

19.6 Remove the small screw and disconnect the wires, then remove three larger screws and remove the switch

19 Neutral switch - check and replacement

Check

- 1 Make sure the transmission is in neutral.
- 2 Follow the switch harness (it comes from behind the engine sprocket cover on the left side of the engine) to its connector, then unplug the connector.
- 3 Locate the sky blue wire's terminal in the harness side of the connector (not the side of the connector that goes to the neutral switch). Connect the terminal to ground (earth) (bare metal on the motorcycle frame) with a short length of wire. Turn the ignition switch On.
 - a) If the light stays out, check the bulb and the wiring between the ignition switch and neutral switch.
 - b) If the neutral indicator light comes on, the neutral switch may be bad. Connect an ohmmeter between the sky blue terminal in the switch side of the connector and ground (earth). Shift through the gears. The ohmmeter should indicate continuity in neutral and infinite resistance in all other gears. If not, replace the neutral switch.

Replacement

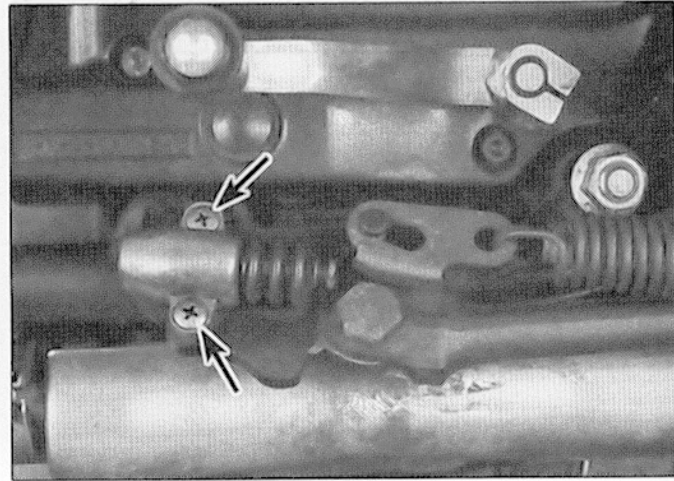
Refer to illustration 19.6

- 4 Remove the engine sprocket cover (see Chapter 6).
- 5 Unplug the electrical connector (if you haven't already done so). Unbolt the wiring harness retainers from the crankcase and oil pan.
- 6 Loosen the screw and disconnect the wire from the switch (see illustration). Remove the switch mounting screws and detach the switch from the crankcase.
- 7 Installation is the reverse of the removal steps. Be sure to install a new O-ring and/or gasket when you reinstall the switch.

20 Sidestand switch - check and replacement

Check

- 1 Follow the wiring harness from the switch to the connector, then unplug the connector. Connect the leads of an ohmmeter to the wire terminals. With the sidestand in the up position, there should be continuity through the switch (0 ohms).
- 2 With the sidestand in the down position, the meter should indicate infinite resistance.
- 3 If the switch fails either of these tests, replace it.



20.4 The sidestand switch is secured by two screws (arrows)

Replacement

Refer to illustration 20.4

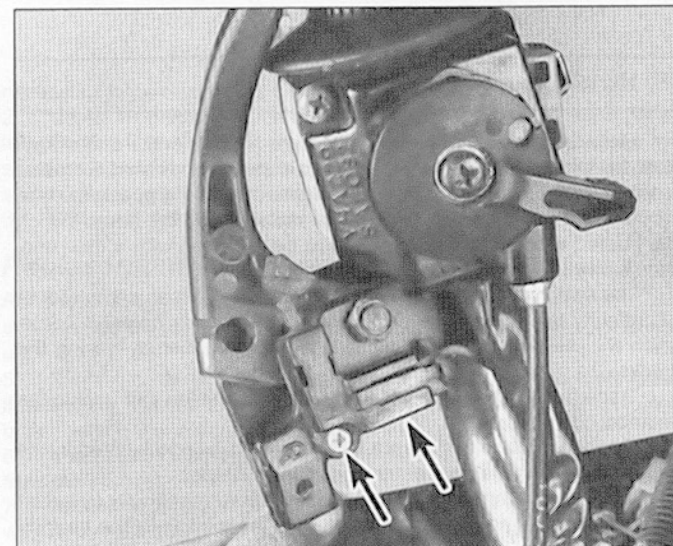
- 4 With the sidestand in the up position, unscrew the two screws and remove the switch (see illustration). Disconnect the switch electrical connector.
- 5 Installation is the reverse of the removal procedure.

21 Clutch switch - check and replacement

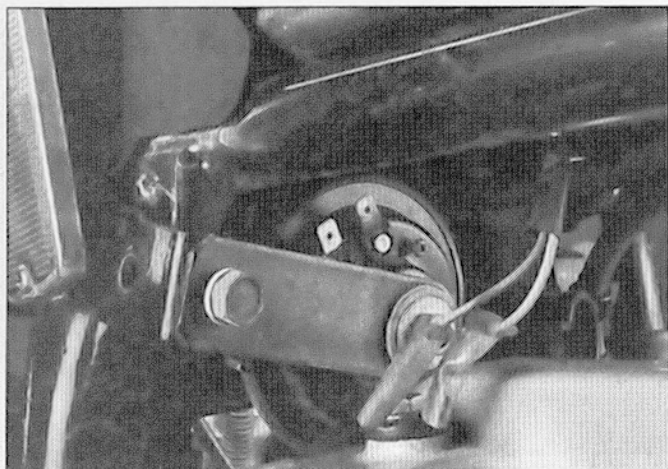
Refer to illustration 21.1

Check

- 1 Disconnect the electrical connector from the clutch switch (see illustration).
- 2 Connect an ohmmeter between the terminals in the clutch switch. With the clutch lever pulled in, the ohmmeter should show continuity (little or no resistance). With the lever out, the ohmmeter should show infinite resistance.
- 3 If the switch doesn't check out as described, replace it.



21.1 Disconnect the electrical connector and remove the screw (arrows) to remove the clutch switch



22.1 Disconnect the wires and remove the bracket bolt to detach the horn

Replacement

4 If you haven't already done so, unplug the wiring connector. Remove the mounting screw and take the switch off (see illustration 21.1).

5 Installation is the reverse of removal.

22 Horn - check and replacement

Check

Refer to illustration 22.1

1 Unplug the electrical connectors from the horn (see illustration). Using two jumper wires, apply battery voltage directly to the terminals on the horn. If the horn sounds, check the switch (see Section 18) and the wiring between the switch and the horn (see the wiring diagrams at the end of this Chapter).

2 If the horn doesn't sound, replace it.

Replacement

3 Unbolt the horn bracket from the lower triple clamp (see illustration 22.1) and detach the electrical connectors.

4 Unbolt the horn from the bracket and transfer the bracket to the new horn.

5 Installation is the reverse of removal.

23 Starter relay - check and replacement

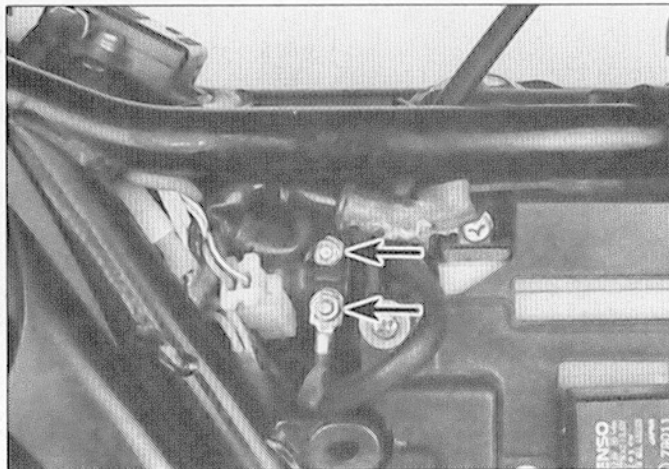
Check

Refer to illustration 23.3

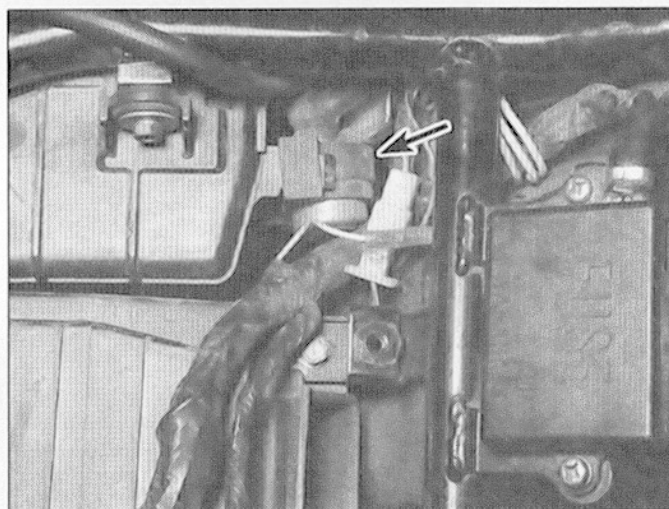
1 Remove the seat (see Chapter 7) and the fuel tank (see Chapter 3). Remove the side cover on the left side of the motorcycle (see Chapter 7).

2 Disconnect the starter cable from the starter motor (see illustration 24.6). Raise the sidestand. With the ignition switch On, the engine kill switch in Run and the transmission in neutral, press the starter switch. The relay should click.

3 If the relay doesn't click, disconnect the battery negative cable from the battery, then disconnect the positive cable from the battery and the relay (see illustration). Disconnect the thin wire and remove the relay. Connect one lead of an ohmmeter to the terminal stud that the battery positive cable was connected to. Connect the other lead to the terminal on the thin wire. If the reading isn't within the range listed in this chapter's Specifications, replace the relay.



23.3 Unplug the wiring connector, then remove the nuts (arrows) and disconnect the cables . . .



23.5 . . . and slide the starter relay (arrow) off its mounting tabs

Replacement

Refer to illustration 23.5

4 Disconnect the cable from the negative terminal of the battery.

5 Detach the battery positive cable, the starter cable and electrical connector from the relay (see illustration).

6 Slide the relay off its mounting tabs.

7 Remove the relay from its rubber mounting.

8 Installation is the reverse of removal. Reconnect the negative battery cable after all the other electrical connections are made.

24 Starter motor - removal and installation

Removal

Refer to illustrations 24.6, 24.7 and 24.8

FZ600 models

1 Remove the center and lower fairing panels, the seats and the side covers (see Chapter 7).

2 Remove the air cleaner air box mounting bolts. Loosen the clamp screws that attach the carburetor air hoses to the air box and slide it backwards.