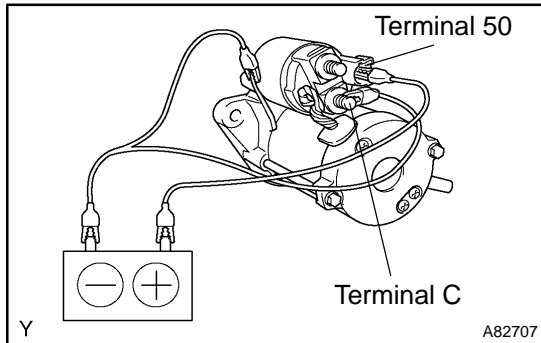


STARTING SYSTEM INSPECTION

1900B-01



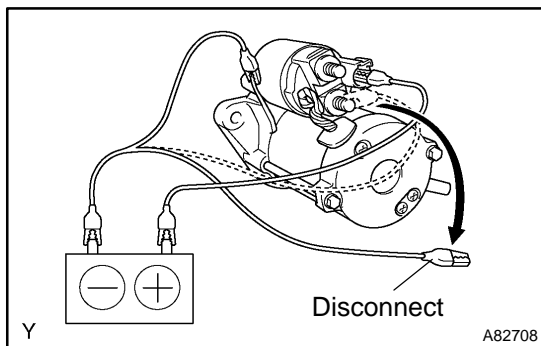
1. INSPECT STARTER ASSY

NOTICE:

These tests must be performed within 3 to 5 seconds to prevent coil burnout.

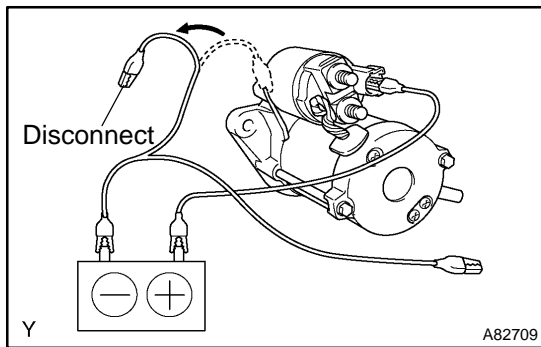
- (a) Do the pull-in test.
 - (1) Disconnect the field coil lead from terminal C.
 - (2) Connect the battery to the magnetic switch as shown in the illustration on the left. Check that the clutch pinion gear is extended.

If the clutch pinion gear is not extended, replace the magnetic switch.



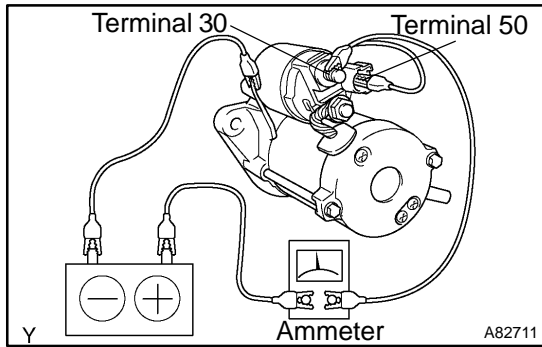
- (b) Do the hold-in test.
 - (1) Disconnect the negative (-) lead from the terminal C with the above condition (a) maintained. Check that the pinion gear remains extended.

If the clutch pinion gear returns, replace the magnetic switch.



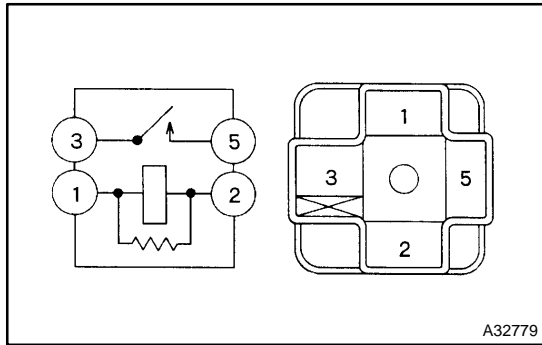
- (c) Inspect clutch pinion gear return.
 - (1) Disconnect the negative (-) lead from the switch body. Check that the clutch pinion gear returns.

If the clutch pinion gear does not return, replace the magnetic switch.



- (d) Do the no-load performance test.
- (1) Connect the field coil lead wire to terminal C. Make sure the lead is not grounded.
 - (2) Clamp the starter in a vise.
 - (3) Connect the battery and an ammeter to the starter as shown in the illustration.
 - (4) Check that the starter rotates smoothly and steadily with the clutch pinion gear extended. Check that the ammeter reads the specified current.

Specified current: 90 A or less at 11.5 V



2. INSPECT STARTER RELAY ASSY

- (a) Continuity inspection.
- (1) Using an ohmmeter, check for continuity between each terminal.

Specified condition:

Between terminals	Specified condition
1 – 2	Continuity
3 – 5	No continuity
	Continuity (Apply battery voltage to terminals 1 and 2)