



Countries: CANADA, UNITED STATES, MEXICO
Availability: ISIS, Bus ISIS, FleetISIS, IsSIR
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Current Language: English
Other Languages: NONE
Viewed: 59

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Coding Information

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Title: PicoScope Test- Battery Loss of Charge - Parasitic Draw Test

Applies To: All International / IC and Other Makes & Models

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

08/19/2022 - Initial Article Release

DESCRIPTION

This procedure was created to guide a technician through the proper diagnostic steps in diagnosing vehicles with a parasitic draw.

SYMPTOM(s)

Load Shedding / Jump Starting / Dead Batteries

SPECIAL TOOL(s) / SOFTWARE

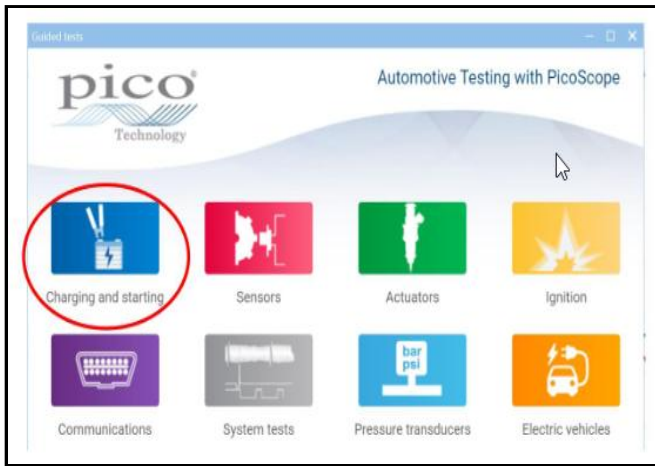
Tool Description	Tool Number	Comments	Instructions
PicoScope	4425A		
0-2000 or 0-60 Amp Clamp	TA388 or TA473 or Equivalent	Measures between 10mA - 60A	

DIAGNOSTIC STEP(s)

1. Open PicoScope software



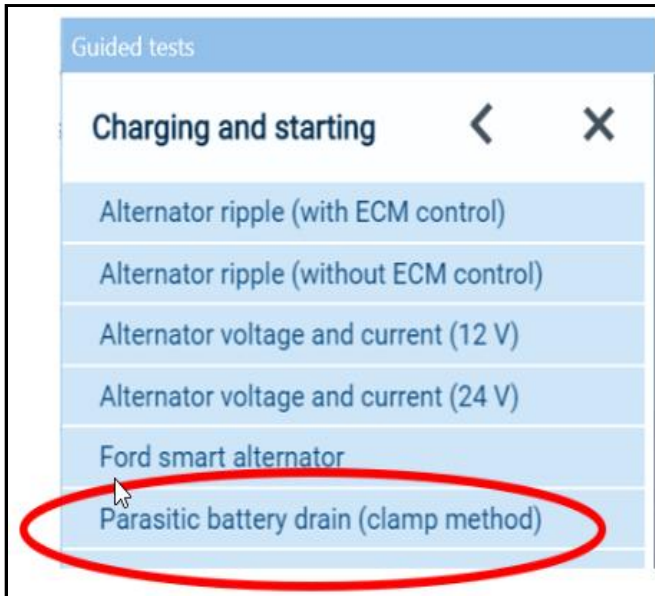
2. Select Guided Tests



3. Select Charging and Starting

4. Select Charging

5. Select Parasitic Battery Drain

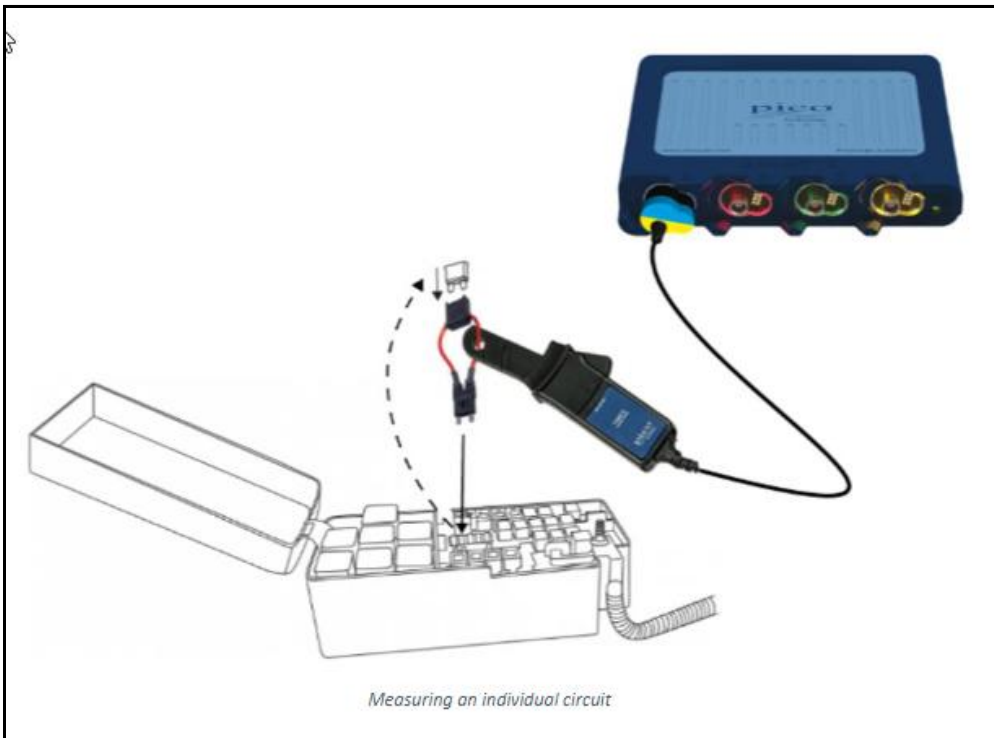
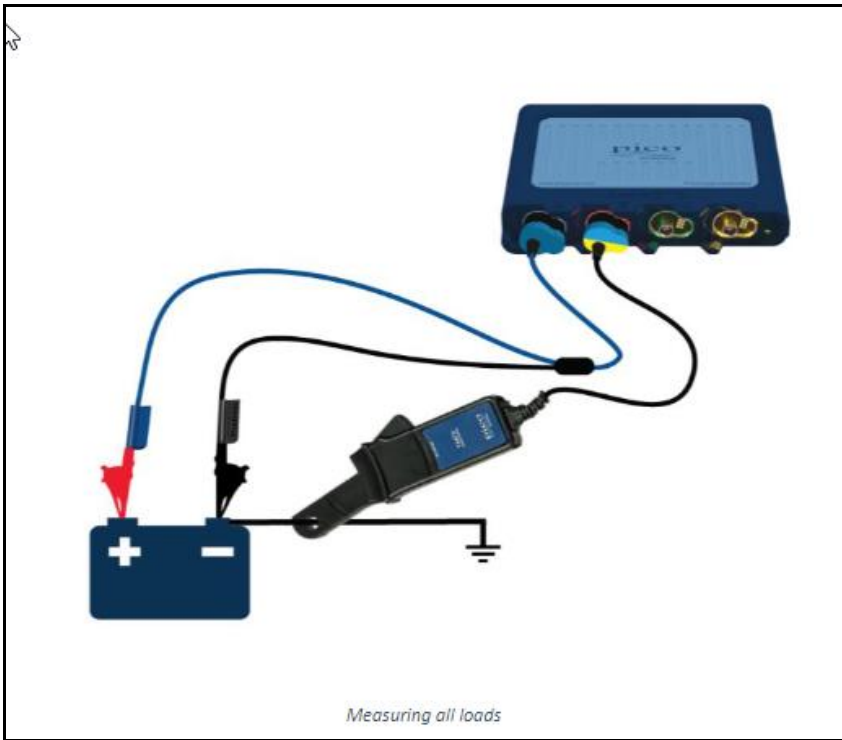


6. Select Guide and settings file

7. Connect PicoScope as defined in the examples below

Example: Measuring All Battery Loads

Example: Measuring an Individual Circuit



5. To begin operation move your cursor and tap on **RUNNING**.



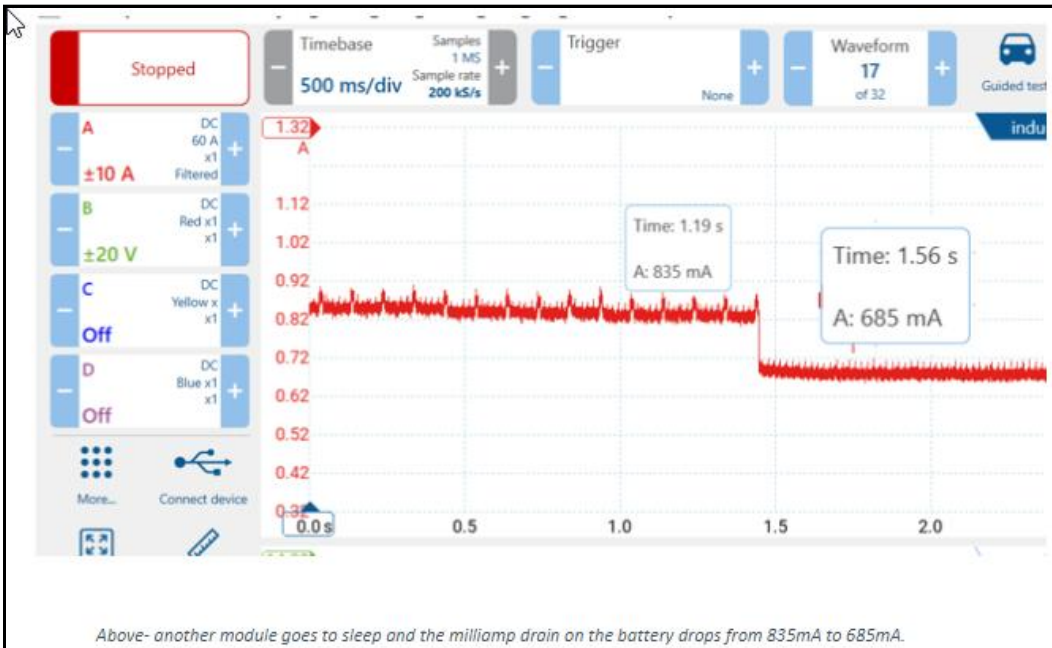
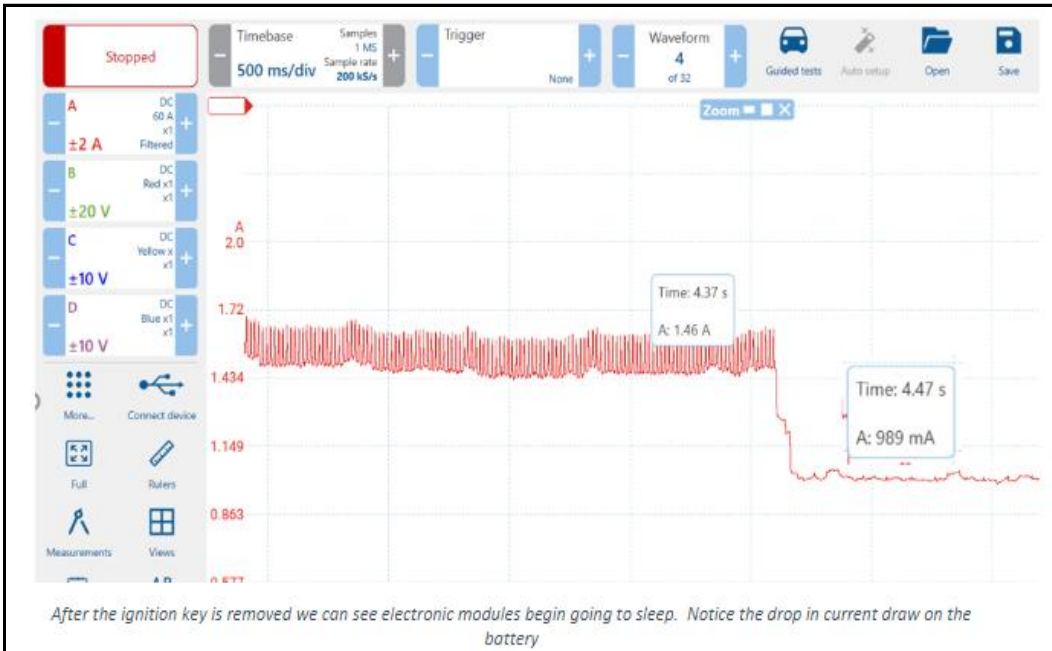
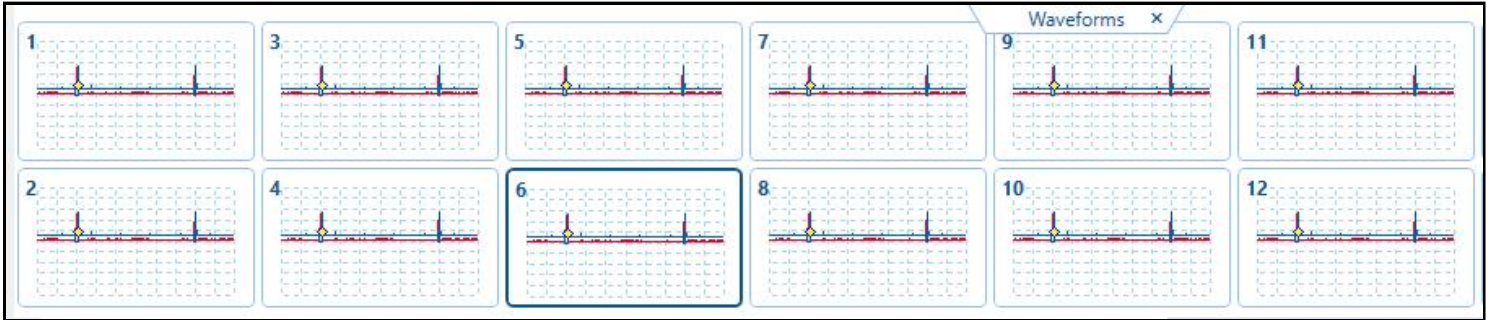
6. Reproduce the concern by road-testing or wiggle testing a wiring harness. After the concern has been identified move your cursor and tap on **STOPPED**.



7. Review recordings tap on **WAVEFORM** see *examples below*.

DATA ANALYSIS

Review each recording to help identify when a concern occurs by expanding out each graph and adjusting **time and division**.



WARRANTY INFORMATION

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Standard Repair Time(s):

Refer to the [SRT Manual](#) for Repair Times if none are present refer to T-time policy.

OTHER RESOURCES

[Master Service Information Site](#)

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