2WD/4WD SELECTING SYSTEM

TROUBLESHOOTING

IF THE 4WD INDICATOR LIGHT FAIL TO COME ON:

Procedure
Check:
1. Fuse (main)
2. Battery
3. Main switch
4. 2WD/4WD selecting switch
5. Gear motor
6. Wiring connections
   (the entire 2WD/4WD selecting system)

NOTE:
- Remove the following part(s) before troubleshooting:
  1) Seat
  2) Front carrier
  3) Front fender
- Use the following special tool(s) for troubleshooting.

Pocket tester:
P/N. YU-03112, 90890-03112

1. Fuse (main)
Refer to "SWITCH INSPECTION".

NO CONTINUITY
CONTINUITY
Replace the fuse.

2. Battery
Check the battery condition.
Refer to "BATTERY INSPECTION" in CHAPTER 3.
Open-circuit voltage:
12.8 V or more at 20 °C (68 °F)

INCORRECT

CORRECT

3. Main switch
Refer to "SWITCH INSPECTION".

INCORRECT

CORRECT
†

• Replace main switch.
2WD/4WD SELECTING SYSTEM

4.2WD/4WD select switch
Refer to “SWITCH INSPECTION”.

CORRECT

INCORRECT
Replace 2WD/4WD select switch.

5. Gear motor
- Check that the shift fork sliding gear is in the 2WD position.
- Disconnect the gear motor coupler.
- Remove the gear motor from the differential gear case.
- Connect the battery (12 V) to the gear motor terminals.

2WD → 4WD:
Battery (+) terminal → Brown terminal ①
Battery (-) terminal → Sky blue terminal ②

4WD → 2WD:
Battery (+) terminal → Sky blue terminal ②
Battery (-) terminal → Blue/Black terminal ③

- Make sure that the drive gear (shift fork sliding gear) operates correctly.

NOTE:
When installing the differential gear case in the gear motor, refer to CHAPTER 1 “FEATURES”.

CORRECT

INCORRECT
- Replace the gear motor.

POOR CONNECTION

6. Wiring connection
- Check the connections of the entire 2WD/4WD selecting system.
Refer to “CIRCUIT DIAGRAM”.

Properly connect the 2WD/4WD selecting system.