

Section 3

Battery & Electrical System Service Equipment

- Battery Chargers / Boosters
- Battery System Analyzer
- Battery Testers & Electrical System Testers
- Insulation Resistance Multimeters and Testers



APPROVED DEALER EQUIPMENT

Section 3:

This section features a selection of Battery & Electrical System Service Equipment available through the Lexus Approved Dealer Equipment program. All product has been reviewed and approved by Toyota Motor Sales, USA.

Suppliers:

- Clore Automotive Products
- Fluke
- Midtronics
- Snap-on Tools

For additional product information or to contact a program representative

CALL: 1-800-368-6787

*Snap-on
Equipment Solutions*

Battery & Electrical System Service Equipment

This is an introduction to Battery & Electrical System Service Equipment. Within this section you will find the latest units for charging/testing batteries and related accessories. Some things to consider when shopping for Battery Chargers and Boosters and/or related accessories, would be:

- All dealers were sent a Midtronics NVS-8150 tester and a Midtronics GR8 intelligent tester / charger for battery testing / replacement. Additional / replacement units are now available through the Lexus Approved Dealer Equipment program.
- HYBRID BATTERIES ARE HIGH VOLTAGE AND MUST BE CHARGED USING THE TOYOTA THS CHARGER.

When considering a purchase of any capitol equipment, please contact your regional manager at 1-800-368-6787 for assistance in configuring the proper set-up for your environment.

BATTERY CHARGERS/BOOSTERS

SUPPLIED BY: CLORE AUTOMOTIVE PRODUCTS

Fast Chargers/Boosters

Maximum performance and charging speed make Christie chargers the choice of busy battery service shops. All have at least 70 amp continuous ratings and are listed for outdoor, all weather use. Protection from damage to vehicle engine electronics due to voltage spikes and prevention of sparks that can cause explosions are standard Christie exclusive features. The new computer controlled model PDQ can put a discharged battery back in service in 20 to 40 minutes for maximum customer satisfaction and service bay efficiency.

Features

- Automatic reverse polarity protection helps prevent battery explosions and onboard computer damage due to reversed connections.
- "Surge" or "spike" protection prevents electrical current spikes that can damage onboard computers during battery charging.
- Professional-duty construction - cabinet built of heavy, galvanized powder coated steel; 6" rubber wheels; solid copper transformers; heavy-duty industrial grade silicon steel diode rectifiers; industrial grade copper cables with vinyl coated 500 amp clamps
- U.L. listed - tested for outdoor, all weather use.

Models

- CAP400-QWC - Heavy duty fast charger/booster. Charges 6/12 volt maintenance free with three charge rates at each voltage and regular batteries.
- CAP400-QDD - Sulphated battery charger. "Dud Buster" automatically adjusts to normal charging voltage once battery accepts normal charging current.
- CAPFDC - Fleet duty battery charger/booster. Provides high performance 6/12/24 Volt, AC input power: 120 Volts, 15 amps, 60 Hz.
- CAP500-BTC - Combination charge/boost. Fast charge and load test batteries with one hook up. Load test capacity: 900 CCA.
- CAPPDQ - "PDQ" fast charger/analyzer. The first patented computer controlled service bay charger designed for speed and safety. A/C input power: 120 Volts, 20 amps, 60 Hz, DC output power: 12 Volts (nominal), 80 amps (max), CSA/URTL certified.



CAP400-QWC



CAP500-BTC

BATTERY CHARGERS/BOOSTERS

SUPPLIED BY: CLORE AUTOMOTIVE PRODUCTS

Jump-N-Carry Portable Power Source

The Jump-N-Carry line of portable power sources/jumpstarters serves the professional market by offering powerful, versatile units that can stand up to the everyday rigors of shop use. Built tough, Jump-N-Carry products lead the way when it comes to power-per-pound, resulting in no compromise between the words portable and power.

Features:

- Sealed lead acid (AGM) battery type.
- Convenient battery status gauge.
- Impact resistant case.
- Heavy-duty cable.
- 12 Volt DC accessories outlet.
- 1 Year Limited Warranty.

Models

- LSLJNC4000 - 1100 Peak Amp 12 Volt Jump Starter with 23" long #4 gauge cable.
- LSLJNC660 - 1700 Peak Amp 12 Volt Jump Starter with 46" long #4 gauge cable.
- LSLJNC950 - 2000 Peak Amp 12 Volt Jump Starter with 46" long #2 gauge cable.



LSLJNC4000

CAPCS-3 - "Smart Starter" Safety Booster Cart

Instant starting power with "no spark" dead clamp hookups. Comes with 12' remote boost switch. Start up to 30 cars on a single charge. Polarity and voltage sure/spike protection.



CAPMCS-10 - Multiple Charging Station

Recharge 10 batteries in parallel with easy, simple, no adjustments operation for battery stock maintenance and overnight battery charging. AC input power: 120 Volts, 15 amps AC, 60 Hz, DC output power: 12 Volts (nominal) 40 amps (continuous).



CAPHDBC124 - Heavy Duty Professional Booster Cables

Christie Booster Cables are all built from #4 heavy industrial cable and have our best 500 amp vinyl coated side-terminal clamps. Free safety goggles are included.



BATTERY CHARGERS

SUPPLIED BY: SNAP-ON TOOLS

BC5500B - Super Battery Charger

The BC5500B Super Charger is a powerful, high rate battery charger capable of continuous charge, timed charge and cranking assist. The BC5500B can charge all 6 volt and 12 volt batteries including, standard, maintenance free and hybrid types. This top-of-the-line battery charger includes three low profile controls. The "Course Rate" control has two settings for 6 volt and 12 volt batteries. The "Fine Rate" control has four settings to handle different battery types. The "Length of Charge" control has 90 minute timer plus a "Hold" setting.

**BC4200B - Fast Automotive Battery Charger**

The Fast Charger is a powerful, high rate automotive battery charger capable of continuous charge, timed charge and cranking assist. The BC4200B Fast Charger can charge all 6 and 12 Volt batteries including, standard, maintenance free and hybrid types.

**BC15500 - Booster Cable**

Professional-Quality Booster Cables. Heavy-gauge cables with 100% copper stranding. Clamp bodies are fully insulated, and their copper jaws are recessed to minimize the chance of sparking if the cables should accidentally touch each other. Heavy-duty clamp springs bite securely on top or side battery posts. 15' long, 4-gauge.

**BATTERY SYSTEM ANALYZER**

SUPPLIED BY: MIDTRONICS

Digital Battery System Analyzer

The Lexus Digital Battery System Analyzer gives dealers the best features in battery test technology today. Give Lexus technicians more information to satisfy the customer by finding real problems faster.

Features

- Combines additional test inputs, measurements and processing power to deliver improved battery testing accuracy and decisiveness.
- Advances State-of-Charge (SOC) compensation for better decisions on borderline batteries.
- Multi-signal processing for identifying battery defects even at an extremely low voltage
- Direct IR temperature measurement and compensation for improved decision-making
- Toyota specific battery test algorithms including test-by-vehicle input means improved accuracy and decisiveness and faster customer service.
- Advanced reporting and data management tools.
- Midtronics upgrade wizard (MUW) software.
- Flash-based software updates and training.
- Alphanumeric keypad, arrow key scrolling and hot keys.
- Enhanced custom printouts showing state of health and state of charge. Print test results quickly to consult with customers.
- PIN protected administrative setup function.
- Handheld tester platform gives technicians/ASMs the portability required in the shop and on the service drive.
- Meets required guidelines for warranty, service and PDS.
- Utilize the most advanced testing technology for a complete solution to all battery related problems.
- Increase sales opportunities by performing comprehensive battery tests in less than 10 seconds on every customer's vehicle.
- Save time and money by making more accurate decisions on marginal batteries (reduces the number of recharge/retest events).
- The new State-of-Health (SOH) and State-of-Charge (SOC) test results gives the dealer the visual tools to communicate the expected lifespan of the battery, presenting you with the opportunity to replace a weak or marginal battery before the customer is stranded.

Models

- MTRNVS8150 - Digital battery system analyzer.
- MTRNVS8150KT - Digital battery system analyzer with printer.

**MTRNVS8150KT**

BATTERY TESTERS & ELECTRICAL SYSTEM TESTER

SUPPLIED BY: CLORE AUTOMOTIVE PRODUCTS

Load Testers

Offers rugged, accurate battery testing capacity for heavy use battery service. Large meter displays results in simple English, pass/fail messages.

Features

- Simple operation and appearance
- Suppressed zero scales provide enlarged display area for better accuracy.
- Accuracy is improved by simple temperature dial to input battery temperature.
- Also tests alternator and regulator output voltage; checks for faulty cables, shorts and starter motor faults.
- Tester cables are heavy industrial grade with built-in internal sense leads.
- Clamps are vinyl coated for long life with 500 amp jaws (CAPCT-800 has 800 amp jaws).



CAPCT800-TC2

Models

- CAPCT-500 - 500 amp carbon pile load tester only.
- CAPCT-800 - 800 amp carbon pile load tester only.
- CAPCT500-TC2 - 500 amp carbon pile load tester, convection cooled; dual 4-1/2" large scale meters. Includes mobile cart.
- CAPCT800-TC2 - 800 amp carbon pile load tester, fan cooled; dual 4-1/2" large scale meters. Includes mobile cart.
- CAPBT900-TC2 - Precision 900 CCA battery load tester, fixed load for batteries up to 900 CCA. Includes mobile cart.

CAPTC2

Sturdy roll-around stand assures steady handling for vehicle service use. Includes large battery tool box and clamp brackets.

BATTERY TESTERS & ELECTRICAL SYSTEM TESTER

SUPPLIED BY: CLORE AUTOMOTIVE PRODUCTS

CAPCST800 - Charging System Tester

Heavy duty, fan cooled high current testing for 6 and 12 volt automotive electrical systems including battery, alternator and starter. Offers rugged, accurate testing capacity for heavy use service. Load: 0-800 amps, Cooling: Fan, Duty Cycle: 1 battery/2 minutes.



CAPAP600 - Inductive Amp-Probe

A portable, inductive amp-probe that is designed to work in conjunction with Christie battery load testers for checking charging system/alternator current output. 600 amp auto range capacity, uses 9 volt battery.



BATTERY TESTERS & ELECTRICAL SYSTEM TESTERS

SUPPLIED BY: MIDTRONICS

MTRMCR700 - Micro 700 Heavy Duty Electrical System Analyzer

Quickly and efficiently test multiple heavy-duty batteries, battery packs (in parallel, series, or series-parallel configurations) and electrical systems, determining where the problem lies within seconds even on batteries discharged down to one volt. Tests 6 and 12 volt commercial batteries from 100-1700 CCA. 12 and 24 volt charging system diagnostics.



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GR8 Battery Diagnostic Station

This all-in-one portable battery diagnostic station offers intelligent, controlled, and rapid charging combined with battery state-of-health analysis. Routine maintenance checks are performed quickly and efficiently by identifying batteries nearing the end of their useful life before they fail out on the road. The contoured rolling cart with detachable controller and optional integrated printer give you maximum flexibility for customer consultations anywhere in your shop.

Features

- MOSFET Soft Switch Charging Technology.
- Dynamic Conductance Technology with advanced charge control.
- Precision charging voltage and current control.
- Optional Integrated Printer.

Models

- MTRGR8TNGC - Battery Diagnostic Station.
- MTRA141 - Optional Printer for Battery Diagnostic Station.



MTRGR8TNGC

INSULATION RESISTANCE MULTIMETER AND TESTER

SUPPLIED BY: FLUKE

FLU1587 - Insulation Multimeter

Combines a digital insulation tester with a full-featured, true RMS digital multimeter in a single, compact, handheld unit, which provides maximum versatility for both troubleshooting and preventative maintenance. Includes: remote probe, test leads, alligator clips, K-type thermo-couple, hard case, four AA alkaline batteries, quick reference guide, CD ROM with manual.



FLU1507 - Insulation Resistance Tester

The Fluke 1507 Insulation Tester is compact, rugged, reliable, and easy to use. With its multiple test voltages, it is ideal for many troubleshooting, commissioning, and preventative maintenance applications. Additional features, like the remote probe on this tool saves both time and money when performing tests. Includes: remote probe, test leads, test probes, alligator clips, holster, user documentation.

