

MUSCLETOOLS

Electronic Diagnostics | Special Tools | Shop Equipment | A/C Tools

Q2 2020 Edition

OTC ROBINAIR actron BOSCH

PROMOTIONS

All promotions valid 4/1/2020 - 6/30/2020, unless otherwise stated. Some restrictions may apply. For promotion details and to redeem, visit Boschrebates.com. Dated proof of purchase and/or serial number(s) required when registering for rebate. Must redeem within 30 days of promotion end date.

BUY AN OTC 6786 OIL FILTER CARTRIDGE SET AND 5961 DRAIN PLUG PRO, RECEIVE A FREE 4568 3-LEG OIL FILTER WRENCH

The ultimate oil change combination. Remove drain plugs without spilling hot oil

Buy an OTC 6786 oil filter cartridge set and OTC 5961 drain plug pro

Receive a free OTC 4568 3-leg oil filter wrench



6786 5961

✓ FREE 4568

BUY AN OTC 4496 HOSE CLAMP PLIERS SET AND 4597 HOSE CLAMP PLIERS WITH MEMORY, RECEIVE A FREE 8262 SHORT PICK AND HOOK SET

The ultimate hose removal combination

Buy OTC 4496 hose clamp pliers set and 4597 hose clamp pliers with memory

Receive a free 8262 short pick and hook set



4496

4597

✓ FREE 8262

BUY AN OTC 7302 BRAKE CALIPER PINBOLT REMOVER AND 7034 DISC BRAKE PAD SPREADER, RECEIVE A FREE 6596 BRAKE PAD GAUGE

The ultimate brake job combination. Remove stubborn caliper pins/bolts, retract calipers and measure brake pads

Buy an OTC 7302 brake caliper pin/bolt remover and 7034 disc brake pad spreader

Receive a free 6596 brake pad gauge



7302

7034

✓ FREE 6596

BUY AN OTC 8260M MASTER PICK AND HOOK SET OR 6299 5-PIECE PICKLE FORK SET, RECEIVE A FREE OTC RATTLIN' RAPALA LURE

The ultimate reward. Get the job done faster with OTC and cast a line

Buy an OTC 8260M master pick and hook set OR 6299 5-piece pickle fork set

Receive a free OTC Rattlin' Rapala lure



8260M

6299

✓ FREE OTC RATTLIN' RAPALA LURE

BUY AN OTC 6637-ST STRUT TAMER II, RECEIVE A FREE OTC 6296 PITMAN ARM / TIE ROD REMOVER

The ultimate shock/strut repair combination. Separate suspension components and compress springs with up to 4,000 lbs of force

Buy an OTC 6637-ST Strut Tamer II

Receive a free OTC 6296 pitman arm/tie rod remover



✓ FREE 6296

FREE 3210 RESET/MAINTENANCE TOOL OR 3209 ABS/AIRBAG TOOL WHEN YOU RENEW YOUR OTC DIAGNOSTIC SUBSCRIPTION

- Free 3209 with Encore software renewal
- Free 3210 with Evolve software renewal

Purchase
Encore 3893-LTW
1-year subscription and lifetime hardware warranty



Purchase
Evolve 3896-LTW
1-year subscription and lifetime hardware warranty



Receive FREE 3209 ABS/Airbag tool

✓ FREE 3209



Receive FREE 3210 Reset/maintenance tool

✓ FREE 3210



NEW

Connected ACS machines

The largest touchscreens on the most trusted A/C machines in North America



34998 Connected R-134a RRR machine

- › Meets or exceeds SAE J2788 standards for R-134a recovery
- › Two oil inject bottles; one dye inject bottle

AC1234-9 Connected R-1234yf RRR machine

- › Meets or exceeds SAE J2843 standards for R-1234yf recovery
- › Integrated refrigerant analyzer protects machine and vehicle system

Both machines feature:

- › Industry-leading 10.5" hi-res touch screen with easy-to-use controls
- › Wi-Fi® and Bluetooth® connectivity for wireless accessories and performance enhancements
- › Legendary Robinair quality, field and service support
- › Made in Owatonna, Minnesota, USA with global components
- › Built-in training videos and speaker with web access for more training and A/C service info
- › ACS-250 wireless VCI and 80212 Bluetooth temp probe compatible
- › Includes wireless software updates and refrigerant capacity database access*
- › Google Cloud Print(TM) with report export option for customers or insurance companies

* Annual purchase of refrigerant capacity database software card or Product Authorization Code (PAC) code required to download new capacity database



NEW

What wireless accessories fit my machine?

A/C Machine	A/C Capacities DB	Cover	Printer
34788, 34788-H, 34988	34411-K	17492	34988 only
34288NI, 34788NI, 34788NI-H	34412-E	17499	30038
34988NI	34412-E	17499	Included
34998	34001	17499	Google Cloud Print
AC1234-4	34413-C	17499	30038
AC1234-6	34414-A	17499	Included
AC1234-9	34002	17499	Google Cloud Print

Non-wireless A/C Machine Wireless Enabled A/C Machine

A/C Machine	VCI	Temp Probes	VCI	Temp Probes
34288NI, 34788NI, 34788NI-H, 34988NI	80211VCI	80211TMP	ACS-250*	80213 or 80212*
34998, AC1234-9	—	—	ACS-250**	80213 or 80212
AC1234-4	80211VCI	80211TMP	ACS-250*	80213 or 80212*
AC1234-6	—	—	—	—

All machines use 34724 filter and 13172 maintenance kit

*Use of ACS-250, 80212 or 80213 on NI or AC1234-4 requires machine first be WiFi/Bluetooth enabled using either 80211TMP or 80211VCI master kit

**Database purchase required for vehicle refrigerant capacity



NEW



NEW

80211VCI

Master kit + database

- › Enables WiFi and Bluetooth capabilities on NI and AC1234-4 machines
- › Wirelessly gather and transmit vehicle year, make and model info to your compatible Robinair machine
- › Includes current-year refrigerant capacity database to quickly determine correct refrigerant charge, oil type and oil capacity
- › Also reads generic OBDII codes to help troubleshoot A/C system issues

ACS-250

Robinair VCI

- › Wirelessly gather and transmit vehicle year, make and model info to your compatible Robinair machine
- › Works directly with 34998 and AC1234-9 connected AC machines; will work with NI and AC1234-4 machines if they have been WiFi/Bluetooth enabled
- › Requires purchase of refrigerant capacity database to show refrigerant capacity, oil type and oil amount
- › Also reads generic OBDII codes to help troubleshoot A/C system issues

Bluetooth temp probes

80211TMP

Master kit

80212

2-pack

80213

Single probe

- › Read and track temperatures from multiple locations from your A/C machine
- › 80211TMP master kit enables WiFi and Bluetooth capabilities on NI and AC1234-4 machines and includes 2 probes
- › Use up to 2 probes per compatible Robinair machine
- › 80212 / 80213 work directly with 34998 and AC1234-9 connected machines

Find leaks and diagnose system issues faster

Connected accessories, leak detectors, refrigerant analyzers and tracer gas detectors for R-134a and R-1234yf service



LD7 Premium refrigerant leak detector

- › Detects R-1234yf and R-134a leaks for use on most vehicles
- › Sweep, bar graph and line graph modes make finding leaks faster, easier
- › Features audible detection alert, UV LED lights for use with UV dye and inspection light
- › Sensor life up to 10 years for reliable leak detection
- › Available as LD3 and LD5 versions



NEW

LD9-TGKIT Tracer gas leak detector service kit

- › Use inexpensive Tracer gas instead of costly refrigerant to find leaks
- › Tracer gas is a 95% nitrogen, 5% hydrogen mixture and harmless to A/C systems
- › The LD9-TG detector sniffs out hydrogen, detecting leaks faster and at less cost
- › Kit includes 1234yf coupler, 134a coupler, Tracer gas detector, hose and Tracer gas regulator
- › Available as LD9-TG, Tracer gas detector only



16995 R-ID Plus refrigerant analyzer

- › Analyze R-134a and R-1234yf refrigerant for purity and contamination
- › Prevent contaminated refrigerant from being pulled into your machine
- › Includes printer to add refrigerant purity to service report
- › R-134a and R-1234yf tank adapter; R-134a and R-1234yf hoses included
- › Available as 16990 R-ID without printer

COMBINING SIMPLE OPERATION WITH SUPERIOR ACCURACY

These machines will test, recover and recharge R-134a and R-1234yf automotive A/C system quickly and accurately.

R-134a Systems

R-1234yf Systems



Features	34288NI	34788NI	34788NI-H	34988NI	34998	AC1234-4	AC1234-6	AC1234-9
Fully Automatic Function: Program to recover, vacuum, leak test and charge without operating panel valves.	Manual Valves	X	X	X	X	X	X	X
Automatic fluid drain/inject	Oil drain	Oil drain/inject*	Oil drain	Oil drain/inject, dye inject**	Oil drain/inject, dye inject**	Oil drain	Oil drain	Oil drain
Refrigerant & Oil Database: A/C system capacities for North American market vehicles (Optional – not included with the machine)	34412-E	34412-E	34412-E	34412-E	34001	34413-C	34414-A	34002
A/C System Flush: Flushes a vehicle's A/C system with refrigerant, eliminating any residual oil or other liquid. (Flushing adapters not included)	-	-	X	X	X	X	X	X
Save & print before and after service data: Allows the user to store before and after service information by vehicle and print this information to provide to a customer.	-	X	X	X	X	X	X	X
Visual & Audible Alarm: Notifies the user when service is complete, or if a problem has occurred.	-	X	X	X	X	X	X	X
Vacuum Leak Test: Monitors level after evacuation, informs of possible leak.	-	X	X	X	X	X	X	X
Automatic Air Purge: Eliminates system-damaging air without monitoring gauges or opening valves.	X	X	X	X	X	X	X	X
Automatic Refrigerant Refill: Maintains a user-selectable amount of refrigerant in an internal vessel and signals when it's time to change supply tank.	-	X	X	X	X	X	X	X
Vacuum Feature: Defaults to 15 mins, programmable up to 99 mins. "Remaining time" is displayed.	X	X	X	X	X	X	X	X
Multilingual display	4.3" color LCD	4.3" color LCD	4.3" color LCD	7" color LCD	10.5" hi-res touch screen	4.3" color LCD	5.7" color LCD	10.5" hi-res touch screen
Refrigerant Charging:	Low only	High, low or both	High, low or both	High, low or both	High, low or both	High, low or both	High, low or both	High, low or both
Refrigerant Management System: Displays refrigerant use and monitors remaining filter life. Prompts appear when 1/3 of filter life remains.	X	X	X	X	X	X	X	X
Electric Vehicle: Capable of servicing high voltage electric compressor A/C systems.	-	-	X	-	-	X	X	X
Printer	30038	30038	30038	Included	Google Cloud Print	30038	Included	Google Cloud Print
Bluetooth temp probes: Dual-zone temp recording and reporting	80211TMP	80211TMP	80211TMP	80211TMP	80212 or 80213	80211TMP	N/A	80212 or 80213
Bluetooth VCI: Reads YMME and refrigerant capacity	80211VCI	80211VCI	80211VCI	80211VCI	ACS-250***	80211VCI	N/A	ACS-250***

* One oil bottle. ** Two oil bottles and one UV dye bottle. ***ACS-250 requires purchase of 34001 or 34002 database to read YMME and display refrigerant capacity

New 2019 A/C system capacity databases

Vehicle Database Screens R-134a Vehicle A/C Refrigerant Database 2020

- Confirm A/C system charge capacities directly from your Robinair A/C RRR machine for R-134a and R-1234yf systems, sold separately.
- Includes charge amounts and component oil capacities for vehicle model years 1997-2020 using R-134a refrigerant and vehicle model years 2013-2020 using R-1234yf refrigerant.
- Database helps ensure the vehicle system is charged with the correct amount of oil, per factory and OEM specification

34001 – R-134a database for 34998 R-machine

34411-K – R-134a database for 34788, 34788-H and 34988 machines

34412-E – R-134a database for 34288NI, 34788NI, 34788NI-H and 34988NI machines

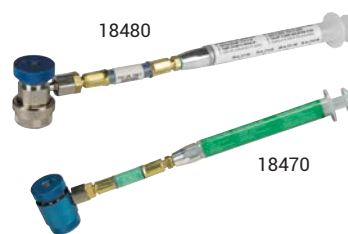
R-1234yf Vehicle A/C Refrigerant Database 2020

34002 – R-1234yf database for AC1234-9 machine

34413-C – R-1234yf database for AC1234-4 machine.

34414-A – R-1234yf database for AC1234-6 machine

Syringe-type Injectors



Use these syringe-type injectors to add oil to a fully pressurized A/C system. Fill the barrel with the amount of oil needed, connect the injector, and press the plunger.

18480 – R-134A oil injector, PAG labeled

18490 – R-134A oil injector, POE labeled

18460 – R1234YF oil injector, generic

18465 – R1234YF oil injector, PAG labeled

18470 – R1234YF oil injector, POE labeled

Not recommended for UV dye injection.

Manifolds and Hose Set



41234 R1234yf Aluminum Manifolds and Hose Set

- Easy-to-read 3-1/8" adjustable gauges.
- Durable aluminum manifold block with fittings.



45111 2-Way Brass Manifold R134a Manifold Hose Kit

- 90° manual couplers
- 72" R134a hose set

Unbeatable coverage for HD trucks, construction equipment and more



New & Improved Windows 10 Touchscreen tablet

Increase Shop Efficiency with the Bosch ESI[truck]

DPF regeneration, component actuation, special tests and automatic module identification for Class 4-8 trucks and more.

3824A

Truck, engine, and system coverage

- ▶ **Truck brands:** Freightliner, International, Kenworth, Mack, Volvo, Peterbilt, Sterling, Western Star, and more
- ▶ **Engine brands:** PACCAR, Perkins, Detroit Diesel-MBE, Mack, Navistar, Caterpillar, Deutz, MTU, and more
- ▶ **System coverage:** transmissions, brake systems, trailer ABS, exhaust treatment, and more

Expert-level diagnostics

- ▶ Automatic vehicle ID
- ▶ Fault code reading, reporting, clearing
- ▶ Diesel particulate filter (DPF) regeneration
- ▶ Cylinder cut-out
- ▶ Injector coding and trim files
- ▶ Key component actuations
- ▶ Special tests
- ▶ Vehicle parameter modifications

3824A-TBL

Heavy Duty Tablet Upgrade

- ▶ Everything you need to upgrade an existing 3824 ESI[truck] Tablet to the new and improved 3824A model.
- ▶ Windows 10 Touchscreen tablet



3824-08R

Troubleshooting & Repair Subscription

- ▶ Faster, more efficient heavy duty vehicle repairs
- ▶ 13,000+ procedures guide user through each step to troubleshoot vehicle issues
- ▶ Procedures by DTCs or by vehicle symptoms
- ▶ Technical Service Bulletins (TSBs) included

ESI[truck] Off-Highway Upgrade Cable Kit with Introductory Software License (3824CBL-UPG)

Add off-highway vehicle and machinery coverage for multiple manufacturers to your 3824 or 3824A ESI[truck] scan tool. Coverage included for:

- Construction equipment
 - Agricultural vehicles
 - Stationary engines
 - Street sweepers and more
- ▶ **Manufacturer coverage:** Caterpillar, John Deere, Kubota, Perkins, Volvo, Massey Ferguson, SISU, Deutz, Deutz-Fahr, MTU, and more
 - ▶ **System coverage:** Gearbox, HVAC, engine, steering, hydraulic systems, suspension, electronic modules, antipollution, central computer and more
 - ▶ **Diagnostic coverage:** Manual processes, diagnosis info, measurable values, component actuations, ECU data, parameter IDs (PIDs), calibrations and resets, system technical data, wiring diagrams, vehicle technical data and vehicle maintenance info

3824CBL-UPG

Kit contents:

- ▶ 10 cables for machinery, construction equipment, agricultural vehicles and more
- ▶ ESI[truck] off-highway software package with full diagnostic capabilities. Introductory off-highway software expires when your ESI[truck] heavy duty truck software expires
- ▶ Software renewals can be done simultaneously, ensuring continuous HD truck and off-highway vehicle coverage

3824-080HW

ESI[truck] Off-Highway 1-Year Software License

- ▶ 12-months of off-highway diagnostic coverage, including all coverage updates
- ▶ Used to renew initial software included with Off-highway upgrade cable kit with introductory software license



Ask your tool dealer about adding off-highway vehicle coverage to your ESI[truck]

NEW



NEW



For more information on software updates and off-highway coverage upgrades, visit www.BoschDiagnostics.com/Pro

Off-highway cable upgrade kit and off-highway software only compatible with 3824A, 3824 and 3824BSC ESI[truck] diagnostic tools. Not compatible with 3823 or 3823BSC diagnostic tools. Customer must first purchase Off-highway upgrade cable kit with introductory software (3824CBL-UPG) prior to purchasing or activating Off-highway 1-year software license (3824-080HW)

**AVERAGE DTC SCANS BELOW
60 SECONDS WITH QUICK-SCAN**

“*I feel like I’m
wasting my time
when I’m waiting
for the other
software to do
its job.*

- ANTHONY ANIELLO

Uncover the truth

Coverage

Comprehensive coverage from the world’s leading diagnostic brand.

Quick-Scan

All-systems DTC scan in an average of under 60 seconds.

 Repair-Source

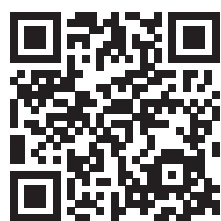
**FREE access to on-tool
service and repair
information***

OE wiring diagrams and repair information straight from the source and at your fingertips without leaving the shop floor.

*With valid subscription

Security requirements

Unlock 2018 / 2019
Secure Gateway protected
FCA vehicles seamlessly and
within seconds.



**Uncover the
truth at
Bosch-ADS.com**



BOSCH

Invented for life



\$500
Rebate

\$1,000
Rebate

Try the Bosch ADS, *risk-free*

Compare a Bosch ADS325 or ADS625 to your current scan tool for 30 days. Then, **YOU** get to choose to trade-in your old tool for up to a \$1,000 rebate or return your Bosch ADS for a full refund.*

Redeem the trade-in* rebate

- ▶ Purchase and register a Bosch ADS 325 or ADS 625 diagnostic tool during the Promotion Period
- ▶ Visit www.boschrebates.com to participate
- ▶ Must be redeemed with all required information on or before July 31, 2020
- ▶ Information required when applying for rebate:
 1. Bosch ADS 325 or ADS 625 diagnostic tool serial number for unit purchased and registered during Promotion Period
 2. Bosch ADS 325 or ADS 625 diagnostic tool proof of purchase (invoice / receipt) with part number and purchase date visible
 3. Photo and serial number for eligible professional scan tool trade-in
 4. Mail-in of eligible professional scan tool trade-in required

* Eligible professional diagnostic scan tools include most major brands and models manufactured year 2000 or later. Code readers/scanners do not qualify. Professional scan tool acceptance at Bosch's discretion. For more information, visit boschdiagnostics.com/pro/promotions.

Proof of purchase and/or serial number will be required when registering for promotion. Visit www.boschrebates.com for instructions for trade-in. Trade-in tool transaction is final and will not be returned. Valid for purchases made by qualifying end-users on eligible products during the Promotional Period. Promotion is not valid with any other promotions offered by Bosch Automotive Service Solutions Inc. Valid in US, the District of Columbia and Canada only. This promotion is void where prohibited, taxed or restricted. Allow four to six weeks after redemption approval for delivery of incentive. Terms and conditions apply. For full terms and conditions, visit boschrebates.com. Bosch reserves the right to alter or cancel this promotion at any time.

30-day money back guarantee

If you are not satisfied with your new Bosch ADS tool, return it back to Bosch for a refund.**
For more information about the 30-day money back guarantee, call 1-855-BOSCHTECH (1-855-267-2483)

** Offer valid on Bosch ADS 325 and ADS 625 tool purchases from January 1 through June 30, 2020. One return per customer. Bosch ADS tool must be registered, updated to latest version of software available and in like-new condition to qualify. Must call 1-855-BOSCHTECH (1-855-267-2483) and provide required information within 30 days of invoice date to start the return process. Refunded amount based on unit price, not to exceed published list price at time of return, plus applicable tax. Shipping, processing or other financial fees not included in refunded amount. Bosch not responsible for finance charges, payment plans. Leased tools and agreements not eligible. Promotion is not valid with any other promotions offered by Bosch Automotive Service Solutions Inc. Valid in US, the District of Columbia and Canada only. This promotion is void where prohibited, taxed or restricted. Bosch reserves the right to alter or cancel this promotion at any time.

3920 VET 100 Circuit Analysis Tool

Quickly identify electrical issues in failed circuits



3920

Bosch VET 100 Circuit Analysis Tool

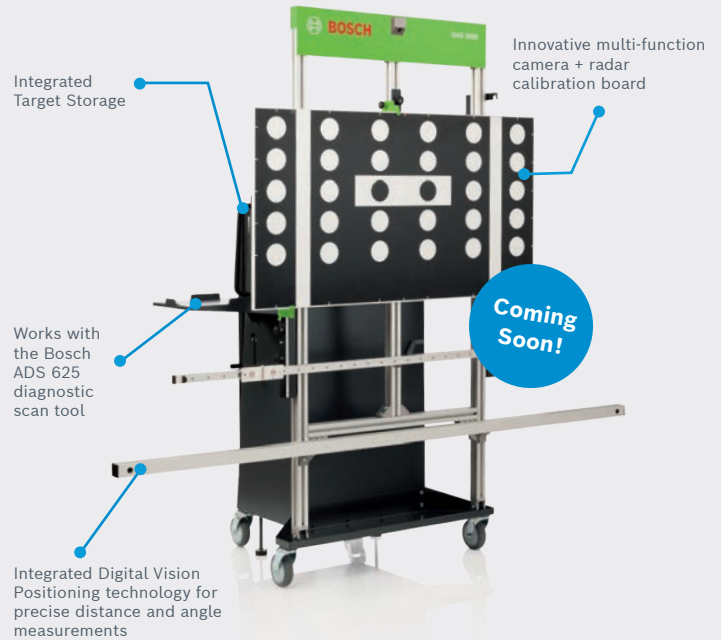
- ▶ Perfect tool for Data stream analysis using your scan tool
- ▶ Identify failed circuit component, wiring or PCM
- ▶ Simulates the sensor you are diagnosing by inputting a determined voltage at the sensor location
- ▶ Allows input voltage from .5VDC -7VDC in .5VDC increments
- ▶ Use your scan tool to verify if correct voltage is being applied to circuit
- ▶ Bypass sensor to send desired voltage back to PCM

Works on computer controlled components including:

- ▶ Camshaft sensors and Crankshaft sensors
- ▶ Throttle body sensors
- ▶ MAF sensors and MAP Sensors
- ▶ Temperature sensors
- ▶ Parking sensors
- ▶ ADAS sensors
- ▶ Oil pressure sensors
- ▶ Transducer based components
- ▶ EGR signal voltage up to 5VDC
- ▶ Acc pedal voltage up to 5VDC
- ▶ Works with 12V and 24V systems with vehicle voltage displayed. Also includes a "flashing" low battery voltage indicator

DAS 3000 ADAS Recalibration

Vision Positioning System automatically measures vehicle distances and angles-ensuring precise camera and radar calibrations



ADS 130 SmartScan Maintenance Scan Tool

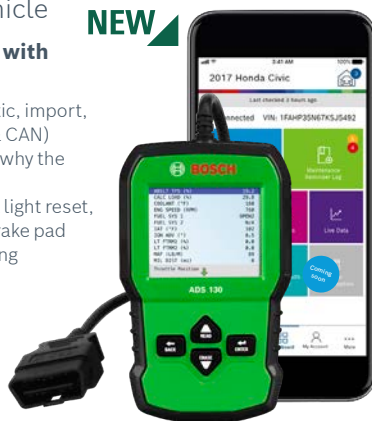
Diagnose and maintain vehicle

NEW

Includes FREE companion app with expanded features

- ▶ Works with 1996 and newer domestic, import, diesel and hybrid vehicles (OBD II & CAN)
- ▶ CodeConnect® Top Reported Fixes why the warning lights are on
- ▶ Maintenance Features including Oil light reset, battery reset, Brake fluid change, brake pad wear, caliper tract and brake bleeding
- ▶ Maintenance Interval Schedules
- ▶ Maintenance Reminders and Log
- ▶ Read and Erase Codes (Engine, Transmission, ABS & Airbag)
- ▶ View, Graph and Record live Engine Datastream

*Smart device not included



ADS 130

ADS 120 MobileScan™

Wireless Vehicle Diagnostics

NEW

All features included with FREE app

- ▶ Works with 1996 and newer domestic, import, diesel and hybrid vehicles (OBD II & CAN)
- ▶ CodeConnect® Top Reported Fixes why the warning lights are on
- ▶ Read and Erase Codes (Engine, Transmission, ABS & Airbag)
- ▶ View, Graph and Record live Engine Datastream
- ▶ Maintenance Interval Schedules
- ▶ Maintenance Reminders and Log

*Smart device not included

ADS 120



HDS 250 Heavy-Duty Scan Tool for Class 4-8 Vehicles

Ideal for heavy-duty shops as a second diagnostic tool and mobile repair trucks.

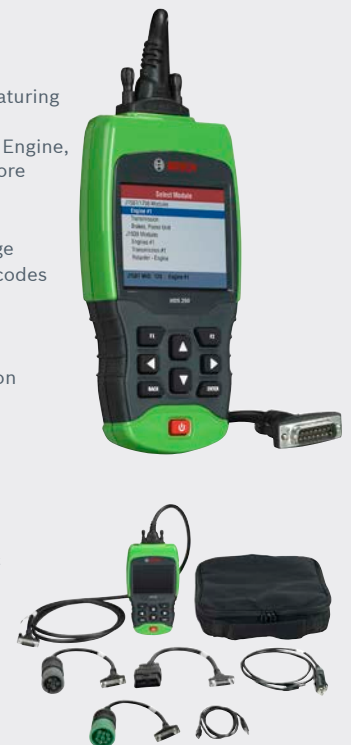
Cost-effective solution for aftermarket shops in need of heavy-duty coverage

HDS 250 Features

- ▶ Brilliant Color Display
- ▶ Rugged enclosure for durability
- ▶ Class 4 – Class 8 truck coverage featuring "Automatic Protocol Search"
- ▶ HD J1587 / J1708 and J1939 CAN, Engine, Transmission/ABS coverage and more
- ▶ Global OBD II Quick Test
- ▶ Works on 12V and 24V systems
- ▶ Gasoline and diesel engine coverage
- ▶ Read and clear diagnostic trouble codes
- ▶ Live vehicle data includes
 - Engine speed
 - Engine ECU temperature
 - Percent acceleration pedal position
 - Engine intercooler temperature
 - Engine coolant temperature
 - Battery voltage
 - Alternator voltage output
 - Ambient air temperature
 - Air inlet temperature
- ▶ On-screen definitions of diagnostic trouble codes

HDS 250 Includes

HD Scan tool, 9 Pin Deutsch Cable, 6 Pin Deutsch Cable, 16 Pin HD/OBD II Cable, USB Cable, Quick Start Guide, Carrying Case and 1-Year Warranty.



FUEL INJECTION TOOLS

7448A Canister-type Fuel Injector Cleaner

Simply and completely clean a vehicle's fuel system with the 7448A Fuel Injector Cleaner.

With the addition of a quick-connect fitting, the removable hose can be thoroughly cleaned for storage and extending the life of the product. An included blowout fitting adapts to shop air supply to remove residual cleaner from hose lines.

Fuel Injection Application Manual covers vehicles from 1997 through 2013.



4480 Basic Fuel Injection Service Kit

- Performs running, residual, rail and flow rate pressure tests.
- Kit includes adapters, hoses and fittings to test fuel injection systems.
- Kit includes two popular adapters for import vehicles as well as the GM TBI adapter.
- Professional dual scale gauge reads 0-100 PSI and 0-700 kPa with relief valve, fuel discharge hose and rubber boot.
- Packaged in blow molded carrying case.



6550 Master Fuel Injection Kit

Test fuel injection systems on most GMs, including GM TBI, Ford, Chrysler, and Jeep vehicles. Also works on imports, including CIS and CISE fuel systems.

- 0-100 PSI fuel pressure gauge.
- 35 of the popular OTC fuel injection adapters, each equipped with a quick-connect Schrader valve.
- '97 - '13 Fuel Injection Service Application Manual.
- Replacement seal kit also included.



6554 Fuel / AC Line Disconnect Kit

- Topside disconnects for AC and Fuel lines.
- Clips, disc, and scissor styles for broad applications.
- Hi-visibility line plugs included.



6550PRO Pro Master Fuel Injection Service Kit

Covers 100% of vehicles sold in North America '97-'13.

Perform fuel pressure testing, diagnose weak fuel pumps or restricted filters, test for fuel flow and perform leak-down tests. Use to clean injectors and intake systems. Kit includes:

- 0 - 100 PSI Fuel Pressure Gauge.
- 47 of the popular OTC fuel injection adapters, each equipped with a quick-connect Schrader valve.
- '97 - '13 Fuel Injection Service Application Manual.
- Replacement seal kit also included.



3054E Noid Lite/IAC Test Kit

Noid Lites are a proven test device to quickly determine if the electrical signal is present at the fuel injector.

- Just plug in and turn over the engine; flashing noid indicates good signal.
- Expanded set of eight Noid Lites cover: GM PFI, Ford TBI, Geo TBI, Bosch PFI, GM TBI, GM SCPI, and now new applications of Bosch 2 and Multec 2.
- Kit comes in molded plastic case and includes a harness extension that allows for convenient remote viewing from the driver's seat.



6500 Flexihead O2 Sensor Wrench

- Flexible head design assists in the removal of stubborn O2 sensors that are 7/8" in diameter, a common size to most vehicles.
- Features allow extensions or wrenches to apply force in tight areas, even on seized components.
- Pivots to allow more angles of placement.



✓ 5932-24 FREE WHEN PURCHASING 5900A-PLUS

5900A-PLUS Master Torx Bit Socket Set plus special 24mm External Torx® PLUS Socket

Updated 53-piece Master Torx Bit Socket Set plus special 24mm External Torx PLUS Socket required for Ford Super Duty pick-up beds starting model year 2017. Socket kit includes various sizes of Torx, Torx PLUS, Tamper Resistant Torx, Bit Sockets and External Torx Sockets in 1/4", 3/8" and 1/2" square drive. Convenient hard plastic clamshell case for protection and organization. Not rated for use with impact tools.

OTC Wire Service Tools

5912 Crimpswell™ Angled Crimping Pliers

- Universal crimping design accommodates soft wire - solid or stranded - 10-22 AWG.
- Cutting feature included for quicker preparation.
- 9" (228mm) in length, with protective grips to increase leverage and secure crimp.



5950A CrimPro™ 4-in-1 Angled Wire Tool

- Gripping nose.
- Compact 7-inch design.
- Crimper, 12-20 AWG insulated & non-insulated wire.
- Stripper - strips 12-20 AWG wire.
- Cutter - ability to make cuts both above and below pivot.



5950S CrimPro™ 4-in-1 Wire Tool

- Compact 7-inch design.
- Gripping nose.
- Crimper, 12-20 AWG insulated & non-insulated wire.
- Stripper - strips 12-20 AWG wire.
- Cutter - ability to make cuts both above and below pivot.



OTC Wire Service Tools

4470
**Butane-Power
 Flameless MicroTorch**
 Cordless 650° (1250°F)
 flameless heat. Refillable fuel
 cell uses standard butane lighter
 fluid (butane NOT included).



4472
**Cordless
 Solder Tool Kit**
 Includes: Soldering iron,
 conical tip 2.4 mm, chisel
 tip 2.4 mm, hot knife tip,
 deflector tip, sponge,
 wrench, and soldering wire.



4472-1 Soldering iron only.

4460
**2-Piece Electrical
 Connector
 Separator Tool**



4461
**Terminal Release
 Tool Set**



1/4" & 3/8"
Cable Cutters

4476 1/4" cable cutter.
4477 3/8" cable cutter.



4467
**Automatic
 Wire Stripper**

Comes with adjustable
 depth gauge (8mm to 12mm).



4468
**9" Self Adjusting
 Wire Stripper**

Strips insulating sheathing
 from wires ranging from
 10 ga. to 22 ga.



4813
**Heat Shrink Tubing
 Set (171 Piece)**

Protection and insulation
 for solder connections
 and components. 2 to 1
 shrink ratio with flame
 or heat gun.



4814
**Waterproof Heat Shrink
 Tubing Set (106 Piece)**

Waterproof protection
 and insulation on solder
 connections and components.
 Adhesive lined inner wall to
 seal out moisture. 3 to 1
 shrink ratio with flame or
 heat gun.



OTC Coolant & Brake Tools



6975
Vacuum/Pressure System Tester
 The 6975 Vacuum/Pressure System Tester can
 immediately diagnose leaks in pressure or vacuum
 systems. An integrated rear-mounted gauge provides
 optimal viewing with testing up to 30 PSI pressure and
 up to 28 in Hg vacuum.

Includes: Quick Dial Diagnostic Pump Tool,
 Silicon-like Hoses (3), Black Rubber adapters (2),
 Blue Plastic Adapters (8)



6976
Cooling System Refilling Gun
 The 6976 Cooling System Refilling Gun can eliminate
 airlocks during cooling system refilling and eliminates
 the need for system bleeding. Small and large rubber
 cones suit both passenger and commercial vehicles
 with no additional adapters needed.

Includes: Refilling gun with integrated hose assembly,
 Rubber adapter "stepped" for 1/2" to 1-1/2" diameter
 opening, Rubber adapter "stepped" for 1" to 2"
 diameter opening, Blow Molded Storage Case,
 Operating Instructions



6043
Cooling System Power Flush Gun
 Perfectly suited for quick and efficient cooling system
 flushing. Simply attach it to radiator or heater hoses
 and you're in business. Also usable in washing engines
 and even shop floors. Two simple connections: one to
 shop air and one to a typical water faucet. No. 6043
 creates a unique vortex air/water blast for powerful
 cleaning applications.

6616
GM Water Pump Holding Tool
 • Holds timing chain in place so water pump
 can be removed for service.
 • Special design allows easy installation
 regardless of timing chain orientation.
 • Simply remove access plate from front
 cover and install the tool.
 • Tool saves costly loss of timing on
 2002-2009 GM 2.2L and 2.4L EcoTech engines.



Cap Adapters NOT REQUIRED

6977
**Universal Cooling System
 Pressure Test Kit**
 A truly universal vehicle cooling system pressure
 tester kit.
 • Fits cooling system hoses from 1/4" to 5/8"
 • Fewer adapters can test more systems & test faster
 • Hand pump features large gauge and padded base
 to protect vehicle surfaces from scratching
 • 36" hose with quick-coupler adapter securely grips
 high-quality brass fittings
 • Includes radiator cap with quick-connect for
 older vehicles
 • Adapters use Schrader valves to prevent spray
 when disconnecting
 • 1/4", 5/16", 1/2" and 5/8" adapters with
 Schrader valves
 • Blow molded storage case
 • Covered by OTC's Lifetime Warranty.



6978
TestVac Vacuum Test Kit
 OTC 6978 Test-Vac Vacuum Test Kit allows fast,
 efficient testing and monitoring of many vacuum
 operated components and also allows one man brake
 bleeding. The new kit can help find vacuum leaks,
 test fuel, engine and exhaust valves, door locks, and
 heating/cooling system performance. Included in the
 kit are the vacuum pump, fluid container, transfer
 cap, hoses and fittings, packaged in a convenient
 blow molded storage case and covered by
 OTC's Lifetime Warranty.
Includes: Vacuum pump with integrated vacuum
 gauge, Fluid container with transfer cap, 2 lengths
 of vacuum hose, 12 assorted vacuum hose fittings,
 3 brake bleed fittings, Instruction Manual, Blow
 Molded Storage Case



2550
Key Fob Fixture

Used for removal and installation of the key blade pins in GM flip key fobs when replacing the fob and retaining the original key blade. Includes holding tray and drift pin for use with a hammer. Eliminates damage to all parts. Similar to BO-51098.



6556
Fuel Sender Lock Ring Wrench

Designed for removing the newly-designed 4-1/2" fuel sender lock ring on 2003 - 2011 Cadillac CTS, SRX and STS models. The lock ring requires high torque to loosen and tighten, requiring a specialized tool for service. Standard 3/8" square center drive hole for balance and maximum force available to remove and tighten. Similar to J-45747.



6702
Transmission Adapter Plate Bushing Replacer

Replaces the mount bushing on the transmission adapter plate. Adapter has a window for verifying the bushing position during installation, and is deep enough for bushing removal. Similar to DT-50839 & CH-50342.

Applications: 2013-Later Chevrolet Trax, Buick Encore



6743
Pump Seal Installer Set

A set of adapters for 2014 and later GM 6T30, 6T40, 6T45 and 6T50 6-speed transmissions found in Chevrolet and Buick FWD and AWD vehicles. The adapter set protects, installs and sizes the torque converter fluid seal ring into the stator support during unit overhaul. Includes a seal protector, seal installer and a seal sizer to ensure the seal is properly sized and positioned. Similar to DT-51191.



2551
Steering Column Anti-Rotation Pin

Installs into the steering column of most General Motors vehicles to keep the steering wheel orientation correct. Similar to J-42640.



6553
Connecting Rod Guides

Set of two connecting rod guides protect the crankshaft bearing surface from damage during piston and connecting rod removal or installation. Guides install onto the connecting rod after the cap is removed and help prevent nicking or scratching. Similar to EN-51454.

Applications: For use on rods with M8 X 1.0 threads.



6712
Axle Seal Protector

Protects seal from being cut or nicked, both of which can cause immediate or eventual leaks. Similar to J-44394-A.

Applications: 2011 and later drive axles on most GM vehicles.



6945
Parasitic Draw Test Switch

Test switch is used with an amp meter to isolate parasitic amperage draws on all GM vehicles or any vehicle with a side- or top-post battery. This tool attaches between the negative battery lead and the battery, then the vehicle road is tested. The next step is to connect an amp meter to each side of the switch, thereby allowing all available current to pass through the meter. Fuses are then removed one at a time until the circuit source of the parasitic draw is located. Similar to J-38758.

GM TOOLS



5267
Lift Pad Adapters, set of two

Lift pad adapters are used to properly lift most GM vehicle with a hoist or service jack. The adapters sit on the hoist or jack saddle and seat inside frame holes on GM vehicles to prevent saddle lip from damaging frames or subframes. Attempts to hoist-lift the vehicle without the 5267 may result in damage to the vehicle. Similar to J-43625.



6758
Front Crank Seal Installer

Installs the front crank seal with the cover on or off the engine. The bolt is threaded into the crankshaft and the nut is tightened to seat the seal. Similar to EN-50820 & EN48034.

Applications: 2013-14 Cadillac ATS, 2014 Cadillac CTS, 2013-14 Chevrolet Malibu, 2014 Chevrolet Impala and Buick Regal 2.0L and 2.5L engines.



6788
Pan Seal Cutter

Designed to separate oil pan seals, the cutter is pressed into the sealant and struck with a hammer to cut through the oil pan seals. Other methods may damage the oil pan and/or sealing surfaces. Similar to J-37228. Works on most vehicles.



6744
Tensioner Retaining Pin

Relieves the tension on the timing chain tensioner for camshaft, actuator, and timing chain service. Engages the tensioner arm and moves it forward to disengage the ratchet mechanism. Similar to EN-50837.

Applications: 2013-14 Cadillac ATS, 2014 Cadillac CTS, 2013-14 Chevrolet Malibu, 2014 Chevrolet Impala & Buick Regal 2.0L and 2.5L engines.



7378



7377



7379



7375

Accutorq™ Klikker Torque Wrenches

These precision torque wrenches make a loud click when you've reached the torque setting. They feature ratcheting heads, all-metal construction, permanently roll-marked scales, and knurled handle that enables you to firmly grasp the wrench for right- or left-hand torquing.

- Accuracy; +/- 3% CW, +/- 5% CCW.
- Includes molded plastic case.
- One-year warranty.

Tool No.	Torque Range	Graduations	Square Drive	Length
7375	100-1000 in.-lb (11-113 N•m)	10 in.-lb	3/8"	15-1/8"
7377	10-150 ft.-lb (14-203 N•m)	2 ft.-lb	1/2"	17-3/4"
7378	25-250 ft.-lb (34-339 N•m)	2 ft.-lb	1/2"	19-3/8"
7379	100-600 ft.-lb (136-813 N•m)	10 ft.-lb	3/4"	42-1/4"



7367

Torque Multiplier, 1100 ft-lb

- Drive Input; 1/2", 365 lb-ft Max
- Drive Output; 3/4", 1100 lb-ft Max
- Head Width; 2.9", 3.3:1 Ratio
- Reaction Bar; 13-3/4"
- Includes reaction foot.
- Note; frictional gear loss = 6%



4554

Torque Angle Gauge

- Required when servicing many late model engines that use torque-to-yield fasteners. Measures angle of rotation after pre-torque in torque-angle applications.
- The 360° scale is marked in 2° increments and intervals of 10° and 30°; easily zeroed for next application by turning the tool housing.
- Has 1/2" male and female square drives.



5776

Preset Torque Wrench Set

These color coded click torque wrenches are pre-set to the most common lug nut torque settings, making them perfect for tire shops. Highly durable design can hold up to the toughest tire shop demands.

- No need for adjustments
- Durable satin finish
- 1/2" Drive, 36 tooth
- Quick release ratchet head
- Perfect for Wheel / Tire shop
- Accuracy better than ±3% CW

Sold Individually:

- 5776-1** Preset Torque Wrench, 1/2" 65 lb-ft
- 5776-2** Preset Torque Wrench, 1/2" 80 lb-ft
- 5776-3** Preset Torque Wrench, 1/2" 100 lb-ft
- 5776-4** Preset Torque Wrench, 1/2" 120 lb-ft
- 5776-5** Preset Torque Wrench, 1/2" 140 lb-ft



7368

Torque Multiplier, 2200 lb-ft

- Drive Input; 3/4", 730 lb-ft Max
- Drive Output; 1", 2200 lb-ft Max
- Head Width; 3.6", 3.3:1 Ratio
- Reaction Bar; 15-5/8"
- Includes reaction foot.
- Note; frictional gear loss = 6%



7380-E150

Digital Torque Wrench

- Displays torque in real time and at peak when torque is released.
- Torque value accuracy is ±1% clockwise (CW) and counterclockwise (CCW) from 10%-100% of full scale.
- Can be used to measure bearing preload torque values.
- Display starts at 1% to 250% of full scale; has a 5-digit, alpha-numeric LCD, and indicator icons for functions, units and battery.
- Indicators include green, yellow and red LED light, an audible buzzer, and vibration.
- 1/4" Drive, 36 tooth ratchet head.
- Range 1.5 - 150 In Lb.



4568
Three-Leg Oil Filter Wrench

- Fits filters ranging from 2-1/2" to 5-1/4" (65 mm to 135 mm) in diameter.
- To turn the tool, use a 1/2" ratchet in the ratchet drive or a 13/16" wrench on the nut.
- Knurled legs provide extra gripping power.



4440
Heavy-Duty 3 Leg Filter Wrench Standard

- Self gripping design for true universal fit from 3" to 4-3/4".
- Heavy duty knurled leg design for extra grip and strength.
- 1/2" square drive with 21mm hex option.



4441
Heavy-Duty 3 Leg Filter Wrench Large

- Self gripping design for true universal fit from 4" to 6 1/2".
- Heavy duty knurled leg design for extra grip and strength.
- 1/2" square drive.



4582
Jointed Jaw Standard Filter Pliers

- Jointed jaws rotate 180 degrees providing access where standard pliers do not.
- Slip joint handle design provides a range from 2-1/4" to 4-3/4".
- Jaw teeth and cushioned handles provide maximum gripping power for slip free operation.



4562
Adjustable Oil Filter Pliers Set (4560 and 4561)

- Forged jaws with sure-grip teeth grab the filter for easy removal.
- Slip-joint ratchet and lock mechanism allows a secure grip on filter diameters of 2-1/4" to 7" (57 mm to 178 mm).



4560
Small adjustable oil filter pliers.

- Pliers is 13-1/2" long; fits filters ranging from 2-1/4" to 5" (57 mm to 127 mm) in diameter.

4561
Large adjustable oil filter pliers.

- Pliers is 18" long; fits filters ranging from 3-3/4" to 7" (95 mm to 178 mm) in diameter.



4584
Jointed Jaw Large Filter Pliers

- Jointed jaws rotate 180 degrees providing access where standard pliers do not.
- Slip joint handle design provides a range from 3-1/8" to 7-1/2".
- Jaw teeth and cushioned handles provide maximum gripping power for slip free operation.



4555



4556



4557

Heavy-Duty Oil Filter Wrenches

- Fit filters ranging from 4-1/8" to 5-3/4" (105 mm to 145 mm) in diameter.
- Feature a 1-1/2" wide steel band that can stand up to the high torque needed to remove filters from trucks, tractors, and other heavy equipment.
- Use with a 1/2" drive ratchet or breaker bar.

- 4555** **Heavy-Duty Oil Filter Wrench**
Fits filters ranging from 4-1/8" to 4-3/4" (104 mm to 120 mm) in diameter.

- 4556** **Heavy-Duty Oil Filter Wrench**
Fits filters ranging from 4-1/2" to 5-1/4" (115 mm to 135 mm) in diameter.

- 4557** **Heavy-Duty Oil Filter Wrench**
Fits filters ranging from 5" to 5-3/4" (125 mm to 145 mm) in diameter.

Swivel Handle Oil Filter Wrenches

- Fit filters ranging from 2-1/2" to 4-3/8" (73 mm to 111 mm) in diameter.
- Feature a 1" wide stainless steel band for positive grip on the filter; swivel handle makes it easy to turn filters in hard-to-reach areas.

- 4565** **Swivel handle oil filter wrench.** Fits filters ranging from 2-1/2" to 3-1/8" (64 mm to 80 mm) in diameter.

- 4566** **Swivel handle oil filter wrench.** Fits filters ranging from 3-1/8" to 3-3/4" (80 mm to 95 mm) in diameter.

- 4567** **Swivel handle oil filter wrench.** Fits filters ranging from 3-3/4" to 4-3/8" (95 mm to 111 mm) in diameter.



4565

4566

4567



7249 Ball Joint Starter Service Kit

- This starter kit is the backbone to ball joint, U-joint, anchor pins, and many other general pressing operations. Kit includes 5 adapters and C-Frame provided in a case.



7248 U-Joint Removing/Installing Tool

- This helpful tool uses a forcing-screw press to safely remove and replace automotive universal joints with needle bearings, including GM plastic pin CV U-joints.

Similar to Ford 205-086 (T74P-4635-C)



6736 Large C-Frame

- Required for use with No. 6735 Sprinter Van Ball Joint Kit.
- When used with OTC No. 6730 Update Kit, you can expand the applications of OTC Nos. 7249, 7918, 6529, 6539 and 6530 Ball Joint Kits.



6646 Lexus/Hyundai/Kia Ball Joint Adapter Set

This 4-adapter set is used in conjunction with the 7248 C-frame to remove and install ball joints on Lexus, Hyundai and Kia vehicles.

Set contains adapter part numbers 554413, 580570, 581426 and 38355A for use on:

Lexus	Hyundai
2006 GS300	2006-2011 Azera
2007-2011 GS350	2006-2010 Sonata
2006-2015 IS250	Kia
2016-2017 IS300	2007-2009 Amanti
2011-2017 IS350	



6649 Chevy/GMC Ball Joint Adapter Set

This unique 3-adapter set is used in conjunction with the 7248 C-frame to remove and install ball joints on Chevy and GMC vehicles. Set contains adapter p/n's 580524, 305227 and 580523 for use on 2011-2017 2500HD and 3500HD:

- Chevrolet Suburban, Avalanche and Silverado
- GMC Sierra and Yukon XL



6730 C-Frame Update Kit

Kit contains two adapters which, when coupled with the large C-frame 6736 included in OTC No. 8031 SUV Ball Joint Kit, make it possible to use any adapter designed for use with the smaller OTC No. 7248 C-frame.



6647 Lexus/Toyota Ball Joint Adapter Set

This 4-adapter set is used in conjunction with the 7248 C-frame to remove and install ball joints on select Lexus and Toyota vehicles. Set contains adapter part numbers 222307, 305227, 204508A and 580569 for use on:

- Lexus - 2003-2009 GX470
- Toyota - 2003-2017 4Runner, 2007-2014 FJ Cruiser



6651 Mazda CX7 & CX9 Ball Joint Adapter Set

This 4-adapter set is used in conjunction with the 7248 C-frame to remove and install ball joints on Mazda CX7 and CX9 vehicles. Set contains adapter part numbers 580585, 554413, 531739 and 554414 for use on 2007-2012 CX7 and 2007-2014 CX9.



6652 Subaru Ball Joint Adapter Set

This 3-adapter set is used in conjunction with the 7248 C-frame to remove and install ball joints on select Subaru vehicles. Set contains adapter part numbers 581996, 581995 and 581994 for use on:

- | | |
|-------------------------|--------------------------|
| • 2005-2006 Baja | • 2015-Present WRX |
| • 2016-2017 Crosstrek | • 2014-2015 XV |
| • 1998-Present Forester | • 2013-2015 XV Crosstrek |
| • 1993-Present Impreza | • 2006-2007 B9 Tribeca |
| • 1990-Present Legacy | • 2008-2014 Tribeca |
| • 2000-Present Outback | |



6653 Acura/Honda Ball Joint Adapter Set

This 4-adapter set is used in conjunction with the 7248 C-frame to remove and install ball joints on select Acura and Honda vehicles. Set contains adapter part numbers 580518, 554419, 554414 and 313967 for use on:

- 2009-2014 Acura TL and TSX
- 2008-2012 Honda Accord
- 2010-2011 Honda Accord Crosstour
- 2012-2014 Honda Crosstour



6648 Ford Transit Connect Van Ball Joint Adapter Set

This 4-adapter set is used in conjunction with the 7248 C-frame to remove and install ball joints on Ford Transit Connect Vans. Set contains adapter part numbers 580517, 580526, 581646, and 581647 for use on 2010-2013 Ford Transit Connect Vans.



6529MAN-17 Ball Joint Application Guide

Reference all ball joint adapter applications. Can be used with all ball joint kits and adapter sets.

- New application guide to cover Car and Truck/Van/ SUV makes and models thru 2017.
- References Bolt In/Press Fit, Removal/Install adapter p/n's, and replace control arm applications.
- Includes Remove/Install diagrams with adapter p/n's to eliminate guess work.
- Quick Reference Chart to quickly determine if tools are required and which kit contains them.



7180 Universal Bearing Cup Installer

This handy, adjustable tool is designed to install wheel-bearing cups in a wide range of heavy-duty axles. Simply adjust and lock the jaws to the cup I.D., slip on the new cup, set it in the bore, and drive it in with a hammer. The tool helps eliminate the damage caused by makeshift methods.

- Works on axles from 11,000 to 50,000 lb. capacity.
- Adjusts to fit 3-5/8" to 6-1/2" O.D. bearing cups, which adds up to as many as 30 individual drivers.

- 52038 Replacement jaw.
- 207561 Replacement retaining spring.



5038 Brake Anchor Pin & Bushing Service Set

With the No. 5038, there's no need to remove the bearing hub assembly just to replace the pins and bushings on 16-1/2" S-cam trailer and tractor "Q" brake systems. Much less complicated and time consuming!

- Special tooling and our C-frame press get you past the hub assembly, so you can do the job quickly and professionally without damaging other parts.
- Includes everything needed for removal and replacement.



5081 S-Cam Air Brake Spring Tool

- Eliminate makeshift methods of unhooking and reconnecting retaining springs when replacing brake shoes on heavy-duty tractors and trailers.
- Simply hook the retaining spring loop and press down. Lever action against the axle makes the job a snap!

- 314548 Replacement hook kit.



5080A Truck Front Leaf Spring, Pin, and Bushing Service Set

- Delivers 10 tons of hydraulic force to remove and install truck front spring eye bushing assemblies quickly and easily.
- Services bushings with diameters from 1-1/4" through 1-7/8", and pin diameters from 7/8" through 1-1/8". Handles all popular OE and aftermarket components, including Horton pin and bushing assemblies.
- Service bushing assemblies, in many cases, without removing leaf spring hangers and spring assemblies from the vehicle.
- All accessories are included except the hydraulic hand pump and hydraulic hose which must be purchased separately.



5085 Hub Oil Seal Puller

- Eliminates bearing and hub damage that can occur when a punch and hammer is used to remove the seal.
- Extra long 28" handle provides leverage, unique pulling head design quickly and easily removes the seal in one piece.
- Built from the highest quality heat-treated steel.
- Removes hub seals on trailer and truck axles, including truck steering axles.



7077 Axle-Stud Cone Pliers

Now you can easily remove the tapered cone from studs used on the rear axles of medium and heavy-duty trucks. This specially designed tool gives you the leverage needed to expand the cone and remove it from the stud for axle removal.

5052 Slack Check

- This tool enables you to quickly check the brake adjustment on class 7 and 8 trucks and trailers having S-cam brakes. It features a sturdy, four-position handle to provide the leverage you need at the proper angle.
- Works on manual or automatic slack adjusters.



Slack Adjuster Pullers

These pullers will yank even the most corroded slack adjuster off the S-cam— and do so in just a fraction of the time needed with "heat and beat" methods. Plus, they won't damage components. Both pullers have a rugged forcing screw and cast steel body. Puller No. 5055 fits many manual types, and the No. 5056 works on Rockwell, Haldex, Gunite, and Bendix automatic adjusters.

- 5055 Manual slack adjuster puller.
- 5056 Automatic slack adjuster puller.



5054 Air Brake Service Kit

This kit has the tools needed to remove slack adjusters and push-rod clevis pins used in the S-cam brake systems of class 7 and 8 vehicles.

- Works on manual or automatic slack adjusters.
- Includes Nos. 5055 and 5056 slack adjuster pullers, 5057 brake clevis pin press, and a plastic storage case.



5057 Clevis Pin Press

Removing corroded clevis pins from a brake air-chamber push rod can be a maddening and time-consuming task— unless you're using our clevis pin press. This handy screw-operated tool applies the force just where it's needed. The pin is easily removed from its hole without damaging nearby components.



5089 Air Brake Line Release Tools

Tools used to separate connectors on the P/S system and EGR coolers without damage. Also works on connectors on other liquid and air lines. Each tool has two sizes. 3/8" and 5/8"; 1/2" and 3/4". Similar to J-45666 & J-42971.

Applications: 2003-Later Medium Duty trucks.

Power Train Lifts

- These lifts will handle engine and transmission assemblies, gas tanks, drive axle assemblies, engine/transaxle assemblies, electric vehicle batteries, and more.
- Scissors-type design allows access to all four sides of a component.
- Two independent adjusting screws tilt the table $\pm 15^\circ$ side-to-side, or fore and aft. Can be operated manually or with non-impact air wrench.
- 20" x 32" table.
- 8" swivel casters provide enhanced mobility under heavy loads.
- ANSI/PALD compliant.

5285

Power train lift (1,650 lb. Capacity)

Air / hydraulic operation – Foot control pump with hose allows movement around lift.

- Min. height is 31-1/2"; Max. height is 74-1/2".
- Footprint 33" wide x 48" long.

1595A

Power train lift (2,500 lb. Capacity)

Powered by an Air/Hydraulic pump.

- Smooth, steady lifting and lowering motion.
- Min. height is 29"; Max. height is 80"
- Footprint 31" wide x 50" long.



5285 extended

Casters provide a 9-1/2" clearance on lower frame



5285 collapsed

5295

Powertrain Lift (1,760-lb capacity)

The sliding split table top design of this powertrain lift allows for separation of the engine/transmission assembly or hybrid engine/generator module, making service easier. The unique design also helps handle removal and installation of electric vehicle batteries, fuel tanks, suspension systems and other powertrain assemblies. A generous ground clearance allows for floor crane access while a low collapsed height aids in servicing large components while still on the lift. The table tilts to help properly align components to the vehicle during installation and threaded holes in the tabletop accommodate future adapters and powertrains.

- Similar to GM lift P/N GE-52200 and Honda lift P/N HON52200.



5295 extended

2002_628 Muscle Tools Q2 2020 edition, Printed in U.S.A.

1580

1,500 lb. Capacity Easy Roller™

- Provides simple and efficient method of moving a disabled vehicle around a shop environment.
- Fits tread widths up to 12".
- 4 heavy-duty phenolic casters.
- 1,500 lbs. capacity per unit.
- Hydraulic lift mechanism with locking pin.



1580 (sold individually)



1590

10-Ton Air Lift

- Adjustable lifting saddles and an extra wide stance for extra stability.
- 10 tons of lift at 200 PSI air pressure.
- Lifting range is 13" to 52".
- Automatic mechanical safety catch engages in five height positions.



1585A

Power Train Lift 1,250 lb. Capacity

- For easy removal and installation of engine/transaxle assemblies on FWD vehicles. Also handy for pulling rear ends, leaf springs, and more.
- Includes 4020 air/hydraulic pump.
- Your shop air supply is the only thing you need to get the precise control.
- Width between wooden support blocks is adjustable from 0–29". Load is secured with a tough nylon strap.
- Covered by OTC Lifetime Warranty®.

1591B

10-Ton Combination Air Lift and Support Stand

- 40" removable handle and 8' air hose.
- Capacity – 10 tons (at 200 PSI air).
- Stroke – 10-7/8".
- Minimum height (unpinned, no extension) – 18-1/4".
- Maximum height (pinned in top hole, with extension) – 51-1/4".
- Covered by OTC Lifetime Warranty®.



1572

Car Dolly (3,600 lbs., capacity pair)

- Innovative patent-pending design – clamps directly to pinch welds to prevent slippage during use.
- Independent units eliminate the need to adjust dolly width for different vehicle designs.
- Each unit has an independently adjustable threaded lift saddle with rubber pads to protect the vehicle frame.
- Universal design for use on all vehicle types without additional adapters.
- Provides easy movement of FWD vehicle after removal of drive train.
- The material on the 5" casters is polypropylene.
- Each unit has 1,800 lbs. capacity (3,600 lbs., pair) with low height of 9" and high of 14".
- May be used with or without tires on vehicle.