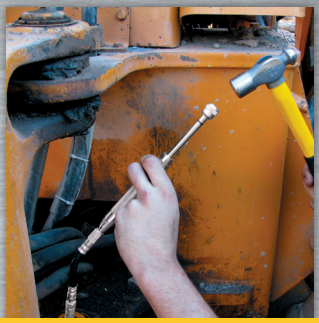
IPA®
FUTURE NOW®

USA Manufacturer of Innovative Tools and Equipment Since 1996

PRODUCT CATALOG





Specialty and Diagnostic Tools





BrushAll® Abrasives





Trailer and Electrical Maintenance

Available Through Your Local Tool Distributor

INNOVATIVE PRODUCTS OF AMERICA®

LETTER FROM THE PRESIDENT OF IPA®

My name is Ian Vinci and I would like to thank you for your interest in our products. In today's world, we have all experienced the lack of service and consideration demonstrated by many companies after you buy their products. They say whatever they can to make the sale, and then it's like pulling teeth to get any service response out of them. I know this myself firsthand and because of this, I want to be sure that your experience with IPA® meets your expectations and that IPA® never disappoints you with our service or customer response.

To prove my commitment to you, if for any reason you are not happy with one of our products, or more importantly, with the response from our customer service department, or any other member of the IPA® team, I invite you to contact me at president@ipatools.com or call me at 888-786-7899. Your satisfaction is more important to me than the sale itself. We will not be in business for long if we don't make you completely happy with our products and service. I want IPA® to be different and be known for its quality and service.



With that said, please take a look at our product line. You will see innovative, first-time tools that were created to help you do your job faster and better than before. I would also like to invite you to critique our products. If you can think of a better way to make them or changes that will make them work better, please contact me directly and I will be sure to look into it. If you have an innovation and would like some feedback, give me a call.

From all of us at IPA®, we thank you for taking the time to review our product line and wish you and your family the very best of everything.

Ian Vinci
President
Innovative Products of America®

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#8061 FUSE CHASER™

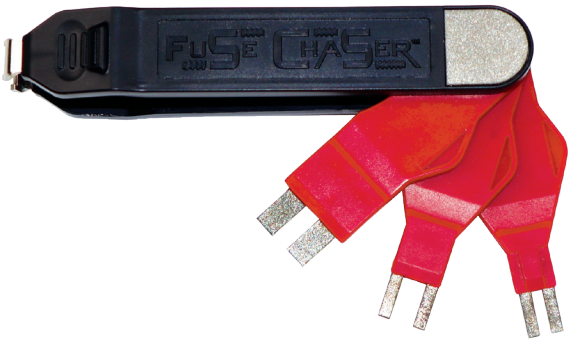
Pull, Clean and Restore Fuse Contacts to Help Reduce Voltage Drop and Intermittent Electrical Failures

NEW

Intermittent electrical problems are often caused by corroded fuse terminals. Moisture, oxidation and vibration degrade contact integrity inside fuse slots, leading to voltage drops and erratic operation. The **FUSE CHASER™** is part of the IPA® Contact Care and Terminal Chaser™ product lines, designed to help technicians quickly pull, clean and restore suspect fuses during electrical diagnostics.

This patent-pending multi-tool combines fuse removal and terminal cleaning in one compact solution. Featuring three swing-out, diamond-coated cleaning arms shaped for common automotive fuse styles, the FUSE CHASER™ precisely cleans fuse blades and contacts. Designed as a pincer-style fuse puller with hardened-steel jaws, it also includes a rear diamond file pad for additional terminal reconditioning.

- Cleans and removes fuses in one integrated tool
- Designed to restore fuse contact integrity and reduce intermittent electrical failures
- Three swing-out cleaning arms for targeted terminal cleaning
- Diamond-coated tips shaped for common fuse styles
- Services ATO/ATC, Mini ATC and Micro2/3 fuses
- Built-in pincer-style fuse puller with hardened-steel jaws
- Rear diamond file pad for additional fuse terminal cleaning
- Reduces voltage drop, poor contact and repeat electrical issues
- Compact, durable housing for daily professional use



Patent Pending



Applications

- Automotive and truck fuse panels
- Electrical diagnostics and troubleshooting
- Fleet maintenance and repair
- Corrosion-related electrical issues







#8016A FUSE SAVER® (2ND GEN) MASTER KIT

Troubleshoot Short Circuits Without Blowing Fuses!

NEW

MADE IN USA OF GLOBAL COMPONENTS

The **Fuse Saver® (2nd Gen) Master Kit** is your solution for quick and safe short-circuit troubleshooting without the risk of blowing fuses or smoke testing vehicle electrical systems.

- Chase down short circuits without blowing fuses: Designed to test circuits safely; ideal for testing without smoke or unnecessary disassembly
- Includes five resetting thermal breakers (5, 10, 15, 20, and 30A), BuzzAlert module, 10 ft cord with dual ATC/ATO connections and most common fuse adapters in a custom blow-molded case
- Allows for quick identification and isolation of short circuits during diagnostics
- 10-ft cable allows a technician to move about a vehicle while troubleshooting
- Includes a variety of adapters and connectors for eleven different fuse types compatible with Glass, European, Ceramic, Large Female PAL, JCASE, Female FLF/Standard PAL, MAXI, Ring Terminal, MICRO2/3, MCASE, ATC/ATO Standard and Mini



Includes

- Five Resetting, Color-Matching Thermal Breakers: 5 Amps (orange), 10 Amps (red), 15 Amps (blue), 20 Amps (yellow) and 30 Amps (green)
- BuzzAlert: Audible, Short-Circuit Alert Module
- 8 Fuse Adapters
- 10-ft cord with dual ATC/ATO connections
- Custom Blow-Molded Case





New Adapters

#8005A FUSE SAVER® (2ND GEN) STANDARD KIT

Chase Down Short Circuits Without Blowing Fuses!

NEW

MADE IN USA OF GLOBAL COMPONENTS

The **Fuse Saver® (2nd Gen) Standard Kit** is your solution for quick and safe short-circuit troubleshooting without the risk of blowing fuses or smoke testing vehicle electrical systems.

- 10-ft cord allows a technician to move around a vehicle while troubleshooting
- Helps to troubleshoot lighting, fuel pumps, motors and most all electrical circuits that are routed through the fuse box



Includes

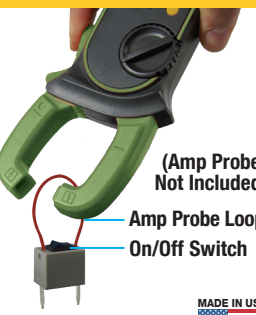
- Three Resetting, Color-Matching Thermal Breakers: 10 Amps (red), 15 Amps (blue) and 20 Amps (yellow)
- 10-ft. Cord with Dual ATC/ATO Connections
- 2 Adapters (MICRO2/3 and MCASE)
- Custom Blow-Molded Case

#9038A RELAY BYPASS SWITCH KIT WITH AMP LOOP

Allows Circuit Bypass and Current Testing for 12V DC Relays

The **Relay Bypass Switch Kit with Amp Loop** energizes fuel pumps and any 12V relay by powering a DC motor for testing. It also makes DC motor actuation and current monitoring easy. By attaching an Amp Clamp or Lab Scope, you can monitor the current or amperage readings. It allows a technician to judge the health of the DC electric motor to identify if a motor is drawing more current than specified, or if the current load is inconsistent during operation.

- Controls relay circuits independent of "key-on/key-off" systems
- Runs automotive, 12V DC motors with the push of a switch
- Simplifies fuel injection testing
- Use in conjunction with clamp-on Amp Probes and Lab Scopes
- Operating range: Up to 20 amp continuous, 30 amp surge (12V)
- Covers most makes and models



MADE IN USA
OF GLOBAL COMPONENTS



#9036A-1 **#9036A-2** **#9036A-3** **#9037A-3** **#9037A-2** **#9037A-1**



#9038 FUEL PUMP RELAY BYPASS MASTER KIT

Energizes a Fuel Pump with the Push of a Switch

Conveniently combining the #9036 and #9037, the 6-piece **Fuel Pump Relay Bypass Master Kit** provides direct control of the fuel pump circuit in most domestic, Japanese, Korean and German applications.



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OF GLOBAL COMPONENTS



#9036-1
Domestic, Korean, Japanese 2000 & Newer

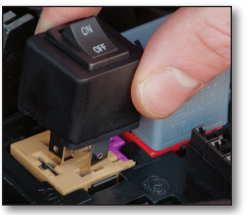
#9036-2
Domestic, Japanese 1970-2009

#9036-3
Volkswagen 1999-2005 Audi 2004-2006

#9037-3
GM, Chrysler, Japanese 1995-2007

#9037-2
BMW 1995-2006

#9037-1
GM, Chrysler, Japanese 1985-2009



#9037 FUEL PUMP RELAY BYPASS KIT II (3-Piece Set)

Includes #9037-1, #9037-2, #9037-3

#9036 FUEL PUMP RELAY BYPASS KIT I (3-Piece Set)

Includes #9036-1, #9036-2, #9036-3

#7862-#7864 GREASE JOINT REJUVENATOR®

LIFETIME WARRANTY

MADE IN USA

Have You Ever Tried to Force Grease Through a Grease Fitting and Couldn't? Now You Can!

The **Grease Joint Rejuvenator®** forces light oil into a grease joint, flushing out old, hardened grease and allowing new grease to be pushed through.

- Instantly opens clogged grease joints
- Cleans ways and stays in milling machines and lathes
- Lubricates and unclogs bearings, control arms, king pins, piston arms, packaging, shafts, bushings, etc.
- Can be used on farm, construction, lawn, excavating, manufacturing, machine shop and well-drilling equipment, as well as trucks, trailers and marine drivetrains
- Patented design made in USA





#7863 GREASE JOINT REJUVENATOR® MASTER KIT

Includes

- Professional Model #7862
- Pocket Model #7864
- 5" Flex Hose
- Extra Coupler



#7862 GREASE JOINT REJUVENATOR® PROFESSIONAL MODEL

Includes

- 5" Flex Hose
- Extra Coupler

Also Available in Clamshell: #7862H



#7864 GREASE JOINT REJUVENATOR® POCKET MODEL

- Especially handy for small equipment
- Provides high pressure for stubborn clogs





#8055 3-PC SPECIALTY BLOW-GUN ASSORTMENT

Specially Engineered Blow Guns for a Variety of Common Industrial Applications

MADE IN USA OF GLOBAL COMPONENTS

The innovative and versatile **3-Pc. Specialty Blow-Gun Assortment** includes an Air Bender®, Air-Scraper and BlowBack® Gun model. They are ideal for countless applications in engine repair, machine shop, Ag/construction, general industrial applications and much more.

#8056 - AIR BENDER® BLOW GUN

- Reaches hard-to-access areas with a focused, high-pressure, 90° angle output
- Intuitive and safe design allows the blow back to be away from your face
- Ideal for blowing out channels, ports, or reaching around obstructions

#8057 - AIR-SCRAPER BLOW GUN

- Combines air pressure and scouring action to remove and blow away stuck-on debris faster than other methods
- Designed with a stainless-steel shaft and hardened-steel scraper tip
- Ideal for cleaning gasket material hardened to a surface such as grease and rust

#8058 - BLOWBACK® GUN

- Dislodges and evacuates debris from the bottom of a bolt hole and all of the threads
- Features 6 extra holes for 360° action plus front air flow
- Ideal for cleaning head-bolt holes, anchor bolt holes, blind holes, manifolds and more

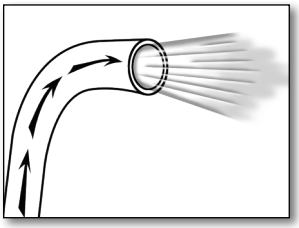


Patented

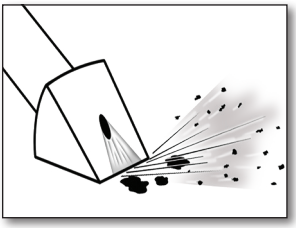
Specifications

Shop Air:	145 psi Max Input	Tube Length:	7"
Air Inlet:	¼" NPT	Tube Diameter:	3/8"
Overall Length:	10 5/8"	Tube Material:	Anodized Aluminum and Stainless Steel

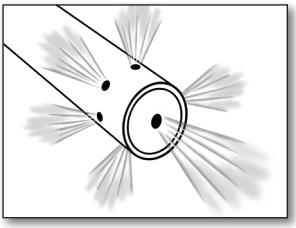
ALSO AVAILABLE INDIVIDUALLY



 # 8056
AIR-BENDER® BLOW GUN



#8057
AIR-SCRAPER BLOW GUN



#8058
BLOWBACK® GUN

#8050-#8053 AIR COMB® FILTER AND RADIATOR CLEANER

90º Multi-Port Air Gun

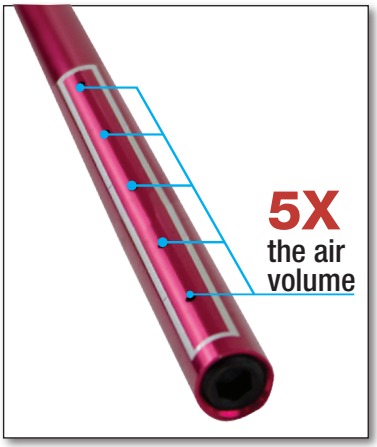
Special, multi-port nozzle maximizes air pressure and volume at a 90° angle to thoroughly clean air filters, condensors, radiators, etc.

- Focused, high-pressure output
- 5X the air volume
- Long-reaching, 90º airflow
- Accesses hard-to-reach areas
- Great for air filters, condensors, radiators, etc.
- Does not punch holes in air filters
- OSHA safe
- Available in four sizes: 12", 24", 36" and 48"

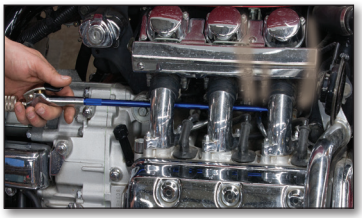
ASSEMBLED IN USA FROM GLOBAL COMPONENTS

Industries

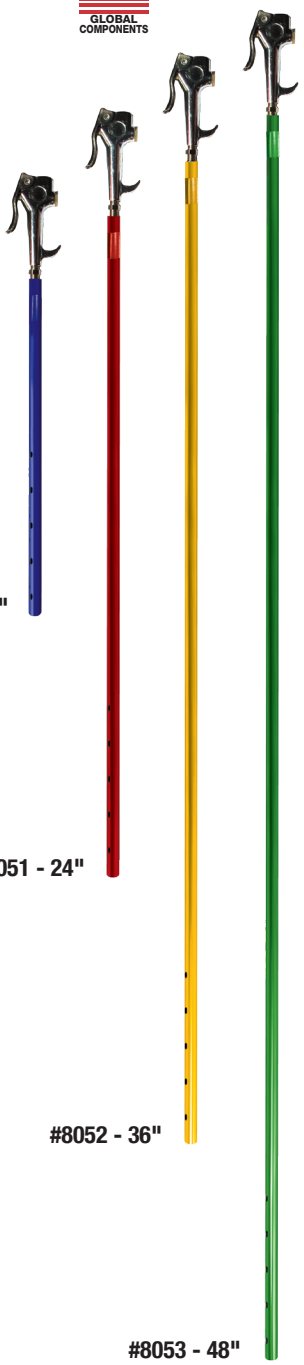
Agriculture, Construction, Automotive, Industrial, Stationary Power and Others











#7884 DISC BRAKE SYSTEM ANALYZER

LIFETIME WARRANTY

MADE IN USA OF GLOBAL COMPONENTS

Uneven Brake Pad Wear? Eliminate Guesswork When Troubleshooting Disc Brake Problems

The only tool that identifies an imploded brake hose and accurately detects exactly where the problem lies without breaking a line.

- Has two load cells attached to analog gauges that each have a range of 0-5000 psi (0-350 BAR)
- Gauges are built with a red tell-tale memory needle that allows for one-man brake testing
- Tests improperly adjusted proportioning valves, air in hydraulic systems, power booster problems, rear brake adjustment check, etc.
- Tests sticky or broken brake calipers
- Identifies the exact cause of uneven wear





Patented



#7880 TDC INDICATOR STANDARD 6.25" (14MM THREAD)

LIFETIME WARRANTY

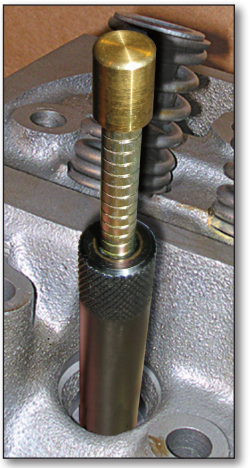
MADE IN USA

Stop the Guessing and Easily Set a Piston to TDC

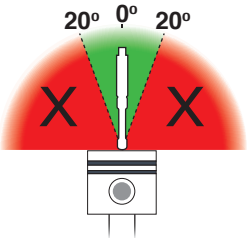
The **TDC Indicator** enables a technician to accurately set a piston to top dead center (TDC). Just remove the spark plug, screw in the gauge and rotate the engine while observing the radial marks on the sliding shaft and note the top of the piston stroke.

- Accurately displays piston movement
- Installs as easily as a spark plug
- 6 $^{1}/_{4}$" long (14mm thread)
- $^{1}/_{8}$" gradient marks
- Made of 1144 steel alloy with a stainless steel spring





DO NOT use on an engine that has an acute spark plug angle relative to the flat top of the piston or you may bend the TDC shaft.



#7882 WHISTLE ALERT (RIGID)

LIFETIME WARRANTY

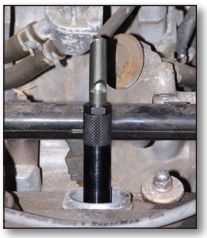
MADE IN USA

No More Burning Fingers and Hands! Just Listen for the Whistle to Find the TDC Compression Stroke

The **Whistle Alert (Rigid)** screws into a spark plug hole to quickly indicate compression stroke.

- Eliminates the need for an extra hand
- After installation, your hands are free to complete the job
- Excellent for use on deep, recessed spark plug threads





#7894 WHISTLE ALERT (FLEXIBLE)

LIFETIME WARRANTY

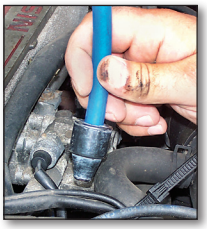
MADE IN USA

Identifies Compression Stroke in Hard-to-Reach Areas

The **Whistle Alert (Flexible)** identifies compression stroke and performs the same job as the rigid version, but can be placed in hard-to-reach places where the rigid version would be difficult or impossible to place.

- Eliminates the need for an extra hand
- Can be used in hard-to-reach places
- After installation, your hands are free to complete the job
- Excellent for use on deep, recessed spark plug thread





#8100 14" LARGE MANTUS

Go Where No Tool Has Gone Before!

The **14" Large MANTUS** is the ultimate tool for accessing hard-to-reach areas. Surpassing the reach of the industry's longest available needle nose pliers with greater precision and control, the MANTUS provides a sure grip on a variety of surfaces including fuses, wires, hoses, gaskets, O-rings, hardware and more!

- Durable, surgical stainless steel construction
- Slim-profile design for reaching tight-access areas
- Extended length for greater versatility







Also Available

#8041 SPADE-RELAY TERMINAL CHASER™

#8040 FLAT-PIN TERMINAL CHASER™ SET

For Electrical Flat (Spade) Pin Connectors

This 3-piece, pro-series set features three different size tips specifically designed and custom engineered to fit and clean most male/female flat pin connectors.

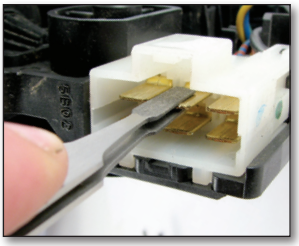
- Highly durable with mild abrasive coating
- Pivoting handle design for added versatility
- Works for both male and female connectors on flat (spade) pin terminals
- Designed to clean and enhance electrical connections safely
- Increases overall harness life

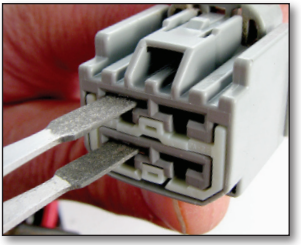
Includes

- Small, medium and large terminal cleaners
- Premium-quality holster with magnetic clasp



Patented





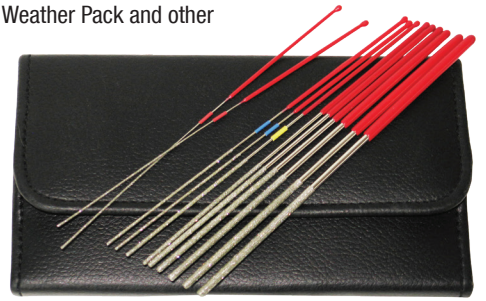


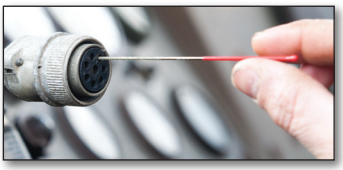
#8042 MICRO-ROUND TERMINAL CHASER™ SET

Super Hard, Flexible and Diamond Coated for Cleaning Small, Round, Female Electrical Pins

This 12-piece set of **Micro-Round Terminal Chaser™ Files** is specially designed to remove corrosion from Cannon, Deutsch, Bullet, NATO, Weather Pack and other round terminal connections.

- Strong but flexible
- Specially designed for cleaning small, round electrical connectors
- Diameter sizes range from 0.030"-0.120" and 5" long
- For use in general filing applications such as steel, aluminum, plastic, brass, etc.
- Comes in a premium-quality holster with magnetic clasp
- Individual sizes are marked and available for replacement







#8043 MICRO-MALE TERMINAL CHASER™ SET

Cleans Deutsch, Cannon, Bullet and Other Round Electrical Pins

Specially engineered with a contoured design and diamond coating to clean male electrical pins safely. The 3-piece set includes a leather-type holster and cleans pins ranging in sizes from .030"-.040", .060"-.070, and .090"-.100" – the same sizes found in most makes of cars, trucks, construction, agriculture, industrial and military equipment.



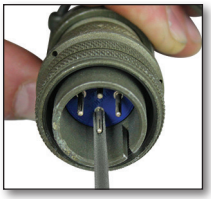
- For all types of male electrical pin applications
- Durable diamond coating
- For use on DC circuitry only
- Will not damage pins

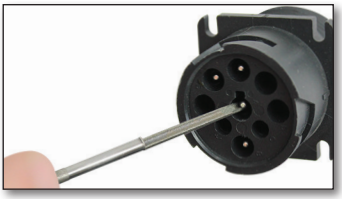


Includes

- Small, medium and large terminal cleaners
- Premium-quality holster with magnetic clasp







#8047 DIAMOND-COATED FLEXIBLE TERMINAL CHASER™ SET

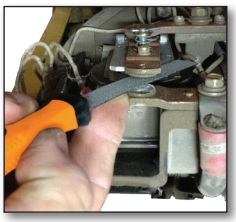
Super Hard, Flexible, Flat Cleaners for Large Spade Electrical Contacts and General Filing Applications

This 3-piece, pro-series set covers a wide range of contact sizes for cleaning and enhancing electrical connections to reduce diagnostic guesswork and increase contact life.

- Highly abrasive and durable
- Ultra thin and flexible for added functionality
- Non-slip, high-viz, ergonomic handles for comfortable use

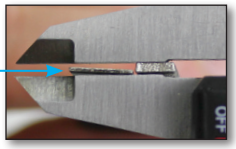




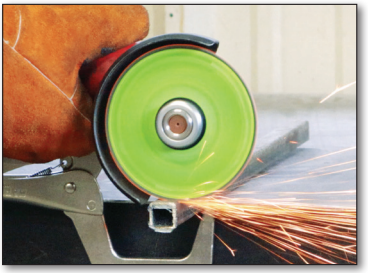




2X
Thinner than the smallest available file



BrushAll®
A Division of IPA®



Innovative Time-Saving Solutions!

The BrushAll® division provides cutting-edge, first-time products to various abrasive industries while also enhancing standard abrasives with new features designed to save time and increase performance. Diamond grinding and cut-off wheels, wire hand brushes, truck and trailer connector cleaners and bore brushes are all being offered under the new division as IPA® continues to expand the BrushAll® line.

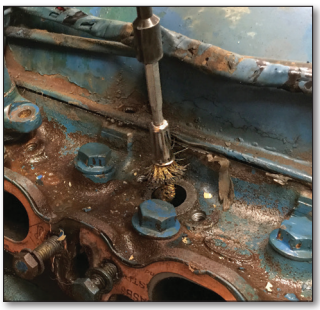


Our engineers are dedicated to the continuous development of time-saving and innovative problem-solving solutions through the use of brushes, diamond abrasives and other materials. Our focus is to create versatile products that can be used anywhere, with features designed to help users complete the job faster with superior results. Countless solutions have yet to be brought to market. Through the BrushAll® division, IPA® is committed to the ongoing advancement, development and release of new abrasive products.

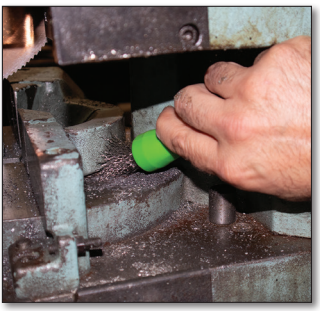


BrushAll® offers professional-grade products for every walk of life, providing superior tools for the household, shop, and everywhere else abrasives are needed.

Brushes & Abrasives for All Industries







#8120, #8150, #8151, #8152 3-IN-1 DIAMOND GRINDING WHEELS

Go Where No Wheel Has Gone Before!
Grind, Cut and Undercut.

- For grinding, deburring, surface prepping, cutting sheet metal, fiberglass and more
- Outperforms standard grinding wheels in all ways; maintains diameter, lasts longer and cuts faster
- Core-bonding technology increases wheel life up to 6,000% (60X) by exposing the full diamond particles which provides maximum grinding performance
- Low sparks, odor and debris
- Access to hard-to-reach areas



#8120 - 2" 3-In-1 Diamond Grinding Wheel



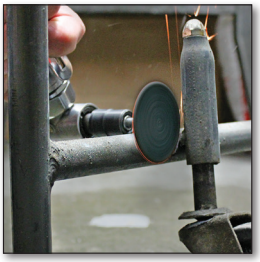
#8151 - 3" 3-In-1 Diamond Grinding Wheel



#8150 - 4.5" 3-In-1 Diamond Grinding Wheel

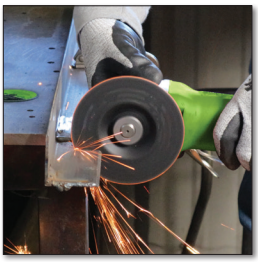


#8152 - 4.5" Diamond Cut-Off & Grinding Wheel









Specifications	Size	Style	Abrasive Areas	Arbor	Speed
#8120	2"	Cut-Off and Grinding	Face, Edge and Back	1/4"	30,000 rpm Max.
#8151	3"	Cut-Off and Grinding	Face, Edge and Back	3/8"	20,000 rpm Max.
#8150	4.5"	Cut-Off and Grinding (Type 29)	Face, Edge and Back	7/8"	13,000 rpm Max.
#8152	4.5"	Cut-Off and Grinding (Type 27)	Face, Edge and Back	7/8"	13,000 rpm Max.

#8130, #8131 DIAMOND CUT-OFF WHEELS

Multi-Use Diamond Cut-Off Wheel for Most Types of Metals

- Thin design engineered for long-lasting and fast-cutting – 60x longer life than standard abrasives
- Core bonding diamond technology exposes full diamond particles for maximum performance
- Steel core maintains shape and does not shatter
- Safer for users - less sparks and dust than traditional abrasives
- For use with steel, stainless steel, aluminum, sheet metal, rebar and more





#8131 - 3" Diamond Cut-Off Wheel





#8130 - 4.5" Diamond Cut-Off Wheel

Specifications	Size	Style	Abrasive Areas	Arbor	Speed
#8131	3"	Cut-Off	Edge	3/8"	20,000 rpm Max.
#8130	4.5"	Cut-Off	Edge	7/8"	13,000 rpm Max.

#8160 CUT-OFF WHEEL MANDREL ADAPTER

Adapts 3/8" Arbor to 1/4" Drive

The **BrushAll® Cut-Off Wheel Mandrel Adapter** adapts cutting discs and other abrasive tools from 3/8" arbor to 1/4" mandrel. This heavy-duty design, built for professionals and extreme-use applications, is compatible with drill chucks, air tools, die grinders and more.

- Adapts rotary tools with 1/4" collet to abrasives that accept 3/8" arbor
- Heavy-duty design
- Works with most abrasive wheel types
- Specially engineered to handle the wear and tear of use with diamond abrasive discs







Also Available

#8161 1/4" HEX TO 3/8" ARBOR ADAPTER

#8162 ANGLE GRINDER THREAD ADAPTER

Adapts 7/8" Arbor to 5/8"-11 Thread

The **BrushAll® Angle Grinder Thread Adapter** converts grinding wheels and abrasive discs with 7/8" arbor to a female 5/8"-11 thread. This heavy-duty design, built for professionals and extreme-use applications, is compatible with most abrasive wheel styles including depressed center, cut-off and more.

- Adapts 7/8" arbors to female 5/8"-11 thread
- Heavy-duty design with thin profile
- Works with most abrasive wheel types featuring a 7/8" arbor
- Specially engineered to handle the wear and tear of use with diamond abrasive discs
- Nut included with adapter





#8163 ANGLE GRINDER LOW-PROFILE NUT

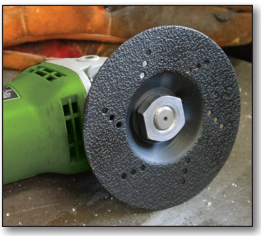
Connects BrushAll® Wheels to Standard Angle Grinders with 5/8"-11 Threads

MADE IN USA

The **BrushAll® Angle Grinder Low-Profile Nut** is specifically engineered to maximize cutting area. It features a modified hex design which allows it to fit inside the recessed area of BrushAll® depressed center cut-off and grinding wheels, where traditional nuts won't reach. This nut is included with the #8152 Diamond Grinding and Cut-Off Wheel.

- 5/8"-11 Threads
- Heavy-duty design with low profile and diameter
- Works with most abrasive wheel types on grinders with 5/8"-11 threads
- Included with #8152 Diamond Grinding and Cut-Off Wheel

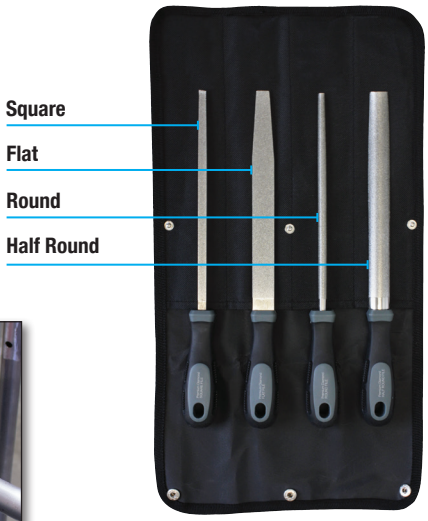




#8108 8" DIAMOND FILE SET

4-Piece Set of Premium Industrial Files

- Many times harder than conventional files
- Cuts 10X faster and in all directions
- Cuts into welds and hardened surfaces where other files can't
- Smooth action
- 12" overall length with 8" blade
- Comes in a custom folding pouch







#8094N, #8094S BRUSHALL® WIRE HAND BRUSH

Your Go-To Brush for Any Need: Industrial-Quality, Wire End Brush with Ergonomic Handle

The **BrushAll® Wire Hand Brush** line is multi-purpose and ideal for any task: detailing, cleaning parts, applying solvents and chemicals, or cleaning pots, dishes, cast iron cookware, bike chains, grills, grout and bathrooms. The Wire Hand Brush's densely packed head is mounted on a soft, ergonomic handle for a comfortable grip in multiple positions and prevents hand fatigue when applying maximum force while pushing and twisting. Measuring 7" long with a 1.25" diameter head, each commercial-quality brush outperforms standard wire brushes in many applications. When applying solvents or chemicals, BrushAll® works for you.

- Professional-grade, stainless-steel wire or nylon bristles
- Resists chemicals and solvents
- Removes dirt, debris and rust
- Cleans recessed areas where standard brushes cannot
- Ergonomic handle ensures fatigue-free grip, maximizing force while pushing and twisting
- Ideal For: Cast iron cookware, dishes, pots, grout, sinks, shower/tub, bathrooms, toilets, bike chains, grills and more



Patented



Available in

#8094N Nylon
#8094S Stainless Steel

#8090B, #8090S SPECIALTY ENGINE BRUSH KIT

Specially Designed to Clean Bores, Injector and Valve Seats on Most Light, Medium and Heavy-Duty Diesel Motors

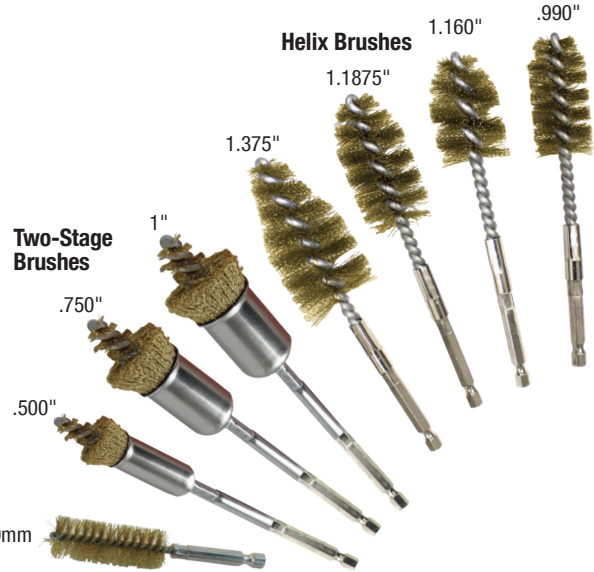
17-piece kit includes Helix Brushes, Two-Stage Brushes, Bore Brushes and SWAB-EEZ®.

- Brushes are specially engineered to fit injector seats
- Removes rust, carbon and other debris from seats and cups without damage
- Driver handle features a spring-loaded, quick-lock coupler
- ¼" drive hex shaft allows for quick interchange of brushes, drivers, extensions and the use of LOW SPEED drills
- 3", 4" and 6" brushes
- Intended for hand use - Do NOT exceed 600 rpm - Clockwise rotation only
- SWAB-EEZ® for cleaning and polishing injector bores and cups

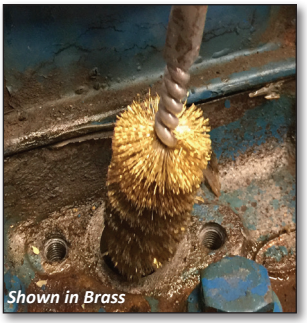
Available in

#8090B Brass
#8090S Stainless Steel







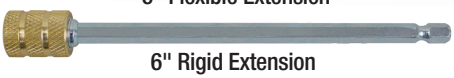


Includes:

13 Custom Brushes, Driver Handle, 6" Rigid and Flexible Extensions, 400+ Assorted SWAB-EEZ® and Custom Blow-Molded Case



6" Flexible Extension



6" Rigid Extension



Driver Handle with Quick-Lock Coupler

#8001D 36-PIECE ORIGINAL BORE BRUSH SET

Cleans Bushings, Ports, Tubes, Holes, Channels, Sockets, Brake Guides, Etc.

This 36-piece set has stainless steel, brass and nylon bristle brushes to clean a wide variety of surfaces and locations.

- Twisted wire for increased cleaning action
- For use in Automotive, Agricultural, Industrial and MRO Industries
- Do not exceed 600 rpm

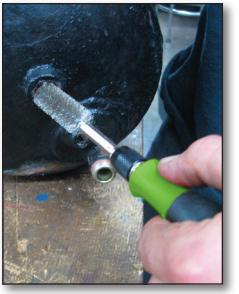


Includes

- 36 Brushes: 12 Steel, 12 Brass and 12 Nylon (8mm-19mm Diameter with ¼" Hex Shank)
- ¼" Locking Bit Head Driver







#8080-#8081 TWISTED WIRE BORE BRUSH SETS

6-Piece Bore Brush Set Features the Most Common Sizes

- Durable and abrasive bore brushes
- 6-piece set (8, 10, 12, 15, 17 and 19mm sizes)
- ¼" hex shank
- Available in stainless steel (#8080) or brass (#8081)
- Do not exceed 600 rpm



Reusable Tray for Easy Storage



#8080 Stainless Steel #8081 Brass

#8037-#8038 XL BORE BRUSHES (4-PIECE SET)

Cleans Brake Calipers, Throttle Bodies, Fittings and More!

- 4-piece set (25, 30, 35 and 40mm sizes)
- ¼" hex drive, 3 ½" overall length
- Unique large sizes for use on cars, trucks, motorcycles, engines, transmissions, etc.
- Available in stainless steel (#8037) or brass (#8038)
- Also available individually
- Do not exceed 600 rpm



#8037 Stainless Steel



#8038 Brass

#8083-#8085 9" BORE BRUSH SETS

3-Piece Set of 9" Bore Brushes with Driver Handle

The 9" long-reach bore brushes are ideal for cleaning tubes, ports, bearings and other deep hole applications.



- 3-piece set (10, 15 and 19mm sizes) with ¼" standard driver handle
- Innovative, long-reach design; ¼" hex shank
- Use on ports, tubes, bearings and other common wire brush applications

#8083 Stainless Steel



#8084 Brass



#8085 Nylon





10mm



15mm



19mm



#8004 FLEXIBLE EXTENSIONS (FOR THE BORE BRUSH SET)

Have Full Access to Clean Hard-to-Reach Areas

MADE IN USA

The set includes 6", 12" and 18" **Flexible Extensions** with a locking set screw.

- 6", 12" and 18" flexible extensions on ¼" drive hex shank
- Perfect for accessing hard-to-reach transmission valve bodies, oil galleys and EGR ports
- ¼" female coupler uses a set screw to prevent a brush or similar-type tool from slipping
- Allen key included







Also Available

#8004D FLEXIBLE EXTENSIONS AND ¼" DRIVER HANDLE

#8087-#8088 MICRO BORE AND VALVE-GUIDE BRUSH SET

8-Piece Set of Small-Diameter Brushes for Precisely Cleaning Valve Guides, Bores, Ports and More

- 9" length with flexible shaft for accessing hard-to-reach areas
- Includes 8 sizes: 1/8", 5/32", 13/64", 1/4", 5/16", 3/8", 7/16" and 1/2"
- Durable, twisted wire for increased cleaning function
- Extra-large finger loop for enhanced control



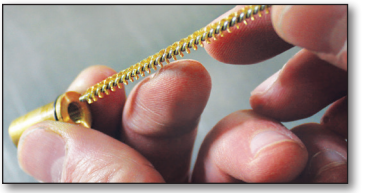
Available in

#8087 Stainless Steel

#8088 Brass







#8093 TUFTED-END BORE BRUSH SET (STAINLESS STEEL)

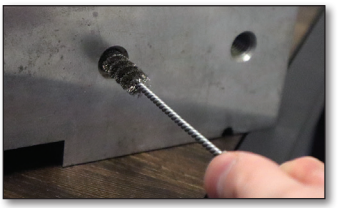
3-Pc. Set of Industrial, Tufted-Ended, Professional-Grade Bore Brushes

NEW

This durable, abrasive bore brush set features the most common sizes for cleaning blind holes, tubes, threaded holes and more. Designed to provide a more thorough cleaning, these high-quality brushes feature long handles and tufted ends for hard to-reach-areas. Each brush is fitted with a 1/4" hex shank.



- 3-piece set includes 10, 15 and 19mm sizes
- Use on brake calipers, ports, bearings, blind and threaded holes and more
- Tube brush for cleaning inside threads, tubes and bores; tufted-end for cleaning blind holes
- High-density, strong bristles that last longer and clean better
- Long shank for access to deeper holes and hard-to-reach areas
- 1/4" hex shaft for adapting to standard driver handles
- Can be used with driver or low-speed drill; DO NOT exceed 600 RPM; NEVER use in reverse



MOBILE UNIVERSAL TRAILER TESTERS



IPA® sets the standard for professional trailer testing with rugged, high-performance solutions designed for all levels of users. Our Shop, Service-Truck, Bench-Top, and Ultra-Portable testers incorporate cutting-edge engineering, with advanced diagnostic technology and software available in our high-end models. Built for extreme durability, these testers thrive in the toughest environments and come with an industry-leading warranty for long-term reliability. Designed for ease of use, they eliminate the need for guesswork – ensuring fast, accurate diagnostics without concessions. With 24/7 technical support, live chat, and expert assistance always available, IPA® delivers unmatched service and support for every customer.

- **USA Original Equipment Manufacturer (OEM) Since 1996**
- **Industry-Leading Patented and Proprietary Technology**
- **Over 25 Models for Every Application**
- **24-Hr. Repair/Replace Policy**
- **24/7 Tech Support with Live Chat**
- **3-Year Warranty on Diagnostic Equipment**









ALPHA MUTT® (2ND GEN) WITH ABS SERIES

A Complete, Diagnostic Trailer-Inspection System Integrating All Aspects of Trailer Service and Repair – Perform More Inspections in Less Time!

MADE IN USA

3-YEAR WARRANTY

Electrical Testing (12/24 Volt Operation)

- Automatic cross, open, overload, short and ground fault detection
- Highly accurate digital ammeter with 5mA resolution
- Chase down short circuits with Pulsar Mode
- Cable testing
- Ground failure detection: differentiates between wire and chassis ground
- Detailed inspection report generated from auto-test report function in under 60 seconds

Air Brake Testing

- Tablet or remote-controlled air brake activation
- Real-time, repetitive brake activation to find developing problems and verify leaking servo cans
- Perform analog leak-down tests in service and emergency lines

ABS Testing

- Reads and clears codes on front panel or via tablet
- Displays diagnostic troubleshooting information
- Accesses ECU data; manufacturer, make, model, etc.
- No lag time when accessing ABS with IPA®'s custom diagnostic software



SHOP MODEL



SERVICE-TRUCK MODEL



BENCH-TOP MODEL



SLIM LINE

PRODUCTIVITY SOFTWARE SUITE

Provides Highly Accurate Inspection Results for All Common Trailer Configurations

IPA®'s custom diagnostic software suite provides highly accurate inspection results for all common trailer configurations. It standardizes consistent inspections across all fleet and service center locations with one-button pass/fail inspections and printable reports. It reduces labor time, prevents mistakes and creates more detailed service records.

Capture Inspection Reports

- Inspection accountability
- Customizable, password-protected user login
- Technician's username is recorded with each test
- Trailer VIN entry with each inspection maintains more accurate record keeping



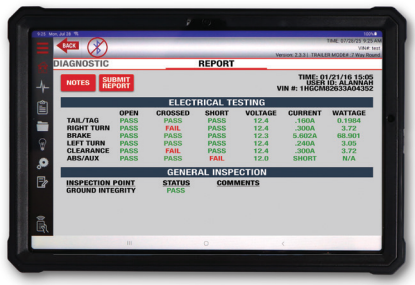
Prevents Recurring Mistakes and Provides Walk-Through Expert Guidance

- Built-in Diagnostic Message Center analyzes inspection results in real-time, providing users with immediate feedback and troubleshooting suggestions
- Detailed pass/fail circuit conditions (ground, open, crossed and short) will alert with specific values
- Provides real-time data and control
- Records multiple data points for each circuit, including wattage, voltage and current
- Reads accurate current from 0-21A @ 5mA resolution



Record and Analyze Inspection Results

- Logs detailed pass/fail inspection reports
- Easily accessible report history allows technicians to analyze patterns for predictable failure points across all fleet service operations
- Upgradeable cloud-based option syncs an unlimited number of service locations with a central hub
- Email, print or export reports to PDF or XLS formats



Base Functions Work with or Without Tablet

Military-Grade Tablet* Withstands

Salt, fog, settling and blowing dust, rain, icing, humidity, immersion, vibration, dropping, high/low temperatures and high altitude.



***Available with**

#5710A-RT8, #5610A-RT8, #5611A-RT8, #5510A-RT8 and #5510A-L4RT8

#5710A-T10 ALPHA MUTT® (2ND GEN) WITH ABS AND TABLET

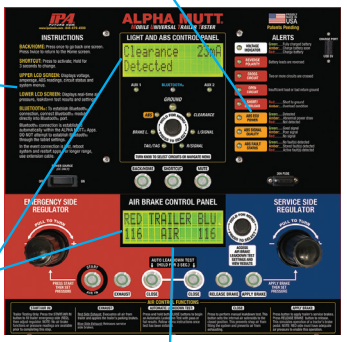
Shop Model Features and Benefits

- Tests continuity to trailer connectors of tractor and air brake output at tractor gladhands
- Two dual-line, 32-character, sealed LCD screens optimized for outdoor use with backlighting for nighttime, sunlight-readable for daytime and wide-angle view
- Durable cart design with heavy-duty 12" pneumatic wheels and 5" dual-lock swivel casters
- Integrated battery compartment fits (2) Group 31 batteries

ABS Quick-View Diagnostics

Sealed, Waterproof Faceplate with Illuminated Stainless Steel Pushbutton Switches

Dual-Line 32-Character Digital Screens; Readable in Direct Sunlight



Digital Air Brake Control Panel



Shop Model Specifications

Input/Output:	20A @ 12/24V DC
Internal Battery Dimensions:	(2) Group 31 Threaded Post (or similar) Not Included
Input Requirements:	12/24V DC Battery Only
Ammeter:	5mA-21A
Max. Opt. Pressure:	120 psi
Connection Type:	7-Way Round Pin
Controls:	Tablet, Remote or Manual
Tablet:	Android OS
Bluetooth®:	4.0 or Newer
Tires:	12" Pneumatic
Materials:	16 Gauge Powder-Coated Steel
Weight:	85 lbs.
Body Dimensions:	22 ½" W x 45" H x 20 ½" D
Battery Compartment:	14" W x 15 ½" H x 13" D
Internal Bat. Charger:	12V 10A Smart Battery Charger

Includes

10" Tablet, 12-Button Remote Control, 12' 7-Way Cable, 12' Gladhand Hoses with Handles, Bluetooth® Antenna, 12" Bluetooth® Antenna Extension Cable, Power Cord for Internal Charger and Rain Cover

Also Available

#5710A-RT8 ALPHA MUTT® (2ND GEN) WITH ABS AND RUGGED TABLET
#5710A ALPHA MUTT® (2ND GEN) WITH ABS (NO TABLET)

#5611A-RT8 ALPHA MUTT® (2ND GEN) W/ ABS, RUGGED TABLET & SLIDE-OUT BASE

Purpose-Built for Underbody and Side-Mount Tool Boxes

MADE IN USA

Service-Truck Model Features and Benefits

- Anti-vibration feet with bolt-through design for bottom mounting to service-truck boxes
- Retractable and removable slide-out base for easy access to side components and simplified field service
- Soft-close drawer with integrated tablet docking/charging station and custom foam cutout storage for remote control and Bluetooth® antenna
- Two dual-line, 32-character, sealed LCD screens optimized for outdoor use with backlighting for nighttime, sunlight-readable for daytime and wide-angle view
- Internal circuit board coated to protect from moisture and corrosion
- Weather-tight steel door keeps electronics and control panel safe in all conditions

3-YEAR WARRANTY

SERVICE-TRUCK MODEL



Service-Truck Model Specifications

Input/Output:	20A @ 12/24V DC
External Power Requirements:	12/24V DC Battery Only
Ammeter:	5mA-21A
Max. Opt. Pressure:	120 psi
Connection Type:	7-Way Round Pin
Controls:	Tablet, Remote or Manual
Tablet:	Android OS
Bluetooth®:	4.0 or Newer
Switches:	Stainless Steel, Waterproof
Materials:	16 Gauge Powder-Coated Steel
Weight:	54 lbs.
Dimensions:	16 ½" W x 21 ½" H x 19" D
Base Extension:	Up to 33"

Wide-Angle View LCD Screens Readable in Direct Sunlight

Sealed, Waterproof Face with Illuminated Stainless Steel Pushbutton Switches



Includes

8" Rugged Tablet, 12-Button Remote Control, 20' 7-Way Cable, 20' Gladhand Hoses with Handles, Bluetooth® Antenna, 5' Bluetooth® Antenna Extension Cable and Power Cable

Also Available

#5611A ALPHA MUTT® (2ND GEN) W/ ABS & SLIDE-OUT BASE (NO TABLET)
#5610A-RT8 ALPHA MUTT® (2ND GEN) W/ ABS & RUGGED TABLET (NO SLIDE-OUT BASE)
#5610A ALPHA MUTT® (2ND GEN) W/ ABS (NO TABLET OR SLIDE-OUT BASE)

#5510A-RT8 ALPHA MUTT® (2ND GEN) WITH ABS AND RUGGED TABLET

For Those Who Need the Flexibility Between Shop and Service-Trucks

MADE IN USA

3-YEAR WARRANTY

BENCH-TOP MODEL



Bench-Top Model Features and Benefits

- Tests continuity to trailer connectors of tractor
- Tests air brake output at tractor gladhands
- Two dual-line, 32-character, sealed LCD screens optimized for outdoor use with backlighting for nighttime, sunlight-readable for daytime and wide-angle view
- Oversized grab/tie down handles with three mounting options: hang from a truck or wall, mount to a cart, or carry around shop
- Models available with a built-in LiFePO4 battery for safe, one-man, turnkey diagnostics



Bench-Top Model Specifications

Input/Output:	20A @ 12/24V DC
Internal Battery Dimensions:	Group 14 (or similar) Not Included
Input Requirements:	12/24V DC Battery Only
Ammeter:	5mA-21A
Max Opt. Pressure:	120 psi
Connection Type:	7-Way Round Pin
Controls:	Tablet, Remote or Manual
Tablet:	Android Operating System
Bluetooth®:	4.0 or Newer
Materials:	16-Gauge Powder-Coated Steel
Weight:	56 lbs.
Dimensions:	*w/ Handles/Brackets* 22" W x 31" H x 14 ½" D *w/o Handles/Brackets* 17" W x 31" H x 14 ½" D



Carry Handle



Bottom Mount



Back Mount

Tri-Mount Design

Includes

8" Rugged Tablet, 12-Button Remote Control, 12' 7-Way Cable, 12' Gladhand Hoses with Handles, Bluetooth® Antenna, 5' Bluetooth® Antenna Extension Cable and Power Cable

Also Available

#5510A ALPHA MUTT® (2ND GEN) WITH ABS (NO TABLET)
#5510A-L4RT8 ALPHA MUTT® (2ND GEN) WITH ABS, BUILT-IN BATTERY AND RUGGED TABLET
#5510A-L4 ALPHA MUTT® (2ND GEN) WITH ABS AND BUILT-IN BATTERY (NO TABLET)

#5410A ALPHA MUTT® (2ND GEN) WITH ABS

Less Space, Less Weight, Same Functionality

MADE IN USA

Features and Benefits

3-YEAR WARRANTY

- 9" deep design fits most service body boxes
- Easily hang from a service-bay wall or mount on a PM cart for portable testing
- Optional two-layer tactical case for storing and transport
- Customizable Air & Power inlets to fit your specific needs

SLIM LINE







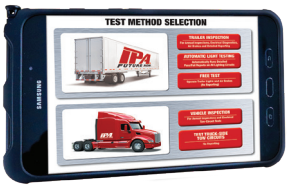


Specifications

Input/Output:	20A @ 12/24V DC
External Power Requirements:	12/24V DC Battery Only
Ammeter:	5mA-21A
Max Opt. Pressure:	120 psi
Connection Type:	7-Way Round Pin
Controls:	Tablet, Remote or Manual
Tablet:	Android Operating System
Bluetooth®:	4.0 or Newer
Materials:	16-Gauge Powder-Coated Steel
Weight:	25 lbs.
Dimensions:	16" W x 18 ½" H x 9" D

Available Upgrades

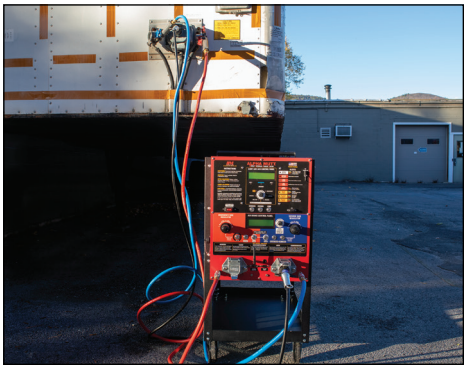
- 8" Military-Grade Rugged Tablet
- IPA® Diagnostic Software Suite



Includes

2nd Gen 12-Button Remote Control, 12' 7-Way Cable, 20' Gladhand Hoses with Handles and Power Cable





#9008-DL SUPER MUTT® PRO EDITION

Advanced, Remote-Controlled, Diagnostic Trailer Testers

SHOP MODEL

MADE IN USA

ELECTRICAL TESTING (12/24 Volt Operation)

- Power lights: Manually, All-On, Auto Scan, or by Remote Control
- Audible and visual alerts: cross, open, overloaded, short circuit and ground integrity indication
- Pulsar mode allows diagnostic repair
- Amperage readout and range (0-20 amps)

3-YEAR WARRANTY

AIR BRAKE TESTING

- Performs leak-down test on service and emergency lines
- Remote control allows observation of slackers to measure and adjust pushrods
- Real time, repetitive brake activation to find developing problems and verify leaking servo cans

REMOTE CONTROL

- Included 12-button remotes provide 200+ ft. range
- Sync multiple (up to 12) remotes to one unit



Specifications

Input/Output:	20A @ 12/24V DC
Internal Battery Dimensions:	Group 31 (or similar) Not Included
Input Requirements:	12/24V DC Battery Only
Air Input:	120 psi Shop Air
Connection Type:	7-Way Round Pin
Controls:	Manual, Remote, Automatic
Materials:	Steel Construction
Weight:	56 lbs.
Dimensions:	21" W x 39" H x 14 ½" D



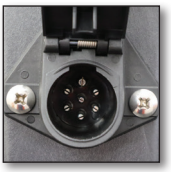
#9008-SE Base Model Includes

12-Button Remote Control, 5' 7-Way Cable, and 8' Gladhands





7-Way Round Pin Connection



#9008-DL PRO EDITION Includes

#9008-SE Accessories, 12-Button Remote Control, 10A Smart Battery Charger and Face/Battery Shield



#9005A SUPER MUTT®

Diagnostic Light, Air Brake and ABS Tester Designed for Service Trucks and Mobile Applications

MADE IN USA

3-YEAR WARRANTY

BENCH-TOP MODEL



Specifications

Input/Output:	20A @ 12/24V DC
Internal Battery Dimensions:	Group 14 (or similar) Not Included
Input Requirements:	12/24V DC Battery Only
Air Input:	120 psi Shop Air
Connection Type:	7-Way Round Pin
Controls:	Manual, Remote, Automatic
Materials:	Steel Construction
Weight:	26 lbs.
Dimensions:	16" W x 11 ½" H x 12" D

Includes

(2) 12-Button Remote Controls, 5' 7-Way Cable, External Battery Connector, 8' Gladhands, 500mA Battery Charger and Face Shield

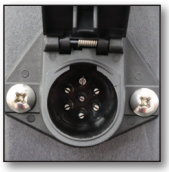


#9005A-EXT – 12' Gladhands and 12' 7-Way Cable

Optional Battery Not Included



7-Way Round Pin Connection



#M2000 NATO MUTT®

Quickly Troubleshoots and Repairs Military and Commercial Trailer Lights, Air Brakes and ABS

SHOP MODEL



MADE IN USA

3-YEAR WARRANTY

The **NATO MUTT®** is designed for on or off-site inspections.

Specifications

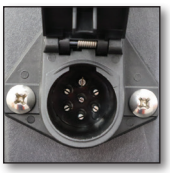
Input/Output:	20A @ 12/24V DC
Internal Battery Dimensions:	Group 31 (or similar) Not Included
Input Requirements:	12/24V DC Battery Only
Connection Type:	12-Pin STANAG 4007 NATO & 7-Way Round Pin
Controls:	Manual, Remote, Automatic
Materials:	Steel Construction
Weight:	40 lbs.
Body Dimensions:	21" W x 39" H x 14 ½" D

Includes

(2) 12-Button Remote Controls, 5' 7-Way Cable, 8' Gladhands, 10A Smart Battery Charger and Face Shield



7-Way Round Pin and 12-Pin NATO Connections





#4105 SMART MUTT® X

A Universal, Remote-Controlled, Diagnostic Light Tester for All North American Trailers

3-YEAR WARRANTY

MADE IN USA

Built to facilitate a one-man lights and electric brake testing operation, the **Smart MUTT® X** is designed to be used on five trailer connection types.

Specifications

Input/Output:	20A @ 12/24V DC
Internal Battery Dimensions:	Group 14 (or similar)
Input Requirements:	12/24V DC Battery Only
Connection Type:	7-Way Round & 7-Way Flat Pin (6-Way Round, 4/5-Pin with Adapter)
Controls:	Manual, Remote, Automatic
Materials:	Steel Construction
Weight:	11.5 lbs.
Dimensions:	21" W x 8 ¾" H x 9 ½" D

BENCH-TOP MODEL



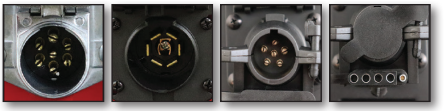
Includes

12-Button Remote Control, 3-Way Trailer Adapter and 500mA Battery Charger



7-Way Round Pin Connection

7-Way Flat Pin Connection Adapts to 6-Way Round and 4/5 Pin



Also Available

#4105-L4 SMART MUTT® X WITH BUILT-IN BATTERY

#4205 SMART MUTT® X PRO EDITION

A Universal, Remote-Controlled, Mobile Diagnostic Light Tester for All North American Trailers

SHOP MODEL

MADE IN USA

3-YEAR WARRANTY

Features a rugged cart body for one-man lights and electric brake testing operation on 7-way flat (spade), 7-way round, 6-way round, 5-pin and 4-pin connections.

Specifications

Input/Output:	20A @ 12/24V DC
Internal Battery Dimensions:	Group 31 (or similar) Not Included
Input Requirements:	12/24V DC Battery Only
Connection Type:	7-Way Round & 7-Way Flat Pin (6-Way Round, 5-Pin and 4-Pin with Adapter)
Controls:	Manual, Remote, Automatic
Materials:	Steel Construction
Weight:	31 lbs.
Dimensions:	21" W x 36" H x 15" D



Includes

(2) 12-Button Remote Controls, 5' 7-Way Cable, 3-Way Trailer Adapter and 10A Smart Battery Charger



7-Way Round Pin Connection

7-Way Flat Pin Connection Adapts to 6-Way Round and 4/5 Pin



#9007A SMART MUTT® (7-WAY ROUND PIN)

A Portable Unit for Commercial Trailer Lighting and ABS

3-YEAR WARRANTY

MADE IN USA

Built to facilitate a one-man testing operation, the **Smart MUTT®** reduces guesswork and inspection time to prevent electrical and ABS failures that lead to expensive road calls and citations.

BENCH-TOP MODEL



Specifications

Input/Output:	20A @ 12/24V DC
Internal Battery Dimensions:	Group 14 (or similar) Not Included
Input Requirements:	12/24V DC Battery Only
Connection Type:	7-Way Round Pin
Controls:	Manual, Remote, Automatic
Materials:	Steel Construction
Weight:	15 lbs.
Dimensions:	16 ½" W x 9" H x 9 ½" D

Optional Battery Not Included



7-Way Round Pin Connection



Includes

12-Button Remote Control, 5' 7-Way Cable and 500mA Battery Charger







LIFEPO4 LITHIUM IRON PHOSPHATE BATTERY

An Environmentally Safe, Long Lasting and Stronger Battery!

LiFePO4 (Lithium Iron Phosphate) batteries are superior to other lithium and lead acid batteries in many ways. They are safer for users and the environment, require little to no maintenance, have longer lifespans with better charging/discharge efficiency, and are lighter in weight.

IPA® chose to use the LiFePO4 battery in our Mobile Universal Trailer Testers specifically for the overwhelming advantages they offer not only to the tester, but to the user as well. Proper trailer testing is hard enough, let an IPA® LiFePO4 battery-powered MUTT® make things easier.

LiFePO4 Battery Features and Benefits

- Lithium iron phosphate composition is non-toxic and naturally non-combustible
- Lighter and safer than standard lithium ion batteries
- Stronger charge efficiency and greater discharge capabilities
- Longer lifespan - get more inspections out of one charge
- No memory effect - will not loose charge longevity over time
- Withstands extreme temperatures (-4°-165°F)

LiFePO4 Battery Available with

- Alpha MUTT® (2nd Gen) with ABS Bench-Top Models (#5510A Series)
- Super MUTT® Service-Truck Models (#9005A Series)
- Smart MUTT® Models (#9007A and #4105 Series)
- Ranger MUTT® Models (#4300A, #9102 and #9101 Series)

#4300A-L4 SUPER RANGER MUTT® WITH ABS

Ultra-Portable, Battery-Powered and Remote-Controlled Advanced-Diagnostic Trailer Tester for ABS and Lights

MADE IN USA

3-YEAR WARRANTY

Test the trailer without a truck! This turnkey, advanced ABS and lights diagnostic tool includes a built-in LiFePO4 battery, is microprocessor controlled, and features state-of-the-art current sensing, computer-controlled circuit protection, live circuit monitoring with automatic fault alerts, as well as digital voltage and amperage draw readout.

ELECTRICAL TESTING (12-Volt Operation)

- Automatic cross, open, overload, short and ground fault detection
- Highly accurate digital ammeter with 5mA resolution
- Chase down short circuits with Pulsar mode
- Ground failure detection: differentiates between wire and chassis ground
- Controls lights by remote or manually

ABS TESTING

- Reads and clears codes on LCD screen
- Accesses ECU data; manufacturer, make, model, etc.
- Displays diagnostic troubleshooting information
- Automatically detects corroded ABS wires and faulty ECU's with patent-pending technology

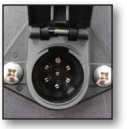
REMOTE CONTROL

- Included 12-button remote provides 200+ ft. range
- Sync multiple (up to 12) remotes to one unit





7-Way Round Pin Connection



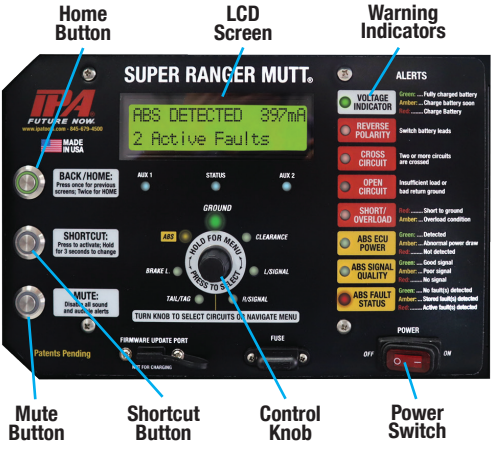
Specifications

Input:	12V DC
Output:	10A @ 12V DC
Ammeter:	Digital 5mA Resolution
Built-In Battery:	Lithium Iron Phosphate (LiFePO4)
Connection Type:	7-Way Round Pin
Controls:	Manual, Remote, Automatic
Weight:	11.3 lbs.
Dimensions:	17" W x 11" H x 9" D

Includes

12-Button Remote Control, 8' 7-Way Cable and 500mA Battery Charger





#9102 HEAVY RANGER® MUTT®

Portable, Water-Resistant Trailer Tester for Lights and Electric Brakes on Commercial Trailers

MADE IN USA

Features and Benefits

- Tests 7-way round pin trailer-side harnesses
- Short circuit protection
- Turn signal simulation and power verification LED
- Analog diagnostics
- Water-resistant case with internal battery compartment

Specifications

Input:	12V DC
Output:	10A @ 12V DC
Battery Type:	Group 14 or Similar (Not Included)
Battery Dimensions:	5 7/8" L x 3 3/8" W x 5 3/4" H
Overload Protection:	Automatic Resetting Internal Breaker
Connection Type:	7-Way Round Pin
Controls:	Manual Control Knob
Weight:	2 lbs. (Empty)
Dimensions:	11" W x 7" H x 5" D



7-Way Round Pin Connection

Includes

500mA Battery Charger

Also Available

#9102-D20C HEAVY RANGER® MUTT® COMPATIBLE WITH DEWALT® 20V BATTERIES
#9102-18C HEAVY RANGER® MUTT® COMPATIBLE WITH MILWAUKEE® 18V BATTERIES

#9101 LIGHT RANGER MUTT®

Portable, Water-Resistant Trailer Tester for Lights and Electric Brakes on Boat, RV and Utility-Type Trailers

MADE IN USA

Features and Benefits

- Tests 7-way flat (spade), 6-way round and 4/5 pin trailer-side harnesses
- Short circuit protection
- Turn signal simulation and power verification LED
- Analog diagnostics
- Water-resistant case with internal battery compartment

Specifications

Input:	12V DC
Output:	10A @ 12V DC
Battery Type:	Group 14 or Similar (Not Included)
Battery Dimensions:	5 7/8" L x 3 3/8" W x 5 3/4" H
Overload Protection:	Automatic Resetting Internal Breaker
Connection Type:	7-Way Flat (Spade) Pin
Controls:	Manual Control Knob
Weight:	2 lbs. (Empty)
Dimensions:	11" W x 7" H x 5" D





7-Way Flat Pin Connection
Adapts to 6-Way Round and 4/5 Pin











Includes

500mA Battery Charger and 3-Way Trailer Adapter

Also Available

#9101-D20C LIGHT RANGER MUTT® COMPATIBLE WITH DEWALT® 20V BATTERIES
#9101-18C LIGHT RANGER MUTT® COMPATIBLE WITH MILWAUKEE® 18V BATTERIES

#4001-D20 MINI MUTT®

Power and Test Boat, Utility and Small Cargo Trailers Without a Truck – Plug-and-Play Trailer Tester Using DeWalt® Compatible Batteries

MADE IN USA OF GLOBAL COMPONENTS

The **MINI MUTT®** is an automatic, plug-and-play, 4-pin trailer tester that quickly verifies proper lighting operation with a built-in power-tool battery adapter for use with DeWalt® compatible batteries. Simply install a 20V battery into the MINI MUTT®, plug it into a trailer and turn it on for automatic testing that powers all trailer lights, simulates flashers and protects against short circuits; no truck, cables, or additional adapters required. This compact, durable unit is designed to withstand heavy use with a convenient handle for hanging on trailer jack handles during inspections.



Features and Benefits

- Quickly power all circuits and test for shorts
- 30-second inspection tests tail, directional and brake light circuits
- Powers everything at once and simulates flashers
- Short circuit indication with automatic circuit protection
- All-in-one tester, no wires or cables needed
- Low-profile design with integrated power-tool battery adapter - use with 20V DeWalt® compatible batteries (battery not included)
- Convenient handle design keeps tester out of dirt and within eyesight

Specifications

Input Voltage:	20V DC
Battery Type:	20V DeWalt® Compatible Battery
Circuit Rating:	10-Amps Continuous
Circuit Protection:	Auto-Resetting Thermal Breaker
Trailer Connection:	4-Pin Flat
Enclosure Material:	Impact-Resistant ABS Plastic



Patent Pending





ADVANCED BATTERY CONVERTER INTEGRATION

IPA® utilizes a proprietary, power-management system with patent-pending architecture engineered to optimize power-tool batteries for trailer lighting and electric brakes. These integrated battery adapters stabilize current flow, extend battery life and protect against short-circuit damage. IPA® currently offers two versions, compatible with Dewalt® 20V or Milwaukee® 18V power-tool batteries. For users who want to protect their investment, save time on the job, and ensure total equipment reliability, IPA® technology is the professional choice.

- Safeguards trailer, circuitry and battery cell life
- Smart conversion to 12V for 20V or 18V power-tool batteries
- Significantly extends operational runtime
- Thermal management and RF neutralization ensures clean signals
- Precision-regulated power plant stabilizes current and provides failsafe barrier
- Prevents deep-cell damage to expensive power-tool batteries
- Patent-pending design







IPA® currently offers Advanced Battery Converter Integration on the Heavy Ranger®, Light Ranger and MINI MUTT® lines. Converters are not cross-compatible and must be selected for intended battery-style use. Call 845-679-4500 to speak with our Sales Team about upgrading one of our other MUTT® lines with this patent-pending, smart battery adapter.

DEWALT® is a trademark of Stanley Black & Decker, Inc. MILWAUKEE® and M18® are trademarks of Milwaukee Electric Tool Corporation. Innovative Products of America, Inc. is not affiliated with, authorized by, endorsed by, or sponsored by either company. Use of this adapter is not endorsed by either company and may affect the battery or tool warranty. Consult the battery manufacturer's terms for details.

Series	Body Type	Digital Readout	Tablet Capable	Circuit Diagnostics	ABS Diagnostics	Brake Testing
 **#5710A SERIES ALPHA MUTT® (2ND GEN) W/ ABS**	Shop Model	✓	 Optional	Short Circuit Protection, Cross and Open Circuit Sensing	 Yes	Digital Air Brake and Leakdown Testing 20-Amp Max Output Available
 **#5610A SERIES ALPHA MUTT® (2ND GEN) W/ ABS**	Service-Truck Model — or — Service-Truck Model with Slide-Out Base	✓	 Optional	Short Circuit Protection, Cross and Open Circuit Sensing	 Yes	Digital Air Brake and Leakdown Testing 20-Amp Max Output Available
 **#5510A SERIES ALPHA MUTT® (2ND GEN) W/ ABS**	Bench-Top Model	✓	 Optional	Short Circuit Protection, Cross and Open Circuit Sensing	 Yes	Digital Air Brake and Leakdown Testing 20-Amp Max Output Available
 **#5410A SERIES ALPHA MUTT® (2ND GEN) W/ ABS**	Slim-Line Model	✓	 Optional	Short Circuit Protection, Cross and Open Circuit Sensing	 Yes	Digital Air Brake and Leakdown Testing 20-Amp Max Output Available
 **#9008 SERIES SUPER MUTT®**	Shop Model	N/A	N/A	Short Circuit Protection, Cross and Open Circuit Sensing	No	Air Brakes 20-Amp Max Output Available
 **#9005A SERIES SUPER MUTT®**	Bench-Top Model	N/A	N/A	Short Circuit Protection, Cross and Open Circuit Sensing	No	Air Brakes 20-Amp Max Output Available
 **#M200 SERIES NATO MUTT®**	Shop Model	N/A	N/A	Short Circuit Protection, Cross and Open Circuit Sensing	 Yes	Air Brakes 20-Amp Max Output Available
 **#4205 SERIES SMART MUTT® X #4105 SERIES**	Shop Model — or — Bench-Top Model	N/A	N/A	Short Circuit Protection, Cross and Open Circuit Sensing	No	Electric Brakes 20-Amp Max Output Available
 **#4300A SERIES SUPER MUTT® W/ ABS**	Ultra-Portable	✓	N/A	Short Circuit Protection, Cross and Open Circuit Sensing	 Yes	10 Amp Max Output Available
 **#9101/9102 SERIES RANGER MUTT® ANALOG**	Ultra-Portable	N/A	N/A	Short Circuit Protection	No	10 Amp Max Output Available
 **#4001 SERIES MINI MUTT® ANALOG**	Ultra-Portable	N/A	N/A	Short Circuit Protection	No	N/A

Controls	Cable Length	Pin Type	Battery Type	Dimensions	Weight
Manual Control Knob, 12-Button Remote T10 Model: Standard Tablet RT8 Model: Rugged Tablet	12' 7-Way Cable and Gladhand Hoses with Extended Handles	7-Way Round Pin (J560)	Group 31 (Dual Capacity)	45" H x 22 ½" W x 20 ½" D (61" H with Lid Open)	85 lbs.
Manual Control Knob, 12-Button Remote RT8 Model: Rugged Tablet	20' 7-Way Cable and Gladhand Hoses with Extended Handles	7-Way Round Pin (J560)	External Power	19 ½" H x 15 ½" W x 17" D — or — 21 ½" H x 16 ½" W x 19" D (33" D when Extended)	46 lbs. — or — 54 lbs.
Manual Control Knob, 12-Button Remote T10 Model: Standard Tablet RT8 Model: Rugged Tablet	12' 7-Way Cable and Gladhand Hoses with Extended Handles	7-Way Round Pin (J560)	Base Models use External Power L4 Model: Built-In LifePO4 Battery or External Power	14 ¾" H x 21 ½" W x 14 ¾" D (30 ¾" H with Lid Open)	58 lbs.
Manual Control Knob, 12-Button Remote; Tablet Upgradable	20' 7-Way Cable and Gladhand Hoses with Extended Handles	7-Way Round Pin (J560)	External Power	18 ½" H x 16" W x 9" D	25 lbs.
Manual Control Knob, 12-Button Remote	5' 7-Way Cable, 8' Gladhand Hoses	7-Way Round Pin (J560)	Group 31 Optional External Power Input	39" H x 21" W x 14 ½" D	56 lbs.
Manual Control Knob, 12-Button Remote	5' 7-Way Cable, 8' Gladhand Hoses	7-Way Round Pin (J560)	Group 14 Optional External Power Input	11 ¼" H x 16" W x 12" D	26 lbs.
Manual Control Knob, 12-Button Remote, Automatic	5' 7-Way Cable	12-Pin STANAG 4007 NATO, 7-Way Round Pin (J560)	Group 31 or External Power	21" W x 39" H x 14 ½" D	40 lbs.
Manual Control Knob, 12-Button Remote	5' 7-Way Cable	7-Way Round Pin (J560), 7-Way Flat Pin (J2863), 6-Way Round Pin, 4/5 Pin	Group 31 — or — Group 14 L4 Model: Built-In LiFePO4 Battery	36" H x 21" W x 15" D — or — 8 ¾" H x 21" W x 9 ½" D	31 lbs. — or — 11.5 lbs.
Manual Control Knob, 12-Button Remote	8' 7-Way Cable	7-Way Round Pin (J560)	Built-In LiFePO4 Battery	11" H x 17" W x 9" D	11.3 lbs.
Manual Control Knob	N/A	7-Way Round Pin (J560) — or — 7-Way Flat Pin (J2863), 6-Way Round Pin, 4/5 Pin	Group 14 Power Tool Battery Adapters Available for 20V and 18V Batteries	5" H x 6" W x 4" D	2 lbs.
Automatic	N/A	4-Pin Flat	Power Tool Battery Adapters Available for 20V Batteries	8 ½" H x 4 ¼" W x 3 ¾" D	1.5 lbs.

#9200A TACTICAL TRAILER TESTER FIELD KIT W/ ELECTRIC BRAKE FORCE METER

Test and Clean Tow Circuits on All Trucks and Trailers in North America

MADE IN USA OF GLOBAL COMPONENTS

- Tests all truck-side tow circuits
- Tests all trailer circuits
- Cleans all truck and trailer electrical connections
- Custom case is water and crushproof and features a Pressure Equalizer (Purge) Valve
- Lifetime warranty on case



Includes

Electric Brake Force Meter, Heavy Ranger® MUTT®, 8' 7-Way Round Cable, 500mA Battery Charger, 3-Way Trailer Adapter, Diamond-Tip Electrical Terminal Cleaners, 7-Way Round to 7-Way Flat Adapter, 4/5 Pin Trailer Harness Checker, Truck and Trailer Pin Master Cleaner Set, 6-Way Round Pin Trailer Circuit Tester, 7-Way Round Pin Tractor Trailer Circuit Chaser®, 7-Way Flat (Spade) Pin Trailer Circuit Tester

Also Available

#9200A-D20C TACTICAL TRAILER TESTER FIELD KIT WITH ELECTRIC BRAKE FORCE METER AND DEWALT® 20V COMPATIBLE HEAVY RANGER®

#9200A-18C TACTICAL TRAILER TESTER FIELD KIT WITH ELECTRIC BRAKE FORCE METER AND MILWAUKEE® 18V COMPATIBLE HEAVY RANGER®

#9107B ELECTRIC BRAKE FORCE METER W/ DYNAMIC LOAD SIMULATION & CIRCUIT TESTING

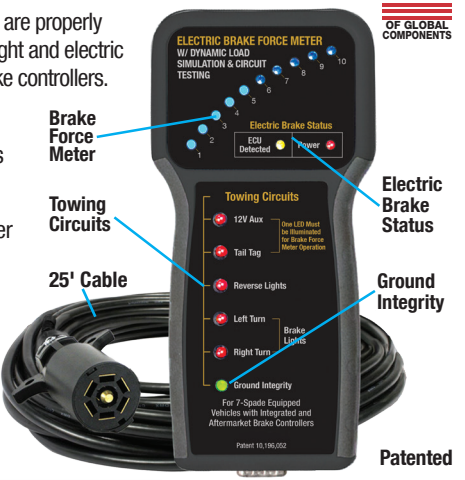
Simulates Trailer Load and Tests All Truck-Side Circuits

MADE IN USA OF GLOBAL COMPONENTS

An all-in-one tester that can verify a vehicle's trailering circuits are properly functioning. Patented technology accurately simulates trailer light and electric brake loads to test modern vehicles with integrated trailer brake controllers.

Features and Benefits

- Includes 2023 updates for the latest model year vehicles
- Tests vehicle trailer light and electric brake systems
- Patented technology works with modern integrated trailer brake controllers and aftermarket brake controllers
- 25' cable allows one-man, in-cab testing of brake controller and all truck-side tow circuits
- Use to verify that the vehicle's adaptive (speed/load sensitive) brake-controller output is functioning properly
- Comes in a soft nylon case





Real-Time Brake Force Output Gain and Timing



Complete One-Man Solution with In-Cab Testing



7-Way Flat (Spade) Vehicle Female Socket (Front View)

TOWING MAINTENANCE KITS

Test, Clean and Restore Connectors and Terminals on Cars, Trucks, Agricultural, Industrial, Landscaping, Contracting, Sporting and Fleet Connections

ASSEMBLED IN USA FROM GLOBAL COMPONENTS

- Quickly test, clean and repair truck and trailer connectors
- Extend harness life
- Great preventative maintenance tools
- Promote safety and limit road hazards
- Terminal Chaser™ can be used as a pin-wear gauge



#8029 7-WAY ROUND PIN TOWING MAINTENANCE KIT WITH TERMINAL CHASER™

Includes

- #7865L: 7-Way Round Pin Tractor Trailer Circuit Chaser®
- #8024: 7-Way Round Pin Terminal Chaser™ Set





Patented

#8028 7-WAY FLAT (SPADE) PIN TOWING MAINTENANCE KIT WITH TERMINAL CHASER™

Includes

- #7893: 7-Way Flat (Spade) Pin Trailer Circuit Tester
- #8023: 7-Way Flat (Spade) Terminal Chaser™ Set





Patented

#8027 6-WAY ROUND PIN TOWING MAINTENANCE KIT WITH TERMINAL CHASER™

Includes

- #7897: 6-Way Round Pin Trailer Circuit Tester
- #8021 and #8022: 6-Way Round Pin Terminal Chaser™ Set





Patented

#8026 4/5 PIN TOWING MAINTENANCE KIT WITH TERMINAL CHASER™

Includes

- #7866: 4/5 Pin Trailer Harness Checker
- #8021: 4/5 Pin Terminal Chaser™





Patented

TRAILER CIRCUIT TESTERS, ADAPTERS, AND MAINTENANCE KITS

Test Towing Circuits at the Back of the Truck

The trailer circuit testers allow one man to test trailer circuits quickly and easily.

- Plugs into the vehicle side socket
- LEDs indicate that each circuit is working
- Winged grip for easy installation and removal





#7865L 7-WAY ROUND PIN TRACTOR TRAILER CIRCUIT CHASER®



"One-man testing" for male and female 7-way round pin tractor trailer plugs.

- Allows bypassing of troubled circuitry while on the road
- Packaged with a brass jumper

#7893 7-WAY FLAT (SPADE) PIN TRAILER CIRCUIT TESTER



Tests trailer circuits from the tow vehicle quickly and easily on most light and medium-duty trucks and RVs.

#7897 6-WAY ROUND PIN TRAILER CIRCUIT TESTER



Tests trailer circuits from the tow vehicle quickly and easily on older light and medium-duty trucks and RVs.

#7866 4/5 PIN TRAILER HARNESS CHECKER



Allows one man to trace each lighting function to the terminal in question.

#8000 3-WAY TRAILER ADAPTER



Connect 7-way flat (spade) pin terminal connections to 6-way round pin and 4/5 pin trailer connections.

- Sealed plugs to keep dirt and road debris from corroding connections

#TSTPK1 MULTI TRAILER TESTER JOBBER PACK



All the popular trailer circuit testers in one clamshell.

Includes

#7866: 4/5 Pin Trailer Harness Checker

#7897: 6-Way Round Pin Trailer Circuit Tester

#7893: 7-Way Flat (Spade) Pin Trailer Circuit Tester

#7865L: 7-Way Round Pin Tractor Trailer Circuit Chaser® (Includes One Brass Jumper)

#8000: 3-Way Trailer Adapter (7-Way Flat Pin To 6-Way Round Pin and 4/5 Pin)

#7867A 7-WAY ROUND TRACTOR TRAILER TERMINAL CHASER™ BRUSH

Quickly Clean Tractor Trailer Plug and Socket Connections

NEW

The **7-Way Round Tractor Trailer Terminal Chaser™ Brush** completely removes corrosion from tractor trailer cables and socket connections with one simple push-and-pull action. The brushes are arranged to perfectly line up with connector pins for precision cleaning. The innovative, patent-pending design also includes an oversized, integrated, ergonomic handle made from solid core ABS plastic with a rubber overlay double grip. This allows the user to fully insert cable ends into the brush housing and remove all pin corrosion with one action.

- Easily and effectively cleans 7-way round pin, male and female trailer plug and socket connections
- Removes corrosion and improves electrical connections
- Helps to eliminate guesswork associated with bad grounds and intermittent open circuits
- Heavy-duty design with precision-made brushes
- Includes a removable protective cap



Patented

#8048 HD FLEET TERMINAL CHASER™ MASTER SET

Specially Designed Tools for Cleaning All Vehicle Electrical Connections in Commercial Heavy-Duty Fleets

ASSEMBLED IN USA FROM GLOBAL COMPONENTS

Cleans and restores male and female terminals on fleet connections.

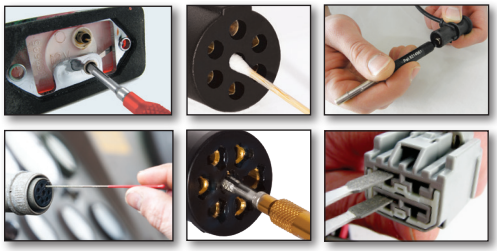
- Removes corrosion and extends harness life
- Ensures proper diagnostic connectivity
- Connector types: Deutsch, Cannon, 7-way round pin, Bullet, Weather Pack, common ABS sensor and power connectors, trailer light connectors, common plow connections, etc.



Patented

Includes

- Large and Small Flat-Pin Terminal Chaser™
- 7-Way Round Pin Terminal Chaser™ Set
- ABS Sensor/Power Terminal Chaser™
- 10 Diamond Micro-Round Terminal Chaser™
- Trailer Light Bullet Terminal Chaser™
- SWAB-EEZ®
- Premium-Quality Holster with Magnetic Clasp



#8044 MASTER TRAILER TERMINAL CHASER™ SET

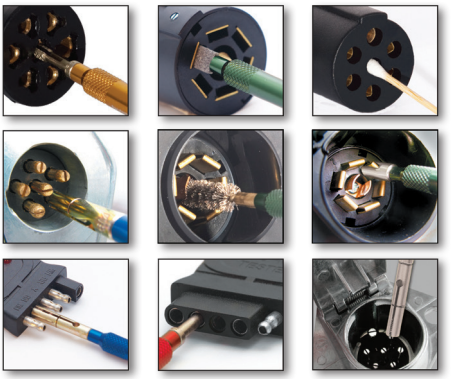
LIFETIME WARRANTY

ASSEMBLED IN USA FROM GLOBAL COMPONENTS

The Only Set of Tools to Clean Every North American Trailer Connector

Clean and restore male and female connectors on any trailer connection used in North America.

- Maintains continuity and helps prevent circuit failure
- Cleans and resizes trailer pins
- Removes corrosion and increases harness life





Patented

Includes

- 4/5 Pin Terminal Chaser™
- 6-Way Round Pin Terminal Chaser™
- 7-Way Flat (Spade) Pin Terminal Chaser™
- 7-Way Round Pin Terminal Chaser™
- SWAB-EEZ®
- Premium-Quality Holster with Magnetic Clasp

#8025 LIGHT-DUTY TRUCK AND TRAILER TERMINAL CHASER™ SET

LIFETIME WARRANTY

For Light-Duty Truck and Trailer Connectors

ASSEMBLED IN USA FROM GLOBAL COMPONENTS

Clean and resize male and female connectors on 7-way flat (spade), 6-way round and 4/5 pin terminals.

- Services tail and side-marker light assemblies
- Maintains continuity and prevents circuit failure
- Quickly cuts away corrosion

Includes

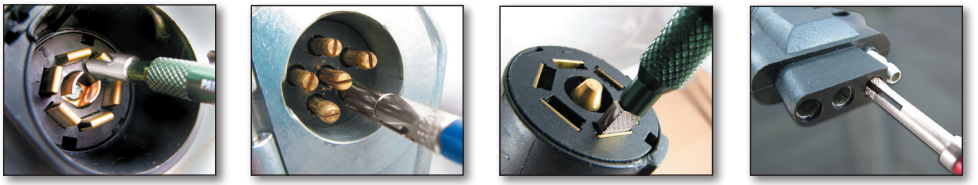
#8021 - For 4/5 Pin Male and Female and 6-Way Round Pin

#8022 - For 4/5 Pin Male and Female and 6-Way Round Pin Male and Female

#8023 - For 7-Way Flat (Spade) Pin Male and Female



Patented



#8024 7-WAY ROUND PIN TERMINAL CHASER™ SET

LIFETIME WARRANTY

For Commercial Truck and Trailer Connectors

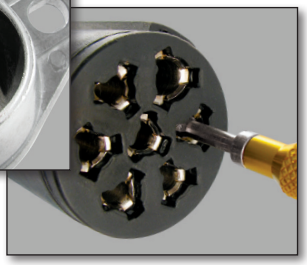
ASSEMBLED IN USA FROM GLOBAL COMPONENTS

Clean and resize male and female 7-way round pin tractor trailer connectors.

- Maintains continuity and prevents circuit failure
- Quickly and precisely cuts away corrosion
- Enhances electrical contact points and extends harness life
- Use as a pin-wear gauge
- Male and female Terminal Chaser™ included



Cleans and resizes male...



...AND female connectors



Patented

#8045 FISHER/WESTERN TERMINAL CHASER™ SET

LIFETIME WARRANTY

The First Set of Tools for Cleaning Dirty, Corroded Plow Connectors

ASSEMBLED IN USA FROM GLOBAL COMPONENTS

Clean and restore male and female electrical plow connectors used on most Fisher, Meyer, Western plows, etc.

- Removes corrosion and increases harness life
- Repairs intermittent electrical connections

Includes

- Small, medium and large male and female Terminal Chaser™
- Premium-quality holster with magnetic clasp









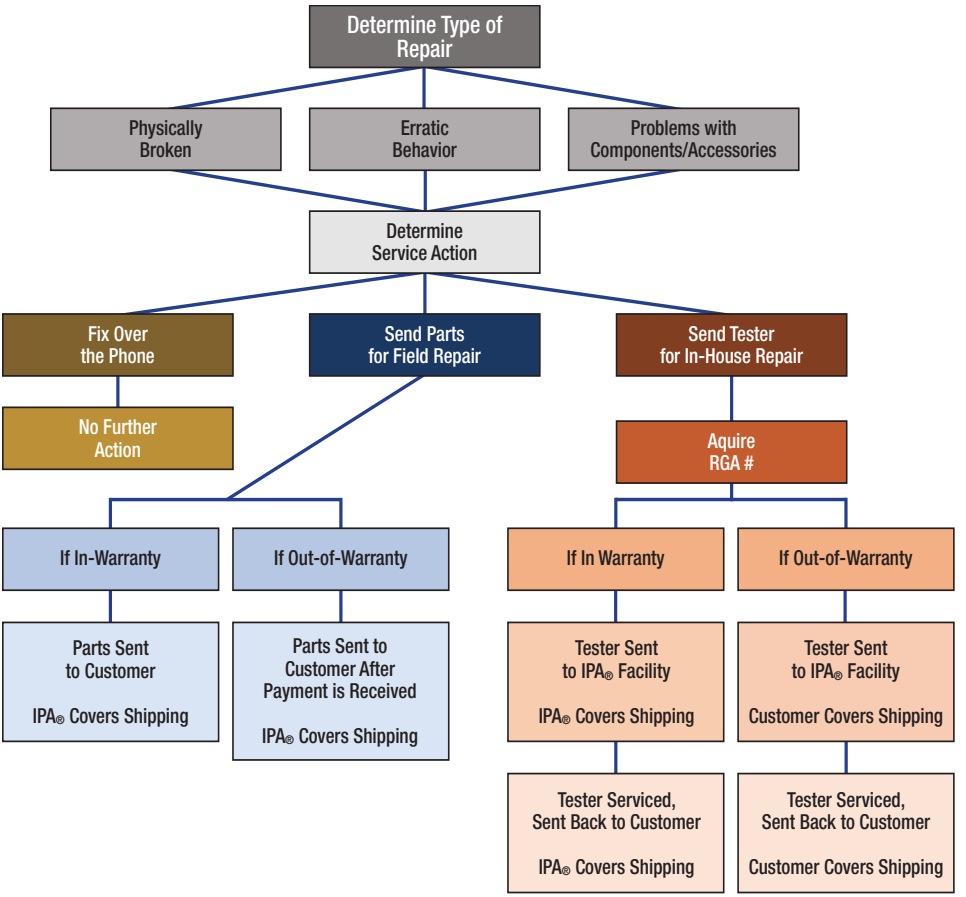
Patented

IPA® Support and Service

Did you know Innovative Products of America® offers a 24-Hour Repair or Replace Policy that is second-to-none? IPA® is a USA manufacturer that services and supports our own equipment in Woodstock NY, regardless of where or how you purchased your unit. When you contact Tech Support, you will always get knowledgeable technicians ready to help with any question, field update or in-house repair.

- Speak directly to an IPA® technician; No call-center or third-party support
- 24-hr (business day) turnaround for in-house repairs
- Techs on standby for support with in-field updates
- 3-year warranty on all diagnostic equipment
- IPA® continues to service units even when out-of-warranty; if we have the parts, we will fix it
- IPA® pays shipping on most repairs

Call 845-679-4500 or 888-786-7899 (Toll Free)



Warranty Information

Innovative Products of America® Incorporated has established a Lifetime, 3-Year, 2-Year or 1-Year Warranty Policy, depending on each tool. Each warranty is suited to an individual product and complete warranty information is included with the product or supplied upon request.

LR Lifetime Warranty/Return or Replace Policy: These products are covered for their normal lifetime under the stipulation of the Standard Warranty.

5YR 5-Year Limited Warranty/Return or Replace Policy: These products are covered for 5 years from date of original user purchase under the stipulations of the Standard Warranty.

3YR 3-Year Limited Warranty/Return or Replace Policy: These products are covered for 3 years from date of original user purchase under the stipulations of the Standard Warranty.

2YR 2-Year Limited Warranty/Return or Replace Policy: These products are covered for 2 years from date of original user purchase under the stipulations of the Standard Warranty.

1YR 1-Year Limited Warranty/Return or Replace Policy: These products are covered for 1 year from date of original user purchase under the stipulations of the Standard Warranty.

SATISFACTION GUARANTEED

Hours: (M-F) 8:30 am – 5:00 pm EST

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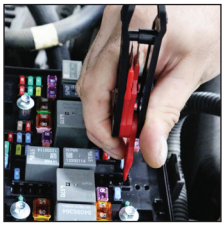
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(PAGE 1)

Pull, Clean and Restore Fuse Contacts to Help Reduce Voltage Drop and Intermittent Electrical Failures



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(PAGE 17)

Clean Valve Bodies, Bushings, Ports, Tubes, Holes, Channels, Sockets, Caliper Slides and Much More!



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Test Trailer Lights, Brakes and 12V Power Without a Truck; Avoid Blown Fuses and Guesswork!

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