



EMPOWERING AUTOMOTIVE REPAIR



THE POWER OF DIAGNOSTICS

THE POWER OF ACTRON



Actron's® world-class leadership in R&D, engineering and product design

continues to bring you the products your customers need – diagnostic tools, timing lights, mechanical and electronic testers and specialty tools. Actron is working hard to make your sales future bright.

Actron is now part of SPX Corporation, a leading global supplier of tools and equipment for the OEM vehicle manufacturer and the professional technician, assuring that every product in the Actron family is backed by the power of a complete support program. From award-winning marketing programs and consumer-friendly packaging to eye-catching point-of-sales materials and comprehensive print and online advertising campaigns, America's most preferred line of diagnostic tools attracts a range of consumers, which in turn generates more sales for you. Along with offering tools for every need, Actron offers an ASE-certified Technical Service Hot line to help keep your customers happy.

If you're ready to move more product, then you're ready to discover the power of the Actron brand – a brand that consumers trust and ask for by name.

Visit us at [www.actron.com](http://www.actron.com) or call 800-228-7667 for more information.

## THE POWER OF DIAGNOSTICS

## THE POWER OF ACTRON



### DIAGNOSTICS

New products	pages	4-7
Scan tools	pages	8-12
Code readers	pages	13-14
Code scanners	page	15
Scan tables	pages	16-17
Scan accessories	pages	18-19
Diagnostic glossary	pages	39

### TEST AND TUNE

Multimeters	pages	20-23
Testers	page	24
Battery testers	page	25
Timing lights	pages	26-27
Circuit testers	page	28
Test leads	page	28
Starter switches	page	29

### MECHANICAL TESTERS

Compression	pages	30-31
Fuel pressure	pages	32-33
Vacuum and brake	pages	34-35

### SPECIALTY TOOLS

Radio and antenna	page	36
Interior, fuel and oil line	page	37
Replacement	page	38

### TrueLink™ Technology



Every Actron scan tool and code reader incorporates CAN and the patented TrueLink Technology which guarantees the tool will link to and communicate with every OBD II compliant (1996 and newer) vehicle assuring the user of fast and accurate diagnostic output - the key ingredient to an effective repair.



## ABS BRAKESCAN®

Coverage chart on pages 6 and 7

CP9449 - Anti-Lock Brake warning light code reader for GM • Ford • Chrysler

### INTRODUCING THE ACTRON ABS BRAKESCAN, AN INNOVATIVE AND AFFORDABLE SOLUTION TO BRAKE REPAIRS.



ABS modules have been installed on most passenger cars and light trucks produced since 1996 (coverage chart on pages 6 and 7). BrakeScan helps identify what parts are required to fix ABS-related problems.

#### FEATURES

##### Systems Diagnosed:

- Wheel Speed Sensors
- ABS Solenoids
- The Brake Control Module
- Vehicle Speed Sensors
- ABS Pump Motor
- Brake Switch
- And more ...

##### Software Features:

- Understand why the brake warning light (ABS) is on
- Reads and displays ABS trouble codes and the definitions
- Updateable online
- ABS code Library feature on tool
- Retains most recent vehicle scan
- Help Screens

##### Hardware Features:

- Easy to read backlit display
- Optional Battery Power for saving data (battery power not required to use tool)
- Detachable cable
- Storage Case

## SPECIFICATIONS

	Qty	Weight	Dimensions	Barcode/UPC
CP9449 CASE PACK	2	4.875 lbs	13"H 10"W 8.75"D	20021467851169
CP9449 UNIT	1	2.125 lbs	10.5"H 11.25"W 4.75"D	021467851165



## NEW PRODUCTS

### OBD II POCKETSCAN® PLUS

CP9410 - OBD II and CAN code reader with urgency indicator

Patent No. Des. 6,701,233  
Patent No. Des. 6,928,349

#### THE OBD II POCKETSCAN PLUS NOW HAS URGENCY INDICATORS.



**Urgent** - Immediate repair must be done to prevent further damage.



**Caution** - Get to a repair shop within two days so no further damage will be done to vehicle.



**Attention** - Repair within a few days (five days maximum).



**OK** - No trouble codes present.

In addition to the emissions and MIL status features, PocketScan Plus offers access to dynamic web support information including common components, possible symptoms, and common causes related to trouble codes.

#### FEATURES

- An indicator on the screen points to the urgency level of the specific code
- Keep product up-to-date via the USB port
- Auto-Link (automatically links to vehicle computer when connected to vehicle port)
- Backlit display – easy to read anywhere
- Saves data: Optional Battery feature allows user to retain & review the information
- Reads, displays and erases Diagnostic Trouble Codes
- OBD II and CAN compatible with ALL 1996 and newer vehicles.  
Also works on '94 and '95 OBD II compliant vehicles
- Summary Screen displays number of codes found
- Displays emissions and MIL (check engine light) status
- Bi-lingual (English, Spanish) manual for quick reference

## SPECIFICATIONS

	Qty	Weight	Dimensions	Barcode/UPC
CP9410 Case Pack	4	3.36 lbs	11"H 8.25"W 6.63"D	20021467851152
CP9410 Unit	1	13.1 oz	10.1"H 6.3"W 2.7"D	021467851158



# ABS COVERAGE CHART

## Chrysler Vehicle Coverage

Min Year	Max Year	Mfg	Make	Model	Min Year	Max Year	Mfg	Make	Model
2005	2005	Chrysler	Chrysler	300C	2005	2005	Chrysler	Dodge	Magnum
1999	2004	Chrysler	Chrysler	300M	2000	2005	Chrysler	Dodge	Neon
1998	2004	Chrysler	Chrysler	Concorde	2002	2005	Chrysler	Dodge	Ram 1500
1998	2001	Chrysler	Chrysler	LHS	2003	2005	Chrysler	Dodge	Ram 2500 and 3500
2001	2004	Chrysler	Chrysler	PT Cruiser	2004	2005	Chrysler	Dodge	Ram SRT-10
2001	2004	Chrysler	Chrysler	Sebring	2003	2005	Chrysler	Dodge	SRT-4
2001	2004	Chrysler	Chrysler	Town & Country	2001	2004	Chrysler	Dodge	Stratus Sedan
2001	2003	Chrysler	Chrysler	Voyager	2001	2005	Chrysler	Dodge	Viper
2001	2004	Chrysler	Dodge	Caravan	1999	2005	Chrysler	Jeep	Grand Cherokee
2001	2005	Chrysler	Dodge	Dakota and Durango	2002	2004	Chrysler	Jeep	Liberty
2001	2004	Chrysler	Dodge	Grand Caravan	2000	2001	Chrysler	Plymouth	Neon
1998	2004	Chrysler	Dodge	Intrepid					

## Ford Vehicle Coverage

Min Year	Max Year	Mfg	Make	Model	Min Year	Max Year	Mfg	Make	Model
1997	1998	Ford	Ford	Club Wagon	1998	2005	Ford	Ford	Mustang
1996	2000	Ford	Ford	Contour	1996	2005	Ford	Ford	Ranger
1996	2005	Ford	Ford	Crown Victoria	1999	1999	Ford	Ford	Super Club and Super Van
2001	2005	Ford	Ford	Econoline	1999	2005	Ford	Ford	SuperDuty
1997	2000	Ford	Ford	Econoline E150, 250, 350	1996	2005	Ford	Ford	Taurus
2000	2000	Ford	Ford	Econoline E450	2002	2005	Ford	Ford	Thunderbird
2001	2005	Ford	Ford	Escape and Escape Hybrid	1996	2003	Ford	Ford	Windstar
1997	2003	Ford	Ford	Escort	2001	2003	Ford	Ford	ZX2
1999	1999	Ford	Ford	E-Super Duty	2003	2005	Ford	Lincoln	Aviator
2000	2005	Ford	Ford	Excursion	2002	2003	Ford	Lincoln	Blackwood
2001	2004	Ford	Ford	Exp Sport Trac	1996	2002	Ford	Lincoln	Continental
1997	2005	Ford	Ford	Expedition	2000	2005	Ford	Lincoln	LS
1996	2005	Ford	Ford	Explorer	1997	1998	Ford	Lincoln	Mark VIII
2001	2002	Ford	Ford	Explorer Postal	1998	2005	Ford	Lincoln	Navigator
2000	2005	Ford	Ford	Explorer Sport	1996	2005	Ford	Lincoln	Town Car
1997	2005	Ford	Ford	F-150	1999	2002	Ford	Mercury	Cougar
2004	2004	Ford	Ford	F-150 Heritage	1996	2005	Ford	Mercury	Grand Marquis
1999	2000	Ford	Ford	F-150 Reg and Super Cab	2003	2004	Ford	Mercury	Marauder
1997	1998	Ford	Ford	F-250	2005	2005	Ford	Mercury	Mariner
1999	1999	Ford	Ford	F-250 Reg and Super Cab	2005	2005	Ford	Mercury	Montego
2005	2005	Ford	Ford	Five Hundred	2004	2005	Ford	Mercury	Monterey
2000	2005	Ford	Ford	Focus	1997	2005	Ford	Mercury	Mountaineer
2005	2005	Ford	Ford	Ford GT	1996	2000	Ford	Mercury	Mystique
2004	2005	Ford	Ford	Freestar	1996	2005	Ford	Mercury	Sable
2005	2005	Ford	Ford	Freestyle	1997	1999	Ford	Mercury	Tracer
2005	2005	Ford	Ford	Motorhome					

## GM Vehicle Coverage

Min Year	Max Year	Mfg	Make	Model	Min Year	Max Year	Mfg	Make	Model
2005	2005	GM	Buick	Allure	1998	2000	GM	Chevrolet and GMC	C2500 08600, U8600
1998	2005	GM	Buick	Century	1999	2000	GM	Chevrolet and GMC	C3500
2005	2005	GM	Buick	LaCrosse	1998	1998	GM	Chevrolet and GMC	C3500 2WD
2000	2005	GM	Buick	LeSabre	2005	2005	GM	Chevrolet and GMC	C-Series
1997	2005	GM	Buick	Park Avenue	1999	1999	GM	Chevrolet and GMC	K1500

### GM Vehicle Coverage

Min Year	Max Year	Mfg	Make	Model	Min Year	Max Year	Mfg	Make	Model
2004	2005	GM	Buick	Rainier	1998	1998	GM	Chevrolet and GMC	K1500 4WD
1998	2004	GM	Buick	Regal	1998	2000	GM	Chevrolet and GMC	K2500 08600 and U8600
2002	2005	GM	Buick	Rendezvous	1999	2000	GM	Chevrolet and GMC	K3500
1998	1998	GM	Buick	Skylark	1998	1998	GM	Chevrolet and GMC	K3500 4WD
2005	2005	GM	Buick	Terraza	2004	2004	GM	Chevrolet and GMC	MD B7-Chassis and C-, T-, W4-Series
1997	1998	GM	Cadillac	Concours	2005	2005	GM	Chevrolet and GMC	T-Series
2003	2005	GM	Cadillac	CTS	2005	2005	GM	Chevrolet and GMC	W4 Series
1997	2005	GM	Cadillac	Deville	2004	2005	GM	GMC	Canyon
2005	2005	GM	Cadillac	DHS and DTS	1999	2005	GM	GMC	Envoy
1997	2002	GM	Cadillac	Eldorado	2003	2005	GM	GMC	Envoy XL
2000	2005	GM	Cadillac	Escalade	2004	2005	GM	GMC	Envoy XUV
2002	2003	GM	Cadillac	Escalade EXT	1996	2005	GM	GMC	Jimmy
1997	2004	GM	Cadillac	Seville	1999	2005	GM	GMC	Safari
2004	2005	GM	Cadillac	SRX	2003	2005	GM	GMC	Savana
2005	2005	GM	Cadillac	STS	2004	2004	GM	GMC	Savana CNG
2004	2005	GM	Cadillac	XLR	2004	2005	GM	GMC	Savana Pro
1999	2005	GM	Chevrolet	Astro	1999	1999	GM	GMC	Sier. 08600GVW and U8600GVW
2002	2005	GM	Chevrolet	Avalanche	2000	2005	GM	GMC	Sierra
1996	2005	GM	Chevrolet	Blazer	2001	2003	GM	GMC	Sierra 2500 and 3500 HD
1999	2002	GM	Chevrolet	Camaro	2001	2001	GM	GMC	Sierra C3 AWD
2000	2005	GM	Chevrolet	Cavalier	2002	2005	GM	GMC	Sierra Denali
2005	2005	GM	Chevrolet	Cobalt	2005	2005	GM	GMC	Sierra PHT
2004	2005	GM	Chevrolet	Colorado	1996	2004	GM	GMC	Sonoma
1997	2005	GM	Chevrolet	Corvette	1999	2002	GM	GMC	Suburban
2005	2005	GM	Chevrolet	Equinox	1999	2005	GM	GMC	Yukon
2003	2005	GM	Chevrolet	Express	2004	2005	GM	Hummer	H2
2004	2005	GM	Chevrolet	Express Access	1998	1998	GM	Oldsmobile	Achieva
2004	2004	GM	Chevrolet	Express BiFuel and CNG	1999	2004	GM	Oldsmobile	Alero
2000	2005	GM	Chevrolet	Impala	2001	2003	GM	Oldsmobile	Aurora
2001	2001	GM	Chevrolet	Lumina	1996	2004	GM	Oldsmobile	Bravada
1997	2005	GM	Chevrolet	Malibu	1997	1999	GM	Oldsmobile	Cutlas
2004	2005	GM	Chevrolet	Malibu Classic	1998	2002	GM	Oldsmobile	Intrigue
2000	2005	GM	Chevrolet	Monte Carlo	1997	1997	GM	Oldsmobile	LSS
1996	2004	GM	Chevrolet	S10	2000	2004	GM	Oldsmobile	Silhouette
1999	1999	GM	Chevrolet	Silv 08600 & U8600 GVW	2001	2005	GM	Pontiac	Aztek
2001	2003	GM	Chevrolet	Silv. 2500 HD	2000	2005	GM	Pontiac	Bonneville
2001	2001	GM	Chevrolet	Silv. 3500	2003	2003	GM	Pontiac	Bonneville SE, SLE, SSEi
2000	2005	GM	Chevrolet	Silverado	1999	2002	GM	Pontiac	Firebird
2004	2004	GM	Chevrolet	SSR	2005	2005	GM	Pontiac	G6
1999	2005	GM	Chevrolet	Suburban	1998	2005	GM	Pontiac	Grand Am
1999	2005	GM	Chevrolet	Tahoe	2004	2005	GM	Pontiac	Grand Prix
1999	2004	GM	Chevrolet	Tracker	2005	2005	GM	Pontiac	GTO
2002	2005	GM	Chevrolet	Trailblazer	2000	2005	GM	Pontiac	Montana
2003	2005	GM	Chevrolet	TrailblazerEXT	2005	2005	GM	Pontiac	Montana SV6
2005	2005	GM	Chevrolet	Uplander	2005	2005	GM	Pontiac	Pursuit
2000	2005	GM	Chevrolet	Venture	2000	2005	GM	Pontiac	Sunfire
2005	2005	GM	Chevrolet and GMC	B7-Chassis	2003	2004	GM	Saturn	Ion
1999	1999	GM	Chevrolet and GMC	C1500	2005	2005	GM	Saturn	Relay
1998	1998	GM	Chevrolet and GMC	C1500 2WD	2000	2002	GM	Saturn	SL, SC, SW
2000	2000	GM	Chevrolet and GMC	C2500 ALT FUEL					

## ELITE AUTOSCANNER® PRO

CP9190 - Trilingual OBD I, OBD II enhanced and CAN scan tool kit

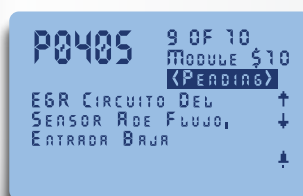
Patent No. Des. 6,701,233  
Patent No. Des. 6,928,349



### NEW INNOVATIVE FEATURES AND ERGONOMIC DESIGN ARE IDEAL FOR THE DIYer AND PRO DIYer!

CP9190 Trilingual Elite AutoScanner Pro offers DIYers and technicians the features they asked for. Upgraded features include the ability to read enhanced DTCs, graph engine data, record and playback stored vehicle information, and the ability to print the information through a PC. All this in a tool compatible with ALL 1996 and newer vehicles (OBD II) as well as most OBD I GM, Ford and Chrysler vehicles.

#### SPANISH



#### FRENCH



## SPECIFICATIONS

	Qty	Weight	Dimensions	Barcode/UPC
CP9190 CASE PACK	1	8 lbs	5"H 14"W 16"D	20021467850476
CP9190 UNIT	1	8 lbs	5"H 14"W 16"D	021467850472



# FEATURES

Patent No. Des. 6,701,233  
Patent No. Des. 6,928,349

- Graph data – (1996 and newer)
- Trilingual menu and options – English, French, Spanish
- OBD I functionality – cables included for '84-'95 Ford, '84-'95 GM and '89-'95 Chrysler vehicles
- Read, record and playback LIVE sensor data
- OBD II compatible and CAN with all 1996 and newer vehicles and also works on '94 and '95 OBD II compliant
- Reads, displays and erases generic, enhanced diagnostic trouble codes (DTCs)
- On screen code definitions
- Resets check engine light
- USB included for internet updates
- Large, backlit, graphic LCD
- Displays emissions readiness status (I/M Readiness Monitors)
- Displays freeze frame data
- OBD II code library built into tool
- Displays O2 monitor test
- State OBD II Check (emissions)
- OBD II drive cycle mode
- Displays MIL status
- Diagnostic monitor test
- Retains the most recently scanned vehicle's data and configuration
- Battery powered for review of vehicle data off vehicle
- Vehicle information (includes VIN # and calibration IDs)
- Help screens
- DTC look-up feature
- PC compatible with ability to print
- Cables, adapters, hard case, manual and Professional Companion CD included

## CP9190 KIT INCLUDES



### CP9190 includes the following:

CP9190 handset	Ford OBD I MCU/EEC-IV cable	Professional Companion CD	Blow molded hard case
OBD II cable	Chrysler OBD I SCI cable	Cigarette lighter adapter	USB cable
GM OBD I ALDL cable	Manual	Vehicle battery adapter	6-foot extension cable
Optional cable available: CP9130 Chrysler LH		Optional cable available: CP9131 Ford MECS	



## ELITE AUTOSCANNER®

Patent No. Des. 6,701,233  
Patent No. Des. 6,928,349

CP9185 - Trilingual OBD II enhanced and CAN scan tool with optional OBD I



**IF YOU NEED ALL THE FEATURES OF THE ELITE AUTOSCANNER PRO BUT NOT ALL THE CABLES, THIS IS YOUR TOOL!**

CP9185 Trilingual Elite AutoScanner offers DIYers and technicians the features they asked for. Upgraded features include the ability to read enhanced DTCs, graph engine data, record and playback stored vehicle information, and the ability to print the information through a PC. All this in a tool compatible with ALL 1996 and newer vehicles (OBD II) and can be upgraded to cover most OBD I GM, Ford and Chrysler vehicles.

SPANISH

P0405 9 OF 10  
MODULE \$70  
(PENDING)  
EGR CIRCUITO DEL ↑  
SENSOR ADE FLUJO ↓  
ENTRADA BAJA ↓

FRENCH

P0405 9 OF 10  
MODULE \$70  
(PENDING)  
CIRCUIT DU CAPTEUR A ↑  
D'EGR AU RIVERU BAS ↓  
↓

## SPECIFICATIONS

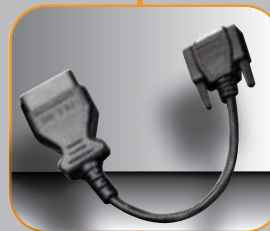
	Qty	Weight	Dimensions	Barcode/UPC
CP9185 CASE PACK	1	4 lbs	5"H 10"W 13"D	20021467850773
CP9185 UNIT	1	4 lbs	5"H 10"W 13"D	021467850779

# FEATURES

Patent No. Des. 6,701,233  
Patent No. Des. 6,928,349

- Graph data – (1996 and newer)
- Trilingual menu and options – English, French, Spanish
- OBD I functionality – optional cables available for '84-'95 Ford, '84-'95 GM and '89-'95 Chrysler vehicles
- Read, record and playback LIVE sensor data
- OBD II compatible and CAN with all 1996 and newer vehicles and also works on '94 and '95 OBD II compliant
- Reads, displays and erases generic, manufacturer specific and enhanced Diagnostic Trouble Codes (DTCs)
- On screen code definitions
- Resets check engine light
- USB included for internet updates
- Large, backlit, graphic LCD
- Displays emissions readiness status (I/M Readiness Monitors)
- Displays freeze frame data
- OBD II code library built into tool
- Displays O2 monitor test
- State OBD II Check (emissions)
- OBD II drive cycle mode
- Displays MIL status
- Diagnostic monitor test
- Retains the most recently scanned vehicle's data and configuration
- Battery powered for review of vehicle data off vehicle
- Vehicle information (includes VIN # and calibration IDs)
- Help screens
- DTC look-up feature
- PC compatible with ability to print
- Cables, soft case, manual and Professional Companion CD included

## CP9185 INCLUDES



CP9185 includes the following:		Optional cables and case available:	
CP9185 handset	Professional Companion CD	CP9127 GM ALDL kit	CP9130 Chrysler LH
OBD II cable	6-foot extension cable	CP9128 Ford MCU	CP9131 Ford MECS
USB cable	Soft case and manual	CP9129 Chrysler SCI kit	CP9184 Hard carrying case



## AUTOSCANNER® PLUS

CP9180 - Bilingual OBD II enhanced and CAN scan tool kit

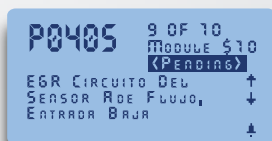
Patent No. Des. 6,701,233  
Patent No. Des. 6,928,349

### THE NEW AUTOSCANNER PLUS READS, RECORDS AND PLAYS BACK LIVE SENSOR DATA!

The new CP9180 AutoScanner® Plus encompasses many professional features in an inexpensive scan tool. Compatible with all OBD II and CAN vehicles.

#### FEATURES

- Read, record and playback LIVE sensor data
- Bilingual tool with English and Spanish menu items
- OBD II compatible and CAN with all 1996 and newer vehicles and also works on '94 and '95 OBD II compliant
- Reads, displays and erases generic, manufacturer specific and enhanced DTCs
- On screen code definitions
- Resets check engine light
- USB cable included for internet updates
- Large, backlit, graphic LCD
- Displays emissions readiness status
- Displays freeze frame data
- OBD II code library built into tool
- Displays O2 monitor test
- State OBD II Check (emissions)
- OBD II drive cycle mode
- Displays MIL status
- Diagnostic monitor test
- Retains the most recently scanned vehicle's data and configuration
- Battery powered for review of vehicle data off vehicle
- Vehicle information (includes VIN # and calibration IDs)
- Help screens
- DTC look-up feature
- PC compatible with ability to print
- 8' cable, soft case, manual and Professional Companion CD included



SPANISH



## SPECIFICATIONS

	Qty	Weight	Dimensions	Barcode/UPC
CP9180 CASE PACK	2	5 lbs	10"H 7.5"W 11"D	20021467850483
CP9180 UNIT	1	2.5 lbs	10"H 7"W 5"D	021467850489



## CODE READERS

### OBD II AUTOSCANNER®

CP9175 - Trilingual OBD II and CAN code reader

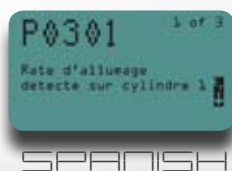
Patent No. Des. 6,701,233  
Patent No. Des. 6,928,349

#### THE OBD II AUTOSCANNER ENABLES YOU TO READ DATA IN ENGLISH, SPANISH OR FRENCH!

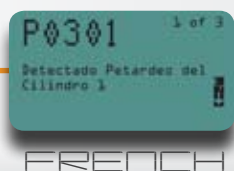
Valuable feedback from experienced DIYers has resulted in the creation of this OBD II AutoScanner from Actron – incorporating the functions that help fix vehicles faster.

#### FEATURES

- OBD II compatible and CAN with all 1996 and newer vehicles and also works on '94 and '95 OBD II compliant
- Reads codes
- On screen code definitions
- Erases codes
- Displays emissions status
- Displays freeze frame data
- Updateable-quickly and easily update your tool via internet (optional cable CP9137)
- DTCs retained in memory
- Battery powered for review of data off vehicle
- DTC look-up feature
- Trilingual tool with Spanish, French and English menu items
- 6' cable (attached), and manual



SPANISH



FRENCH



#### SPECIFICATIONS

	Qty	Weight	Dimensions	Barcode/UPC
CP9175 CASE PACK	4	6.5 lbs	13.5"H 6.75"W 10.85"D	20021467091756
CP9175 UNIT	1	1.63 lbs	10"H 6.25"W 3.25"D	021467091752

## CODE READERS

### OBD II POCKETSCAN®

CP9125 - OBD II and CAN code reader

Patent No. Des. 6,701,233  
Patent No. Des. 6,928,349

### POCKETSCAN CODE READER, AN EASY-TO-USE TOOL FOR NOVICE AND LIGHT-TO-MODERATE DIY CUSTOMERS.

PocketScan code reader enables the user to read OBD II diagnostic trouble codes (DTCs) from the on-board computers of 1996 and newer cars and light trucks. This gives the user the ability to quickly determine the cause of the "Check Engine" light coming on. Once repairs are made, the PocketScan allows the user to clear the trouble codes and turn off the light.

#### FEATURES

- OBD II compatible and CAN with all 1996 and newer vehicles and also works on '94 and '95 OBD II compliant
- Reads codes
- Erases codes
- Displays emissions status
- Displays MIL status
- Indicates number of codes pulled
- OBD II cable (attached), and manual included



## SPECIFICATIONS

	Qty	Weight	Dimensions	Barcode/UPC
CP9125 CASE PACK	4	3.36 lbs	11"H 8.25"W 6.63"D	20021467091251
CP9125 UNIT	1	.84 lbs	10"H 6.25"W 2.25"D	02146791257



## CODE SCANNERS OBD I

**CODE SCANNERS RETRIEVE OBD I DATA THROUGH A SERIES OF FLASHES.**



**CP9001 OBD I Code Scanner®  
GM**

### FEATURES

- Retrieves engine and ABS trouble codes from the on-board computer
- Codes flash on dashboard Check Engine light
- Use on 1982-1993 domestic GM and Saturn vehicles



**CP9015 OBD I Code Scanner®  
Ford**

- Retrieves engine codes from the on-board computer
- Uses audio and visual indicators for reading codes
- Built-in battery eliminates cables
- Accesses Ford's self-test system
- Use on 1984-1995 domestic Ford, Lincoln and Mercury vehicles



**CP9025 OBD I Code Scanner® Toyota/Honda/  
Nissan**


- Access the on-board computer
- Trouble codes flash on dashboard Check Engine light/computer module
- Works on most 1983-1992 Honda, Nissan and Toyota

	Qty	Weight	Dimensions	Barcode/UPC
CP9001 CASE PACK	4	4 lbs	12.5"H 9"W 12.25"D	20021467090018
CP9001 UNIT	1	1 lbs	10"H 6"W 2.25"D	021467090014
CP9015 CASE PACK	4	4 lbs	12.5"H 9"W 12.25"D	20021467090155
CP9015 UNIT	1	1 lbs	10"H 6"W 2.5"D	021467090151
CP9025 CASE PACK	4	4 lbs	12.5"H 9"W 12.25"D	20021467090254
CP9025 UNIT	1	1 lbs	10"H 6"W 2.25"D	021467090250

# TOOL COMPARISON





























































**REFER TO THE TABLE BELOW TO DETERMINE WHICH  
SCAN TOOL OR CODE READER YOU NEED.**


HARDWARE FEATURES	CP9125	CP9410	CP9175	CP9180	CP9185	CP9190
Detachable cable						
Back lit display						
USB cable included for online update						
Soft carrying case						
Blow molded storage case						
SOFTWARE FEATURES	CP9125	CP9410	CP9175	CP9180	CP9185	CP9190
Updateable online						
On-screen code definitions						
Battery low indicator						
Review data off vehicle						
Code lookup on tool						
Record and playback live sensor data						
Print data						
Display graphing data						
Urgency Indicators						
OBD II ENHANCED	CP9125	CP9410	CP9175	CP9180	CP9185	CP9190
1996 and newer GM, Ford and Chrysler enhanced DTCs						
OBD II GENERIC	CP9125	CP9410	CP9175	CP9180	CP9185	CP9190
Read codes, pending codes and erase codes						
MIL status (malfunction indicator lamp)						
I/M readiness monitor status (emissions)						
View freeze frame data (engine parameters at time of default)						
State OBD check						
Displays vehicle information (VIN # and calibration ID)						
View live engine data parameters (PIDS)						
O2 monitor test						
OBD II drive cycle mode						
Manufacturer specific diagnostic trouble codes						
PROTOCOLS	CP9125	CP9410	CP9175	CP9180	CP9185	CP9190
CAN (all 2008 vehicles are required to use this protocol)						
Keyword 2000, ISO-9142-2, J-1850 (VPW & PWM)						
OBD I CABLES	CP9125	CP9410	CP9175	CP9180	CP9185	CP9190
OBD I cables for '84-'95 GM, Ford & '89-'95 Chrysler vehicles						

 indicates a feature available with purchase of optional cable(s)



## OBD I SCAN TOOL FEATURES.

GM OBD I	CP9125	CP9410	CP9175	CP9180	CP9185	CP9190
12 PIN DLC						
16 PIN DLC						
Field Service Mode						
Transmission Codes						
Diesel 6.2 & 6.5 Liter Engines						
Saturn Data List						
Read and Clear Codes						
View Live Data						
FORD OBD I	CP9125	CP9410	CP9175	CP9180	CP9185	CP9190
EEC IV System						
MECS System - available						
MCU System						
KOEO & KOER Codes						
Continuous Memory Codes						
Cylinder Balance Test						
IVSC Speed Control						
ABS Brake Systems						
STAR Test Mode						
Output Switch Test						
Erase Codes						
View Live Data						
CHRYSLER OBD I	CP9125	CP9410	CP9175	CP9180	CP9185	CP9190
SCI Protocol						
LH Cable (Intrepid, Concord New Yorker Vision, LHS) - available						
Sensor Test						
Switch Test						
Actuator Test						
Emissions Maintenance Reminder (EMR) Lamp Reset						
Idle Speed Test						
Read and Clear Codes						
View Live Data						
Controller ID						

 indicates a feature available with purchase of optional cable(s)

## SCAN TOOL ACCESSORIES

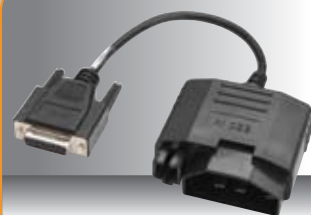
### CP9127 - GM ALDL cable kit

- CP9185 and CP9190
- 1984-1995 GM vehicles with ALDL connector
- Also for older models CP9145 and CP9150
- Includes cigarette lighter adapter



### CP9128 - Ford MCU/EEC-IV cable kit

- CP9185 and CP9190
- 1984-1995 Ford and Lincoln vehicles with MCU/EEC-IV connector
- Also for older models CP9145 and CP9150
- Includes cigarette lighter and vehicle battery adapters



### CP9129 - Chrysler SCI cable kit

- CP9185 and CP9190
- 1989-1995 Chrysler vehicles with SCI connector
- Also for older models CP9145 and CP9150
- Includes cigarette lighter adapter



### CP9130 - Chrysler LH cable

- CP9185 and CP9190
- 1989-1995 Chrysler vehicles with LH connector
- Also for older models CP9145 and CP9150
- Includes cigarette lighter adapter



### CP9131 - Ford MECs cable

- CP9185 and CP9190
- 1984-1995 Ford and Lincoln vehicles with MECS connector
- Also for older models CP9145 and CP9150
- Includes cigarette lighter and vehicle battery adapters



### CP9142 - OBD II cable

- CP9185 and CP9190
- Also for older models CP9145 and CP9150



### CP9186 - OBD II 8' extender cable

- For models CP9185 and CP9190

### CP9143 - OBD II 8' extender cable

- For older models CP9145 and CP9150



### CP9184 - Hard carrying case

- CP9185 and CP9190

### CP9133 - Hard carrying case

- CP9145 and CP9150



### CP9137 - USB internet update cable

- CP9175



### CP9144- Soft carrying case

- CP9175, CP9180, CP9185 and CP9190
- Also for older models CP9145 and CP9150



### CP9134 - Professional Companion™ CD

- Contains over 8000 code definitions in English, Spanish and French
- User manuals for CP9175, CP9180, CP9185, CP9145, CP9150 and CP9190



# MULTIMETERS

## AUTOTROUBLESHOOTER

CP7677 - Digital multimeter and engine analyzer

**THIS INGENUOUS TOOL PERFORMS ALL STANDARD ELECTRICAL TESTS FOR ON-CAR AND BENCH TROUBLESHOOTING, INCLUDING TACH, DWELL, VOLTS, OHMS AND DIODE.**



### FEATURES

- Tests starting & charging, ignition and fuel delivery systems
- Locate faulty wiring and components
- Extra-large, easy-to-read digital LCD
- On-screen test leads connection reminder
- Automatic reverse polarity indication
- Automatic zero adjust
- Overload protection on all ranges
- Includes protective boot, detachable color-coded test leads, alligator clips and detailed instructions

Features include a fold-out stand and test lead holders at back of tool for convenient lead storage.



## SPECIFICATIONS

	Qty	Weight	Dimensions	Barcode/UPC
CP7677 CASE PACK	4	5.75 lbs	6.5"H 8.5"W 10.5"D	20021467076777
CP7677 UNIT	1	2 lbs	2"H 6"W 10"D	021467876773



# AUTOANALYZER

CP7665 - Digital multimeter

**THE AUTOANALYZER® PERFORMS  
ALL STANDARD ELECTRICAL  
TESTS FOR ON-CAR  
AND BENCH TROUBLESHOOTING.**

## FEATURES

- Measures AC/DC voltage, DC current and resistance
- Tests diodes and batteries
- Tests fuses, switches, solenoids and relays
- Backlit LCD is easy to read day or night
- Hold button retains display data
- Automatic polarity sensing to avoid reversed test lead hook-up
- Automatic zero adjustment for volts, amps and battery tests for accurate measurements
- Low battery indication for user convenience (9V battery not included)



Features include a fold-out stand and test lead holders at back of tool for convenient lead storage.



## SPECIFICATIONS

	Qty	Weight	Dimensions	Barcode/UPC
CP7665 Case Pack	4	lbs	6.5"H 8.5"W 9.5"D	20021467076654
CP7665 Unit	1	1 lbs	9.25"H 6"W 1.8"D	021467076650

# METER COMPARISON

	CP7677	CP7665	CP7672
FUNCTIONS	RANGE	RANGE	RANGE
DC volts	200mV-1000V	200mV-500V	200mV-1000V
AC volts	2V - 750V	200V-500V	200V - 750V
DC amps	200mA - 10A	200mA - 10A	200mA - 10A
OHMS	200Ω - 20MΩ	200Ω - 20MΩ	200Ω - 2MΩ
Diode check	■	■	■
Dwell	4,6,8 CYL		
Tach	■		
Continuity	■		
Battery Test		1.5V, 9V, 12V	
Transistor check			■
FEATURES			
Auto reverse polarity	■	■	■
Auto zero adjust	■	■	■
Overload protection	■	■	■
Low battery indicator	■	■	■
10M Input	■	■	■
9-Volt power	■	■	
Audible tone	■	■	
Auto power off	■		
ACCESSORIES			
Color-coded leads	■	■	■
Detailed manual	■	■	■
Alligator clips	■	■	
Holster	■		



**IDEAL FOR HOME AND SHOP USE.**

## CP7672 - Digital multimeter

### FEATURES

- Large digital display
- Battery operated (not included)
- Detachable color-coded test leads



## SPECIFICATIONS

	Qty	Weight	Dimensions	Barcode/UPC
CP7672 Case Pack	4	3 lbs	5.5"H 6"W 9.5"D	20021467076746
CP7672 Unit	1	.75 lbs	7"H 5"W 1.37"D	021467076728

# MULTIMETERS

## TRADITIONAL ANALOG MULTIMETERS PROVIDE HIGH ACCURACY AND EASY-TO-READ POINTERS.

### CP7849 - Analog Multimeter

#### FEATURES

- Measures AC/DC voltage, DC current, and resistance
- Tests 1.5V and 9V batteries
- 19 Ranges for more accurate measurements
- Zero adjust for maximum accuracy
- Battery operated (1.5V AA battery not included)



### CP7848 - Pocket Electrical Tester

#### FEATURES

- DC volts, AC volts, DC current, Ohms, decibels
- Fuse protection on all functions and ranges
- Easy-to-read analog scale
- Detachable, color-coded leads
- Battery operated (1.5V AA battery not included)



### CP7605 - Dwell/Tach/Volt

#### FEATURES

- Large, easy-to-read analog meter
- Zero adjust for maximum accuracy
- Tests conventional and electronic ignitions
- Tests starting/charging systems
- Ranges: dwell, tach, volts



## SPECIFICATIONS

	Qty	Weight	Dimensions	Barcode/UPC
CP7849 Case Pack	6	4.6 lbs	5.5"H 6"W 9.5"D	20021467078498
CP7849 Unit	1	1 lbs	7"H 5"W 1.37"D	021467078494
CP7848 Case Pack	6	1.5 lbs	4.3"H 5.3"W 11.1"D	20021467078481
CP7848 Unit	1	.25	8.6"H 4.75"W 1.5"D	021467078487
CP7605 Case Pack	4	4.5 lbs	12.5"H 9"W 12.25"D	20021467076050
CP7605 Unit	1	1.1 lbs	5.75"H 7.5"W 2.9"D	021467076056

## TESTERS

### CP7875 - PocketTherm® Pocket IR Thermometer

This non-contact temperature reader safely measures surface temperatures of hot, hazardous or hard to reach objects. Simply point, click and read.

- Uses:
- exhaust systems • electronics • cylinder head
  - catalytic converters • heating & cooling systems • radiators
  - air-conditioning systems • brakes

#### FEATURES

- Temperature range of -27° to 428° F (-33° to 220° C)
- Instant, accurate response
- Backlit LCD display w/dual readings
- More than 30 hours of continued use
- Replaceable battery included



### CP9087 - Ignition Module and Sensor Tester

A convenient, easy-to-use tool that tests ignition modules, most sensors and also continuity, diodes and wiring.

#### FEATURES

- For GM, Ford, Chrysler, Honda, Toyota and Nissan vehicles with non-DIS systems
- Tests sensors including O<sub>2</sub>, MAP, MAF, knock and crankshaft sensors
- Easy-to-use instruction manual details hookup and test procedures
- Back probe included for in-circuit testing
- 9-volt battery operated
- Computer safe



## SPECIFICATIONS

	Qty	Weight	Dimensions	Barcode/UPC
CP7875 Case Pack	4	1 lbs	8.25"H 5.4"W 4.25"D	20021467078757
CP7875 Unit	1	.20 lbs	8.25"H 5.4"W 1"D	021467078753
CP9087 Case Pack	4	6 lbs	12.5"H 9"W 12.25"D	20021467090872
CP9087 Unit	1	1.5 lbs	10"H 6"W 2.25"D	021467090878



# BATTERY TESTERS

## CP7614 - 130 amp Heavy-Duty Battery Load Tester

Applying a powerful 130 amp load, this heavy-duty battery tester delivers more accurate results than conventional 100 amp testers.

### FEATURES

- 130 amp load
- Large, easy to read display
- Unique clamp design for side and top post batteries
- Side clamp mount for cable storage
- Convenient zero adjust to reset pointer
- Lightweight, comfortable, easy-to-grip
- Multi-mount bracket for easy storage on a wall or tool box



## CP7612 - Battery Load Tester

With full 100 amp load-testing capacity, this reliable tester works on both 6 and 12 volt batteries. The unit performs both a voltage test and 15 second battery-load testing.

### FEATURES

- Rugged, precise 3" jeweled D'Arsonval meter with zero adjust
- Chrome-plated steel housing with rubber grip handle and side test clamp holders
- Heavy-duty, UL listed, momentary test switch
- Manganese wire resistance element shunt grid
- Extra heavy (10 AWG) 12" leads with strain relief and color-coded, insulated, copper plated steel clamps
- Color coded, 0-16 volt scale



## CP7611 - Batt/Alt Tester

Ultra-compact charging system tester (battery and alternator).

### FEATURES

- Color-coded LEDs quickly indicate condition of part
- Tests 12V batteries
- Checks operation of alternator



## SPECIFICATIONS

	Qty	Weight	Dimensions	Barcode/UPC
CP7614 Case Pack	4	1 lbs	8.25"H 5.4"W 4.25"D	20021467078757
CP7614 Unit	1	.20 lbs	8.25"H 5.4"W 1"D	021467078753
CP7612 Case Pack	4	6 lbs	12.5"H 9"W 12.25"D	20021467090872
CP7612 Unit	1	1.5 lbs	10"H 6"W 2.25"D	021467090878
CP7611 Case Pack	6	3.85 lbs	5.75"H 13"W 14"D	20021467076111
CP7611 Unit	1	1 lbs	12"H 5"W 2"D	021467076117



## TIMING LIGHTS



**CP7529**  
Digital Timing Light

Advanced features with a bright LED screen and mode indicator lights.

### FEATURES

- Microprocessor-controlled circuitry
- LED tachometer display reads 0-9999 RPM advance display indicates to 1/10
- Unique flashlight feature
- 2/4 cycle and RPM/advance lights



**CP7528**  
Advance Timing Light

Allows accurate adjustment of base and advance timing reading.

- Adjustable knob measures centrifugal, vacuum and computer advance



**CP7527**  
Inductive Timing Light

Designed for standard base timing.

- On/off touch control

## SPECIFICATIONS

	Qty	Weight	Dimensions	Barcode/UPC
CP7529 Case Pack	4	7 lbs	10"H 12.5"W 3"D	20021467075299
CP7529 Unit	1	1.7 lbs	10.25"H 12.75"W 12.5"D	021467075295
CP7528 Case Pack	4	7 lbs	10"H 12.5"W 3"D	20021467075282
CP7528 Unit	1	1.7 lbs	10.25"H 12.75"W 12.5"D	021467075288
CP7527 Case Pack	4	7 lbs	10"H 12.5"W 3"D	20021467075275
CP7527 Unit	1	1.7 lbs	10.25"H 12.75"W 12.5"D	021467075271



**CORRECT IGNITION TIMING MAINTAINS TOP VEHICLE PERFORMANCE.**



	CP7527	CP7528	CP7529
Conventional, electronic, computer controlled ignition systems	■	■	■
DIS and 2 cycle systems	■	■	■
On/off touch control	■	■	■
Adjustable Advance	■	■	■
Digital LED Readout Tach and Advance	■	■	■
2 /4 cycle and RPM/advance mode lights	■	■	■
2 to 4 cycle selector button	■	■	■
Flashlight feature button	■	■	■
RPM Advance Selector Button	■	■	■
Up or down scroll buttons	■	■	■
STANDARD FEATURES OF ALL TIMING LIGHTS			
All metal inductive pickup	■	■	■
Super bright Xenon flash	■	■	■
One touch control	■	■	■
Durable, plated ABS housing	■	■	■
Heat resistant over molding on battery clips	■	■	■
Detailed instruction manual included	■	■	■



## High Visibility Circuit Tester and Coil Cord Test Leads

### CP7841- Mini Circuit Tester

#### FEATURES

- Compact design for use in tight areas
- 6 ft. high-visibility, polyurethane (superior memory retention) coil cord
- Bright, high intensity bulb
- Sharp stainless-steel probe
- Threaded tip for add-on alligator clip
- Molded strain relief
- Insulated, heavy-duty clip



### CP7847 - LED Circuit Tester

#### FEATURES

- Tests spark plug wires
- 12V car/truck batteries
- 4-13V variable DC voltage
- Household 110/220 AC, DC wire/circuit
- LED lights indicate voltage level
- Piercing probe for in-circuit testing
- Easy-grip design for safe handling



### CP7863 - Twin 5ft. Jumper Leads

### CP7866 - Twin 5ft. Multimeter Lead Set 2 multimeter probes, 2 banana plugs, 4 alligator clips



	Quantity	Weight	Dimensions	Barcode/UPC
CP7841 Case Pack	6	3 lbs	5.5"H 8.5"W 12.5"D	20021467078412
CP7841 Unit	1	.75 lbs	12"H 5"W 1.5"D	021467078418
CP7847 Case Pack	6	1.14 lbs	10.25"H 9"W 6"D	20021467075282
CP7847 Unit	1	.19 lbs	8"H 6"W .5"D	021467078470
CP7866 Case Pack	6	3.2 lbs	12.5"H 8.5"W 12.5"D	20021467078665
CP7866 Unit	1	.5 lbs	12"H 5"W 1.5"D	021467078661
CP7863 Case Pack	6	3.2 lbs	12.5H 8.5W 12.5D	20021467078634
CP7863 Unit	1	.5 lbs	12"H 5"W 1.5"D	021467078630

# Starter Switches



## CP7854 - Heavy-Duty Remote Starter Switch

The push button design allows one person to start or crank engine from under the hood. Red ready-light glows when the starter switch is connected to hot circuit.

### FEATURES

- Heavy-duty 12 gauge wire
- Hot circuit indicator light
- High current clips open to an extra wide 5/8"
- Soft rubber grip

## CP7853 - Remote Starter Switch

Allows one person to start or crank engine from under the hood. Ideal for compression test or bumping engine onto TDC (top dead center) timing marks for valve, distributor or camshaft adjustment.

### FEATURES

- Power tool type trigger switch
- Heavy duty neoprene leads
- Clips with insulated boots



	Quantity	Weight	Dimensions	Barcode/UPC
CP7854 Case Pack	4	lbs	"H "W "D	2002146707854?
CP7854 Unit	1	1 lbs	5.5"H 7"W 1.75"D	021467078548
CP7853 Case Pack	6	3 lbs	12.5"H 5.25"W 9"D	20021467075535
CP7853 Unit	1	.5 lbs	12"H 5"W 1.5"D	021467078531

## Compression Testers

### PROFESSIONAL COMPRESSION TESTERS DETECTS WORN RINGS, BURNT VALVES AND BLOWN HEAD GASKETS.

#### CP7828 - Professional Compression Tester

##### FEATURES

- Measures cylinder compression to accurately diagnose engine condition
- Compatible with most standard spark plug threads
- Quick disconnect coupler separates hose from gauge for faster, easier connections to the engine
- Push-button side release valve allows repeated testing without disconnecting
- Includes adapters for most standard spark plug threads:
  - 10mm
  - 12mm
  - 14mm
  - 14mm long reach
  - 18mm
- Repair kit includes valves and rubber O-rings
- Easy-to-read, 2-1/2" professional gauge
- Bourdon tube movement for accurate readings
- Heavy-duty rubber boot protects gauge
- Standard and metric scales: 0-300 lbs psi and 0-2100 kPa
- Tool pouch keeps parts organized

#### CP7827 - Compression Tester Kit

##### FEATURES

- 14mm long reach adapter included, for many late model vehicles
- Quick release hose disconnects from gauge for faster, easier use
- Full 2-1/2" easy-to-read face
- Both U.S. and metric scales
- 17" high pressure flexible oil and grease resistant hose
- 14mm and 18mm ends fit most spark plug openings



## SPECIFICATIONS

	Quantity	Weight	Dimensions	Barcode/UPC
CP7828 Case Pack	6	6 lbs	12.5"H 5.25"W 9"D	20021467078276
CP7828 Unit	1	1 lbs	12"H 5"W 1.5"D	021467078272
CP7827 Case Pack	6	6 lbs	12."H 5"W 1.5"D	20021467078276
CP7827 Unit	1	.5 lbs	12"H 5"W 1.5"D	021467078272



**AN ENGINE IS ESSENTIALLY A SELF-POWERED AIR PUMP,  
SO IT NEEDS GOOD COMPRESSION TO RUN EFFICIENTLY,  
CLEANLY AND TO START EASILY.**

### CP7826 - Compression Tester

#### FEATURES

- External pressure release valve
- Full 2-1/2" easy-to-read face
- Both U.S. and metric scales
- 14" high pressure flexible oil and grease resistant hose
- 14mm and 18mm ends fit most spark plug openings
- Bourdon tube movement for accurate readings



### CP7821 - Stem Compression Tester

Allows you to measure pressure within the combustion chamber as the piston comes up on compression stroke.

#### FEATURES

- Full 2-1/2" easy-to-read face
- 0-300 psi scale
- push-in compression tester
- Universal rubber adapter fits all spark plug holes
- Bourdon tube movement for accurate readings



## SPECIFICATIONS

	Quantity	Weight	Dimensions	Barcode/UPC
CP7826 Case Pack	6	6 lbs	6.25"H 8.37"W 13.37"D	20021467078269
CP7826 Unit	1	1 lbs	7.5"H 5.5"W 3.13"D	021467078265
CP7821 Case Pack	6	1.5 lbs	12.75"H 5.5"W 9"D	20021467078212
CP7821 Unit	1	.25 lbs	7.5"H 5"W 1.5"D	021467078210

## Fuel Pressure Testers - For fuel injected engines and carburetor engines

### USE TO DIAGNOSE DRIVEABILITY

#### PROBLEMS CAUSED BY OUT-OF-SPEC FUEL PRESSURE.

Safely test vehicle fuel pressure systems including fuel pump check valve, fuel rail pop-off pressure, fuel rail deterioration, and leaking injectors.

#### CP7838 - Professional Fuel Pressure Tester Kit

##### FEATURES

- Accurately measure fuel pressure on fuel injected and carburetor engines
- Adapters fit majority of domestic and import applications
- 40-inch gauge hose for ease of reaching any test point
- 2 1/2" gauge with 0-100 psi/0-700 kPa scales for accurate measurements
- Pressure relief button and 6-ft hose for safely disposing of gasoline and repeating tests without disconnecting gauge
- Gauge boot to protect gauge and vehicle finish



#### CP7818 - Fuel Pressure Tester Kit

Use on domestic fuel injected vehicles equipped with Schrader valve test port.

##### FEATURES

- Large, easy-to-read 0-100 psi scale
- Solid brass fittings
- Pressure relief valve for safe, clean testing



#### CP7817 - GM TBI\* - Fuel Pressure Tester

Tests GM TBI vehicles without a Schrader or fuel access valve test port on the fuel rail.

##### FEATURES

- Test fuel pump check valve, fuel rail pop-off pressure, fuel rail deterioration, and leaking injectors.
- Large, easy to read 0-60psi scale
- Adapter fitting for GM TBI systems without a fuel access valve test port
- Pressure relief valve for safe, clean testing
- Solid brass fittings



\*Throttle Body Injection

## Fuel Pressure Testers - For carburetor engines

### TEST VACUUM LINE, COMPONENTS AND LOW PRESSURE FUEL SYSTEMS.

#### CP7803 - Vacuum & Pressure Tester Kit

Easy-to-read, CP7803 3-1/2" black face displays  
0-30 inches vacuum and 0-10 psi.  
Complete with hose and adapters.

##### FEATURES

Use to check:

- Fuel pump pressure
- Mechanical condition of the engine
- Vacuum control system function
- For leaks in the intake manifold, head gaskets, piston rings, valves and vacuum lines



CP7802 has a 2-1/2" white face.

The display reads 0-30 inches vacuum and 0-15 psi.  
Complete with hose and adapters.

##### FEATURES

Use to check:

- Fuel pump pressure
- Mechanical condition of the engine
- Vacuum control system function
- For leaks in the intake manifold, head gaskets, piston rings, valves and vacuum lines



## SPECIFICATIONS

	Quantity	Weight	Dimensions	Barcode/UPC
CP7838 Case Pack	4	3 lbs	12.5"H 5.75"W 8.5"D	20021467078382
CP7838 Unit	1	.75 lbs	12.75"H 8.75"W 4"D	021467078388
CP7818 Case Pack	6	6 lbs	12.75"H 5.5"W 9"D	20021467078184
CP7818 Unit	1	1 lbs	12"H 5"W 1.5"D	021467078180
CP7817 Case Pack	4	3 lbs	12.5"H 5.75"W 8.5"D	20021467078177
CP7817 Unit	1	.75 lbs	12.75"H 8.75"W 4"D	021467078173
CP7803 Case Pack	6	4.5 lbs	12.75"H 5.5"W 9"D	20021467078030
CP7803 Unit	1	.75 lbs	12"H 5"W 1.5"D	021467078036
CP7802 Case Pack	6	4.5 lbs	12.75"H 5.5"W 9"D	20021767078023
CP7802 Unit	1	.75 lbs	12"H 5"W 1.5"D	021467078029

# VACUUM AND BRAKE BLEED

**CHECK VACUUM OPERATED COMPONENTS ON CARS AND TRUCKS,  
INCLUDING DISTRIBUTOR ADVANCE MECHANISMS, HEATER AND AIR CONDITIONING  
BAFFLES, PCV AND EGR VALVES, HEADLIGHT COVER DOORS,  
AND TRANSMISSION MODULATORS.**



## CP7835

Vacuum Pump Brake Bleed Kit (combination of CP7830 and CP7840)

Allows you to bleed brakes without the mess. Adapters included for all vehicle brake systems.

### FEATURES

- Rugged steel handle
- 24" hose
- Tapered barb adapters
- Tapered and 90° adapters
- Solid brass cylinder, cylinder head and piston
- Cushioned handle grips
- Use to siphon fluids
- Air sealing lubricant

## SPECIFICATIONS

	Quantity	Weight	Dimensions	Barcode/UPC
CP7830 Case Pack	4	6 lbs	12.5"H 5.75"W 8.5"D	20021467078306
CP7830 Unit	1	1.5 lbs	1.5"H 8.75"W 9"D	021467078302
CP7840 Case Pack	4	3 lbs	12.5"H 8.75"W 8.75"D	20021467078405
CP7840 Unit	1	.75 lbs	12.75"H 8.75"W 4"D	021467078401
CP7835 Case Pack	4	7.95 lbs	13.5"H 8.5"W 10"D	20021467078351
CP7835 Unit	1	2 lbs	13"H 4"W 9.5"D	021467078357
CP5101 Case Pack	tbd	tbd	tbd	20021467850636
CP5101 Unit	1	.25 lbs	7.75"H 5"W 1"D	021467850632

### CP7840 - Brake Bleed Kit

Allows you to bleed brakes without the mess.  
Use with CP7830 Vacuum Pump.

#### FEATURES

- Use to siphon fluids
- Tapered and 90° adapters
- Air sealing lubricant
- Adapters included for all vehicle brake systems.



### CP7830 - Hand Vacuum Pump

Check vacuum operated components on cars and trucks, including distributor advance mechanisms, heater and air conditioning baffles, PCV & EGR valves, headlight cover doors, and transmission modulators.

#### FEATURES

- Rugged steel handle
- Solid brass cylinder, cylinder head and piston
- 24" hose
- Cushioned handle grips
- Tapered barb adapters



### CP5101 - One Man Brake Bleeder

Removes air from brake system—one wheel at a time and eliminates the need for an assistant to help do the job. Adjustable to fit most bleeder screws and prevent leakage while keeping the hose in place.

#### FEATURES

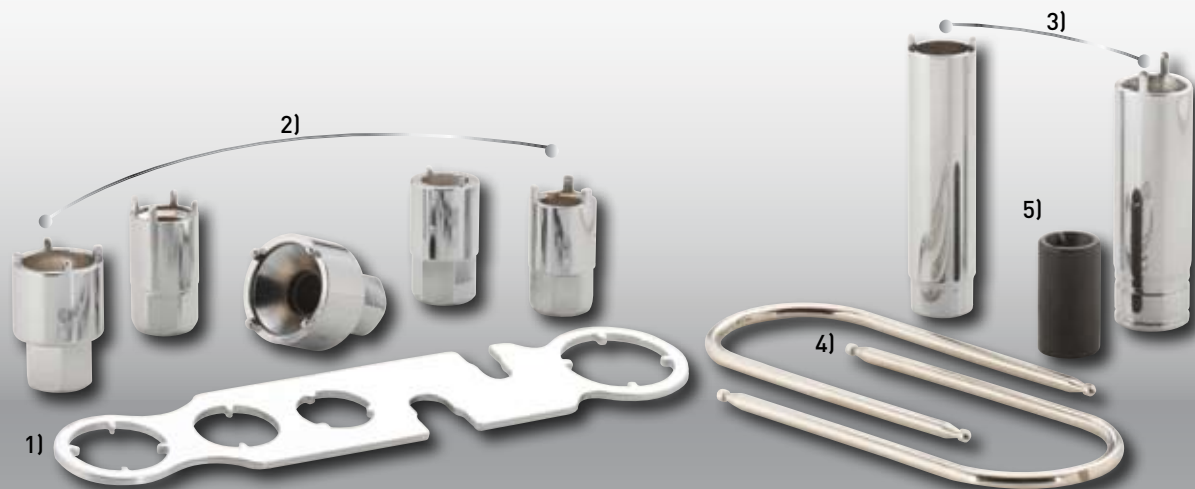
- Hose easily attaches to bleeder screw, which holds hose in place and prevents leaking
- Check-valve on end of hose prevents air from entering brake system when pumping brake pedal





## RADIO AND ANTENNA

**REMOVES MOST DOMESTIC RADIOS AND MOST DOMESTIC AND IMPORT RADIO ANTENNAS.**



### CP5022 - Radio and Antenna Socket Set

#### FEATURES

- Fits most antenna and bezel nuts- domestic and foreign
- Fits most Ford, GM and Chrysler tapered radio trim nuts
- Prevents antenna and radio damage
- Rugged steel construction for many years of use

#### CP5022 SET INCLUDES

- 1) • Universal antenna wrench
- 2) • Two, three and four prong antenna sockets (use with an 11/16 wrench)
- 3) • Two GM radio trim nut sockets
- 4) • Two Ford radio removal tools
- 5) • Chrysler tapered radio removal socket

### CP5023 - Antenna Wrench and Socket Set

- 1) • Universal antenna wrench
- 2) • Two, three and four prong antenna sockets (use with an 11/16 wrench)

### CP5025 - Radio Removal Set

- 3) • Two GM radio trim nut sockets
- 4) • Two Ford radio removal tools
- 5) • Chrysler tapered radio removal socket

### CP5024 - Antenna Wrench

- 1) • Universal antenna wrench



#### CP5021 SET INCLUDES

### CP5021 - Euro Radio Removal Tool Set

#### FEATURES

- Removes all anti-theft radios from radio mount
- Rubber coated handles

- 2 pc. DIN radio removal u-hooks (Ford/ VW/ Audi)
- 1 pc. special pentagon wrench (BMW)
- 2 pc. radio removal keys (New VW Beetle/ Audi)
- 2 pc. radio removal keys (Mercedes Benz)
- 2 pc. radio removal keys (VW)
- 1 pc. allen hex wrench (BMW)

## REMOVES DOOR PANELS, HANDLE CLIPS AND TRIM.

### CP5012 - Door Panel and Handle Clip Removal Set

Door panel tools will handle all styles of clips.

#### FEATURES

- Stainless steel heat treated blades with a high polished finish
- Ergonomic two component handles in a bright high -visibility colors
- U-notch and V-notch clip tools
- Window and door handle removal tool (also used for upholstery tucking).



### CP5013 - Small Clip Door Panel Removal Tool Set

The small trim and tack tools are designed to remove trim, molding, emblems, or any small prying jobs.

#### FEATURES

- Stainless steel heat treated blades with a high polished finish, and ergonomic two component handles in a bright high -visibility colors
- Small U-notch clip tool
- Small V-notch clip tool



### CP5011 - Panel, Trim and Molding Removal Set

Tools for easy removal of fastener, molding, wheel hubs, etc.

#### FEATURES

- For use on internal and external vehicle molding and trim fasteners
- Plastic construction of tools prevents scratching and damage to vehicle paint, leather, chrome, etc.
- Tools are made of plastic to prevent damage to trim, moldings, alloy wheels or vehicle paint
- Can be used on trim fasteners and moldings inside, or outside, the vehicle



### CP5102 - Fuel and Oil Line Disconnect Set

The most popular size GM, Ford and Chrysler vehicles.

#### FEATURES

- Tools are color coded for easy identification of size and use
- Black tool for 1/4" fuel lines
- Red tool for 5/16" fuel lines
- Gold tool for 3/8" fuel lines
- Blue tool for transmission lines



# REPLACEMENT TOOLS

CP5011 PANEL, TRIM AND MOLDING REMOVAL SET		CP5022 RADIO AND ANTENNA SOCKET SET	
CP5011-1	Wide molding remover	CP5022-1	2 prong 11/16" antenna socket
CP5011-2	Puller molding remover	CP5022-2	3 prong 3/4" antenna socket
CP5011-3	Narrow molding remover	CP5022-3	4 prong 3/4" antenna socket
CP5011-4	Molding remover	CP5022-4	4 prong 1" antenna socket
CP5011-5	Clip molding remover	CP5022-5	4 prong 1/4" antenna socket
		CP5022-6	1/4" drive Chrysler radio socket
CP5012 DOOR PANEL AND HANDLE CLIP REMOVAL SET		CP5022-7	2 prong 1/2" radio socket, 1/4" drive
CP5012-1	Door handle removal tool	CP5022-8	2 prong 5/8" radio socket, 3/8" drive
CP5012-2	V-notch clip tool	CP5022-9	Ford radio removal tools
CP5012-3	U-notch clip tool	CP5024	Antenna wrench
CP5013 SMALL CLIP DOOR PANEL REMOVAL SET		CP5023 ANTENNA WRENCH AND SOCKET SET	
CP5013-1	Small U-notch clip tool	CP5022-1	2 prong 11/16" antenna socket
CP5013-2	Small V-notch clip tool	CP5022-2	3 prong 3/4" antenna socket
		CP5022-3	4 prong 3/4" antenna socket
CP5102 FUEL AND OIL DISCONNECT SET		CP5022-4	4 prong 1" antenna socket
CP5102-1	Black for 1/4" fuel lines	CP5022-5	4 prong 1/4" antenna socket
CP5102-2	Red for 5/16" fuel lines	CP5024	Antenna wrench
CP5102-3	Gold for 3/8" fuel lines		
CP5102-4	Blue for transmission lines	CP5025 RADIO REMOVAL SET	
		CP5022-6	1/4" drive Chrysler radio socket
		CP5022-7	2 prong 1/2" radio socket, 1/4" drive
		CP5022-8	2 prong 5/8" radio socket, 3/8" drive
		CP5022-9	Ford radio removal tools

## SPECIFICATIONS

	Quantity	Weight	Dimensions	Barcode/UPC
CP5021 Case Pack	16	6 lbs	12.5"H 5.75"W 8.5"D	20021467850599
CP5021 Unit	1	.3 lbs	7.5"H 7.5"W 1"D	021467850595
CP5023 Case Pack	tbd	tbd	tbd	20021467850612
CP5023 Unit	1	1 lbs	11"H 5.5"W 1.75"D	021467850618
CP5025 Case Pack	tbd	tbd	tbd	20021467850643
CP5025 Unit	1	.25 lbs	7"H 5.5"W 1"D	021467850649
CP5024 Case Pack	tbd	tbd	tbd	20021467850629
CP5024 Unit	1	.25 lbs	10.5"H 4.5"W 1"D	021467850625
CP5022 Case Pack	tbd	tbd	tbd	20021467850605
CP5022 Unit	1	1.2 lbs	13.75"H 6.5"W 1.75"D	021467850601
CP5012 Case Pack	6	8.5 lbs	14.5"H 8.25"W 9.5"D	20021467850575
CP5012 Unit	1	1.25 lbs	12.5"H 7.75"W 1.75"D	021467850571
CP5013 Case Pack	6	4.3 lbs	13.25"H 5.25"W 9.5"D	20021467850582
CP5013 Unit	1	.55 lbs	12.75"H 1.75"W 4.75"D	021467850588
CP5011 Case Pack	tbd	tbd	tbd	200214670850568
CP5011 Unit	1	.75 lbs	12"H 10"W 2.25"D	021467850564
CP5102 Case Pack	tbd	tbd	tbd	20021467850650
CP5102 Unit	1	1.5 lbs	7.75"H 5"W 1"D	021467850656

## DIAGNOSTIC GLOSSARY

**ABS** - anti-lock braking system is a system on motor vehicles which prevents the wheels from locking while braking.

**CAN** - Controller Area Network: New on board diagnostics protocol which will be required on all new US vehicles in 2008. All Actron code readers and scan tools are CAN-compliant.

**Code Reader** - These tools are used to read, display, and erase diagnostic trouble codes and I/M monitors on OBD II & CAN compliant vehicles (CP9125, CP9410). Some code readers provide freeze frame and other additional functions (CP9175).

**Code Scanner** - OBD I tools which identify the diagnostic trouble code through a series of flashes and/or audible tones displayed on the dashboard and/or scanner for pre-1996 vehicles (CP9001, CP9015, CP9025).

**Drive cycle mode** - If the vehicle is not ready for emissions testing this alerts the driver the moment the vehicle is ready for emissions testing by checking the I/M Monitors in Real-Time.

**DTC** - Diagnostic trouble code: These codes reference the area of the vehicle that needs repair or replacement. DTCs are stored in the vehicle's computer, and help determine the cause of a problem or problems within the vehicle.

**Enhanced DTC / Manufacturer specific DTC** - DTCs which differ between manufacturers (Ford specific codes, GM specific codes etc.).

**Freeze frame data** - A snapshot of the vehicle's sensor information at the time an engine fault occurs.

**Generic DTC** - SAE regulated group of DTCs which are the same for every OBD II vehicle sold in the US

**I/M readiness monitor** - Inspection Maintenance Readiness Monitor

A vehicle must reach specific driving conditions before it is ready for an emissions test. I/M readiness monitor tells the driver "yes" the vehicle is ready for emissions testing or "no" it is not.

**LIVE sensor data** - A live view of the vehicle's sensor information while engine is running.

**MIL** - Malfunction Indicator Lamp, also known as the Check Engine Light. Used to indicate emissions related issues, and is triggered by DTCs stored in the vehicle's computer.

**OBD** - On board diagnostics: A system developed by the Society of Automotive Engineers (SAE) to standardize automotive electronic diagnostics.

**OBD I** - On board diagnostics protocol pertaining to pre-1996 vehicles, usually from model years 1982-1995.

**OBD II** - On board diagnostics protocol was implemented in some vehicles beginning in 1994; and has been required since 1996 on all new cars and light trucks sold in the US.

**PIDs** - Vehicle sensor parameters displayed by the tool (freeze frame or LIVE sensor data).

**Sensors** - Sensors help monitor, measure and control the performance of vehicles.

**Vehicle Information** - Includes your VIN or vehicle identification number and calibration identification.

**Scan Tool** - These tools are used to read and erase diagnostic trouble codes, display live sensor data, and perform other tests allowed by the vehicle manufacturer. This additional data helps the user determine the faulty component. Depending on the scan tool, they are used on OBD I, OBD II and CAN compliant vehicles. Actron's scan tool line consists of the CP9180, CP9185, CP9190.



---

Visit us at [www.actron.com](http://www.actron.com) or call 800-228-7667 for more information.

©2008. Actron. a business unit of SPX Corporation