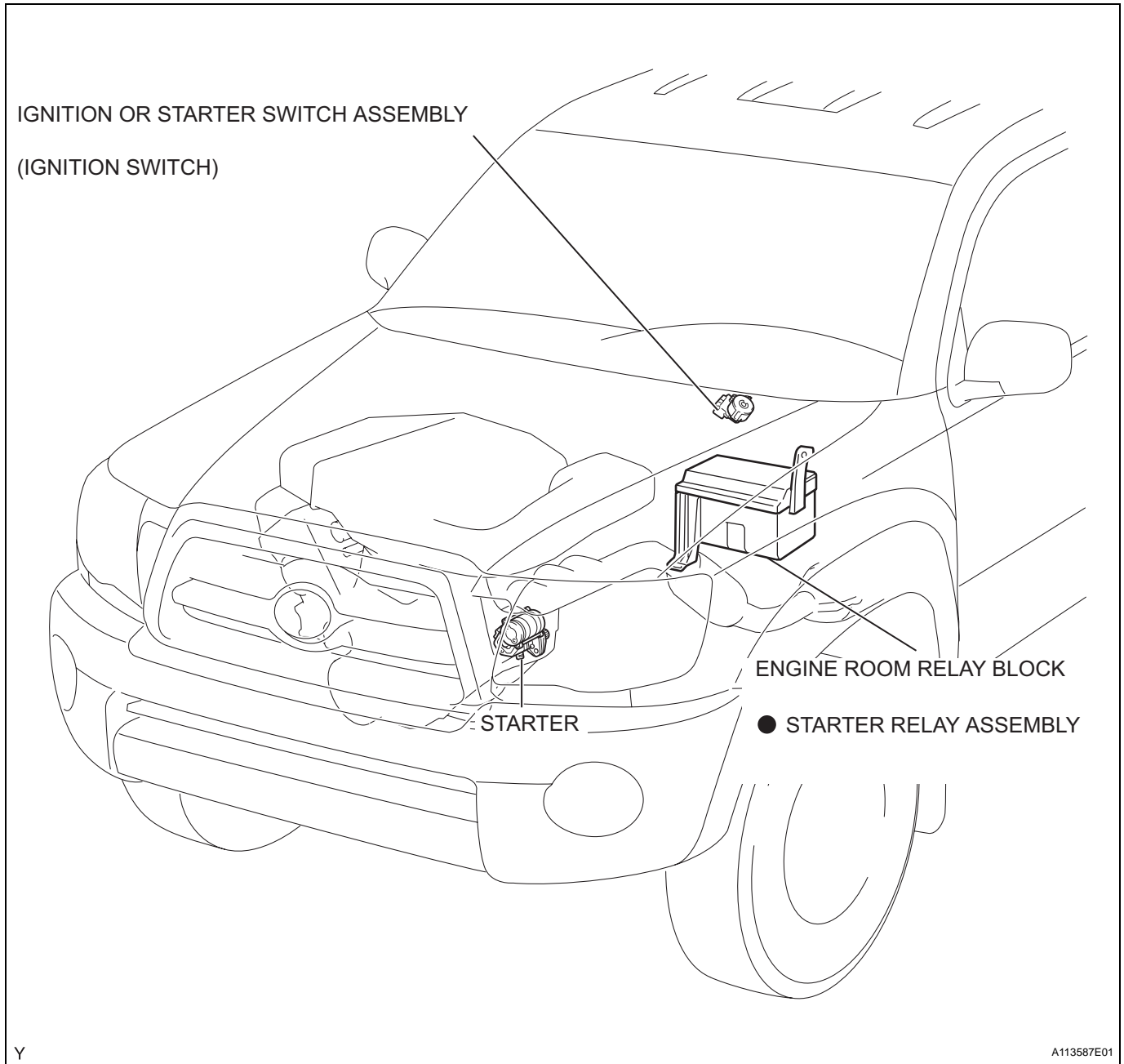


# STARTING SYSTEM

## PARTS LOCATION

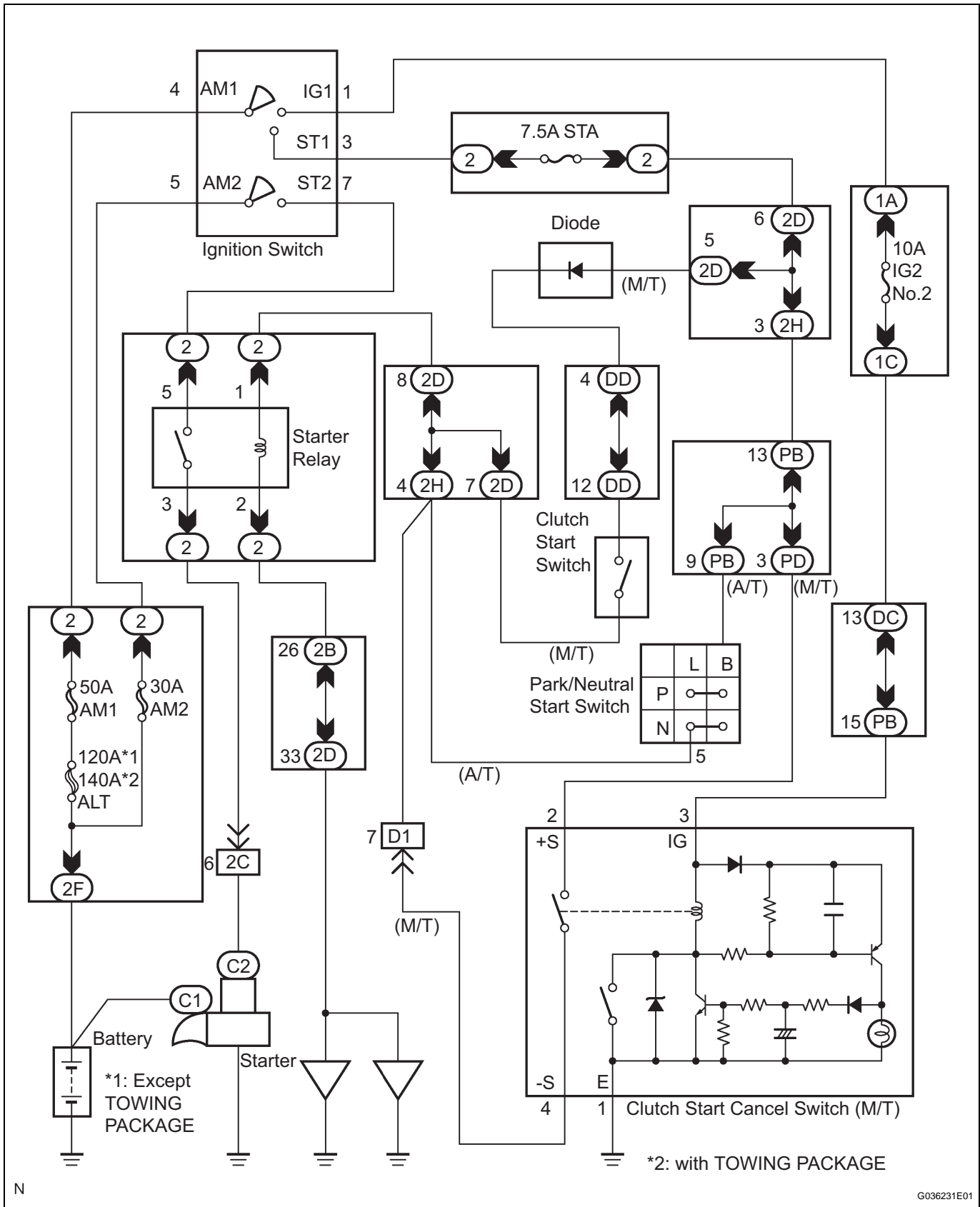


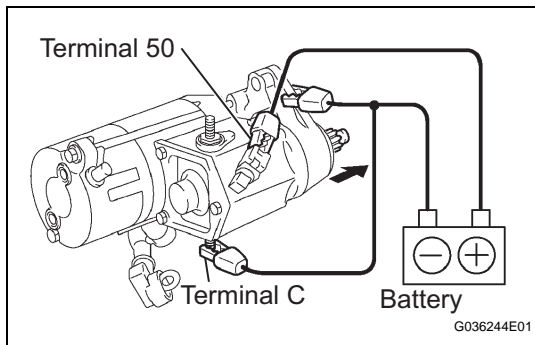
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ST

## SYSTEM DIAGRAM





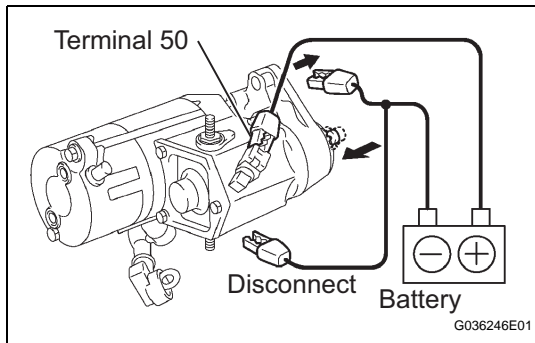
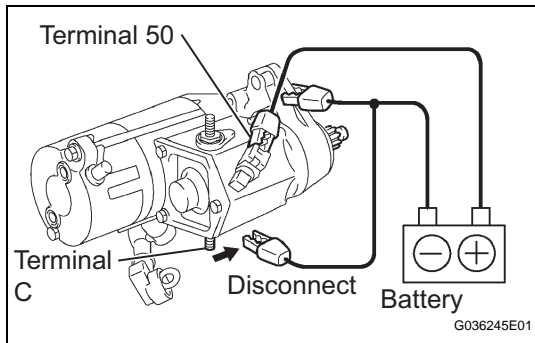
## INSPECTION

### 1. INSPECT STARTER ASSEMBLY

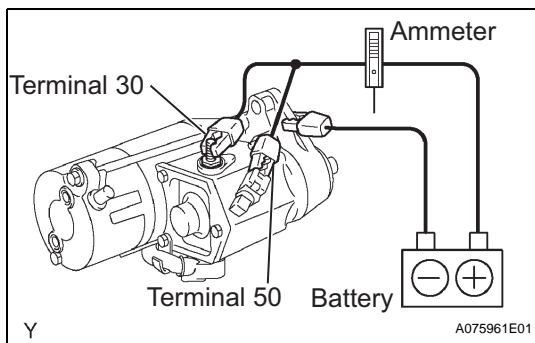
#### NOTICE:

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

- (a) Perform the pull-in test.
  - (1) Remove the nut, then disconnect the lead wire from terminal C.
  - (2) Connect the battery to the starter magnetic switch as shown in the illustration. Check that the clutch pinion gear is extended. If the clutch pinion gear does not move, replace the magnet starter switch.
- (b) Perform the hold-in test.
  - (1) Disconnect the negative (-) lead from terminal C. Check that the clutch pinion gear is extended. If the clutch pinion gear returns inward, replace the magnet starter switch.



- (c) Check the operation.
  - (1) Disconnect the negative (-) lead from the starter body. Check that the clutch pinion gear returns. If the clutch pinion gear does not return inward, replace the magnet starter switch.



- (d) Perform the no-load performance test.
  - (1) Connect the 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.

#### Standard:

**100 A or less at 11.5 V**

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