C.A.S.

Diagnostic Scan Tools for the
Automotive Service Professional

Includes Specific Information on:

- Factory (OEM) Level Scan Tools
- Specialty Aftermarket Scanners
- General Purpose Scanners
- Heavy Duty Truck Scanners
- Reflashing Hardware and Software
- Automotive Lab Scopes
- Training and Support

Packages for Specific Customers:

- General Repair Shops
- Collision Repair Shops
- Fleet Maintenance Facilities
- State - County - City Garages
- Tire Stores
- Multi Location Operators
- Vocational Schools

OEM TOOLS®

2015 General Product Catalog

? Why buy your next scan tool from CAS ?
! Total Support is Why !

☑ **CAS Knowledge:** The only thing we do at CAS is offer scan tools, plus after sale service and support! With 20+ years of experience, our technical support knowledge base is strong. Access to this knowledge is priceless when one of our customers has application, coverage or procedural questions while performing diagnostics.

☑ **CAS Tech Support:** At CAS, our inside tech support and field tech reps typically respond to over 10,000 tech support calls a year! It's this level of after sale support that keeps CAS customers coming back year after year.

☑ **CAS On Site Service Call:** CAS Field Reps are available in many areas to offer the ultimate on-site service call. They will arrive at your shop with the appropriate OEM scan tools and the skill to perform many advanced services such as Air bag resets, ECU reprogramming and key coding. The cost for this service is typically lower then what the local franchised dealer will charge and the car stays with you.

☑ **CAS On Site Training:** Purchase any equipment from your local CAS Tech Rep and he'll be there upon delivery to provide on-site training for all your people to bring them up to speed in the proper operation of the shops diagnostic tools.

☑ **CAS Scan Tool Rental Program:** It is financially impractical to own every scan tool on the market but there are times when only a specific scan tool can complete a service job. At CAS, we offer an exclusive 'customers only' rental program that lets you tap into the 1/2 million dollar inventory of factory and specialty tools we have available.

☑ **CAS Service Loaners:** When your service bay operation depends on having functioning scan tools, it's nice to know CAS offers service loaners to all our customers. Under warranty or out of warranty makes no difference, we simply ship you a loaner and then bring your tool in for repair.. Your service bays are never down for long due to a failure of your scanner, laptop or software application.

☑ **CAS 'Live-On-Line' & 'Remote Rescue':** Many OEM and aftermarket scanners are laptop based. All of the CAS supplied laptops can be remotely accessed by our tech support group through the use of the CAS 'Live-on-Line'™ utility, included with every laptop application. Using your own PC? - Then CAS 'Remote Rescue' is for you!

? Why buy your next scan tool from CAS ?
! Total Support is Why !

☑ **CAS is a Dell and Panasonic Value Added Reseller:** With so many of today's scan tools being laptop based, doesn't it make sense to purchase from a company that can supply BOTH your laptop PC and your scanner application? One source means one contact if any issues arise. Scan tool hardware, laptop hardware or software, application questions...One call to your CAS technical support rep does it all!

☑ **SDRM Certification:** Today OEMs are mandating users to complete the **S**ecure **D**ata **R**elease **M**odel (SDRM) certification to obtain a **L**ock**s**mith **I.D.** number (LSID), before providing access codes to the immobilizer systems on many cars today. CAS is fully SDRM/LSID certified and provides assistance in the areas of key coding and immobilizer access to our customer base.

☑ **Subscription Renewal Notifications:** It's tough enough to run a service facility, school program, fleet maintenance garage or multi-outlet franchise without having to keep track of what tools are current and which ones are overdue for updating. Knowing that CAS will keep track of all your scan tool software subscriptions and remind you when they are coming up for renewal makes your job that much easier!

☑ **Balanced Billing Programs:** Many shops have multiple scanners today and with multiple scanners come multiple subscriptions to track and pay for when they expire. At CAS, we offer a 12 month 'TAS Balanced Billing' program. Shops are provided an annual chart on every scan tool's subscription term and cost. They then simply sign up for TAS Balanced Billing and are charged 1/12th of the total annual fee each month. Balanced Billing maintains control over cash flow.

☑ **Warranty Extensions**: All CAS customers who extend their TAS support package after the 1st year are also provided with hardware warranty extensions on all their scan tools. Warranty coverage service includes: Hardware (laptops, scanners, interface modules), software (Windows & scan tool software), service loaners and all shipping costs. The only non covered items are leads and batteries. TAS warranty extensions fix the total cost of ownership, all year, with no surprise repair bills.

☑ **100% Money Back Guarantee:** It's so simple, 100% money back guarantee on all purchases for any reason. Simply contact us within the 1st 30 days after delivery and ask….It's that simple !

GENERAL MOTORS

Tech-2/Candi - This is one of the most popular General Motors dealership scanners! This self contained scan tool provides OEM level coverage starting with the 1992 model year and continues up through 2013. In some truck series, it continues beyond 2013. Coverage does not include GM's Global 'A' vehicles. Adding the externally connected CANdi module enables the Tech-2 to communicate with GM's CAN protocol vehicles that started appearing in 2003. With the optional software subscription, 'SPS', you are enabled to re-program all modules (with limited exceptions) on 1992 and newer GM vehicles. A PC is required with appropriate interface ports for programming as well as updating the vehicle coverage on the Tech-2. Tired of not being able to do it all on GM?.....Move up to the OEM's factory scan tool and prosper!

GM MDI/GDS - This latest release GM factory interface tool begins its coverage in model year 2010. The MDI when combined with the Global Diagnostic System 2 (GDS2) software application allows servicing of GM's new Global Architecture Platform (Global A) vehicles. Model coverage starts with 2010 Buick LaCrosse, 2010 Cadillac SRX, 2010 Camaro, 2010 Equinox, 2011 Chevrolet Volt, 2011 Chevrolet Cruze, 2010 GMC Terrain and 2011 Buick Regal. All other 2010/11 vehicles are serviced with the Tech-2 package shown above. See our website for 2012-2015 MY coverages. The GM MDI, when coupled up with the software application 'GDS-2', allows your shop to be 'dealer level' capable on all the above listed GM cars. Scan, pull codes, graph data and have all the bi-directional controls available for all vehicle systems including Powertrain, Body, Chassis and Network. This tool will also allow you to re-program controllers provided you have internet access on the host laptop and a GM 'SPS' account. Ask us about a Tech-2 emulator program to run on the same PC.

Reprogramming and Security issues with GM vehicles - The incidence of reprogramming is very common with the GM line. To successfully reprogram a GM controller, one of the important parts of the process is maintaining the battery system voltage at a minimum level. This is typically done by using a 'Reflashing Power Supply', which provides a variable output current to maintain the system voltage during the key-on-engine-off phase of a re-flash. The use of conventional chargers and portable 'jump boxes' are not recommended and may cause module damage!

Security - Currently, GM does not require either SDRM or locksmith certification to access and service their vehicles immobilizer/security systems. Simply having the factory level tools enables this service level.

FORD MOTOR COMPANY

Integrated Diagnostic System - This is the current OEM tool for all Ford / Lincoln / Mercury dealers. Introduced to the Ford dealers service departments for model year 2005, the 'IDS' provides diagnostic coverage for all Ford vehicles from 1996 to current year. Our customized package includes the IDS VCM hardware and required cabling, plus the IDS application software and an internet based subscription of re-flashing calibration files and software updates for the IDS. All pre-installed into a Ford Certified new Dell Latitude Series laptop. The entire package is then packaged into a custom blow molded case with custom cut foam cushioning for the laptop and IDS hardware and cabling.

Ford Medium Duty Truck - Obtaining factory level coverage for the Ford F-650 and F-750 series involves the IDS package described above plus additional hardware and software programs. If you want to be able to fully service these types of medium duty vehicles, we can configure the required package of interface devices and software applications. Typically the body and chassis electronics are accessed and serviced with the IDS package, however engine and transmission access will require additional interface adapters and OEM software applications to be loaded for full vehicle serviceability.

At CAS we can customize a 'Turnkey Package' that will give you full OEM level capabilities for these vehicle types.

Reprogramming and Security issues with Ford vehicles - The need for reprogramming is fairly common with the Ford line of vehicles. Additionally, a reprogramming process using 'As Built Data' to restore a controller to 'Factory original' status can be performed with the Ford IDS package. Whether you are doing a 'conventional' Reflashing or using 'As Built' data, one of the important parts of the process is maintaining the battery system voltage at a minimum level. This is typically done by connecting a 'Reflashing Power Supply' to the vehicles battery.

Ford IDS for programming and keys

Security - Ford has a number of different security/key coding strategies. Presently, Ford is implementing the need for LSID certification to access and service certain vehicles immobilizer/security systems. Call CAS for additional details.

CHRYSLER / DODGE / JEEP

DRBIII-StarScan-StarMobile-WiPod-WiTech -

There is probably no OEM tool line up that has seen more changes than the Chrysler's OEM tooling over the last 10 years. The original OEM tools for years were the *DRB-III* and the *'Co-Pilot'* (used for on-road snapshots). These tools were not CAN capable. In 2003 Chrysler developed the *'StarScan'* dedicated handheld device and the *'StarMobile'* interface used with the laptop based StarMobile *'Desk Top Client'* software. By 2009, Chrysler had decided to discontinue the StarScan device in favor of another laptop interface device, the *'WiPod'*. The latest laptop based diagnostic software, the *'WiTech Diagnostic Application'* is used with either the WiPod or MicroPod interface device.

DRB-III serviced all non-CAN Chrysler vehicles from the early 1990's through Model Year 2007

The Original DRB-III

Wi-Tech Diagnostic Application was designed to work with either the StarMobile interface device, WiPod interface device or the MicroPod interface. The application covers all Chrysler CAN vehicles from 2004 to current model year.

A DRB-III Emulator program is available to replace the no longer produced DRB-III scan tool.

DRB-III
Emulator

A PC Based DRB-III

Reprogramming and Security issues with Chrysler - The need to reprogram is fairly common with the Chrysler line of vehicles. When you are doing a re-flash on any Chrysler vehicle, one of the important parts of the process is maintaining the battery system voltage at a minimum level. This is typically done by connecting a 'Reflashing Power Supply' to the vehicle battery prior to starting.

Security - Whether doing a re-flash, changing a defective ECM or adding a key to a Chrysler vehicle, quite often there is the need for a security code number or 'SKIM' code. Discuss retrieving SKIM codes with your CAS Automotive Consultant prior to purchasing any Chrysler OEM tools!

HONDA / ACURA

MVCI/HDS - Both Honda and Acura use the same PC based scanner in their dealerships. With a Modular Vehicle Communication Interface (MVCI) device and the Honda Diagnostic System program (HDS) installed on the properly configured laptop, any aftermarket shop can achieve dealer level diagnostic capabilities. One of the more unusual features of the MVCI/HDS package is the fact that all calibration files for re-flashing are downloaded into the MVCI device. This arrangement eliminates the need for having internet access during a typical re-flashing procedure. At CAS, we have sold, installed and currently support hundreds of these dealer level tools!

GNA-600 interface versus the MVCI interface device - Honda has transitioned from the GNA-600 interface device to the MVCI interface. The newer MVCI does add some additional capabilities, such as integrated calibration files on the MVCI, (see above article) but it also presents issues to current owners of the GNA-600. Additionally, Honda has 'tightened up' on the immobilizer side of their application. In the final release of HDS software to GNA-600 users, the immobilizer capability was removed. Honda now has two separate HDS programs, one with no immobilizer and another 'locksmith' level version. Current GNA-600 users can migrate over to the MVCI with CAS and also have the immobilizer function reinstated. If you are a current GNA-600 user, call us or ask your local CAS Automotive Consultant for further details on your options for staying current.

Reprogramming and Security issues with Honda/Acura vehicles - The reprogramming activity for these car lines are typically limited to the PCM/TCM and Battery Control Module. When you are doing a re-flash on any of these vehicles, due to the typically small battery size, it is imperative that a 'Reflashing Power Supply' is connected to the vehicle battery prior to starting the process.

Security - Honda and Acura incorporate the use of both *'IN'* codes and *'PIN'* codes when accessing the immobilizer system. Adding keys, changing an ECM or troubleshooting almost any immobilizer system cannot be done with out access to these codes. A locksmith license is required for shops to retrieve codes on their own. If a shop does not have the locksmith certification, CAS can assist shops at no charge when they are covered under our *TAS Program*®.

TOYOTA / LEXUS

TechStream Lite - This is the current OEM offered solution for any shop wanting dealer level diagnostics for Toyota/Lexus and Scion vehicles. Starting with model year 1996, this laptop based OEM tool gives one the full dealer level diagnostics and reprogramming capabilities. Our customized package includes one of two optional J-2534 interface devices and required interface cabling, plus the *TechStream Lite* software application. The TechStream Lite application comes with one year subscription that includes both re-flashing calibration files and updates. All pre-installed into a new Dell Latitude Series or Panasonic ToughBook Series laptop. The entire package is then packaged into a custom designed storage/transport case to house the laptop, J-2534 interface hardware and associated cabling.

J-2534 Interface Device options - Toyota's *TechStream Lite* re-

quires one of two available J-2534 interface devices to correctly establish and maintain solid communications between the vehicle and the laptop application. A dedicated 'Mongoose' cable will work perfectly and provide excellent communications at a low price. While the slightly more expensive 'CarDAQ-M' interface device not only provides the same level of solid communications, but also allows for the ability to re-flash a number of other car lines. Please note, there are some earlier generation J-2534 devices that will also work well with the TechStream application.

Feel free to call CAS or ask your local CAS Automotive Consultant for further details on your options to which J-2534 interface device is best for your busi-ness situation.

Reprogramming and Security issues with Toyota vehicles - The

incidence of reprogramming is typically limited to the PCM/TCM on these cars. Typically, a TSB provides the reason for a calibration update. The same TSB will then provide the 'link' to the appropriate calibration file. It's no surprise that Toyota advises one to connect a 'Reflashing Power Supply' prior to starting the re-flash procedure.

Security - Toyota and Lexus limit access to the security side of their vehicles to the dealer network, registered locksmiths and certified shops. Adding keys, changing ECMs or troubleshooting almost any immobilizer system cannot be done with out this level of access. If your shop does not have locksmith certification, CAS can provide assistance when you are covered under our *CAS 'Total Annual Support' Program*®.

NISSAN / INFINITY

Consult-III Plus is the latest version OEM tool for servicing the Nissan/Infinity car lines. This tool has very strict hardware requirements in that it is only available on a Nissan 'Custom Model' Panasonic brand Toughbook. The OEM application will not load to any other model PC, so all Consult-III Plus packages are only offered as 'Turnkey Packages' which include the 'Nissan' Toughbook. Updates are typically being released every 90 days, to keep the tool up to date. Calibration files are purchased on an as-needed basis. Call us for further details, we speak fluent 'scan-tool'.

Security and Access Codes - Nissan limits the access to the security side of their vehicles to their dealer network, registered locksmiths and SDRM certified shops. Even when a shop owns the Consult-III Plus OEM package, there is still a need for 'PIN' codes when servicing the security systems. If your shop does not have locksmith certification, having these codes made available to you is the difference between finishing the job and towing the vehicle to the local dealership. Speak with your CAS rep about the steps required for gaining access to this information.

CAS *T.A.S.* - The Consult III Plus, like all scan tools offered by CAS, is covered under our industry changing ***Total Annual Support Program***®. No Charge Service Loaners, Technical Support, Subscription Reminder Notices, Balanced Billing option for software renewals, hardware warranty extensions, SDRM support and a 100% Money back guarantee are all part of our ***T.A.S. Program!***

Reprogramming issues with Nissan/Infinity - The need for reprogramming is typically limited to the PCM/TCM on these car lines. Usually, a TSB or Recall Notice provides the reason for a needed Reflash. Nissan's current strategy is to charge a 'calibration fee' whenever a calibration file is required for a vehicle service. The Consult-III+ OEM tool does not include calibration files. Please note, that in all cases of reprogramming on Nissan vehicles, a Reflashing Power Supply is considered a necessary tool to have.
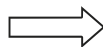
HYUNDAI / KIA

G.I.T.'s G-Scan Tool

This is also an excellent Asian + Domestic Scan Tool !

G-Scan - Both Hyundai and Kia dealerships use virtually identical PC based platforms with their own 'GDS' software applications to service their vehicles. This duplication of tooling presents a cost challenge to the aftermarket shop. The G-Scan addresses this issue. Built by G.I.T., the company that builds the Hyundai/Kia OE tooling, the G-Scan has the identical scan tool capabilities of both the Hyundai GDS and the KIA GDS applications at less then 1/2 the cost. As an added bonus the G-Scan also provides excellent scan functions on a number of other Asian car lines, European car lines and even domestic lines. Updates are typically being released every 90 days, so this tool is always up to date. Call us for further details as we speak fluent 'scan-tool'.

Security and Access Codes - Hyundai and Kia limit the access to the security side of their vehicles to their dealer network, registered locksmiths and SDRM certified shops. Additionally, there are 'variant' codes required when resetting the SRS in these vehicles. CAS, in conjunction with support from GIT America, can provide our customers with many of the required access codes. If your shop does not have their locksmith certification, having these codes made available to you is the difference between finishing the job and sending it out to the local dealership. CAS provides assistance in accessing information for all our customers when they are covered under our ***Total Annual Support Program***®.

CAS T.A.S. - The G-Scan, like all scan tools offered by CAS is covered under our industry changing ***Total Annual Support Program***®. No Charge Service Loaners, Technical Support, Subscription Reminder Notices, Balanced Billing option for software renewals, LSID support and a 100% Money back guarantee are all part of our ***T.A.S. Program!***

Reprogramming issues with Hyundai and Kia - The incident of reprogramming is typically limited to the PCM/TCM on these car lines. Normally, a TSB or recall notice provides the reason for a needed reflash. Hyundai and Kia, like most other OEMs, charge an 'access fee' for gaining access to any calibration files. This fee is a one time, one file access fee. With a properly configured laptop, the correct J-2534 interface device and an authorized account set up on these OEM's web sites; any aftermarket shop will be able to reprogram. As with all other OEMs, when doing a re-flash on any of these vehicles, a 'Reflashing Power Supply' connected to the vehicle battery prior to starting the calibration file download is strongly encouraged.

SAAB / VOLVO / VW-AUDI

SAAB Tech-2 - SAAB dealers in the U.S. use this tool to service all SAAB vehicles from 1988 right up through the 2011 model year. Coverage is achieved by purchasing two separate SAAB Kits. The 'Early' SAAB kit has a 10MB PCMCIA card while the 'Late' kit includes a 32 MB PCMCIA card. Engine, Transmission, ABS, Airbags as well as every Body function can be accessed with this tool. From accessing trouble codes to resetting the convertible tops, this tool lets you do it all. There is simply no other way to profitably service the SAAB line.

GM Tech-2 - Current owners of the GM Tech-2 can order two 'kits' to convert their *GM Tech-2* to a *SAAB Tech-2*. Speak with your CAS rep to review the differences between the 'early' Saab kit and the 'Late' Saab Kit. We offer both!

VOLVO 'DICE' - This OEM has a dedicated interface device named the Volvo 'DICE'. When coupled up with Volvo's VIDA software subscription application and a properly configured laptop, the aftermarket shop is fully enabled to service the Volvo line of vehicles. Volvo's VIDA subscription can include vehicle model year updates for the application, calibration files and service information. Shops are cautioned that setting up DICE/VIDA is very labor intensive and requires the PC being used to have very exacting specs. Failure to meet Volvo's specs will cause the application to not install. Additionally, shops are advised this OEM's subscription is one of the higher priced per year to maintain. CAS offers this OEM application as well as some lower cost alternative solutions for any aftermarket shop. Call us to discuss ways to address the Volvo car line!

Volkswagen / Audi - In almost every case we find nothing is better than the factory tool for the service of individual car lines. However, VW-Audi is one of the few exceptions where we feel this might be a better solution. The VCDS laptop application has more than the actual factory tool in some circumstances and it is often found being used by the technicians at both VW and Audi dealerships! Designed and supported by the Ross Tech company, our experience in deploying this VW/Audi application has been excellent. The VCDS is the least expensive application we offer, yet it provides unmatched capabilities for the end user. In the land of VW/Audi, 'adaptation resets' and 'coding' are the terms for setting up ECUs. VCDS allows the operator to perform these functions with no required subscription. Talk with your CAS rep for additional details!
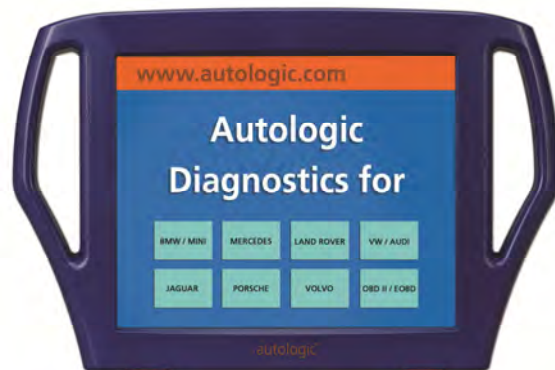
European Specialty Scan Tools

iScan-IIwt for European and Asian

iScan-IIwt - When searching for a multi-line European scan tool, it is often difficult to find one tool that works well across multiple car lines. The Autoland iScan-IIwt does meet the standard! Besides covering all the major Euro lines including Mercedes Benz, BWM, Porsche and VW-Audi, the 'WT' also provides excellent coverage for virtually all Asian car lines. Also found in this tool are extensive domestic coverages and some common medium duty truck lines. One special mention on BMW: This is one of only a very few aftermarket tools that allows the shop to re-program a number of BMW controllers! With a color screen, dual processors and well written programming, this tool is very fast in its navigation of a vehicle. Visit our web site or call us for additional details on this tool's coverage.

Autologic - This tool is considered by many to be the ultimate European scan tool. You custom order this tool for the individual lines you wish to service. Choose from BMW, Mercedes Benz, VW/Audi, Porsche, Volvo, Jaguar and Land Rover. In all cases, the tool allows for total access to the vehicle and generally includes everything necessary for advanced functions such as reprogramming modules. Program calibration files are requested and down loaded from the Autologic site, thus eliminating the need to pay the OEM a calibration subscription fee when doing a Reflash. Users can add car lines at a later date if they find their business needs changing or growing. The Autologic tool also comes with on-car technical support direct from the supplier. Contact CAS to arrange an in-shop demonstration!

AutoLogic for European Car Lines

Vedis-II - This is a second offering from Autoland Scientech. With an under $3,500 price offering, the Vedis-II may be the best value for your dollar when purchasing an advanced function European Specialty scan tool. Coverage on the Vedis-II is nearly identical to the Autoland iScan-IIwt but without the ability to reprogram. However, coding of modules can be accomplished with this tool. European, Asian and Domestic car lines are all present in this tool with a total of 40 separate car lines included. Updates are done online by the end user and an annual subscription is included with each new Vedis-II.

General Purpose Scan Tools

General Purpose Scanners - Most shops have, or should have, a general purpose scan tool. Whether you choose a high priced aftermarket scanner or a more cost effective lower priced unit, it makes sense to own one. At CAS, we offer a number of general purpose scanners, both laptop based and dedicated hand held style for both **Automotive** and **Heavy Duty Truck** application. Regardless of what others may say, sometimes the right aftermarket scanner is all that's needed to complete a service job. Ask us about the various general use scan tools we offer….It may be all you need!
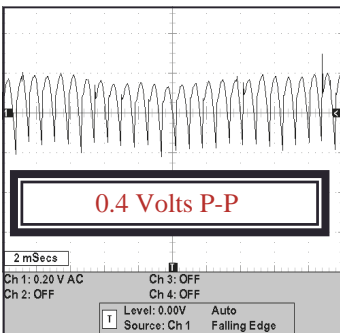
J-2534 Reprogramming

J-2534 - Mandated by the Federal government and defined by the Society of Automotive Engineers, J-2534-1 protocols were enacted and created to allow the independent aftermarket repair shop to reprogram when an emission related issue was present! J-2534-1 is now migrated to J-2534-II which allows for programming beyond powertrain related issues. This option may make sense for some shops depending on their current scan tools. See your CAS rep for details on what functions J-2534 allows and doesn't allow. We do offer J-2534 solutions as a stand alone interface device and as a 'Turn Key' package!

OEM Web site	Configured PC	J-2534 Device	Subject Vehicle	Power Supply

? Why A Reflashing Power Supply ?

0.4 Volts P-P

2 mSecs

Ch 1: 0.20 V AC   Ch 3: OFF
Ch 2: OFF   Ch 4: OFF

Level: 0.00V   Auto
Source: Ch 1   Falling Edge

Electrical system noise when running

As shown in the scope capture, most processors never see a lot of electrical 'noise' or 'spikes' when the vehicle is running. The vehicle's charging system in conjunction with the battery keep the value of those 'spikes' in the neighborhood of under 1/2 volt. Thus preventing damage to any ECU's. During a reflash procedure, the charging system is inoperative as the engine is in the key-on/engine off mode. So, an external charging source is required to maintain sufficient system voltage. Jump boxes, although they provide a very clean source of power, have a habit of running out of power during the process. Conventional chargers will provide the power, but are inherently noisy and fill the system with 'spikes'. A Reflashing Power Supply provides the best of both worlds: Clean power for an extended period allowing the flash to successfully finish!

Automotive Oscilloscopes

Hand Held Automotive Scopes - With the ever increasing amount of electronics, sensors and networks on todays vehicles; the need for an automotive oscilloscope is becoming more and more of a necessity. CAS offers a number of different style 'scopes' with varying capabilities and price points. The CA-15 shown to the left is a self contained scope that also includes a number of multimeter functions. Quick to power up, easy to set up and built for the shop environment, this scope/meter may be a good solution for any shop or school looking to add scope capabilities without 'breaking the bank'….Call us for more details or visit us online.

The 'CA-15' ScopeMeter

Laptop Based Scopes - With a growing number of shops already using laptops in the bays to run OEM apps, it may make sense to leverage this existing PC hardware and add a laptop based 'PICO' brand lab scope. The PICO brand is considered by many to be the 'ultimate' in automotive lab scopes. Available through CAS, in either two trace or four trace configurations, with or without a complete lead kit. There is a 'PICO Scope' kit available to meet any shops needs. We offer 'PICO Scope' kits as an 'Add On' package or as a 'Turn Key' package preloaded and delivered on a Dell or Panasonic Toughbook...Call us to discuss your scope needs!

PICO's 4425 Advanced Scope Kit

Integrated Scope and Scanner: The *EasyScan Plus* tool provides the user with a true **Dual Trace Automotive Oscilloscope**! Use it with the presets for quick and easy configuration set-ups or individually select the inputs and settings that best suit your diagnostic situation! Besides providing a great dual-trace scope, this laptop based tool also has a number of graphing multi-meter functions including Volts-Ohm-Amps. The included accessory kit has multiple probes, connectors and amp clamps for even the most advanced diagnostic testing requirements….Plus it's a scanner! So scope it, scan it, measure it, graph it and fix it all with the *EasyScan Plus*!

Dual Trace Scope Inputs

'EasyScan Plus'
It's a Dual Trace Scope

Tire Pressure Monitor Tools

Tire Pressure Monitoring System Tools - Although not a scan tool in one sense, a TPMS tool is quite often used in conjunction with the shop's scanner to service TPMS systems. At CAS, we offer the Bartec brand of TPMS tools. However, unlike most 'TPMS Specialists' selling these tools, we actually know how to use them and provide training on the tools operation. TPMS tools require software subscriptions to keep the tools up to date and subscription renewals on an annual basis. At CAS, we sell TPMS tools while providing training and service support for your TPMS tool. Plus, we keep track of your subscription and remind when your tool is due for an update!

Bartec's 400SD TPMS Kit

All the technology in the world does you no good

if you can't get assistance when things go wrong! At CAS, we take After Sales Support seriously and understand that every shop owner, fleet manager and vocational instructor can't operate when their scan tools are not working! Hardware failures, software failures, expired subscriptions or simply not being able to find a replacement part. Problems such as these all mean lost time, lost revenue and possibly lost customers! The most important product we offer is **Support**; Online, in person and over the phone! Our T.A.S. Program is unmatched in the automotive industry. Our field reps are extremely knowledgeable about the products and our in house support consistently ranks as outstanding in every survey!

CAS Field Reps and Inside Tech Support Group

Integrated Scope and Scanner: As a **Scan Tool**, the *'EasyScan Plus'* is a laptop based tool that provides the user with an easy to use, general purpose scan tool. Read codes, clear codes, data stream and activations/bi-directional controls are all part of this talented tool's capabilities. The *EasyScan* connects to the host laptop through a rock solid integrated Bluetooth connection. This B/T feature eliminates the need of having cables running from the DLC out the car's window to the PC! Especially useful is the option to display both scope & scanner at once in a 'split screen' mode during troubleshooting!

'EasyScan Plus'
It's a Multi-line Scan Tool

'EasyScan Plus' interface device has an integrated scope/multimeter screen for quick checks!

Heavy Duty OEM Applications

International - Every Navistar (International) Dealer worldwide uses these tools to service all electronically controlled Navistar vehicles. Separate software applications such as 'ServiceMaxx', 'DLB' and 'IPC' are part of the complete International package. Installing these products offers Engine, Body & ABS service coverage for these vehicles. These OEM applications allow techs to perform 'Output Tests' along with the ability to set Customer Configurable Options. Diagnostic service information is not included with this product though it is available as a separate purchase. This product requires a suitably configured PC and an interface device. As a Dell and Panasonic reseller, CAS can provide a service facility with a 'Turnkey International' package. Please contact your CAS rep for assistance in determining which products are appropriate for your needs.

Allison - CAS offers this software in multiple configurations based upon your service situation. If you only need coverage for smaller vehicles using the 1000 & 2000 series transmissions, or larger vehicles using the 3000 and 4000 series transmission, we can help. We also offer Allison software covering all electronic On-Highway transmissions. These OEM products allow for Output Tests (when supported by the module) and the ability to set 'Customer Configurable Options'. This product also includes diagnostic service information for Allison electronically controlled transmissions. As with all Heavy Duty Truck applications, there is a need for a suitably configured laptop and an appropriate interface device to make use of this OEM application. CAS offers these OEM applications as well interface devices and laptop packages which can be configured to run multiple HD applications. Please contact your CAS rep for assistance in determining which product combination is appropriate for your facility.

Cummins Insite - Every Cummins dealer worldwide uses this PC based OEM application to service Cummins and Onan electronically controlled engines. This OEM product allows for Engine Output Tests along with the ability to set Customer Configurable Options. This product also includes diagnostic service information for Cummins Engines. CAS offers this OEM application as well as some alternative diagnostic solutions for any shop. (This product is not compatible with the Cummins engines used in Dodge/RAM trucks.) Along with a suitable laptop and the Insite software application, you will also need an interface device to connect between vehicle and laptop. Please contact your CAS rep for assistance in determining which product is appropriate for your needs.

Heavy Duty OEM Applications

Volvo/Mack Premium Tech Tool- Every Volvo & Mack dealer worldwide uses this diagnostic application to service all electronically controlled Volvo & Mack vehicles.

This OEM product covers Engine & Body systems. (This product is also used for Prevost Bus, and UD vehicles from 2011-2103.) As the OEM product, it allows technicians to run Output Tests and gives one the ability to set Customer Configurable Options. Diagnostic service information is not included with this product.

CAS also offers a number of alternative diagnostic solutions for any shop. These can include general purpose heavy duty scan tools that are either laptop based or handheld, at a number of price points. Please contact your CAS Rep for assistance in determining which products are appropriate for your needs.

Volvo / Mack Truck

Detroit Diesel Diagnostic Link DDDL - Every Detroit Diesel dealer worldwide uses this tool to service all electronically controlled Detroit Diesel engines. The current version of DDDL now also covers the new DD-12 transmission along with the Mercedes 900 & 4000 engines. As an OEM application, this product allows the technician to make changes to 'Customer Configurable Options' such as Maximum Road Speed. It also allows engine output tests and DPF Regeneration, along with resetting the Ash Accumulator. Important to note; the DDL application also includes Diagnostic Service Information. As with all Heavy Duty Truck applications, there is a need for a suitably configured laptop and an appropriate interface device to make use of this OEM application. CAS offers these OEM applications as well interface devices and laptop packages, which can be configured to run multiple HD applications. CAS also offers some alternative diagnostic solutions for most shop service needs. Please contact your CAS rep for assistance in determining which products are appropriate for your needs.

Heavy Duty Laptop Platforms

As both a **Dell** and a **Panasonic** 'Value Added Reseller' (VAR), CAS is well prepared to address your diagnostic laptop needs. We also offer Ruggedized & Semi-ruggedized laptops for use in more harsh environments. CAS specs and configures our laptops to be able to run all OEM car & truck software without conflicts. We also provide after the sale warranty and non-warranty repairs to these laptops. Having one source for both the purchase and service on your automotive application laptops means less stress for you.

Panasonic's Fully Rugged CF-31

Panasonic's Semi-Rugged CF-53

General Purpose HD Truck Scanners

Commercial Vehicle Diagnostics - Even if you have the HD OEM apps, every HD shop should have a general purpose diagnostic tool which will allow communication with all modules in all HD vehicles. Since today's vehicles communicate using multiple protocols and networks, it is imperative for the technician to be able to quickly determine if the vehicle has network communication issues. A seemingly unrelated area of the vehicle may be the root of the concern. Not knowing these things can easily lead to wasted time and needless expense due to throwing parts at the problem vehicle. Our HD software applications communicate with all modules using the J-1708 & J-1939 network busses. CAS also offers service information covering from Class 4 through Class 8 vehicles. Please contact your CAS rep for assistance in determining which products fit your needs.

GM - Ford and other Medium Duty Applications:

Obtaining all the software and hardware devices for any shop servicing medium duty applications can be especially perplexing. Passenger cars, light trucks or vans typically have all electronic systems handled by one tool. However, medium duty vehicles typically have multiple systems from various manufacturers. International engine electronics, Allison transmission controllers, a separate body electronics package and a Meritor WABCO braking system can all be found on one medium duty vehicle. The moral of the story here is: These types of vehicles typically call for a multi-tool approach if a shop wants to have full service capability. At CAS we are very well versed on configuring the correct software applications with the proper adapters. The final package can then be loaded into a correctly configured laptop and shipped to the end user. Call us for assistance in configuring the right tools for the vehicles in your fleet.

Interface Devices for Heavy Duty Truck Applications:

Shop owners should be aware that there are a number of interface devices available to allow communications between the truck electronics and the laptop. Virtually every OEM has their own proprietary adapter, plus there are a number of aftermarket interface adapters available. In some situations, the best choice of an interface adapter is not always the OEM's device. In other cases, the OEM interface is the way to go. Certain aftermarket interface adapters work perfectly well with multiple HD OEM applications. Choosing the right aftermarket adapter can save a shop significant dollars when gearing up to scan Medium and Heavy Duty vehicles. At CAS, we carry a number of HD truck interface adapters and can make recommendations for each shop based on the vehicles you need to service.

Mobile Diagnostic Work Station

A New Generation Diagnostic Work Station…that is designed to work with the new generation of diagnostic scan tools! This portable 'flash cart' addresses a number of needs for to-day's diagnostic professionals. Large **locking casters** allow for portability to roll the cart up to a vehicle; while the **plastic coated side bars** avoid doing any damage to the cars finish. An **AC power distribution strip** on the back to allow for powering a laptop, printer, docking station and various other AC powered devices. A separate **lockable upper drawer** can either house a full size keyboard or be used to secure your laptop PC when not in use. **Twin locking lower drawers** provide storage for multiple scan tool interface devices and associated cables. A **lower platform,** which has a protective rubber mat provides the ideal area for mounting either a full size printer or a laptop docking / charging station. The optional **Monitor Mounting Bracket** provides for the option of mounting a larger LCD display. Larger Monitors provide for a better viewing experience in group sessions or for techs to view scan tool data from in the car.

As a Rolling Laptop Platform

Monitor Mount w/Keyboard

Wirelessly Connect to DLC

Standard Monitor

Panasonic CF-31

Use your current laptop or purchase one from CAS!

Panasonic CF-19

We offer Fully Rugged, Semi-Rugged and Shop Use PCs!

Panasonic CF-53

Our Mission Statement

"To provide only the best quality tools, information and training to the automotive repair professional through a network of highly qualified automotive consultants. To ultimately provide assistance to repair facilities in helping each shop and individual customer achieve both their own personal & professional goals."

Company History

Started in 1995 in Southeastern Massachusetts, 'CAS' was founded to provide diagnostic tools, management solutions and information systems to automotive repair facilities. Today, CAS provides multiple 'Dealer Level' diagnostic scanners, laptop platforms, ignition analyzers, reprogramming hardware and training classes to thousands of auto repair facilities both in and out of the New England area. Our extensive product lines include offerings from Autoland Scientech, Autologic, Dell Computers, Bartec, Bosch, Hickok/Waekon, Noregon, Midtronics, PICO Technologies, GIT America, Hanatech, Ross-Tech, SPX/OTC and others. Our Automotive Consultants have over 300 years combined industry experience of providing assistance in selecting the correct tools, providing technical training, on-site and on-line support and training.

Offering Sales, Service and Training To the Automotive Aftermarket