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## SERVICE INFORMATION

### GENERAL

- Some wires have different colored bands around them near the connector. These are connected to other wires which correspond with the band color.
- All plastic plugs have locking tabs that must be released before disconnecting, and must be aligned when reconnecting.
- The following color codes used are indicated throughout this section and on the wiring diagram.

L = Blue  
 B = Black  
 Br = Brown

G = Green  
 Gr = Grey  
 Lb = Light Blue

Lg = Light Green  
 O = Orange  
 P = Pink

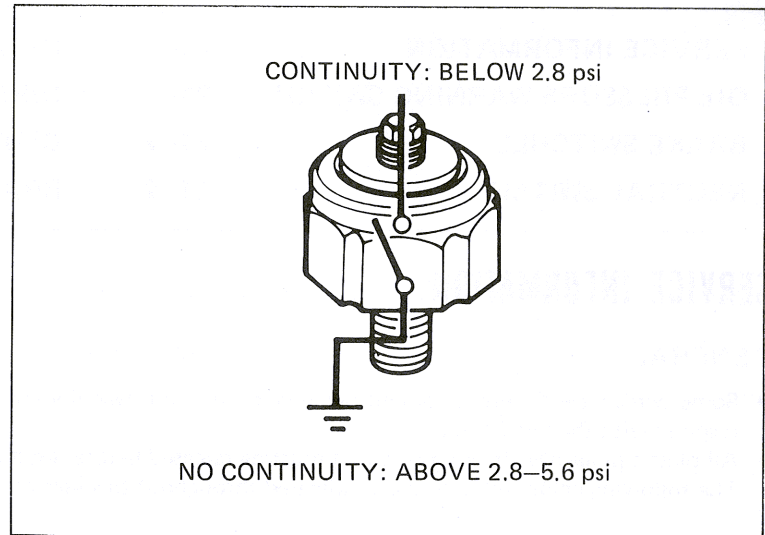
R = Red  
 W = White  
 Y = Yellow

- To isolate an electrical failure, check the continuity of the electrical path through the part. A continuity check can usually be made without removing the part from the motorcycle. Simply disconnect the wires and connect a continuity tester or volt-ohmmeter to the terminals or connections.
- A continuity tester is useful when checking to find out whether or not there is an electrical connection between the two points. An ohmmeter is needed to measure the resistance of a circuit, as when there is a specific coil resistance involved, or when checking for high resistance caused by corroded connections.



## OIL PRESSURE WARNING SWITCH

Check for continuity while applying pressure to the switch. Replace the switch if necessary.  
Apply a liquid sealant to the switch threads before reinstalling.

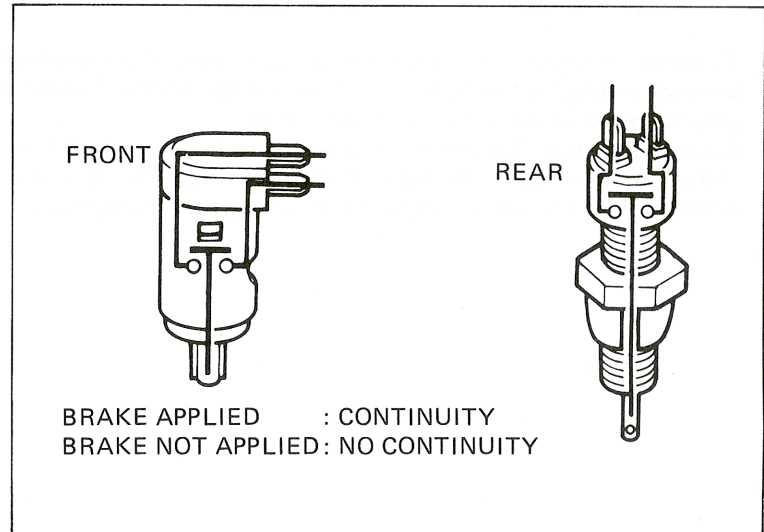


## BRAKE SWITCHES

Check the rear brakelight switch for continuity with the rear brake applied.

Check the front brakelight switch for continuity with the front brake applied.

Replace the switches if necessary.

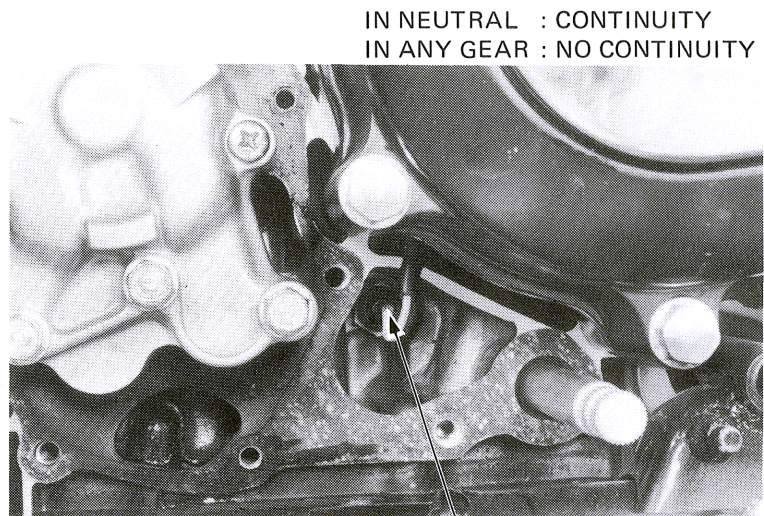


## NEUTRAL SWITCH

Remove the foot pegs, gearshift pedal and left rear crankcase cover.

Check the switch for continuity between the switch terminal (wire removed) and ground with the transmission in neutral and with the transmission in any gear.

Replace the neutral switch if necessary.

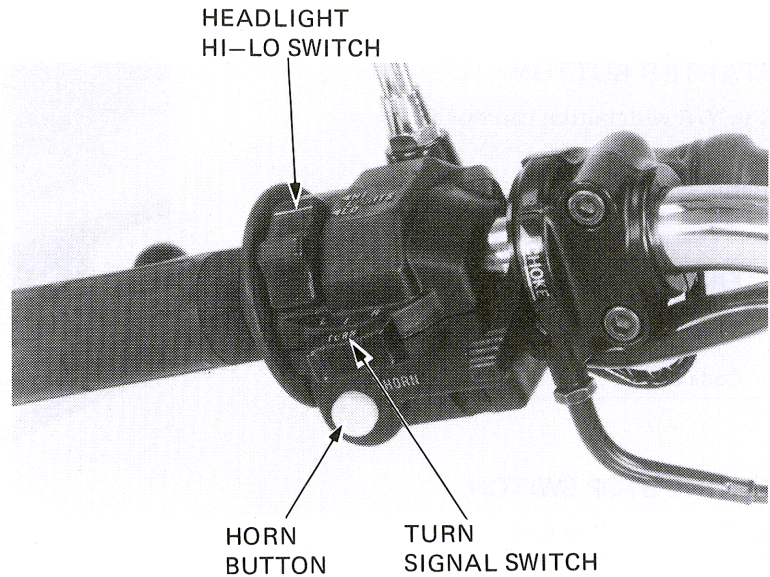


NEUTRAL  
SWITCH



### HANDLEBAR SWITCHES

The handlebar cluster switches (lights, turn signals, horn) must be replaced as assemblies. Continuity tests for the components of the handlebar cluster switches follow: Continuity should exist between the color coded wires on each chart.



#### HEADLIGHT HI-LOW SWITCH

HI: L/W to L  
 MIDDLE (N): L/W to L to W  
 LO: L/W to W

Headlight Hi-Low Switch

	HL	Hi	Lo
Hi	○ — ○		
(N)	○ — ○ — ○		
Lo	○ — ○ — ○		
Code color	L/W	L	W

#### TURN SIGNAL SWITCH

LEFT: Gr to O, Br/W to Lb/W  
 OFF: No continuity  
 RIGHT: Gr to Lb, Br/W to O/W

Turn Signal Switch

	W	L	R
LEFT	○ — ○		
OFF			
RIGHT	○ — ○		
Code color	Gr	O	Lb

#### HORN BUTTON

LG to G with button depressed  
 No continuity with button released

Horn Button

	Ho	E
Code color	Lg	G



**SWITCHES**

**STARTER BUTTON**

B to Y/R with button depressed.

**Starter Button**

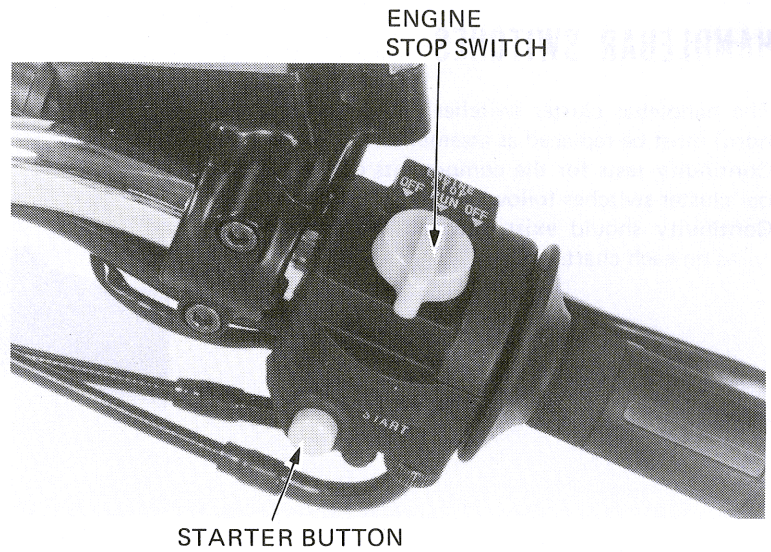
	BAT <sub>2</sub>	ST
FREE		
START	○ — ○	
Code color	B	Y/R

**ENGINE STOP SWITCH**

RUN: B to B/W  
OFF: No continuity

**Engine Stop Switch**

	BAT <sub>2</sub>	IG
OFF		
RUN	○ — ○	
OFF		
Code color	B	B/W



ENGINE STOP SWITCH

STARTER BUTTON

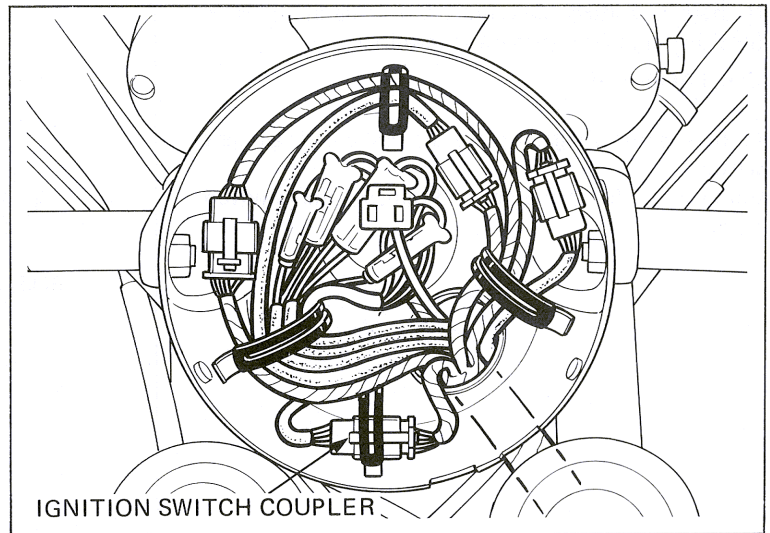


### IGNITION SWITCH

Remove the headlight and disconnect the coupler.

Check continuity of the terminals on the ignition switch in each switch position.

	BAT <sub>1</sub>	IG	TL <sub>1</sub>	TL <sub>2</sub>	PA
OFF					
ON	○—○	○—○			
P	○				○
COLOR	R	B	Br/W	Br	Br



### CLUTCH SWITCH

Check continuity of the clutch lever (safety) switch with the clutch released and applied.

Replace if necessary.

**CLUTCH LEVER OUT: CONTINUITY**

**CLUTCH LEVER IN: NO CONTINUITY**

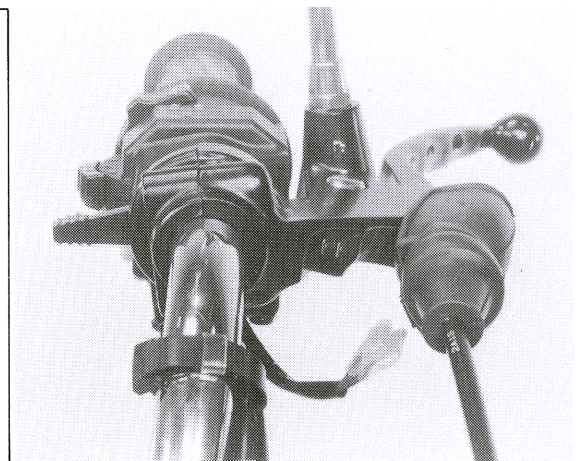
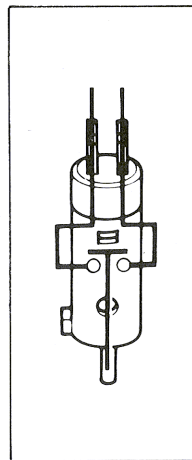
#### REMOVAL

Unplug the wires and remove the clutch lever and cable.

Remove the switch.

#### NOTE

The switch case has a small protrusion that must point toward the handlebar when installed.



### BRAKE AND TAILLIGHT SENSOR

#### TAILLIGHT CIRCUIT

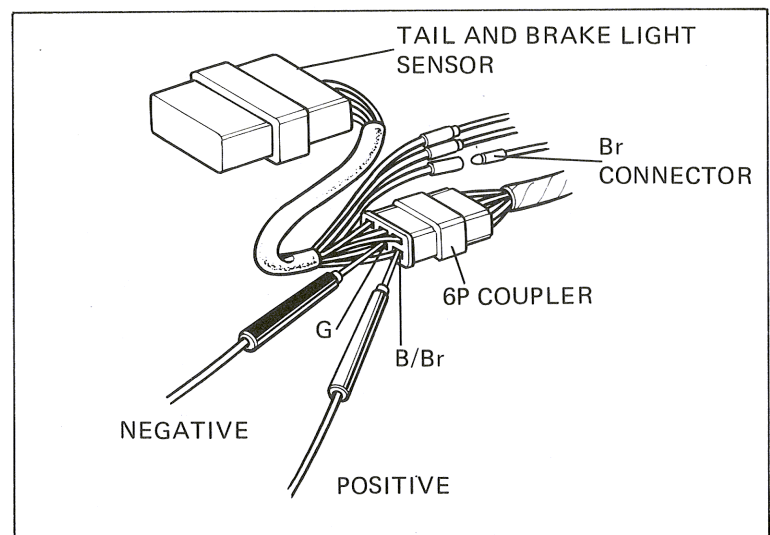
Remove the seat.

Disconnect the Br connector of the brake and tail-light sensor connectors.

Turn the ignition switch ON, check that the brake and taillight warning pilot lamp comes on.

If the warning light does not come on check voltage at the B/Br and G terminals of the brake and tail-light sensor coupler (6P).

If there is no voltage, check and repair the circuit wiring and connections.





**SWITCHES**

If there is voltage, measure the voltage at the W/Y (positive) and G/Y (negative) terminals.

**VOLTAGE: 5 V**

If there is no voltage, replace the brake and tail light sensor.

Connect the Br connector and reinstall the removed parts.

