

## Assembly Instructions

Model:	KLZ1000B
Description:	Grip Heater Kit
Part Number:	99994-0572

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.

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

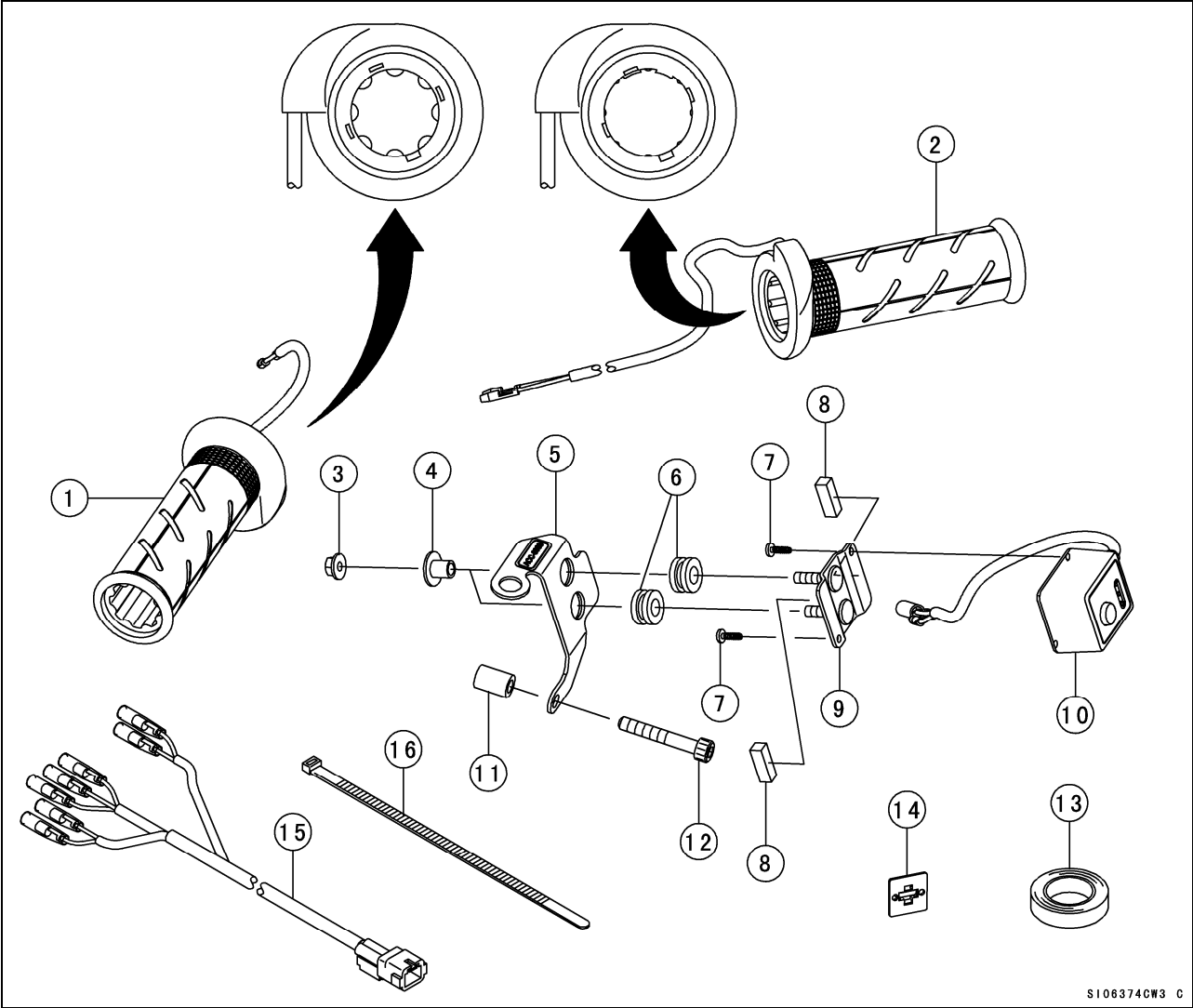
● Indicates a procedural step or work to be done.

○ 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.

Refer to the Service Manual (P/No.: 99924-1478-01) for detailed procedures.

Parts List				
No.	Component Name	Part No.	Qty	Remark
1	Left Grip Heater	46075-0599	1	
2	Right Grip Heater	46075-0600	1	
3	Nut	92210-0007	2	
4	Collar	92152-0134	2	
5	Bracket	39184-0039	1	
6	Damper	92075-1912	2	
7	Screw	92172-0351	2	
8	Damper	92161-1756	2	
9	Bracket	11056-7296	1	
10	Heater Switch	27010-0126	1	
11	Collar	92152-1994	1	
12	Bolt	120CB0640	1	
13	Harness Tape	39188-0006	1	
14	Mount Base	92173-0812	1	
15	Sub-harness	26031-1851	1	
16	Band	92072-3875	1	L = 100

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## Installation Instructions

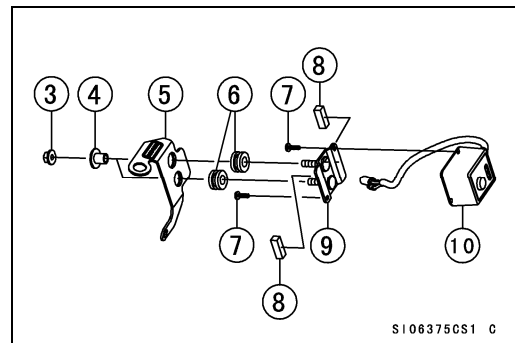
### Assembly Procedure

- Remove the following parts (Refer to the Service Manual).

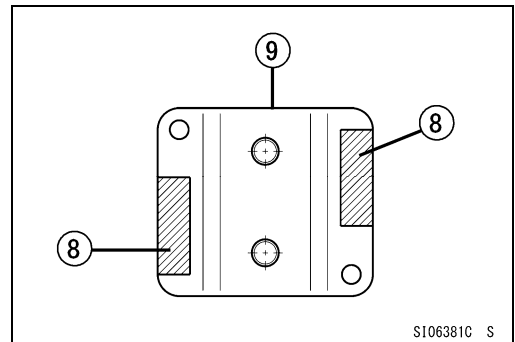
Upper Fairing  
Side Cover  
Meter Cover  
Fuel Tank  
Air Cleaner Housing  
Handlebar Grip  
Left Rear View Mirror

- Assemble:

Heater Switch [10]  
Bracket [9]  
Screws [7]  
Dampers [8]  
Dampers [6]  
Bracket [5]  
Collars [4]  
Nuts [3]



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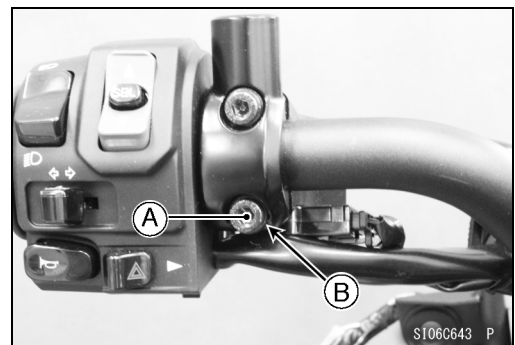
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- Remove:

Clutch Lever Clamp Bolt (Lower) [A]  
Washer [B]

### NOTE

- This washer is not necessary for this accessory.



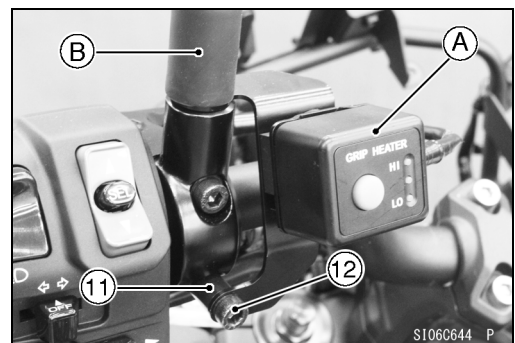
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- Install:

Collar [11]  
Heater Switch Assembly [A]  
Bolt [12]  
Left Rear View Mirror [B] (Refer to the Service Manual)

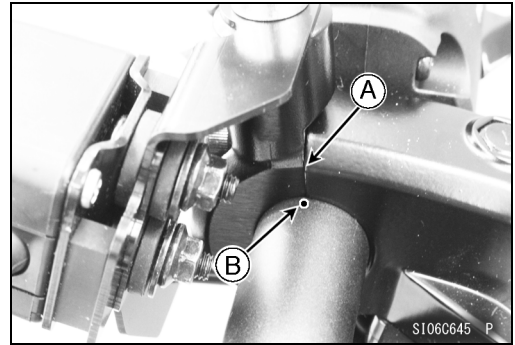
- When hand guard kit is installed, do not use the collar [11] and bolt [12]. Use the collar and bolt in the hand guard kit.

**Torque – Clutch Lever Clamp Bolts: 7.8 N·m (0.80 kgf·m, 69 in·lb)**



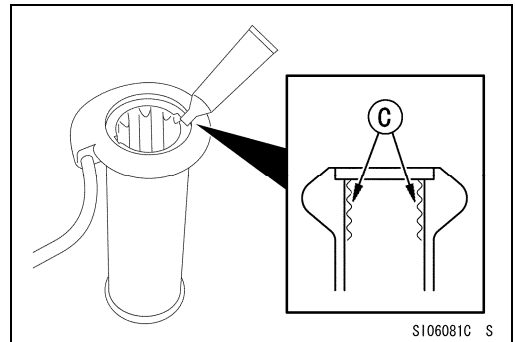
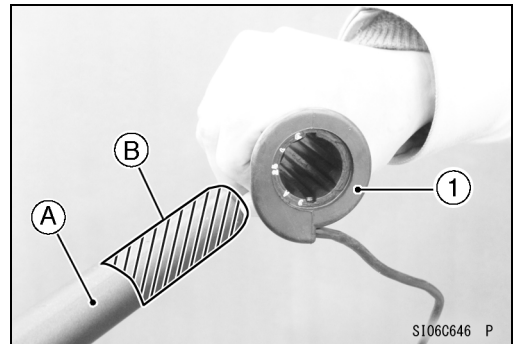
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- Install the clutch lever so that the mating surface [A] of the clutch lever clamp is aligned with the punch mark [B].
- Tighten the upper clamp bolt first, and then the lower clamp bolt. There will be a gap at the lower part of the clamp after tightening.

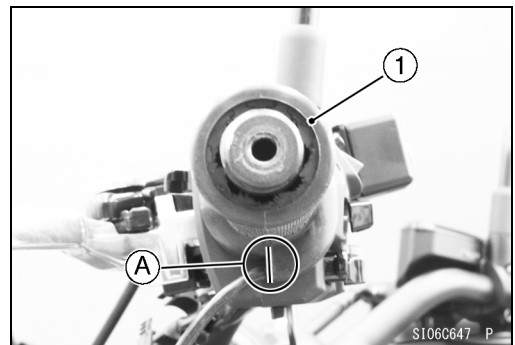


- Using a cleaning fluid, clean off any oil or dirt on the handlebar [A] and inside of the left grip heater [1].
- Apply thin coat of heat resistant adhesive to the handlebar end [B] and the inside rib [C] of the left grip heater.

**Sealant – Adhesive, TB1530C: 56042-0001**

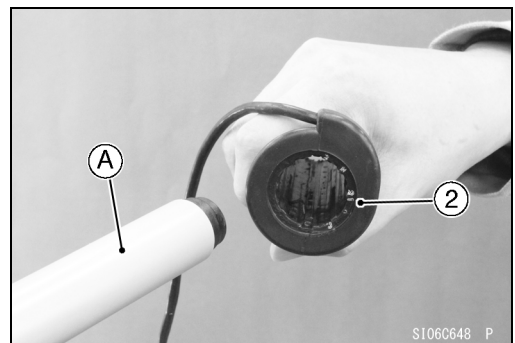


- Insert the left grip heater [1] onto the handlebar so that the harness come to the bottom side [A] of handlebar.



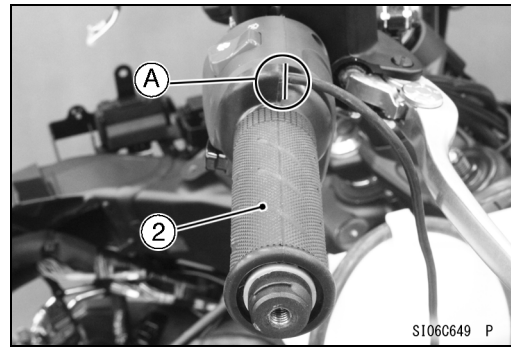
- Using a cleaning fluid, clean off any oil or dirt on the inner grip [A] and inside of the right grip heater [2].
- Apply thin coat of heat resistant adhesive to the inner grip surface.

**Sealant – Adhesive, TB1530C: 56042-0001**

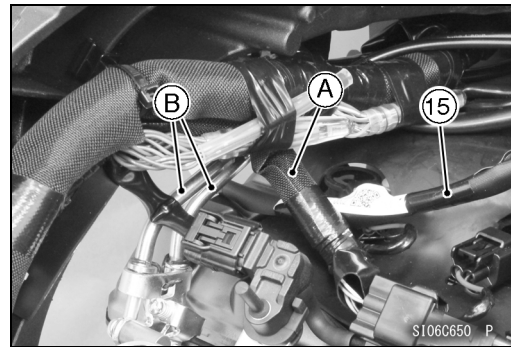


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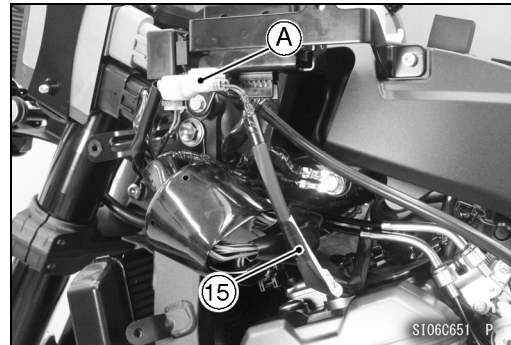
- Insert the right grip heater [2] onto the handlebar so that the harness come to the top side [A] of handlebar.



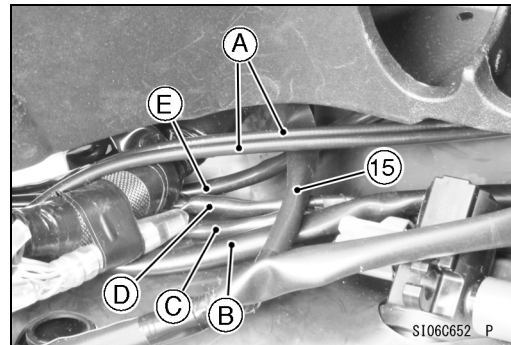
- Run the sub-harness [15] under the main harness [A] and throttle cables [B].



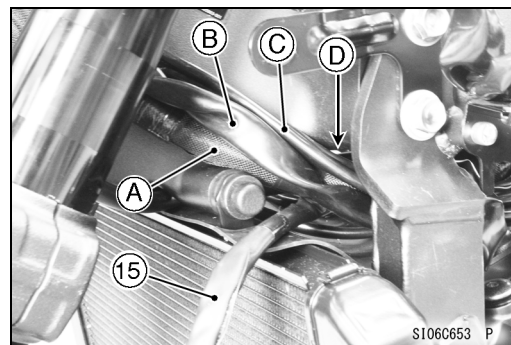
- Remove the connector cap and connect the sub-harness connector [A].  
Sub-harness [15]



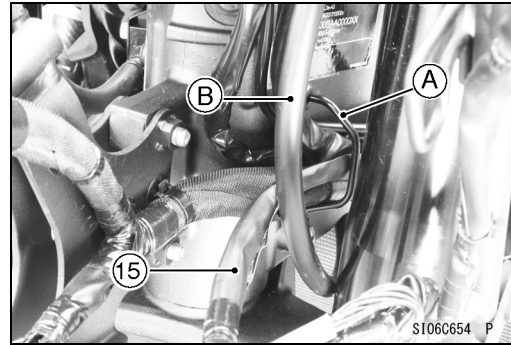
- Run the sub-harness [15] under the throttle cables [A] and upside of the right switch housing lead [B], front wheel rotation sensor lead [C], air switching valve lead [D] and radiator fan motor lead [E].



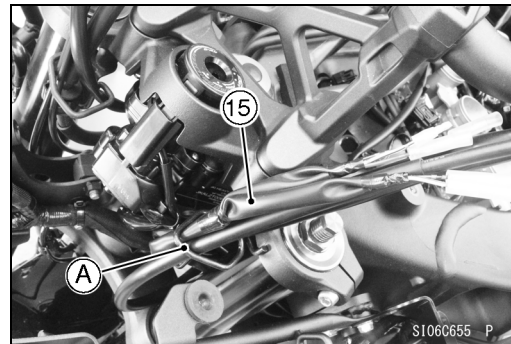
- Run the sub-harness [15] under the main harness [A], left switch housing lead [B], ignition switch lead [C] and immobilizer antenna lead (equipped models) [D].



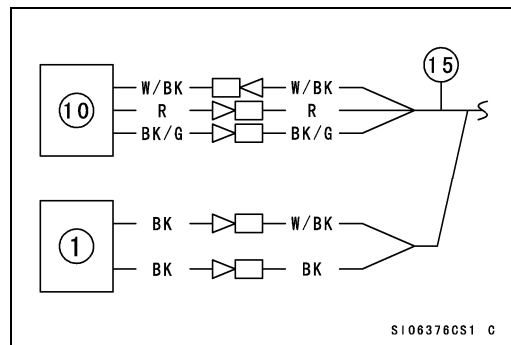
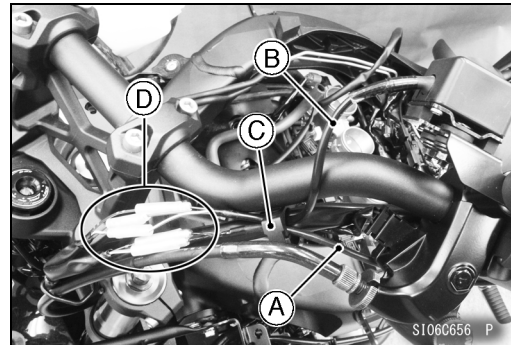
- Run the sub-harness [15] to the inside of clamp [A] and clutch cable [B].



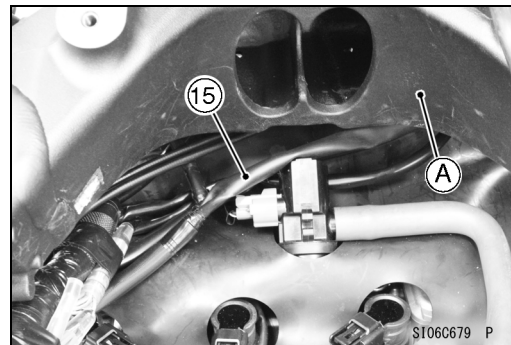
- Run the sub-harness [15] into the clamp [A].



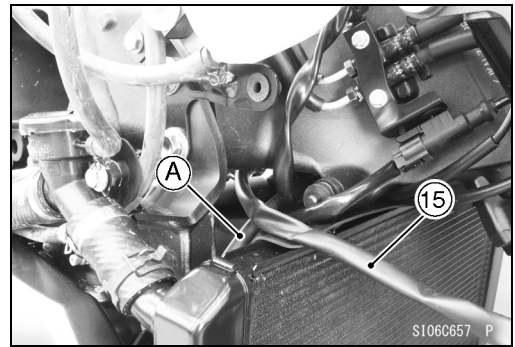
- Run the left grip heater lead [A] and heater switch lead [B] to the inside of the clamp [C].
- Connect the sub-harness connectors [D] to the left grip heater connectors and heater switch connectors as follows.  
Left Grip Heater [1]  
Heater Switch [10]  
Sub-harness [15]



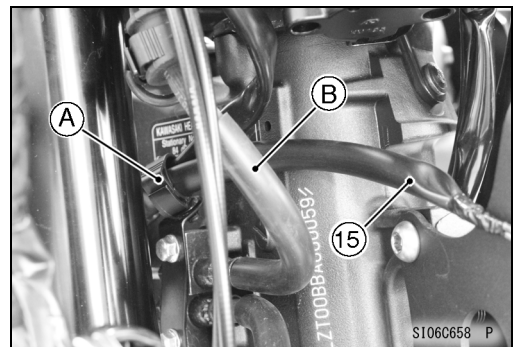
- Run the sub-harness [15] under the frame [A].



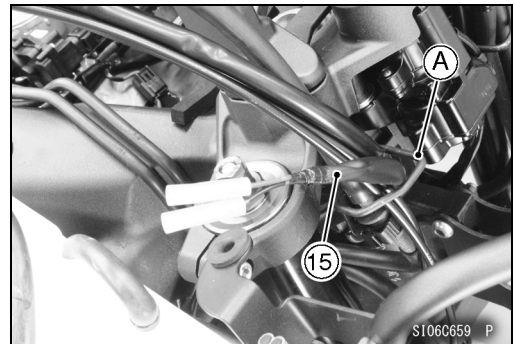
- Run the sub-harness [15] upside the clutch cable [A].



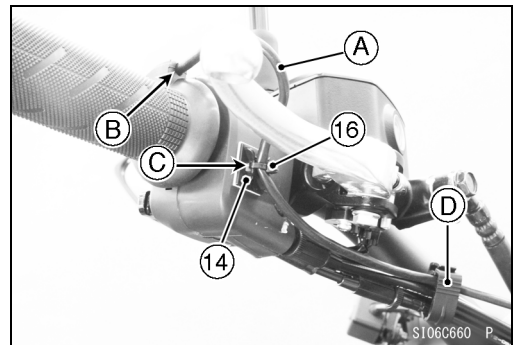
- Run the sub-harness [15] inside of clamp [A] and brake hose [B].



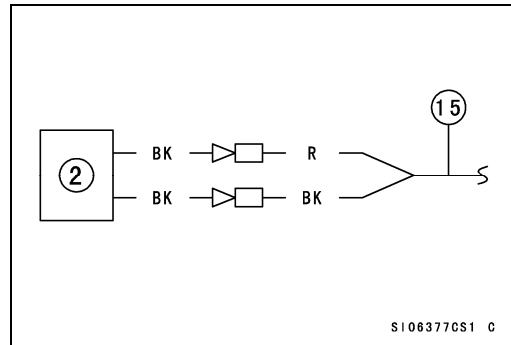
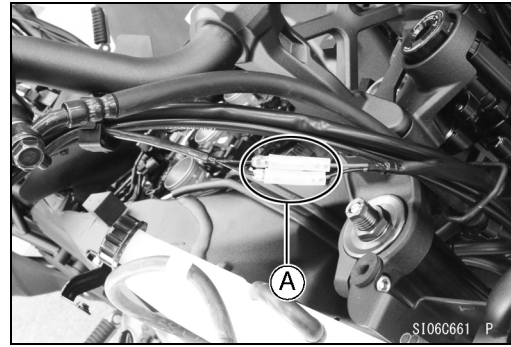
- Run the sub-harness [15] into the clamp [A].



- Install the mount base [14] on the right switch housing.
- Clamp the right grip heater lead [A] with the band [16] so that the length of the between the heater lead taking out surface [B] and clamp position [C] to be 100 mm (3.94 in.).
- Check that the throttle grip moves smoothly from full open to close.
- Run the right grip heater lead into the clamp [D].

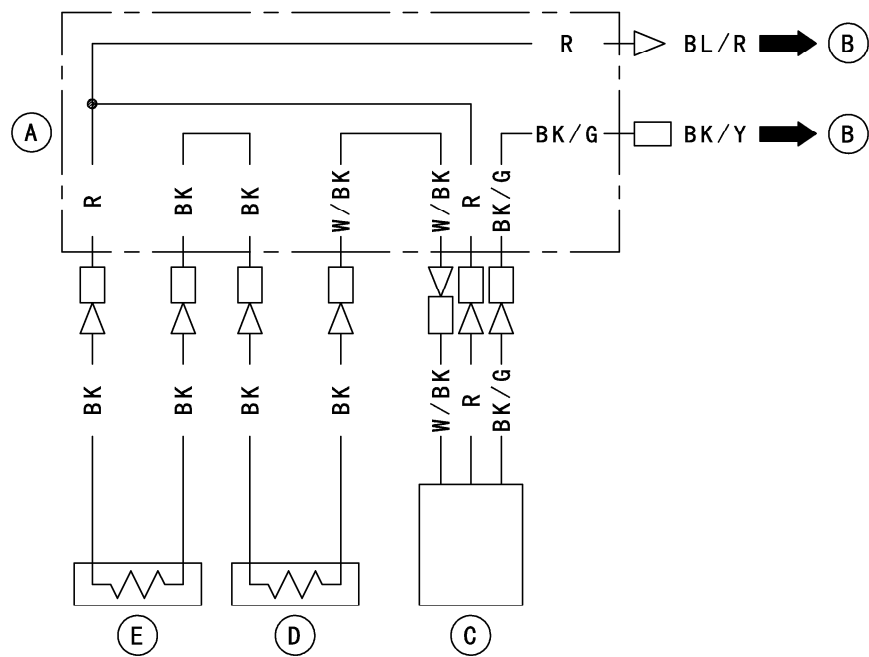


- Connect the sub-harness connectors [A] to the right grip heater connectors as follows.  
Right Grip Heater [2]  
Sub-harness [15]



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## Wiring Diagram



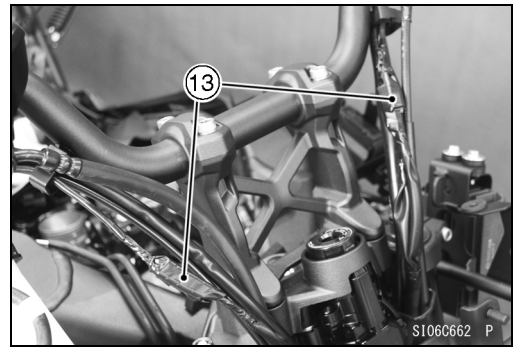
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- A. Sub-harness
- B. To Main Harness
- C. Heater Switch
- D. Left Grip Heater
- E. Right Grip Heater

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

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- Wrap the each heater connectors and heater switch connectors with the harness tape [13].



- Install the removed parts (Refer to the Service Manual).

**Please check / adjust all screws in regular intervals.**

**This grip heater is rated at 28 W.**

**When the grip heater is used at an ambient temperature of 15°C (59°F) or below , use of other accessories with electrical load capacity specified in the owner's manual of the vehicle will be allowed.**

## **NOTICE**

**Please refer to the Operating Manual (Part No. 99958-0002) for operating procedures.**

## Operation Manual

Model:	-
Description:	Grip Heater
Part Number:	-

Thank you for your purchase. This manual contains information for proper operation of the accessory parts and precautions. Read through this manual before operation for proper use of the accessory parts.

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.

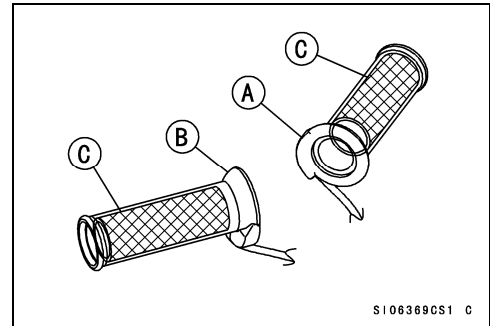
### NOTE

- This grip heater is all around type grip heater.

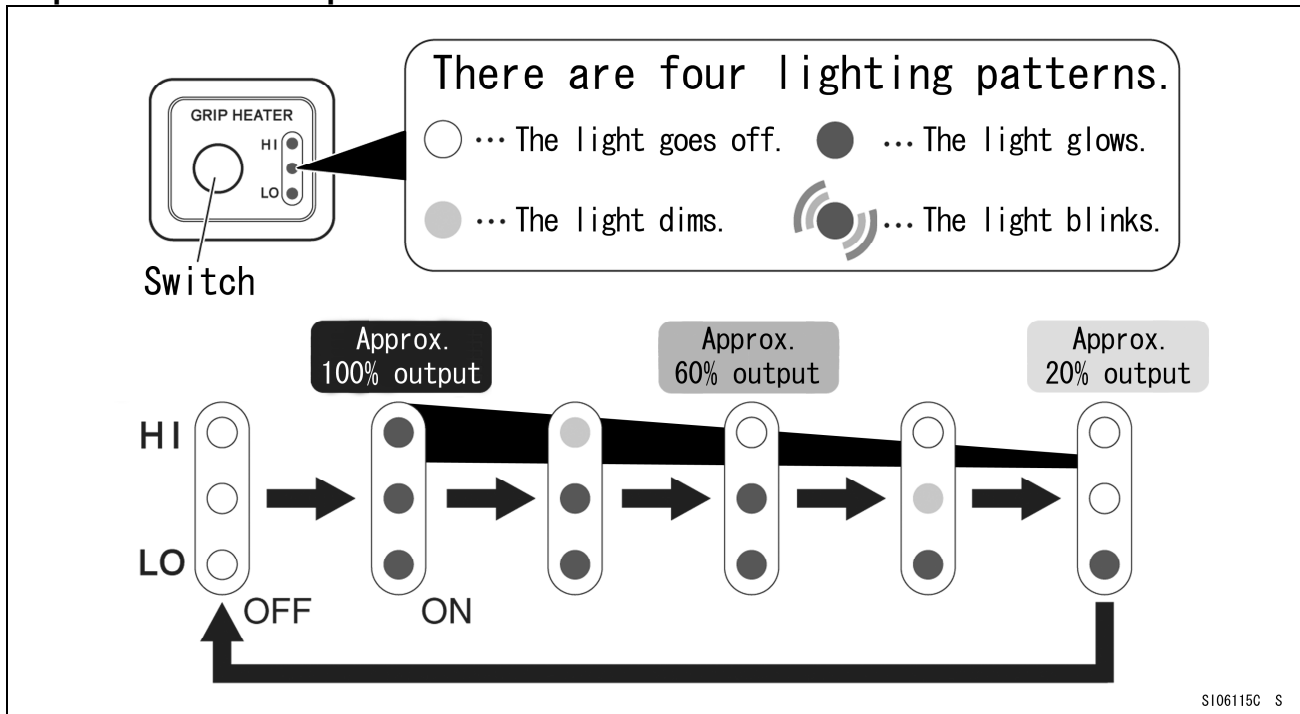
Left Grip Heater [A]  
 Right Grip Heater [B]  
 Heater Range [C]

### Specifications

Power Supply	Battery
Power Consumption	28 W at the start-up
Heater Type	FPC (Flexible Print Circuit) Heater



## Grip Heater Switch Operation



By pressing the switch the driver can turn the grip heater on/off or change the preset temperature.

- The indicator light shows the operating condition and preset temperature.
- The indicator lights have six modes which are changed by pressing the switch. The temperature can be set to five levels.
- The temperature can be adjusted in five levels between “LO” and “HI.” Set to the appropriate level according to the outside temperature or sensible temperature.
- The grip heater will be turned off when the main switch of the motorcycle has been turned off.

### **⚠ WARNING**

**Do not operate the grip heater switch during riding. Operating the switch during riding can cause the operator to lose control and the motorcycle to fall down, resulting in severe injury or death.**

### **NOTICE**

**Wear the gloves whenever using the grip heater. Handling the grip heater with bare hands can cause burn injury. When the rubber surface on the grip heater has worn or broken, replace it with a new one. Keep using the damaged grip heater can cause burn injury or electric shock. Do not use the grip heater in “HI” mode when the ambient temperature is 20°C (68°F) or higher.**

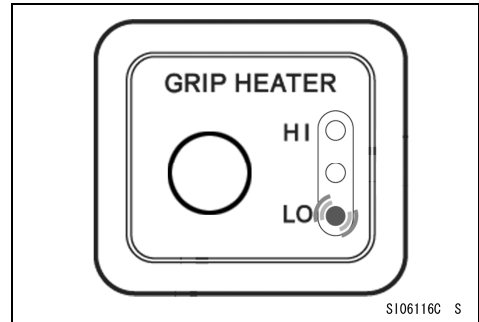
### **NOTE**

- *The grip heater is connected to the DC circuit from the battery. The IC which is activated by voltage detection is built into the heater switch to prevent battery rundown. Therefore, when the battery voltage is reduced at a stop or during slow driving (engine speed is low), the heater switch may be automatically turned off. However, once the battery voltage increases (engine speed is middle or high), the heater switch will be automatically turned on.*
- *During stop-and-go driving, the heater switch may not work depending on the battery condition.*
- *The battery is a consumable. The grip heater does not work at the end of the battery's life. Inspect the battery and replace it with a new one if necessary.*

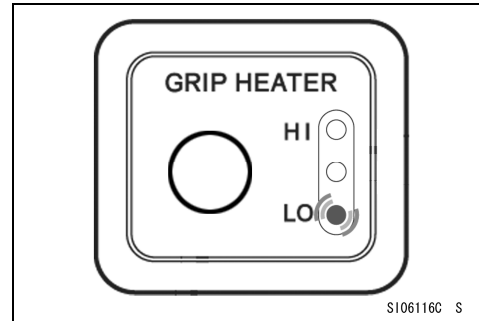
**Grip Heater Abnormal Condition**

With the ignition switch turned on, the relations between the grip heater switch, indicator light, the grip heater operating conditions, and the battery conditions are as follows.

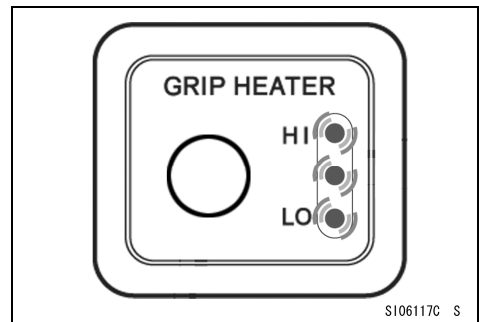
- Turn the grip heater switch OFF.
- ★ If the indicator light blinks as shown in the figure, battery voltage is too low. (This can occur at low engine RPM, when using high beam and other lights or electrical accessories.)
- Charge or replace the battery.



- Turn the grip heater switch ON.
- ★ If the indicator light blinks as shown in the figure, battery voltage is too low. (This can occur at low engine RPM, when using high beam and other lights or electrical accessories.)
- Inoperable because the “battery saver” circuit is working. The grip heater will be operable when the indicator light stops blinking with increase in battery voltage after running for a while.
- Charge or replace the battery.



- Turn the grip heater switch ON.
- ★ If the indicator lights blink as shown in the figure, no failures of the grip heater or battery.
- This lighting pattern can occur when idling is not stable.



**Troubleshooting (For Customers)**

Follow the checking procedures following table. If the grip heater does not work, consult your authorized Kawasaki dealer.

Problem	Checking Point and Measure
The grip heater does not work or cannot be adjusted.	1. Has the engine started? 2. At the above condition, does the indicator light go on between “HI” and “LO”? 3. Raise the engine speed at the above condition.
The temperature of the grip heater is low or high.	1. Has the temperature been adjusted between “HI” and “LO”? 2. Do you frequently drive at idle or low speed? 3. If the temperature is high, switch the indicator to “LO” or turn the grip heater off, or wear heavy gloves.
The whole grip heater does not get warm.	1. This is normal. (To warm finger tips, the heater distribution is concentrated in the finger tip area.)