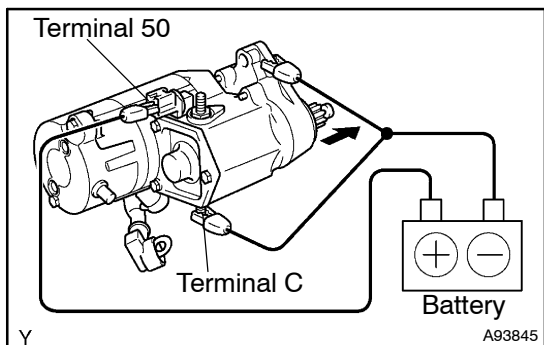


# INSPECTION

## 1. INSPECT STARTER ASSY

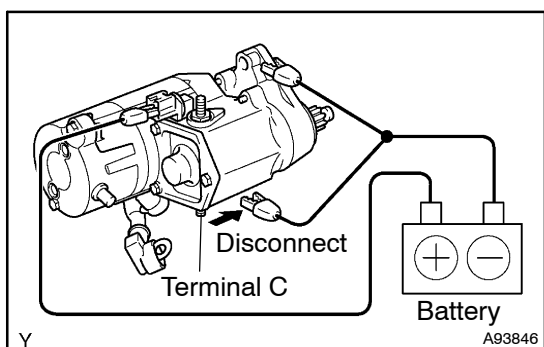
### NOTICE:

These tests must be performed within 3 to 5 seconds to prevent the coil from burning out.

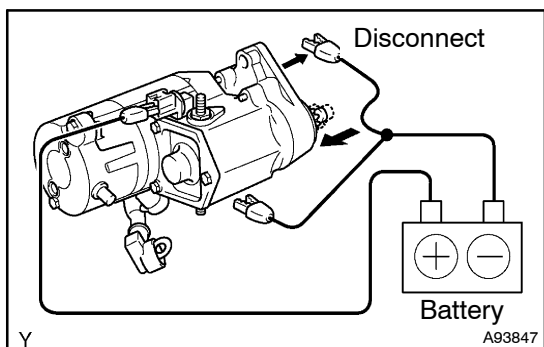


### (a) Perform pull-in/ holding test

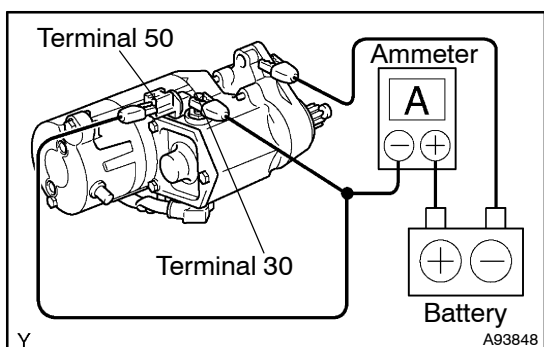
- (1) Disconnect the field coil lead wire from terminal C.
- (2) Connect the battery to the magnetic switch as shown. Then check that the clutch pinion gear moves outward.



- (3) Disconnect the battery negative lead from terminal C. Then check that the pinion gear remains out.



- (4) Disconnect the battery negative lead from the switch body. Then check that the clutch pinion gear returns inward.



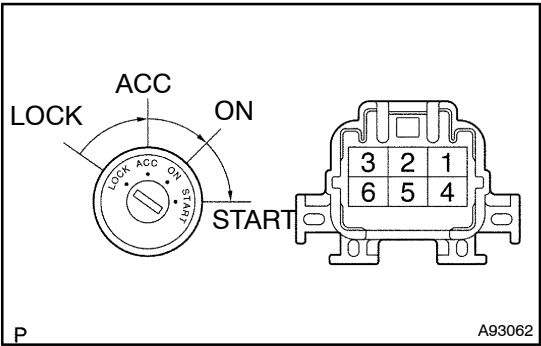
### (b) Perform operation test without load

- (1) Connect the battery and ammeter to the starter as shown.

- (2) Check that the starter rotates smoothly and steadily while the pinion gear is moving out. Then measure the current.

**Specified current:**

Item	Specified Condition
1.4 kW type	90 A or less at 11.5 V
2.0 kW type	100 A or less at 11.5 V



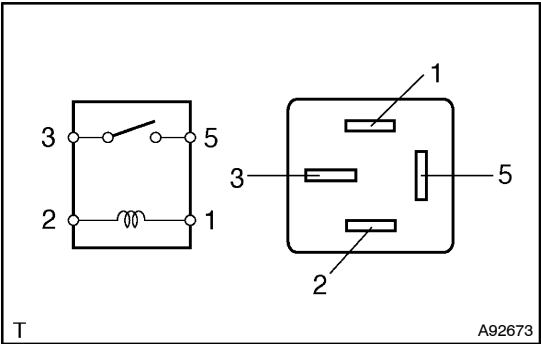
**2. INSPECT IGNITION OR STARTER SWITCH ASSY**

- (a) Measure the resistance of the switch.

**Standard:**

Switch Condition	Tester Connection	Specified Condition
LOCK	–	10 kΩ or higher
ACC	1 – 3	Below 1 Ω
ON	1 – 2	Below 1 Ω
	1 – 3	
	5 – 6	
START	1 – 2	Below 1 Ω
	4 – 5	
	5 – 6	

If the result is not as specified, replace the switch assy.



**3. INSPECT RELAY (Marking: STARTER)**

- (a) Remove the STARTER relay from the FL block.  
(b) Measure the resistance of the STARTER relay.

**Standard:**

Tester Connection	Specified Condition
3 – 5	10 kΩ or higher
3 – 5	Below 1Ω (when battery voltage is applied to terminals 1 and 2)

If the result is not as specified, replace the relay.