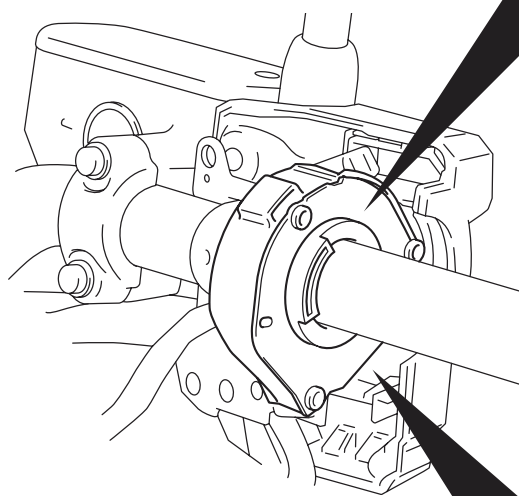
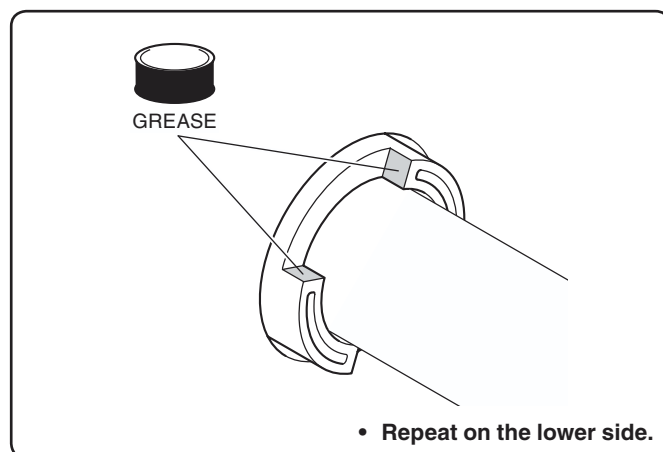
38. Apply grease to the hatched part as shown.



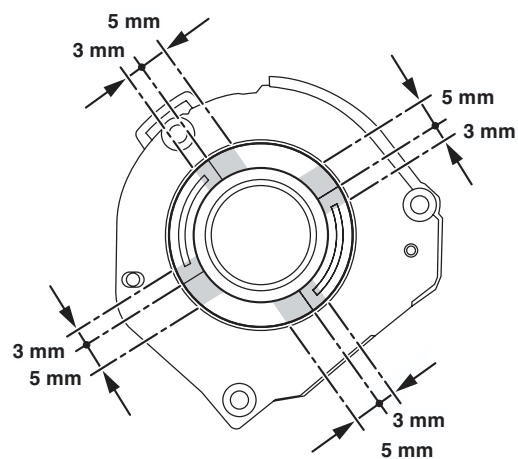
Be careful not to adhere grease to the outside of dimensions shown.



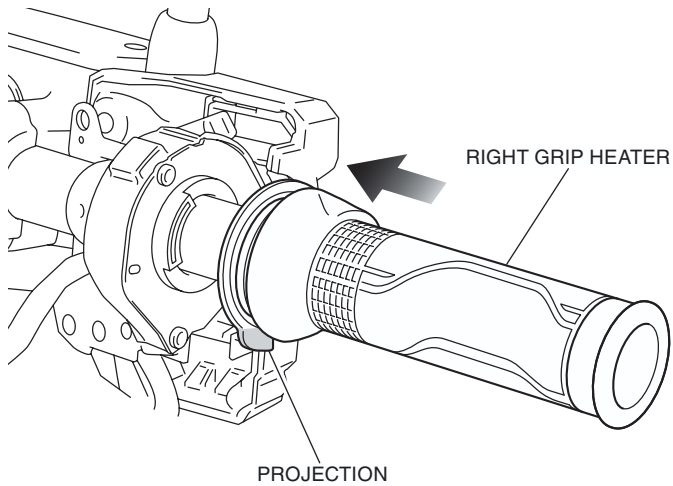
39. Apply grease to the hatched part as shown.



Be careful not to adhere grease to the outside of dimensions shown.



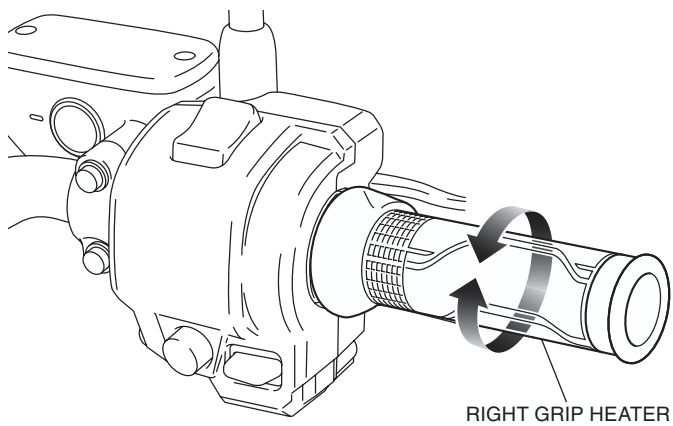
40. Install the right grip heater as shown.



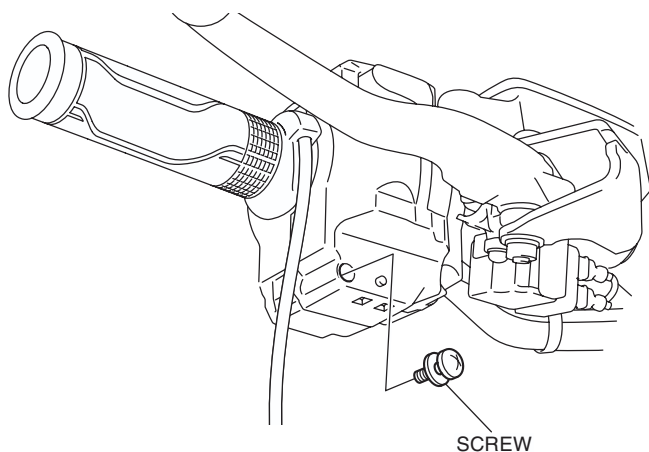
41. Install the front and rear right housing and brake master cylinder in the reverse order of removal.

42. Twist the throttle grip as shown.

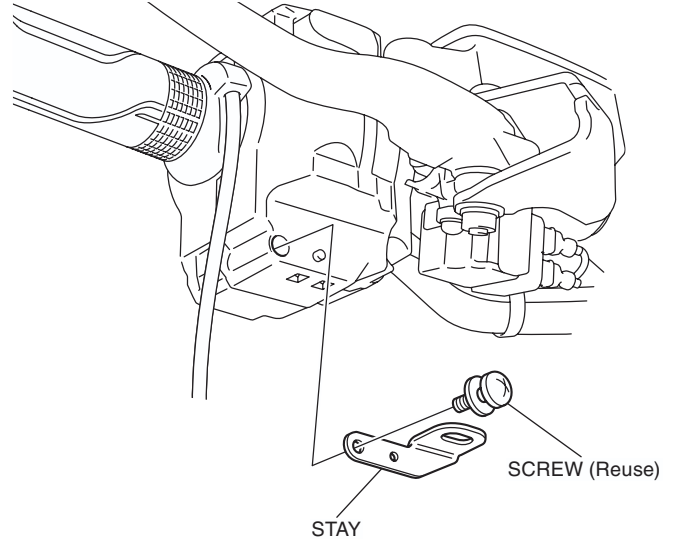
- Check for smooth opening of the throttle and that it automatically snaps closed from any opening, in all steering positions.



43. Remove the screw as shown.

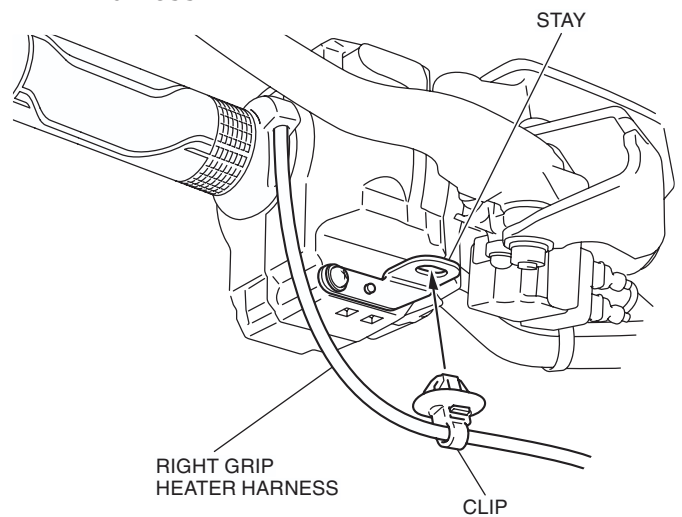


44. Install the stay as shown.

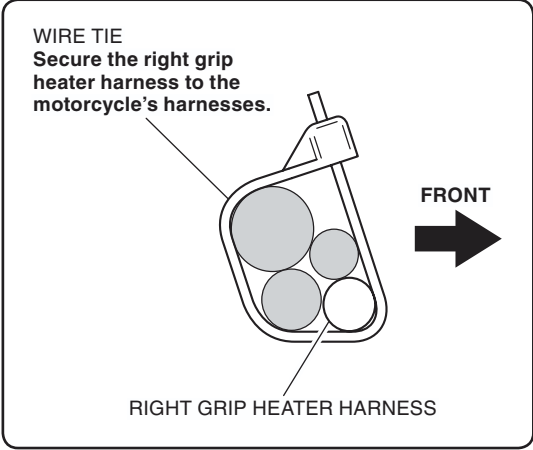
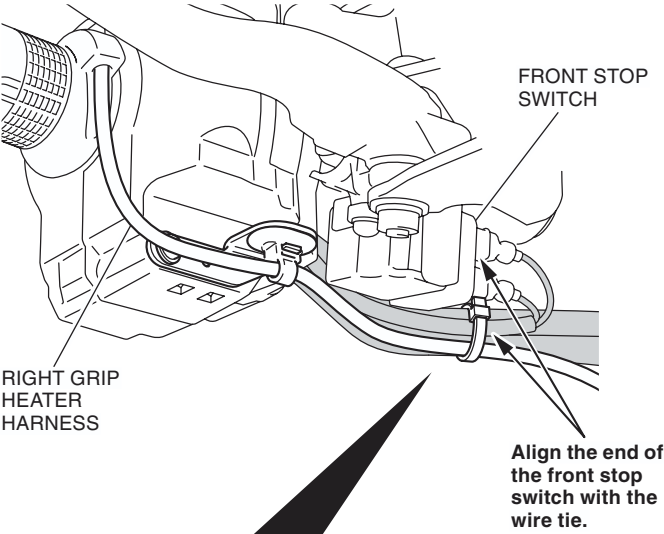


45. Secure the right grip heater harness as shown.

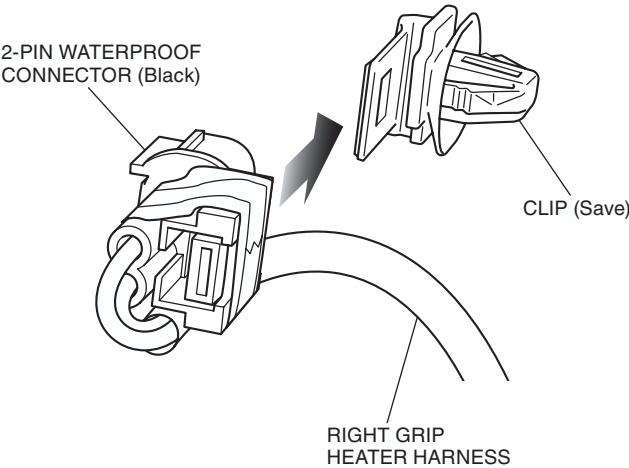
- Open and close the throttle and confirm that there is no tightness of the grip heater harness.



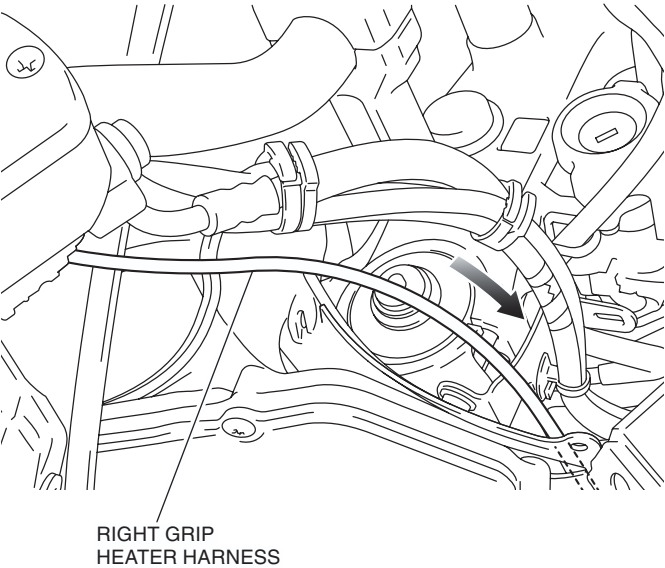
46. Secure the right grip heater harness with the wire tie as shown.



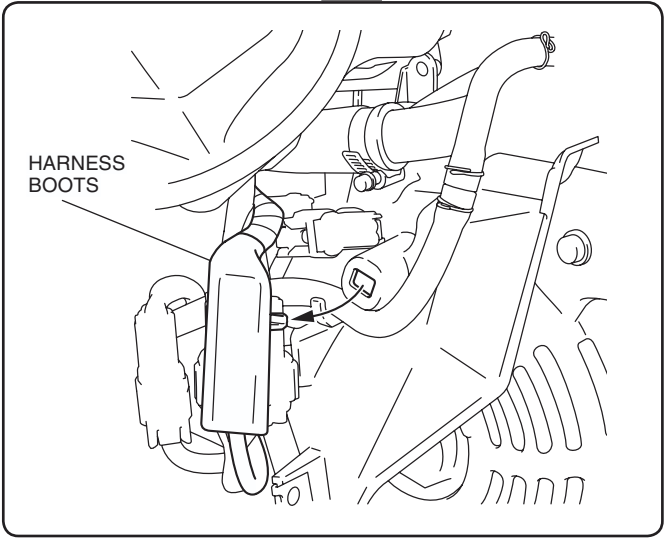
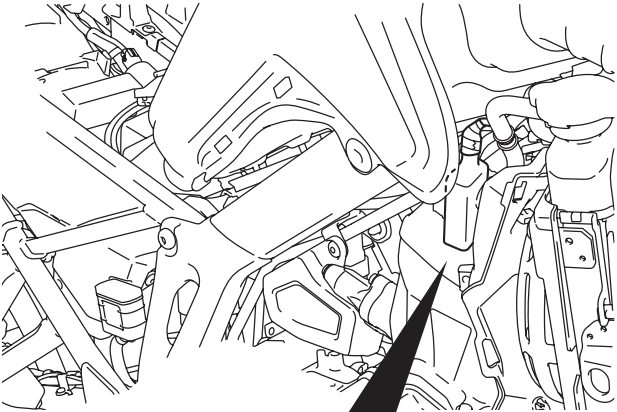
47. Remove the clip as shown.



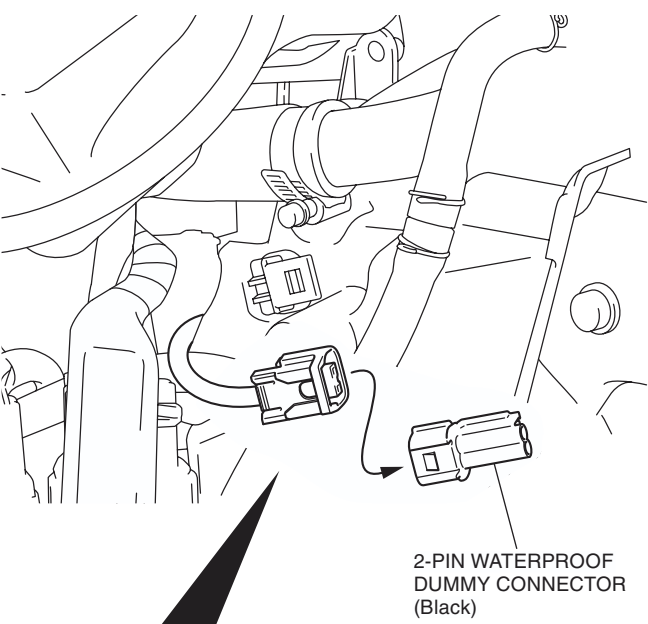
48. Route the right grip heater harness as shown.
<Right side>



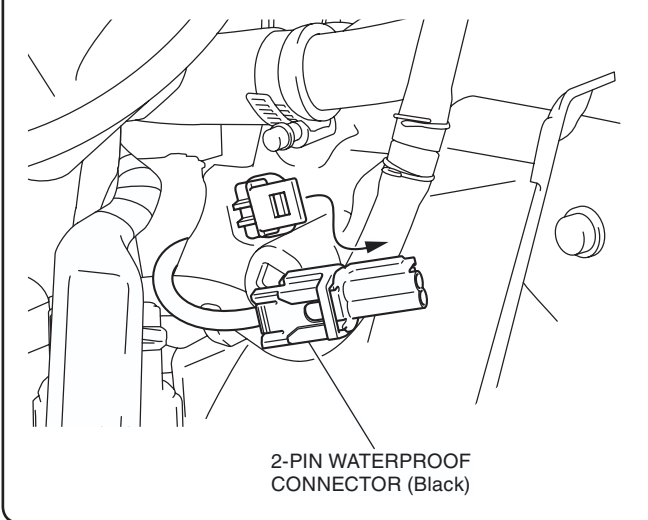
49. Remove the harness boots as shown.
<Right side>



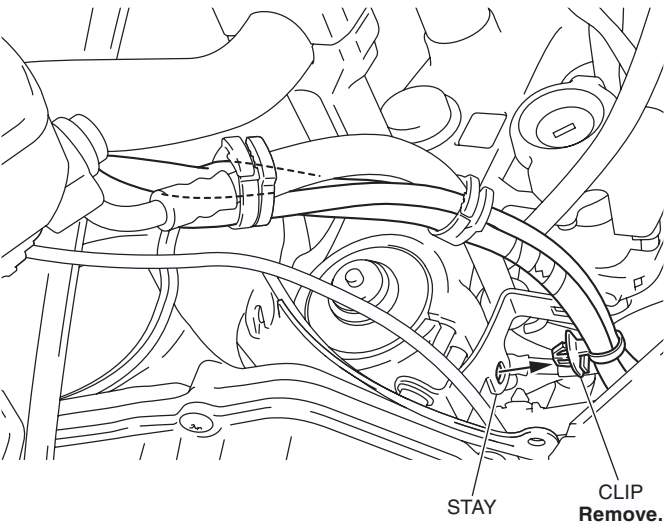
50. Remove the dummy connector as shown.
<Right side>



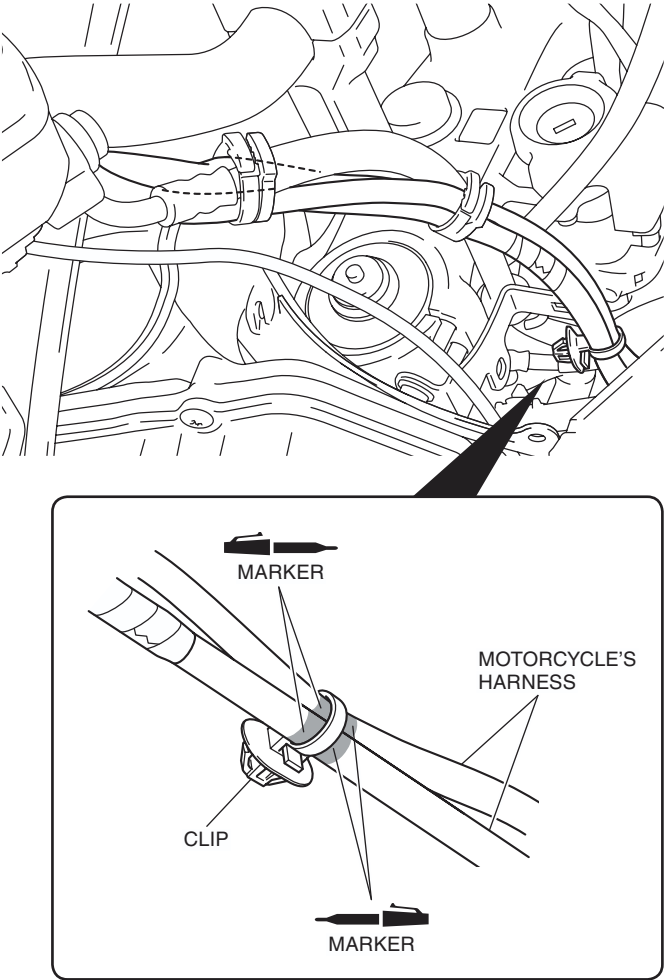
Remove the connector from the clip as shown.



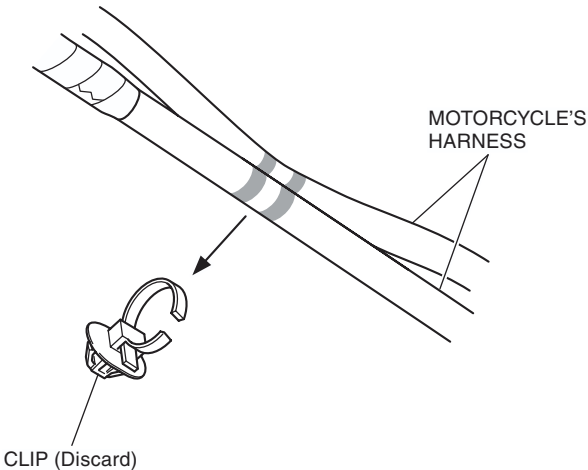
51. Remove the clip as shown.
<Right side>



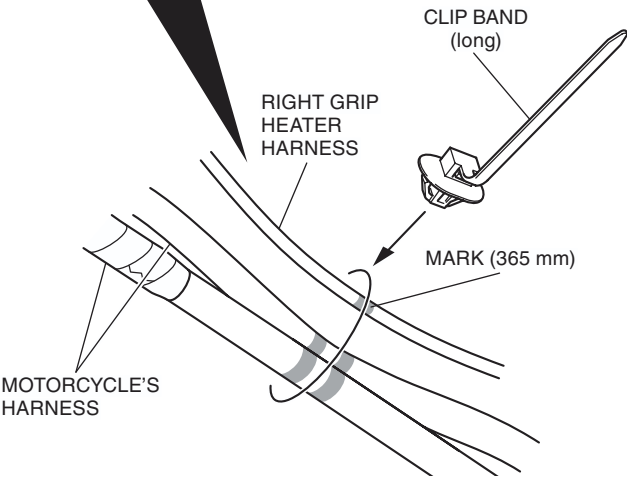
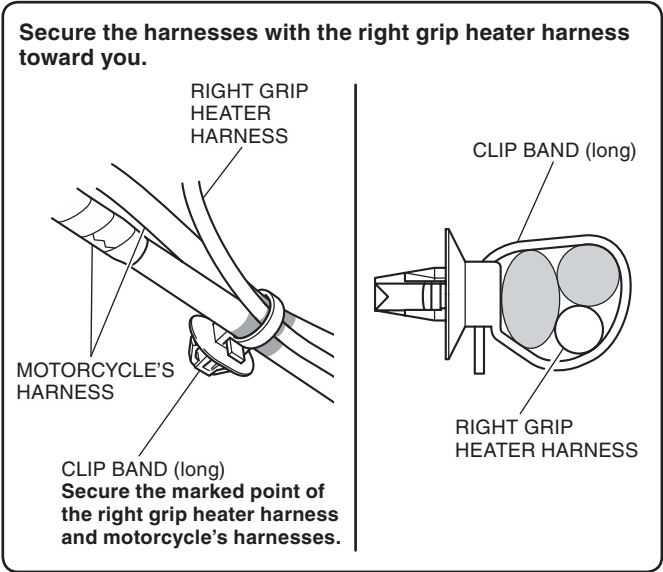
52. Mark the harnesses in the position shown.



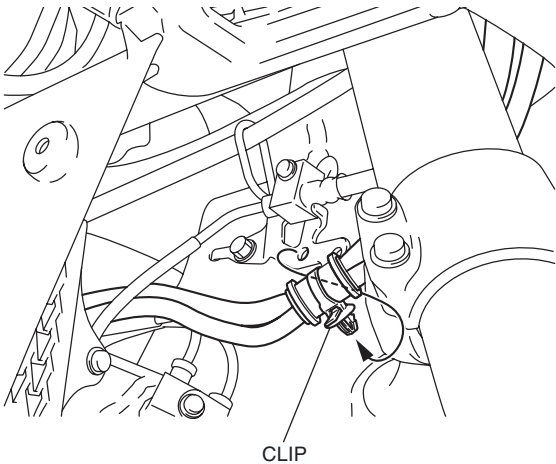
53. Remove the clip as shown.



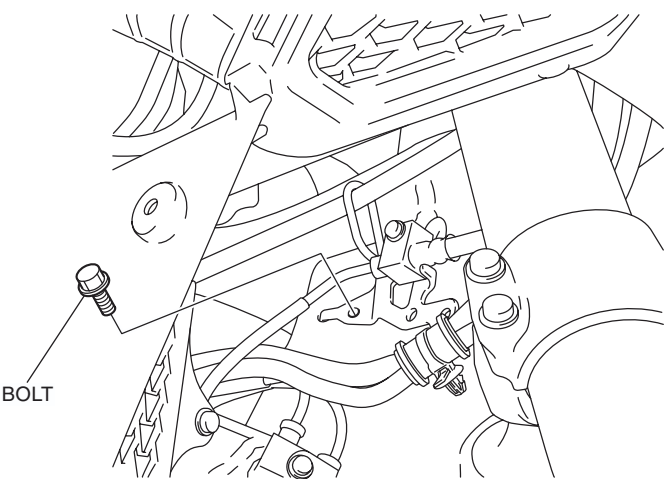
54. Install the clip band as shown.



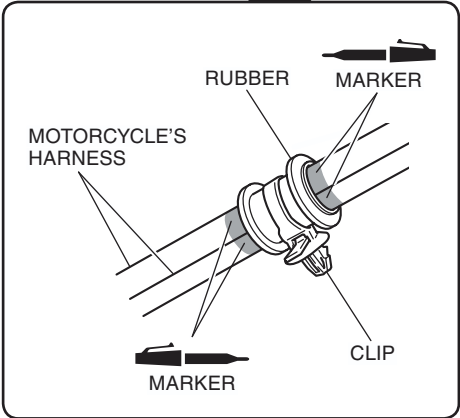
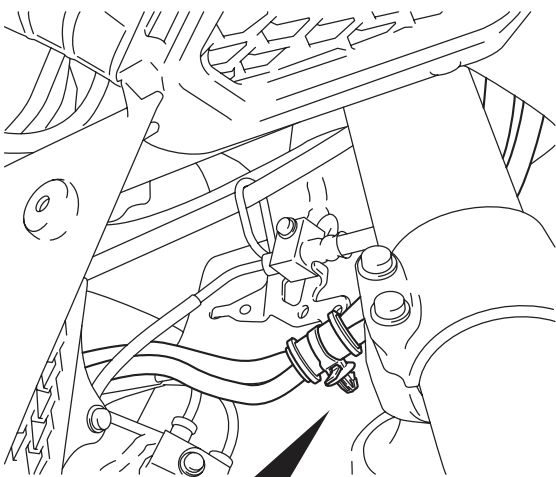
55. Remove the clip as shown.
<Right side>



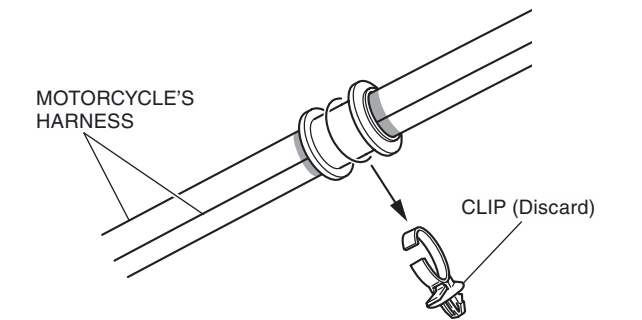
56. Remove the bolt as shown.



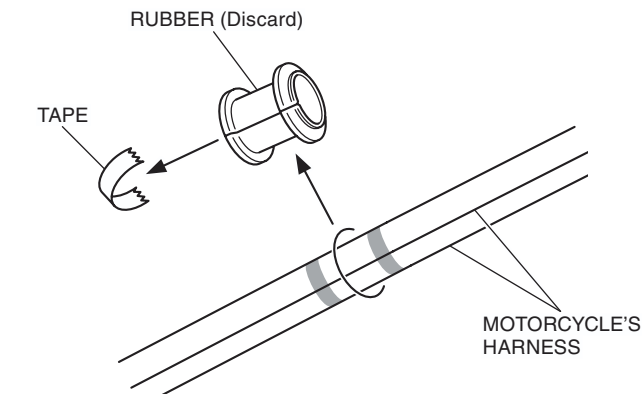
57. Mark the harnesses in the position shown.



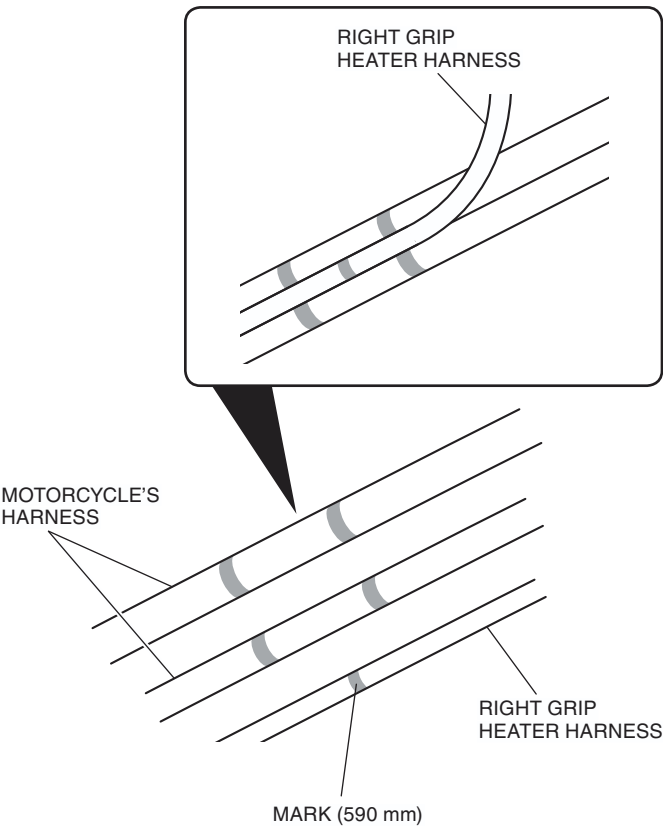
58. Remove the clip as shown.



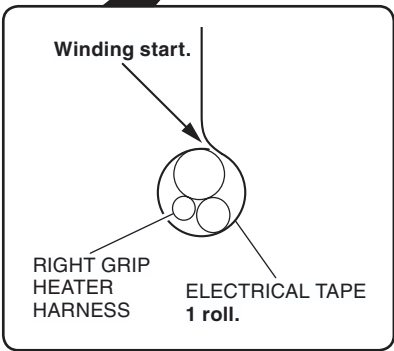
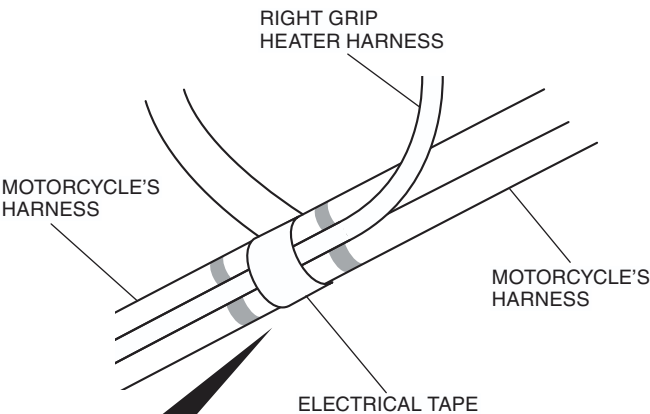
59. Remove the rubber as shown.



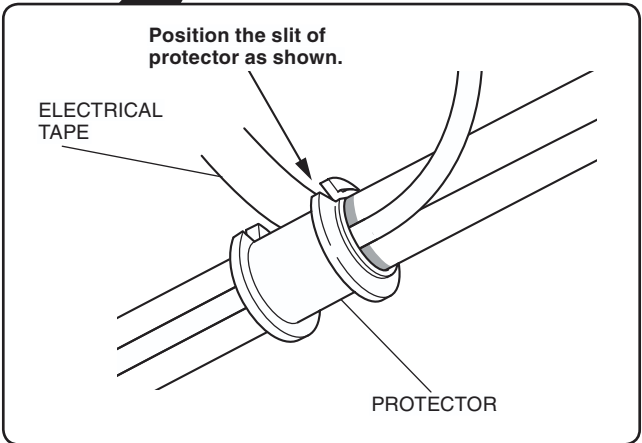
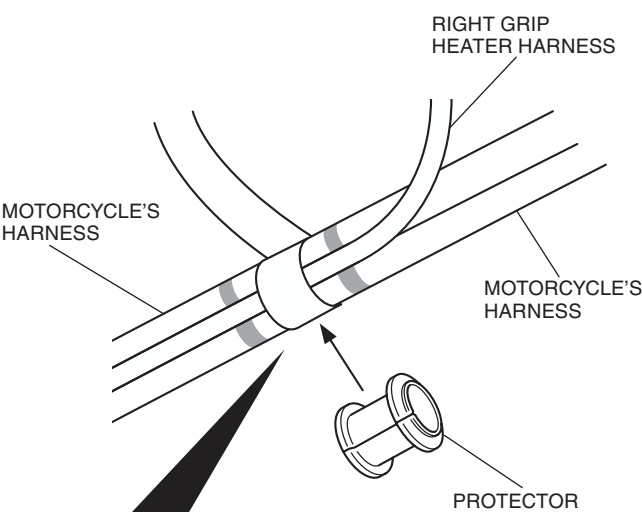
60. Match the each harness as shown.



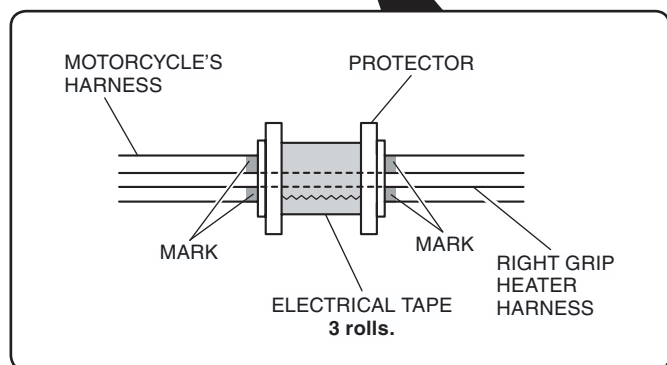
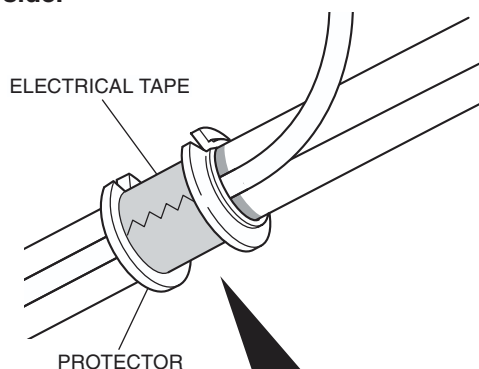
61. Wind the electrical tape as shown.



62. Install the protector as shown.

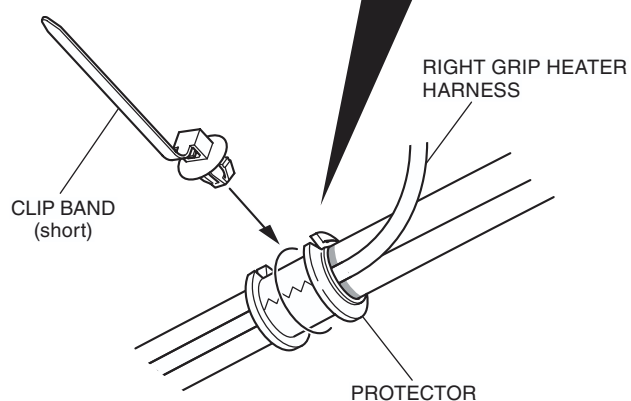
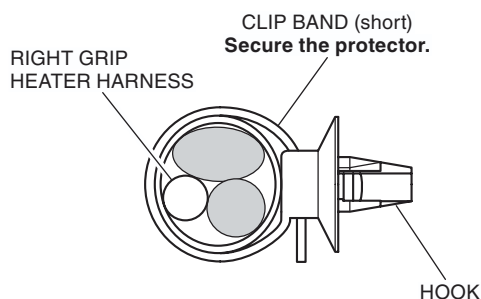


63. Secure the protector with electrical tape as shown.
- **Confirm that the secured protector is not off to side.**

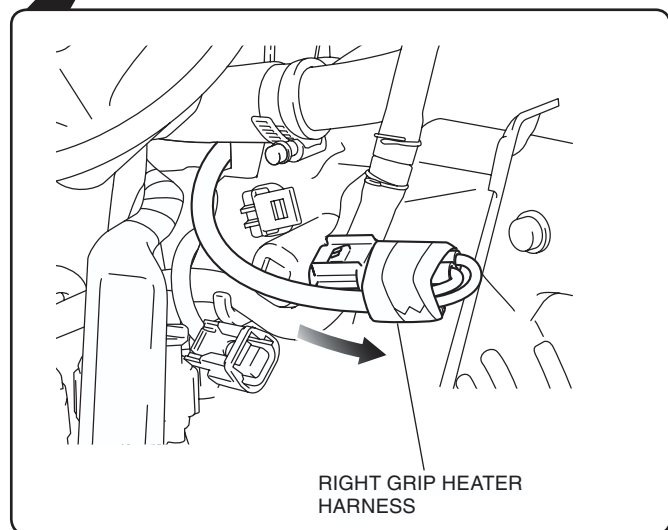
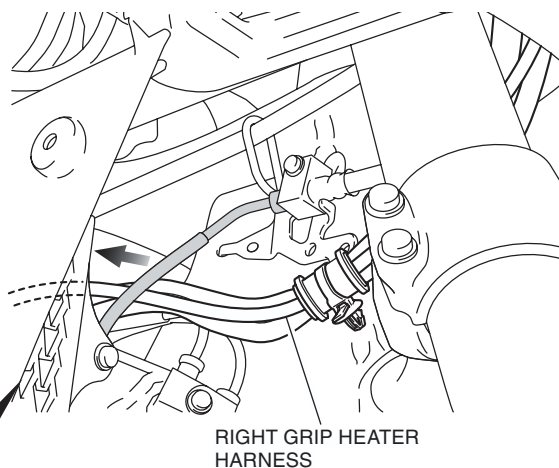


64. Install the clip band as shown.

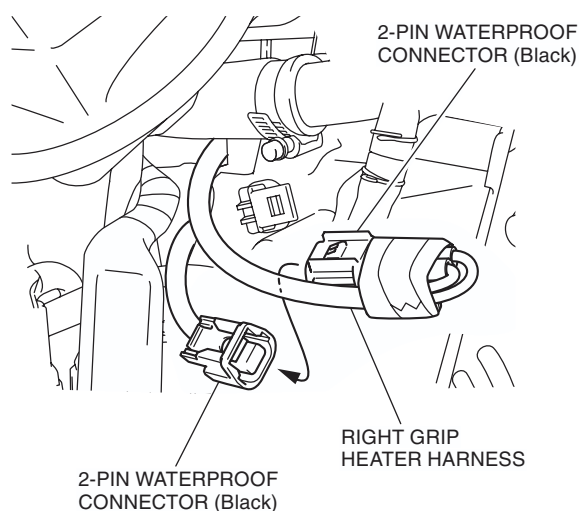
Secure with the hook part of the clip band toward the opposite side of right grip heater harness as shown.



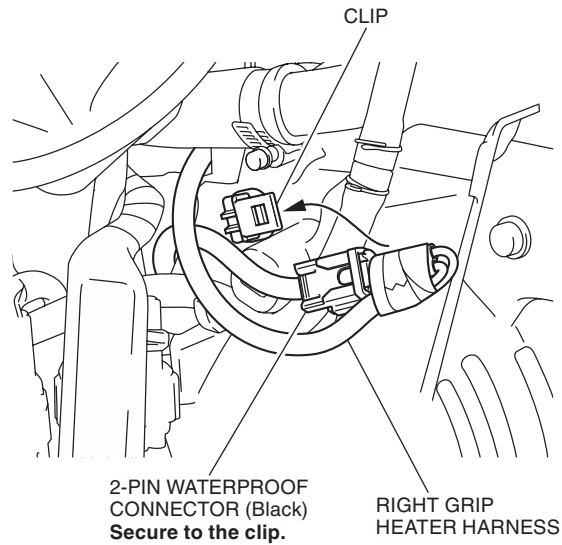
65. Route the right grip heater harness as shown.



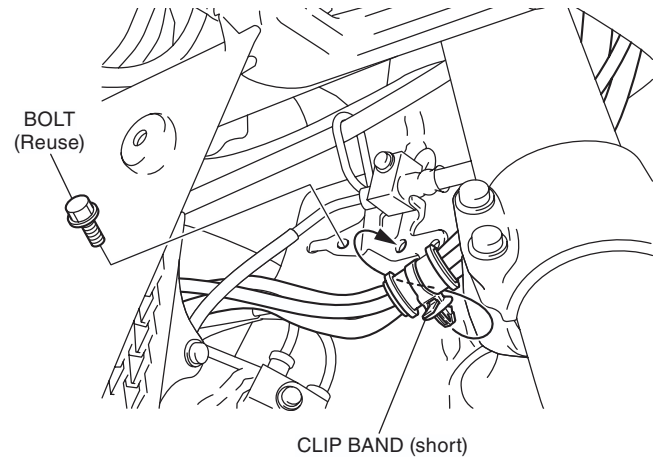
66. Connect the right grip heater harness as shown.



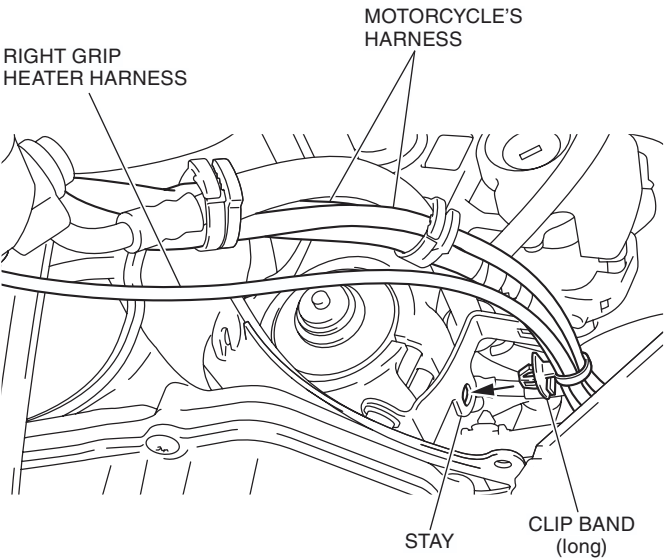
67. Secure the right grip heater harness as shown.



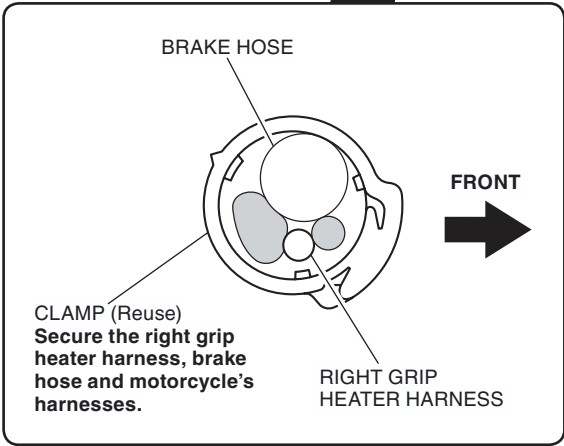
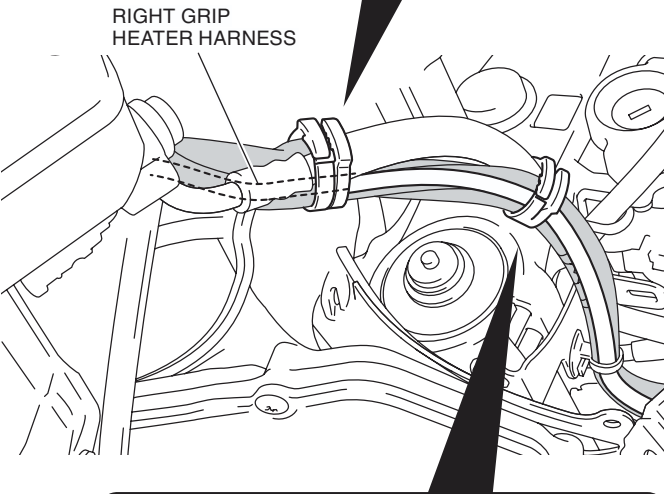
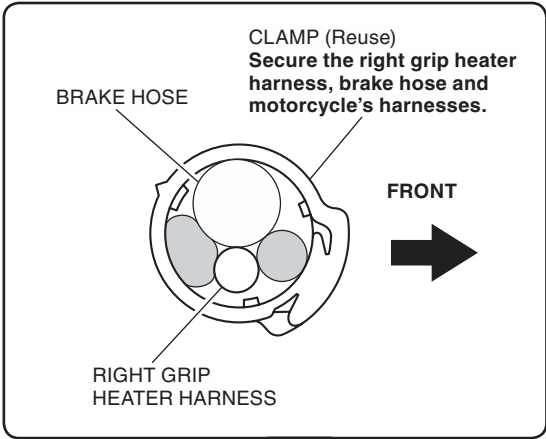
68. Secure the clip band as shown.



69. Secure the clip band as shown.
<Right side>



70. Secure the right grip heater harness with the clamps as shown.



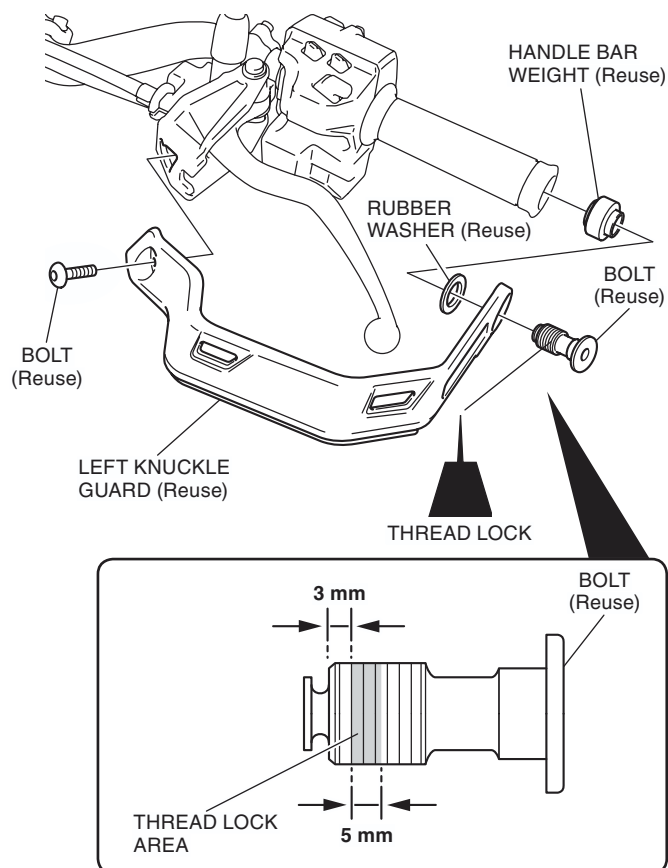
71. Check each harness for sufficient play.

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

72. Reinstall the parts as shown.

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

<Left side>



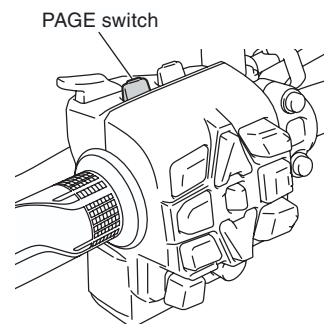
73. Install the motorcycle's parts in the reverse order of removal.

- **Confirm that any wire harness is not caught or too tight.**
- **After installing the grip heater, perform the setting.**

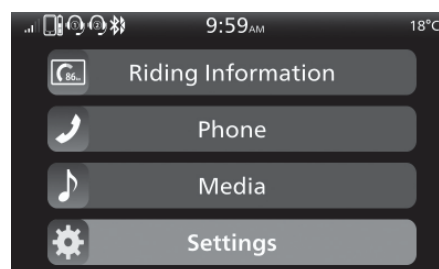
74. Check the grip heater, throttle, headlight and the other lights for proper operation.

SETTING

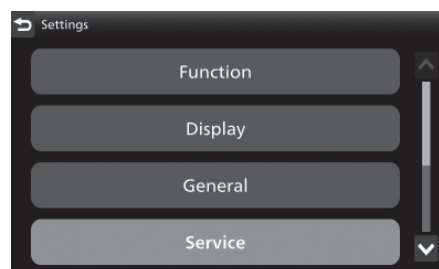
1. Connect the SCS short connector (070MZ-0010300) to the DLC
2. Turn the ignition switch ON and engine stop switch "Q".
 - **Do not start the engine.**
3. Pull backward and hold the PAGE switch or touch the clock area of the multi-information display.



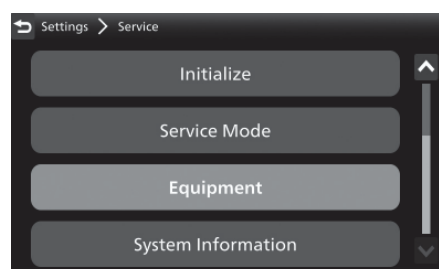
4. Select the "Settings", and then press the ENT switch.



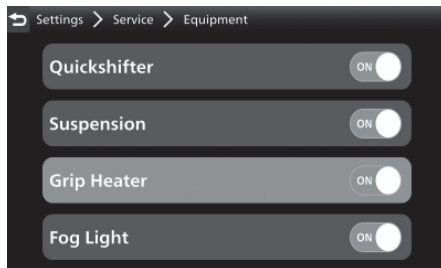
5. Select the "Service", and then press the ENT switch.



6. Select the "Equipment", and then press the ENT switch.

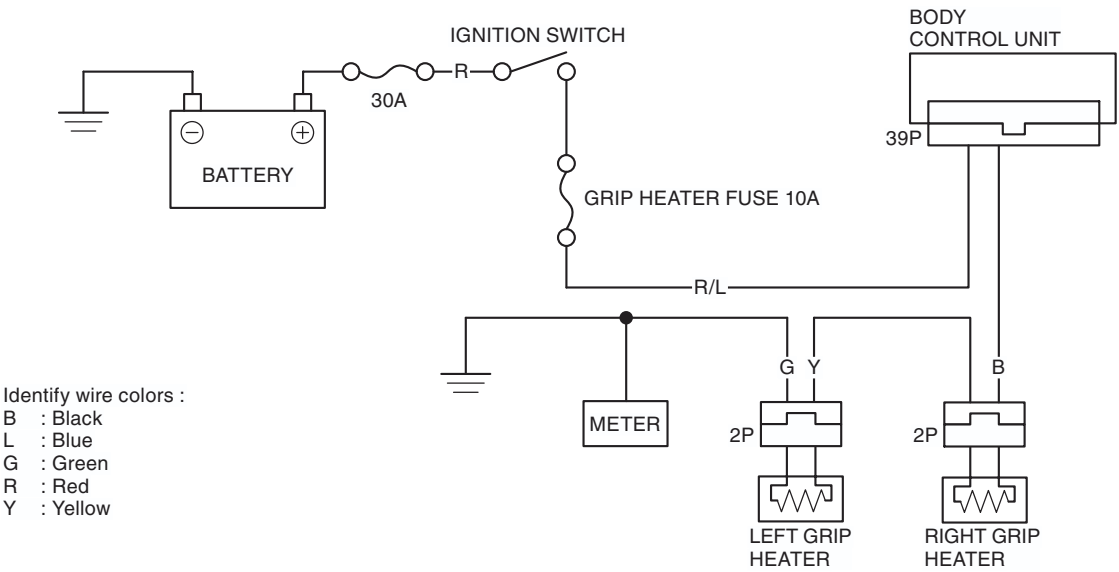


7. Select the “Grip Heater”, and then press the ENT switch to “ON” the function.



8. Turn the ignition switch OFF and remove the SCS short connector

SYSTEM DIAGRAM



DEALER TROUBLESHOOTING

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

Symptom	Check
Grip heater status icon blinks. GRIP HEATER STATUS ICON	Refer to the service manual for the motorcycle.