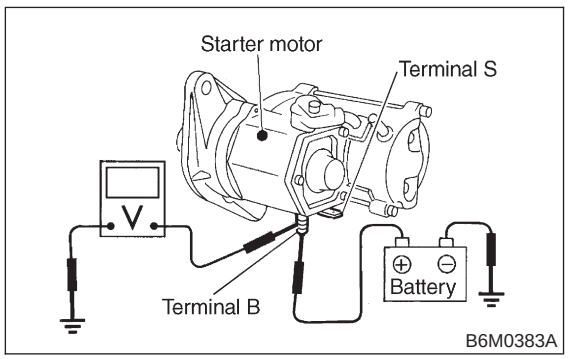
1. Starter Interlock System (MT Model)

A: DIAGNOSTICS PROCEDURE

1A1 : CHECK MAIN POWER SUPPLY FOR STARTER MOTOR.

Measure voltage between starter motor terminal B and chassis ground.

Connector & terminal
Terminal B (+) — Chassis ground (−):

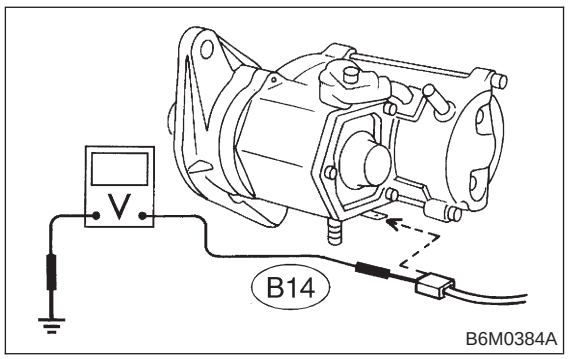


CHECK : ***Is the voltage more than 10 V?***
YES : Go to step **1A2**.
NO : Repair wiring harness.

1A2 : CHECK POWER SUPPLY FOR MAGNET COIL OF STARTER MOTOR.

1) Disconnect all connectors from starter motor.
2) Turn ignition switch to ST (START).
3) Depress clutch pedal.
4) Measure voltage between starter motor terminal S connector and chassis ground.

Connector & terminal
(B14) (+) — Chassis ground (−):

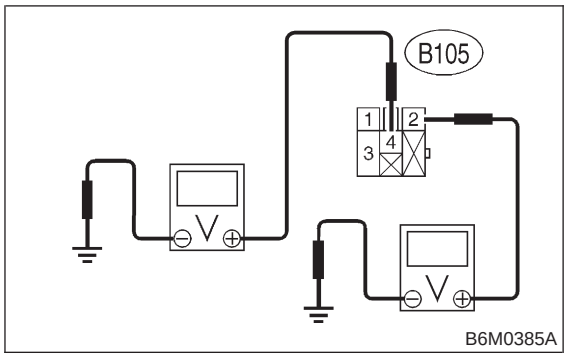


CHECK : ***Is the voltage more than 10 V?***
YES : Go to step **1A3**.
NO : Repair or replace starter motor.

1A3 : CHECK POWER SUPPLY FOR STARTER INTERLOCK RELAY.

1) Disconnect all connectors from starter motor.
2) Disconnect connector of starter interlock relay.
3) Turn ignition switch to ST (START).
4) Measure voltage between starter interlock relay connector and chassis ground.

Connector & terminal
(B105) No. 2 (+) — Chassis ground (−):

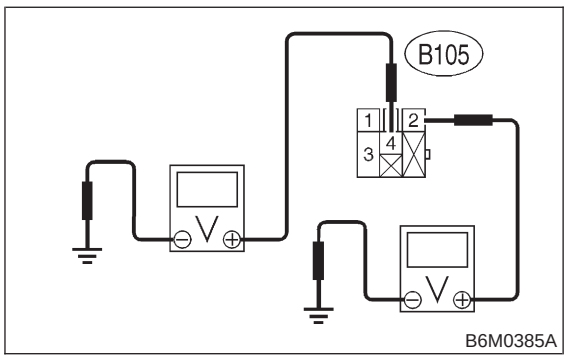


CHECK : ***Is the voltage more than 10 V?***
YES : Go to step **1A4**.
NO : Repair wiring harness.

1A4 : CHECK POWER SUPPLY FOR STARTER INTERLOCK RELAY.

Measure voltage between starter interlock relay connector and chassis ground.

Connector & terminal
(B105) No. 4 (+) — Chassis ground (−):

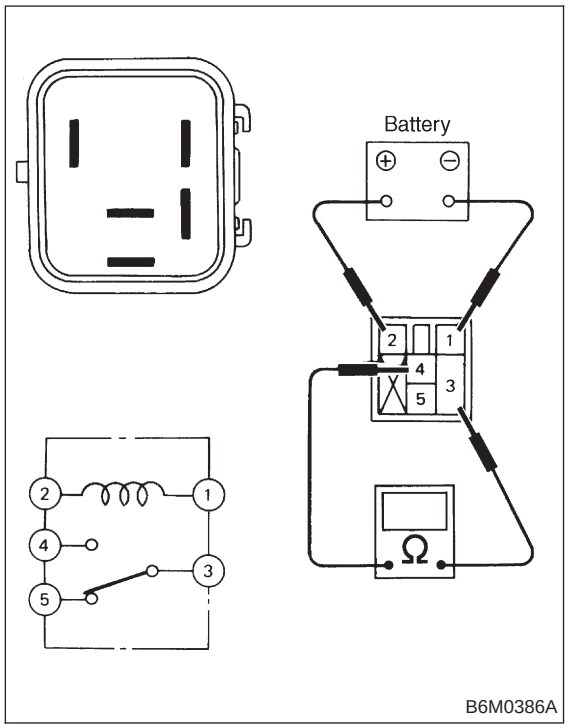


CHECK : ***Is the voltage more than 10 V?***
YES : Go to step **1A5**.
NO : Repair wiring harness. Go to step **1A5**.

1A5 : CHECK STARTER INTERLOCK RELAY.

1) Disconnect connector of starter interlock relay.
2) Connect battery to terminal No. 2 and ground terminal No. 1.
3) Check continuity between terminals.

When current flows.	Between terminals No. 3 and No. 4	Continuity exists.
When current does not flow.	Between terminals No. 3 and No. 4	Continuity does not exist.
	Between terminals No. 1 and No. 2	Continuity exists.

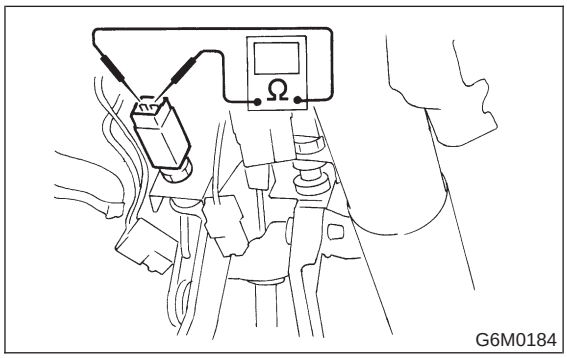


CHECK : ***Is starter interlock relay normal?***
YES : Go to step **1A6**.
NO : Replace starter interlock relay.

1A6 : CHECK CLUTCH SWITCH.

1) Disconnect connector of clutch switch.
2) Check continuity between terminals when clutch pedal is released.

Terminals
No. 1 — No. 2:

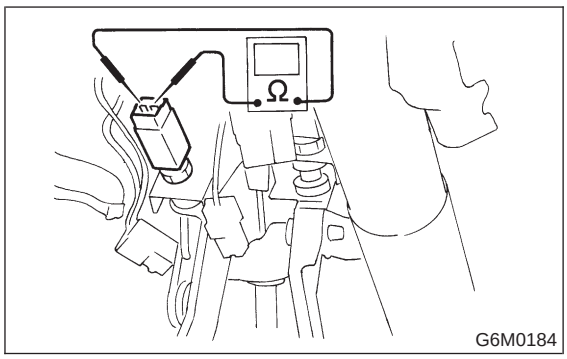


CHECK : ***Is the resistance less than 10 Ω? (With pedal released)***
YES : Go to step **1A7**.
NO : Adjust or replace clutch switch.

1A7 : CHECK CLUTCH SWITCH.

Check continuity between terminals when clutch pedal is depressed.

Terminals
No. 1 — No. 2:



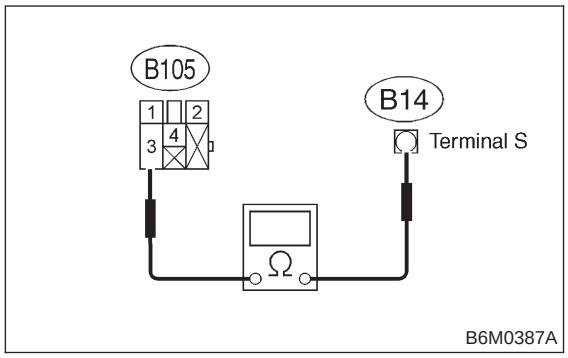
CHECK : ***Is the resistance more than 1 MΩ? (With pedal depressed)***
YES : Go to step **1A8**.
NO : Adjust or replace clutch switch.

1A8 : CHECK HARNESS CONNECTOR BETWEEN STARTER INTERLOCK RELAY AND STARTER MOTOR.

1) Disconnect connectors of starter interlock relay and starter motor.

2) Measure resistance of harness connector between starter interlock relay and starter motor.

Connector & terminal
(B105) No. 3 — (B14):

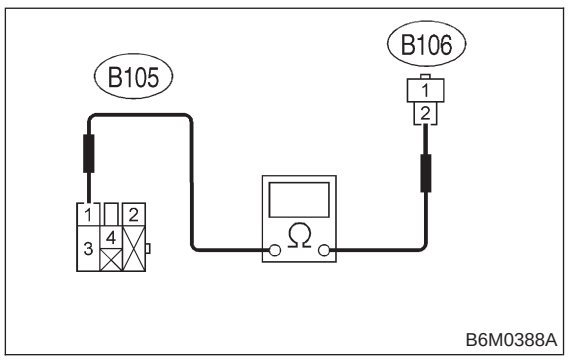


CHECK : ***Is the resistance less than 10 Ω?***
YES : Go to step **1A9**.
NO : Repair wiring harness.

1A9 : CHECK HARNESS CONNECTOR BETWEEN STARTER INTERLOCK RELAY AND CLUTCH SWITCH.

1) Disconnect connectors of starter interlock relay and clutch switch.
2) Measure resistance of harness connector between starter interlock relay and clutch switch.

Connector & terminal
(B105) No. 1 — (B106) No. 2:

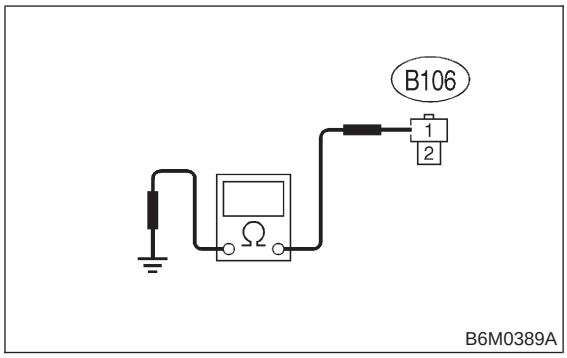


CHECK : ***Is the resistance less than 10 Ω?***
YES : Go to step **1A10**.
NO : Repair wiring harness.

1A10 : CHECK GROUND CIRCUIT OF CLUTCH SWITCH.

1) Disconnect connector of clutch switch.
2) Measure resistance of harness connector between clutch switch and chassis ground.

Connector & terminal
(B106) No. 1 (+) — Chassis ground (−):



CHECK : ***Is the resistance less than 10 Ω?***
YES : System is normal.
NO : Repair wiring harness.