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Title: Ensure Accurate Battery Test Results When Using MidTronics Tester**Applies To: All vehicles when testing batteries**

DESCRIPTION

Failure to properly and completely follow the instructions for use of the MidTronics battery tester may result in a false indication of a failed battery. This results in unnecessary and costly replacement of good batteries.

TOOLS REQUIRED

Tools	Qty.
MidTronics inTellect EXP battery and electrical diagnostic tester	1

TEST PROCEDURE

Refer to and closely follow the [instruction manual](#) for the EXP tester.

Two common mistakes lead to inaccurate failure reports, and unnecessary replacements:

1. Failure to use the stud adapters included with the tool.

The stud adapters **MUST BE USED** for all battery tests. Without the adapters, the tester's connection to the battery is not correct, and is likely to result in false results. The following is reprinted from Section 4 of the manual:

CAUTION: To ensure accurate test results for Group 31 batteries, the clamps are designed to connect to lead stud adapters or to the lead bases of threaded studs. Never connect the clamps directly onto the threaded studs. When testing at side posts, always use lead terminal adapters. Do not test at the battery's steel bolts. To avoid damage, never use a wrench to tighten the adapters more than 1/4 turn. Failure to properly install lead terminal adapters, or using adapters that are dirty or worn, may cause false test results.

2. Failure to fully charge batteries for re-test when prompted

If the tester prompts for a "Charge and Retest", the batteries being tested **MUST BE FULLY CHARGED** before proceeding.

Failure to fully and properly charge the batteries may result in a false failure indication on battery that is actually good.

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