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## SERVICE INFORMATION

### GENERAL INSTRUCTIONS

- An electric tester is needed to measure or test the electric equipment.
- Be sure to use fuses and bulbs of the same specifications to avoid damage of electrical equipment.
- After installation of each switch, a continuity check must be performed. A continuity check can usually be made without removing the part from the motorcycle.

## TROUBLESHOOTING

### Lights do not come on when ignition switch is "ON"

- Burned bulb
- Faulty switch
- Broken wire
- Fuse burned out
- Weak battery
- Poorly connected or shorted wire
- Faulty winker

### Light dims

- Faulty ignition coil
- Wire or switch resistance too high
- Faulty regulator/rectifier

### Headlight does not change when dimmer switch is turn to Hi or Lo

- Faulty or burned bulb
- Faulty dimmer switch

### Fuel gauge pointer does not register correctly

- Disconnected wire or connector
- Broken wire
- Faulty float
- Faulty fuel unit
- Faulty instrument

### Fuel gauge pointer fluctuates or swings

- Loose wire connection
- Faulty fuel unit
- Faulty instrument

# 17. LIGHTS/INSTRUMENTS/SWITCHES

FILLY LX 50

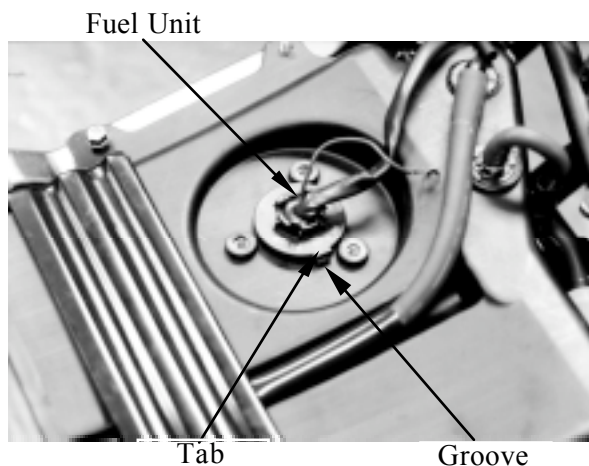
## FUEL UNIT

- \* **No Smoking!**

### REMOVAL

Remove the met-in box. (⇒2-3)  
Remove the frame right side cover. (⇒2-4)  
Disconnect the fuel unit wire connector.  
Turn the fuel unit retainer counterclockwise to remove it.

- \* Do not damage the fuel unit wire.



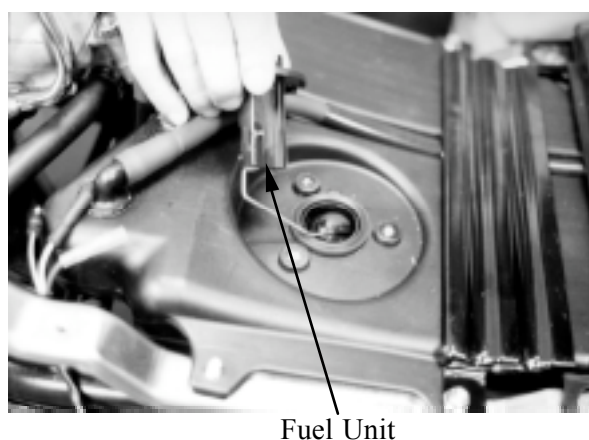
Remove the fuel unit.

- \* Be careful not to bend or damage the fuel unit float arm.

### INSTALLATION

The installation sequence is the reverse of removal.

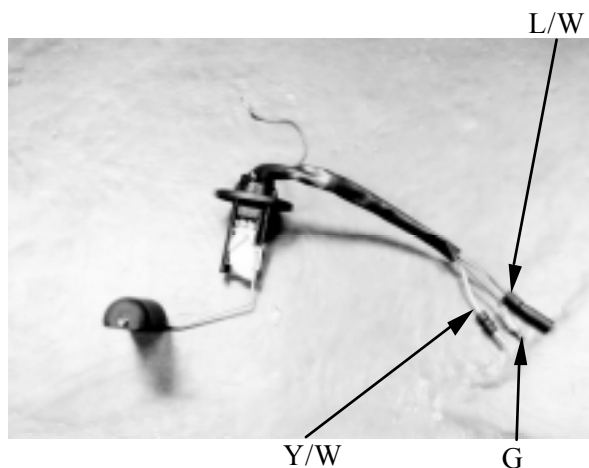
- \* Align the groove on the fuel unit with the tab on the fuel tank.
- \* Align the arrow on the retainer with the arrow on the fuel tank.
- \* Turn the retainer clockwise to secure it.



### INSPECTION

Remove the fuel unit.  
Measure the resistance between the fuel unit wire terminals with the float at upper and lower positions.

Wire Terminals	Upper	Lower
G_ Y/W	30Ω	686Ω
G_ L/W	566Ω	153Ω
Y/W_ L/W	599Ω	599Ω



### FUEL GAUGE INSPECTION

Connect the fuel unit wire connector and turn the ignition switch "ON".

- \* Before performing the following test, operate the turn signals to determine that the battery circuit is normal.

Check the fuel gauge needle for correct indication by moving the fuel unit float up and down.

Float Position	Needle Position
Upper	"F" (Full)
Lower	"E" (Empty)



# 17. LIGHTS/INSTRUMENTS/SWITCHES

FILLY LX 50

## HANDLEBAR SWITCHES

### INSPECTION

Remove the handlebar front cover. (⇒2-2)  
Disconnect the handlebar switch couplers and check for continuity between wire terminals. If there is any abnormality found, check each switch.

### HEADLIGHT SWITCH

Color	Yellow	Brown	Pink	Yellow	Blue/White
	○	—	○	○	
☰☐☑☒☓	○	—	○	○	
☼	○	○		○	○

\* Use the X1□ range for test when using an electric tester.

### STARTER SWITCH

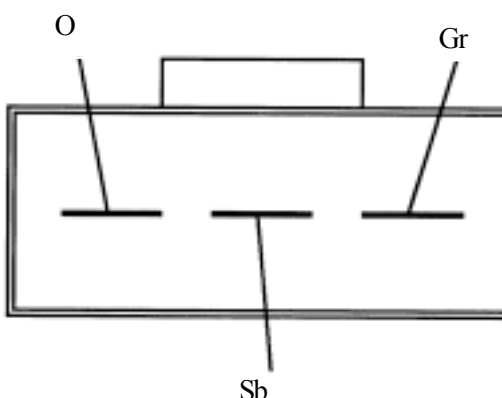
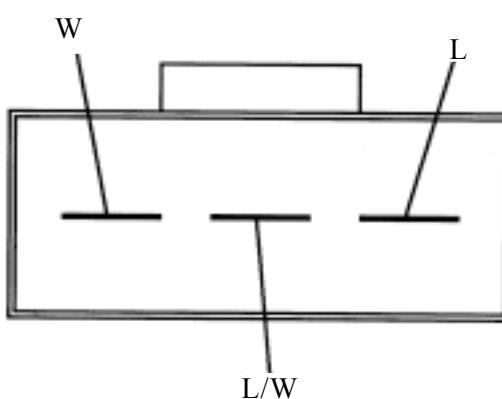
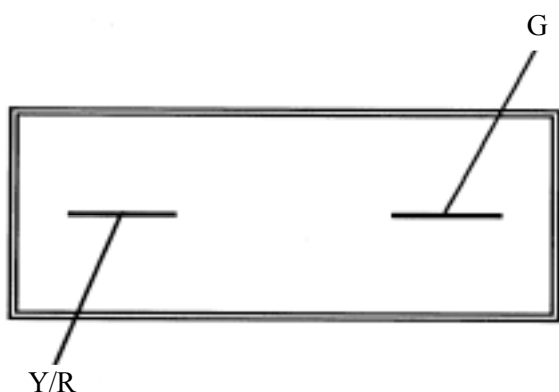
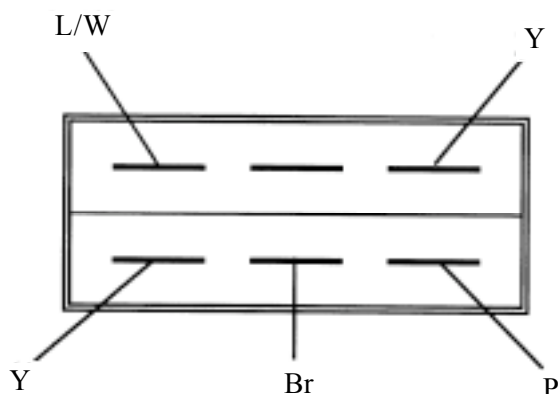
Color	Yellow/Red	Green
FREE		
PUSH	○	○

### DIMMER SWITCH

Color	White	Blue/White	Blue
☰☐☑☒☓	○	○	
☼		○	○

### TURN SIGNAL SWITCH

Color	Gray	Light Blue	Orange
R	○	○	
N			
L	○		○



## HORN SWITCH

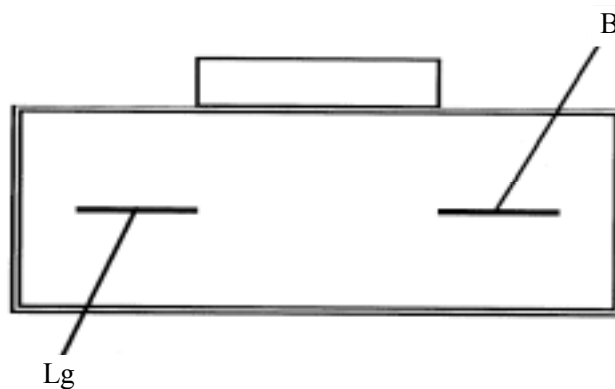
Color	Light Green	Black
FREE		
PUSH	○ —	— ○

## SWITCH REPLACEMENT

Remove the front covers. (⇒2-2)

Remove the handlebar front cover. (⇒2-2)

The installation sequence is the reverse of removal.



## IGNITION SWITCH

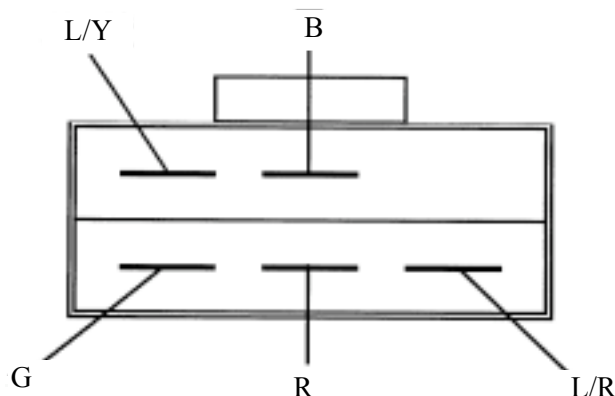
### INSPECTION

Remove the front covers. (⇒2-2)

Disconnect the ignition switch wire coupler.

Check for continuity between the wire terminals.

Color	Black	Red	Blue/ Yellow	Green
OFF			○ —	— ○
ON	○ —	— ○		
LOCK			○ —	— ○



## IGNITION SWITCH REPLACEMENT

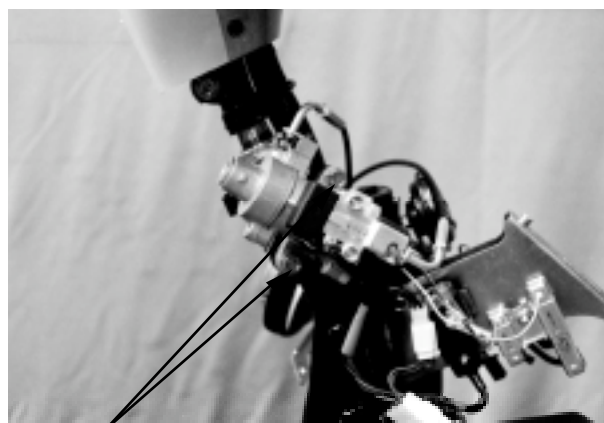
Remove the front covers. (⇒2-2)

Disconnect the ignition switch wire coupler.

Remove the two mounting bolts to remove the ignition switch decorative ring and holder.

Remove the two screws to remove the ignition switch from the ignition switch holder for replacement.

The installation sequence is the reverse of removal.



Bolts

### STOP SWITCH

#### INSPECTION

Remove the handlebar front cover. (⇒2-2)

Disconnect the front stop switch wire coupler.

Check for continuity between the wire terminals when the front brake lever is applied. The switch is normal if there is continuity.

Disconnect the rear stop switch wire coupler.

Check for continuity between the wire terminals when the rear brake lever is applied. The switch is normal if there is continuity.



Coupler

### HORN

#### INSPECTION

Remove the front covers. (⇒2-2)

Disconnect the horn wire coupler.

The horn is normal if it sounds when a 12V battery is connected across the horn wire terminals.

#### REPLACEMENT

Disconnect the horn wire coupler.

Remove the two bolts attaching the horn.

Remove the horn.

The installation sequence is the reverse of removal.



### INSTRUMENTS

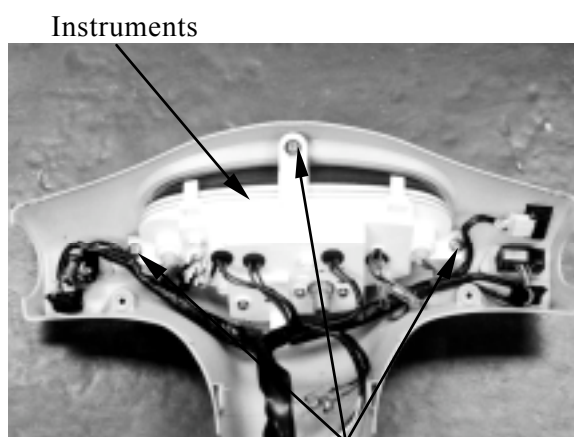
Remove the handlebar front cover. (⇒2-2)

Remove the handlebar rear cover. (⇒2-2)

Disconnect the handlebar switch couplers.

Remove the three screws to remove the instruments.

Install a new horn in the reverse order of removal.



Instruments

Screws

### HEADLIGHT

#### REMOVAL

Remove the handlebar front cover. (⇒2-2)  
 Remove the headlight adjusting screw.  
 Remove the anchor pin on the headlight to remove the headlight.  
 The installation sequence is the reverse of removal.

\*

- Align the tab on the headlight with the groove on the handlebar cover.
- After installation, adjust the headlight beam. (⇒3-9)



Adjusting Screw

#### BULB REPLACEMENT

Remove the handlebar front cover. (⇒2-2)  
 Remove the headlight and front turn signal light and replace with new bulbs.  
 The installation sequence is the reverse of removal.



Headlight Bulb

#### TAILLIGHT/S TOP LIGHT/REAR TURN SIGNAL LIGHT/LICENSE LIGHT

Remove the two screws attaching the rear protector molding.  
 Remove the rear protector molding and remove the two nuts attaching the rear light shell.  
 Remove the rear turn signal light bulb and replace with a new one.  
 The installation sequence is the reverse of removal.



Nuts