



Date: May 16, 2006	Bulletin Number: 06D-J-092
To: All Distributors and Jobbers	Category: Service
From: Steve Sigg, Product Service	Line(s): 07

Subject: Proper Battery Testing Procedures when using Conductance Testing

Description

When using a conductance type battery tester on side terminal and top stud batteries, certain procedures must be followed to properly assess the battery being tested in order to achieve accurate results. This is particularly important on batteries with higher CCA ratings.

1. Make sure the battery in the tester is not weak or inaccurate readings may result. If the tester indicates low OCV on the batteries being tested when compared to a known good DVOM, or the tester indicates low CCA on the batteries being tested, replace the battery in the tester and test again.
2. When testing side terminal or top stud batteries with a conductance tester, always use lead terminal adapters, such as those provided with most testers. Make sure the terminal adapter makes good contact with the lead pad of the battery or inaccurate readings will result. Basic hand tools may be needed to ensure the terminal is tight.
3. Never use steel bolts/nuts/washers, etc., when testing a side terminal battery with a conductance tester.
4. Never clamp the tester's leads directly to the studs when testing a top stud battery with a conductance tester.
5. ACDelco ST-1201 side terminal/top stud adapters are for the charging and load testing of batteries only. They should not be used when testing a side terminal or top stud battery with a conductance tester. Inaccurate readings will result due to the coating on the ST-1201 adapters.



Technical

Date: June 25, 2008	Bulletin Number: 08D-105
To: All Distributors	Category: Service
From: Jeff Spitzer, Product Service	Line(s): 07

Subject: Improper Use of Conductance Type Testers on New Batteries

Description

Conductance is a measurement of a battery's current producing capability. This technology can help accurately identify batteries that have reduced performance after being in service. Conductance type battery testers should never be used to determine state of health, state of charge, or CCA rating of a new, never installed battery. New batteries will develop their full performance capabilities only after a period of cycling in a vehicle.

If an installer wishes to check the condition of a battery prior to installation, ACDelco recommends only measuring open circuit voltage (OCV). An OCV of 12.24V is adequate to provide the power requirements for starting most vehicles under most conditions.

All batteries will self discharge and deteriorate in condition over time, therefore making proper rotation of inventory essential.

Conductance testing of new batteries should never be used to determine the warrantable condition.

Refer to ACDelco Service Bulletin 06D-J-092 (attached) for further information on conductance testing of batteries that have been in service.

ACDelco/GM service bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer." They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely.

© Copyright ACDelco/General Motors Corporation. All Rights Reserved.

