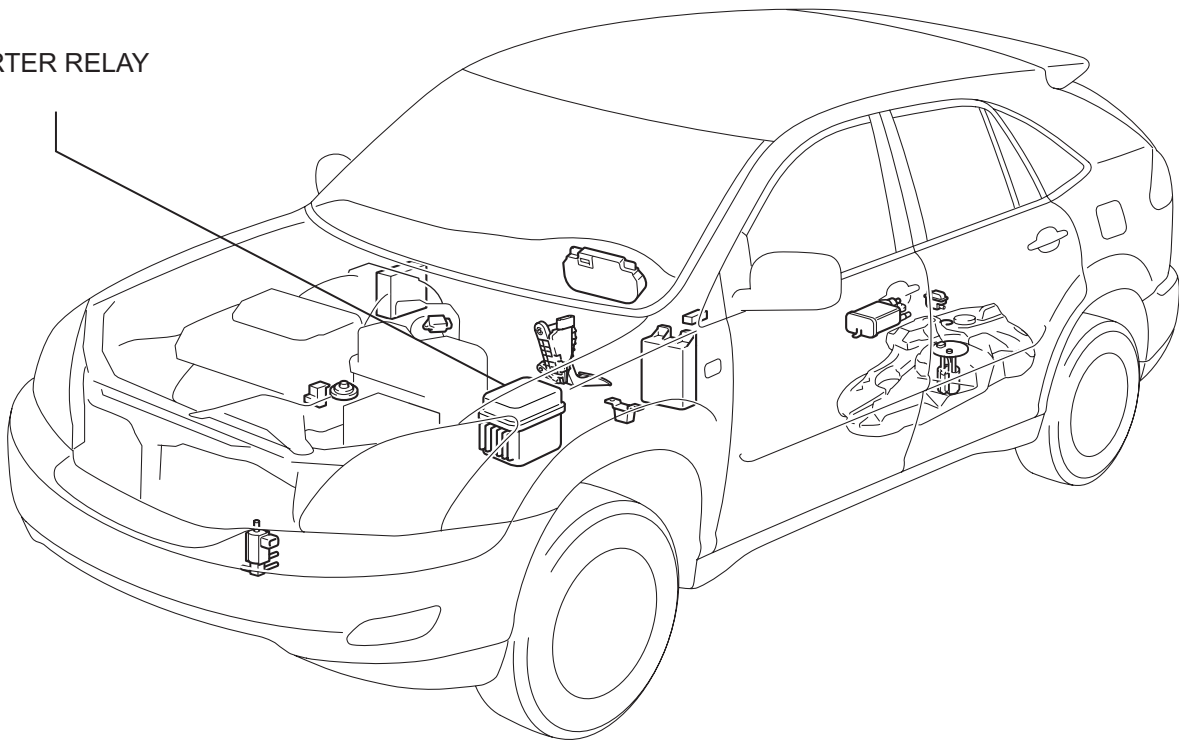


STARTING SYSTEM

PARTS LOCATION

ENGINE ROOM R/B AND
FUSIBLE LINK BLOCK:

STARTER RELAY

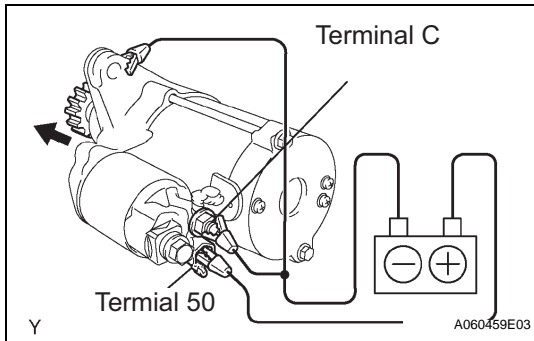


INSPECTION

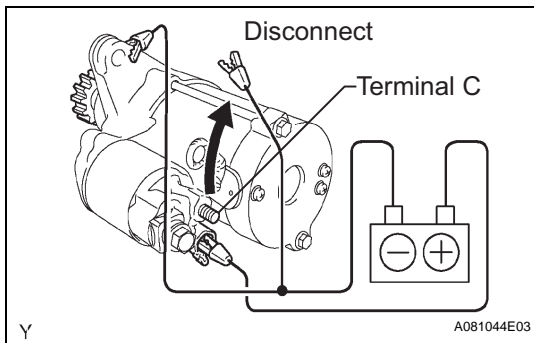
1. INSPECT STARTER ASSEMBLY

NOTICE:

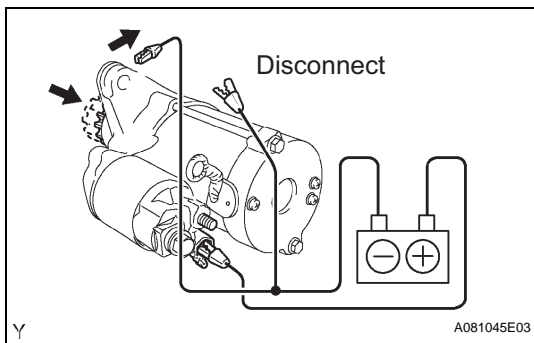
These tests must be performed within 3 to 5 seconds to avoid burning out the coil.



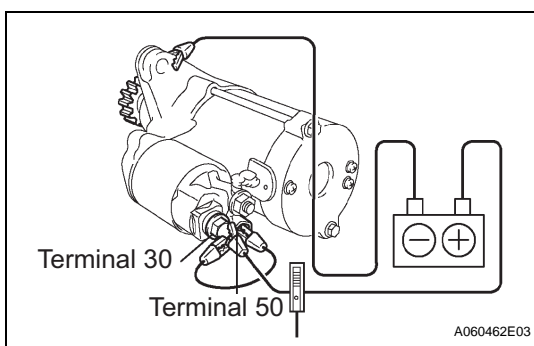
- (a) Do pull-in test (Condition (A))
- (1) Disconnect the field coil lead wire from terminal C.
 - (2) Connect the battery to the magnetic switch as shown in the illustration on the left. Check that the clutch pinion gear is extended. If the clutch pinion gear does not move, replace the magnetic switch.



- (b) Do hold-in test
- (1) Disconnect the negative (-) lead from terminal C with the above condition (A) is being maintained. Check that the pinion gear remains extended. If the clutch pinion gear returns inward, 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 no-load performance test
- (1) Connect the field coil lead wire to terminal C. Make sure that 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