2102L–01

INSPECTION

1. INSPECT INTEGRATION RELAY (IGCT RELAY)

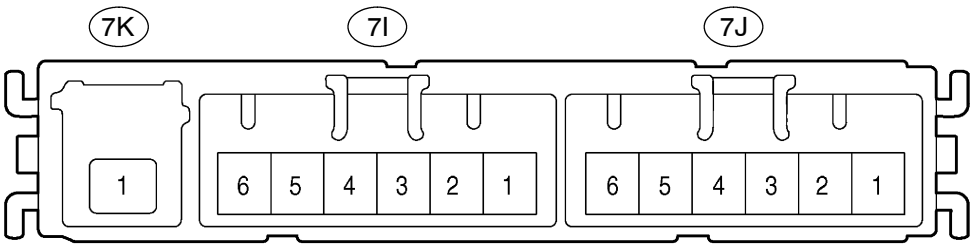
(a) Check the HEV fuse.

(1) Remove the 20 A fuse. Using an ohmmeter, measure the resistance between the terminals.

Standard: Below 1 Ω

If the standard is not met, replace the fuse.

Integration Relay:



Y

A77561

(b) Check the IGCT relay.

(1) Using an ohmmeter, measure the resistance between the terminals.

Standard:

Tester Connection	Specified Condition
7J–1 – 7J–4	10 kΩ or higher
7J–1 – 7K–1	Below 1 Ω
7J–2 – 7J–3	Below 1 Ω
7J–4 – 7K–1	10 kΩ or higher

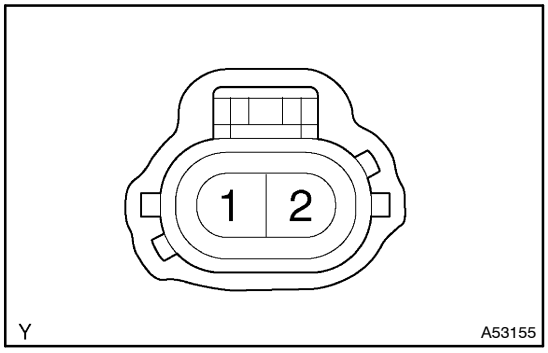
If the standards are not met, replace the integration relay.

(2) Using an ohmmeter, measure the resistance between the terminals when battery voltage is applied to terminals 7J–2 and 7J–3.

Standard:

Tester Connection	Specified Condition
7J–1 – 7J–4	Below 1 Ω
7J–1 – 7K–1	Below 1 Ω

If the standards are not met, replace the integration relay.



2. INSPECT WATER W/MOTOR & BRACKET PUMP ASSY

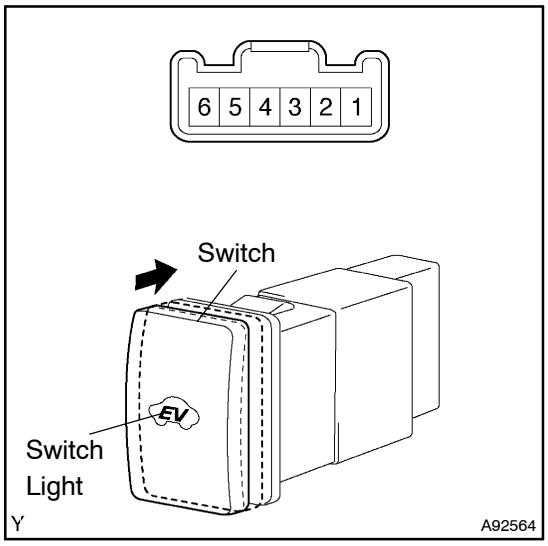
(a) Check the operation.

(1) Connect the battery positive terminal to terminal 1 and the battery negative terminal to terminal 2, then check that the pump motor operates properly.

NOTICE:

- **Do not connect the positive and negative poles of the battery to the wrong terminals.**
- **Complete the check within 10 seconds of connection.**

If it does not operate properly, replace the water pump with motor and bracket.



3. INSPECT PATTERN SELECT SWITCH ASSY NO.1 (EV–DRIVE MODE SWITCH)

(a) Check the operation.

(1) Connect the battery positive terminal to terminal 1 (ILL+) and the battery negative terminal to terminal 2 (ILL–), then check that the switch light comes on.

If the switch light does not come on, replace the pattern select switch assembly No. 1 (EV–drive mode switch).

(b) Check the continuity.

(1) Using an ohmmeter, measure the resistance between terminals 3 (T) and 4 (E).

Standard:

Measuring Condition	Specified Condition
Not pushing the switch	10 kΩ or higher
Pushing the switch	Below 1 Ω

If the standards are not met, replace the pattern select switch assembly No. 1 (EV–drive mode switch).