

2. STARTING MOTOR SAFETY UNIT

• Description

The starting motor safety unit operates in the way that the starting motor functions only when the transmission is in neutral or while the clutch lever is being squeezed in any gear position, assuring rider safety and preventing damage of the motor and transmission gears.

• Circuits and operations

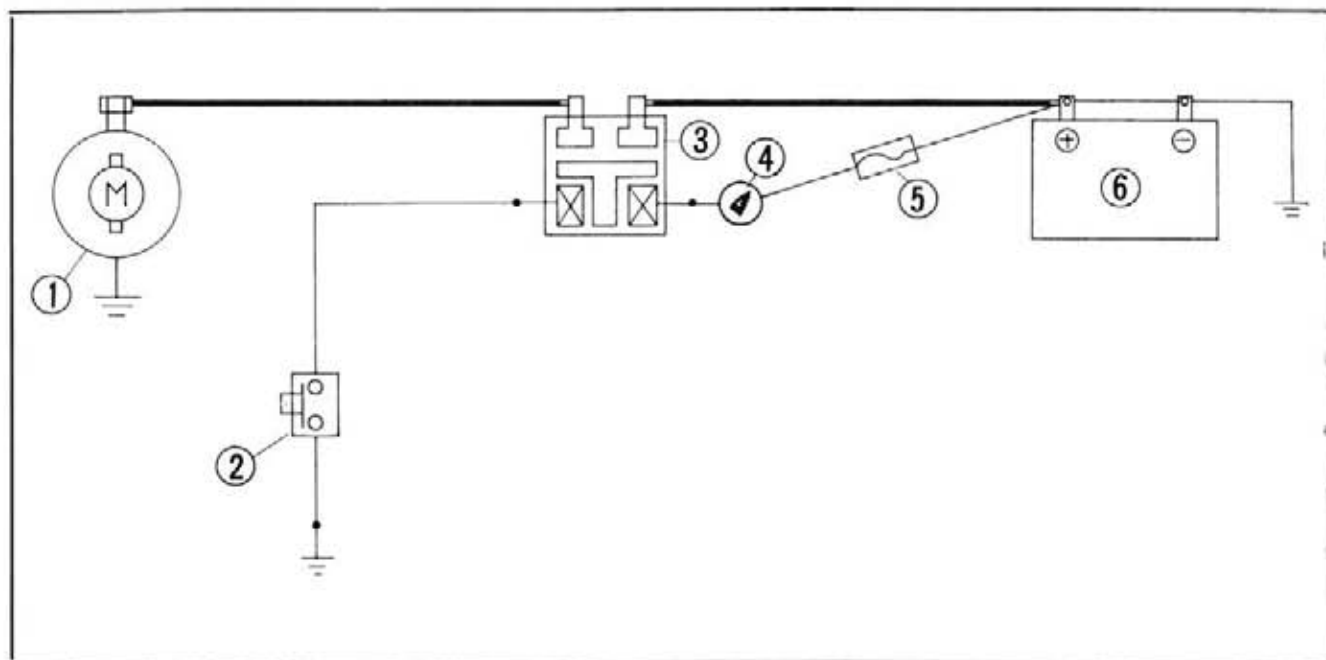


Fig. 20-82 Circuit of models without safety unit

- | | |
|---------------------------|---------------|
| ① Starting motor | ④ Main switch |
| ② Starter button switch | ⑤ Fuse |
| ③ Starter magnetic switch | ⑥ Battery |

When the engine switch is turned on, some amount of electricity is usually applied to the starter magnetic switch coil. If the starter button switch is then turned on, the starter magnetic switch will operate to cause the starting motor to turn. In other words, the motorcycle begins to move when the main switch and starter button switch are turned on with the transmission in gear.