

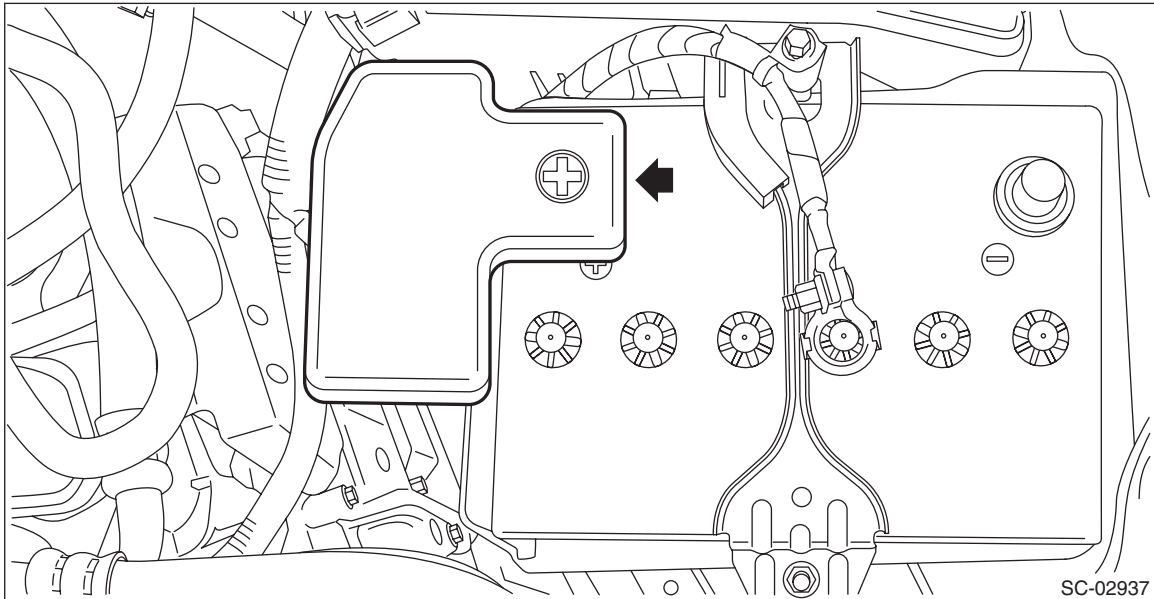
Battery Current & Temperature Sensor

STARTING/CHARGING SYSTEMS

5. Battery Current & Temperature Sensor

A: REMOVAL

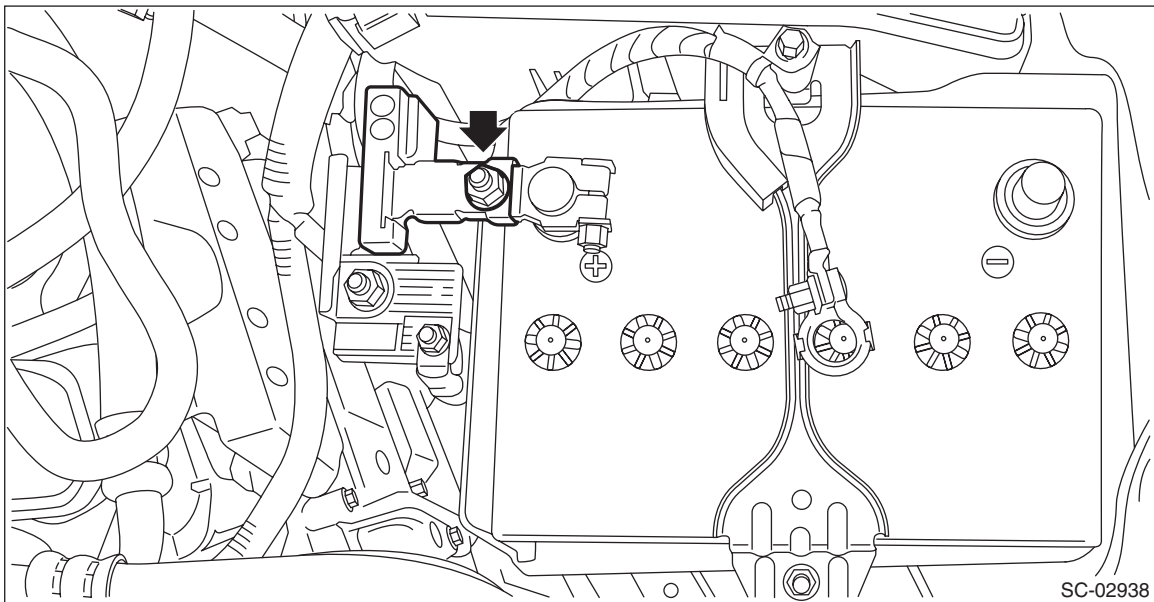
- 1) Disconnect the ground cable from battery.
- 2) Remove the battery terminal boot.



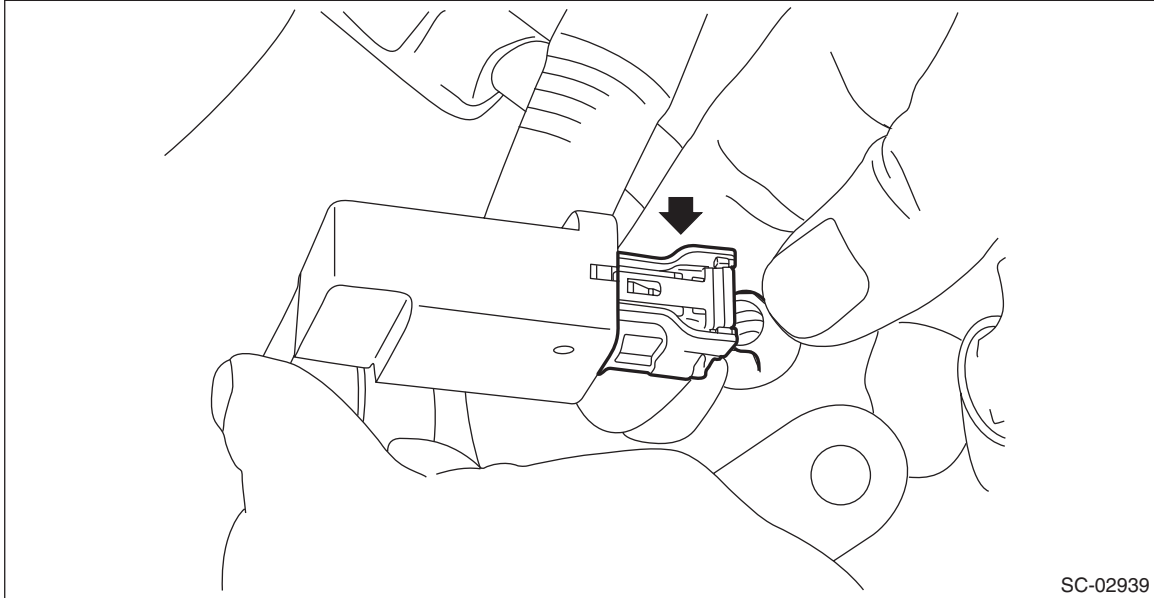
- 3) Remove the nut which holds the battery current & temperature sensor.

CAUTION:

- Hold the terminal bracket with your hand when loosening the nut to avoid deforming the bracket.
- While working, be sure to protect metal parts with cloth.



4) Disconnect the connectors from the battery current & temperature sensor.



B: INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Hold the terminal bracket with your hand when tightening the nut to avoid deforming the bracket.
- Install the terminal bracket so that it is level to the battery.
- While working, be sure to protect metal parts with cloth.

Tightening torque:

7.5 N·m (0.8 kgf-m, 5.5 ft-lb)

Battery Current & Temperature Sensor

STARTING/CHARGING SYSTEMS

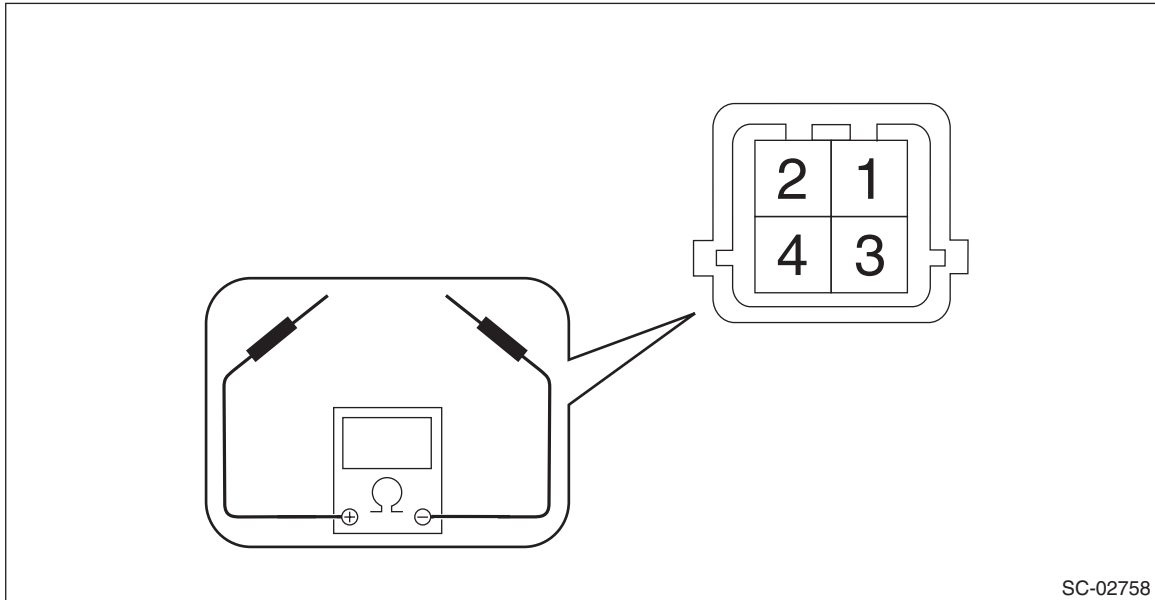
C: INSPECTION

1. CHECK BATTERY CURRENT SENSOR UNIT

CAUTION:

Pay attention to polarity when measuring the resistance in the battery current sensor.

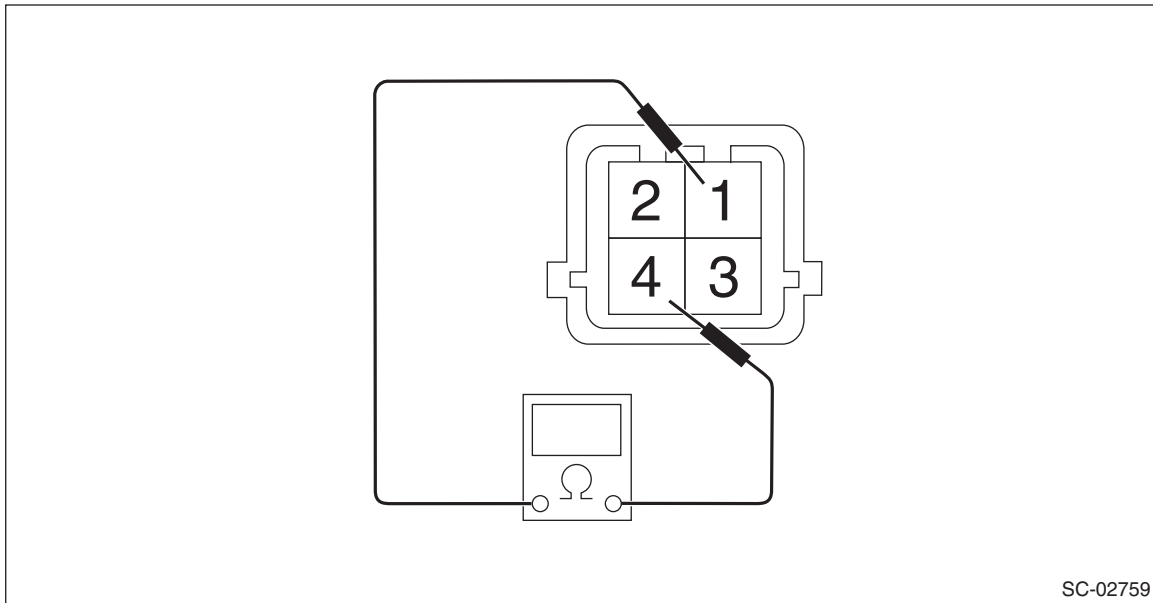
Check the resistance between the battery current sensor terminals.



| Terminal No. | Standard |
|-----------------|--------------------|
| 2 (+) and 3 (-) | 0 — 0.5 k Ω |
| 2 (+) and 4 (-) | 3 — 10 k Ω |
| 3 (+) and 4 (-) | 3 — 10 k Ω |

2. CHECK BATTERY TEMPERATURE SENSOR UNIT

Check the resistance between the battery temperature sensor terminals.



| Temperature | Terminal No. | Standard |
|-----------------------|--------------|--------------|
| 20 — 30°C (68 — 86°F) | 1 and 4 | 1.3 — 3.2 kΩ |

3. OTHER INSPECTIONS

Check that the battery current & temperature sensor has no deformation, cracks or other damages.

Battery Current & Temperature Sensor

STARTING/CHARGING SYSTEMS

ENGINE (DIAGNOSTICS)

EN(H4DO)(diag)

| | Page |
|---|------|
| 1. Basic Diagnostic Procedure | 2 |
| 2. Check List for Interview | 4 |
| 3. General Description | 6 |
| 4. Electrical Component Location | 9 |
| 5. Engine Control Module (ECM) I/O Signal | 19 |
| 6. Engine Condition Data | 29 |
| 7. Data Link Connector | 30 |
| 8. General Scan Tool | 31 |
| 9. Subaru Select Monitor | 36 |
| 10. Read Diagnostic Trouble Code (DTC) | 43 |
| 11. Inspection Mode | 44 |
| 12. Drive Cycle | 47 |
| 13. Clear Memory Mode | 58 |
| 14. System Operation Check Mode | 59 |
| 15. Malfunction Indicator Light | 60 |
| 16. Diagnostics for Engine Starting Failure | 62 |
| 17. List of Diagnostic Trouble Code (DTC) | 82 |
| 18. Diagnostic Procedure with Diagnostic Trouble Code (DTC) | 91 |
| 19. General Diagnostic Table | 373 |