

ATD®



DIAGNOSTICS

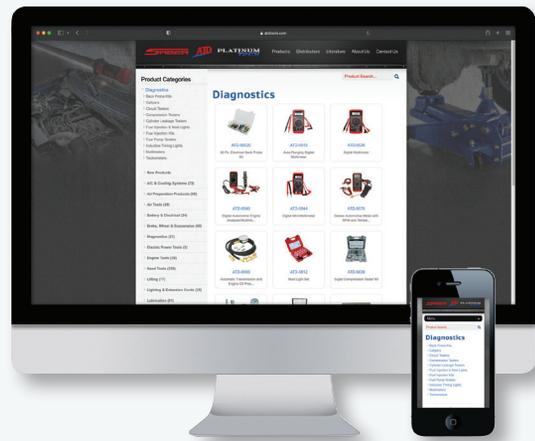
www.atdtools.com



Since 1977, ATD Tools, Inc. has focused on providing professional automotive tools and equipment at competitive prices. After over forty years, we are still committed to providing the quality tools you need at a price you can afford.

Our tools and equipment are quality control tested at the manufacturer, by independent labs and in the field to ensure they meet the performance and durability professional mechanics demand today and will continue to demand for years to come.

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Visit us online at www.atdtools.com to view the full line of products available.

A pdf version of this catalog along with other informational pdf files are available online under the "Literature" tab.



ATD-5567 FUEL INJECTION PRESSURE TESTER

Features:

Basic fuel injection tester includes large and small Schrader adapters, M6-1.00 O-ring adapter and tee manifold. Includes everything needed to test the following systems:

- American Motors, Bosch AFC, MPC European and Japanese (except CIS)
- Chrysler Corporation
- Ford Motor Company
- GM (except TBI)
- Japanese fuel injection systems and other Bendix-type fuel injection systems
- Schrader-type valve, including the small valve found on multi-port systems on Ford
- 2-1/2" gauge has dual scale dial with ranges from 0-100 psi and 0-7 BAR



ATD-5578 MASTER FUEL INJECTION PRESSURE TEST KIT

Features:

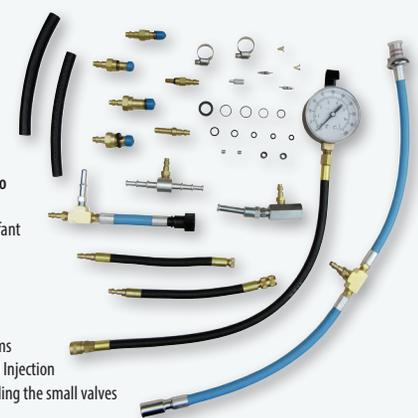
- Tests most fuel injection systems both foreign and domestic
- Features (2) gauges with gauge protectors for accurate testing from 5-150 psi
- Includes late model GM, Chrysler, Mitsubishi and European applications
- Large 3-1/2" gauge with dual reading of 0-150 psi and 0-1,000 KPA
- Low pressure 2-1/2" gauge for an accurate reading below 15 psi
- All adapters, gauge and hose assemblies feature a quick coupling system for fast and efficient testing connection
- Uniquely designed relief valve relieves the pressure and the fuel safely
- Allows checking for sufficient fuel flow
- No need for wrenches or pipe dope
- Complete with instruction manual
- Molded storage case included



ATD-5633 BASIC FUEL INJECTION PRESSURE TESTER

This set includes everything to test the following:

- Bosch AFC, MPC, Digijet / Digifant - except CIS
- Chrysler Corporation
- Ford Motor Company
- General Motors - except TBI
- Japanese Fuel Injection Systems
- Others using Bendix-type Fuel Injection or Schrader-type valve, including the small valves found on Ford products
- 2-1/2" gauge has a dual scale dial with ranges from 0-100 psi and 0-7 BAR
- Quick coupler connection at end of gauge hose
- Hook-on gauge enables the technician to hang up gauge and hose assembly to free hands
- Has a multitude of adapters, banjo bolts and 16" gauge hose assembly
- Adapter guidebook included



ATD-5549 DELUXE FUEL INJECTION PRESSURE TEST SET

Features:

- 3-1/2" gauge has a dual scale dial with ranges from 0-100 psi and 0-7 BAR
- 6 ft. of tubing and relief valve to relieve pressure
- 4 ft. gauge and hose assembly with hook can be hung up to free the technician's hands
- The many adapters, hoses and fittings cover most fuel injection systems worldwide (including CIS and TBI)
- Quick coupler connection at end of gauge hose
- Adapter guidebook included
- Molded storage case included



ATD-5650 MASTER GLOBAL FUEL INJECTION PRESSURE TEST KIT

Features:

- Covers all major model vehicle platforms, domestic and foreign, 1988 to present (does not include CIS/TBI)
- Test gauge assembly disconnects from test hose and valve assembly for easier storage and improved gauge protection
- The redesigned fuel line tee can accommodate 3/8" hose sizes in addition to 1/4" and 5/16"
- Contains longer tee adapter to cut test hoses for easier connections
- Neoprene boot for ultimate protection of test gauge and vehicle finish
- Neatly organized molded storage case with marked adapters for easy cross-reference to the adapter guidebook
- Case contains a hinged lid compartment to easily store hose assemblies
- In-depth guidebook gives detailed vehicle model adapter information



ATD-5573A 2 GAUGE CYLINDER LEAKAGE TESTER

Features:

- New design incorporates a round, anodized body with permanent laser etching for a sleeker appearance
- New industrial interchange quick coupler allows use with most standard compression test adapters on the market (some adapters require removal of the valve core)
- New larger, easier to read leakage gauge has one multi-colored band for measuring low, moderate and high leakage, and a scale range from 0-100% with a redesigned gauge boot for added protection
- New larger, easier to read pressure gauge has a dual scale dial with ranges from 0-100 psi and 0-7 BAR with a redesigned gauge boot for added protection
- .040 Orifice to restrict airflow into the combustion chamber
- 2 gauge design allows for monitoring of input air-line pressure to ensure accurate testing
- Easy to use regulator allows for precise control of input air pressure
- Helps to pin-point problems indicated by a compression test or cylinder balance test
- Uses shop air to determine leakage source and the amount of leakage measured in percentage of loss
- Reducer adapter allows use of any 1/4" male quick connect plug

Includes:

- New M14 short thread adapter on a 26" hose assembly
- 1/4" female x 1/8" male reducer adapter
- M14 long thread solid adapter



ATD-5639 SUPER COMPRESSION TESTER KIT

Features:

- Tests compression on all major model vehicle platforms, domestic and foreign with gasoline engines, including mini engines
- Quick coupler connection on gauge assembly for fast and easy changing of hose and adapter assemblies
- 2-1/2" gauge has dual scale dial with ranges from 0-300 psi and 0-21 BAR
- Easy push-button deflator for fast service
- Rubber gauge boot for added protection

Includes:

- Small engine tester with heavy-duty hose
- M14 flexible hose adapter with short thread
- M14 flexible hose adapter with long thread
- Instructions and labeling that clearly identifies each product
- Molded storage case
- M18 solid long reach adapter
- M10 and M12 solid adapters
- M18 flexible hose adapter with short thread

ATD-5659 UNIVERSAL COMPRESSION TESTER

Features:

- For gasoline engine compression testing on domestic and foreign cars and trucks
- Screw-in adapters with O-rings provide professional accuracy
- Adapters included: 14mm and 18mm short solid, 14mm and 18mm long flex and 14mm long reach
- Long flex 12" hose and adapters eliminate having to remove engine accessories to test compression
- Side release valve allows quick re-testing of cylinder without removing adapter
- 2-1/2" gauge has dual scale dial with ranges from 0-300 psi and 0-21 BAR



ATD-5682 HEAVY-DUTY GLOBAL DIESEL COMPRESSION TEST SET

Features:

- Includes many of the most popular adapters for testing major model heavy-duty trucks and equipment
- 2-1/2", 0-1000 PSI gauge with easy to read red and black graduations
- Contains tester and all the most popular adapters needed to test heavy-duty trucks and equipment
- Adapters to test Cummins, Bedford, Case, Caterpillar®, John Deere®, Fiat Allis, Ford Tractor, GMC, Hino Trucks®, International and Navistar, Isuzu, Mack, Massey-Ferguson, Mercedes, Mitsubishi-Fuso, Onan, Scania, Volvo, Wisconsin and others
- Molded storage case included



ATD-5685 LIGHT-DUTY TRUCK DIESEL COMPRESSION TESTER

Features:

- Test compression on Dodge Cummins, Ford Power Stroke, GM Duramax and virtually every light-duty diesel truck on the market
- 16-1/2" wire reinforced hydraulic hose has a swivel end quick coupler for easy connection to adapters
- The gauge has a dual scale (0-1000 psi / 0-72 bar) easy to read red and black dial
- Tester resets to zero with a push-button release valve
- (12) Compression Test Adapters included for the following applications:
 - Cummins/Dodge 5.9L 12V & 24V
 - Ford/Navistar 7.3L, 6.0L, 6.4L, 6.7L, T444E, VT365
 - Sprinter/Mercedes 2.7L, 3.0L
 - VW, Mazda, Nissan-UD, Cat-Perkins, Kubota, Isuzu, Hino, Toyota
 - Other Engines Utilizing M10 x 1.0, M1- x 1.25, M14 x 1.25, M 12 x 1.25 M8 x 1.0



ATD-3300 UNIVERSAL COOLING SYSTEM PRESSURE TEST KIT

Features:

- Quickly reveals external cooling system leaks
- Detects internal engine leaks caused by blown head gaskets and/or cracked block or heads
- Fits most popular domestic, import cars and trucks

Includes:

- Hand pressure pump with color coded 0-35 psi gauge and push-button pressure relief valve
- Temperature gauge
- (4) Chromed steel cap adapters
- (8) Anodized aluminum cap adapters
- Instructions
- Storage and carrying case



ALREADY OWN THIS KIT? UPDATE YOUR ADAPTERS WITH ATD-3305 KIT.

ATD-3301A MASTER COOLING SYSTEM PRESSURE TEST & REFILL KIT

Features:

- Quickly reveals external cooling system leaks
- Detects internal engine leaks caused by blown head gaskets and/or cracked block or heads
- Easily test entire cooling system including radiator, heater core and radiator cap
- Vacuum purge and refill kit to refill cooling system and eliminate air pockets

Includes:

- Hand pressure pump with color-coded 0-35 psi gauge and push-button pressure relief valve
- Temperature gauge
- (3) Chromed steel radiator adapters
- (16) Anodized aluminum radiator adapters
- (1) Universal radiator adapter
- (2) Radiator cap test adapters
- 3 Pc. Vacuum Purge and Refill Kit
- Storage and carrying case
- Instructions



ATD-3302 25-PC. MASTER COOLING SYSTEM PRESSURE TEST KIT

Features:

- Quickly reveals external cooling system leaks
- Detects internal engine leaks caused by blown head gaskets and/or cracked block or heads
- Easily test entire cooling system including radiator, heater core and radiator cap

Includes:

- Hand pressure pump with color coded 0-35 psi gauge and push-button pressure relief valve
- Temperature gauge
- (3) Chromed steel radiator adapters
- (18) Anodized aluminum radiator adapters
- (2) Radiator cap test adapters
- Instructions
- Storage and carrying case



ATD-3305 10-PC. COOLING SYSTEM PRESSURE TEST ADAPTER UPDATE KIT

Features:

- 10 pc. adapter update kit to use with ATD-3300 test kit
- Detects internal engine leaks caused by blown head gaskets and/or cracked block or heads
- Easily test entire cooling system; including radiator, heater core and radiator cap
- Kit includes (8) radiator adapters and 2 radiator cap test adapters to fit the most popular domestic and import cars and light trucks

Includes:

- (8) Anodized aluminum radiator adapters
- (2) Radiator cap test adapters
- Instructions
- Storage and carrying case



ATD-3306 COOLING SYSTEM REFILL & PURGE KIT

Features:

- Quickly purge and refill entire cooling system
- Eliminates need for bleeding and purging system to eliminate air pockets
- Universal adapter for use on most car and light truck radiators

Includes:

- Vacuum purge and refill tool
- Universal radiator adapter
- Coolant hoses
- Instructions
- Storage and carrying case



ATD-3307 HEAVY-DUTY COOLING SYSTEM PRESSURE TEST & REFILL KIT

Features:

- Remove the complications that often result from unreliable rubber plugs or bladders with our heavy-duty cooling system pressure test and refill kit
- Uses shop air to hold continuous pressure in the cooling system during testing and refill
- (5) Quick disconnect vacuum attachments provide quick refilling of the cooling system and eliminate air pockets

Includes:

- Heavy-duty vehicle adapters
- Pressure test regulator
- Vacuum refill attachment with tubing
- Instructions
- Storage and carrying case





ATD-5550
AUTOMATIC TRANSMISSION AND ENGINE OIL PRESSURE TESTER

Features:

- Checks oil pressure in automatic transmissions and gasoline engines
- Tests major model domestic and foreign cars and light trucks
- More accurate than dashboard oil pressure gauges
- 6 ft. of nitrile (oil proof) hose to make testing easier
- Standard and metric fittings
- 2-1/2" gauge has dual scale dial with ranges from 0-300 psi and 0-21 BAR



ATD-5556
POWER STEERING AND RACK TESTER

Features:

- Handy diagnostic tool for rack problems takes the guesswork out of power steering analysis quickly and accurately, by detecting defective power steering pumps and gears and kinked or clogged lines
- Quickly points out if trouble is in front suspension or steering linkage
- Includes most adapters needed to test domestic cars and light trucks and some imports
- Dual 2-1/2" easy-to-read gauge records pressure from 0-2,000 psi and 0-140 BAR



ATD-5595
INDUCTIVE TIMING LIGHT

Features:

- Inductive pick-up clamps over the spark plug wire - no adapters required
- Precision focused flash tube for concentrated brilliant light
- Removable/replaceable 4' leads
- Designed for all 12V systems - reverse polarity protected
- Field replaceable flash tube
- Trigger switch prolongs tube and circuit life

ATD-5598
SELF-POWERED INDUCTIVE CLAMP TIMING LIGHT

The original battery powered timing light, built with quality to last. There's no need to connect to a 12V battery for power. Unit is powered by (2) D cell flashlight batteries and is a great tool for marine, snowmobile, industrial, racing engines and other small engine timing.

Features:

- Accurate up to 14,000 rpm
- For 2 or 4 cycle engines and all ignition systems
- Protective sleeve withstands high temps (1,200° F)
- Standard lead length 4 ft.
- Bright flash at all speeds



Also Available:

- ATD-5598-10 - Battery powered timing light with 10' lead
- ATD-5598-20 - Battery powered timing light with 20' lead
- ATD-5598-30 - Battery powered timing light with 30' lead



ATD-5608
QUICK CHANGE AUTOMATIC TRANSMISSION & ENGINE OIL PRESSURE TESTER

Features:

- 3-1/2" gauge has dual scale with ranges from 0-400 psi and 0-28 BAR
- Quick coupler connection on gauge assembly for fast, easy changing of gauge to the hose assembly
- 2-1/2" gauge has dual scale dial with ranges from 0-100 psi and 0-7 BAR; hook on gauge allows technician to hang gauge and hose assembly out of harms way
- 6 ft. hose for easy gauge viewing & the ability to test the vehicle from the driver's seat
- Custom blow molded case for convenient storage

Set of 21 adapters included:

- (11) aluminum metric
- (7) brass NPT
- (3) steel fractional



ATD-5657
DELUXE VACUUM AND FUEL PUMP TESTER

Features:

- Complete with 2 ft. of high quality hose, plus (3) fittings to test domestic and foreign cars and trucks with gasoline engines
- 3-1/2" compound gauge has a multicolor dual scale dial with ranges from 0-10 psi, 0-0.7kg/cm2 pressure and 0-28inHg/0-70cmHg vacuum
- Hook-on gauge enables technician to hang gauge and hose assembly to free his hands

Assists in diagnosing:

- Fuel pump pressure
- Incorrect timing
- Leaky, burnt or sticky valves
- Heating and A/C controls
- Leaky intake manifold
- Windshield wiper
- Restricted exhaust systems
- Power brakes
- Turbo pressures
- Emission control devices
- Worn piston rings



**ATD-5519
AUTO-RANGING
DIGITAL
MULTIMETER**

This high precision auto-ranging DMM can help you troubleshoot all types of electrical problems. Just set to the desired test function and the unit automatically selects the proper test range. Includes test leads, instruction manual, protective holster and (2) AA batteries.

Features:

- (43) test ranges, auto-ranging
- (10) test functions
- Auto power off, data hold
- Dual fuse protection
- 10 Meg/Ohm input impedance



**ATD-5536
DIGITAL
MULTIMETER**

This digital multimeter has the compact design and functions you need for overall convenience. Its capabilities are equal to many higher priced multimeters. Comes with test leads, protective holster, instructions and installed 9V battery.

Features:

- (20) test ranges
- (7) test functions
- 10 Amp test range
- Continuity beeper
- Fully fuse protected
- 10 Meg/Ohm impedance



**ATD-5540
DIGITAL AUTOMOTIVE
ENGINE ANALYZER/
MULTIMETER**

This unit has many of the necessary features required for today's automotive diagnostics. Use frequency readings to test crankshaft and camshaft sensors. It comes equipped with an rpm pick-up, probe test leads, alligator clip test leads, instructions and installed 9V battery. Inductive rpm pick-up features a 5-position, adjustable sensitivity switch.

Features:

- (25) test ranges
- (9) test functions
- Easy rpm readings
- Inductive rpm pick-up included
- 10 Meg/Ohm input impedance
- Dual fuse protection
- Built-in tilt stand

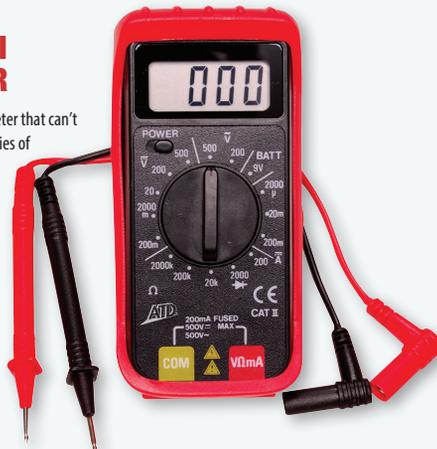


**ATD-5544
DIGITAL MINI
MULTIMETER**

Economical digital multimeter that can't be beat. It has the capabilities of full range units but is small enough to fit in your pocket. Includes test leads, protective holster and battery included.

Features:

- (16) test ranges
- (6) test functions
- Protective holster
- 3-1/2" Digital LCD display
- Fuse protected
- Safety leads and jacks



**ATD-5570
DELUXE AUTOMOTIVE
METER WITH
RPM AND
TEMPERATURE
FUNCTIONS**

Professional grade tool used for diagnosing electrical, computer and engine problems on any vehicle. Includes (2) sets of test leads, rpm pick-up, temperature probe, protective holster, 9V battery, instruction manual and carrying case. Inductive rpm pick-up features a 5-position, adjustable sensitivity switch.

Features:

- (45) Test ranges
- (14) Test functions
- Displays rpm for DIS and standard ignitions
- Dual display with analog bar graph and digital readings
- Includes rpm pick-up and temperature probe included
- Built-in temperature readings
- 10 Meg/Ohm input impedance
- Dual fuse protection
- Safety leads and jacks
- Built-in tilt stand
- Carrying case included



**ATD-5582
PRO LASER TACHOMETER**

Features:

- Ideal tool for easy and accurate measurement of rpm in almost any environment
- High intensity laser beam not affected by shop light, detects rpm from up to 6 ft. away
- Measures up to 99,999 rpm in 1 rpm increments and can be used to measure rpm on coil-on-plug and diesel engines
- Simple operation, just aim at reflective mark to get rpm
- Memory function saves maximum and minimum rpm readings
- Zippered case, reflective tape, instructions and 9V battery included



ATD-5500 PRIMARY CIRCUIT TESTER

Features:

- Tests 6 and 12V
- Locates shorts, open circuits and grounds
- Use with ignition on
- Clip to ground anywhere on vehicle and use probe to make contact with wire or cable being tested
- Bulb indicates condition of circuit



ATD-5503 CORDLESS PROFESSIONAL CIRCUIT TESTER

Features:

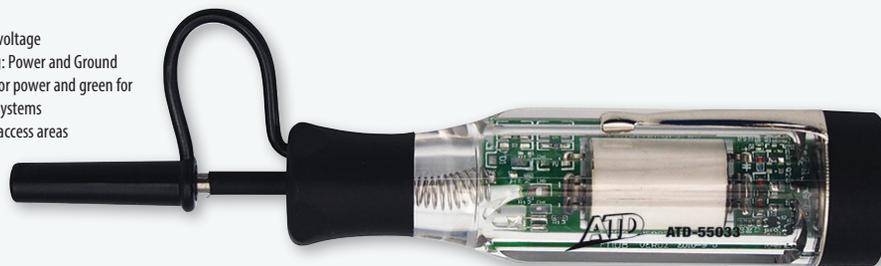
- Tests circuits from 3 to 28 Volts DC
- LED light and buzzer indicator
- Does not require a ground wire or clip
- Safe for work on automotive computers, ECMS, airbags, etc.
- Special V-tip allows safe piercing and can be removed to test hard-to-reach places
- Operates on replaceable long-life "N" or "LR-1" size alkaline batteries (included)



ATD-55033 HEAVY-DUTY 3-30V CORDLESS CIRCUIT TESTER

Features:

- 3-30V detection range of DC voltage
- Bi-directional polarity testing: Power and Ground
- Dual color LED indicates red for power and green for ground on 6V, 12V and 24V systems
- Compact size for use in tight access areas
- Computer safe
- For use on automotive, commercial vehicle and equipment repair



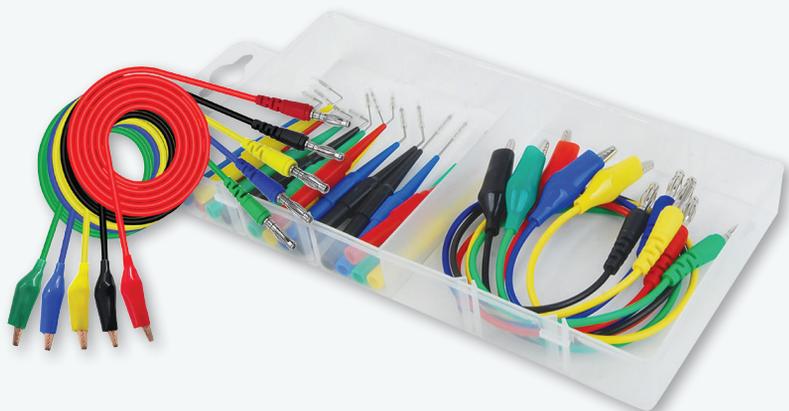
ATD-55020 20-PC. ELECTRICAL BACK PROBE KIT

Features:

- Helps take voltage or signal measurements by back probing
- For use on harness connectors, fuel injectors and automotive sensors
- No need to disconnect connector and terminal
- Probes easily insert into automotive connectors
- Color coded for easy identification
- Insulated body for testing up to 30 volts
- 12" extension leads plug in to allow testing in recessed areas

Includes:

- (3) probe configurations in (5) colors and (5) matching color extension leads
- Straight, 45° and 90° stainless steel probes in 0.027" and 0.04" diameter
- (5) straight stainless steel probes • (5) 90° stainless steel probes
- (5) 45° stainless steel probes • (5) 12" extension leads





ATD-5624
HEAVY-DUTY CIRCUIT TESTERS

Features:

- New coil cord design for ease of use
- Acetate handle, coiled lead wire
- Easily checks 6 and 12V systems
- New full size comfortable acetate handle lights up when circuit is good
- Leads remain flexible in low temperatures
- Ground lead stretches up to 10 ft.



ATD-55042
12/42 HYBRID CIRCUIT TESTER

Features:

- For 12V & 42V Hybrid systems
- Automatic Voltage Identification: BLUE LED for 12V and RED LED for 42V
- Pointed probe tests through wire insulation
- Computer and airbag safe
- 12 ft. heat and oil resistant coiled cord



ATD-5513
HEAVY-DUTY CIRCUIT TESTER

Features:

- Easily checks 6 and 12V systems
- 5 ft. heavy-duty lead
- Tough plastic handle lights up if circuit is good
- Lead remains flexible in low temperatures



ATD-55045
3-48 VOLT LCD WIDE RANGE
DIGITAL CIRCUIT TESTER

Features:

- Large, backlit LCD display for visible voltage readings
- Checks electrical circuits on all 3-48 Volt vehicle systems
- Impedance rating 200-4000ohms(Ω)
- 12 ft. coiled test lead



ATD-5614
RELAY CIRCUIT TESTER

Features:

- Able to test an entire circuit - from battery to component, including the relay
- Allows the technician to diagnose the problem without the use of a multimeter
- The lighted display shows the technician the problem immediately
- With this item the technician can jump a relay; do an AC charge from the relay by activating the compressor; do compression testing by activating the starter relay and even check turn signals or lights from the front of the car.

Includes:

- Tester
- (6) popular Relay Leads
- Universal Relay Lead

**ATD-5612
NOID LIGHT SET**

- Features:**
- Includes (10) noid lights plus 4 ft. extension for easy viewing
 - Molded storage case included
 - Quickly and easily tests electronic fuel injection systems on:
 - GM TBI
 - GM '87 - present
 - GM '82-'91
 - Bosch PFI
 - Ford TBI
 - GM PFI
 - GM TBI
 - GM SCPI



**ATD-3325
DEF/COOLANT
REFRACTOMETER**

- Features:**
- 3-in-1 tool combines coolant, battery, and DEF scales all in one
 - Focusing eyepiece for clear readings and comfort of use
 - No power needed, uses ambient light to verify fluid condition
 - Automatic temperature compensation
 - Reads both Ethylene and Propylene Glycol based coolants
 - Includes storage case, fluid dropper, cleaning cloth and mini screwdriver



**ATD-3705
COOLANT REFRACTOMETER**

- Features:**
- High-quality refractometer offers a fast, easy way to test the freezing point of coolant/anti-freeze
 - Works with Ethylene or Propylene Glycol anti-freeze
 - Not for use with OAT coolants or DEF
 - Also measures battery acid gravity to determine battery life
 - Automatic temperature compensation
 - Large, easy-to-read graphics and high-contrast lens
 - Adjustable viewfinder; rugged, steel body construction
 - Includes storage case, fluid dropper, cleaning cloth and mini screwdriver



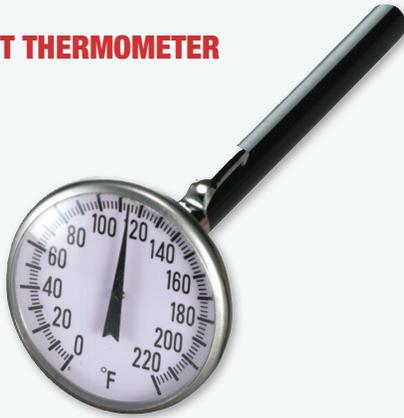
**ATD-3406
ANALOG POCKET THERMOMETER**

- Features:**
- Dial size: 1"
 - Temperature scale: 0 to 220° F
 - Includes pocket holder and clip



**ATD-3407
ANALOG POCKET THERMOMETER**

- Features:**
- Dial size: 1-3/4"
 - Temperature scale: 0 to 220° F



**ATD-3412
DIGITAL POCKET THERMOMETER**

- Features:**
- Display in °C or °F
 - Auto Off after 10 minutes
 - Probe cover with pocket clip
 - Range: -58 to 302° F



**ATD-70000
8:1 INFRARED
THERMOMETER**

- Features:**
- Measurement Range: -31 to 689°F (-35 to 365°C)
 - Operating Range: 0 to 50°C (32 to 122°F)
 - Emissivity: 0.95 fixed
 - Resolution (9.9 to 199.9°C): 0.5°F/0.2°C
 - Response Time (90%): 1 sec
 - Distance to Spot: 8:1
 - Battery Life: Typ. 18, min 14 hours continuous use



**ATD-70001
12:1 INFRARED
THERMOMETER**

- Features:**
- Measurement Range: -60 to 550°C (-76 to 1022°F)
 - Operating Range: 0 to 50°C (32 to 122°F)
 - Emissivity: 0.95 default - adjustable 0.1 to 1 step .01
 - Resolution (-9.9 to 199.9°C): 0.1°C/0.1°F, otherwise 1°C/1°F
 - Response Time (90%): 1 sec
 - Distance to Spot: 12:1
 - Battery Life: Typ. 18, min 14 hours continuous use
 - Dimensions: 112.58 x 147.93 x 41.36mm (4.43 x 5.82 x 1.63")
 - Including batteries (AAA* 2pcs)



ATD-5488
100 AMP BATTERY LOAD TESTER

Tests 6 and 12 Volt Batteries Up To 1000 Cold Cranking Amps:
• For conventional and maintenance free batteries in cars, light trucks, lawn tractors and RVs

Simple To Use:

- Completely portable - external power source not required.
- Complete test done in 10 seconds

Tests:

- State of charge
- Charging system output
- Cranking ability
- Starter motor draw



ATD-5489
500 AMP VARIABLE LOAD CARBON PILE BATTERY TESTER

Features:

- Tests 12V batteries, alternators and starters
- Tests batteries to 1000 CCA
- Color-coded, temperature compensated pass/fail bands on voltmeter for accurate assessment
- Separate ammeter to enable precise loading of battery
- Heavy-duty, color-coded clamps for secure battery connections
- Durable steel case



ATD-5491
6V & 12V ELECTRONIC BATTERY & 6/12/24/36V CHARGING/STARTING SYSTEMS TESTER

Features:

- Tests all 6 & 12V Lead Acid, AGM and Gel batteries
- Tests 6/12/24/36V starting/charging systems
- Displays both percent of capacity and cold cranking amps
- IR printer interface for remote printing
- Detects and displays alternator ripple and bad cells
- Tests series (24V) and parallel batteries
- Includes RoHS compliant post adapters



ATD-5494
BATTERY CHARGING & STARTING SYSTEM DIAGNOSTIC TESTER

Features:

- Tests all 12V lead-acid batteries, including AGM and Gel
- 100 - 1700 CCA - great for small engines, automotive and truck
- Displays battery capacity percent and color-coded bar graph
- Detects and alerts bad cells and surface charge
- Ultra-quick voltmeter and state-of-charge reading
- 5V to 33V operating range



ATD-8656
6" ELECTRONIC DIGITAL CALIPER

Features:

- 0-6" (0-150mm) range, .001" (.01mm) graduations
- Easy-to-read digital display with SAE/Metric conversion
- 4 measurements - inside, outside, depth, and step
- Stainless steel with satin chrome finish
- Measuring surfaces are precision ground and lapped
- Powered by (1) SR44/357/303 battery



ATD-8657
FRACTIONAL DIGITAL CALIPER

Features:

- 0-6" (0-150mm) range
- Graduated in .001"/.01mm or 1/64" fractions
- Stainless steel frame
- Storage case included



ATD-8658
ELECTRONIC DIGITAL DRUM GAUGE

Features:

- Graduated in .001"/.01mm increments
- Range: 4"-20.65" (150mm-515mm)
- Stainless steel
- Easy to read digital display with SAE/Metric conversion
- Selectable depth stops for easier use
- Measure automotive and heavy-duty drums
- Pointed anvils and 4.25" long arms to inspect drums before turning or replacing
- Powered by (1) SR44/357 (included)

ATD-8660A
ELECTRONIC DIGITAL BRAKE ROTOR GAUGE

Features:

- Improved design for easier measurement of brake rotors
- Depth rod for measuring pad wear
- Pointed anvil and 3.50" long arms to inspect rotors before turning or replacing them
- Improved anvil and arm design to better get into scores and tight spaces
- Easy to read digital display with inch/metric conversion
- 0-4.00"/0-100mm Range
- .001"/.01mm Graduations
- Replacement battery SR44/357/303



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