

BATTERY TEST PROCEDURE USING THE DCA-8000PM

The Mazda DCA-8000PM is required for all warranty battery testing. If the Mazda DCA-8000PM is not used, incorrect battery testing may result in unnecessary battery replacement. Use the following test procedures to test Mazda vehicle batteries and to generate a Warranty Code.

NOTE: A Warranty Code is required for warranty claim submission

Battery Identification (Mazda batteries have 2 rating types)

1. JIS (Japanese Industrial Standard):

JIS codes are six-digit alpha-numeric markings molded into the top of the battery to identify a battery by the capacity (amps), dimensions, and battery terminal type. Vehicles manufactured in Japan come from the factory with a JIS rated battery.

NOTE: Replacement batteries may use a CCA rating. If so, use the CCA rating listed on the battery.

2. CCA (Cold Cranking Amps):

CCA ratings are normally located on a sticker affixed to the top of the battery to indicate a battery's Cold Cranking Amps. CCA rated batteries are supplied with domestically produced vehicles.

NOTE: If an incorrect CCA rating is entered into the Mazda DCA-8000PM, it will result in a false result and invalid Warranty Code from the tester. This will also result in unnecessary replacement of batteries.

PERFORMING A DIAGNOSTIC CHARGE TEST

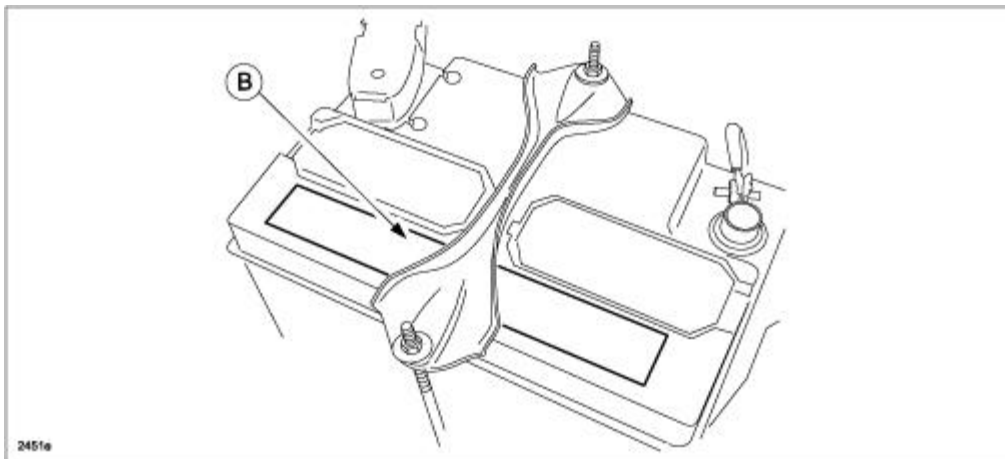
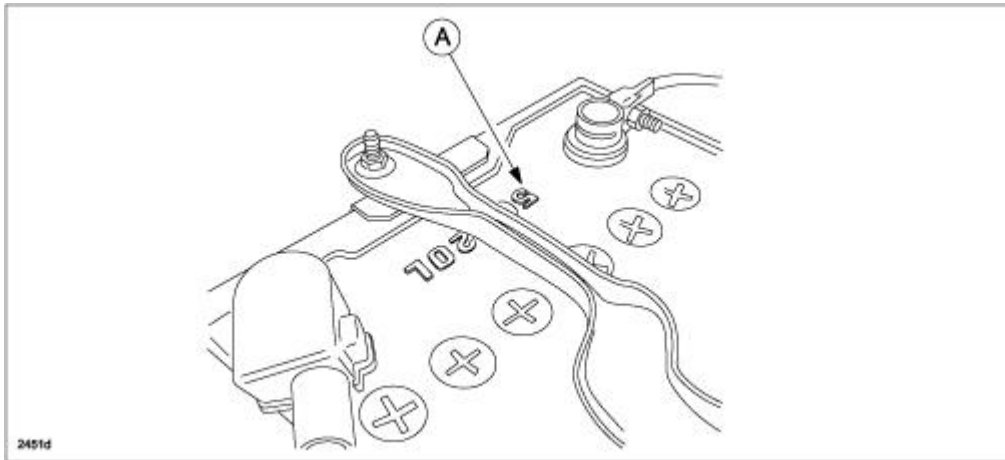
Using Mazda DCA-8000PM In Vehicle Charge:



1. Connect the charger clamps to the appropriate battery posts.
 2. At the *Main Menu*, select *In Vehicle Charge* and the *Acquire VIN* screen is displayed.
 3. For best results, scan the barcode located on the driver's side door frame using the provided wireless barcode scanner. A single beep indicates the scan was successful.
- NOTE:** If your barcode scanner is unavailable for some reason, the VIN can also be entered manually.
4. If the battery parameters were not filled in from the VIN scan, manually enter the battery information.
 5. Complete the battery test by following the on-screen instructions and entering the appropriate information. Refer to the Mazda DCA-8000PM Quick Start Guide or [Midtronics online Instruction Manual](#) for more information.

NOTE:

- Select the correct rating system for the battery by identifying the correct JIS code (A) stamped onto the battery top or CCA code (B) printed on the battery label.
- The battery hold down may need to be removed in order to read the JIS code.



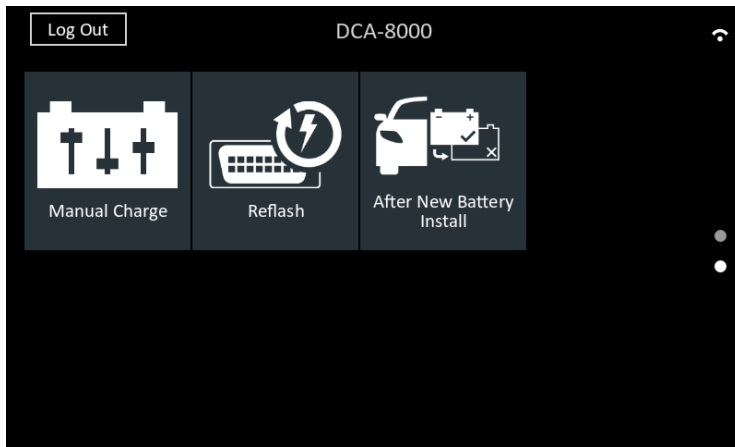
6. After the test, the DCA-8000PM will display one of the possible battery test results listed below. Review the results and follow the Action for the displayed result.

Battery Tester Display	Action
"GOOD BATTERY"	Return the battery to service.
"GOOD - RECHARGE"	Fully charge the battery and return it to service.
"REPLACE BATTERY"	A REPLACE BATTERY result may also mean a poor connection between the battery and the vehicle. If you tested the battery using the System Test, disconnect the battery cables and retest using the Battery Test before replacing it.

7. Select *Send Results* then select *Print* to get a test result print out.

REPAIR TEST PROCEDURE

1. Perform appropriate repair to vehicle. If needed, use the *After New Battery Install Test* of the Mazda DCA-8000PM to test the charging and starting systems by following the on-screen instructions and entering the appropriate information. Refer to the Mazda DCA-8000PM Instruction Manual for more information.



2. Verify repair.

WARRANTY INFORMATION

Write the Warranty Code on the RO and attach the printed results to the RO (do not attach with tape due to reaction with the printer paper).

NOTE: A Warranty Code is required for warranty claim submission. Claims filed WITHOUT correct codes will be subject to warranty claim denial.

