



SERVICE BULLETIN

Classification:

EL10-010

Reference:

NTB10-038

Date:

March 11, 2010

NISSAN; TESTING JIS-TYPE & CCA-TYPE BATTERIES

APPLIED VEHICLES: All Nissan vehicles

SERVICE INFORMATION

Nissan vehicles equipped with standard lead/acid batteries use one of two different types with unique battery rating specifications: JIS & CCA.

JIS = Japan Industrial Standard, used for Japan produced batteries

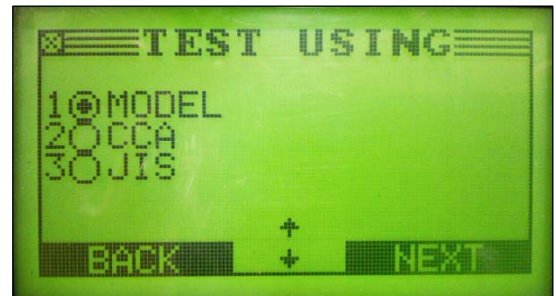
CCA = Cold Cranking Amps, standard for North American produced batteries

IMPORTANT:

- JIS batteries have different testing specifications than CCA batteries.
- If you must use the GR8 Battery Tester in a mode other than MODEL mode, **JIS Mode MUST ALWAYS BE USED for JIS batteries otherwise an incorrect result will occur.** NEVER test a JIS battery using the CCA test in the GR8; the test software in the GR8 is different for JIS and CCA modes. ANY CCA value you may have for a JIS-type battery is inaccurate for testing purposes.

ALWAYS test with the GR8 using the **MODEL** mode (if available).

- Selecting **MODEL** and vehicle type will automatically select the proper JIS or CCA value for the Original Equipment battery.
- If the applicable vehicle is not listed, update the GR8 to make sure it has the most recent data package.
- If the applicable vehicle still is not listed:



- 1) Determine which type of battery (CCA or JIS) is installed in the vehicle. See page 2 for descriptions of each battery.
- 2) Select **CCA** or **JIS** in the GR8 based on the type of battery installed. See page 3 for more information.

Nissan Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. NOTE: If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Nissan dealer to determine if this applies to your vehicle.

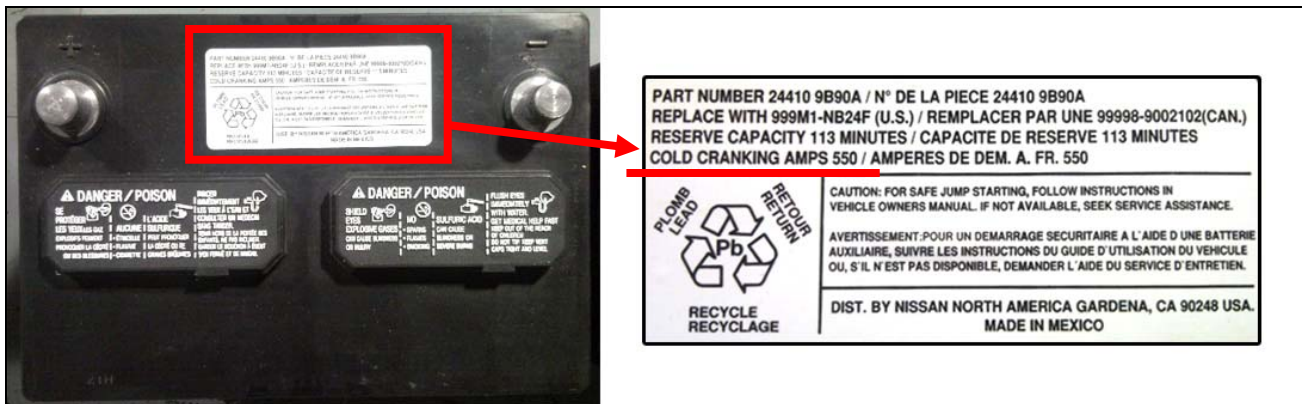
Determine the Battery Type

Batteries with JIS (Japanese Industrial Standard) Number



- Batteries installed in vehicles produced in Japan have a JIS number embossed in the plastic on top of the battery.
- These vehicles have a VIN that begins with the letter “J”.

Batteries with CCA (Cold Cranking Amps) Number



- Batteries installed in vehicles produced in North America have a CCA number displayed on the label attached to the top of the battery.
- These vehicles have a VIN that begins with a number: 1, 3, or 5.

Selecting CCA or JIS in the GR8 Battery Tester

Vehicles with JIS Battery

- Select **JIS**, then choose the option that matches the **first five (5) characters** of the JIS number on the battery.

NOTE: DO NOT select **CCA** when testing a JIS battery.

Vehicles with CCA Battery

- Select **CCA**, then choose the option that matches the **number** following “Cold Cranking Amps” on the battery.

Reference Material

The following information can be printed and attached to the GR8, if needed.



JIS Battery



A **JIS** battery has the number embossed in the plastic on the top of the battery.



CCA Battery



A **CCA** battery has the number displayed on the label attached to the top of the battery.