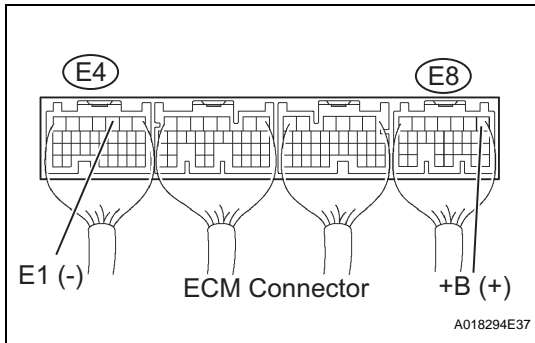




**1 INSPECT ECM (+B VOLTAGE)**



- (a) Turn the ignition switch to ON.
- (b) Measure the voltage between the terminals of the ECM connectors.

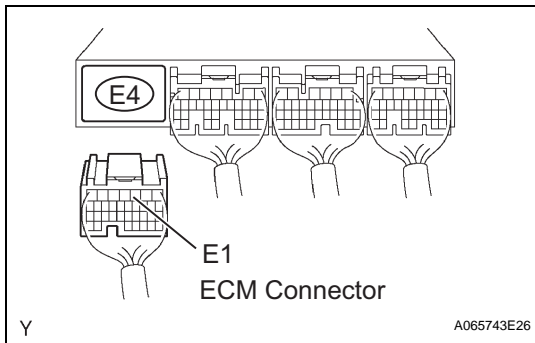
**Standard Voltage**

Tester Connections	Specified Conditions
+B (E8-1) - E1 (E4-3)	9 to 14 V

**OK** → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE**

**ES** **NG**

**2 CHECK HARNESS AND CONNECTOR (ECM - BODY GROUND)**



- (a) Disconnect the negative battery cable.
- (b) Disconnect the E4 ECM connector.
- (c) Check the resistance.

**Standard Resistance**

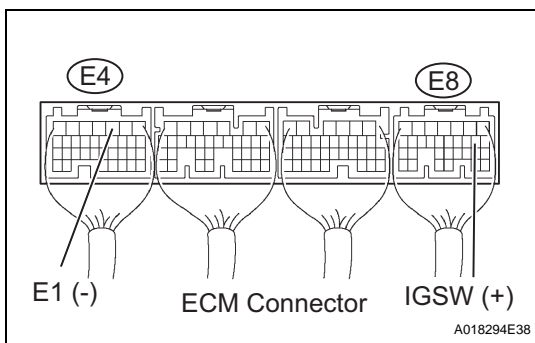
Tester Connections	Specified Conditions
E1 (E4-3) - Body ground	Below 1 Ω

- (d) Reconnect the ECM connector.
- (e) Reconnect the negative battery cable.

**NG** → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

**OK**

**3 INSPECT ECM (IGSW VOLTAGE)**



- (a) Turn the ignition switch to ON.
- (b) Measure the voltage between the terminals of the ECM connectors.

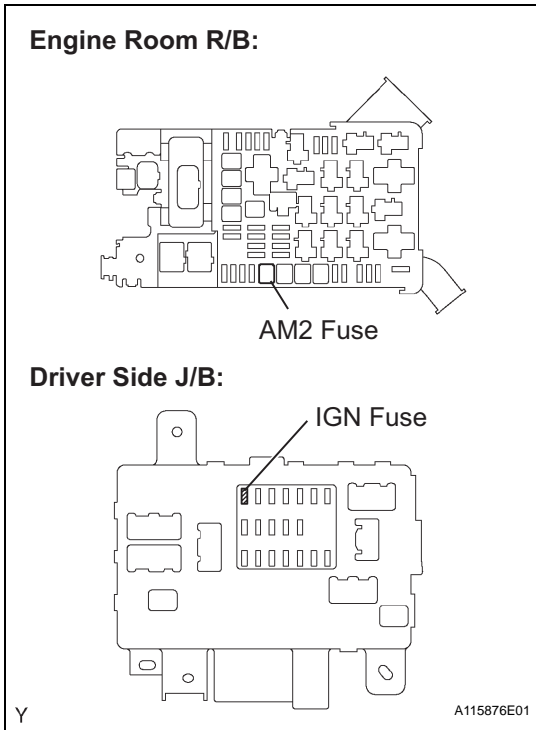
**Standard Voltage**

Tester Connections	Specified Conditions
IGSW (E8-9) - E1 (E4-3)	9 to 14 V

**OK** → **Go to step 6**

**NG**

**4 CHECK FUSE (AM2 AND IGN)**



- (a) Check the AM2 fuse.
  - (1) Remove the AM2 fuse from the engine room R/B.
  - (2) Check the AM2 fuse resistance.
 

**Standard Resistance:**  
**Below 1 Ω**
  - (3) Reinstall the AM2 fuse.
- (b) Check the IGN fuse.
  - (1) Remove the IGN fuse from the driver side J/B.
  - (2) Check the IGN fuse resistance.
 

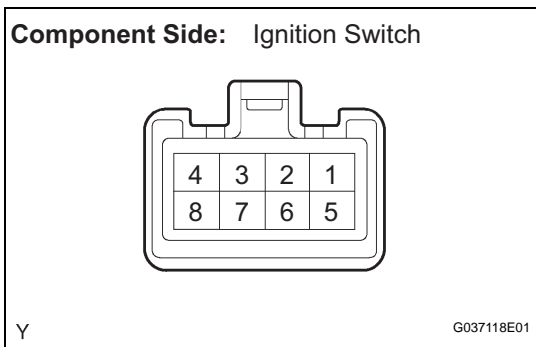
**Standard Resistance:**  
**Below 1 Ω**
  - (3) Reinstall the IGN fuse.

**NG**

**CHECK FOR SHORT IN ALL HARNESS AND COMPONENTS CONNECTED TO FUSE**

**OK**

**5 INSPECT IGNITION OR STARTER SWITCH ASSEMBLY**



- (a) Disconnect the I7 ignition switch connector.
- (b) Check the resistance.
 

**Standard Resistance**

Ignition Switch Positions	Tester Connections	Specified Conditions
LOCK	All Terminals	10 kΩ or higher
ACC	2-4	Below 1 Ω
ON	1-4, 1-6, 2-4, 3-4, 5-6	Below 1 Ω
START	1-4, 3-4, 5-6, 5-7	Below 1 Ω

- (c) Reconnect the ignition switch connector.

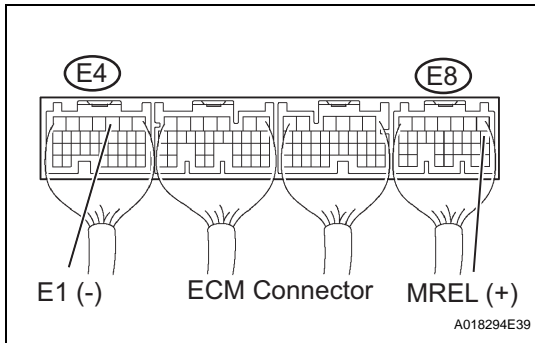
**NG**

**REPLACE IGNITION OR STARTER SWITCH ASSEMBLY**

**OK**

**CHECK AND REPAIR HARNESS AND CONNECTOR (BATTERY - IGNITION SWITCH, IGNITION SWITCH - ECM)**

**6 INSPECT ECM (MREL VOLTAGE)**



- (a) Turn the ignition switch to ON.
- (b) Measure the voltage between the terminals of the ECM connectors.

**Standard Voltage**

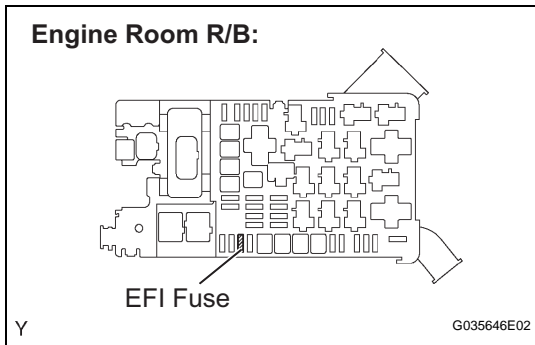
Tester Connections	Specified Conditions
MREL (E8-8) - E1 (E4-3)	9 to 14 V

**NG** → **REPLACE ECM**

**ES**

**OK**

**7 CHECK FUSE (EFI)**



- (a) Remove the EFI fuse from the engine room R/B.
- (b) Check the EFI fuse resistance.

**Standard Resistance:**

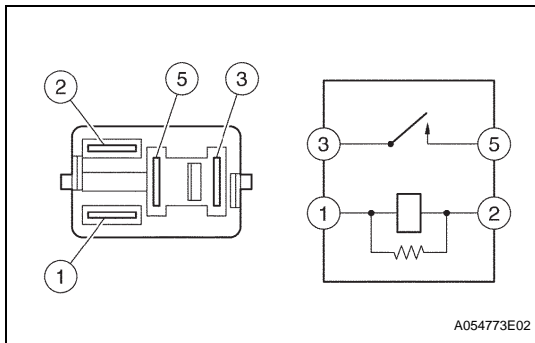
**Below 1 Ω**

- (c) Reinstall the EFI fuse.

**NG** → **CHECK FOR SHORT IN ALL HARNESS AND COMPONENTS CONNECTED TO FUSE**

**OK**

**8 INSPECT EFI RELAY**



- (a) Remove the EFI relay from the engine room R/B.
- (b) Check the EFI relay resistance.

**Standard Resistance**

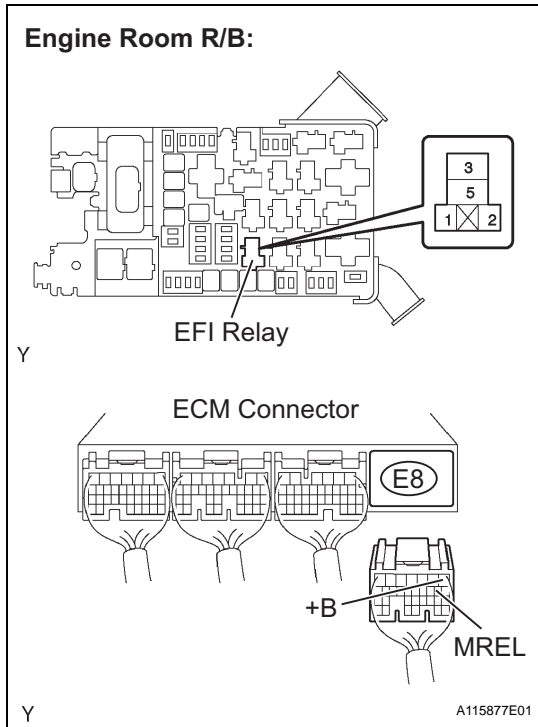
Tester Connections	Specified Conditions
3 - 5	10 kΩ or higher
3 - 5	Below 1 Ω (when battery voltage applied to terminals 1 and 2)

- (c) Reinstall the EFI relay.

**NG** → **REPLACE EFI RELAY**

**OK**

**9 CHECK HARNESS AND CONNECTOR (EFI RELAY - ECM, EFI RELAY - BODY GROUND)**



- (a) Check the harness and connector between the EFI relay and ECM.
- (1) Remove the EFI relay from the engine room R/B.
  - (2) Disconnect the E8 ECM connector.
  - (3) Check the resistance.

**Standard Resistance (Check for open)**

Tester Connections	Specified Conditions
Engine room R/B (EFI relay terminal 1) - MREL (E8-8)	Below 1 Ω
Engine room R/B (EFI relay terminal 3) - +B (E8-1)	Below 1 Ω

**Standard Resistance (Check for short)**

Tester Connections	Specified Conditions
Engine room R/B (EFI relay terminal 1) or MREL (E8-8) - Body ground	10 kΩ or higher
Engine room R/B (EFI relay terminal 3) or +B (E8-1) - Body ground	10 kΩ or higher

- (4) Reconnect the ECM connector.
  - (5) Reinstall the EFI relay.
- (b) Check the harness and connector between the EFI relay and body ground.
- (1) Remove the EFI relay from the engine room R/B.
  - (2) Check the resistance.

**Standard Resistance (Check for open):**

Tester Connections	Specified Conditions
Engine room R/B (EFI relay terminal 2) - Body ground	Below 1 Ω

- (3) Reinstall the EFI relay.

**NG REPAIR OR REPLACE HARNESS OR CONNECTOR**

**OK**

**CHECK AND REPLACE HARNESS AND CONNECTOR (TERMINAL 5 OF EFI RELAY - BATTERY POSITIVE TERMINAL)**

**ES**