EAS00794
TROUBLESHOOTING

- **Any of the following fail to light: flasher light, brake light or an indicator light.**
- **The horn fails to sound.**

Check:
1. main, signaling system, hazard lighting, windshield motor and backup fuses
2. battery
3. main switch
4. wiring connections
   (of the entire signaling system)

NOTE:
- Before troubleshooting, remove the following part(s):

1) fuel tank
2) front cowling assembly
3) air filter case

- Troubleshoot with the following special tool(s).

Pocket tester
90890-03112

EAS00738

1. Main, signaling system, hazard lighting, windshield motor and backup fuses

- Check the main, signaling system, hazard lighting, windshield motor and backup fuses for continuity.
  Refer to “CHECKING THE FUSES” in chapter 3.
- Are the main, signaling system, hazard lighting, windshield motor and backup fuses OK?

YES

NO → Replace the fuse(s).

EAS00739

2. Battery

- Check the condition of the battery.
  Refer to “CHECKING AND CHARGING THE BATTERY” in chapter 3.

Minimum open-circuit voltage
12.8 V or more at 20°C

- Is the battery OK?

YES

NO →
- Clean the battery terminals.
- Recharge or replace the battery.

EAS00749

3. Main switch

- Check the main switch for continuity.
  Refer to “CHECKING THE SWITCHES”.
- Is the main switch OK?

YES

NO → Replace the main switch.

EAS00795

4. Wiring

- Check the entire signal system’s wiring.
  Refer to “CIRCUIT DIAGRAM”.
- Is the signaling system’s wiring properly connected and without defects?

YES → Check the condition of each of the signaling system’s circuits. Refer to “CHECKING THE SIGNALING SYSTEM”.

NO → Properly connect or repair the signaling system’s wiring.

EAS00796
CHECKING THE SIGNALING SYSTEM

1. The horn fails to sound.

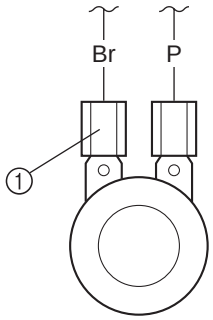
1. Horn switch
- Check the horn switch for continuity. Refer to “CHECKING THE SWITCHES”.
- Is the horn switch OK?

YES → 2. Voltage

NO → Replace the left handlebar switch.

2. Voltage
- Connect the pocket tester (DC 20 V) to the horn connector at the horn terminal as shown.

Tester positive probe → brown ①
Tester negative probe → ground

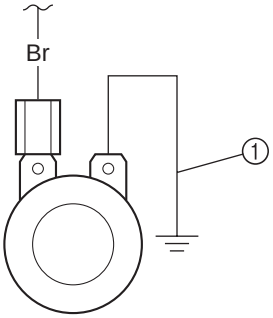


- Set the main switch to “ON”.
- Measure the voltage (12 V) of black/white at the horn terminal.
- Is the voltage within specification?

YES → The wiring circuit from the main switch to the horn connector is faulty and must be repaired.

NO → 3. Horn

3. Horn
- Disconnect the black connector at the horn terminal.
- Connect a jumper lead ① to the horn terminal and ground the jumper lead.
- Set the main switch to “ON”.
- Does the horn sound?



NO → Replace the horn.

YES → The horn is OK.

EAS00797
2. The tail/brake light fails to come on.

1. Tail/brake light bulb and socket
- Check the tail/brake light bulb and socket for continuity.
- Are the tail/brake light bulb and socket OK?

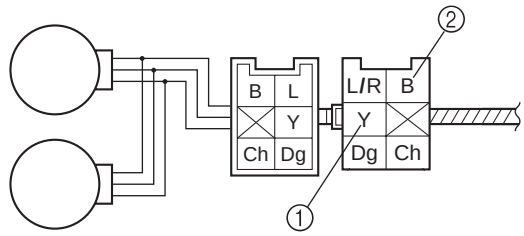
YES → NO: Replace the tail/brake light bulb, socket or both.

2. Brake light switches
- Check the brake light switches for continuity.
  Refer to “CHECKING THE SWITCHES”.
- Is the brake light switch OK?

YES → NO: Replace the brake light switch.

3. Voltage
- Connect the pocket tester (DC 20 V) to the tail light assembly coupler (wire harness side) as shown.

Tester positive probe → yellow ①
Tester negative probe → black ②



- Set the main switch to “ON”.
- Pull in the brake lever or push down on the brake pedal.
- Measure the voltage (12 V) of yellow ① on the tail light assembly coupler (wire harness side).
- Is the voltage within specification?

YES → This circuit is OK.

NO → The wiring circuit from the main switch to the tail light assembly coupler is faulty and must be repaired.