IPA
FUTURE NOW®

AUTOMOTIVE • AGRICULTURE
FLEET • AVIATION • TIRE
INDUSTRIAL • MACHINE • MRO
FUEL/OIL • HVAC/PLUMBING
RENTAL • MARINE • MILITARY

PRODUCT CATALOG

USA MANUFACTURER OF INNOVATIVE TOOLS & EQUIPMENT SINCE 1991

2020

INNOVATIVE PRODUCTS OF AMERICA®
Available Through Your Local Tool Distributor

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.

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®

LIFETIME WARRANTY

Patents Pending

Cleans, Restores and Applies Solvents Under Pressure

The **Flow-Thru System w/ Brush & Venturi** is a versatile, first-time tool. It features stainless steel and abrasive nylon brushes, and a venturi that attaches to an ergonomic, anodized-aluminum handle with integrated flow control valve. It provides an unparalleled cleaning performance when air pressure is combined with degreasing solvent and simultaneous scrubbing action via the flow-through brush heads.

MADE IN USA

NEW

Features and benefits

- For cleaning, degreasing and application of various solvents
- Interchangeable twisted-wire stainless steel and industrial-strength nylon brushes
- Venturi allows for application of solvents under pressure, i.e. degreasers, rust converters, etc.
- Integrated flow valve for ultimate control with pressurized solvents
- Simultaneously dissolve, dislodge and brush away debris
- Unparalleled cleaning in parts washing sink or portable cleaning with air supply
- Self-cleaning design: uses less solvent and keeps work station cleaner
- Countless applications: parts washing, degreasing, on-engine cleaning, fluid evacuation and more

Includes

- Ergonomic Handle with Integrated Flow Valve (145 psi)
- Recessed High-Power Magnet (N40)
- Stainless Steel and Nylon Brush Heads
- Hose Barb Fitting
- Venturi Injector
- 6' Chemical-Resistant Hose
- Blow Molded Case

#7862-#7864 GREASE JOINT REJUVENATOR®

LIFETIME WARRANTY

Patented

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

#7863 GREASE JOINT REJUVENATOR® MASTER KIT

MADE IN U S A

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

#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

Other Pliers Have Limited Reach

3" Longer Reach

#8041 MANTUS™ 6" TIGHT ACCESS TOOL

#8050–#8053 AIR COMB® FILTER AND RADIATOR CLEANER | Patents Pending

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.

Assembled in USA from Global Components

- Focused, high-pressure output
- 5X the air volume
- Long-reaching, 90º airflow
- Accesses hard-to-reach areas
- Does not punch holes in air filters
- Available in four sizes

5X the air volume

Industries

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

#8050 - 12"

#8051 - 24"

#8052 - 36"

#8053 - 48"
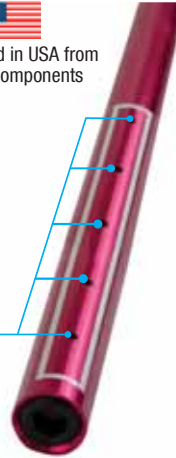
#7899 GATOR JAWS® | Patented

LIFETIME WARRANTY

The Most Versatile Filter Pliers for Cars, Trucks and Heavy-Duty Equipment

Built with a powerful grip and tremendous holding power, **Gator Jaws**® have 32 teeth that can firmly grab an over-tightened filter and loosen it from a variety of angles without slipping.

MADE IN U S A

- Works on oil, fuel and hydraulic filters, fuel sending units and more
- Snakes around hot exhaust manifolds
- 23" length
- Three different settings for optimum grip

8"

23"

New and improved!
Opens wider!

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

❶ Grind   ❷ Cut   ❸ Undercut

For Grinding, Deburring, Surface Prepping, Cutting Sheet Metal, Fiberglass and More

- Outperform standard grinding wheels; maintain diameter, last longer and cut faster
- Core bonding technology increases wheel life a minimum of 20X (2,000%) by exposing the full diamond particles, which provides maximum grinding performance
- Access hard-to-reach areas
- Low sparks, odor and debris
- Save time and cost

.125" Edge   2"   Versatile Topside Abrasive

.100" Edge   3"   Versatile Topside Abrasive

NEW

.150" Edge   4.5"   Versatile Topside Abrasive

Diamond Cutting Edge   Topside Abrasive

Brazed Diamond for Extra Long Grinding Life

Diamond Back Edge for Hard-to-Reach Areas

Thin Profile for Deep Cutting

Specifications	#8120	#8151	#8150
Size	2"	3"	4.5"
Material	Industrial diamonds brazed directly to steel wheel core. (Does not use segments.)		
Applications	For use on ferrous metals, concrete and ceramic. Can also be used on aluminum with proper lubrication.		
Speed	30,000 rpm Max.		14,000 rpm Max.
Arbor/Shank	¼" Shank	³/₈" Arbor with ¼" Shank Adapter	⅞" Arbor with ⅝" x 11 Threaded Adapter

#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

Square

Flat

Round

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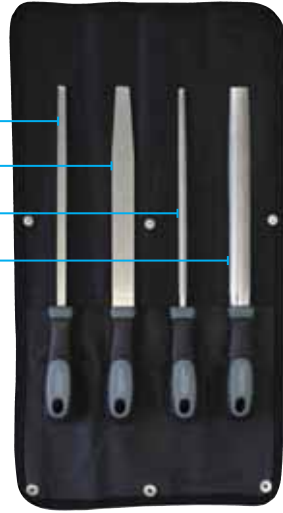
#8087-#8088 MICRO BORE AND VALVE-GUIDE BRUSH SET

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: $\frac{1}{8}$", $\frac{5}{32}$", $\frac{13}{64}$", $\frac{1}{4}$", $\frac{5}{16}$", $\frac{3}{8}$", $\frac{7}{16}$" and $\frac{1}{2}$"
- Durable, twisted wire for increased cleaning function
- Extra-large finger loop for enhanced control

3"

Available in
#8087 Stainless Steel
#8088 Brass

Shown in Brass

#8090B, #8090S PROFESSIONAL INJECTOR SEAT CLEANING KIT

Specially Designed to Clean Injector Seats and Bores 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

Helix Brushes

1.375"
1.1875"
1.160"
.990"

Two-Stage Brushes

1"
.750"
.500"

Bore Brushes

19mm
17mm
15mm
12mm
10mm
8mm

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

Shown in Brass

6" Flexible Extension

6" Rigid Extension
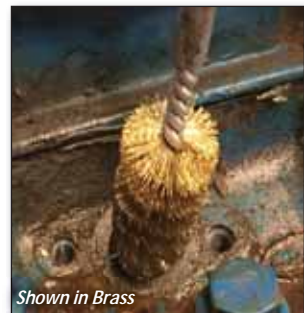
Driver Handle with Quick-Lock Coupler

#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

Brass Nylon Stainless Steel

#8004 FLEXIBLE EXTENSIONS (FOR THE BORE BRUSH SET)

Have Full Access to Clean Hard-to-Reach Areas

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

MADE IN
U S A

- 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

#8004D FLEXIBLE EXTENSIONS AND ¼" DRIVER HANDLE

#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

#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

#8081 Brass   **#8080 Stainless Steel**

#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

#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.

(Amp Probe Not Included)

— Amp Probe Loop

— On/Off Switch

- 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.

#9036-1	#9036-2	#9036-3	#9037-3	#9037-2	#9037-1
Domestic, Korean, Japanese 2000 & Newer	Domestic, Japanese 1970-2009	Volkswagen 1999-2005 Audi 2004-2006	GM, Chrysler, Japanese 1995-2007	BMW 1995-2006	GM, Chrysler, Japanese 1985-2009

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

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

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

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

MADE IN USA OF GLOBAL COMPONENTS

#8016 FUSE SAVER® MASTER KIT

Chases Down Short Circuits Without Blowing Fuses!

MADE IN
U S A

Provides a level of versatility in electronics testing (5-30 amps) never before available.

- Helps install radios, CD players, radar detectors and accessories with ease

- The BuzzAlert™ module plugs inline to your Fuse Saver® and sounds an alert when the circuit shorts

- The 6-piece Fuse Box Adapter Kit allows access to a wide variety of fuse boxes: FLF, FLS, JCase, MAXI, Female Maxi, screw-on style pal, European ceramic and all glass-style fuses

Includes

- 5 Color-Coded, Resetting Breaker Handles: 5, 10, 15, 20 and 30 amps

- #8005-7 Dual-Type Fuse Box Connector with 10' Cord

- #8011 BuzzAlert™

- #8014 Fuse Box Adapter Kit

Parts & Accessories

#8005-5AMP (5 amp Handle)	**#8005-20AMP** (20 amp Handle)
#8005-10AMP (10 amp Handle)	**#8005-30AMP** (30 amp Handle)
#8005-15AMP (15 amp Handle)	**#8005-EXT** (10' Ext. Cable)

#8005 FUSE SAVER® STANDARD KIT

No More Overheating Fuse Boxes!

MADE IN
U S A

The **Fuse Saver**® provides a fast and safe solution to the old methods of "smoke testing" a short.

- Allows a technician to move around a vehicle shake testing wires while looking for the short

- Dual-type fuse box connector with 10' cord eases the installation of radios, CD players, radar detectors and other accessory equipment

Includes

- 3 Color-Coded, Resetting Breaker Handles: 10, 15 and 20 amps

- #8005-7 Dual-Type Fuse Box Connector with 10' Cord

#7884 DISC BRAKE SYSTEM ANALYZER

LIFETIME WARRANTY

Patented

MADE IN U S A

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

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

LIFETIME WARRANTY

MADE IN U S A

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
- $6 \frac{1}{4}$" long (14mm thread)
- $\frac{1}{8}$" gradient marks
- Made of 1144 steel alloy with a stainless steel spring

#7880

#7886

#7886 TDC INDICATOR EXTENDED 10.75" (14MM THREAD)

- Same function as the #7880
- $10 \frac{3}{4}$" long (14mm thread)

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.

20º 0º 20º

X X
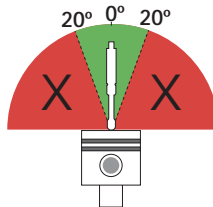
#7882 WHISTLE ALERT (RIGID)

LIFETIME WARRANTY

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

MADE IN
U S A

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

#7882

#7894 WHISTLE ALERT (FLEXIBLE)

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.

#7894

#7881 COMPRESSION GAUGE EXTENSION

LIFETIME WARRANTY

Patented

No More Stuck Compression Gauges

MADE IN
U S A

The **Compression Gauge Extension** brings a spark plug hole above the valve cover on engines with a deep spark plug socket or coil over design.

- No more difficulty removing threaded hoses from deep holes
- Easy to install and remove
- Adapters available for various applications
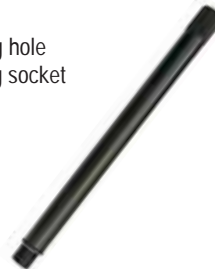
#7885, #7892 SPARK PLUG THREAD ADAPTERS

LIFETIME WARRANTY

#7885 SPARK PLUG HOLE ADAPTER
Enlarges 14mm to 18mm

MADE IN
U S A

Adapts any 14mm spark plug thread to an 18mm hole.

- Can be used as a temporary diagnostic adapter using a 14mm spark plug in an 18mm application

#7892 SPARK PLUG HOLE ADAPTER
Reduces 14mm to 12mm

MADE IN
U S A

Adapts any 14mm spark plug thread to a 12mm hole.

#8040 DIAMOND-TIP ELECTRICAL TERMINAL CLEANERS   Patented

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
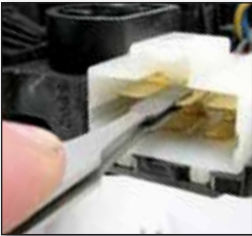
#8042 DIAMOND MICRO ROUND FILES

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

This 12-piece set of **Diamond Micro Round 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
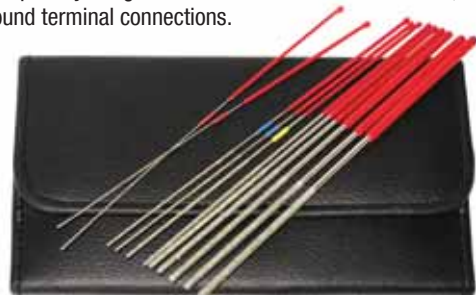
#8043 MICRO MALE ELECTRICAL PIN CLEANERS

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.

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

Includes

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

Innovative, contoured design

#8047 DIAMOND-COATED FLEXIBLE FLAT FILES

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

15mm   9mm   6mm

2X
Thinner than the smallest available file

17

#8086 LIGHT SOCKET BRUSH KIT

Corroded Light Bulb Sockets?

The new tufted end is specially designed to clean the entire light socket in one operation.

MADE IN
USA

Ergonomic Handle

- Special tufted end safely cleans the side and bottom of a light socket in one pass
- For 1156/1157 type light bulb sockets and $^5/_8$'' - $^3/_4$'' bores

Includes

- Brass brush for copper connectors and moderate corrosion
- Stainless steel brush for severe corrosion
- 2 ml Contact Cleaner
- SWAB-EEZ®

Special Tufted End

#8045 PLOW TERMINAL CLEANERS

Patented

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

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

Assembled in USA from Global Components

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

Includes

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

#8024 7-WAY ROUND PIN CONNECTOR CLEANERS   Patented

For Commercial Truck and Trailer Connectors

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

Assembled in USA from
Global Components

- 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 cleaners included

Male Cleaner

Cleans and
resizes male...

Easy Grip

...AND female
connectors

Female Cleaner

#8025 LIGHT-DUTY TRUCK AND TRAILER CONNECTOR CLEANERS   Patented

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

Assembled in USA from
Global Components

- 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

#8044 TRUCK AND TRAILER PIN MASTER CLEANER SET   Patented

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

Assembled in USA from Global Components

Includes

- 4/5 Pin Terminal Cleaner

- 6-Way Round Pin Terminal Cleaner

- 7-Way Flat (Spade) Pin Terminal Cleaners

- 7-Way Round Pin Terminal Cleaners

- SWAB-EEZ®

- Contact Cleaner

- Premium-quality holster with magnetic clasp

#8048 HD FLEET TECHNICIAN'S ELECTRICAL TERMINAL MAINTENANCE 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.

Includes

- Large and small spade terminal cleaners

- 7-Way Round Pin Terminal Cleaners

- ABS sensor/power connector cleaner

- Ten Diamond Micro Round Files

- Trailer light bullet connector cleaner

- Contact Cleaner

- Premium-quality holster with magnetic clasp

Patented
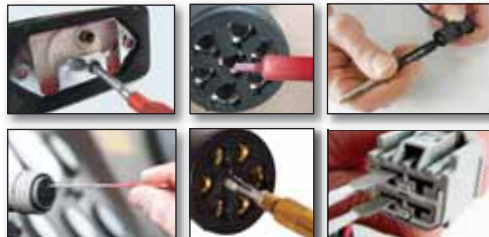
#8030-#8035A DEOXIT® CLEANER AND SHIELD

Clean and Protect Electrical Connections

MADE IN
U S A

DeoxIT® CLEANER

- Cleans and restores connections
- Prevents electrical failure
- Removes oxidation and corrosion
- Enhances electrical contact points

DeoxIT® SHIELD

- Lubricates and protects connections
- Use after DeoxIT® cleaner for long-term protection
- For severe environments

Use On

Terminals, ABS, input/output sensors, E.C.U. connectors, battery pins and plugs, horn connections, fuel injectors, fuses, ribbon cable connections, tail and head light connections, relays, air flow meters, audio and video connections and more!

#8030 DeoxIT® CLEANER Squeeze Tube 2 ml
#8031 DeoxIT® SHIELD Squeeze Tube 2 ml
#8035A DeoxIT® CLEANER Spray Can 5 oz.

#9010 SWAB-EEZ®

More Uses Than You Can Think Of!

SWAB-EEZ® industrial-strength, low-lint cotton swabs are a great item to keep on hand for a variety of uses. This large, 325-piece assortment comes with an array of head sizes, ranging from 5mm-20mm.

- Industrial strength
- Low-lint, medical-grade cotton
- Soft and nonabrasive
- Highly absorbent tips; no drip or splatter
- Compatible with all solvents; can be presoaked
- Strong, flexible bamboo handles
- Disposable and biodegradable

Industries

- Industrial
- Automotive
- Agricultural
- Electronic
- Arts & Crafts
- Sports
- Pet Care
- Modeling
- Aircraft
- Motorcycles
- Laboratory
- MRO
- PBE

Inflates, Deflates or Equalizes up to Five Tires at Once

MADE IN
U S A

The **Five-Tire Pressure Equalizer System** provides a turnkey solution to ensure repeatable and consistent tire inflation for all fleet vehicles. It is specifically designed for the fastest fill times, improving fuel mileage, spotting mismatched duals, as well as reducing tread wear, blowouts and tire decapitation.

HIGH-ACCURACY GAUGES

- Increase fuel mileage
- Decrease tire wear
- Improve technician's confidence
- Provide consistent readings

3-YEAR
WARRANTY

HIGH-FLOW REGULATORS

- Faster inflation time
- Maintain initial setting

TOGGLE VALVES

- Read individual tire pressures
- Easily identify problem tires

Includes

- Five Color-Coded Air Hoses
- Two Panel-Mounted, High-Flow Regulators
- Two Panel-Mounted, Highly Accurate Air Gauges
- Five Lock-On Air Chucks (#9060M5)

#9060 FIVE-TIRE PRESSURE EQUALIZER SYSTEM (Base Model)

Includes

- Five Color-Coded Air Hoses
- Two Panel-Mounted, High-Flow Regulators
- Two Panel-Mounted, Highly Accurate Air Gauges

Hose Storage

Holster Holds
Air Chucks

Steer Tire (above)
Drive Tires (right)

#9062C FOUR-TIRE PRESSURE EQUALIZER SYSTEM

Fast and Accurate Four-Tire Inflation, Deflation and Equalization System

MADE IN U S A

Engineered for maximum air volume and the highest possible accuracy, the **Four-Tire Pressure Equalizer System** ensures repeatable and consistent tire inflation for every shop bay.

- Prevents blowouts and tire decapitation
- Increases fuel mileage and tread life
- Highly accurate, glycerin-filled gauges
- On/off air toggle valves
- Color-coded hoses with corresponding panel indicators
- Internal storage compartment
- Side-mounted hose hangers
- Telescoping handle

Includes

- Four Color-Coded Air Hoses
- One Panel-Mounted, High-Flow Regulator
- One Panel-Mounted, Highly Accurate Air Gauge
- Four Lock-On Air Chucks (#9060M4)

3-YEAR WARRANTY

#9062 FOUR-TIRE PRESSURE EQUALIZER (Base Model)

#9067-#9068 TIRE COMPARATOR™

The Ultimate Dual Tire Pairing Gauge – A Quick and Easy Way to Ensure Dual-Mated Tires are Within Tolerance

MADE IN U S A

The **Tire Comparator™** is the industry's fastest and most consistent caliper for comparing tread wear on dual-mated tires. The simple-to-use sliding tolerance gauge requires no measuring, guessing, or even visual inspection. Just hold it against the tire and slide the gauge across the treads for a quick reading every time.

- Helps extend tread life and improve fuel mileage
- Reduces blowouts and tire decapitation
- Can be used on any dual-mated tires
- Lightweight and portable

#9067 TIRE COMPARATOR™ (TYPE II)
For ½" tolerances

#9068 TIRE COMPARATOR™ (TYPE III)
For ¼" tolerances

PASS

FAIL

DIESEL EXHAUST FLUID (DEF) TRANSFER SYSTEMS

Professional Grade Equipment with 2-Year Warranty

- Corrosion-resistant fittings
- Highly accurate, digital flow meter
- Self-priming

Standard Equipment Includes

- #9070 comes with bracket assembly for totes
- #9072 comes with carrying handle
- DEF-rated 6' input and 8-20' output hoses
- DEF-rated transfer nozzle (manual or automatic shut-off)

Nozzle

Tote Hanging Bracket

Assembled in USA from Global Components

Digital Flow Meter

Output Hose

Professional Grade, Rotary Diaphragm Pump

Input Hose

#9070 AC MODEL

Specifications

Pump Type:	Rotary Diaphragm (AC and DC)
Pump Req.:	#9070 120V AC (6.5 amp)
	#9072 12V DC (18 amp)
Flow Rate:	9 gpm
Input:	¾" Diameter
Output:	¾" Diameter
Weight:	15 lbs.

2-YEAR WARRANTY

#9072 DC MODEL

#9070 DIESEL EXHAUST FLUID (DEF) TRANSFER SYSTEM (120V AC)
#9070A DEF TRANSFER SYSTEM WITH AUTOMATIC SHUT-OFF NOZZLE
#9072 DIESEL EXHAUST FLUID (DEF) TRANSFER SYSTEM (12V DC)
#9072A DEF TRANSFER SYSTEM WITH AUTOMATIC SHUT-OFF NOZZLE

DEF RATED

DEF Transfer System Selection Chart

FEATURES	#9070	#9070-12	#9070-20	#9070A	#9070A-12	#9070A-20	#9072	#9072-20	#9072A	#9072A-20
120V AC Pump	✔	✔	✔	✔	✔	✔				
12V DC Pump							✔	✔	✔	✔
Tote Hanging Design	✔	✔	✔	✔	✔	✔				
Digital Flow Meter	✔	✔	✔	✔	✔	✔				
Manual Transfer Nozzle	✔	✔	✔				✔	✔		
Auto Shut-Off Nozzle				✔	✔	✔			✔	✔
8' Black Output	✔			✔						
12' Black Output		✔			✔		✔		✔	
20' Black Output			✔			✔		✔		✔
6' Clear Input	✔	✔	✔	✔	✔	✔				
6' Black Input							✔	✔	✔	✔

DEF TRANSFER ACCESSORIES

A Selection of High-Quality, DEF-Rated Couplers, Valves and Nozzles

- Constructed of all DEF-rated components
- Ensures a contaminant-free connection every time
- For closed and sealed systems
- For use with IPA®'s DEF Transfer Systems

#9070-DEFNOZ
Manual Shut-Off Nozzle

Available Products

#DEFPPV Composite Tote Valve and Down Tube Kit

#DEFSSV Stainless Steel Tote Valve and Down Tube Kit

#DEFPPC Composite DEF Tote Coupler

#DEFSSC Stainless Steel DEF Tote Coupler

#DEF-CAP6 6" DEF Tote Cap

#9071 DEF Recovery Wand Kit

#9070-DEFNOZ Manual Transfer Nozzle

#9070A-NOZ Automatic Shut-off Nozzle

DEF RATED

#9070A-NOZ
Automatic Shut-Off Nozzle

#9071 DEF RECOVERY WAND KIT
Stainless Steel Quick Disconnect Fittings

5' Flexible Wand

#DEF-CAP6
6" DEF Tote Cap

Valves and Couplers Available in Composite or Stainless Steel

#DEFSSC
Stainless Steel DEF Tote Coupler

#DEFPPC
Composite DEF Tote Coupler

#DEFSSV
Stainless Steel Tote Valve and Down Tube Kit

#DEFPPV
Composite Tote Valve and Down Tube Kit
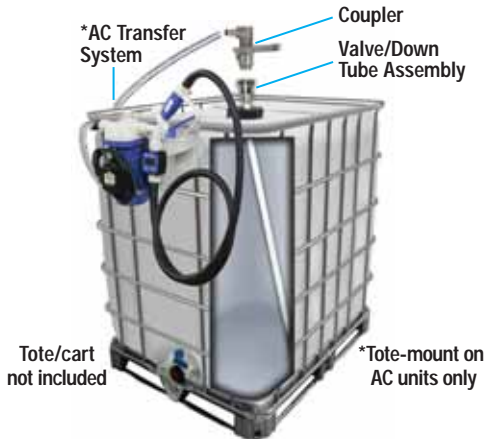
*AC Transfer System

Coupler

Valve/Down Tube Assembly

Tote/cart not included

*Tote-mount on AC units only

Maintaining diesel oil has always been a science, but with the advent of commercially prepared biodiesels, new threats have arisen from the depths of your fuel tank in the form of algae, sludge and other contaminants.

Dangers of Biofuel: Biofuel contamination occurs when organic compounds are left clinging to the sides of a fuel tank which, over time, evolve into an algae-like growth. When a fuel tank runs low, biomass begins to grow and the continuous die-off will accumulate in your filters and injectors, eventually causing engine problems and equipment downtime. Even the finest micron filters will leave behind particles suspended in oil that will begin to grow. Once the contaminated fuel makes its way to the combustion chamber, the tiny particles that do not burn will embed themselves into the valve seats, guides and piston tops, ultimately reducing a diesel engine's life.

Fuel Oil

Debris
Algae

Water

Sample Oil Removed from Tank

Prevention and Maintenance: Several forms of maintenance are available and should be used regularly, such as fuel additives, routine engine filter changing, storage tank cleaning and truck fuel tank cleaning (sweeping and polishing). The best methods only require a few minutes of service at regular intervals.

IPA®'s Fuel Transfer and Filtration Systems are compact, portable and include input and output hoses with special attachments for accessing saddle tanks on fleet trucks and 55-gallon drums. Orifice reduction in the intake and output wands creates an extremely high vacuum and pressure stream capable of blasting most contaminants from the fuel tank walls.

#9049M FLEET TANK SWEEPER® (120V AC)

Lightweight and Portable Filtration System for Tank Applications Including Trucks, Tractors and 55-Gallon Drums

MADE IN
USA

Specifications

Pump Type:	Rotary Vane
Pump Req.:	120V AC (6.5 amp)
Flow Rate:	22 gpm
Input Hose:	¾" dia.
Output Hose:	¾" dia.
Filter:	17-Micron Water Blocking
Tires:	10" Pneumatic Tires
Frame:	Steel Construction
Weight:	47 lbs.
Dimensions:	19 ¾" W x 42" H x 17 ¼" D

2-YEAR WARRANTY

Input Wand

Output Wand

10" Pneumatic Tires

Input Hose

Extra 17-Micron Filter

Output Hose

Includes

(2) 17-Micron Water-Blocking Filters, 6' Long ¾" Black Input Hose, 6' Long ¾" Black Output Hose, 5' Long ½" Flexible Output Wand and 5' Long ¾" Flexible Input Wand

#9049S FLEET TANK SWEEPER® (120V AC) Base Model

#DTP20C (12V DC) INDUSTRIAL FUEL CLEANER AND TRANSFER SYSTEM

Battery-Powered, Mobile Filtration System for Vehicle Recovery, Fleet Operations and for Use in Fuel Islands

MADE IN USA

Specifications

Pump Type:	Rotary Vane (Explosion-Proof)
Pump Regs.:	UL and CUL Approved
Pump Req.:	12V DC 30A
Flow Rate:	Up to 18 gpm
Input:	1" dia.
Output:	¾" dia.
Filter:	17-Micron Water Blocking
Meters:	Panel Mounted Volt and Ammeter
Battery Compartment:	Two Group 31 Batteries (Not Included)
Frame:	Steel Construction
Weight:	75 lbs.
Body Dimensions:	23" W x 42" H x 14" D

2-YEAR WARRANTY

11' Input and 12' Output Hoses
Ammeter
Volt Meter
Integrated Digital Flow-Meter Nozzle
Steel Construction
Fire Extinguisher
Extra 17-Micron Water Blocking Filter
(Battery Not Included)
Uses (2) Group 31 Batteries
10" Pneumatic Tires

Includes

11' Input Hose, 12' Output Hose, Digital Flow-Meter Nozzle
Extra 17-Micron Water-Blocking Filter and Fire Extinguisher

#DTP20C-BIO BIODIESEL FUEL CLEANER AND TRANSFER SYSTEM

#9080 DIESEL FUEL INJECTION CLEANER AND PRIMER

Cleans, Primes and Troubleshoots Diesel Injection Systems

MADE IN USA

Specifications

Battery Type:	Group 14, Yuasa YTX14 or Similar (Not Included)
Flow Rate:	27 gph/101 lph
Pressure:	7-9 psi
Dry Weight:	27 lbs.
Capacity:	5 gal.
Hose Length:	10' Coiled
Dimensions:	13" W x 16" H x 13" D

5-Gallon Capacity
On/Off Missile Switch
Carry Handles
Pressure and Voltage Gauges
Coiled Fuel Delivery Hose
12 Volt Power Socket
(Battery Not Included)
Quick Disconnect Fitting
Battery Compartment
500mA Battery Charger
Hose and Accessory Storage Compartment
Fluid Dispensing Adapter
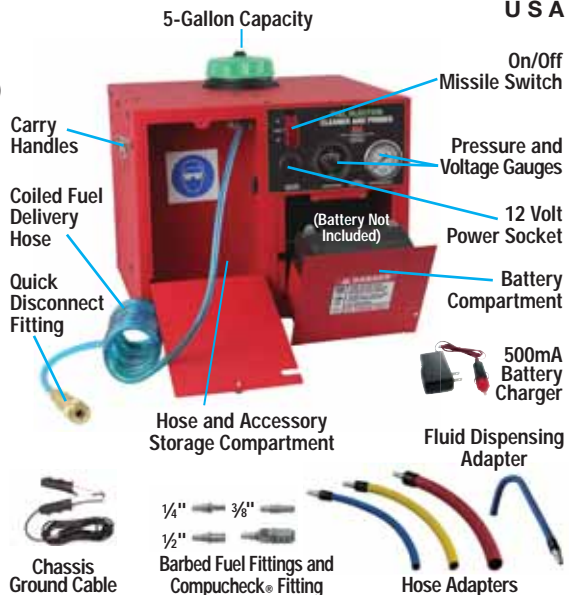
Includes

Flexible Fluid Dispensing Adapter, (3) Hose Adapters, ¼", ⅜" and ½" Barbed Fuel Fittings, Compucheck® Fitting, Chassis Ground Cable and 500mA Battery Charger

Chassis Ground Cable
¼" ⅜"
½"
Barbed Fuel Fittings and Compucheck® Fitting
Hose Adapters

A Complete Polishing, Transferring and Filtration System

NEW

MADE IN USA

The Pneumatic Tank Sweeper® provides a complete, turnkey solution for servicing contaminated fuel and hydraulic oil systems - it quickly filters, polishes and transfers. Specifically designed for servicing fleet and construction equipment, the Tank Sweeper® removes debris, impurities, and standing or emulsified water from contaminated fluids, including diesel fuel, fuel oil, kerosene, hydraulic oil and motor oil (with appropriate filters). It can be used as a preventative maintenance or service tool, and extends the life of oil and system components. The unit is strategically built with a spill-free design that allows a clean and complete purge of all the fluid from machine parts, hoses and filters.

Features and Benefits

- Filters, polishes and transfers contaminated diesel fuel, fuel oil, hydraulic oil, motor oil, kerosene and most other fluids

- Innovative filter technology shows status and allows bypass for bulk transfer

- Works with small, portable air compressors as low as 4 cfm @ 22-102 psi

- Easily switch between fluids with drain-down design and integrated drip pan

- Closed-circuit hoses feature quick-disconnect fittings

- Complete control over transfer rate

- Access hard-to-reach areas with wands and custom, detachable flow-thru brush

- Ability to transfer multiple types of fluids with one unit

12' Input and Output Hoses

5' 1" Dia. Rigid Wand

5' ¾" Dia. Flex Wand with Flow-Thru Brush

17-Micron Water Blocking Filter

30-Micron Particulate Filter (Extra Filter Included)

5' ¾" Dia. Flex Wand

5' ½" Dia. Flex Wand

Quick-Disconnect Right Angle

Drip Pan

Chassis Ground Cable

Filter Wrench

Quick-Disconnect Ball Valve

Adapter Hose

178-Micron Wire Mesh Filter

10-Micron Water Blocking Filter (Extra Filter Included)

Specifications

Pump Type:	Pneumatic Diaphragm
Operating Pressure:	4 cfm @ 22-102 psi
Head-Lift Height:	22'
Unfiltered Flow Rate:	Pump rated up to 26 gpm
Intake/Output:	1" dia.
Primary Filters:	30-Micron Particulate or 10-Micron Water Blocking
Secondary Filter:	17-Micron Water Blocking
Frame:	Powder-Coated Steel
Tires:	10" Pneumatic Tires
Weight:	70 lbs.
Dimensions:	24" W x 42" H x 14" D

Includes

(2) 30-Micron Particulate Filters, (2) 10-Micron Water-Blocking Filters, 17-Micron Water-Blocking Filter, 178-Micron Wire-Mesh Filter, 12' Input Hose, 12' Output Hose, 5' 1" Dia. Rigid Wand, 5' ¾" Dia. Flex Wand with Flow-Thru Brush, 5' ¾" Dia. Flex Wand, 5' ½" Dia. Flex Wand, Quick-Disconnect Ball Valve, Quick-Disconnect Right Angle, Adapter Hose, Chassis Ground Cable, Filter Wrench and Drip Pan

#9046F PNEUMATIC FUEL TANK SWEEPER®

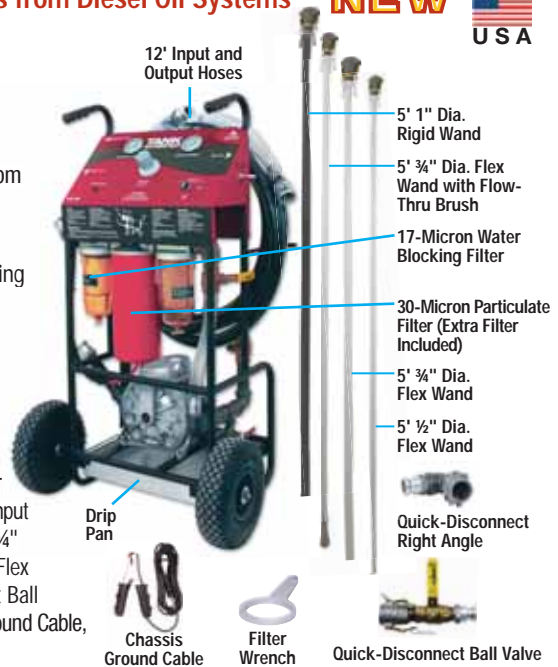### Removes Water and Contaminants from Diesel Oil Systems

NEW

MADE IN U S A

Specifications

Pump Type:	Pneumatic Diaphragm
Operating Pressure:	4 cfm @ 22-102 psi
Head-Lift Height:	22'
Unfiltered Flow Rate:	Pump rated up to 26 gpm
Output:	1" dia.
Primary Filter:	30-Micron Particulate
Secondary Filter:	17-Micron Water Blocking
Frame:	Powder-Coated Steel
Tires:	10" Pneumatic Tires
Weight:	70 lbs.
Dimensions:	24" W x 42" H x 14" D

Includes

(2) 30-Micron Particulate Filters, 17-Micron Water Blocking Filter, 178-Micron Wire-Mesh Filter, 12' Input Hose, 12' Output Hose, 5' 1" Dia. Rigid Wand, 5' ¾" Dia. Flex Wand with Flow-Thru Brush, 5' ¾" Dia. Flex Wand, 5' ½" Dia. Flex Wand, Quick-Disconnect Ball Valve, Quick-Disconnect Right Angle, Chassis Ground Cable, Filter Wrench and Drip Pan

12' Input and Output Hoses

5' 1" Dia. Rigid Wand

5' ¾" Dia. Flex Wand with Flow-Thru Brush

17-Micron Water Blocking Filter

30-Micron Particulate Filter (Extra Filter Included)

5' ¾" Dia. Flex Wand

5' ½" Dia. Flex Wand

Quick-Disconnect Right Angle

Drip Pan

Chassis Ground Cable

Filter Wrench

Quick-Disconnect Ball Valve

#9046H PNEUMATIC HYDRAULIC OIL TANK SWEEPER®

Removes Water and Contaminants from Hydraulic Oil Systems

NEW

MADE IN U S A

Specifications

Pump Type:	Pneumatic Diaphragm
Operating Pressure:	4 cfm @ 22-102 psi
Head-Lift Height:	22'
Unfiltered Flow Rate:	Pump rated up to 26 gpm
Output:	1" dia.
Primary Filter:	10-Micron Water Blocking
Secondary Filter:	17-Micron Water Blocking
Frame:	Powder-Coated Steel
Tires:	10" Pneumatic Tires
Weight:	70 lbs.
Dimensions:	24" W x 42" H x 14" D

Includes

(2) 10-Micron Water-Blocking Filter, 17-Micron Water-Blocking Filter, 178-Micron Wire-Mesh Filter, 12' Input Hose, 12' Output Hose, 5' ½" Dia. Flex Wand, 5' 1" Dia. Rigid Wand, 5' ¾" Dia. Flex Wand, Quick-Disconnect Ball Valve, Quick-Disconnect Right Angle, Adapter Hose, Chassis Ground Cable, Filter Wrench and Drip Pan

12' Input and Output Hoses

10-Micron Water Blocking Filter (Extra Filter Included)

17-Micron Water Blocking Filter

5' ¾" Flex Wand

5' ½" Flex Wand

5' 1" Rigid Wand

Drip Pan

Adapter Hose

Chassis Ground Cable

Filter Wrench

Quick-Disconnect Ball Valve

Quick-Disconnect Right Angle

A Complete Diagnostic Trailer Inspection System Integrating All Aspects of Trailer Service and Repair

NEW

Bluetooth®

MADE IN U S A

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

3-YEAR WARRANTY

NO MONTHLY FEES

Specifications

Connection Type:	7-Way Round Pin
Power Input:	12/24V DC
Suggested Battery:	(2X) Group 31 Threaded Post (or similar) Not Included
Ammeter:	5mA-21A
Source Output:	20A @ 12/24V DC
Max. Opt. Pressure:	120 psi
Tablet:	Android Operating System
Controls:	Tablet, Remote or Manual
Tires:	12" Pneumatic
Materials:	16 Gauge Powder-Coated Steel Construction
Weight:	85 lbs.
Full Body Dimensions:	23" W x 45" H x 22" D
Battery Compartment:	14" W x 15 ½" H x 13" D
Internal Battery Charger:	12V 10A Smart Battery Charger

Includes

10" Tablet, 12-Button Remote, 3-Button Remote, 12' 7-Way Cable, Chassis Ground Cable, 12' Gladhands and Rain Cover

| #MUT-RM12 | #MUT-RM3-9005A/8 | #7900K-12AS | #7900K-2BCHAS | #7900 AP-12RED-FX | #7900 AP-12BLU-FX | #CVR-0002 |

DIAGNOSTIC 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

Advanced, Remote-Controlled Diagnostic Trailer Testers

MADE IN
U S A

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)

ABS TESTING
- Test ABS fault blink codes via Auxiliary and Brake Circuit activation (i.e. Meritor/Wabco, Bendix® TABS-6 and Haldex systems)

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 remote and (2) 3-button remotes provide 200+ ft. range
- Sync multiple (12) remotes to one unit

Cable Testing

Battery
Not
Included

3-YEAR WARRANTY

Specifications

Power:	12/24V DC
Air Input:	120 psi Shop Air
Power Input:	Group 31 or Similar Battery (Not Included) or External 12/24V Power Source
Output:	20A @ 12V DC
Connection Type:	7-Way Round Pin
Controls:	Manual, Remote, Automatic
Materials:	Steel Construction
Weight:	56 lbs.
Dimensions:	21" W x 34" H x 15" D

#9008-SE Base Model Includes

3-Button Remote Control, 5' 7-Way Cable, Chassis Ground Cable and 8' Gladhands

#MUT-RM3-9005A/8	#7900K-1	#7900K-2BCHAS	#MUT-GAS8

12-button remote for one-man testing

#9008-DL (PRO EDITION) Includes

#9008-SE Accessories, 10A Smart Battery Charger, Face/Battery Shield and Rain Cover

#MUT-RM12	#MUT-RM3-9005A/8	#7900K-1	#7900K-2BCHAS	#MUT-GAS8	#KCHG-10AMP-AS	#9008-4R	#CVR-0001

#5705A ALPHA MUTT® WITH ABS SERVICE TRUCK EDITION

Complete Diagnostic Trailer Inspection System for Service Trucks and Mobile Applications

MADE IN U S A

Specifications

Power Input:	12/24V DC
Air Input:	120 psi Shop Air
Output:	20A @ 12/24V DC
Connection Type:	7-Way Round Pin
Controls:	Tablet, Remote or Manual
Bluetooth®:	4.0 or Newer
Materials:	16-Gauge Powder-Coated Steel Construction
Weight:	56 lbs.
Dimensions:	15" W x 12" H x 13 ½" D

3-YEAR WARRANTY

Includes

12-Button Remote Control, 3-Button Remote Control, 12' 7-Way Cable, Chassis Ground Cable, 12' Gladhands and 10A Smart Battery Charger

#MUT-RM12 #MUT-RM3-9005A/8 #7900K-12AS #7900K-2BCHAS #7900 AP-12RED-FX #7900 AP-12BLU-FX #KCHG-10AMP-AS

#9005A SUPER MUTT® SERVICE TRUCK EDITION

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

MADE IN U S A

Specifications

Power:	12/24V DC
Air Input:	120 psi Shop Air
Internal Battery:	Yuasa YTX14 or Similar Recommended (Optional, Not Included)
Ext. Power Input:	Adequate 12V Power Source, i.e., Group 31 Battery or Similar
Output:	20A @ 12V DC
Connection Type:	7-Way Round Pin
Controls:	Manual, Remote, Automatic
Materials:	Steel Construction
Weight:	26 lbs.
Dimensions:	12" W x 11 ½" H x 9 ½" D

3-YEAR WARRANTY

Optional battery not included

Includes

12-Button Remote Control, (2) 3-Button Remote Controls, 5' 7-Way Cable, External Power Supply Cord, 8' Gladhands, 500mA Battery Charger, Chassis Ground Cable and Face Shield

#MUT-RM12 #MUT-RM3-9005A/8 #7900K-1 #7900K-2BCHAS #9005A-5AS #MUT-GAS8 #CHR0001 #9008-4R

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

#9007M SMART MUTT® (7-WAY ROUND PIN) PRO EDITION

Remote-Controlled, Diagnostic Trailer Tester for Commercial Trailer Lights and ABS

MADE IN U S A

Specifications

Power Input:	12/24V DC
Battery Requirements:	Group 31 or Similar (Not Included)
Output:	20A @ 12/24V DC
Connection Type:	7-Way Round Pin
Controls:	Manual, Remote, Automatic
Materials:	Steel Construction
Weight:	40 lbs.
Dimensions:	14" W x 28" H x 10" D

Battery Not Included

3-YEAR WARRANTY

Includes

12-Button Remote Control, 3-Button Remote Control, 5' 7-Way Cable, Chassis Ground Cable, 10A Smart Battery Charger and Rain Cover

| #MUT-RM12 | #MUT-RM3-9007A | #7900K-1 | #7900K-2BCHAS | #7900K-93 | #KCHG-10AMP-AS | #CVR-0001 |

#9007A SMART MUTT® (7-WAY ROUND PIN)

A Portable Unit for Commercial Trailer Lighting and ABS
Specifications

MADE IN U S A

Power:	12/24V DC
Internal Battery:	Yuasa YTX14 or Similar Recommended (Optional, Not Included)
Ext. Power Input:	Adequate 12V Power Source, i.e., Group 31 Battery or Similar
Output:	20A @ 12V DC
Connection Type:	7-Way Round Pin
Controls:	Manual, Remote, Automatic
Materials:	Steel Construction
Weight:	15 lbs.
Dimensions:	12" W x 9" H x 9 ½" D

3-YEAR WARRANTY

Includes

3-Button Remote Control, 5' 7-Way Cable, Chassis Ground Cable, External Battery Connector and 500mA Battery Charger

| #MUT-RM3-9007A | #7900K-1 | #7900K-2BCHAS | #9005A-5AS | #CHR0001 |

Optional battery not included

#9004M SMART MUTT® (7-WAY SPADE PIN) [PRO EDITION]

Remote-Controlled, Diagnostic Trailer Tester for Light-Duty Trailer Lights and Electric Brakes

MADE IN USA

Specifications

Power Input:	12/24V DC
Battery Requirements:	Group 31 or Similar (Not Included)
Output:	20A @ 12/24V DC
Connection Type:	7-Way Flat, 6-Way Round, 4/5 Pin
Controls:	Manual, Remote, Automatic
Materials:	Steel Construction
Weight:	40 lbs.
Dimensions:	14" W x 28" H x 10" D

3-YEAR WARRANTY

Battery Not Included

Includes

12-Button Remote Control, 3-Button Remote Control, 3-Way Trailer Adapter,10A Smart Battery Charger and Rain Cover

#MUT-RM12-4A   #MUT-RM3-9004A   #8000   #KCHG-10AMP-AS   #CVR-0001

#9004A SMART MUTT® (7-WAY SPADE PIN)

A Portable Unit for the Professional Service Shop for Light-Duty Trailer Lighting and Electric Brakes

MADE IN USA

Specifications

Power:	12/24V DC
Internal Battery:	Yuasa YTX14 or Similar Recommended (Optional, Not Included)
Output:	20A @ 12V DC
Connection Type:	7-Way Flat (Spade) Pin
Controls:	Manual, Remote, Automatic
Materials:	Steel Construction
Weight:	10 lbs.
Dimensions:	12" W x 9" H x 9 ½" D

Includes

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

#MUT-RM3-9004A   #8000   #CHR0001

3-YEAR WARRANTY

Optional battery not included

TRAILER & ELECTRICAL MAINTENANCE

#M2000 NATO MUTT®

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

Specifications

Power:	12/24V DC
Power Input:	Group 31 (or Similar, Battery Not Included) or External 12V Power Source
Output:	20A @ 12/24V DC
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 34" H x 15" D

MADE IN USA

3-YEAR WARRANTY

Battery Not Included

Includes

12-Button Remote Control, (2) 3-Button Remote Controls, 5' 7-Way Cable, Chassis Ground Cable, 8' Gladhands, 10A Smart Battery Charger, Face Shield and Rain Cover

#MUT-RM12   #MUT-RM3-9005A/8   #7900K-1   #7900K-2BCHAS   #MUT-GAS8   #KCHG-10AMP-AS   #9008-4R   #CVR-0001

#8010 12-PIN NATO TRUCK-SIDE CIRCUIT TESTER

Tests All Light Circuits on Military Vehicles with NATO Plugs

Verifies continuity on vehicles utilizing a standard 12-Pin NATO socket. The 25' cable allows the user to sit in the cab of the vehicle while testing all the electrical circuits.

- Handheld circuit continuity tester
- STANAG 4007 wiring specifications displayed on label
- Identifies open and crossed circuits
- Ground Selection Switch for testing both wire circuits
- For 12-pin NATO plugs
- 12 to 24V working range
- Includes 25' cable and custom blow-molded case

MADE IN USA OF GLOBAL COMPONENTS

NATO Circuit Diagram

Ground Selection Switch

Towing Circuits

NATO Plug

For 12-Pin NATO Sockets

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RANGER MUTT®

Portable, Water-Resistant Trailer Testers for Lights and Electric Brakes

Test the trailer without the truck!

- Short circuit protection
- Turn signal simulation and power verification LED
- Internal battery compartment
- Water-resistant case

MADE IN
U S A

Battery Not Included

Specifications

Input:	12V DC
Output:	10A @ 12V DC
Battery Required:	Yes
Battery Dimensions:	5 ⅞" L x 3 ⅜" W x 5 ¾" H (Yuasa YTX14 or Similar)
Overload Protection:	Automatic Resetting Internal Breaker
Controls:	Manual Control Knob
Materials:	ABS
Weight:	2 lbs. (empty)

#9101 LIGHT RANGER MUTT®

Utility and RV Type Trailer Tester

- Tests 7-way flat (spade), 6-way round and 4/5 pin trailer-side harnesses

Includes

- 500mA Battery Charger
- 3-Way Trailer Adapter

#9102 HEAVY RANGER MUTT®

Commercial Trailer Tester

- Tests 7-way round pin trailer-side harnesses

Includes

- 500mA Battery Charger

#9104 MEMORY SAVER ACCESSORY KIT

Utilize the Ranger MUTT® as a Memory Saver

The **Memory Saver Accessory Kit** provides the adapters necessary to allow the Light and Heavy Ranger MUTT® to be used as memory savers once a battery has been installed.

- Connects to vehicle battery and 12V cigarette sockets
- Can be used with other memory-saver products with a female 12V DC port
- Fuse protected

Includes

- 3' Cigarette Socket Extension Cable
- 3' Cigarette Socket to Battery Clip Cable

MOBILE UNIVERSAL TRAILER TESTERS - MUTT®

MODEL	PIN TYPE	DIAGNOSTIC	ABS CODES	BRAKE TESTING
#9101 LIGHT RANGER MUTT® Small Trailer	7-Way Flat Pin	Short Circuit Protection	N/A	Electric Brake Circuit (Max Output 10 Amp)
#9102 HEAVY RANGER MUTT® Semi Trailer	7-Way Round Pin	Short Circuit Protection	N/A	10 Amp Max Output Available on Auxiliary Circuit
#9004A SMART MUTT® Small Trailer	7-Way Flat Pin	Short Circuit Protection, Cross and Open Circuit Sensing	N/A	Electric Brake Circuit (Max Output 20 Amp)
#9004M SMART MUTT® PRO EDITION Small Trailer	7-Way Flat Pin	Short Circuit Protection, Cross and Open Circuit Sensing	N/A	Electric Brake Circuit (Max Output 20 Amp)
#9007A SMART MUTT® Semi Trailer	7-Way Round Pin	Short Circuit Protection, Cross and Open Circuit Sensing	Blink Code	20 Amp Max Output Available on Auxiliary Circuit
#9007M SMART MUTT® PRO EDITION Semi Trailer	7-Way Round Pin	Short Circuit Protection, Cross and Open Circuit Sensing	Blink Code	20 Amp Max Output Available on Auxiliary Circuit
#9005A SUPER MUTT® HEAD Semi Trailer	7-Way Round Pin	Short Circuit Protection, Cross and Open Circuit Sensing	Blink Code	Air Brakes
#9008-SE SUPER MUTT® BASE MODEL Semi Trailer	7-Way Round Pin	Short Circuit Protection, Cross and Open Circuit Sensing	Blink Code	Air Brakes
#9008-DL SUPER MUTT® PRO EDITION Semi Trailer	7-Way Round Pin	Short Circuit Protection, Cross and Open Circuit Sensing	Blink Code	Air Brakes
#M2000 NATO MUTT® Semi and Military Trailer	7-Way Round Pin 12-Pin NATO	Short Circuit Protection, Cross and Open Circuit Sensing	Blink Code	Air Brakes
#5705A ALPHA MUTT® HEAD WITH ABS Semi Trailer	7-Way Round Pin	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Air Brakes
#5700A ALPHA MUTT® WITH ABS Semi Trailer	7-Way Round Pin	Short Circuit Protection, Cross and Open Circuit Sensing	ABS Testing	Air Brakes

REPORTING CAPABILITIES	REMOTE	BATTERY CHARGER	BATTERY TYPE (NOT INCLUDED)	BODY	WEIGHT	WARRANTY
N/A	N/A	500mA	Group 14	Plastic Enclosure w/ Carrying Handle	2 lbs.	1 yr.
N/A	N/A	500mA	Group 14	Plastic Enclosure w/ Carrying Handle	2 lbs.	1 yr.
N/A	3-Button Remote*	500mA	Group 14	Steel Enclosure w/ Carrying Handle	10 lbs.	3 yr.
N/A	12-Button Remote	10A Smart Charger	Group 31	Unibody Steel Cart w/ Pneumatic Wheels	40 lbs.	3 yr.
N/A	3-Button Remote*	500mA	Group 14	Steel Enclosure w/ Carrying Handle	15 lbs.	3 yr.
N/A	12-Button Remote	10A Smart Charger	Group 31	Unibody Steel Cart w/ Pneumatic Wheels	40 lbs.	3 yr.
N/A	(2x) 3-Button Remote, 12-Button Remote	500mA	Group 14	Steel Enclosure w/ Carrying Handle	26 lbs.	3 yr.
N/A	3-Button Remote*	10A Smart Charger (Optional)	Group 31	Unibody Steel Cart w/ Pneumatic Wheels	42 lbs.	3 yr.
N/A	(2x) 3-Button Remote, 12-Button Remote	10A Smart Charger	Group 31	Unibody Steel Cart w/ Pneumatic Wheels	56 lbs.	3 yr.
N/A	(2x) 3-Button Remote, 12-Button Remote	10A Smart Charger	Group 31	Unibody Steel Cart w/ Pneumatic Wheels	56 lbs.	3 yr.
✔	3-Button Remote, 12-Button Remote, Tablet	10A Smart Charger	Group 31	Steel Enclosure	56 lbs.	3 yr.
✔	3-Button Remote, 12-Button Remote, Tablet	10A Smart Charger (Integrated)	Group 31	Unibody Steel Cart w/ Pneumatic Wheels	85 lbs.	3 yr.

*12-Button Remote Available Separately

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

Includes

- Heavy Ranger MUTT® (YTX14 Battery Not Included)
- 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 Tester
- 7-Way Flat (Spade) Pin Trailer Circuit Tester

Custom Case Features

- Waterproof
- Crushproof
- Custom foam insert
- Pressure Equalization (Purge) Valve
- Lifetime warranty on the case

Simulates Trailer Load and Tests All Truck-Side Circuits

Use to verify that the vehicle's adaptive (speed/load sensitive) brake-controller output is functioning properly.

MADE IN U.S.A OF GLOBAL COMPONENTS

Features and Benefits

- Brake Force Meter displays real-time, brake controller output gain and timing

- Quickly troubleshoots electrical circuits and ground condition

- For use with integrated and aftermarket brake controllers

- Microprocessor controlled; simulates trailer brake loads

- 25' cable allows one-man, in-cab testing of brake controller and all truck-side tow circuits

- Comes in soft, nylon case

Brake Force Meter

Electric Brake Status

Towing Circuits

Ground Integrity

25' Cable

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

PATENTED

Complete One-Man Solution

Real-Time Brake Force Output Gain and Timing

Test, Clean and Restore Connectors and Terminals for Cars and 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
- Connector cleaners can be used as a pin-wear gauge

#8026 4/5 PIN TOWING MAINTENANCE KIT

Includes

- #7866: 4/5 Pin Trailer Harness Checker
- #8021: 4/5 Pin Connector Cleaner
- #8030: 2 ml Contact Cleaner

#8027 6-WAY ROUND PIN TOWING MAINTENANCE KIT

Includes

- #7897: 6-Way Round Pin Trailer Circuit Tester
- #8021 and #8022: 6-Way Round Pin Connector Cleaners
- #8030: 2 ml Contact Cleaner

#8028 7-WAY FLAT (SPADE) PIN TOWING MAINTENANCE KIT

Includes

- #7893: 7-Way Flat (Spade) Pin Trailer Circuit Tester
- #8023: 7-Way Flat (Spade) Pin Connector Cleaners
- #8030: 2 ml Contact Cleaner

#8029 7-WAY ROUND PIN TOWING MAINTENANCE KIT

Includes

- #7865L: 7-Way Round Pin Tractor Trailer Circuit Tester
- #8024: 7-Way Round Pin Connector Cleaners
- #8030: 2 ml Contact Cleaner

TRAILER CIRCUIT TESTERS AND ADAPTERS

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 TESTER

"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 Tester (Includes One Brass Jumper)

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

RAMRODZ® BARREL AND BREECH CLEANERS

Patents Pending

SATISFACTION GUARANTEED

RamRodz

**A Revolutionary Gun Cleaning System**

Caliber-Specific Barrel and Breech Cleaners for Most Handguns, Rifles and Shotguns

- Highly absorbent, low-lint cotton heads
- 3" and 8" flexible bamboo handles
- No drip, mess or hassle
- Disposable and biodegradable
- Also ideal for cleaning slides, receivers, chambers, magazine housings, breeches and more

Breech

.22 Caliber

.38/.357/.380/9mm Caliber

.40/10mm Caliber

.44/.45/.410 Caliber

.50 Caliber

Chisel Tip

.223/5.56mm Caliber

.30/.308/7.62mm Caliber

20 Gauge

12 Gauge

Free Adapter Included

Part No.	Description	Qty
#11800	Breech	800
#22300	.22 Caliber	300
#38200	.38/.357/.380/9mm Caliber	200
#40100	.40/10mm Caliber	120
#45075	.44/.45/.410 Caliber	100
#50075	.50 Caliber	80
#22600	.223/5.56mm Caliber	600
#22050	.223/5.56mm Caliber	50
#30300	.30/.308/7.62mm Caliber	300
#20080	20 Gauge	80
#12060	12 Gauge	60
#80250	Gun Detailing Assortment	250
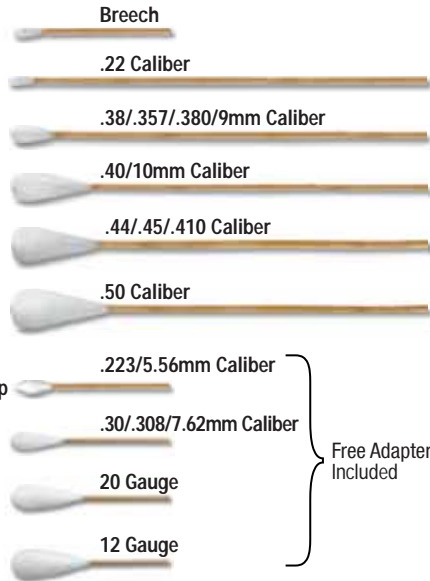
WARNING: Unload Firearm Before Cleaning

#60010 RIFLE AND SHOTGUN ADAPTERS

Patented

For Use with Caliber-Specific RamRodz® to Clean Long Guns

The RamRodz® **Rifle and Shotgun Adapters** provide an efficient way to clean rifle and shotgun barrels using caliber-specific RamRodz®.

- When used with RamRodz®, eliminates the need for patches
- Made of durable, reinforced nylon
- Fits standard cleaning-rod threads ($8/32$")

Push to Install and Pull to Release

Rifle

Shotgun
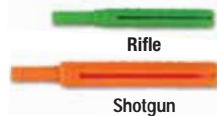
#70035 PROFESSIONAL GUN CLEANING MASTER KIT

Comprehensive, Precision, Detailing Kit for Common Caliber and Gauge Sizes

NEW

Assembled in USA from Global Components

The Professional Gun Cleaning Master Kit includes brushes, solvents, oils, swabs and attachments for cleaning bores from .220 diameter through .450 diameter. It also includes brushes and swabs for cleaning larger tubes and bores up to .750"/12 gauge. General detailing accessories include doubled-ended brushes, picks, an absorbent cleaning mat and silicon-infused oiling cloth. The specially designed, professional-grade case provides four layers for versatility. The top layer houses cleaning accessories and attachments; the middle layers hold a fold-out cleaning mat and portable work tray; the bottom layer holds bulk precision swabs, solvent, oil and oiling cloth.

4-Layer Design

Features and Benefits

- For detailing and cleaning guns with caliber and gauge sizes .22 to .75 and 5mm – 12 gauge
- Non-toxic and odor-free cleaning solution and lubricating oil with precision applicator tips
- High performance cleaner destroys carbon; lubricant works in extreme temperatures (-20°F to 520°F)
- Prevent rust on metal components with premium, silicone-infused oiling cloth
- Low-lint, industrial-grade precision cotton swabs

Includes

8 Standard Bore Brushes, 3 Long Micro Tube Brushes, 3 Double-Ended Specialty Brushes, 2 Double-Ended Picks, Interlocking-Claw Tweezers, Cleaning Mat, Portable Work Tray, Pull-Through Cable and Push Rods with Threaded Adapters, Cleaning Solution, Lubricating Oil, Silicon Oiling Cloth, 500+ Precision Cleaning Swabs
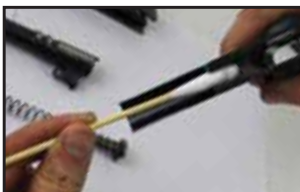
#70680, #70565 RAMRODZ® RANGE KITS

Start Your RamRodz® Collection with the Convenient and Refillable Range Kit

The caliber-specific, low-lint cotton head RamRodz® are designed to expand into rifling grooves and conform to barrel walls, cleaning the maximum amount of surface area with each pass.

- Assorted RamRodz® in five common calibers for either pistols or rifles/shotguns
- Breech Cleaner model cleans slides, receivers, breeches and more
- 3" or flexible 8" bamboo handles with low-lint, caliber-specific cotton heads
- Easily stored in a range bag or gun safe

NEW

#70680 - for Pistols

Description	Quantity
.22 Caliber	100
.38/.357/.380/9mm Caliber	60
.40/10mm Caliber	50
.44/.45/.410 Caliber	40
.50 Caliber	30
Breech	400

#70565 - for Rifles/Shotguns

Description	Quantity
.223/5.56mm Caliber (Chisel Tip)	250
.22 Caliber	100
.30/.308/7.62mm Caliber	125
.45/.410 Caliber	30
20 Gauge	35
12 Gauge	25

#68048 RAMRODZ® BORE CABLE KIT

48" Triple-Layer Pull Cable with Patented RamRodz® Adapters for Use with .22 - 12 Gauge RamRodz® Precision Bore Cleaners

Features and Benefits

NEW

- 48" triple-layer cable with $8/32$" female threads on both ends
- Includes 4 patented RamRodz® adapters
- For use with rifles and shotguns
- Can also be used with most standard gun cleaning equipment

More First-Time Products from IPA®...

#8091 FLOW-THRU SYSTEM WITH BRUSH AND VENTURI
(PAGE 4)

Cleans, Restores and Applies Solvents Under Pressure

#9046F PNEUMATIC FUEL TANK SWEEPER®
(PAGE 29)

Removes Water and Contaminants from Diesel Oil Systems

#5700A ALPHA MUTT® WITH ABS
(PAGE 30)

Advanced Diagnostic Trailer Tester with Detailed Reporting Capabilities

#70035 PROFESSIONAL GUN CLEANING MASTER KIT
(PAGE 44)

Comprehensive, Precision, Detailing Kit for Common Caliber and Gauge Sizes

IPA
FUTURE NOW®
(OEM) Original Equipment Manufacturer USA

Learn more about ratchets and sockets we have.