

Assembly Instructions

Model:	ZR900C/E
Description:	Grip Heater
Part Number:	99994-1219
Flat Rate Time(Hr):	1.1

Before you begin, read through these instructions and check that all parts are present. Please note that Kawasaki cannot assume any responsibility for damage resulting from incorrect installation.

Kawasaki recommends that all genuine accessories should be fitted by an authorized Kawasaki dealer.

The following symbols indicate the information for proper installation and operation in this instruction.

WARNING : WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

NOTICE : NOTICE is used to address practices not related to personal injury.

NOTE : NOTE indicates information that may help or guide you in the operation or service of the vehicle.

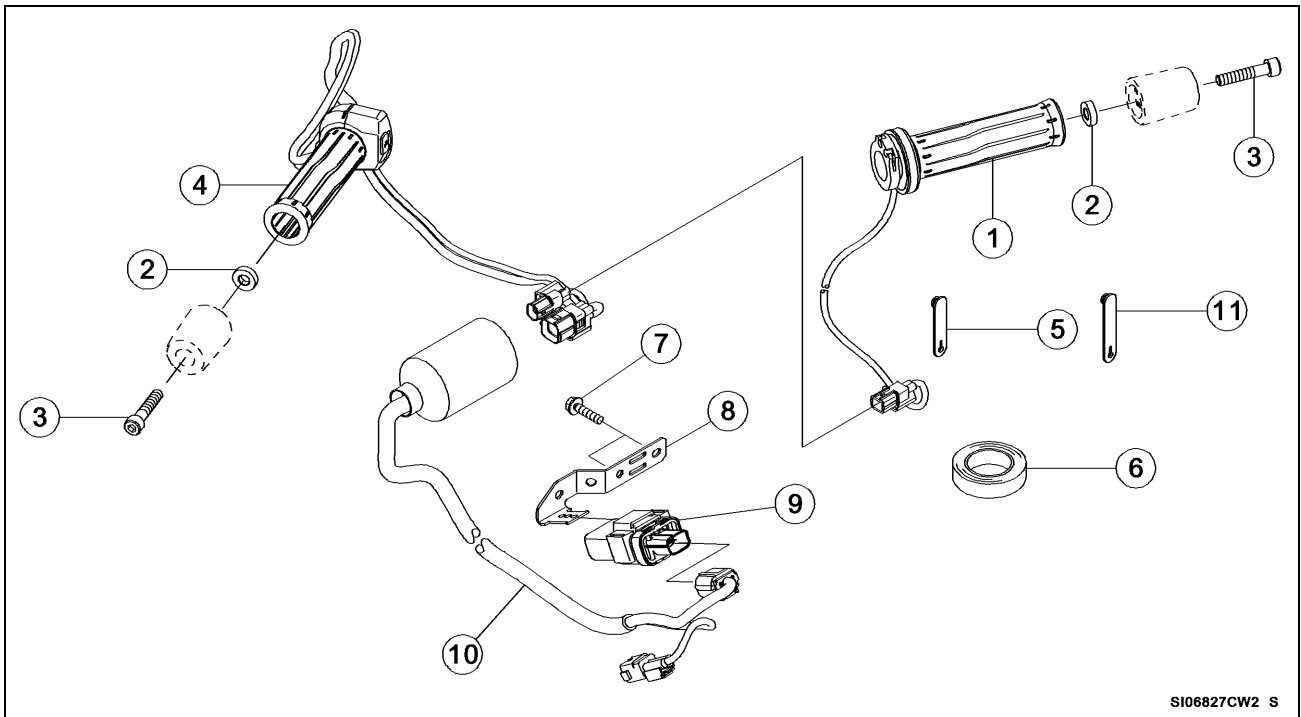
● Indicates a procedural step or work to be done.

○ Indicates a procedural sub-step or how to do the work of the procedural step it follows. It also precedes the text of a NOTE.

★ Indicates a conditional step or what action to take based on the results of the test or inspection in the procedural step or sub-step it follows.

Refer to the Service Manual (P/No.: 99924-1537-02) for detailed procedures.

Parts List				
No.	Component Name	Part No.	Qty	Remark
1	Right Grip Heater	46019-0077	1	
2	Collar	92152-1848	2	
3	Bolt	92154-1001	2	L = 40 mm
4	Left Grip Heater	46019-0078	1	
5	Clamp	92173-1229	1	
6	Harness Tape	39188-0006	1	
7	Bolt	130BA0625	2	L = 25 mm
8	Bracket	11057-1455	1	
9	Grip Heater Controller	21175-1329	1	
10	Sub-harness	26031-2364	1	
11	Clamp	92173-1526	1	for ZR900E only

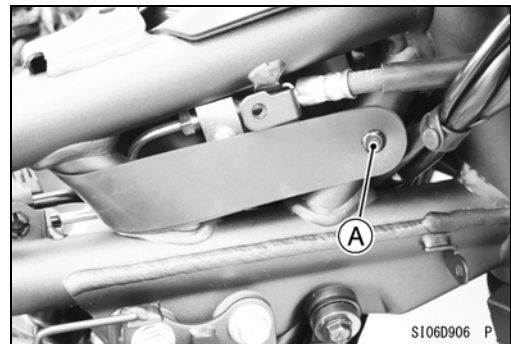


SI06827CW2 S

Installation Instructions

- Remove the following parts (Refer to the Service Manual).
 - Seat
 - Side Cover
 - Fuel Tank
 - Front Cover
 - Air Cleaner Housing
 - Headlight Housing

- Remove:
 - Quick Rivet [A]

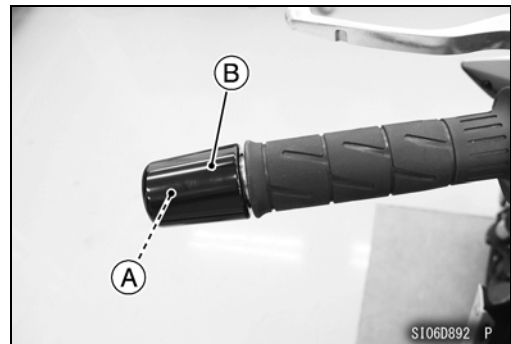


SI06D906 P

- Remove:
 - Bolt [A] (Both Sides)
 - Handlebar Weight [B] (Both Sides)

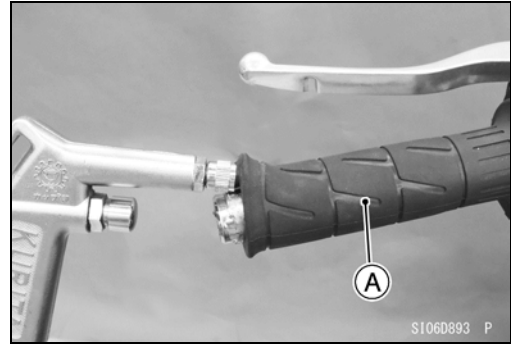
NOTE

- *The removed bolt is not necessary for this accessory.*



SI06D892 P

- Apply compressed air to the inside of the left handlebar grip [A] to remove the grip.

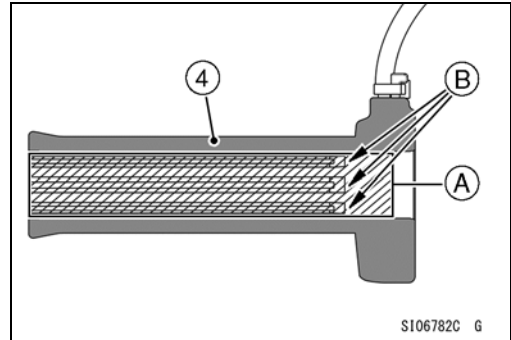


- Using a cleaning fluid, clean off any oil or dirt on the handlebar and dry them with a clean cloth.
- Before installing the left grip heater, mask the bolt hole of the handlebar end to prevent adhesive from entering it.
- Apply heat resistant adhesive [A] inside the left grip heater [4].
- Be sure to apply adhesive on the rib ends [B].

Sealant – Adhesive, TB1530C: 56042-0001

NOTE

- Quickly complete bonding process before the adhesive is dry. To prevent motorcycle from falling over, work with an assistant.
- Once installed left grip heater can not be reused.



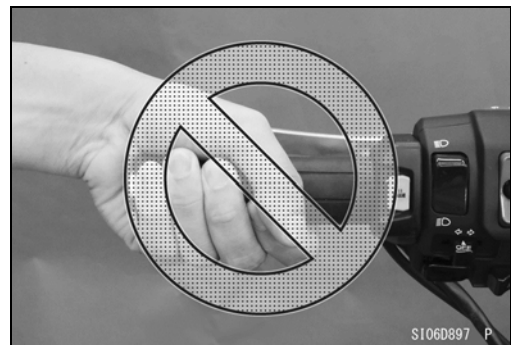
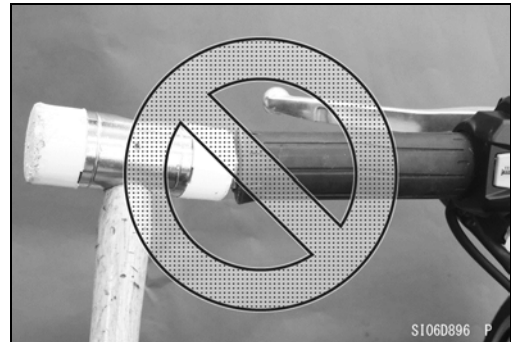
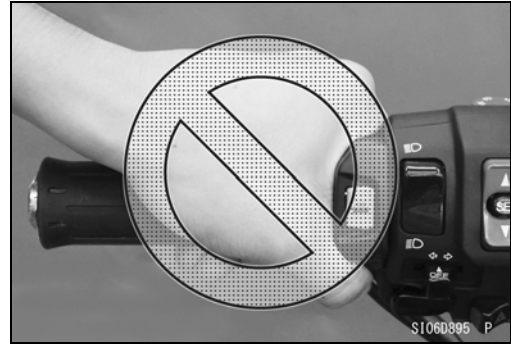
⚠WARNING

Be sure to use the specified adhesive to securely bond the right grip heater with the inner grip and the left grip heater with the handlebar. Dry them until bonded. Make sure that they are completely bonded together. Using an unspecified adhesive or insufficient drying time can cause the grip heater to fall off during riding, which leads to turnover accidents resulting in severe injury or death.

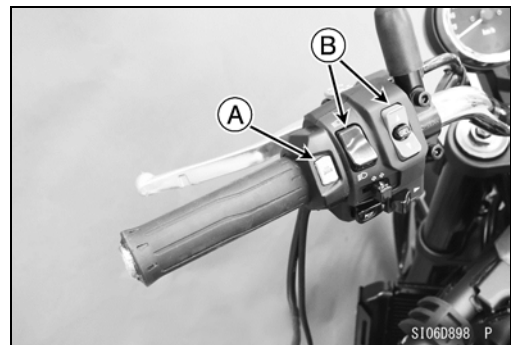
NOTE

- When inserting the grip heater into the handlebar, do not grasp the grip heater switch portion strongly, do not hammer the grip end, or do not twist the grip strongly. The circuit in the grip heater may be broken.

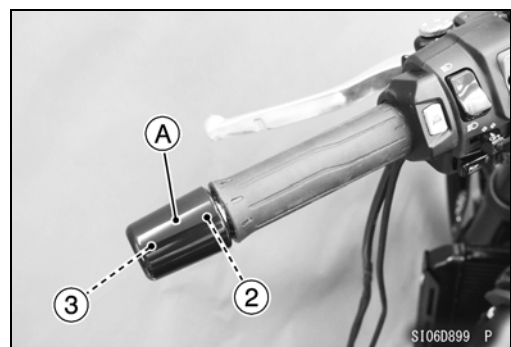
If the grip heater stops in the middle of the handlebar, inject degreaser into the gap between the handlebar and the grip heater to remove the grip heater. Never try to prize out the grip heater with a wiring driver. The circuit in the grip heater may be broken.



- Install the left grip heater so that the switch [A] of the left grip heater and the switch [B] of the left switch housing are on a straight line.
- Wipe out excess adhesive.



- Install:
 - Collar [2]
 - Handlebar Weight [A]
- Tighten:
 - Bolt [3]

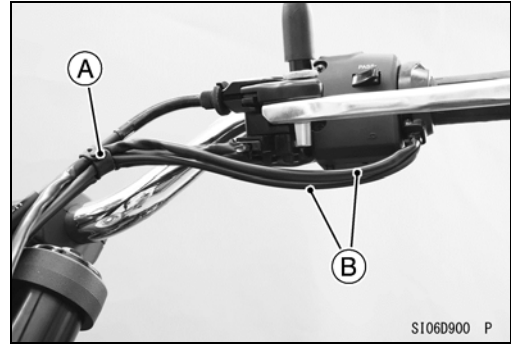


ZR900C

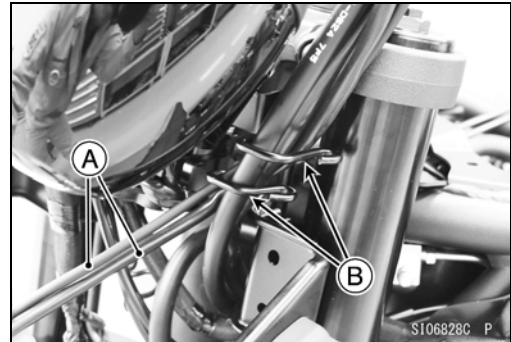
- Hold the left grip heater leads [B] with the clamp [A].

NOTE

- Check the left grip heater leads do not interfere with the clutch lever.

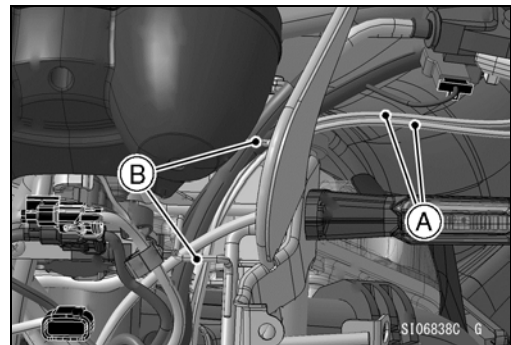


- Run the left grip heater lead [A] through the guides [B].

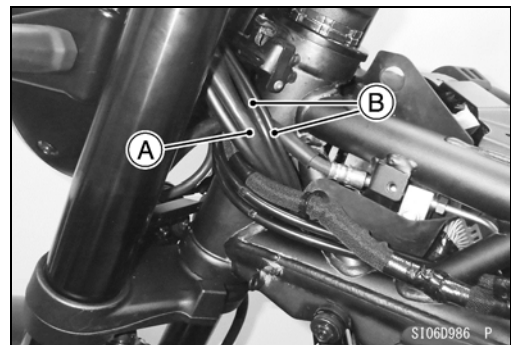


ZR900E

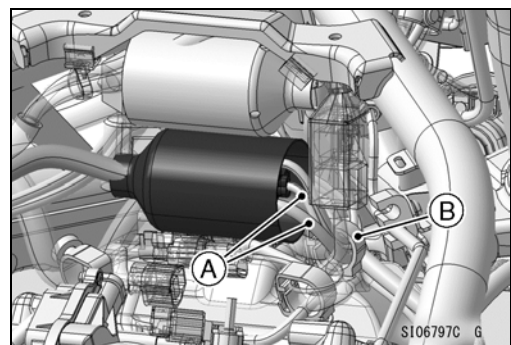
- Run the left grip heater lead [A] through the guides [B].
- Position the left grip heater lead at the outermost side in the guide.



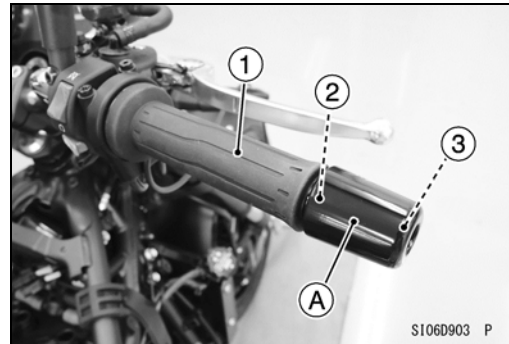
- Run the left grip heater leads [B] along the left switch housing lead [A] and through the inside of the frame.
- Run the left grip heater leads through the rearward of the turn signal light lead.
- Run the left grip heater leads while setting the handlebar straight ahead.



- Hold the left grip heater leads [A] with the clamp [B].

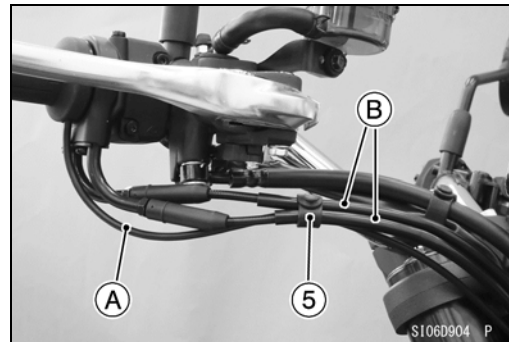


- Remove the throttle grip (Refer to Service Manual).
- Install the right grip heater [1] in the same way as the throttle grip (Refer to the Service Manual).
- Install:
 - Collar [2]
 - Handlebar Weight [A]
- Tighten:
 - Bolt [3]

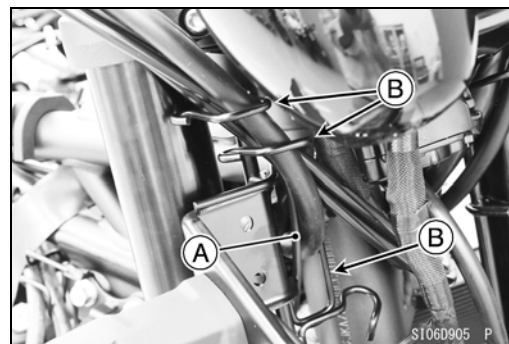


ZR900C

- Hold the right grip heater lead [A] and throttle cables [B] with the clamp [5].

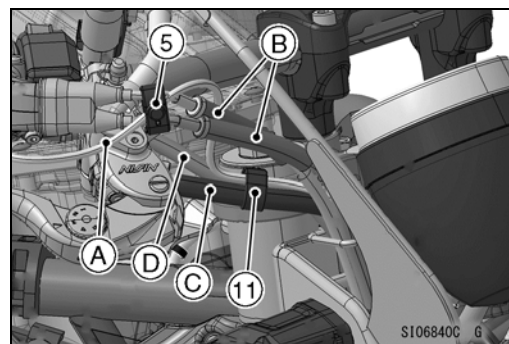


- Run the right grip heater lead [A] through the guides [B].
- Run the right grip heater lead through the rearward of the turn signal lead.

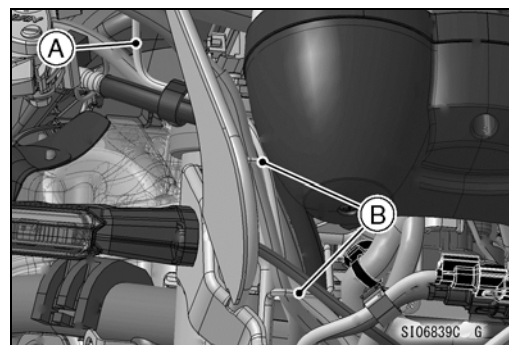


ZR900E

- Hold the right grip heater lead [A] and throttle cables [B] with the clamp [5].
- Hold the right grip heater lead [A], brake hose [C] and right switch housing lead [D] with the clamp [11].
- Run the right grip heater lead over the brake hose and right switch housing lead.
- The grip heater lead should not over tension between clamp [5] and clamp [11].



- Run the right grip heater lead [A] through the guides [B] so that the position it outside of the each leads and cables.



- Run the right grip heater lead [A] through the inside of frame and hold it with the clamp [B].
- Check that the throttle grip moves smoothly from full open to close.

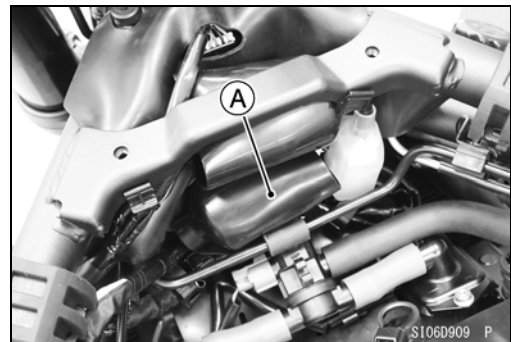
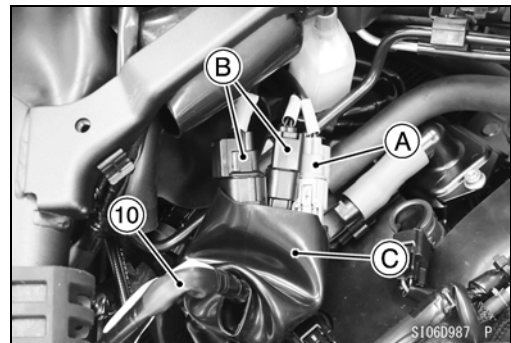
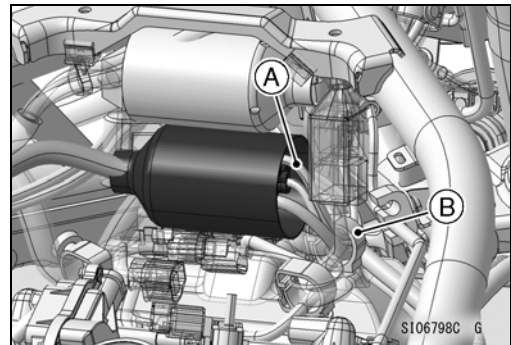
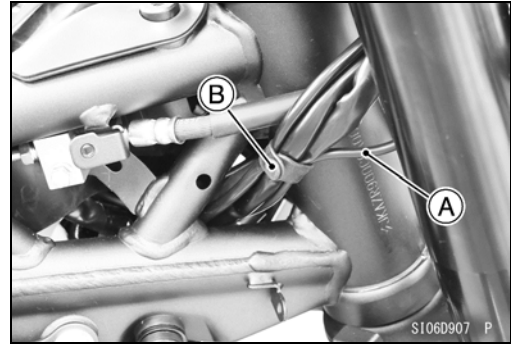
⚠WARNING

After having installed the right grip heater to the motorcycle, open and close the throttle to make sure that it moves smoothly. Driving without conducting proper checks on the throttle can lead to an accident. If the throttle becomes stuck, it possibly causes motorcycle fall over accident, resulting in severe injury or death.

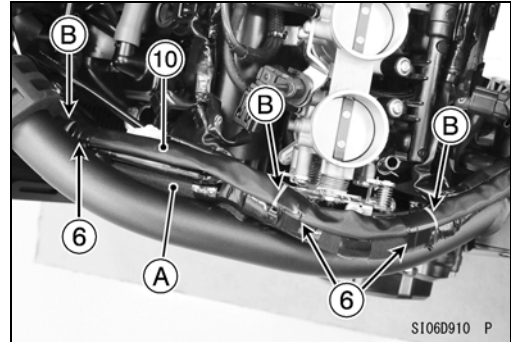
- Hold the right grip heater lead [A] with the clamp [B].
- Turn the handlebar to both sides.
- ★ If the interfere with handlebar movement, inspect the installation condition of parts.

- Connect the right grip heater lead connector [A] and left grip heater lead connectors [B] to sub-harness [10].
- Put the connectors in the boot [C].

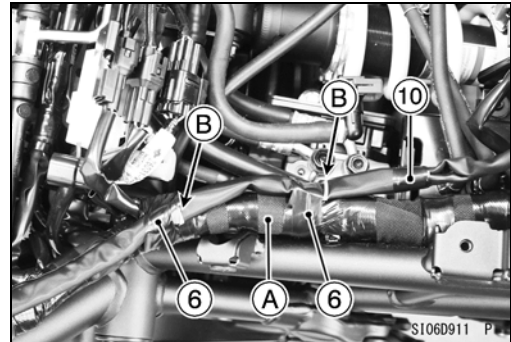
- Put the boot [A] of sub-harness as shown.



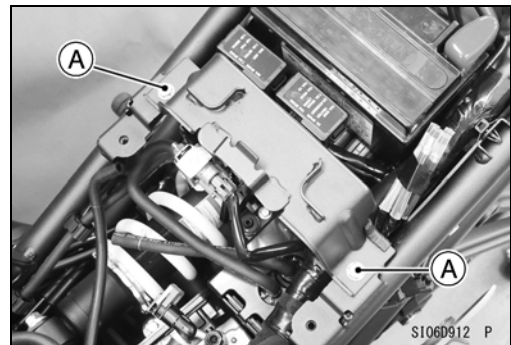
- Hold the sub-harness [10] with the harness tapes [6] to the upper side of the main harness [A] (3 places).
- Hold the vicinity of the gray tapes [B] of the sub harness with the harness tape.



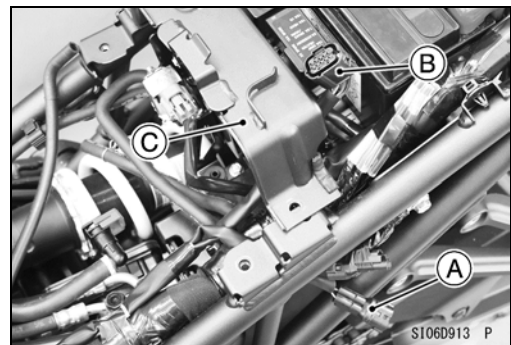
- Hold the sub-harness [10] with the harness tapes [6] to the inner side of the main harness [A] (2 places).
- Hold the vicinity of the gray tapes [B] of the sub harness with the harness tape.



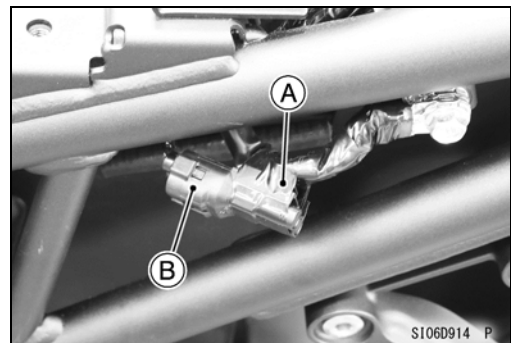
- Remove the bolts [A].



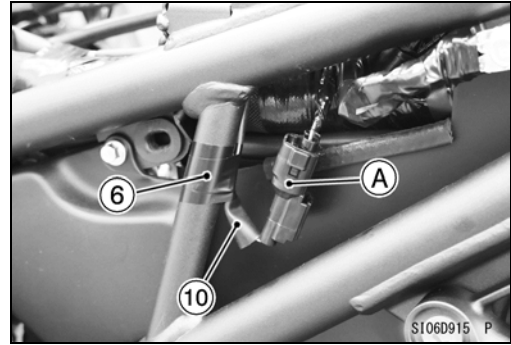
- Run the power supply connector [A] of sub-harness under the frame.
- Run the grip heater controller connector [B] of sub-harness under the bracket [C].



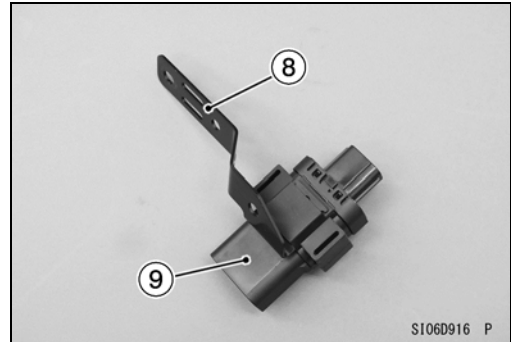
- Peel off the harness tape [A] and remove the connector cap [B].



- Connect the power supply connector [A] of the sub-harness [10].
- Hold the sub-harness to the frame with harness tape [6].



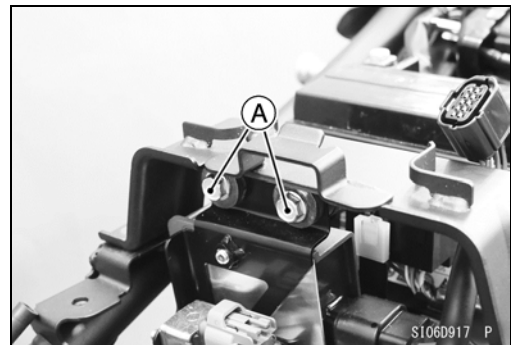
- Install the grip heater controller [9] to the bracket [8].



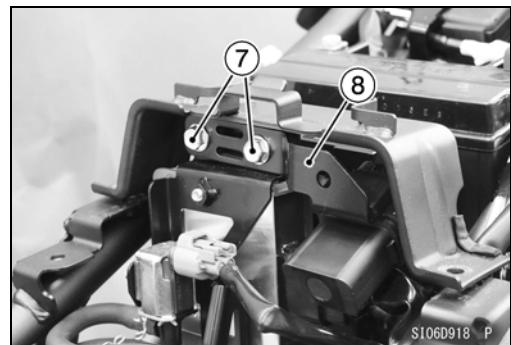
- Remove the bolts [A].

NOTE

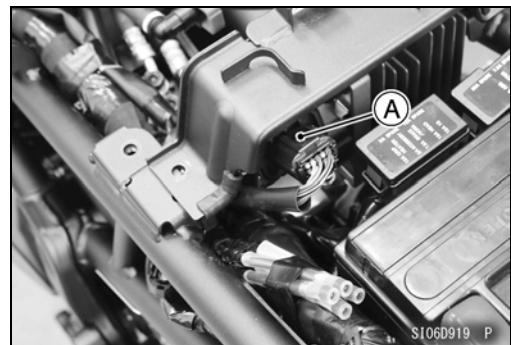
○ *The removed bolts are not necessary for this accessory.*



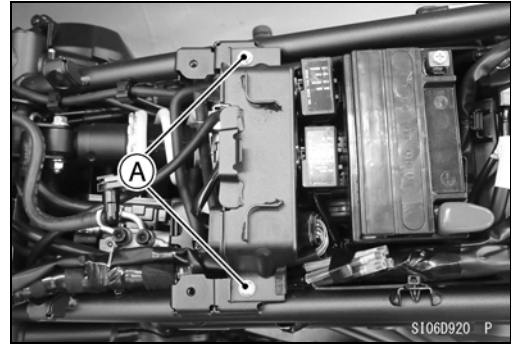
- Install the bracket [8] and tighten the bolts [7].



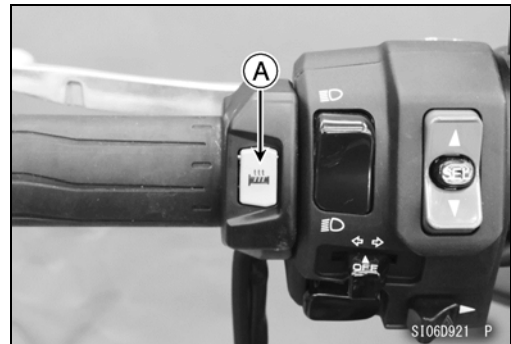
- Connect the grip heater controller connector [A] of sub-harness.



- Tighten the bolts [A].



- Turn the ignition switch to "ON".
- Turn the grip heater switch to "ON", check the indicator light [A] goes on.
- ★ If the indicator light does not go on, inspect the installation condition of parts.



- Install the removed parts (Refer to the Service Manual).
- Be careful not to pinch the sub-harness in the fuel tank.

Basic Torque for General Fasteners

The tables below, relating tightening torque to thread diameter, lists the basic torque for the bolts, nuts and screws. Use these tables for the bolts, nuts and screws which are not specified the tightening torque particularly on the previous pages. All of the values are for use with dry solvent-cleaned threads.

For Bolts and Nuts

Threads dia. (mm)	Torque		
	N·m	kgf·m	ft·lb
5	4.5	0.46	40 in·lb
6	8.0	0.82	71 in·lb
8	20	2.0	15
10	35	3.6	26
12	60	6.1	44

For Screws, Plastic Part Tightening Portions and Plastic Washer Tightening Portions

Threads dia. (mm)	Torque		
	N·m	kgf·m	ft·lb
4	1.2	0.12	11 in·lb
5	3.0	0.31	27 in·lb
6	4.0	0.41	35 in·lb

For Self-Tapping Screws

Threads dia. (mm)	Torque		
	N·m	kgf·m	ft·lb
All	1.2	0.12	11 in·lb

For Wellnuts

Threads dia. (mm)	Torque		
	N·m	kgf·m	ft·lb
4	0.2	0.02	1.8 in·lb
5	0.5	0.05	4.4 in·lb
6	1.0	0.10	8.9 in·lb

Check tightness of all fasteners in regular interval. Retighten loose fasteners.

**Check tightness of all fasteners in regular interval. Retighten loose fasteners.
This grip heater is rated at 48.1 W.**

NOTICE

Please refer to the Operating Manual (Part No. 99958-0402) for operating procedures.