

Kawasaki


Assembly Instructions

Model:	EJ800C/D
Description:	Grip Heater
Part Number:	99994-1458
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.

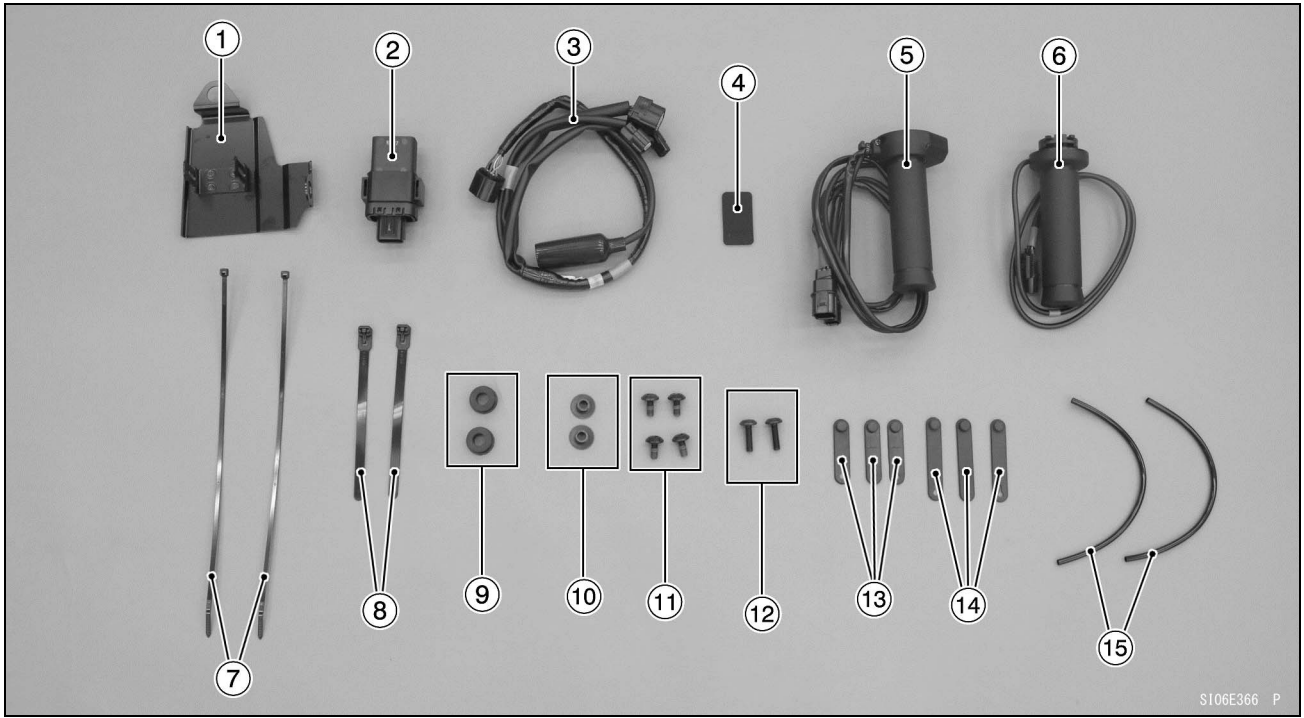
Kawasaki recommends that all genuine accessories should be fitted by an authorized Kawasaki dealer.

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.
- 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.

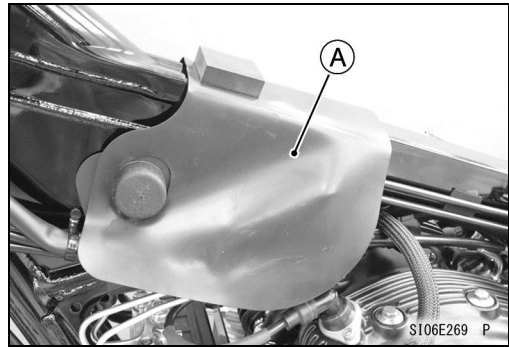
Refer to the Service Manual (P/No.: 99924-1556-03 or 99832-0013-02) for detailed procedures.

Parts List				
No.	Component Name	Part No.	Qty	Remark
1	Bracket	11057-2347	1	
2	Grip Heater Controller	21175-1329	1	
3	Harness	26031-2580	1	
4	Pad	39156-2532	1	
5	Left Grip Heater	46019-0085	1	
6	Right Grip Heater	46019-0101	1	
7	Band	92072-0863	2	
8	Band	92072-1293	2	
9	Damper	92075-277	2	
10	Collar	92152-2620	2	
11	Bolt (with a Non-permanent Locking Agent)	92154-1807	4	L = 14
12	Bolt	92154-2234	2	L = 22
13	Clamp	92173-1229	3	Short, EJ800C is used 2 pieces.
14	Clamp	92173-1526	3	Long
15	Tube	92192-2283	2	

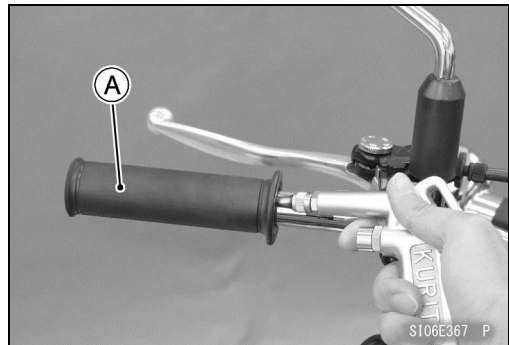


Installation Instructions

- Remove the following parts (Refer to the Service Manual).
 - Seat
 - Fuel Tank
 - Covers (For ABS Hydraulic Unit)
 - Throttle Cable Upper Ends
 - Throttle Grip
 - Cover [A]



- Remove the left switch housing from the handlebar (Refer to the Service Manual).
- Apply compressed air to the inside of the left handlebar grip [A] to remove the grip.
- Install the left switch housing (Refer to the Service Manual).

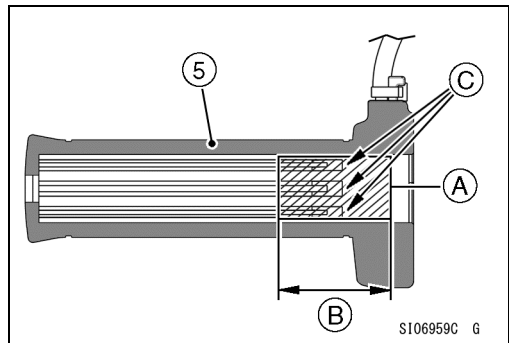


- Using a cleaning fluid, clean off any oil or dirt on the handlebar and dry them with a clean cloth.
- Apply heat resistant adhesive [A] inside the left grip heater [5] as shown.
 - 30 mm (1.2 in.) [B] from this side of the rib ends [C]

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 cannot be reused.



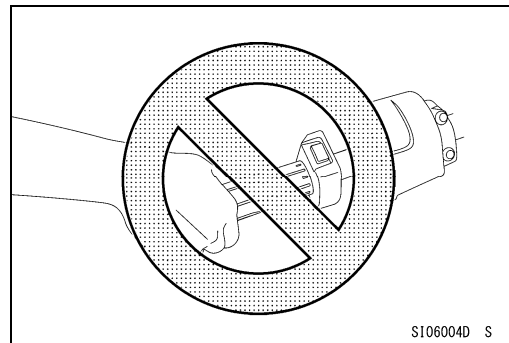
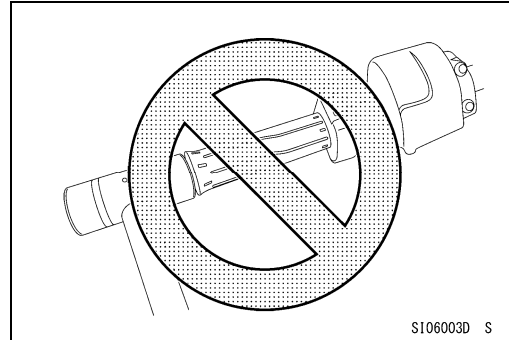
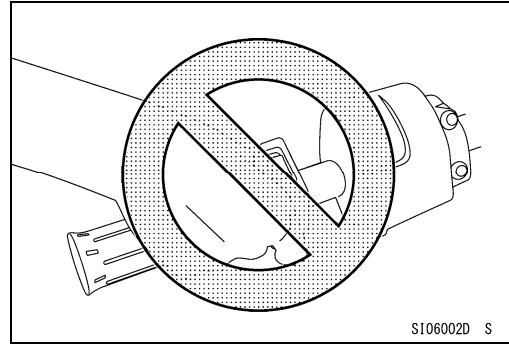
⚠ WARNING

Be sure to use the specified adhesive to securely bond the left grip heater with the handlebar. Dry them until bonded. Make sure that they are completely bonded together.

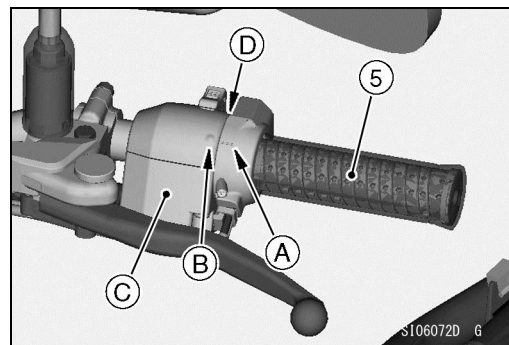
Using an unspecified adhesive or insufficient drying time can cause the grip heater to fall off during riding, which leads to turnover accidents resulting in severe injury or death.

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.

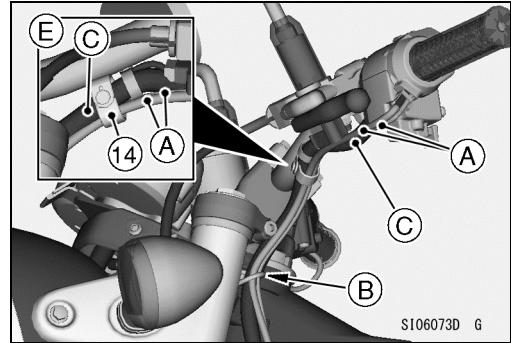
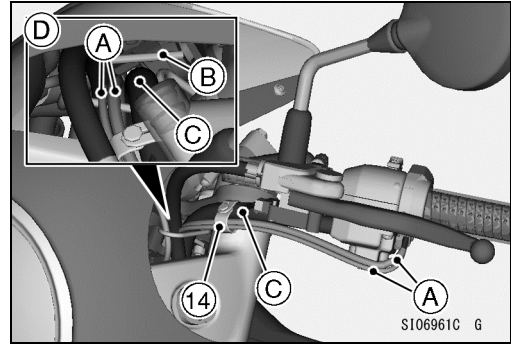


- Align the projection [A] on the left grip heater [5] with the projection [B] on the left switch housing [C].
No Clearance [D]
- Wipe out excess adhesive.



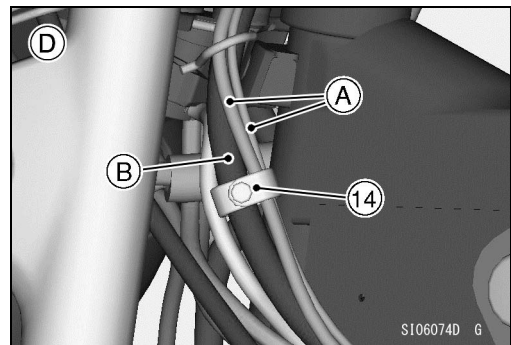
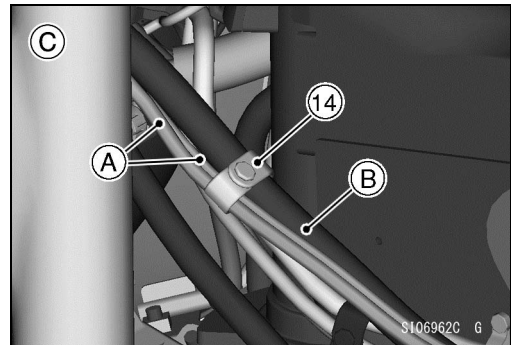
- Run the left grip heater leads [A] as shown.
- Run the left grip heater leads into the guide [B].
- Hold the left grip heater leads and left switch housing lead [C] with the clamp [14] as shown.

EJ800C [D]
EJ800D [E]

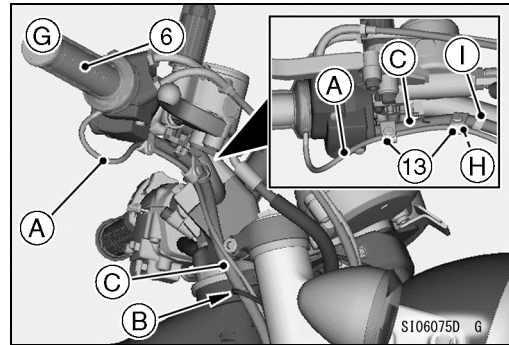
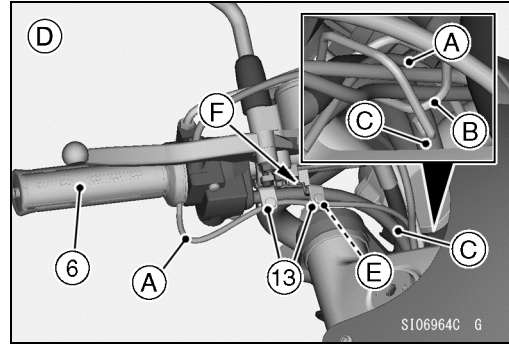


- Run the left grip heater leads [A] as shown.
- Hold the left grip heater leads and left switch housing lead [B] with the clamp [14].

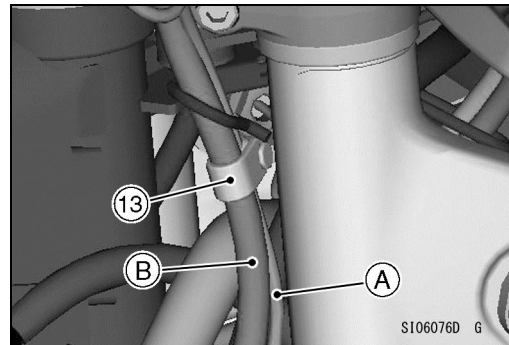
EJ800C [C]
EJ800D [D]



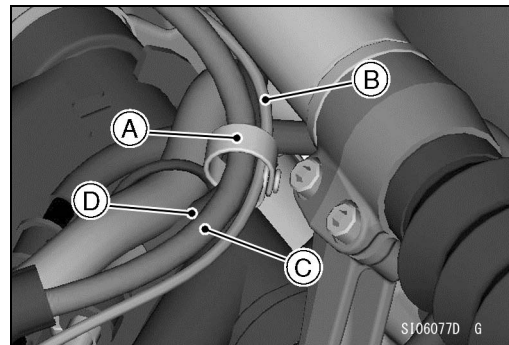
- Install the right grip heater [6] in the same way as the throttle grip (Refer to the Service Manual).
- Run the right grip heater lead [A] as shown.
- Run the right grip heater lead into the guide [B].
- Hold the right grip heater lead and right switch housing lead [C] with the clamps [13].
- For EJ800C [D], set the gray tape [E] on the right grip heater lead at the inside of the branch [F] of the right switch housing lead, and hold the right grip heater lead along the right switch housing lead with the clamp (inner) [13].
- For EJ800D [G], set the gray tape [H] on the right grip heater lead at the outside of the clamp [I], and hold the right grip heater lead along the right switch housing lead with the clamp (inner) [13].
- Hold the right grip heater lead along the right switch housing lead with the clamp (outer) [13] near the right switch housing body.



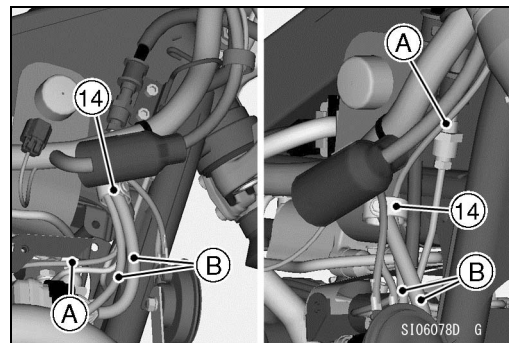
- For EJ800D only, hold the right grip heater lead [A] and right switch housing lead [B] with the clamp [13].



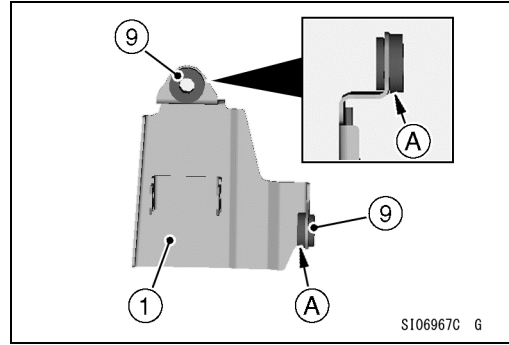
- Open the clamp [A].
- Run the right grip heater lead [B] as shown.
- Hold the right grip heater lead, right switch housing lead [C] and brake hose [D] with the clamp [A].



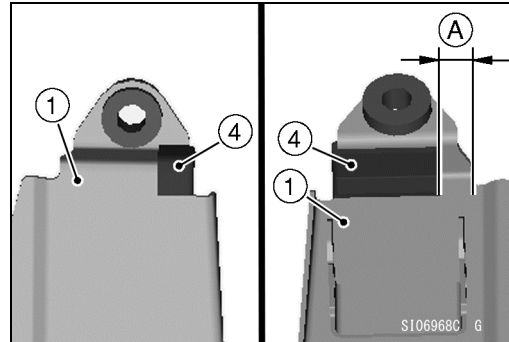
- Run the right grip heater lead [A] as shown.
- Hold the right grip heater lead and main harness [B] with the clamp [14].



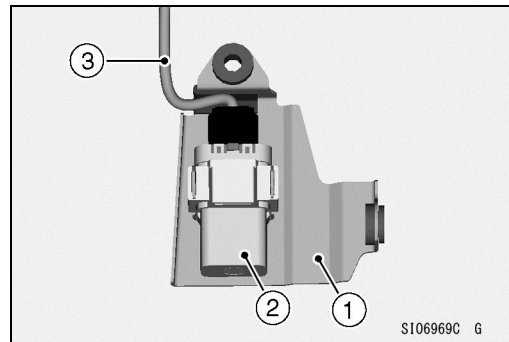
- Install the dampers [9] on the bracket [1].
- Face the thick side [A] of the damper inside.



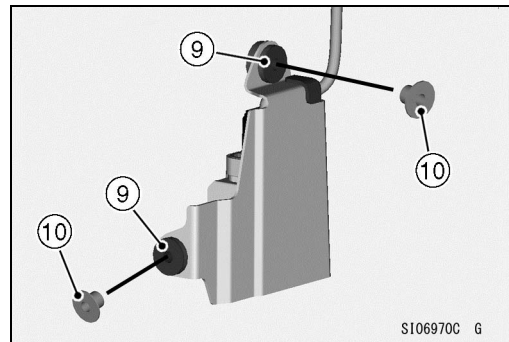
- Remove the release paper from the pad [4].
- Install the pad on the bracket [1] as shown. 10 mm (0.39 in.) [A]



- Connect the harness [3] to the grip heater controller [2].
- Install the grip heater controller to the bracket [1].
- Run the harness as shown.



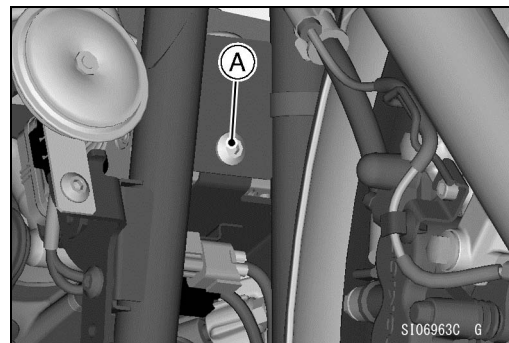
- Install the collars [10] to the dampers [9].



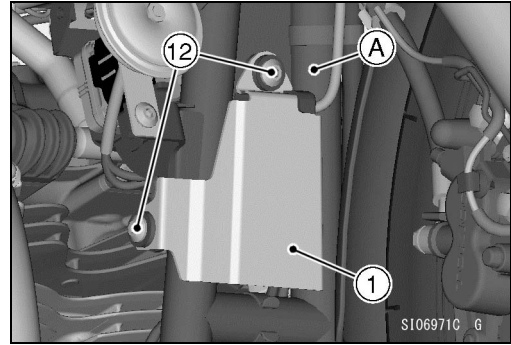
- Remove the bolt [A].

NOTE

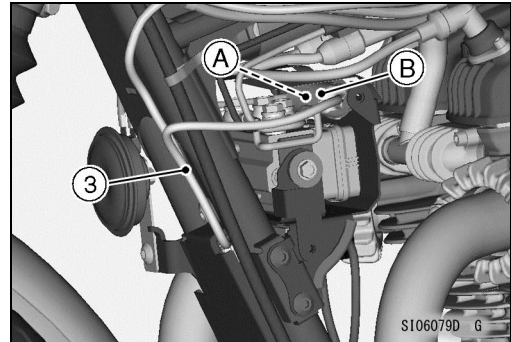
- *The removed bolt is not necessary for this accessory.*



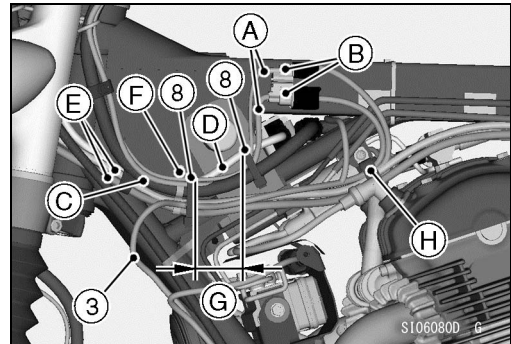
- Install the bracket [1] to the frame [A].
- Tighten the bolts [12].



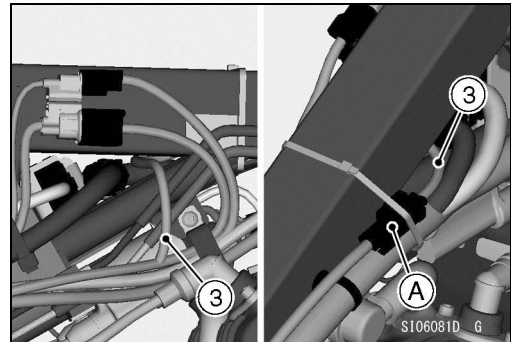
- Run the harness [3] as shown.
- Connect the right grip heater lead connector [A] to the connector of the harness.
- Cover the right grip heater lead connector with the dust cover [B].



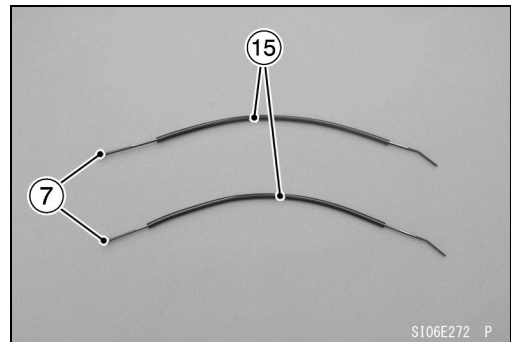
- Run the left grip heater leads [A] and harness [3] as shown.
- Connect the left grip heater lead connectors [B] to the connectors of the harness.
- Hold the left grip heater leads, left switch housing lead [C], harness, ignition switch lead [D] and throttle cables [E] with the band (front) [8] at gray tape position. Fix the band (front) behind a clamp [F].
- Hold the left grip heater leads, left switch housing lead and ignition switch lead with the band (rear) [8].
About 70 mm (2.8 in.) [G]
- Hold the harness with the clamp [H] at gray tape position.



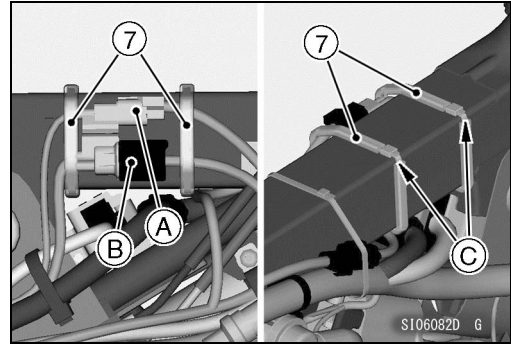
- Run the harness [3] as shown.
- Remove the connector cap of the main harness.
- Connect the connector of the harness [3] to the connector [A] of the main harness.



- Run the bands [7] through the tubes [15].



- Run the bands [7] through the frame pipe.
- Hold the front and rear of the left grip heater lead connectors and harness connectors to the left side of the frame.
 - 2 Pin Connector [A]
 - 6 Pin Connector [B]
- Install the bands so that its tab [C] faces upward and right side of the frame, and cut the excess of the band.



- 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.

- Turn the handlebar to both sides.
- ★ If the interfere with handlebar movement, inspect the installation condition of parts.
- Turn the ignition switch on.
- Push the grip heater switch, and check the indicator light (LED) [A] goes on.
- ★ If the indicator light (LED) does not go on, inspect the installation condition of parts.
- Install the removed parts (Refer to the Service Manual).
- Replace the ABS hydraulic unit cover bolts with new ones [11].



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.

NOTE

- *This grip heater is rated at 48.1 W.*
- *Please refer to the Operating Manual (Part No. 99958-0402) for operating procedures.*