ELECTRONIC DIAGNOSTICS



YouTube

otctools.com

QUESTIONS?
☎ 888 789 2602

PROTECT YOUR INVESTMENT

REPAIR TRACK AND TOOLGUARD™ SERVICE COVERAGE PACKAGES YOU CAN COUNT ON

At OTC, we recognize that your purchase of OTC tools and equipment is an important investment in your business. The service information provided below demonstrates our commitment to you with online support and extended service coverage you can count on.

Warranty Registration

Warranty registration is the most important step in providing exceptional customer service. Registration is available online at https://register.servicesolutionsportal.com or call us at 1-800-533-6127 and follow the prompt for OTC technical assistance.

Repair TRACK

RepairTrack offers you the ability to manage your repair experience with OTC products by providing you with an easy way to send your product in for repair and track it.

- From the moment it leaves your facility to the moment it returns, you will have the latest information.
- Generate a Repair Return Authorization by printing out a UPS tracking number directly from this site.
- Review and approve Repair Estimates online.
- Make Credit Card payments for your Repairs online.
- Up to date warranty and service information include any special programs that exist with your product.
- Find out the latest repair policies and procedures, and where to go for additional information.
- Don't miss this valuable service.

For technical support or repair service on your OTC tools or equipment, log on to repairtrack.bosch-automotive.com or call us at 1-800-533-6127 and follow the prompt for OTC technical assistance.

ToolGuard™ Extended Service Contract

OTC provides factory warranty coverage with your tool. It's likely you will be using your tool well beyond your factory warranty. To continue protecting your investment and budget your maintenance costs, consider keeping coverage with the ToolGuard™ Extended Service Contract.

To check on available coverage for your tool, call us at 1-800-233-7055 or send us an email at toolguard@bosch-automotive.com.

Scan Tools

AutoBoss 26
Can Test Box 13
Encore™ 8, 9
Fuel Injection Pulse Test 13
Genisys EVO® 10, 11
Genisys Touch™ 4-7
InfoLogger OBD II & EOBD Data Recorder 20
Multimedia Interface Test 13
OTC Ready Scan™ Readiness Monitor Tool 20
PocketScan® Code Reader 15
Scan Tool Accessories and Cables 22-25
Scan Tool Comparison Chart 16-17
Scanpro™ Elite 14
Tech-Scope™ 13
Trilingual OBD II, CAN, ABS & SRS Scan Tool 14
Trilingual OBD II/EOBD & CAN Scan Tool 15
Vechile Communication Inferface 12

Heavy-Duty Diagnostics

Code Reader 19
Digital DEF Tester 20
HD Scan Tools & Software 18, 19
HD Scan with Ez-Tap 18, 19
Heavy-Duty, Remote Starter Switch 43

Meters and Scopes

Automotive 2-Channel Lab Scope 21
Automotive Multimeter 34
Digital Multimeter 19
Multimeter Testers 32, 33

Multi System Testing

Smoke Machine 27

TPMS Solutions

EZ-Sensor Programming 30
OBD II TPMS Tool 28, 29
Tire Pressure Monitoring System Reset Tool 30
Tire Pressure Monitor Kits & Accessories 31

Battery Equipment

Antizap Auto Surge Protector 41
Battery Diagnostic Manual 39
Battery Reset Tool 15
Diesel Fuel Pressure Tester 39
Diesel Glow Plug Tester 39
Digital Battery Tester 39
Heavy-Duty Battery Testers 38
MinuteMan Plus 40
OneStep™ Battery Analyzer & Charger 40
Phototach 41
Professional Memory Saver 41
Smart Battery Charger and Maintainer 41
Smart Battery Tester 36, 37
100-Amp Battery Load Tester 39
130-Amp Digital Battery Load Tester 39
130-Amp Heavy-Duty Battery Load Tester 39

Electrical Testers

Circuit Testers 42
Diesel Emission Tester 44
Digital Pressure & Temerature Analyzer 34
Electronic Ignition Spark Tester 43
Electronic Stethoscope 43
Ignition System Quick Test Kit 43
Oil Light Reset Tool Kit 21
Rotating Electrical Alternator
Starter Bench Tester 35
Terminal Test Kit 43
Terminal Test Kit with Circuit Tester 43
Test Leads 43
Timing Lights 21
Universal Gauge & Component Tester 43
Video Inspection Camera 20

FASTEST DIAGNOSTIC FLOW IN THE INDUSTRY

ROAM THE SHOP FLOOR WITH WIRELESS J2534 COMPLIANT VCI



CONTINUING COVERAGE IMPROVEMENTS

GET THE MOST OF THE 12-MONTH SUBSCRIPTION BY UPDATING YOUR TOOL. THE LATEST UPDATES INCLUDE:

- New USA Domestic / Asian / European vehicle coverage with multiple releases through the year
- Frequent updates to the largest experience-based solutions available, already with over 30 million specific fixes
- Performance improvements, user interface, repair information and product enhancements included



Battery Disconnect Procedures, Key FOB and Remote Reprogramming!
The battery update covers Domestic and Import vehicles 2000 to present, with partial coverage for 1991-1999. Procedures include battery disconnection precautions, power windows, locks and sunroof reprogramming, engine and body control system resetting and more.

The key and remote programming update covers Domestic and Import vehicles 1996 to present, with partial coverage for 1993-1995. Procedures include system operation, unusual features, programming procedures, illustrated battery replacement procedures for remote and key transmitters and more.

CODE-TO-FIX™

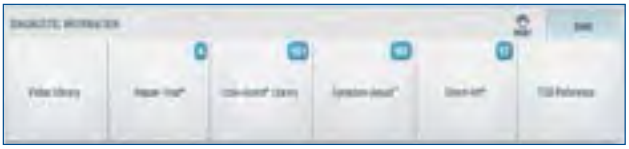
BY PATTERN, SYMPTOM, CODE OR ANY WAY YOU LIKE – EVEN BY SEARCHING THE INTERNET

AUTODETECT™

Genisys Touch software automatically detects and alerts the technician of on-tool or web-based repair information

EXPERIENCE-BASED DIAGNOSTICS

On Tool	
Code-Assist®	Provides more than 8 million experienced-based Confirmed Fixes™ for vehicle specific, individual OBD-II Diagnostic Trouble Codes (DTCs).
Repair-Trac®	The largest database of known vehicle-specific fixes available to the automotive aftermarket. Includes coverage from 1969 through 2009 for USA Domestic, USA Asian, and USA European vehicles.
Symptom-Assist™	Provides nearly 13 million experienced-based Confirmed Fixes™ for specific symptoms for specific vehicles.
Web Based	
Fast Touch Websites	Connect to the shop's Wi-Fi to access your favorite websites right within live diagnostic sessions so no workflow is interrupted.
Direct-Hit®	Includes a free 60-day trial subscription.



ON TOOL REPAIR INFO

Pathfinder Trouble Shooting	Provides critical information: Code information, Symptoms, Specifications, TSB references, Data/sensor information, Component location, PCM connector information.
InfoTech Component Information Database	A vehicle-specific repair information database for testing most common vehicle components.

START THE REPAIR

WI-FI INTERNET ACCESS AND MULTI-DEVICE PAIRING FOR MAXIMUM SHOP PRODUCTIVITY

CONNECTIVITY

Partner up with the included OTC J2534 Communication Device. Or pair up with the optional PC-based 2-Channel Tech-Scope® or TPR Tool via long-range Class 1 Bluetooth®



Access the Internet browser within a live diagnostic session and visit one of the Fast Touch websites known by technicians for their wide range of repair information and fixes.



LEARN THE TEST

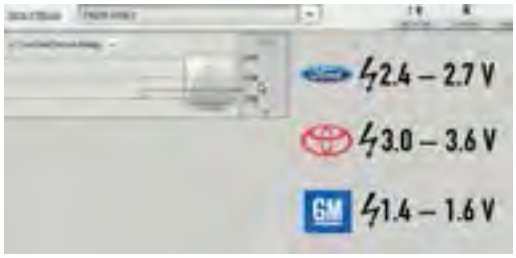
VIDEO TRAINING ON SCAN AND SCOPE TEST PROCEDURES, TOOL OPERATION AND MORE

EMBEDDED TRAINING VIDEOS

Videos within live diagnostic sessions don't interrupt workflow.



In one minute or less, learn test procedures commonly used by technicians every day. An instant alert shows if a video is available for the specific year/make/model selected. No need to attend a lengthy training class, or search on your smartphone — learn it now!



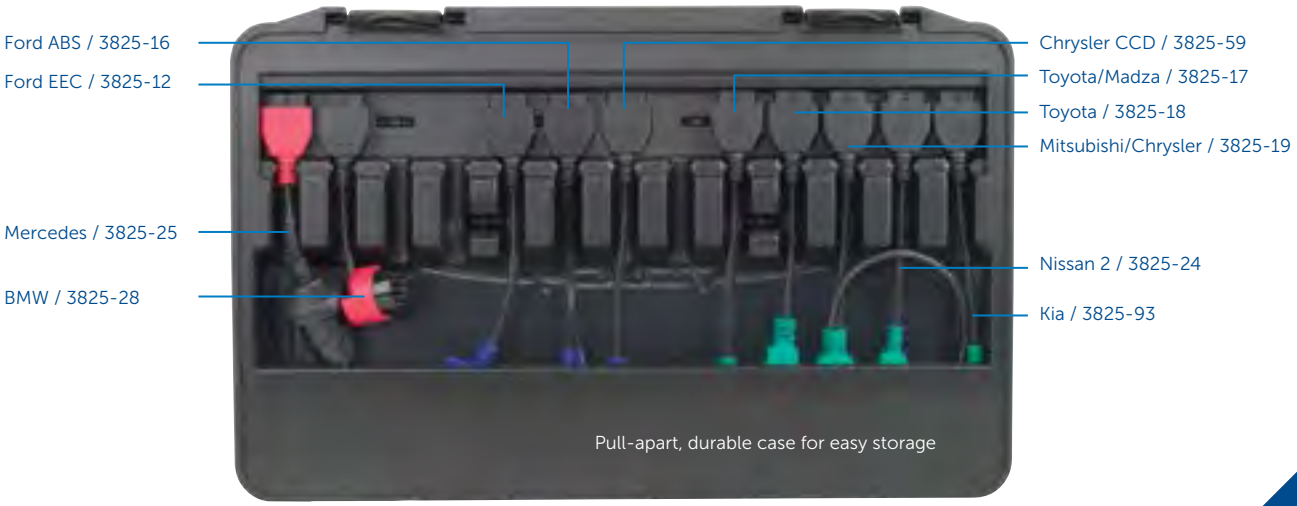
Read OEM-specific data where available



Watch videos any time in the video library

ALL MAKES COVERAGE KIT

ALL REQUIRED OEM ADAPTERS FOR VEHICLES 1996 AND NEWER



Pull-apart, durable case for easy storage

GO HOME EARLY TODAY

SHORTEN YOUR DIAGNOSTIC TIME, MAXIMIZE BILLABLE LABOR HOURS, AND GET THE REPAIR DONE FROM CODE-TO-FIX™ FASTER THAN EVER BEFORE

PRODUCTIVITY ENHANCEMENTS

Automated System Test	All System DTC Scan	Software Wi-Fi Updates
Perform a Comprehensive Health Test. Provides DTCs (generic and enhanced), Freeze Frame, Mode 6 Component Test, Mode 5 Oxygen Sensor Tests, Mode 1 Readiness Tests, and more.	Perform a trouble code check of all supported vehicle systems in seconds. Fast validation that all systems are clear of DTCs before or following a repair. Test Generic and Enhanced DTCs, then store and print the record.	12-month software subscription included.

GENISYS TOUCH™ DELUXE KIT

3895
Genisys Touch™ Deluxe Kit
Includes a ruggedized 10" high resolution display tablet, J2534-1 / -2 compliant Vehicle Communications Interface (VCI), 10 OEM adapters, OBD II cable, USB cable, 12V power cable, AC power supply and custom carrying case.



3895-08
Genisys Touch™ 12 Month Software Subscription
Genisys Touch Domestic, Asian and European Software 12 month subscription kit provides a year of frequent and valuable updates for new coverage, coverage enhancements, repair information and application improvements.



3825-12 Ford EEC Adapter	
3825-16 Ford ABS Adapter	
3825-59 Chrysler CCD	
3421-93 Kia Adapter	
3825-17 Toyota DCL 1/ Adapter	
3825-18 Toyota DCL 2/ Adapter	
3825-19 Mitsubishi/Chrysler "Y" Adpater	
3825-24 Nissan 2 Adapter	
3825-25 Mercedes 38 Pin Adapter	
3825-28 BMW Adapter	

DIAGNOSTICS FOR LIFE



FASTEST CODE-TO-FIX® WITH A LIFETIME WARRANTY*

NEW BRAVO 2.0 SOFTWARE IS FASTER AND MORE RESPONSIVE

OTC has re-launched the Encore with enhanced diagnostic coverage and a lifetime hardware warranty. The mobile, Android-based system is easy to use, intuitive and fast.

No tool helps you fix faster than OTC Encore

- Re-engineered Bravo 2.0 software is faster, more responsive and includes major and minor bug fixes.
- First OTC tool with Bosch coverage database for European vehicles, focusing on Mercedes-Benz, BMW and Volvo
- Boot up in less than 15 seconds
- AutoID faster than anybody — identify CAN vehicles in less than 5 seconds
- Read and clear codes in seconds
- Access top reported code fixes in seconds
- Extended-hours tech service includes days, nights and Saturdays. Call 888-789-2602.

30 Years of Unmatched OE Coverage

Alert technicians to on-tool or web-based repair information including Identifix® Direct-Hit™. Full scan functionality, including OEM Domestic, Asian and European, bi-directional controls and enhanced data Perform a Google search right within a diagnostic session.



✓ LIFETIME WARRANTY*
✓ FASTEST TO FIX
✓ EXPANDED COVERAGE

- Android OS
- 7-inch screen
- Wi-Fi
- Bluetooth®
- Built-in repair information
- Touch-screen, capacitive display
- Embedded Google™ Search
- Deep-link to Identifix® Direct-Hit™

The Android robot is reproduced or modified from work created and shared by Google and used according to terms described in the Creative Commons 3.0 Attribution License.

NO OTHER SCAN TOOL COMPARES

One Touch AutoID™
Automatically detects CAN vehicles 2005 or newer to quickly set up year, make, model and engine — all in one tap.

One Touch DTC Fixes
Tap to get codes with access to millions of confirmed experience-based fixes.

Onboard Battery
Technicians asked. OTC listened. Avoid re-entering the vehicle ID and losing data when you cycle the key.

Embedded Training Videos
More than 70 videos show how to perform test procedures or functions in one minute or less.

Fast Touch Home Page
Custom browser home page with access to popular technician forums right from Encore.

30 MILLION EXPERIENCE-BASED REPAIR SOLUTIONS

No other tool has embedded Identifix® assets available during every type of repair, including Code-Assist™, Symptom-Assist™ and Repair-Trac™. OTC has added improvements to its 30 years of OEM level coverage with critical emphasis on most common vehicles seen by technicians every day (out-of-warranty vehicle years 1996-2012 for all OEMs).

Since OTC became part of the Bosch Automotive Service Solutions portfolio in 2012, we've combined our OTC and Bosch diagnostics coverage and made specific improvements to Land Rover, Subaru and Jaguar.

BATTERY DISCONNECT, KEY FOB AND REMOTE REPROGRAMMING PROCEDURES

The battery update covers Domestic and Import vehicles 2000 to present, with partial coverage for 1991-1999. Procedures include battery disconnection precautions, power windows, locks and sunroof reprogramming, engine and body control system resetting and more.

The key and remote programming update covers Domestic and Import vehicles 1996 to present, with partial coverage for 1993-1995. Procedures include system operation, unusual features, programming procedures, illustrated battery replacement procedures for remote and key transmitters and more.

HEAVY-DUTY SOFTWARE AND WIRELESS TPR*

The first integrated diagnostics tablet for Android™ with fast startup and onboard battery has just released wireless TPR and Heavy-Duty software.* Pair up with the optional 3834T OTC TPR TPMS Tool via Bluetooth®. The 3895-07 Heavy-Duty Standard kit is available for reading DTCs and viewing live data on Class 4 – 8 vehicles.





Check out the Encore TPMS registration process here.

ENCORE KIT



3893
Encore Kit
Encore, OBD II cable, USB cable, power adapter and hard carrying case.

3893MVCI
Total Shop Solution – 3893MVCI OTC Encore + Bosch Mastertech VCI. For details on the Mastertech VCI see page 48.

3893-LTW
Encore 1-Year Subscription & Lifetime Hardware Warranty
Encore Domestic, Asian and European Software 1-year subscription kit provides a year of frequent and valuable updates for new coverage, coverage enhancements, repair information, application improvements and includes the Diagnostics for Life* lifetime hardware warranty.

Diagnostics for Life* lifetime hardware warranty means OTC supports your Encore for as long as you own it, as long as you update it.



*The "hardware warranty" applies to the Encore scan tool tablet only. Accessories, such as cables, adapters, batteries and case remain the 90 Day factory warranty from purchase.

GENISYS EVO 2014 SOFTWARE



MORE THAN 35,000 COVERAGE ADDITIONS IN 2014*

- Added coverage through 2014 for GM, Ford & Chrysler/Jeep
- Expanded systems coverage for many older Chrysler/Jeep and GM vehicles
- Expanded coverage for Ford Battery Monitor System Reset for 2011-2013 vehicles
- New coverage for Reprogram Injector Flow Rates for 2006-2014 Duramax diesels, required after replacing an injector

BMW - Battery Exchange Register, Calibrate Lateral Accel Sensor, Front Brake Zeroing, Inspection/Service Interval Reset, Oil Service Reset, Parking Brake tests, Rear Brake Zeroing, TPMS Registration

Chrysler/Jeep - Alternator Field Control, ABS Brake Bleeds, Height Sensor Check, Set Ride Height Level, Steering Angle Sensor Calibration, TPMS Registration

Fiat - Clear Steering Pull Compensation

Ford - Automated Bleed, Battery Monitor System Reset, Battery Saver Relay, Calibrate Lateral Accel Sensor, Calibrate Longitudinal Accel Sensor, IVD Sensor Calibration, Yaw Rate Sensor Calibration

GM - Brake Bleeds, Fuel Filter Life Reset, Oil Life Reset, Park Brake Cable Service Apply and Release, Power Steering Softstops Reset, Reset Trans Oil Life, Steering Angle Sensor, TPMS Registration

Honda - ATF Reset, Oil Life Reset, Steering Angle Sensor Calibration, TPMS Registration

Hyundai - Air Bleeding Mode, ASP Calibration, Pressure Sensor Calibration, Steering Angle Sensor, TPMS Registration, Wheel alignment procedure

Kia - Electric Park Brake Actuator Control Apply and Release, Air Bleeding Mode, TPMS Registration

Mazda - Automated Bleed, IVD Sensor Calibration, TPMS Registration

Mercedes - Clear Maintenance Intervals, Electric Parking Brake tests, Suspension tests, TPMS Registration, EHB Brake Bleed

Mitsubishi - All Sensor Calibration, Brake Bleeds, Steering Angle Sensor Calibration

Nissan - ABS Bleeds, Steering Angle Sensor Calibration, TPMS Registration, Zero Point Calibration

Smart - Alternator test

Toyota - ABS Bleeds, Battery Current Sensor Initialization, Suspension tests, Torque Sensor Adjustment, TPMS Registration, Zero Point Calibration

Volvo - Parking Brake service tests, Steering Angle calibration tests, Oil Light Reset tests, TPMS Registration, Battery Replacement and Battery Monitor Sensor Replacement

Audi - EPB Caliper Open and Close

* 30,000 new vehicle-ECU combinations, 3,500 new Systems, 2,800 new Bidirectional Tests

GENISYS™ / GENISYS EVO™ SOFTWARE KITS	
3421-149	Genisys 2014 Super Bundle Domestic/Asian/Euro/System 5.0 with memory (3.0 and Older)
3421-150	Genisys 2014 Domestic/Asian, 2013 Euro 5.0 Loyalty Kit (4.0 and Newer)
3421-151	Genisys 2014 System 5.0, 4GB Memory Kit



3421-149

GENISYS EVO™ KITS	3875	3874	3874TPR	3874HD
Domestic 2014 Software	•	•	•	•
Asian 2014 Software	•	•	•	•
European 2013 Software	•	•	•	•
System 5.0	•	•	•	•
OBD II Smart Cable	•	•	•	•
OEM Domestic Cable Kit		•	•	•
ABS Cable Kit		•	•	•
TPR TPMS Tool			•	
HD Software & Cables				•



3874TPR



3421-79
Genisys Heavy-Duty Starter Kit
Genisys Heavy-Duty Standard software includes J1587/1708 and J1939 CAN communications. Kit includes 9-pin Deutsch cable, 6-pin Deutsch cable, Smart Card, and PC software CD.
NOTE: System 5.0, 4GB card minimum required to install; see No. 3421-151.



3834
Tire Pressure Monitoring Reset Tool Kit
- Compatible with the entire Genisys family of scan tools.
- Use the TPR to activate and decode sensor ID's and transmit them to the Genisys wirelessly.
- Register new sensor ID's on Asian vehicles.
- Bluetooth wireless communication adapter included.
- Quick reference reset procedures can be quickly accessed on the Genisys.

REFLASH, REPROGRAM, REVENUE



3829

Reflash, Reprogram, Revenue

Have you ever spent hours of labor chasing driveability issues only to find out that there was a software update available for the vehicle's computer? Yesterday's shops only needed to address diagnostics. Today's shops must also incorporate reprogramming. In many cases on today's modern vehicles, reflash is the only way to fix:

- OE engineering corrections
- Poor performance
- Check engine light issues
- Premature component failure
- Driveability issues
- Emissions related problems
- And many more!

Features

- J2534-1, -2
- ISO 22900 -1, -2
- Standard and custom OEM protocols and pin-selections
- Wireless with advanced networking functions
- Built-in wireless and data storage
- USB
- Wireless configuration and connection manager applications

3829 includes: Vehicle Communication Interface, power supply adapter kit, OBD II cable, power supply cable, USB cable, J2534 training CD, quick start guide, one-year warranty and protective carry case.



OTC-700A

70 AMP Power Supply Battery Charger

A power supply for Flash Reprogramming is a device that connects to the vehicle's battery and outputs a designated supply of clean DC power. The OTC Power Supply/ Battery Charger will allow the shop to power the widest variety of vehicles during Flash Reprogramming.

Power Supply Features

- Constant voltage output selectable from 13.0 to 14.8V DC
- Output current up to 70 amps
- Clean power for flash reprogramming
- Provides power to vehicles on display

Battery Charger Features

- Fully automatic operation for 12V batteries
- Works with regular automotive, deep-cycle, AGM, and gel cell battery types
- Variable charge rates 4/20/70 amps
- Digital volts and amps display
- Manual mode with digital timer





3829-700A

Combines Reflash, Reprogram, Revenue and 70 AMP Power Supply Battery Charger

Powerful J2534 solution that includes a wireless VCI and a 70 amp clean Power Supply.



TECH-SCOPE™



3857
The OTC Tech-Scope™ is a standalone two-channel high-speed lab and ignition oscilloscope with multimeter that allows service technicians to quickly and efficiently test and measure virtually all of the electrical and electronic components and circuits in a modern vehicle. The tool features galvanic isolation not found on automotive scopes for hardware protection and includes an ignition scope and a digital multimeter with an ohm meter.
The Tech-Scope is capable of reading 40 million samples per second on each channel with 10 ohm input impedance—eliminating the need for special adapters to capture signals from critical components. The included InfoTech software provides a vehicle-specific repair information database for testing most common vehicle components with step-by-step test procedures using a lab scope or multimeter.

Oscilloscope Features:
- Lab scope, ignition scope and digital multimeter display are user selectable.
- Vertical cursors show time difference/frequency between the two cursors and waveform values at the selected points.
- Automatic record stores waveforms in a circular buffer with 50 screens of data.
- AC/DC coupling.
- Auto setup automatically adjusts the vertical scale, the sweep time and trigger point.
- Peak detect captures high speed signals at the maximum sampling rate, even at slow sweep speed and is user selectable.
- Ability to capture the analog and digital glitches, along with the current waveform.
- Selectable glitch sensitivity: low – medium – high.
- Ability to change the background color.
- Ability to play the recorded files.
- Ability to enable or disable the scale grids.
- Ability to enable or disable the scale display.
- Ability to save the screen shot of the display.

Digital Multimeter Features:
- Measures:
  - DC volts
  - True RMS AC volts
  - Ohms
  - Continuity check with audible beep features ability to turn audio on or off.
  - Frequency
  - Duty cycle
  - Pulse width
- Auto scale
- Screen refresh is at the rate of 10 times/sec.
- Ability to view the data in following graph types:
  - Strip chart
  - Dial chart
  - Bar chart
  - Digital chart
- Ability to view the minimum, maximum and average values.
- Ability to turn the grid lines on or off for strip chart.
- Ability to toggle the back-ground between two colors.
- Ability to turn the scale display on or off.

3857 includes: Tech-Scope, scope probe green, scope probe yellow, kV probe secondary, ground clamp USB cable, Tech-Scope CD, one-year warranty and protective carry case.



3398
Fuel Injection Pulse Tester



Fuel injector testing requires precision equipment. This vehicle powered tool fills that requirement. It enables you to check cylinder balance by firing individual injectors at 1/2-second increments in three different ranges: 1 pulse of 500 milliseconds, 50 pulses of 10 milliseconds, 100 pulses of 5 milliseconds.
- Power and output lights indicate test activation.
- Includes wiring harness adapter and instructions.

3395
Multimedia Interface Tester (MIT)



- Will pair via Bluetooth, Auxiliary or USB to vehicle to diagnose connectivity issues.
- Verify and diagnose customer complaints when connecting with infotainment systems.
- Provides a clean signal for accurate and reliable diagnostics.
- Works on Ford, GM and Hyundai vehicles.
- Includes a storage case that will accommodate the MIT and related adapters, etc.

3415
CAN Test Box
Breakout Box and Protocol Detector



- Connects between Diagnostic Link Connector (DLC) and scan tool
- Detects data and protocol communication
- Monitors system voltage – Display and high/low alarm
- Connect leads for increased diagnosis, analysis, and monitoring

Useful Functions
- Verify ECU activity
  - LEDs at pin-out display signal detection, Flashing LEDs for ECU activity
- Monitoring of OBDII data lines
- Probe lines with scope or multimeter for detailed signal information
- Check & monitor battery voltage
  - Continuous numeric display or voltage
  - Alarm warning when voltage drops below 11.6v or rises above 15.2v

SCANPRO™ ELITE

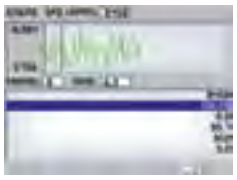


3499N
OBD I and OBD II Scan Tool

The ScanPro™ Elite has a full color screen and an ergonomically designed housing. This full function OBD I and OBD II scan tool provides enhanced powertrain coverage for GM, Ford, Chrysler, and Toyota. All compliant manufacturers are covered with global OBD II including CAN-based vehicles.



Displays codes and descriptions on the same screen



Graph live data or recorded data "flight record and playback"

Product Features:

- Retains data from the last 5 vehicles scanned
- Color QVGA graphic backlit LCD
- ABS code/erase capability for 1996-2006 GM, Ford and Chrysler vehicles
- On tool acronym library
- Dynamic language switching – English & Spanish
- Toyota OBD I functionality – cable sold separately
- USB port in tool – cable Included
- Print data via USB PC interface
- Graphing data – all vehicles.
- OBD II drive cycle mode
- GM, Ford, and Chrysler OBD I functionality
- Gas and diesel engine coverage
- Supports multiple trouble code requests, generic codes, pending codes, enhanced codes, and GM DTC status
- On screen definitions of DTCs
- Battery power (6 AAA batteries included)
- Quick test
- Pending codes
- Erase codes
- View data
- Record and playback of data
- Freeze frame
- O2 monitor test
- Diagnostic monitor test
- On board systems
- Vehicle information
- State OBD check
- Code lookup

3499N includes: Base scan tool Vehicle cables to support OBD II, Ford OBD I MCU/EEC-IV, Chrysler OBD I SCI and GM OBD I ALDL, soft carry case, USB update cable,8' extension cable, Scanning Suite CD for Windows XP, Vista and 7, 6 AAA batteries



TRILINGUAL OBDII, CAN, ABS & SRS SCAN TOOL

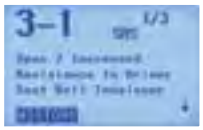


3111PRO
Trilingual OBDII, CAN, ABS & SRS Scan Tool

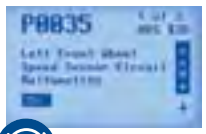
Fix It Faster with Expanded Domestic and Asian ABS & Airbag coverage. Now with over 4.3 million verified fixes at the touch of a button! Use AutoID® to automatically pull vehicle information for most 2000 and newer vehicles or use Component Locator to find where a component is located on the vehicle.

CodeConnect™
Provides millions of verified fixes specific to the vehicle's make, model, year and engine.

USB Port: For receiving online updates.



Airbag screen view



ABS code screen view

CodeConnect™ Revolutionizes vehicle repairs. The CodeConnect information takes vehicle repairs to another level for Technicians at an affordable price. These actual vehicle fixes have been reported and then verified by our team of ASE certified technicians.

Product Features:

- Airbag (SRS) & ABS Coverage: 1996-2010 GM, Ford and Chrysler 1996-2009 Honda, Hyundai, Nissan and Toyota
- CodeConnect™
- Record and playback LIVE engine data
- Display LIVE real time data
- Enhanced code request for GM, Ford, Chrysler, Honda, Hyundai, Nissan and Toyota vehicles
- 2010 MY coverage for HD, Hybrid and Diesel vehicles
- ABS code read/erase capability for most 1996–newer GM, Ford and Chrysler vehicles
- Custom data list for LIVE data
- Dual graphing - Graph two PIDs (data items) at the same time for comparison
- Displays all modes of global OBD II data
- Displays enhanced code definitions

Software Features:

- Read and erase DTCs
- Compatible with OBD II and CAN vehicles 1996 & newer
- Read and display MIL status
- Read and display I/M monitors
- Visual indicator when communicating with vehicle
- Freeze frame data
- Drive cycle mode
- State OBD check
- Code lookup library
- Trilingual menus and definitions

Hardware Features:

- Review data off vehicle with optional battery power
- Field updatable (USB update cable included)
- Trilingual manual (English, Spanish, & French)
- Print data to PC



3111PRO includes: Scan tool and user manual, USB update cable, Scanning suite CD for Windows xP, Vista and 7 and 8, 4 AAA batteries, deluxe soft storage case.

SOFTWARE UPGRADE



3111-01
Software upgrade
(Adds all the features of the 3111PRO to current 3111 owners)

Vehicle Coverage

- 1996-2010 GM, Ford, Chrysler ABS Coverage
- 1996-2010 GM, Ford, Chrysler SRS/Airbag Coverage
- 1996-2009 Toyota, Honda, Hyundai & Nissan ABS Coverage
- 1996-2009 Toyota, Honda, Hyundai & Nissan SRS/Airbag Coverage

Enhanced Code Request – For 1996-2010 GM, Ford, Chrysler and 1996-2009 Honda, Hyundai, Nissan and Toyota vehicles

Additional Live Engine data – Now over 300+ possible PIDs. View engine RPMs, coolant temperature, Oxygen sensor readings & more!

AutoID™ – Automatically retrieves VIN from vehicle and decodes to Year/Make/Model

Component Locator – Text descriptions indicate where the vehicle component is located

POCKETSCAN® CODE READER



3108N
PocketScan® Code Reader

Now with LIVE data! View vehicle RPMS, coolant temperature and more. Over 300+ possible data items available. Diagnostic Trouble Codes (DTCs) and descriptions are just a start of the tasks it can handle. In addition to Live data, the OTC 3108N also provides Freeze Frame data, VIN info and performs the important task of (I/M) Inspection and Maintenance testing or emissions-readiness by displaying the I/M readiness monitor status. Great for use before and after repairs are made. The small size makes it perfect for tow trucks or service vehicles as well as home use.

Product Features:

- Over 4,000 generic code definitions
- Compatible with all 1996 and newer OBDII and CAN vehicles
- Automatically reads DTC's when connected for fast diagnostics.
- Erases DTCs and turns off the light
- Reads and displays MIL status
- Reads and displays I/M monitors
- Reads and displays pending and permanent codes
- Reads and displays freeze frame data
- Reads and displays VIN (easy way to check vehicle ID number)

OTC 3108N DIMENSIONS	
Width	2 inches
Height	3.18 inches
Depth	0.65 inches
Cord Length	31 inches

TRILINGUAL OBD II/EOBD & CAN SCAN TOOL



3109N
Trilingual OBD II/EOBD & CAN Scan Tool

Use AutoID® to automatically pull vehicle information for most 2000 and newer vehicles. New features include Component Locator to indicate where a component is located on the vehicle and the ability to graph live data. Additionally, the OTC 3109N displays all modes OBD II data and meets European OBD standards.

OBD II information available:

- Read and display LIVE sensor data
- Displays generic and enhanced definitions on screen
- Read and display MIL status
- Read and erase diagnostic trouble codes
- It will give visual indication when the tool is trying to communicate and retrieve data from an OBD II vehicle
- Read and display I/M monitors (emissions)
- Read and display pending DTCs
- Read and display pending and permanent codes
- Read and display VIN number, CVN and Cal ID
- Display State OBD check
- Display OBD II Drive Cycle Mode
- Read and display O2 Monitor Test
- Read and display Diagnostic Monitor Test
- Read and display On Board Systems

Product Features:

- Over 15,000 code definitions for comprehensive coverage
- Field updatable via USB port for future expansion EOBD compatible
- CE certification
- Trilingual menu, manual and definitions (English, Spanish, French)

OTC 3109N DIMENSIONS	
Width	2.75 inches
Height	5 inches
Depth	0.75 inches
Cord Length	31 inches

3109N includes: OBD II/EOBD scan tool, user manual and CD, USB cable, USB port for receiving online updates.

BATTERY RESET TOOL



3112
Battery Reset Tool

The OTC 3112 Battery Reset Tool has all you need to quickly and easily reset the battery life. The 3112 Battery Reset Tool has the latest software to work on today's vehicles where a battery reset procedure is required.
Don't bother with more expensive tools with scanning features you don't need. The OTC 3112 Battery Reset Tool is reliable, affordable and gets the job done.

Product Features:

- For use with:
  - Late Model Ford F-Series Trucks
  - Late Model BMW
  - Late Model Mini Cooper
- Updateable
- AutoID™ – Automatically pulls Make/Model/Year/ Engine for most vehicles
- Trilingual Menu – English, Spanish and French
- Upgrade software Compatible with Windows XP, Vista, 7, and 8.
- Compatible with 32 and 64-bit OS

SCAN DIAGNOSTICS



	3108N Code Reader	3109N OBD II Scan	3111PRO Code Connect Scan	3499N ScanPro Elite	Genisys EVO Family	3893 OTC Encore	3895 Genisys Touch
SCAN FUNCTIONALITY							
CAN Enabled Tool (no adapters to buy)	•	•	•	•	•	•	•
Global OBD II (Domestic, Asian, European)	•	•	•	•	•	•	•
OBD II Generic Diagnostic Trouble Codes	•	•	•	•	•	•	•
Diagnostic Trouble Code Descriptions	•	•	•	•	•	•	•
Vehicle Information (Mode 9)	VIN only	•	•	•	•	•	•
Freeze Frame Data	•	•	•	•	•	•	•
AutoID® Identifies VIN and vehicle on most 2000–newer		•	•			•	•
Upgradable		•	•	•	•	•	•
State OBD Check		•	•	•	•	•	•
Generic Data Stream	•	•	•	•	•	•	•
Manufacturer Specific Diagnostic Trouble Codes		•	•	•	•	•	•
OEM Enhanced Diagnostic Trouble Codes			•	•	•	•	•
Graph Data Stream		•	•	•	•	•	•
OEM Enhanced Data Stream				•	•	•	•
Domestic OBD II OEM Enhanced			•	•	•	•	•
Domestic OBD I				•	•	•	•
Domestic OEM Non-Engine Coverage			OBD II ABS/ Airbag	ABS & Trans	•	•	•
Asian OEM OBD II Enhanced				Toyota	•	•	•
Asian OBD I				Toyota	•	•	•
Asian OEM Non-Engine Coverage			OBD II ABS/ Airbag		•	•	•
Latin America Coverage					•	Future	Future
OEM Bidirectional Controls (Actuator Tests)					•	•	•
European OEM OBD II Enhanced					•	•	•
European OBD I					•	•	•
European Non-Engine Coverage					•	•	•
Heavy Duty Standard Coverage					Option	Option	Option
J2534 All Makes Reprogramming						•	•
Automated System Test					•	•	•
All System DTC Scan				OBD Quick Test	•	•	•
Multiple Language Support		•	•	•	•	•	•
PC Software		Scanning Suite	Scanning Suite	Scanning Suite	ConnecTech	N/A	N/A
Wired & Wireless Internet Application Connectivity						•	•

SCAN DIAGNOSTICS



	3108N Code Reader	3109N OBD II Scan	3111PRO Code Connect Scan	3499N ScanPro Elite	Genisys EVO Family	3893 OTC Encore	3895 Genisys Touch
VEHICLE DIAGNOSTIC SOFTWARE INFORMATION							
Code Connect OBD II DTC Tech Tips			•				
Pathfinder Troubleshooting Diagnostics					•	•	•
Repair-Trac VIN Specific Tech Tips					•	•	•
Code Assist DTC Specific Tech Tips					•	•	•
InfoTech Driveability & Component Test Software					•	•	•
Identifi® Direct-Hit Technician deep linking						•	•
Symptom-Assist Specific Tech Tips						•	•
AutoDetect						•	•
Auto ID		•	•			•	•
Cloud Integration						•	•
Embedded Training Videos						•	•
DIAGNOSTIC ACCESSORIES							
High Speed Scope					Option		Option
Bluetooth Wireless TPMS Sensor Reprogramming					Option		Option
5-Gas Analyzer					Option		
HARDWARE							
Color Display					•	•	•
Monochrome LCD	Character Mono	•				N/A	N/A
Detachable Cable				•	•	•	•
Battery Power			•	•	•	•	•
High Resolution Touch Screen						7" Capacitive	10" Resistive
J2534 Hardware Compliant VCI						•	•
Cables with Color Coding, Part Numbers, and Description						•	•
AirBridge Technology WiFi Wireless						•	•
Bluetooth Long Range Wireless						•	•
Headphone Jack						•	•
Support Stand					•		•
Stereo Speakers							•
Wireless to the car VCI							•
VGA Video Out					•		•
SOFTWARE							
Internet Browser						•	•
Android Operating System						•	
Windows Operating System							•
Windows Printer Support							•

HEAVY-DUTY WIRELESS DIAGNOSTIC SYSTEM



PC PROGRAM FOR HD STANDARD DIAGNOSTICS

- RP1210 compatible and will work with any RP1210 VCI.
- SAE J1587 / J1708 and J1939 CAN, Engine, Transmission/ABS coverage.
- Read and clear diagnostic trouble codes.
- Live vehicle data of HD Standard Engine parameters.
- Vehicle data communication and live data stream.
- Demo mode permits operation without vehicle connection.
- On-screen definitions of diagnostic trouble codes.
- PC & CD user's manual.
- Customizable line graphs .
- Automatic recording of data.
- Print screen data or save reports to print later.
- Ez-Tap Kits Available.

3070

HD Scan Software

- Stand-alone software.
- Works with any RP1210 interface (VCI).

3076

HD Scan with Ez-Tap

- In-shop wireless capability.
- Ez-Tap Wireless Vehicle Communication Interface (VCI) works with OEM diagnostic software.
- One wireless VCI for all your diagnostic software.
- Eliminate cables and cable replacement costs.

3086

HD Scan with Ez-Tap Extended Range

- 300 ft. wireless range to scan trucks anywhere on facility grounds.
- Scan trucks and preform initial diagnosis before you bring them into the shop.
- One wireless VCI for all your diagnostic software.
- Eliminate cables and cable replacement costs.



Ez-Tap 3076



Ez-Tap 3086

EZ TAP
HEAVY-DUTY WIRELESS DIAGNOSTIC SYSTEM





EZ-TAP WIRELESS DIAGNOSTICS KITS AND ACCESORIES

3075
Ez-Tap Wireless Diagnostic Hardware Kit
The EZ Tap Diagnostic kit enables a Heavy-Duty facility to use their OEM software for direct diagnostic mode operation.
Kit includes: Ez-Tap wireless (non-locking) VCI, Ez-Base wireless adapter, Ez-Tap 9-pin to 6-pin adapter, USB cable and Ez-Tap CD.
Note: OEM diagnostic software not included.



3075-06
Ez-Base Extended Range Wireless
Ez-Base Extended Range allows even more range and flexibility for your truck yard or service environment.
- 300+ foot range with the included antenna.
- Built-in Wireless signal strength indicator lights.



3075-01
Ez-TAP Wireless VCI
9-pin non-locking

3075-02
Ez-TAP Wireless VCI
9-pin locking

Note: For your PC to communicate with the Wireless Ez-TAP, you will need an OTC EZ-Base (3075-05) or OTC EZ-Base ER (3075-06).


Non-Locking


3075-01


Locking


3075-02

3075-03
Ez-TAP USB VCI
9-pin non locking, 16 foot USB cable and Ez-TAP CD.

3075-04
Ez-TAP USB VCI
9-pin locking, 16 foot USB cable and Ez-TAP CD.


3075-03


3075-04

3075-08
Ez-TAP Adapter
9-pin to 6-pin adapter cable.


3075-08

3940-HD
Heavy Duty Digital Multimeter
OTC 550 Series Auto Ranging Multimeter
- Powerful professional grade test functions
  - Frequency
  - Duty Cycle
  - Diode & Continuity Tests



Mid-Range Amp Probe
- Non-intrusive AC/DC current measurement
- Measurement range of 2–600 amps AC/DC
  - Covers HD truck components and electric motors

Extended Length Test Leads
- 5 ft. test leads to provide improved reach
- Detachable probes allow use with amp prob

3418
OTC Heavy-Duty Code Reader



- Class 4 – 8 truck coverage.
- HD J1587 / J1708 and J1939 CAN, Engine, Transmission/ABS coverage and more for diagnostic trouble codes!
- Read and clear diagnostic trouble codes.
- Provides on screen DTC definitions for heavy-duty standard codes.
- Battery powered for off vehicle use.
- Internet update capable.
- Heavy-Duty Standard compliant construction, marine, agriculture, and industrial diesel power plant configurations!

3418 HD Reader Kit Includes: HD reader tool, 9-Pin deutsch cable, 6-Pin deutsch cable, operations manual, 3-year warranty, and soft nylon carrying case.



3417
OTC Heavy-Duty Scan Tool
For Heavy-Duty shops that need a second tool in the shop and for their mobile repair trucks.
Product Features:
- Brilliant Color Display
- Class 4 – Class 8 truck coverage featuring "Automatic Protocol Search".
- HD J1587 / J1708 and J1939 CAN, Engine, Transmission/ABS coverage and more!
- Live vehicle data such as: Engine speed, Engine ECU temperature, Percent acceleration pedal position, Engine intercooler temperature, Engine coolant temperature, Battery volts, Alternator volts, Ambient air temperature, Air inlet temperature
- Read and clear diagnostic trouble codes.
- Global OBD II – All 9 Modes.
- English, Spanish, and French support
- Battery powered for off vehicle use.
- Trilingual Quick Start Guide included to help technicians get started fixing cars FAST.
- CD-based manuals in Spanish, French, and English.
- Customize data views in line graph, LED, or digital format with the push of a button.
- Three record modes – marker frame, freeze data history, and code triggered record.

3417 HD Scan Kit Includes: HD scan tool, 9-Pin deutsch cable, 6-Pin deutsch cable, OBD IIcable, heavy duty cable, USB cable, ScanMate software operations manual, carrying case and 3-year warranty.

ELECTRONIC DIAGNOSTICS



3095

Heavy-Duty Digital DEF Tester

Quick, easy and accurate measurement of UREA concentration. Ensure the proper operation of Class 7-8 trucks utilizing the SCR system with accurate Diesel Exhaust Fluid solution displayed on screen.

SCR and EPA 2010

EPA regulations require all diesel engines manufactured on or after January 1, 2010 to meet lowered NOx emissions standards.

- Most heavy duty engine (Class 7-8 trucks) manufacturers, have chosen to utilize SCR. This Includes Detroit Diesel (DD13, DD15, and DD16 models), Cummins (ISX line), PACCAR, and Volvo/Mack.
- SCR-equipped engines require the periodic addition of Diesel Exhaust Fluid (DEF, a urea solution) to enable the process. DEF is available in a bottle at most truck stops, and some have installed bulk DEF dispensers near the Diesel Fuel pumps. However, to ensure the proper operation of the SCR system, operators must ensure the DEF in their vehicle consists of a 32.5% Urea / Water solution.

Features

- Digital Display
- Displays % UREA
- Displays washer fluid freeze point



3358

OTC Ready Scan™ Readiness Monitor Tool

A drive cycle is required after any emissions related repair. The 3358 OTC Ready Scan eliminates drive cycle guesswork by notifying any driver, or your customer, with color coded LEDs and built in speaker that the drive cycle has been completed and the vehicle is Ready. Once the vehicle's OBD II system is Ready, repair work is confirmed. If a state emission inspection is required, a retest can then be performed. Works on 1996 and newer OBD II and CAN compliant vehicles.

Product Features:

- Easy to install and no set up required–Connects easily into the vehicle's OBD II connector and is able to display status in 15 seconds.
- Bright color coded LED's provide Readiness Status. Green LED- Vehicle is Ready.
- Built in speaker provides audible tone every 5 minutes when vehicle becomes Ready.
- Ready Scan is powered from the vehicle– no batteries required.





3880X

OTC Automotive Inspection Camera

With an industry leading 5.5 millimeter camera, it allows the technician to inspect hard to reach areas that would have normally required taking an engine apart or removing body panels to inspect. With the added wireless display and ability to record images and video, the 3880X is an ideal tool for any automotive, aviation or industrial technician.

Product Features:

- Micro camera transmits images and video to the removable wireless camera to allow viewing of hard to reach areas.
- Large 3.5" inch high resolution color screen for optimal viewing.
- Detachable 36" camera snake with position hold shaft.
- Images and video are recorded on the included SD card and can be viewed on the camera display or transferred to a computer.
- Easy to change camera allows for use with various camera sizes and lengths.
- Magnetic display mount allows for hands-free viewing.
- Camera head includes four built-in adjustable LEDs for optimal viewing from light to dark areas.
- IP67 Rated camera for complete protection from dust and standard automotive chemicals.
- Unit is powered by removable power pack with four rechargeable AA batteries (batteries and charger included).

Applications:

- Micro 5.5 mm camera allows for inspection through spark-plug holes.
- Inspecting cylinders, valves, diesel injectors and glow plug ports.
- Viewing behind body panels and under the dashboard for electrical wiring and connections.
- Examine for corrosion and wear in hard to see areas.
- Inspect fluid lines for leaks.

3880X includes: Video Scope, Magnetic mount for wireless display, Micro SD card, XvidCodec installation CD, USB cable, Video out cable, Rechargeable AA batteries (4) with charger, AC power adapter, one year warranty and Protective carry case.



3005

InfoLogger OBD II and EOBD Data Recorder

InfoLogger is a remote diagnostic tool that collects your engine data while you drive.

Product Features:

- Records live engine data and trouble codes automatically
- Real-time data collection
- Plug-and-play tool with compact design
- PC required to view vehicle data and graphs
- Compatible with Windows 2000, NT, ME, XP, Vista and 7
- Includes USB cable for easy and quick downloads/uploads.



3840F

Automotive 2-Channel Lab Scope

The exclusive vehicle-specific database in the 3840F contains information for most domestic vehicles as well as many imports. The Scope also recommends the appropriate test procedures for fast, accurate repairs. Visible on the screen are diagrams showing pin numbers and wire colors for both the PCM and the component connector.

CE-certified

Product Features:

- Powerful built-in reference information for each preset test include a test procedure, normal reference signal pattern, theory of operation, and trouble shooting tips.
- A 25 Mega-sample per second sample rate for rapid data updates.
- True RMS GMM (Graphing Multimeter) measurements and graphs.
- "Glitch Snare" feature captures, displays, and saves abnormal signal patterns in the Scope mode for component testing.
- Real-time comparison between actual waveforms and reference waveforms on the same screen for component testing.
- Preset tests enable the user to check the majority of automotive sensors, actuators, and systems easily and quickly.
- The secondary ignition single function displays the waveform along with the spark voltage, RPM, burn time, and burn voltage.
- USB supports fast update for code and data over the internet.

3840F includes: Automotive 2-Channel Scope, Shielded Test Leads with Ground (2 pcs), Inductive Pickup, Secondary Ignition Pickup, Alligator Clips (3 pcs), Back Probe Pins (3 pcs), Test Probes (3 pcs), AC Power Adapter, Ni-MH Rechargeable Battery Pack (Installed), USB Interface kit, User Manual and Soft Carrying Case.



Replacement Accessories

3840-01 – Red & yellow test leads.
3840-06 – Ignition probe.
3843-07 – Inductive pickup.



3596J

Oil Light Reset Tool Kit

- Oil changes are the #1 service your shop will perform each year.
- The 3596J kit helps eliminate the need to take the vehicle to the dealer or use an OEM scan tool to reset oil service lights.
- Electronic tool set includes the adapters and interface module required to reset the oil service lights on Volkswagen, Audi, Mercedes Benz, BMW, and Volvo.
- The included manual details Oil Light Reset tool procedures as well as the manual reset procedures for domestic and import vehicles.
- The new Oil Light Reset Tool now gives you the ability to update the tool vehicle coverage by connecting to a PC with future update kits.

3596J includes:



3596H-1 – Main unit cable.
3596H-2 – BMW Connector.
3596H-3 – Mercedes-Benz Connector.
3596H-4 – OBD II Connector.
3596H-5 – Volvo cable.
3596H-6 – Transfer plug.
3596H-7 – VW and Audi cable.
3596H-8 – Power cable.
3596J-9 – Reset Procedure Manual.
3596J-UPD – Oil Light Reset Update Kit.

TIMING LIGHTS



Standard features

- All metal inductive pickup.
- Reflected, super bright Xenon flash.
- Removable leads with positive twist lock connector.
- One touch control.
- Durable, plated ABS housing with over-molded grips.
- Heat resistant over-molding on clips.
- Blow-molded case included.

3363

Inductive Timing Light

Professional inductive timing light designed for standard base timing.

Unique features

- On/off touch control



3363

3365

Advance Timing Light

Professional advance timing light allows accurate adjustment of base and advance timing reading.

Unique features

- Adjustable knob measures centrifugal, vacuum, and computer advance.
- On/off touch control.



3365

3367

Digital Timing Light

Professional digital timing light has advanced features with a bright LED screen and mode indicator lights.

Unique features

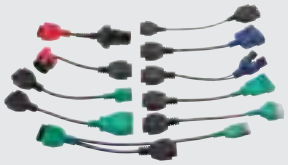
- Microprocessor-controlled circuitry.
- LED tachometer display reads 0–9999 rpm.
- LED advance display indicates to 1/10.
- Unique flashlight feature.
- 2/4 cycle and rpm/advance lights.
- Up and down scroll buttons.



3367

Timing Light Comparison - Functions/Features	3363	3365	3367
Conventional, electronic, computer controlled ignition systems	•	•	•
DIS and 2-cycle systems	•		•
On/off touch control	•	•	
Adjustable advance		•	•
Digital LED readout tach and advance			•
2- to 4-cycle and rpm/advance mode lights			•
2- to 4-cycle selector button			•
Flashlight feature button			•
RPM to advance selector button			•
Up or down scroll buttons			•

GENISYS TOUCH ACCESSORIES

3895-01	AC Power Supply	
3895-02	AC Power Cord	
3895-03	Carring Case	
3895-05	Li-ion Battery	
3895-06	Screen Protector	
3895-07	Heavy Duty Starter Kit	
3895-08	12 Month Subscription	
3895-100	OEM Cable Kit	

GENISYS TOUCH / ENCORE CABLES

Number	Description	
3421-93	KIA adapter	
3825-09	GM 12 pin adapter	
3825-10	Chrysler I adapter	
3825-11	MECS ABS adapter	
3825-12	FORD EEC adapter	
3825-13	GEO-ISUZU adapter	
3825-14	MAZDA MECS adapter	
3825-15	UNIV 9 PIN adapter	
3825-16	FORD ABS adapter	
3825-17	TOYOTA DCL 1/ adapter	
3825-18	TOYOTA DCL 2/ adapter	
3825-19	MITSUBISHI/CHRYS "Y" adapter	
3825-20	NISSAN 1 adapter	
3825-21	SUBARU adapter	
3825-22	MITSUBISHI/HYUNDAI adapter	
3825-23	HONDA adapter	
3825-24	NISSAN 2 adapter	
3825-25	MERCEDES 38 PIN adapter	
3825-26	MERCEDES 1 PIN adapter	
3825-27	VW 4 PIN adapter	
3825-28	BMW adapter	
3825-34	CHRYS 3 adapter	
3825-59	CHRYSLER CCD adapter	
3829-01	OBD II cable	

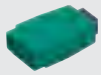
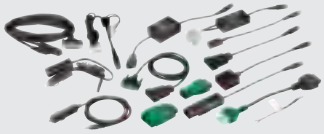
ENCORE ACCESSORIES

3893-01	Optional Battery	
3893-03	AC Charger	
3893-04	Carring Case	
3895-07	Heavy Duty Starter Kit	
3895-08	12 Month Subscription	

GENISYS EVO ACCESSORIES

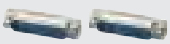
Number	Description	
3421-75	USA OEM European Cable Kit	
3421-94	USA Asian OEM Cable Kit	
3421-70	USA Domestic OEM Cable Kit	
3780	Genisys Performance 5-Gas Module	

NEMISYS ACCESSORIES

Number	Description	
3774-01	DB25 to OBD II cable	
3774-02	DB25 to GM OBD I cable	
3774-03	DB25 to Ford OBD I cable	
3774-04	DB25 to Chrysler OBD I cable	
3774-05	Cigarette plug power cord	
3774-10	Nissan DCL-1 Adapter	
3774-17	Toyota DCL 1 Adapter.	
3774-18	Toyota DCL 2 Adapter.	
3774-19	Asian Cable Kit	
3774-20	USB A-B Cable	
3774-34	Nemisys OBD II Smart Cable Expands the system coverage to include GM Single Wire CAN systems and more!	
3774-38	2014 software with Memory Kit	

ELECTRONIC DIAGNOSTICS

GENERAL APPLICATION

Number	Description	
212638	Battery adapter for Monitor or Genisys. Used for under-hood access to 12-volt power supply	
3305-71	DB-25 extension cable to connect 25-pin Monitor and Genisys adapter cables	
3305-72	DB-25 to 8-pin DIN extension cable.	
3421-04	AC/DC power adapter for Genisys	
3421-08	6' PC to scan tool cable, DB-9 to RJ-45	
3421-44	20' PC to scan tool cable, DB-9 to RJ-45	
3421-65	USB to serial adapter	
3421-67	Compact flash reader to USB adapter for Genisys and Nemisys	
3421-111	Scan Tool Connector Saver	
239180	9.6V Genisys battery	

Number	Description	Application	
3421-88	OBD II Smart Cable 2006 software (Genisys only)	Replaces 3305-73 cable and Requires all system smart inserts	
3305-73	System Smart Insert OBD II 25-pin cable	Use with Monitor Elite, Monitor Enhanced or Genisys. Use with 25-pin SSI.	

DOMESTIC APPLICATION

Number	Description	Model & Year	GM
212633	GM 14" vehicle adapter cable	GM most system 82–'95	
212653	Turned port Inj. adapter cable (gray)	GM 5.0L TPI '86 GM 5.7L TPI '86–'89 GM 2.8L V6 P4 '86–'89	

DOMESTIC APPLICATION

3305-17	Geo/Isuzu adapter cable	GM Geo & '87–'95SpectrumGM Isuzu and Luv '81	
238464	GM ABS cable	GM ABS '90–'95Kelsey Hayes	

Number	Description	Model & Year	Ford
3305-27	Ford ABS cable	Ford ABS Mystique '95 Econoline Van '94–'96	
3305-58	Ford II14" adapter cable (gray)	Ford EEC IV '81–'95 MCU, ABS,suspension. Use with Pathfinder II or newer software.	
3305-84	Ford III, 25-pin,18" cable (red) with 4' power lead	Ford EEC IV DCL '83–'95 ABS, suspension. Use with Pathfinder III or newer software	
213596	MECS 6' adapter cable	Ford/Mazda '88–'95mfd. vehicles	
3305-14	MET adapter	Ford/Mazda '91–'95 mfd. vehicles.	

Number	Description	Model & Year	Chrysler
212635	Standard 12" adaptercable	Chrysler '84–'95	
3305-65	Chrysler III25-pin, 18" cable	LH Chrysler '93–'95 CCD '88–'95 with 4000 Enhanced,Monitor Elite, Nemisys, Genisys	

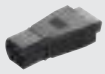
ASIAN APPLICATION

Number	Description	Model & Year	
212633	GM 14" adapter cable	Isuzu Pickup (3.1L) '91–'95 Rodeo '91–'95 Trooper II '89–'95	
3305-68	Honda/ AcuraJumper	Honda '89–'95 Acura '91–'95	
213596	MECS 6' adapter cable	Mazda '83–'95	

ASIAN APPLICATION

Number	Description	Model & Year	
3305-14	MET adapter cable	Mazda 323/Protege '90–'95, '92–'95 Miata '90–'95, MX-3 '92–'95	
216044	Nissan 12" adaptercable	Nissan '87–'95	
3305-15	Subaru adapter cable	Subaru SPFI '87–'93 MPFI (Except Justy) '88–'93 EFC (Justy) '88–'90	
3305-17	Geo/Isuzu adapter cable	Isuzu I-Mark (Fuel Inj.) '88–'89 I-Mark (Carb.) '87–'89 I-Mark '85–'86 Impulse '84–'92 Pickup, Amigo '88–'93 (2.3 & 2.6L) Rodeo '91–'93 Trooper II '89–'91	
3305-17	Geo/Isuzu adapter cable	GM Import Spectrum '87–'89 Storm '90–'93 Geo/Metro '90–'93	
3305-48	Mitsubishi/DS adapter cable	Mitsubishi Diamante '92–'93 Precis '90–'93 3000GT '91–'93 Truck '89–'93 Eclipse '90–'93 Starion '87–'89 Mirage, Montero '89–'93 Van '87–'90 Sigma '89–'91 Galant '87–'93	
3305-48	Mitsubishi/DS adapter cable	Chrysler Import Stealth, D50 Truck '91–'93 Laser '91–'93 Vista '89–'93 Talon '90–'93 Colt '88–'93 Summit '89–'93 Raider '89 Conquest TSI '87–'89	
3305-48	Mitsubishi/DS adapter cable	Hyundai Sonata '89–'93 Scoupe '91–'92	
3305-124	Accord adapter	Accord '92–'95	

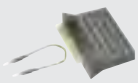
ASIAN APPLICATION

Number	Description	Model & Year	
3305-141	Nissan OBD I and II cable	Nissan '89–'99	
3421-68	Genisys Toyota DCL 2 adapter	Lexus '90–'00 Toyota '89–'01	
3421-93	Kia adapter	Genisys Platform '02–'06 Nemisys Platform '03–'06 Genisys	

HEAVY-DUTY CABLES

Number	Description	
3421-80	6 pin Deutsch cable	
3421-81	9 pin Deutsch cable	

EUROPEAN APPLICATION

Number	Description	Model & Year	
3306-47	38 Pin SSI	Mercedes '86–'05	
3421-41	38 Pin adapter	Mercedes '86–'05	
3421-43	VW 4 pin adapter cable	Volkswagen '86–'94	
3421-76	BMW adapter cable	BMW '87–'05	

AUTOBOSS® V30 EUROPEAN / ASIAN COVERAGE

- Unequalled Diagnostic Power
- Introducing the Autoboss V30, a truly global diagnostic tool providing flexibility and portability in a Windows CE platform.
- OE level coverage for European, Asian, and Chinese cars
- Covers more than 50 vehicle makes
- Access to powertrain, chassis, and body systems
- Quick Test function to test most vehicle systems
- Fault codes (DTC's), Data Stream and Service Reset
- Actuations, Adaptations, and Control Module Coding
- Supports Multi-language
- Frequent Internet based software updates
- CAN Bus with high/low speed
- One OBD II connector for all CAN Bus systems
- High resolution VGA color TFT display
- Windows CE Operating System
- Demo Mode for many OEM's
- Data graphing
- Self-check function



SYSTEM COVERAGE EXAMPLE

Drive
Transmission
ESM – Electronic Selector Module
DTR – Distronic
Motor Electronics

Chassis
SBC – Sensortronic Brake Control
ESP – Electronic Stability Program
AIRmatic – AIRmatci ABC
TPC – Tire Pressure Monitor

Body
Seats and Doors
Actual Values
Actuations
Initial Startup
Control Unit Adaptations
Correction Programming

Air Conditioning
AAC – Automatic Air Conditioning
REAR AC – Rear Air Conditioning
STH – Stationary Heater
HSW – Heated Steering Wheel

Information & Communication
ICM – Instrument Cluster
SCM – Steering Column Module
PTS – Parktronic System
Audio, Video, Navigation and Telematics



Extensive European Vehicle Coverage



Extensive Asian Vehicle Coverage

V30 DELUXE DIAGNOSTIC SYSTEM

3100DLX

Software

- Global European, Global Asian, Chinese
- 12 Month Subscription Included

Vehicle Cable Set

- OBD II Adapters
- European OEM OBD I Adapters
- Asian OEM OBD I Adapters
- USA GM OEM OBD I Adapter
- Chinese OEM Adapters

Included Accessories

- Carrying Case
- 100 – 240 Volt Power Supply
- SD Card Reader
- Rubber Boot



EVAP – LEAK DETECTION SYSTEM

6522

- EVAP – Leak Detection System
- Vacuum Leak Testing
- Exhaust Leaks
- Crankcase Oil
- Cooling System Testing
- Wind and Water Leaks
- 1-Year Warranty

LeakTamer is the latest generation of leak detection systems, providing more smoke and better control. Solid-state circuitry improves reliability and ensures more consistent smoke output. A wide assortment of accessories make the LeakTamer versatile tools for quickly locating different kinds of leaks.

LeakTamer Evap offers:

- Densest smoke in the industry.
- Newly redesigned smoke chamber and control system.
- More complete line of accessories.
- User refillable.
- Includes smoke producing solution for 500 tests.
- Non-toxic, non-corrosive smoke.

Product Features:

- Large full range flow meter
  - Detects .020" & .040" EVAP leak sizes
  - Flow-test components with full range of flow values
- Pinpoint leaks with Smoke and dye
  - UltraTraceUV® dye deposits at exact location of a leak
  - Finds leaks that smoke alone won't find
  - Introduce to an engine before disassembly to find internal leaks
  - It's the only OEM-Approved dye solution
- Variable Smoke Flow
  - Helps pinpoint smoke exiting a leak
  - Directional knob shows exact flow position
- Compact light weight design
  - More powerful diagnostics in smaller package
- Can be used with air or nitrogen
  - Use any inert gas for safer EVAP testing and shop air for all other tests
- OEM approved technology
  - Contains STAR Technology; the ONLY OEM-Approved smoke technology anywhere in the world

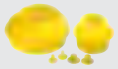
6522 includes

Leak Tamer unit, White/UV combination light with laser pointer, UV glasses, EVAP adapter tool, exhaust cone, cap plug adapters, removal tool, smoke producing solutions enough solution for 500 tests.





ACCESSORY / REPLACEMENT PARTS

6522-1	UltraTraceUV® (8 oz. / 236 ml) patented solution is the only Automaker-approved smoke-producing solution in the world. Contains a special dye that deposits at the exact location of a leak. Each bottle will perform approximately 300 tests. Part No. is for one bottle, two bottles included with 6522.	
6522-2	Inert Gas Pack Kit connects directly to fitting on back of LeakTamer 6522. Includes preset CO2 regulator with cylinder fitting, 20 oz. liquid CO2 cylinder, pressure gauge, universal push-on female coupler accommodates both automotive and industrial male fittings (Cylinder arrives empty) Performs approx. 25-50 full cycle EVAP tests per 20 liquid oz. cylinder.	
6522-3	Combination Light for easier smoke location and ultraviolet (UV) light, to highlight the fluorescent dye deposited at the exact location of a leak. Also has laser pointer. Includes batteries and glasses.	
6522-4	Standard Size Service Port Adapter.	
6522-5	Schrader® Removal/Installation Tool.	
6522-6	Cap Plugs Kit. Used for sealing some systems during leak testing.	
6522-7	Universal Fuel Neck Adapter fits the majority of vehicles. Allows access to fuel tank for evaporative system testing.	
6522-8	BMW and MINI Fuel Neck Adapter. Allows access to fuel tank for evaporative system testing.	
6522-9	Smoke Diffuser locates leaks around doors, windows, sunroofs, trunk compartment seals, EV vehicles' battery modules, or any closed system that can be pressurized from the inside and observe the smoke disturbance from the outside.	
6522-10	Cone Adapter (standard) for introducing smoke into induction or exhaust system. 1" x 3.5" & 6" long (25.4 mm x 89 mm x 152 mm).	
6522-11	Cone Adapter (Large) for introducing smoke into induction or exhaust system. 3.5" x 6" & 4.6" long (89 mm x 152 mm x 144 mm).	
6522-12	Replacement Dipstick (for 6522).	
6522-13	Replacement smoke supply hose and Delrin® Nozzle	
6522-14	Delrin® Nozzle	
6522-15	Flow meter red pointer flag. For easy viewing of flow meter measurements.	

ALL-IN-ONE TPMS DIAGNOSTICS



OBD II TPMS TOOL WITH ACTIVATION, DIAGNOSTIC AND RELEARN CAPABILITIES

3838

OBD II TPMS Tool
Save time and perform additional diagnostic capabilities during tire service tire rotations, tire sensor evaluations and reset procedures. The OTC 3838 is both a sensor activation and diagnostic device that features a wireless OBD II module for TPMS sensor registration. The tool works with all OEM and aftermarket sensors.

- Large 3.5" color display featuring easy-to-read icons
- **Exclusive** wireless OBD-II module to initiate and perform relearn procedures
- SD card for vehicle history storage
- USB for software updates
- RJ 45 connection capability
- Includes battery charger

ABOUT TPMS

All 2008 and newer automobiles and light trucks on the road today have TPMS sensors that must be reprogrammed every time tires/wheels are replaced or rotated. If the TPMS sensors are not reprogrammed, the system will continue to report information that could be incorrect such as tire pressure and position of the wheel. TPMS sensors provide data such as sensor identification; tire pressure, temperature and sensor battery life.

FEATURES



Graphical Interface



Integrated KEY FOB Test



STAND-ALONE TPMS TOOL WITH BLUETOOTH OBD II

- All-in-one TPMS tool with sensor activation and on-board procedures
- 3.5" Color display with icon graphical interface
- On screen, step-by-step relearn procedures
- Software updates for 3 years
- Register TPMS sensors wirelessly via Bluetooth OBD II adapter
- OBD II adapter dock for easy storage and portability
- Complete Asian, Domestic, and European coverage
- Reads TPMS codes on applicable vehicles
- Printing via Infrared (IR) Technology or USB
- Includes SD card for vehicle history storage
- Updatable via USB port
- Rubber over-mold for enhanced durability
- Integrated Key Fob RF signal strength test
- Compatible with aftermarket programmable sensors, including Schrader EZ-sensor™, VDO REDI-sensor™, HUF IntelliSens®, and Alligator Sens.it®



3838 KIT INCLUDES

- TPMS Handset
- Bluetooth OBD II Adapter
- Wall Mount Battery Charger
- Carrying Case
- USB Cable
- RJ45 Cable
- Rechargeable lithium-ion battery
- Installation CD
- Relearn Magnet
- Instruction Manual
- 1-year warranty

FULL COVERAGE TPMS SOLUTION

DIAGNOSTICS/RESET/RE-LEARN/REGISTER

The OTC Tire Pressure Monitoring Reset Tool is a fast and simple to use stand alone TPR activation tool



- Works on all known TPMS sensors through 2013.
- Bright graphic display and simple navigation buttons enable vehicle selection for fast activation.
- Automatically adjusts activation output power to eliminate cross activation of near sensors. Combine TPR activation with the power of Genisys® scan
- Register new sensor ID's on Asian vehicles.
- Use the TPR to activate and decode sensor ID's and transmit them to the Genisys wirelessly.
- Bluetooth wireless communication adapter included.
- Quick reference reset procedures can be quickly accessed on the Genisys.

3834

Tire Pressure Monitoring System Reset Tool



Includes: TPR handheld, DB25 wireless adapter, carry case, registration card, user manual for TPR and Genisys® interface.

3834T

TPR Activation Tool



Combine TPR activation with the power of the Genisys Touch.

3835

Tire Pressure Monitoring System Reset Tool Master Kit



Includes: TPR handheld, DB25 wireless adapter, carry case, registration card, user manual for TPR, and Genisys® interface, activation magnet, valve stem torque wrench, valve nut torque wrench, digital tire pressure gauge, TPMS Poster, TPMS flip charts, 11mm socket, 12mm socket, and torque tool.

3834UPD

TPR One Year update subscription



The 3834UPD Subscription Update kit provides the user access to all Tire Pressure Reset (TPR) tool updates for one year from registration date. TPR updates include both added vehicle coverage and tool functionality improvements. Users should visit **www.tpmsupdates.com** and enter the provided one year subscription code to get access to the tool updates. NOTE: Users must register an account on the site to gain access to the updates.

The kit includes a certificate with an authorization code. The access code is entered when prompted on the www.tpmsupdates.com website.

3836

Tire Pressure Monitoring System Accessory Kit



Includes: Activation magnet, valve stem torque wrench, valve nut torque wrench, digital tire pressure gauge, TPMS Poster, TPMS flip charts, 11mm socket, 12mm socket, and torque tool.

Note: Genisys requires System 4.0 or later for TPR communication.

EZ-SENSOR PROGRAMMING

EZ-sensor



"EZ-sensor™ PROGRAMMABLE TPMS is the first Programmable Tire Pressure Monitoring Sensor which has been designed with the goal of replacing 90% of the TPMS sensors currently stocked by the dealer."
– Schrader® the worldwide leader

- Fast simple programming using OTC TPR Tool
- Eliminates the need to perform relearn procedures when replacing sensors
- No scan tool required for programming
- Replaces over 90% of current TPMS sensors!
- Save money & fit the right part
- Fast simple assembly to the wheel rim

Schrader® is trademark of Schrader International Corporation.

3834EZ

Tire Pressure Monitoring System Reset Tool with EZ-sensor™ Programming



Includes: TPR handheld, DB25 wireless adapter, EZ-sensor proximity boot, EZ-sensor software, USB cable, carry case, registration card, user manual for TPR and Genisys® interface.

3834EZ-01

EZ-sensor™ Update Kit



Includes: EZ-sensor Proximity boot, EZ-sensor Software, USB cable, and user manual.

Note: For existing TPR owners.

3834-01

TPR Charging Station



Now also available for both the OTC 3834 and OTC 3834EZ tool is the new OTC 3834-01 Charging Station. This kit includes a "drop-in" charging cradle, easy to install slimline Lithium Ion rechargeable battery which dramatically increases the amount of sensor activations over standard alkaline batteries, and AC power cable. Increase productivity by eliminating down time and reduce the cost of replacing AA batteries with the OTC 3834-01 TPR Charging Station!

OTC TPMS IS THE TOTAL SOLUTION

Automatically Selects the Proper Sensor Communication!



Activate sensors before tire service is performed, when tires are rotated, and when there is a problem with TPMS.

- Easy-to-follow tool menu and graphics clearly show test options.
- Auto Scan feature provides a "one button" activation mode which automatically scans for TPMS sensor communication.
- Diagnostics uses a make-year-model input which automatically selects the proper sensor communication.
- Auto Scan and Diagnostics are useful for pre-testing sensors for proper functionality prior to service.
- Kit includes vehicle specific Reset Procedures that guide the user through the complete procedure.
- Electronic manuals include critical and comprehensive vehicle set up and reset procedure, along with system descriptions and specifications though 2013 model year.

3833B13
2013 Tire Pressure Monitor Base Kit



Includes a TPM tool with latest software subscription including 2013 MY coverage, activation magnet, quick start guide, CD containing all previous and current reset procedure manuals, update cable, CD training video, backup software CD, and a blow molded case.

3833M13
2013 Tire Pressure Monitor Master Kit



Includes a TPM tool with latest software subscription including 2013 MY coverage, activation magnet, quick start guide, CD containing all previous and current reset procedure manuals, update cable, CD training video, 6 NiMH rechargeable batteries and recharging station, backup software CD, digital tire pressure gauge, 4-way valve tool, valve core torque driver, laminated application flip chart, service procedure flowchart poster, consumer poster, and a blow molded case.

Also includes TPM Electronic Torque Wrench.

- 12–120 in.–lb. ± 2% accuracy.
- Torque set quickly with unique slide bar on the scale.
- Indexing head allows for use straight (screwdriver position) to spin nut down quickly.
- Torque limit LED flashes with audible beep.
- 1/4" Drive 11mm and 12mm Deep Chrome Socket.

3833-80
2013 Tire Pressure Monitor Software Update Kit



Includes 2013 software subscription CD, and 2013 reset manual on CD. Now includes the high-demand USB update cable that was previously sold separately.

3833-13
Internal battery stick and charging cradle for OTC TPM



The internal battery stick and charging cradle for the OTC TPM allows the unit to be placed in the cradle when not in use, allowing for the unit to always be charged. This also eliminates the need to replace batteries.

TPMS ACCESSORIES

Part No.	Description
3833-4	Magnet
3833-5	Quick Ref Manual Set
3833-7	Software Update Cable
3833-8	Serial to USB Adapter
3833-9	"T" Update Kit
3833-14	Recharge "C" Batt & Charger
3833-15	Digital Tire Gauge
3833-16	Valve Nut Tool
3833-17	Valve Core Driver
3833-24	T-10 Torque Driver
3833-25	Electronic Torque Wrench



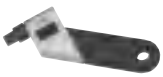
3833-4



3833-7



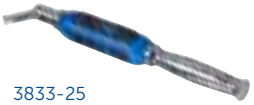
3833-14



3833-15



3833-16



3833-25



3833-17



Built-in Probe Protector







3907

Probe Multimeter

This probe style meter is a full function multimeter in a convenient pocket pen type package. The probe contains a retractable probe cover and lead clip on back of meter for carrying in pocket or storage.

Product Features:

- Display: Max. 2000 Counts
- Function: Ohm/DCV/ACV/Diode/Continuity
- Input Impedance: 10MΩ
- Auto Range
- Auto Power Off
- Pocket pen type
- Back light and testing light
- Rotating pen tip protector
- Test lead installing socket
- Operating Switch: Combined switch with function and power switch



The meter is in compliance with the following standards:

- IEC1010 double insulation
- Pollution degree 2
- Over voltage category III (600 volts)
- Power One 9-volt alkaline battery
- (NEDA 1604 or equivalent)

3908

AMP Clamp/Multimeter

OTC AMP Clamp/Multimeter was designed to allow accurate current measurements using clamp jaws. The clamp meter is well suited for testing starting/ charging circuits, and provides easy access to current, voltage and other key automotive measurements, all in one easy-to-use tool.

Product Features:

- Duty Cycle
- Resistance
- Capacitance
- Diode
- Continuity
- Frequency
- Temperature Range auto/manual
- Display maximum reading of 4000 counts
- Automatic negative polarity indication
- Automatic zero adjustment
- Over range indication
- Low battery symbol
- Data hold symbol
- Relative measurement symbol
- Clamp opening size 32mm
- Auto power off



3910

55 Series Digital Multimeter

The 55 Series DIGITAL MULTIMETER meter provides a full feature set at an economical price. The 55 SERIES contains all the base functions required for today's automotive testing.

Product Features:

- Display: Max. 2000 Counts
- Auto / Manual Range
- Diode Check
- Continuity Buzzer
- Data Hold, Max Hold
- Auto Power Off

3940

600V CAT III 550 Series Digital Multimeter



The 550 Series DIGITAL MULTIMETER features powerful automotive test functions such as; Frequency, Duty Cycle, Diode & Continuity Tests, plus all the standard meter features you expect in a professional grade Multimeter.

Product Features:

- Diode Test
- Continuity Test
- Auto Range
- Data Hold
- Relative Change
- Auto Power Off



3980

1000V CAT III 750 Series Automotive Multimeter

The 750 Series AUTOMOTIVE MULTIMETER includes all the great features of the 550 Series METER, PLUS Automotive specific tests; True RMS, RPM, Dwell, Pulse Width, Temperature, Backlight, RS232, and Min/Max. It is CATIII so it is compatible Hybrid vehicle systems.

Product Features:

- Diode Test
- Continuity Test
- Auto Range
- Data Hold
- Relative Change
- Backlight
- Auto Power Off
- CATIII 1000V
- Min/Max
- RS232 & Cable
- Red & Black Test Leads
- Alligator Clips
- RPM Pickup Adapter
- Temp Probe Adapter
- Black Canvas Case
- PC Cable & Software

3990

1000V CAT III Hybrid MultimeterOTC 1000V CAT III Hybrid



Multimeter with Insulation Test. A full function Multimeter with an insulation test feature is used to test for voltage leaks through insulation found on Hybrid and Electric Vehicles.

Product Features:

- HyBrid Insulation Resistance Test
- True RMS
- Data Logging
- Auto Ranging
- Display Backlight
- Diode Test
- Min/Max Mode
- Continuity Buzzer
- Sleep Mode
- Data Hold
- Low Battery Display

3990 Includes:

Heavy Duty Class III test leads with alligator clips, Short Lead, K Type temperature adapter and Manual.



HYBRID MULTIMETER ACCESSORIES

These Hybrid Electric Safety Gloves are the most important articles of personal protective equipment when working on high voltage vehicles. They are the first line of defense for contact with any energized components.

3991-10

Small Glove with Leather outer protector set.

3991-11

Medium Glove with Leather outer protector set.

3991-12

Large Glove with Leather outer protector set.



WARNING: Safety Gloves must be inspected prior to each use in accordance with ASTM Standard F1236 and the applicable Service manual for the vehicle being serviced. Rubber insulating gloves must be retested electrically at least once every six (6) months using the test procedures described in the most recent editions of ASTM Standard F496.









Specifications:	3907	3910	3940	3908	3980	3505A	3990
Frequency:			1Hz ~ 10MHz ± 0.1%		1Hz ~ 10MHz ± 0.1%	1Hz ~ 10MHz	10Hz ~ 1MHz
RPM (Direct Test with Leads) or (with RPM PickUp)					0 - 10,000	0 - 10,000	
DWELL Angle					0 - 360º (1 - 12 CYL)	(1 - 12 CYL)	
Duty Cycle			0.1% ~ 99.9% ± 2.5%		0.1% ~ 99.9% ± 2.5%	0.1% ~ 99.9%	
Pulse Width-ms (negative)					1 ~ 999ms	1 ~ 999ms	
Temperature		-50ºC to 200ºC, -58ºF to 392ºF			-50ºC to 400ºC, -58ºF to 752ºF	-50ºC to 400ºC, -58ºF to 752ºF	-40ºC to 537ºC, -40ºF to 998ºF
DC Volts	200mV/2/20/200V ± 0.5%, 600V ± 0.8%	200mV/2/20/200V ± 0.5%, 600V ± 0.8%	400mV/4/40/400V ± 0.5%, 1000V ± 0.8%	400mV/4/40/400V ± 0.5%, 600V ± 0.8%	400mV/4/40/400V ± 0.5%, 1000V ± 0.8%	400mV – 600V	60mV/600mV/6V/ 60V/600V/1000V
AC Volts	2/20/200V ± 0.8%, 200mV/600V ± 1.2%	2/20/200V ± 0.8%, 200mV/600V ± 1.5%	4/40/400V ± 0.8%, 400mV/750V ± 1.2%	TRMS-4/40/400V ± 1%, 400mV/600V ± 1.5%	TRMS - 4/40/400V ± 1.5%, 400mV/750V ± 2%	4/40/400V 400mV/600V	TRMS - 6V/60V/600V/1000V
DC Amps (through Meter)		400/4000µA ± 2%, 40/ 400mA ± 1.5%, 4/10A ± 2%	400/4000µA ± 2%, 40/ 400mA ± 1.5%, 4/10A ± 2%		400/4000µA ± 2%, 40/ 400mA ± 1.5%, 4/10A ± 2%	40/4002µA ± 15%, 4/10A ± 2%	0.01mA to 600mA
AC Amps (through Meter)		200/2000µA ± 2.5%, 20/ 200mA ± 2%, 2/10A ± 2.5%	400/4000µA ± 2.5%, 40/ 400mA ±2%, 4/10A ± 2.5%		TRMS - 400/4000µA ±2%, 40/400A ±2%, 4/10A ± 2.5%	40/4002µA ± 15%, 4/10A ± 2%	3mA to 600mA
DC Amps (Inductive)				400A ± (1.5% + 5), 1000A ± (2% + 10)			
AC Amps (Inductive)				400A ± (2% + 5), 1000A ± (2.5% + 10)			
Resistance	200Ω/2/20/200kΩ/ 2MΩ±1%, 20MΩ±2%	200Ω/2/20/200kΩ/2MΩ ± 1%, 20MΩ ± 2%	400Ω/4/40/400kΩ ± 1%, 4/40MΩ ± 2%	400Ω/4/40/400kΩ ± 1%, 4/40MΩ ± 2%	400Ω/4/40/400kΩ ± 1%, 4/40MΩ ± 2%	400Ω/4/40/400kΩ ± 1%, 4/40MΩ ± 2%	600Ω, 6kΩ, 60kΩ, 600kΩ, 6MΩ, 40MΩ
Capacitance			40nF ± 3.5%, 400nF/4µF/40µF ± 3%, 400µF/4000µF ± 20%	400nF/4µF ± (2.5%+5), 40µF/100µF ± (5%+10)	40nF/400nF/4µF/40µF ± 3%, 400µF/4000µF ± 20%	40nF/400nF/4µF/40µF ± 3%, 400µF/4000µF ± 20%	
Insulation Testing							50V, 100V, 250V,500V, 1000V

Features:	3907	3910	3940	3908	3980	3505A	3990
Diode Test / Continu-ity Test	•	•	•	•	•	•	•
Auto Range	•	•	•	•	•	•	•
Auto Power Off	•	•	•	•	•	•	•
Data Hold		•	•	•	•	•	•
Backlight	•			•	•		•
True RMS				•	•		•
Relative Change			•		•	•	
Min/Ma•			•		•	•	•
Temp. Adapter		•			•	•	•
Hybrid Compatible/ Class III					•		•
Alligator Clips					•	•	•
CATIII			600V		1000V		1000V
Case				•	•	•	•
RS232 Computer Interface					•		
PC Cable/Software					•		
RPM Pickup adp.					•	•	
Insulation Test (Hybrid)							•
Inductive Current Measurement				•	with Accessory Clamp (Included)	with Accessory Clamp (Included)	



3505A
100 Series Autoranging Automotive Multimeter

The 3505A is the latest version of the Classic 100 Series Autoranging Automotive Multimeter with many new and useful troubleshooting features.

Product Features:

- Auto/Manual Ranging
- Resistance, Continuity, Diode and Capacitance Tests
- RPM Measurement
- Temperature Measurement (°F/°C)
- Millisecond Pulse width and Peak Volts measurements for Fuel Injectors
- Duty Cycle and Frequency to 10M Hz
- Dwell Measurement
- O2 Cross counts
- Relative Measurement, can be used for low resistance measurements to remove test lead resistance from measurement
- Data Recording: Min/Max for fluctuating measurements
- Data Hold, freeze data at the push of a button
- Fused direct current measurement up to 10 amps through meter
- Auto Power Off (can be disabled)

3505A 100 Series Autoranging Kit Includes: 100 Series Automotive Multimeter, heavy-duty test leads with removable alligator clip ends, inductive RPM clamp, temperature probe.

SCOPE AND METER ACCESSORIES

3820-13
Low-range amp probe with display – use alone or connected to scope. Long, small jaws combined with superior performance are ideal for: Ignition coils, Fuel injectors, Fuel pumps, Relays, Electric motors, Parasitic draw.

- 0–60A range, measure to 90A, 100mV/A
- High accuracy, and low noise interference
- Non-intrusive AC/DC current measurement
- Resolution: 10mA
- Average responding, RMS calibrated
- Auto ranging, auto zero, data hold, low battery indicator



3820-06
Low-range amp probe – Measures current in two ranges: 0-60 amps AC/DC. Ignition coils, Fuel injectors, Relays, Electric motors, Parasitic draw, Non-intrusive AC/DC current measurement.



3825-54
Mid-range amp probe with BNC adapter. Measures current in a range of 2–600 amps AC/DC.



3840-04
Test probes. Three pieces: red, yellow, black.



3840-05
Back probes. Three pieces: red, yellow, black.



3840-03
3-piece, 5-way alligator clip - Plug-on multiple-use clip includes: bed of nails, piercing tip, alligator clip,spade and square lug connectivity.



3840-02
Banana lead extension includes two 4 ft. leads.



MULTI-APPLICATION DIGITAL PRESSURE AND TEMPERATURE ANALYZER

Combining the functions of vacuum, oil pressure, hydraulic system pressure, fuel pressure, transmission pressure compression, and air conditioning—all in one!
No need to have fuel or transmission hoses inside vehicle during a road test. No makeshift taping of gauges to the windshield.



3490
Deluxe digital pressure/temperature analyzer with four pressure input receptacles and protective boot. **Set includes** (500 psi) transducer, 12' cable, 8-1/2" hose, bead-type temperature probe, assorted fittings, plastic storage case, instruction manual.



3492
Heavy-duty digital pressure/temperature analyzer with four pressure input receptacles and protective boot. **Set includes:** No. 3491-02 (5,000 psi) transducer, No. 3491-13 20' cable, No. 3500-05 bead-type temperature probe, assorted fittings. No. 3491- plastic storage case, instruction manual.



Accessory:

3491-01
500 psi transducer.

3491-02
5,000 psi transducer. Required for ABS and power steering pressure readings.

3491-03
10,000 psi transducer.
(Note: For No. 3492 only.)

3491-11
6' cable.

3491-12
12' cable.

3491-13
20' cable.

THE JUDGE—ROTATING ELECTRICAL ALTERNATOR/STARTER BENCH TESTER

The Judge will test virtually every alternator and starter precisely, providing accurate results.

This rotating electrical tester, using advanced computer technology, lets you quickly diagnose alternators and starters with extreme accuracy—validated by component manufacturers. It features an integrated self-test to eliminate bad test leads, thus improving test results and reducing warranty costs to the auto parts retailer. Your tester investment is protected by The Judge— it can be updated to accommodate manufacturer's new starters and alternators, or to change test parameters on existing devices.



Easy-to-use, 10.5" color touchscreen allows intuitive user interface.

Innovative alternator mounting with tensioned idler and a newly designed starter vise.

- **No More Flip Charts**—Integrated "Lester-based" part number database, or by vehicle selection.
- **Faster Set-up**—new improved mounting for alternators and starters.
- **Integrated Self-test Features provide a lead check application**—ensuring bad test leads are eliminated.
- **ETL Certified**—with circuitry specifically designed for reliability and durability.
- **Hooded Test Bay**—allows observation while capturing debris, grease, or oil when testing a well- used component.
- **Full-Color Touch Screen**—easy-to-use interface screen (10.5" display).
- **Ease of Component Mounting**—improved flexibility supports the latest mounting configurations.
- **Easy-to-Use Menus**—screen prompts guide technician through procedures.
- **Expandability**—easy to update and expand as new alternators/starters are developed.
- **Compact Flash Card Port**—update software and add memory as needed.
- **Bar Code Reader**—optional feature for fast and accurate test set-up.
- **Interlock Switch**—prevents operation when door is open.



Easy-to-use screen prompts guide you through procedures quickly and accurately.

3643
Judge rotating electrical tester. Includes bench tester, mounting pins, alternator cable, starter cable, solenoid cable, test leads, manuals.

3643-01
High speed serial printer.



Hooded test bay with observation window improves safety. Door interlock switch prevents operation when door is open.

THE JUDGE ROTATING ELECTRICAL TEST CABLE CHART

3643-21 N-01


3643-22 N-02


3643-23 N-03


3643-24 N-04


3643-25 N-05


3643-26 N-06


3643-27 N-07


3643-28 N-08


3643-29 N-09


3643-30 N-10


3643-31 N-11


3643-32 N-12


3643-33 N-13


3643-34 N-14


3643-35 N-15


3643-36 N-16


3643-37 N-17


3643-38 N-18


3643-39 N-19


3643-40 N-20


3643-41 N-21


3643-42 N-22


3643-43 N-23


3643-44 N-24


3643-45 N-25


3643-46 N-26


3643-47 N-27


3643-48 N-28


3643-50 N-29


TEST FASTER WITH THE FIRST CLAMP-AND-READ AUTOMATED DIGITAL BATTERY TESTER



TEST AUTOMOTIVE 6V, 8V, 12V LEAD ACID BATTERIES (WET, VRLA, AGM)

3200

OTC SMART BATTERY TESTER

Test faster with the first market solution to utilize the power of your iOS or Android smart device when paired with the OTC 3200 App.

- In 10 seconds or less - get a simple visual diagnosis of a battery, and automatically display battery float voltage, cold cranking amps (Wet and AGM) and charging voltage.
- In 20 seconds or less - with the turn of the key, also test battery cranking health and charging systems.
- In less than 2 minutes - test your battery, cranking health and charging systems. Receive a comprehensive, full color and easy-to-understand test report for your customer on your smart device for easy sharing via on-screen, print or email.

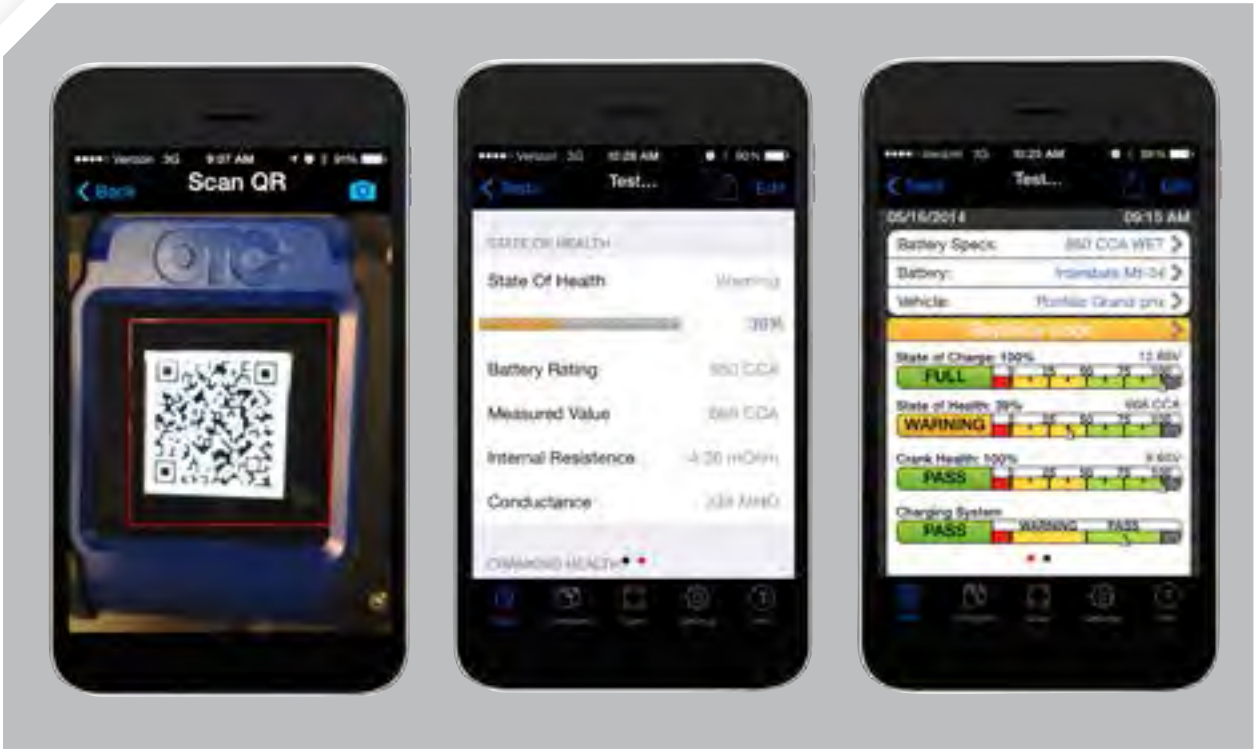
The included 9V battery allows testing of deeply discharged and dead batteries for rapid diagnosis.

UNLEASH FULL POWER WITH THE OTC 3200 APP

The free OTC 3200 App available in the iTunes and Google Play stores, reads and displays battery data contained on the tool's alternating QR code. Instructions are included and online to help get you started.

- Delivers instant stop-light style "red-yellow-green" coded graphical summary reports that can be displayed, printed, emailed and shared on-screen.
- Automatically saves all test reports on your smart device and to a secure cloud service for future searching or sharing.
- Sync feature sends information to all phones used in your shop so service managers and techs can access reports by vehicle.
- Smart phones and tablets paired with the tester must have 5MP auto-focusing, rear-facing camera to meet full requirements.

Watch the tool used at a local shop on a 2000 Celica here:



FOR BATTERY TECHNICIANS AND INSTALLERS:

1. The 3200 is fast and simple to use. The tool's test routine is automatic with no buttons to push. Get at-a-glance understanding in seconds.
2. The 3200 test results are easy to explain to customers. The OTC 3200 App automatically generates easy to understand instant color reports.
3. The 3200 is affordable, offering more features versus competitive products priced 3x higher.

FOR AUTOMOTIVE SHOP OWNERS:

1. The 3200 app can help you sell more batteries, offering a transparent and objective way to show customers their vehicle battery health.
2. When techs use the 3200 app, the data from every test can be used to understand and monitor testing and sales activity.
3. The 3200 drives customer satisfaction, retention and conversion. Battery tests are easily emailed to customers and also linked to customers' work orders and vehicles. You can use the data to bring customers back to the shop for periodic testing.

HOW IT WORKS:

Use the 3200 device alone:

The 3200 device can be used standalone as an easy and fast service lane tool delivering near-instant, easy-to-read battery information.

USE THE 3200 DEVICE WITH THE FREE APP:

- Download the 3200 app on your smartphone, register and start the app.
- Attach the 3200 tester device directly to the lead of your battery's posts.
- Make sure to start your engine (you may turn off after 5 seconds) to receive data about the cranking health and charging voltage.
- Enter your desired battery test parameters manually or with optional UPC scan where available and scan the QR code on the tester device.
- Optionally add VIN information with make/model/year manually or via the automated VIN scan function.
- Share your results with customers on-screen, via email or printout with your network printer.

Google play

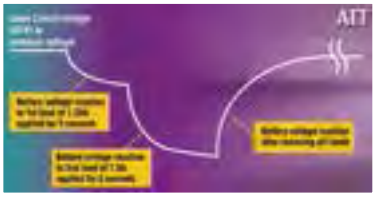
Made for iPod iPhone iPad

Google Play is a trademark of Google Inc.

SABRE HP



Sabre HP is designed to let you quickly diagnose bad batteries in a discharged state without needing to charge them first. By utilizing a patented OTC micro-load testing method, this tester ensures accurate test results without any interpretation on vehicle battery, starting, and charging systems. Ships with 3' leads.



Product Features:

- Digital circuitry precisely controls battery test loads to accurately determine battery conditions using OTC micro-load test technology.
- Tests the battery both statically & dynamically with multiple fixed loads.
- Provides the most accurate test results.
- Less susceptible to erroneous results from remote or bad connections, surface charge, and parasitic drains.
- Accurately tests both absorption glass mat (AGM) and flooded lead acid (FLA) batteries.
- Tests vehicle's starting and charging systems with minimal user interaction; automatically applies loads for accurate charging system tests.
- Tests all 6- and 12-volt batteries with a 50–2000 CCA operating range.
- Tests batteries down to 1 volt state of charge.
- Temperature and low charge compensation.
- Detects bad cells.
- Scales: CCA, CA, AHR, MCA, JIS, DIN.
- 4 x 20 backlit display shows CCAs, voltage, and good/bad status.
- Over-molded enclosure with soft-touch keys.
- Built-in infrared printer interface for remote printing (printer optional).
- Flash upgradeable memory in field.
- Removable/auto-sensing leads (optional 10' leads available).
- Printout has date/time stamp and user definable header and footer.
- Optional amp clamps for current drain tests and starting/charging measurements–the only hand-held battery tester with this feature.
- Reverse polarity protection.
- Hard carrying case.
- 3-year warranty.

3167 – SABRE HP
Includes SABRE HP, 3' test leads, side-post terminal adapters, instruction manual, and molded-plastic carrying case.



3167

3168 – SABRE HP Deluxe Kit
Includes SABRE HP, 3' test leads, side-post terminal adapters, instruction manual, infrared wireless printer, and molded-plastic carrying case.



3168

Accessories:

3169 – Printer
Infrared wireless printer for use with No. 3167 (included with No. 3168).

3167-01 – 3' test leads.

3172 – 10' test leads.

SABRE HEAVY-DUTY BATTERY & ELECTRICAL SYSTEM DIAGNOSTIC TESTER



- Heavy-duty for 24-volt battery and electrical systems.
- Diagnoses battery packs in series, parallel, or series/parallel.
- Tests AGM/gel-cell batteries.

HIGHEST CCA capacity ranges (50–4000 CCA – 24V).
LARGE DISPLAY for less scrolling, more detailed instructions. It's also backlit for all light conditions.
INDUSTRY FIRST amp-clamp connection ports for live amperage readings using optional external amp-clamp.
15 FT. Cable to perform tests from the cab of the vehicle.
FIELD UPDATEABLE to accommodate new battery types, system updates, feature additions.



Battery Testing

- Tests the following battery pack configurations:
  - One battery (6V or 12V).
  - Two batteries in series (24V); 2, 3, or 4 batteries in parallel (12V).
  - Two banks in parallel, each bank having 2 batteries in series (24V).
- Uses pack configuration in algorithm design.
- Step-by-step user instructions for easy test completion.
- Tester-applied loads used on all pack combinations.

Electrical System Testing

- 12V and 24V charging/starting system tests.
- 12V and 24V diode tests.
- Amp-clamps available (not included) for starting/charging and current draw tests.

Product Features:

- **Amp-Clamp Connection** – allows current drain tests and starting/charging analysis.
- **Tests Both FLA** (flooded lead acid) and AGM (absorbed glass mat) battery types.
- **Scales** – CCA, CA, AHR, MCA, JIS, DIN
- **User Definable** – print header and footer.
- **Removable Test Cables** – easily field replaceable.
- **PC Interface Port** – allows for field updateable software.
- **IR Compatible** – allows optional infrared wireless printer.
- **Readout Display** – backlit for low light conditions, easy to view data in direct sunlight (4 x 20 character display).
- **Security Cable Connection** – protects against stolen or dropped units.
- **Over-molded Surround with Soft-touch Keys** – ruggedly built, easy to use, even with gloves.

3167-HD – Sabre HD deluxe kit
Includes 24-volt heavy-duty battery tester, 15' test leads, instruction manual, molded-plastic carrying case.

3168-HD – Sabre HD deluxe kit with printer
Same as No. 3167-HD above, but also includes an infrared wireless printer.



3168-HD

Accessories:

3172-15 – 15' lead set.

3169 – Infrared wireless printer.



Battery Charging/Starting System Professional Analyzer Kits

Made for the professional technician, No. 3185 tests batteries and starting/charging systems faster than ever before. The BCS system analyzer has an operating range of 50–2000 CCAs and is able to store data in memory or remotely print outthe results using an infrared printer interface. It also measures voltage, and tests starting and charging systems at the push of a button.

Product Features:

- Quick 1-second initial results.
- Tests charging and starting systems 50–2000 CCA range accurate to 5 CCAs.
- Tests 6V and 12V batteries.
- Temperature and low charge compensation.
- Detects and identifies loose leads.
- Supports CCA, IEC, EN, BCI, and DIN scales.
- 4-line, 20-character LCD display shows CCAs, voltage, and good/bad status.
- Displays results in seven languages: English, French, Spanish, German, Italian, Dutch, Swedish.
- Built-in infrared printer interface for remote printing.
- Detachable cable leads.

3184

BCS system analyzer kit. Includes BCS system analyzer, a 12' extension cable for in-cab testing, two voltmeter probes, battery side- and threaded-post adapters, detachable leads, 9-volt battery, soft- sided carrying case.

3185

BCS system analyzer kit. Same as No. 3184, but also includes an infrared printer.



3183

Digital Battery Tester

Speed. Accuracy. Reliability. These are the cornerstones behindthe technology in our digital battery testers. No. 3183 tests 12-volt batteries (125–1400 CCAs) and analyzes by measuring multipleparameters within the battery to deliver accurate results. A live voltmeter allows easy starting/charging system testing. Its bright, 4-digit LED display indicates the battery's good/bad status, voltage, and available CCAs. It even compensates for cold temperatures.

Product Features:

- Quick 1-second initial results.
- 125–1400 CCA range.
- Analyze starting/charging system voltages.
- Tests 12V batteries.
- Temperature and low charge compensation.
- Detects and identifies loose leads.
- Detects bad cells.
- Surface charge warning.
- Measures multiple international units: CCA, IEC, DIN, BCI, and EN.
- 4-digit LED display shows good/bad status, available CCAs, and voltage.
- Includes digital battery tester. Includes digital battery tester and soft-side carrying case.



3180

100-Amp Battery Load Tester

Tests batteries on or off the car in just 10 seconds. Convenient, portable size and easy-to-read scales.

Product Features:

- Heavy-duty, copper-plated clamps.
- 100 amp load capacity.
- 0–16 volt range.
- Load safety switch prevents arcing.
- Heavy-duty, chrome-plated, ventilated steel case.
- Works on both 6V and 12V batteries.
- Ceramic insulators.
- Determines state-of-charge, cranking, and charging volts.
- Determines good/bad status.
- Extra-large display with zero adjust.

3181

130-Amp Heavy-Duty Battery Load Tester



Applying an industry-leading 130-amp load, this ergonomically designed, heavy-duty battery tester provides accurate, reliable test results in just 10 seconds. It includes uniquely designed clamps for a positive grip on top- and side-post batteries and an extra-large, easy-to-read display.

Product Features:

- 130-amp load capacity for accurate results.
- 0–16 volt range.
- Uniquely designed clamps for both top- and side-post batteries.
- Extra-large display with zero adjust.
- Works on both 6V and 12V batteries.
- Side tabs for on-tool clamp storage.
- Back brackets for tool storage on wall or toolbox.

3182

130-Amp Digital Battery Load Tester



Produce more accurate results with this 130-amp digital battery load tester. The compact, lightweight design is rugged enough for everyday testing of 6- & 12-volt batteries.

Product Features:

- Large, easy-to-read display.
- Side-clamp mount.
- Comfortable, easy-to-grip, ergonomic handle.
- Alternator test lead.
- Ripple detection light.
- 0–16 volt range.
- Dual jaw load clamp design.
- State of charge.
- Battery load test.
- Starter and charging system test.
- Alternator ripple test.
- 3182 Digital battery tester. Includes 130-amp digital battery tester and test leads.



3220

3220CD

Battery Diagnostic Manual

Gives essential information for battery service in one convenient manual. Saves valuable time by providing information in a complete manual rather than having to go to multiple locations for information.

Provides the following information in one manual –

- Battery access and service locations
- Battery disconnection precautions
- Power windows, locks and sunroof programming procedures
- Convenience accessory programming procedures
- Supplemental restraint and ABS system precautions
- Engine and body control system resetting
- Available in print or CD



3673

Diesel Glow Plug Tester

Glow Plug Tester provides fault detection thru LED's for a quick analysis; Short Circuit, Over Current, Normal Operation, Open Circuit/Under Current.

- Glow Plug Tester allows for testing without removing glow plug from engine.
- Powers the glow plug to test the plug in it's operating state.
- Much more accurate test than a cold resistance test, which can miss short circuits.
- Tester uses a current measurement to accurately determine proper operation and check for short circuits.



3674

Diesel Fuel Pressure Tester

- Simple one wire connectivity to the fuel pressure sensor signal wire. Designed for diesel engines that have a fuel pressure sensor reading used by vehicle computer.
- Displays pressure in PSI or BAR.
- Range 0-22,000 PSI (0-1500 BAR).
- Read diesel fuel pressure in vehicle.
- No fittings required.
- Readings alternate between current and max pressure.

QUICK STARTER TEST ...TESTS STARTER IN SECONDS WITH NO NEED TO DISABLE IGNITION.

MinuteMan Plus saves you hours when you're testing batteries, starters, alternators, regulators, and charging systems.

Features:

- Special AGM test options for accurately diagnosing AGM and spiral (six-pack style) batteries.
- Can switch between English and Spanish languages with a menu-based selection.



3130-01 Amp Probe Assembly

3130-003 Amp Probe Assembly

Battery Testing

The way it has been: Your customer brings in a dead battery and you have to charge it up to test it. Then, if it's a keeper, you have to recharge it. Hardly efficient use of your valuable time. With MinuteMan Plus on the job, you can test discharged batteries down to as low as two volts, and it won't drain a charged battery you are testing. You won't waste time charging bad batteries.

Works on all 12-volt automotive-type batteries with cold cranking amp ratings of 100–1500. This includes batteries found in motor-vehicle, marine, agricultural, forestry, and industrial applications. The tester operates from either 110 volts AC or its own internal, rechargable 6-volt battery. Features self-calibration, an internal battery check, and an automatic shut-down to reduce power consumption.

On certain competitive, carbon-pile load battery testers, the technician must interpret the readings, then make the electrical system diagnosis. With MinuteMan Plus, all you have to do is read simple test results on the LCD display.



3131AGM

Starter Testing

The MinuteMan Plus display shows cranking volts and amps, and indicates either "Good Starter" or "Bad Starter." Excessive starter current draw can indicate a defective starter. Excessive engine drag, due to tight or damaged bearings or piston drag, can also cause an abnormally high starter draw.

Charging System Testing

Checks the charging system at high rpms and at idle, and stores the data. Results show regulator volts, peak amps, and a diode condition. MinuteMan Plus utilizes waveform analysis when testing alternator diodes, which provides more accuracy than the commonly used "ripple voltage" tests.

Battery Tachometer Capability

Unique, patented direct-from-battery technology gives you tachometer readings without having to make complicated connections to the ignition system. Provides battery-sensing measurements to 4,000 rpm, with 1 rpm resolution.

3130AGM – MinuteMan Plus multi-application electrical system tester. Includes connector cables, internal rechargeable battery, battery charger, and instructions. Wt., 27 lbs.

3131AGM – Same as No. 3130AGM, but also includes roll-around cart with two additional shelves for other equipment. Wt., 53 lbs.



3125



3135



3130-01

Accessories:

3125 – MinuteMan Tester Cart
3135 – Printer kit.
3130-01 – Amp Probe Assembly.
3130-003 – Voltage Harness

ONESTEP™ BATTERY ANALYZER AND CHARGER

The OneStep is a bench-top battery tester and charger that provides extremely accurate battery diagnosis. The combination of SABRE heavy load, dynamic charge, and accuracy test technologies yields unparalleled accuracy, and the addition of charge acceptance into the test algorithms further increases the level of accuracy. Precise high-output charging can test, fully charge, and return a battery to service in under 45 minutes. It also provides analysis of a battery's charge acceptance by testing the battery again following the charge cycle. It is specifically designed for all forms of the newer AGM (including spiral wound types), gel cell and deep cycle batteries, as well as conventional FLA (lead-acid) batteries.

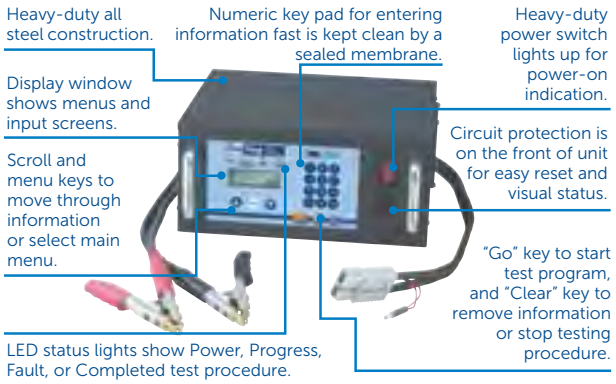
Product Features:

OneStep gives the user one piece of equipment to completely test and charge batteries with the highest accuracy.

- Precise High-output Charging—returns charged batteries to service in less than 45 min.
- Compatible with AGM, FLA, Gel Cell, and Spiral-Wound batteries.
- Extremely accurate testing—combination of Heavy-Load, Dynamic Charge and Accuracy Test Technology.
- LED Status Lights—quickly identify test status.
- Built Rugged—all-steel construction with solid copper transformer.
- Compact Flash Card Port—updates software and add memory as needed.
- Low Cost of Ownership—designed with internal overload protections for high volume use; field replaceable cables.
- Precise Output Charging—computerized control of charging voltage and current.
- Easy-to-Use Menus—screen prompts guide user through procedures.
- Expandability—easy-to-update and expand as new battery technologies are released.
- Bar Code Reader—optional feature for fast and accurate entry of battery specifications.
- Battery Warranty Output Code—allows easy warranty administration analysis.

Specifications:

- Battery Test Range: 12 volt, 150 – 1500 CCA
- Battery Type: Works on all constructions of 12-volt lead-acid, gel-cell, absorbed glass mat (AGM), wet cell, spiral-wound batteries.
- Operating Temperature Range: 4º F – 158º F ambient air temperature.
- Humidity: 0 – 85%
- Voltage Input: 115 volt 20 amp dedicated. Optional 15 amp input available.



3641 – OneStep battery analyzer/charger, 20-amp input. Wt., 68 lbs.
3640 – OneStep battery analyzer/charger, 15-amp input. Wt., 68 lbs.

Accessories:

3136 – Serial printer kit.

Utilizes switching technology which helps restore the batteries that are slightly sulfated.

Switches to float mode after the battery is completely charged.

Application: Lead Acid (FLA, AGM, GEL).



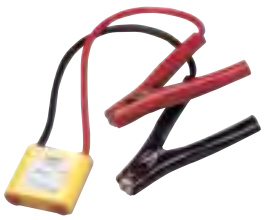
3176

Smart Battery Charger and Maintainer

The Smart Battery charger and Maintainer utilizes a patented 5-Stage Automatic charging system designed to charge a battery efficiently while prolonging the life of the battery. The automatic power switching gives you the ability to charge your battery to 100% without worrying about damaging the battery. The battery charger/maintainer comes with clamps for jump starts or overnight charging and ring connectors for permanent connection to seasonally used vehicles such as RVs and motorcycles.

Product Features:

- Maintains the battery charge level during vehicleprogramming
- Charges deep discharged batteries in about 12 hours
- Maintains the battery charge level if the vehicle or the battery needs to be stored for an extended period of time.
- Switches to float mode after the battery is completely charged
- Utilizes switching technology which helps restore the batteries that are slightly sulfated
- Easy-to-read LED lights to show the status of charging and battery condition
- Micro processor controlled pulse charger
- LED indicator lights : Red & Green
- Input: 110V AC
- Application: Lead Acid (FLA, AGM, GEL)
- Output: 5Amp /12Vdc
- Auto polarity, Spark free & Overcharging Protection
- IP65 waterproof, Dust Splash/Rain Protection
- Switches automatically to float mode



3386

Antizap Auto Surge Protector

- Connects to battery, and becomes part of vehicle'selectrical circuit. If a voltage spike is detected, the Antizap automatically clips it to a safe level to prevent damage to sensitive electronic systems.
- Protects fuel gauge, ABS brakes, radios, tape and CD players, car alarms, SRS air bags, LEDinstrumentation, EFI, fuel, and climate control systems. Protects against welding (Arc, Mig, and TIG).

Saves the on-board computer memory while the vehicle battery is disconnected.



3177A

Professional Memory Saver

An effective solution for saving vehicle data
Saves the vehicles on board diagnostic memory and other on-board memory components such as anti-theft radios, digital clocks, radio presets, seats, mirrors, comfort settings, etc. when the vehicles battery is removed or disconnected.

Product Features:

- OBD II cable for fast connection to the vehicle
- Cigarette lighter adapter for use with vehicles that do not have an OBD II connectorLED lights confirm circuit between the cigarette lighter/power outlet and the vehicle's batterywith the ignition on or off
- State of charge indicator identifies when the memory saver needs to be plugged in for recharge
- Resettable fuse protects against excessive current draw through either the OBD II connector or the vehicles cigarette lighter
- High capacity, rechargeable sealed lead acid battery for extended service between chargesPower on/off switch
- One, complete, durable compact unit

3177A includes: Memory saver power station with rechargeable high capacity 12V battery, 12V AC/DC charger, OBD II connector, Cigarette/power plug and cord.



3665

Phototach

- Phototach can be used as a contact as well as a non-contact tachometer.
- Four styles of contact adapter tips clip easily to the top of the phototach.
- Infrared technology makes the phototach accurate, convenient, and easy to use.
- Infrared beam not affected by ambient light.
- Non-contact design results in (zero) torque loss for true precision.
- Phototach is equipped with a laser pointer for accurate targeting.
- Reflective tape placed on a revolving object can be measured at distances from 2" to 20".
- Wide measuring range and high resolution, 2.5 to 99,999 rpm with a large 5-digit display, autoranging, min/max memory storage, and low-battery indicator.

ELECTRONICS TESTERS



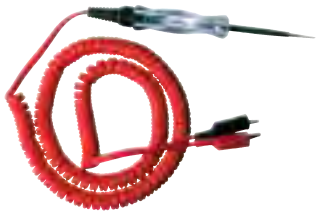
3630

Battery Powered Continuity Tester

Designed to test any type of non-live electrical circuit. Track down broken wires, bad grounds, and blown fuses quickly.

Product Features:

- Comes with AAA alkaline battery.
- Ergonomic, slim designed clear handle.
- 12', red coil cord.
- Low voltage replaceable bulb.
- Molded strain relief.
- Heavy-duty stainless steel probe with insulated shaft.
- Heavy-duty clip with positive soldered connection.



3631

Heavy-duty Logic Probe Tester

Multi-functional design allows testing range of 3–26 volts. Bright red and green LEDs interpret voltage signals such as ground, power, and frequency. Tests fuel injectors, solenoids, presence of serial data, and tach reference signals. Output tests on MAF, Cam, Crank, Hall Effect VRS sensors and more. High impedance input compatible with computer circuits and sensors.

Product Features:

- Air bag safe.
- 12', heavy-duty, twin clip, red coil cord lead.
- Checks 6-,12-, and 24-volt systems.
- Ergonomic, slim designed clear handle.
- Positive contact molded strain relief.
- Heavy-duty stainless steel probe with insulated shaft.



3642

12V–24V Truck Circuit Tester

Product Features:

- Works on 12–24 volt systems.
- Features 7" stainless steel probe.
- 24' coil cord.
- Extra large clamp.



3633

Mini-coil Cord Circuit Tester

Small handle with needlepoint stainless steel probe allows easy back probing and piercing. Special threaded probe comes with screw on alligator clip for additional versatility. Useful in testing electrical circuits and locating shorts, grounds, and open circuits.

Product Features:

- 12', heavy-duty, red coil, cord lead.
- Checks 6- and 12-volt systems.
- Ergonomic, slim designed clear handle.
- Bright red, high intensity/slim style replaceable bulb.
- Positive contact-molded strain relief.
- Heavy-duty, stainless steel probe with insulated shaft.
- Heavy-duty clip with positive soldered connection.



3634

Heavy-Duty, Straight Cord Circuit Tester

Designed for testing electrical circuits and locating shorts, grounds, and open circuits.

Product Features:

- 5-foot heavy-duty cord.
- Checks 6- and 12-volt systems.
- Ergonomic, slim designed clear handle.
- Bright red, slim style replaceable bulb.
- Positive contact-molded strain relief.
- Heavy-duty, stainless steel probe with insulated shaft.
- Heavy-duty clip with positive soldered connection.



3636

Heavy-Duty, Coil Cord Circuit Tester

Designed for testing electrical circuits and locating shorts, grounds, and open circuits.

Product Features:

- 12-foot, heavy-duty, red coil cord lead.
- Checks 6- and 12-volt systems.
- Ergonomic slim designed clear handle.
- Bright red, slim style replaceable bulb.
- Positive contact-molded strain relief.
- Heavy-duty, stainless steel probe with
- Insulated shaft.
- Heavy-duty clip with positive soldered connection.



3639

Extra Long, Heavy-Duty Circuit Tester

Long 7" probe shank allows access to difficult to reach areas for testing electrical circuits and locating shorts, grounds, and open circuits.

Product Features:

- 12-foot, heavy-duty, red coil cord lead.
- Checks 6- and 12-volt systems.
- Ergonomic, slim designed clear handle.
- Bright red, slim style replaceable bulb.
- Positive contact-molded strain relief.
- Heavy-duty, stainless steel probe with insulated shaft.
- Heavy-duty clip with positive soldered connection.



3644

12-Pack Display Assortment

Stand-up display of 12 circuit testers contains an assortment of all 6 circuit testers in a point-of-purchase display.

Contents include:

3630 – Battery powered continuity tester - (1)
3631 – Heavy-duty logic probe tester - (1)
3633 – Mini-coil cord circuit testers - (3)
3634 – Straight cord circuit testers - (2)
3636 – Coil cord circuit testers - (3)
3639 – Extra long circuit tester - (1)
3642 – 12V–36V truck circuit tester - (1)

Replacement Bulbs

3630-10
10 pack of replacement bulbs for No. 3630.

3633-10
10 pack of replacement bulbs for Nos. 3633 – 3639.

3642-10
10 pack of replacement bulbs for No. 3642.

ELECTRONICS TESTERS



OTC Test Leads
Constructed from high quality polyurethane, these high visibility coil cord test leads have superior memory retention and resistance to grease and oil, making them a perfect compliment to any technician's arsenal of test equipment. Test leads come with a variety of interchangeable tips suited for just the right application.

3902
Twin 5' jumper leads. High visibility black and red leads stretch to over 5 feet in length.

3903
24' jumper leads. From headlight to taillight, this extra long test lead stretches to over 24 feet in length.

3904
Twin 5' multimeter lead set. Expand the usefulness of any standard multimeter. This set includes one black and one red test lead, 2 multimeter probes, 2 banana plugs, and 4 alligator clips.

3905
Twin 5' multimeter/piercing jumper lead set. Pierce small gauge wires with this complete jumper lead set. This set includes one black and one red test lead, 2 multimeter probes, 2 banana plugs, 2 bed-of-nails, and 2 alligator clips.

3906
Twin 5' piercing test lead set. With 2 banana plugs and 2 bed-of-nails, this test lead set has just the right combination of tips for most testing applications.



3650
Heavy-Duty, Remote Starter Switch
Allows one person to start and crank engine while under the hood or from either side of the vehicle.

Product Features:
- With convenient hot circuit indicator, red ready light glows when starter switch is connected to a hot circuit; light goes off when switch is depressed.
- High current, heavy-duty push button switch ensures reliable operation and long service life.
- 5' leads made from heavy-duty, oil and grease resistant, 12-gauge wire.
- High current clips with protective boots open to an extra wide 5/8" for ease of hook-up.
- Soft, non-slip rubber grip.



3385
Universal Gauge and Component Tester
This is the fast way to pinpoint problems in fuel, oil, temperature, and vacuum electrical gauges. This gauge and component tester includes a test light and switch to also test instrument voltage regulators on various vehicles. Plus, you can use it as an instrument gauge tester by attaching the alligator clips to sensors and wiring harnesses on a variety of vehicles. Included is an instrument gauge application data sheet listing resistance set points for GM, Ford, Chrysler, Toyota, Nissan, VW, Mack, Navistar, and John Deere.



Ignition System Quick Test Kit
This kit enables technicians to do power-balance tests and diagnose problems on standard, electronic, or distributorless ignition systems. Comes with brass adapters to fit all auto coils, test probes and leads, spark gap tester, and step-by-step instructions that lead technicians through the power-balance test.
- Performs power-balance in less than 5 minutes on standard, electronic, or distributorless ignition systems.
- Spark gap tester checks for adequate kV voltages on electronic ignition systems, providing instant diagnosis of problems–whether a faulty coil, ignition wire, or spark plug.
- Ideal for checking spark in no-start condition, instead of wasting time trying to "ground out your screwdriver."
- Step-by-step instructions lead technician through tests to check if ignition has a bad ground all the way to defective coils.

3589 – Ignition system quick test kit.

3579 – Ignition system adapters, set of six.

6589
Electronic ignition spark tester
Check for spark on gasoline engines used in import and domestic cars and trucks, plus small engines.





3569
Terminal Test Kit with Circuit Tester (Standard Adapters)
- 14-piece standard terminal adapter set for the popular Packard Weather Pack, Metri-Pack, and Micro-Pack style connectors. External-internal versions of adapter styles.
- Circuit tester with bulb for 6-12-24 volt systems with interchangeable probes for use with terminal test adapters. Heavy-duty coil cord extends to 12 ft.
- Terminal adapters have flexible joints that eliminate damaged connector terminals that result from testing with a standard test probe.
- Complete kit in plastic storage case.



3587
Terminal Test Kit (Standard Adapters)
- Excellent accessory when testing with a scope or meter.
- 32-piece standard terminal adapter set for the popular Packard Weather Pack, Metri-Pack, and Micro-Pack style connectors. Multiple external-internal versions of adapter styles.
- Terminal adapters have flexible joints that eliminate damaged connector terminals that result from testing with a standard test probe.
- Set of 4 patch cords (4 ft.) included for use on multiple terminal connectors, for use with terminal adapters.
- Complete kit in plastic storage case.



3590
Electronic Stethoscope
- Quickly pinpoints noise and location of bad bearings, bushings, dirty fuel injectors, wind/air leaks, valves, and lifters.
- Flexible shaft reaches tight areas.
- Ultra-sensitive mic and amplifier provide a full range of sounds needed by the professional.
- 7 sound-level control settings; 60 dB to 120 dB.





Bosch Diagnostics

Unmatched Coverage and Repair

BOSCH
Invented for life

Bosch
Alphabetical Index

BAT 55 Stable Power Supply / Charger 56
BAT 110 Battery Tester 12V System 56
BAT 131 Battery System Tester 57
BAT 151 Electrical System
Diagnostic Analyzer Base Kit 57
ESI[truck] HD Diagnostics 46, 47
Ford VCM II..... 50
GM Multiple Diagnostic Interface 51
Mastertech VCI.....48, 49
MMD 540H Hybrid Multimeter Kit 55
Multimeter-FSA Hybrid Tester..... 55
Scope/Engine Diagnostic..... 53
Smoke Machine Tester 54
Tech 2 52

ESI[truck] HD Diagnostics
Unmatched Coverage and Repair Information at the truck





Bluetooth wireless capability.

Increase Shop Efficiency

- Code to fix at the truck
  - Trouble shooting information in the tool
- Tech stays at the vehicle
- Repair Info at the truck
  - Wiring Diagrams
  - Component Pictures & Locations
  - Test Procedures & Descriptions
  - DTC Look-up
- Automatic Vehicle ID



Single, Intuitive Interface

- Work on all trucks with a common scan tool
- Intuitive, easy to use



Functions Mechanics Need

- Read & clear fault codes
- Cylinder cut-out
- Cylinder compression/balance
- Injector actuations
- Key component actuations
- Key system tests

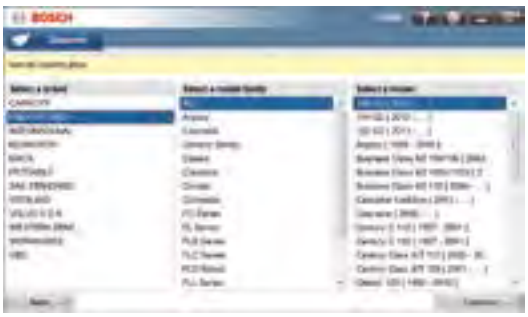


Works with Other Software

- RP1210 VCI
- Compatible with industry software including most OEM's

Best Aftermarket Coverage

- Truck Brands
  Freightliner, International, Kenworth, Mack, Volvo, Peterbilt, Sterling, Western Star
- Engine Brands
  Cummins, Caterpillar, Detroit Diesel-MBE, Volvo Mack, Navistar, PACCAR, Perkins, Deutz, MTU
- Brake Systems
- Transmissions
- Trailer ABS
- In-Depth Heavy Duty, Medium Duty
- Light Duty basic





3824 **Bosch ESI[truck]**

– Includes ruggedized 10" tablet
– RP1210 Data Link Adapter
– 6 Pin, 9 Pin, and 16 Pin Connectors
– ESI[truck] Diagnostics Software
– External DVD Drive
– One year warranty



3824BSC **Bosch ESI[truck]**

– RP1210 Data Link Adapter
– 6 Pin, 9 Pin, and 16 Pin Connectors
– ESI[truck] Diagnostics Software
– One year warranty



Accessories



3824-01
9-Pin Adapter cable



3824-02
6-Pin Adapter cable



3824-03
16-Pin/OBD cable



3824-04
Multipin cable



3824-05
USB Cable



3824-06
Trailer Adapter

Mastertech VCI
Scan Tool Diagnostic

Essential Product. New Configuration. Impressive Price.

The Bosch Mastertech VCI is now available in a more cost-effective configuration that offers validated flashing that meets both SAE J2534 and ISO 22900 industry standards. It also is capable of OEM-level diagnostics so it is like having multiple OEM tools in one.



Bosch Mastertech VCI provides;

- **Validated J2534 Flashing** – covers GM, Ford, Chrysler, Honda, Nissan, Mazda, Mitsubishi, Saab, BMW, and more to come in the future. M-VCI is an approved reprogramming device.
- **Authentic OEM Dealer Level Diagnostics** – compatible with BMW ISTA, Saab GDS 2, GM Tech2Win, GM GDS 2, and more to come in the future. OEM dealer lever diagnostic software is purchased separately from vehicle OEM websites.
- **Optional Aftermarket Diagnostic Software** – Domestic, Asian and European vehicle coverage is available for purchase. Visit www.boschdiagnostics.com for complete coverage details.
- **Enhanced High Speed Ford Cylinder Contribution Test**[1] – Enables technicians to quickly diagnose cylinder performance problems on Ford CAN vehicles. Optional FREE download available at www.boschdiagnostics.com.

[1] The M-VCI is required to run the application

Great coverage for all vehicle models using the Mastertech VCI



Laptop

OEM Website*
- Diagnostics
- Reprogramming





European



Asian



Domestic

***Note:** OEM's have specific PC requirements for their application to work properly. Please consult their respective websites for information about PC requirements necessary to properly run OEM Applications prior to use. Vehicle calibration files purchased directly from the OEM.

F00E901631 Bosch Mastertech VCI, hardware kit- Includes the base Mastertech VCI, DLC cable, WIFI wireless dongle, AC power supply, USB cable and carrying case. Software not included.



F00E901631

Advantages of M-VCI:

- Industry-standard SAE J1962 16-pin connector with no special “keys” or adapters required for OBD II vehicles
- Operates with a Windows PC through either 802.11 wireless, Ethernet or USB connection
- Fully OBD II compliant, including Controller Area Network (CAN) protocols
- Includes USB WiFi adapter that provides internet connectivity during vehicle diagnostics

F00E901632 The Bosch Mastertech VCI Aftermarket Diagnostic Software- Includes the final release of Shop Foremen Pro and ESI 2.0. The 2013 final release software is a one time purchase license (no future updates).



F00E901632

Advantages of Optional ESI[tronic] 2.0 and Shopforeman Pro Software:

- Quick module status check of the vehicle network
- Intuitive system menus to speed diagnostics
- Pulls OBD II codes with 4 clicks!
- Wide range of functions such as†: Auto Brake Bleed Test
  - Bi-directional controls for engine, body and chassis systems
  - Steering Wheel Angle Reset
  - Maintenance Light Reset
  - Electronic Stability Control Test
  - Electronic Throttle Programming
  - Tire Pressure Sensor ID Programming
- Technical support for tester operations via technical hotline
- Vehicle health test that is easy to use
- Includes the following vehicle coverage:
  - European Vehicle Coverage- Audi, BMW, Mercedes-Benz, Mini, Volvo, Volkswagen, Smart
  - Domestic Vehicle Coverage- Chrysler, Ford, General Motors
  - Asian Vehicle Coverage-Toyota, Honda, Nissan, Hyundai, Kia, Lexus, Scion, Acura, Infiniti

†Depending on vehicle/system

3893MVCI Total Shop Solution: 3893MVCI OTC Encore + Bosch Mastertech VCI. For details on the OTC Encore see page 8.

Bosch Diagnostics
Authentic OEM Diagnostics to Aftermarket with Ford VCM II

The Ford Vehicle Communication Module II (VCM II)

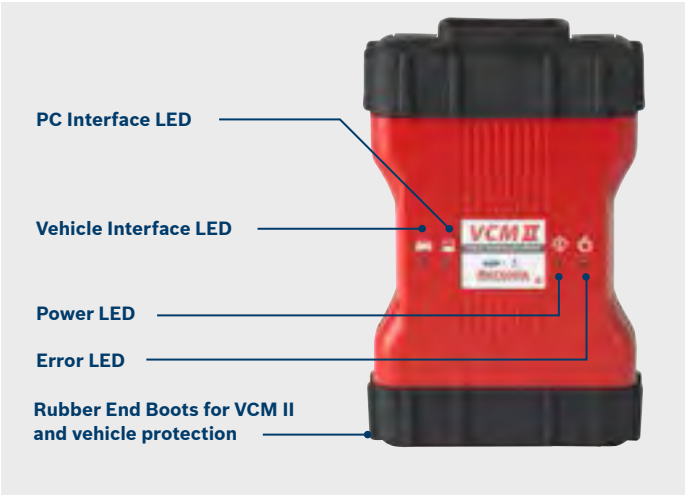
The Ford VCM II is the authentic Ford OEM diagnostics scan tool that works with the Ford IDS diagnostics application running on a PC to diagnose Ford, Lincoln and Mercury vehicles

The VCM II offers:

- Authentic OEM diagnostics for Ford, Lincoln and Mercury Vehicles.
- Customer Flight Recorder (CFR) functionality with an optional pendant cable.
- Industry standardized J1962 Data Link Connector (DLC) and USB cables.
- Four LED indicators and signaling device providing technician with continuous visual as well as audible operating status.
- Enhanced 802.11 wireless that minimizes dependencies on service department wireless capability infrastructure.
- Improved durability.
- SmartPower Management system to protect the VCM II in extreme environments.

Integration with IDS:

- New wireless software integrated with IDS installation package.
- Wireless functionality preferred for all IDS functions including module reprogramming. USB wired connections are only required to update the VCM II loaded code and to set up the VCM II to function as a Customer Flight Recorder.
- CFR option added to provide legacy and future vehicle coverage.





F00E9016297HH
Includes VCM II, VCM to Laptop cable, USB wireless cards, and DLC cable

*software license sold separately



F00E9016307HH
Includes VCM II, VCM to Laptop cable, USB wireless cards, DLC cable and CFR kit.

*software license sold separately

* VCM II can be used with any PC meeting the minimum specifications shown on www.motorcraftservice.com which also has a valid IDS software license subscription. IDS software licenses are sold separately from the VCM II. To purchase an IDS software license, visit www.motorcraftservice.com and click on Diagnostic Tool Support.

Ford and VCM II are used under license from Ford Motor Company.

GM Multiple Diagnostic Interface (MDI) Programming Solution Bundle



- The GM MDI Unit is a compact communication module that manages the transfer of data between a vehicle's onboard ECU network and a PC.
- The GM MDI Programming Solution Bundle includes a one year subscription to the GM Technical Information System (TiS) SPS – a $995 value!
- With your included TiS SPS subscription you can always access the most current General Motors vehicle control module calibrations.
- The GM MDI Unit has an easy to grip, comfortable, rugged enclosure.
- The GM MDI Programming Solution Bundle allows the user to perform Pass-Thru programming procedures using software running on a laptop or desktop PC.
- Using the GM MDI Unit for programming frees up your Tech 2 for diagnostics.
- User can perform Data transfer and Electronic Control Unit (ECU) reprogramming.
- The GM MDI Unit has shop network communications (LAN and WLAN) capabilities.
- Future expandability, including diagnostic applications.
- GM MDI is also available without TiS SPS subscription.

GM Software Subscriptions

To enable Independent Service Centers to be competitive in the automotive aftermarket, ACDelco offers GM Technical Information System (TiS) subscriptions via the Web.

To activate or renew your GM software subscription for your Tech II or Multiple Diagnostic Interface (MDI) unit, please visit www.acdelcotechconnect.com.

GM MDI Software Subscription (included in bundle)

The GM MDI unit requires the GM Technical Information System (TiS) SPS subscription to perform vehicle programming.



F00K10832235E
GM MDI

Includes the GM MDI, Ethernet and USB cables, cable keeper, power adapter, data link cable, MDI users guide (CD), and four AAA batteries.



169900012935E
CANdi Module

Includes the CAN diagnostic interface module and instruction sheet. IMPORTANT: In order for the CANdi module to work, you must have a 32 MB PCMCIA card with at least software version 24.001 in your Tech 2.

Tech 2
Scan Diagnostics



F00E9009777HH Tech 2 Pro Optima

Kits come with pre-loaded General Motors scantest software. Additional TIS 2 Web software must be purchased separately via the ACDelco Tech Connect website.

Ideal for vehicle diagnostics.

The Tech 2 has been an essential tool in dealerships worldwide since 1997. Now you can put the same dealer software in your shop. When your business depends on maximum productivity, don't settle for anything less.

With additional OEM purchased software, the Tech 2 can be used to diagnose Izuzu, Saab, and Suzuki vehicles. Contact the OEM dealer for software purchase details.

Essential Features

- Authentic General Motors software coverage
  - Model year 1992 to 2009
    - Most vehicles
  - 2010 to Current – Select vehicles not covered by General Motors GDS 2
- Covers all powertrain, chassis, and body systems
- Enhanced diagnostics on GMLAN (CAN) vehicles with optional CANdi module
- Patented bi-directional control testing



What Makes the Tech 2 Different?



Access to all on-board systems

Multiplex network module status

Enhanced GMLAN

Comprehensive OEM-validated bi-directional control testing

MTS 5200
Scope/Engine Diagnostic

Comprehensive Engine Analysis

The MTS 5200 is the single solution to all your engine analysis needs. Now you can have the power of the "big box" analyzers in one portable hand-held tool.



Modular Design

Build the functions as they are needed to make a full function engine analyzer.

Start with a 4-channel oscilloscope and a graphing multimeter.

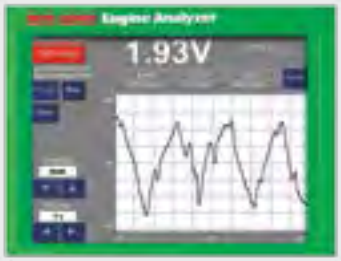
Next, add the ignition upgrade package and get primary and secondary ignition support.

Then, add the vacuum, pressure and failed cylinder test package and get a full complement of mechanical tests.

F00K1085847HH	MTS 5200 Engine Analyzer Technician Efficiency Pro Package with Amp Probes
F00K1085837HH	MTS 5200 Engine Analyzer Technician Efficiency Package
F-00K-108-032	MTS 5200 Engine Analyzer Base Kit

4 Tools in 1

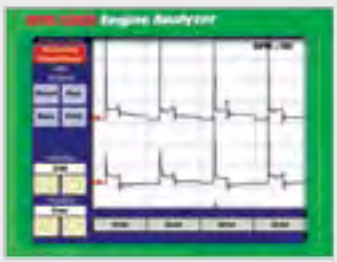
Graphing Multimeter/DVOM



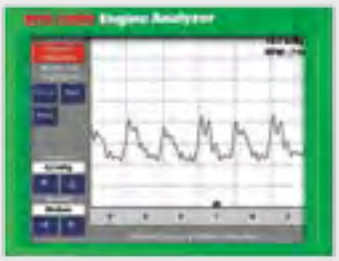
4-channel Oscilloscope



Ignition Analyzer



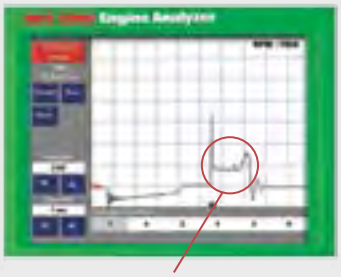
Engine Analyzer



Start with the basic kit and build the MTS 5200 to fit your diagnostic needs.

Complex Problems...Simple Solutions

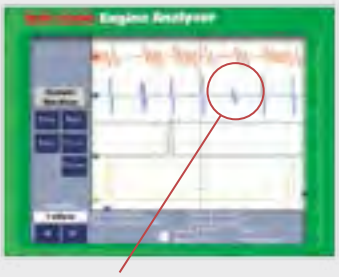
Coil On Plug



Good burn time

Painless COP diagnosis displays a waveform in three easy steps

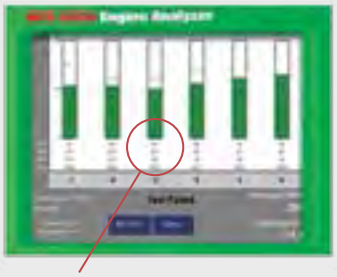
Multichannel Pinpoint Test



Faulty crankshaft position sensor

Simplified intermittent diagnosis multichannel sensor display

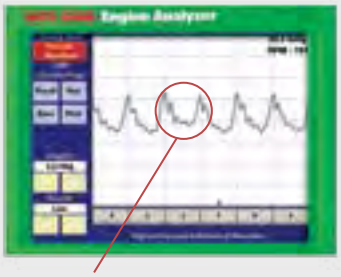
Cranking KV



Weak coil output

Efficient ignition analysis in less than 60 seconds

Vacuum Per Cylinder



Low vacuum on cylinder #2

Comprehensive mechanical testing includes vacuum, pressure and ignition KV

SMT 300
Smoke Machine Tester

The Bosch SMT 300 Smoke Machine Tester is a full featured device which allows today's shop to perform various types of vehicle leak testing.

The compact design and full complement of accessories makes this an ideal fit for any repair shop needing a workhorse of a smoke tester. It has built in safety features for EVAP testing. Suitable for leak testing of any closed system found on today's vehicles.

Essential Features:

- Compact (13" x 12" x 13" tall)
- Lightweight (19 lbs)
- Operates off vehicle (12 V) battery
- Full featured machine with graduated smoke flow control valve, air flow meter, and pressure/vacuum decay gauge
- Full complement of accessories with storage case
- Multi-purpose tester designed for leak detection in any low pressure closed system; usable to pinpoint wind and water leaks of passenger and trunk areas
- OEM approved smoke test technology
- Designed for safe use in any vehicle; will not damage vehicle components or void any factory warranty
- Meets SAE standard for safe EVAP testing (2007–01–1235 and 2008–01–0554)
- Uses UltraTraceUV® dye solution to create Diagnostic Smoke®; the only OEM approved solution
- Dye deposit is UV light-traceable (light included w/kit)



F00E90029135E SMT 300 Smoke Machine Tester Kit

Replacement parts for kit—Included items

F00E90034835E Smoke Solution
F00E90034935E Cap Plug Set
F00E90035035E Exhaust Cone
F00E90035135E Smoke Diffuser
F00E90035235E Light and Glasses
F00E90035335E EVAP Port Adapter
F00E90035435E Schrader Valve Tool
F00E90036435E Accessories Case

Optional Accessories



F00E90035535E
Insert Gas Pack



F00E90036135E
Filter Kit



F00E900362
Universal Neck Adapter



F00E90036335E
BMW-Mini Neck Adapter



F00E90036535E
Preset 100 psi Regulator*



F00E90036635E
Cylinder Hose*

*For use with larger inert gas bottles found in shops.

Bosch Diagnostics
Digital Multimeter

The Bosch MMD 540H Hybrid Multimeter is a CAT safety rated, auto ranging digital multimeter designed for use in diagnostics of electronic circuits.



Whatever your shop services: automotive, fleet, motorcycle, marine or small engine, the MMD 540H has the capability to keep up with your business.

The MMD 540H offers:

- CAT III (1000v) safety rating for hybrid vehicle circuits
- Peak, Min/Max readings as fast as 1 millisecond
- Higher amperage test ranges, up to 20 Amps
- Inductive RPM clamp for conventional and DIS ignition systems
- Fused diagnostic test leads for safe trouble shooting (up to 20 amps) at the circuit fuse location
- K-Type thermocouple for quick temperature measurement
- Large LCD display with bright backlighting and auto shutdown
- Tri-lingual users manual on CD (English, Spanish, French)
- Rugged nylon case with handle for efficient storage

F00E9001013CM MMD 540H Hybrid Multimeter Kit



- Extra long test leads
- Inductive RPM clamp
- Additional fused diagnostic test leads for ATC and Mini fuse types
- K-type thermocouple
- 9 volt battery
- CD based, tri-lingual users guide
- Nylon storage case with handle

The FSA 050: Future-proof as a standalone device or as a special accessory

The diagnostics module for testing vehicles with electric and hybrid drive. The hand-held device be linked wirelessly to a PC system.
As an individual solution, the FSA 050 offers insulation and high-voltage testing for electric and hybrid drives.

Essential Features:



- More versatility and competence during troubleshooting
- Cost-effective entry to diagnostics of electric and hybrid vehicles
- Flexible as a standalone device or as a special accessory

Equipped for professional diagnostics of electric and hybrid vehicles

- Hand-held unit with radio connection to Windows operating systems[1]
- Testing of vehicles with electric and hybrid drive
- High-voltage tests
- Insulation tests
- Multimeter function: Voltage, resistance, capacity,
- continuity test
- Use as a standalone device
- Windows operating use with systems[1] PC

0684010050480 Multimeter-FSA Hybrid Tester

- 2 Measuring cables
- High-voltage probe
- DVD CompacSoft[plus]
- Bluetooth stick
- Storage case



BAT 55, BAT 110
Battery Charger / Battery Tester

BAT 55 Stable Power Supply Charger provides reliable power supply for charging and maintaining battery state-of-charge during ECU reprogramming.



Essential Features:

- Advanced switch-mode design
- Provides a cleaner, more reliable power source than standard battery chargers
- Fully-regulated DC output prevents overcharging of the battery and precisely maintains the necessary battery voltage during complex service and reprogramming
- Multiple protection features for a long, trouble-free life:
  - Reverse battery polarity protection via replaceable fuses
  - Brownout input protection
  - Over-current protection; cycle-by-cycle peak limiting and rated current-limiting to maximize the life of the converter
  - Over-temperature protection
- Qutie, small and compact for protability
- Commercial design and heavy-duty internal components ensure years of continuous use
- High quality, detachable cables for easy field service
- Protective carrying case for storage or during use

F00E9003737HH BAT 55 Stable Power Supply andCharger

Unique proportional fan control circuit sets the fan speed directly proportional to the converter's internal ambient temperature. This enables the fan to turn on and off very slowly, minimizing unwanted fan starting noise.



The BAT 110 is a rugged workshop battery tester that uses conductance technology to provide quick and accurate testing of batteries, charging systems and starter systems.



Essential Features:

- Large LED display
- Battery condition is indicated by illuminated LEDs
- Capable of testing AGM and standard flooded batteries
- Temperature compensation for accurate test results
- 5 Large, easy-to-use navigation buttonsLarge, easy-to-use navigation buttons
- 12V load-free battery tester
- Suitable for testing lead-acid batteries: standard, maintenance-free, plus AGM batteries
- Capable of diagnosing 12V starter and charging systems
- Lowest voltage storage function when testing starter systems
- Highest and lowest voltage storage function when testing charging systems
- Tests CCA norms*, as well as IEC, DIN, SAE, and EN
- Accurate test results under all temperature conditions
- Indicator for defective battery
- Solid and rugged housing stands up to daily shop use
- The four digit LED voltage screen, three LED indicators and the arrow keys enable easy and intuitive handling of the device

*A JIS Conversion table is located on the back of the device

F00E90025835E BAT 110 Battery Tester 12V System

A quick reference guide is located on the back of the unit for starting and charging system tests, as well as a JIS conversion chart.

The BAT 110 is designed for a variety of uses in the workshop. Perform numerous, reliable tests efficiently with the clear, easy-to-use navigation buttons.



BAT 131, BAT 151
Battery and Starting/Charging System Tester
Battery Tester

Testing batteries and starting/charging systems is fast and easy with the BAT 131 from Bosch

The BAT 131 is the benchmark in battery testing, and is designed for testing all types of 6V and 12V starter batteries, including lead-acid, gel and fleece batteries/ AGM. The rugged, exterior housing is specially designed to survive the harshest workshop conditions and molded perfectly for one-handed operation.

The load free test procedure provides fast, precise and reliable measurement results between 100 and 2000 CCA. In addition to CCA, the BAT 131 can also measure and display to CA, MCA, DIN, SAE, EN, IEC and JIS standards.



Essential Features:

- Easy to use menu
- Test batteries that are installed in or removed from the vehicle
- Optimized test algorithm for testing new batteries that are in stock or never been installed
- Extended test of the starting/charging system for 12 V and 24 V batteries
- Optional amp clamp upgrade for more extensive starting/charging system testing
- Integrated printer provides easy to read printouts and can be customized to display your shop's name, address, telephone and website
- USB port for transferring and storing of test results onto a computer
- Flexible platform allows for future upgrades

0684007327HH BAT 131 Battery System Tester

Complete System for Effective Diagnostics

The BAT 151 is a versatile, reliable and easy-to-use electrical diagnostic tool for today's modern automotive service center.



Essential Features

- Advanced battery testing
- Enhanced starter system testing
- Improved alternator diagnostics
- Cable drop verification testing

Expandable Electrical Diagnostic Platform

Dynamic Conductance Battery Testing Technology

- Combines direct temperature measurement with deep scan technology to improve accuracy and decisiveness
- Advanced preventative maintenance algorithms for identifying batteries as they approach end-of-life

Enhanced Starter Diagnostics Including Optional Amp Clamp

- Combines voltage drop with amps measurements to fully diagnose all parts of the the starting system
- Output includes current draw graph and voltage drop graph when using optional amp-clamp

Advanced Electrical System Diagnostics Featuring Digital Signal Processing

- Digital Signal Processing (DSP) provides the capability to digitize the measured alternator output voltage and evaluate the spectral content of the signal to provide a detailed and accurate analysis
- Provides the ability to analyze the amplitude level and frequency of the diode ripple pattern for improved accuracy and identification of open or shorted diodes and open phase conditions

Conductance Cable Verification Test

- Uses conductance technology to calculate the voltage drop across the positive (+) and negative (-) sides of any circuit and total circuit drop without running the engine
- Preset tests for battery ground, starter and alternator circuits, and user-defined test are available

F00E90006635E BAT 151 Base Kit

F00E90023535E BAT 151 Complete Kit

Numerical Index

OTC Numerical Index

3005....20
3070....18
3075....19
3075-01....19
3075-02....19
3075-03....19
3075-04....19
3075-06....19
3075-08....19
3076....18
3086....18
3095....20
3100DLX....26
3108N....15
3109N....15
3111-01....15
3111PRO....14
3112....15
3125....40
3130-01....40
3130-003....40
3130AGM....40
3131AGM....40
3135....40
3136....40
3167-01....38
3167-HD....38
3167....38
3168-HD....38
3168....38
3169....38
3169....38
3172....38
3172....38
3176....41
3177A....41
3180....39
3181....39
3182....39
3183....39
3184....39
3185....39
3200....36
3220....39
3220CD....39
3305-14....24
3305-14....25
3305-15....25
3305-17....24
3305-17....25
3305-17....25
3305-27....24
3305-48....25
3305-48....25
3305-48....25
3305-58....24
3305-65....24
3305-68....24
3305-71....24
3305-72....24
3305-73....24
3305-84....24
3305-124....25
3305-141....25
3306-47....25
3358....20
3363....21
3365....21
3367....21
3385....43
3386....41
3395....13
3398....13
3415....13
3417....19
3418....19
3421-04....24
3421-08....24
3421-41....25
3421-43....25
3421-44....24
3421-65....24
3421-67....24
3421-68....25
3421-70....23
3421-75....23
3421-76....25
3421-79....11
3421-80....25
3421-81....25
3421-88....24
3421-93....7
3421-93....22
3421-93....25
3421-94....23
3421-111....24
3421-149....11
3421-150....11
3421-151....11
3490....34
3491-01....34
3491-02....34
3491-03....34
3491-11....34
3491-12....34
3491-13....34
3492....34
3499N....14
3505A....34
3569....43
3579....43
3587....43
3589....43
3590....43
3596H-1....21
3596H-2....21
3596H-3....21
3596H-4....21
3596H-5....21
3596H-6....21
3596H-7....21
3596H-8....21
3596J....21
3596J-9....21
3596J-UPD....21
3630....42
3630-10....42
3631....42
3633....42
3633-10....42
3634....42
3636....42
3639....42
3640....40
3641....40
3642....42
3642-10....42
3643....35
3643-01....35
3643-21....35
3643-22....35
3643-23....35
3643-24....35
3643-25....35
3643-26....35
3643-27....35
3643-28....35
3643-29....35
3643-30....35
3643-31....35
3643-32....35
3643-33....35
3643-34....35
3643-35....35
3643-36....35
3643-37....35
3643-38....35
3643-39....35
3643-40....35
3643-41....35
3643-42....35
3643-43....35
3643-44....35
3643-45....35
3643-46....35
3643-47....35
3643-48....35
3643-50....35
3644....42
3650....43
3665....41
3673....39
3674....39
3774-01....23
3774-02....23
3774-03....23
3774-04....23
3774-05....23
3774-10....23
3774-17....23
3774-18....23
3774-19....23
3774-20....23
3774-34....23
3774-38....23
3780....23
3820-06....34

Numerical Index

3820-13.....34
3825-09.....22
3825-10.....22
3825-11.....22
3825-12.....7
3825-12.....22
3825-13.....22
3825-14.....22
3825-15.....22
3825-16.....7
3825-16.....22
3825-17.....7
3825-17.....22
3825-18.....7
3825-18.....22
3825-19.....7
3825-19.....22
3825-20.....22
3825-21.....22
3825-22.....22
3825-23.....22
3825-24.....7
3825-24.....22
3825-25.....7
3825-25.....22
3825-26.....22
3825-27.....22
3825-28.....7
3825-28.....22
3825-34.....22
3825-54.....34
3825-59.....7
3825-59.....22
3829 12
3829-01.....22
3829-700A 12
3833-4.....31
3833-5.....31
3833-7 31
3833-8.....31
3833-9.....31
3833-13 31
3833-14.....31
3833-15.....31
3833-16.....31
3833-17.....31
3833-18.....31
3833-24.....31
3833-25.....31
3833-80 31
3833B13 31
3833M13.....31
3834..... 11, 30
3834-01.....30
3834EZ 30
3834EZ-01 30
3834T.....30
3834UPD 30
3835.....30
3836.....30
3838.....28
3840-02.....34
3840-03.....34
3840-04.....34
3840-05.....34
3840F.....21
3857.....13
3874.....11
3874HD.....11
3874TPR 11
3875.....11
3880X 20
3893 9
3893-01.....23
3893-03.....23
3893-04.....23
3893-LTW.....9
3893MVCI 9
3895 7
3895-01.....22
3895-02.....22
3895-03.....22
3895-05.....22
3895-06.....22
3895-07.....22
3895-07.....23
3895-08 7
3895-08 9
3895-08.....22
3895-08.....23
3895-100.....22
3902.....43
3903.....43
3904.....43
3905.....43
3906.....43
3907.....32
3908.....32
3910.....32
3940.....32
3940-HD.....19
3980.....32
3990.....32
3991-10 32
3991-11 32
3991-12 32
6522 27
6522-1 27
6522-2.....27
6522-3.....27
6522-4.....27
6522-5.....27
6522-6.....27
6522-7.....27
6522-8.....27
6522-9.....27
6522-10.....27
6522-11.....27
6522-12.....27
6522-13.....27
6522-14.....27
6522-15.....27
6589.....43
212633.....24
212633.....24
212635.....24
212638.....24
212653.....24
213596.....24
213596.....24
216044.....25
238464.....24
239180.....24
OTC-700A 12

Bosch Numerical Index

3824..... 46, 47
3824-01.....47
3824-02.....47
3824-03.....47
3824-04.....47
3824-05.....47
3824-06.....47
3824BSC..... 46, 47
3893MVCI 8, 49
0684010050480.....55
06844007327HH.....57
169900012935E 51
F-00K-108-032.....53
F00E90006635E 57
F00E9001013CM.....55
F00E90023535E 57
F00E90025835E 56
F00E90029135E 54
F00E90034835E 54
F00E90034935E 54
F00E90035035E 54
F00E90035135E 54
F00E90035235E 54
F00E90035335E 54
F00E90035435E 54
F00E90035535E 54
F00E90036135E 54
F00E900362 54
F00E90036335E 54
F00E90036435E 54
F00E90036535E 54
F00E90036635E 54
F00E9003737HH.....56
F00E9009777HH.....52
F00E9016297HH.....50
F00E9016307HH.....50
F00E901631 ..... 48, 49
F00E901632 ..... 48, 49
F00K10832235E 51
F00K1085837HH.....53
F00K1085847HH.....53

BOSCH AUTOMOTIVE SERVICE SOLUTIONS INC.
28635 MOUND ROAD
WARREN, MI 48092 USA

TECH SERVICES
PHONE 800 533 6127
FAX 800 955 8329

CUSTOMER SERVICE
PHONE 800 533 6127
FAX 800 283 8665

www.otctools.com
www.boschdiagnostics.com

A11000 ELEC. © 2015 Bosch Automotive Service Solutions Inc.