## MUTT® Comparison Chart

<table>
<thead>
<tr>
<th>PIN TYPE</th>
<th>BRAKE TESTING</th>
<th>ABS CODES</th>
<th>DIAGNOSTIC</th>
<th>WEIGHT</th>
<th>BODY</th>
<th>BATTERY CHARGER</th>
<th>REMOTE</th>
<th>REPORTING CAPABILITIES</th>
<th>WARRANTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-Way Flat Pin</td>
<td>Short Circuit Protection</td>
<td>N/A</td>
<td>Short Circuit Protection</td>
<td>Plastic Enclosure w/ Carrying Handle</td>
<td>2 lbs.</td>
<td>Group 14</td>
<td>12-Button Remote*</td>
<td>N/A</td>
<td>1 yr.</td>
</tr>
<tr>
<td>7-Way Round Pin</td>
<td>Electric Brake Circuit (Max Output 10 Amp)</td>
<td>N/A</td>
<td>Short Circuit Protection</td>
<td>Plastic Enclosure w/ Carrying Handle</td>
<td>2 lbs.</td>
<td>Group 14</td>
<td>3-Button Remote*</td>
<td>N/A</td>
<td>1 yr.</td>
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<tr>
<td>7-Way Flat Pin</td>
<td>Electric Brake Circuit (Max Output 20 Amp)</td>
<td>N/A</td>
<td>Short Circuit Protection</td>
<td>Plastic Enclosure w/ Carrying Handle</td>
<td>10 lbs.</td>
<td>Group 14</td>
<td>12-Button Remote</td>
<td>N/A</td>
<td>3 yr.</td>
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</table>

*12-Button Remote Available Separately

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For MUTT® Accessories Visit www.ipatools.com
#5700 ALPHA MUTT®
Advanced Diagnostic Trailer Tester with Detailed Reporting Capabilities

Features and Benefits

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
- Control lights by remote or tablet

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
- Diagnostics available on model #5700A

Includes: 10” Tablet, 12-Button Remote, 3-Button Remote, 12’ 7-Way Cable, Chassis Ground Cable, and 12’ Gladhand Hoses and Rain Cover

*Base Functions Work With or Without Tablet

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. Operating Pressure: 120 psi
- Tablet: 10” Screen - Android OS
- Controls: Tablet, Remote or Manual
- Battery Charger: Integrated 10-Amp Smart Battery Charger
- Tires: 12.5” Pneumatic
- Materials: 12-Gauge Powder-Coated Steel Construction
- Weight: 85 lbs.
- Body Dimensions: 23” W x 45” H x 19” D

IPA®’s Diagnostic Software Suite
Provides Highly Accurate Inspection Results for All Common Trailer Configurations
- Capture inspection reports
- Prevents recurring mistakes and provides walk-through expert guidance
- Record and analyze inspection results
- Standardize consistent inspections across all fleet and service center locations

FOR A #5700 SERIES PRODUCT BROCHURE CALL (888) 786-7899 OR EMAIL SALES@IPATOOLS.COM

3-YEAR WARRANTY
100% SATISFACTION GUARANTEED
24-HR REPAIR/REPLACE

NEW
SUPER MUTT®

Commercial Diagnostic Trailer Tester (7-Way Round Pin)

Quickly troubleshoot lighting, air brake and ABS systems with the industry’s leading trailer tester. This intuitive, durable design is ideal for both on and off-site commercial trailer testing and repairs.

Features and Benefits

ELECTRICAL TESTING (12/24 Volt Operation)
- Power lights: Manually, All-On, Auto Scan, or Remote Control
- Audible and visual alerts: cross, open, overloaded and short circuit indication
- Pulsar® mode allows diagnostic repair
- Advanced trailer wiring diagnostics
- Amperage readout and range (0-20 amps)
- Cable testing
- Ground failure detection: differentiates between wire and chassis ground

ABS TESTING
- Access ABS blink codes
- 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
- Features an internal air regulator

REMOTE CONTROL
- Remotely test all trailer electric circuitry and air brake actuation with new 12-button remote
- (2x) 3-button remote controls included test all trailer electric circuitry and air brake actuation, 200+ ft. range
- Sync multiple (12) remotes to one unit

Specifications

Connection Type: 7-Way Round Pin
Power: 12/24V DC
Power Input: Group 31 (or Similar Battery) or External 12V Power Source
Output: 20A @ 12/24V DC
Max. Operating Pressure: 120 psi
Controls: Manual, Remote, Automatic
Tires: 10” Pneumatic
Materials: Powder-Coated Steel Construction
Weight: 56 lbs.
Body Dimensions: 14” W x 28” H x 21” D

SUPER MUTT® Commercial Diagnostic Trailer Tester (7-Way Round Pin)

Quickly troubleshoot lighting, air brake and ABS systems with the industry’s leading trailer tester. This intuitive, durable design is ideal for both on and off-site commercial trailer testing and repairs.

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## TRAILER TESTERS (MUTT®)

### Commercial Trailer Tester Models (7-Way Round Pin)

#### #5700 Alpha MUTT®
Advanced Diagnostic Lighting, Air Brake and ABS Tester with Reporting
Includes: 10’ Tablet, 12-Button Remote Control, 3-Button Remote Control,
12’ 7-Way Cable, 12’ Gladhand Hoses, Chassis Ground Cable, Rain Cover

#### #9008-SE SUPER MUTT® BASE MODEL
Diagnostic Lighting, Air Brake and ABS Tester
Includes: Standard Equipment (3-Button Remote Control, 5’ 7-Way Cable,
8’ Gladhand Hoses, Chassis Ground Cable, External Battery Connector)

#### #9008-DL SUPER MUTT® PRO EDITION
Diagnostic Lighting, Air Brake and ABS Tester
Includes: Standard Equipment, 12-Button Remote Control,
Extra 3-Button Remote Control, 10 Amp Smart Battery Charger,
Face/Battery Shield, Rain Cover

#### #9005A SUPER MUTT® SERVICE TRUCK EDITION
Diagnostic Lighting, Air Brake and ABS Tester
Includes: Standard Equipment, 12-Button Remote Control,
Extra 3-Button Remote Control, 500mA Battery Charger,
Face/Battery Shield, Internal Battery Compartment

#### #9007A SMART MUTT®
Diagnostic Lighting and ABS Tester
Includes: 3-Button Remote Control, 500mA Battery Charger,
Chassis Ground Cable, External Battery Connector,
5’ 7-Way Cable, Internal Battery Compartment

#### #9007M MOBILE SMART MUTT® PRO EDITION
Diagnostic Lighting and ABS Tester
Includes: 12-Button Remote Control, 3-Button Remote Control, 10 Amp
Smart Battery Charger, Chassis Ground Cable, External Battery
Connector, 5’ 7-Way Cable, Rain Cover

#### #9102 HEAVY RANGER MUTT®
Lighting and Electric Brake Tester
Includes: 500mA Battery Charger,
Internal Battery Compartment

### Adapters:
7-way round pin configurations can be adapted to 7-way flat (spade), 6-way round, and 4/5 pin.
7-way flat (spade) pin configurations CANNOT be adapted to 7-way round pin.

#### #MUT-RM12 12-BUTTON REMOTE CONTROL
For use with IPA® trailer testers #5700, #9008-DL, #9008-SE, #M2000, #9005A, #9007M, and #9004M™
- 200+ ft. range
- 340 mHz
- Sync multiple (12) remotes to one unit
Utility/RV Trailer Tester Models (7-Way Flat, 6-Way Round and 4/5 Pin)

#9004M MOBILE SMART M U T T® PRO EDITION
Diagnostic Lighting and Electric Brake Tester
Includes: 12-Button Remote, 3-Button Remote, 10 Amp Smart Battery Charger, 3-Way Trailer Adapter and Rain Cover

#9004A SMART M U T T®
Diagnostic Lighting and Electric Brake Tester
Includes: 3-Button Remote Control, 3-Way Trailer Adapter, 500mA Battery Charger

#9101 LIGHT RANGER M U T T®
Lighting and Electric Brake Tester
Includes: 500mA Battery Charger, 3-Way Trailer Adapter, Internal Battery Compartment

7 Flat 6 Round

4/5 Pin

Back-Lit Ammeter
Auto Cycle Indicator
Voltage Indicator
Circuit Selection Control Knob
7-Way Flat (Spade) Socket
Carrying Handle
Fuse Holder (30 Amp ATO/ATC)
Trickle Charger Input
Power Switch

Close-Up of Faceplate on #9004A and #9004M Models
Military Trailer Tester Model (SAE J560 and MS 75021-2 NATO)

#M2000 NATO MUTT®
Diagnostic Lighting, Air Brake and ABS Tester
Includes: 12-Button Remote Control, 2 3-Button Remote Controls, 5’ 7-Way Cable, Chassis Ground Cable, External Battery Connector, 8’ Gladhand Hoses, 10 Amp Smart Battery Charger, Face/Battery Shield, Rain Cover

Military Truck-Side Circuit Tester (MS 75021-2 NATO)

#8010 12-Pin NATO TRUCK-SIDE CIRCUIT TESTER
Tests All Light Circuits on Military Vehicles with NATO Plugs
- Handheld circuit continuity tester
- STANAG 4007 wiring specifications displayed on label
- Identify open and crossed circuits
- Ground Selection Switch for testing both wire circuits
- For 12-pin NATO plugs
- 12 to 24 volt working range

Includes: 25’ Cable and Custom Blow-Molded Case
#9200 TACTICAL TRAILER TESTER FIELD KIT

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

Features and Benefits
- Test all truck-side tow circuits
- Test all trailer circuits
- Clean all truck and trailer electrical connections

Includes
1. #9102 HEAVY RANGER MUTT® (Battery Not Included)
2. #7900K-1-8AS 8’ 7-WAY ROUND CABLE
3. #7900A-5A 7-WAY ROUND TO 7-WAY FLAT (SPADE) ADAPTER
4. #8000 3-WAY TRAILER ADAPTER
5. #8044 TRUCK AND TRAILER PIN MASTER CLEANER SET
6. #8040 DIAMOND-TIP ELECTRICAL TERMINAL CLEANERS
7. #7865L 7-WAY ROUND PIN TRACTOR TRAILER CIRCUIT TESTER
8. #7893 7-WAY FLAT (SPADE) PIN TRAILER CIRCUIT TESTER
9. #7897 6-WAY ROUND PIN TRACTOR TRAILER CIRCUIT TESTER
10. #7866 4/5 PIN TRAILER HARNESS CHECKER
11. #CHR0001 500MA BATTERY CHARGER

Custom Case Features
- Waterproof
- Crushproof
- Custom Foam Insert
- Pressure Equalization (Purge) Valve
- Lifetime Warranty
Vehicle-Side Towing Maintenance

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

- Quickly tests, cleans and repairs truck and trailer connectors
- Extends harness life
- Great preventative maintenance tool
- Promotes safety and limits road hazards
- Connector cleaner 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
#9107A ELECTRIC BRAKE FORCE METER
WITH DYNAMIC LOAD SIMULATION AND CIRCUIT TESTING

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.

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 aftermarket and integrated 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

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

Multiple Patents Pending
#9050 MOBILE POWER STATION (MPS)
WITH PLASMA BOOST™

12/24V Battery Jump Cart with Charger/Maintainer, Load Tester and Plasma Boost™ Guaranteed to Start Any Engine

The Mobile Power Station (MPS) with Plasma Boost™ is a breakthrough in 12/24 volt jump-cart technology that is setting a new standard for the Automotive and Fleet Industries. Rugged and powerful, the MPS is a fully integrated shop solution for battery maintenance, testing, charging, and troubleshooting. The Plasma Boost™ feature is an integrated, momentary 24-volt boost that will overcome even an excessive starter load, jumping any engine and helping diagnose charging system problems in real time. Rugged enough for the most severe environments, the MPS is truly a mobile power station for the professional automotive, fleet or ag shop.

Features and Benefits

- Jump starts both 12V and 24V vehicles
- Plasma Boost™ (patent pending) up to 28V/2000 cranking amps, guaranteed to start any engine
- Offers complete and convenient diagnosis of: parasitic draw, charge system output, loose connections, shorted batteries, faulty starters and more
- Integrated 10-second load test of vehicle battery health
- Dual digital ammeters and volt meters monitor internal/external current
- Integrated 10-amp automatic smart charger/maintainer
- Large 14” pneumatic tires for easy transport on rough terrain
- Swivel-type locking casters for in-shop maneuverability
- Large storage shelf for parts and tools
- Fits two Group 31 batteries (not included)

Includes

- 8' long 1/0 stranded copper jump leads with heavy-duty solid copper battery clamps

Specifications

- Voltage: 12/24V DC
- Jump Start Output Amperage: 1000 Amps @ 12V DC
- Charger Input: 110 AC
- Charger Output: 12V DC @ 10 Amps
- Amp Meter: 1-1000 Amps
- Volt Meter: 0-30V DC
- Battery Req: (2) Group 31 Batteries (Battery Not Included)
- Tires: 14” Pneumatic
- Materials: Powder-Coated Steel
- Dimensions: 23” W x 45” H x 19” D
MOBILE TIRE PRESSURE EQUALIZER SYSTEMS

Inflate, Deflate and Equalize up to Five Tires at Once

The 5-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.

Features and Benefits

HIGH-ACCURACY GAUGES
- Increase fuel mileage
- Decrease tire wear
- Improve technician confidence
- Provide consistent readings

HIGH-FLOW REGULATORS
- Faster inflation time
- Maintain initial setting

TOGGLE VALVES
- Read individual tire pressures
- Easily identify problem tires

NOTE: This product requires the use of lock-on, flow-thru air chucks. See #9060M5.

Specifications

Range: 0-140 psi Working
Pressure Gauges: 3.5”, Glycerin Filled (NIST Traceable)
Regulators: High-Flow, Adjustable
Cart: Powder-Coated Steel
Hoses: ¼” ID Pneumatic (Grey, Blue, Yellow, Red 8’; Black 20’)
Tires: 10” Pneumatic

3-YEAR WARRANTY

#9060 5-TIRE MODEL SHOWN

ACCURATE • FAST • SAFE
Mobile Tire Pressure Equalizer Models Available

#9060  5-TIRE PRESSURE EQUALIZER SYSTEM
Includes: Standard Equipment (Five Color-Coded Hoses, Hose Hangers and Holster)

#9060C  5-TIRE MODEL WITH CHUCKS
Includes: Standard Equipment and Five-Piece Lock-on Chuck Kit (#9060M5)

#9062  4-TIRE PRESSURE EQUALIZER SYSTEM
Includes: Standard Equipment (Four Color-Coded Hoses, Hose Hangers and Holster)

#9062C  4-TIRE MODEL WITH CHUCKS
Includes: Standard Equipment and Four-Piece Lock-on Chuck Kit (#9060M4)

#9060M5  5-PIECE LOCK-ON, FLOW-THRU CHUCK KIT
Includes: Three Straight Chucks and Two Double Chucks

#9060M4  4-PIECE LOCK-ON, FLOW-THRU CHUCK KIT
Includes: Two Straight Chucks and Two Double Chucks

Tire Alignment

The Ultimate Dual Tire Pairing Gauge
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 or guessing. Just hold it against the tire and slide the gauge across the treads for a quick reading every time.

Features and Benefits
• Helps extend tread life and improve fuel mileage
• Reduces blow outs 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
**DEF TRANSFER SYSTEMS**

**Professional-Grade Equipment with a 2-Year Warranty**

DEF Transfer Kits are available in AC and DC models, with various configuration options. Each system is 100% assembled and tested prior to delivery.

**Features and Benefits**

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

**Standard Equipment Includes**

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

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**Specifications**

<table>
<thead>
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<th></th>
<th>#9070</th>
<th>#9070-12</th>
<th>#9070-20</th>
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<th>#9070A-20</th>
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<tr>
<td>Pump Req.:</td>
<td>#9070 120V AC (6.5 Amp)</td>
<td>#9070 120V AC (6.5 Amp)</td>
<td></td>
<td>#9070A 12V DC (18 Amp)</td>
<td></td>
<td></td>
<td>#9072 12V DC (18 Amp)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flow Rate:</td>
<td>9 gpm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Input:</td>
<td>¾” dia.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Output:</td>
<td>¾” dia.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Weight:</td>
<td>15 lbs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
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**DEF Transfer System Selection Chart**

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>#9070</th>
<th>#9070-12</th>
<th>#9070-20</th>
<th>#9070A</th>
<th>#9070A-12</th>
<th>#9070A-20</th>
<th>#9072</th>
<th>#9072-20</th>
<th>#9072A</th>
<th>#9072A-20</th>
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</thead>
<tbody>
<tr>
<td>120V AC Pump</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>12V DC Pump</td>
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<tr>
<td>Tote Hanging Design</td>
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<td></td>
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<tr>
<td>Digital Flow Meter</td>
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<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manual Transfer Nozzle</td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Auto Shut-Off Nozzle</td>
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<td></td>
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<tr>
<td>8’ Black Output</td>
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<tr>
<td>12’ Black Output</td>
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<tr>
<td>20’ Black Output</td>
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<tr>
<td>6’ Clear Intake</td>
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<tr>
<td>6’ Black Intake</td>
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</tbody>
</table>
DEF TRANSFER ACCESSORIES

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

Features and Benefits

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

#DEFPPV
Composite Tote Valve and Down Tube Kit (Installs into tank)

#DEFSSV
Stainless Steel Tote Valve and Down Tube Kit (Installs into tank)

#DEFPPC
Composite DEF Tote Coupler (Connects pump hose to tote adapter)

#DEFSSC
Stainless Steel DEF Tote Coupler (Connects pump hose to tote adapter)

#9070-DEFNOZ
Manual Transfer Nozzle

#9070-DEFNOZA
Automatic Shut-Off Nozzle

#9071
DEF Recovery Kit: Stainless Steel Quick Disconnect Fittings

5’ Flexible Wand

Valves and Couplers Available in Composite or Stainless Steel

DEF TRANSFER ACCESSORIES

DEF TRANSFER SOLUTIONS

*AC Transfer System

*Tote-mount on AC units only

*Tote-cart not included

100% SATISFACTION GUARANTEED
24-HR REPAIR/REPLACE

DEF Transfer Accessory Selection Chart

<table>
<thead>
<tr>
<th>PART #</th>
<th>DESCRIPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>#DEFPPV</td>
<td>Composite Tote Valve and Down Tube Kit (Installs into tank)</td>
</tr>
<tr>
<td>#DEFSSV</td>
<td>Stainless Steel Tote Valve and Down Tube Kit (Installs into tank)</td>
</tr>
<tr>
<td>#DEFPPC</td>
<td>Composite DEF Tote Coupler (Connects pump hose to tote adapter)</td>
</tr>
<tr>
<td>#DEFSSC</td>
<td>Stainless Steel DEF Tote Coupler (Connects pump hose to tote adapter)</td>
</tr>
<tr>
<td>#9071</td>
<td>DEF Recovery Wand</td>
</tr>
<tr>
<td>#9070-DEFNOZ</td>
<td>Manual Transfer Nozzle</td>
</tr>
<tr>
<td>#9070-DEFNOZA</td>
<td>Automatic Shut-Off Nozzle</td>
</tr>
</tbody>
</table>
#9080 DIESEL FUEL INJECTION CLEANER AND PRIMER

Cleans, Primes and Troubleshoots Diesel Injection Systems

Features and Benefits

- Cleans, flushes, primes and helps air-bleed fuel injection systems
- Performs fast, airless priming of a diesel pump while holding fuel delivery pressure
- Delivers clean fuel or fuel additive for injector cleaning
- Fully portable for road-side service
- Helps isolate fuel system problems
- Fills fuel filters without a mess
- Control panel features missile power switch, fuel pressure gauge and volt meter
- Built on a rugged, mobile, steel platform
- 5-gallon HDPE tank (High-Density Polyethylene)
- For multiple fluid types; not gasoline
- Eight standard adapters, including Compucheck®
- All other adapters available upon request

Specifications

Battery Type: Group 14, Yuasa YTX14 or Similar (Battery 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
#DTP20C 12V INDUSTRIAL DIESEL FUEL POLISHING AND TRANSFER SYSTEM

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

Features and Benefits

- Provides a safe and efficient method for transferring and filtering diesel fuel
- On-board water and particulate blocking filter ensures that all fuel transferred is free from contamination
- Highly accurate, digital flow-meter nozzle for precise measurement

Includes

- Digital Flow-Meter Nozzle
- 11' Intake Hose
- 12' Output Hose
- Extra 17-Micron Water Blocking Filter
- 10-Amp Smart Battery Charger
- Fire Extinguisher

ALSO AVAILABLE: #DTP20C-BIO BIODIESEL FUEL CLEANER AND TRANSFER SYSTEM

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 Amp Meters
- Battery Compartment: House Two Group 31 Batteries (Not Included)
- Frame: Steel Construction
- Weight: 75 lbs.
- Body Dimensions: 23" W x 42" H x 14" D

100% SATISFACTION GUARANTEED
24-HR REPAIR/REPLACE

2-YEAR WARRANTY (BATTERY NOT INCLUDED)
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 fuel and oil
• Use with hydraulic oil, motor oil, diesel, kerosene and most other fluids
• Innovative filter technology shows filter status and allows filter 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
• Custom, detachable flow-thru brush
• Ability to transfer multiple types of fluids with one unit

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 (9046F)
  10-Micron Water Blocking (9046H)
- Secondary Filters: 17-Micron Water Blocking
- Frame: Powder-Coated Steel
- Tires: 10” Pneumatic Tires
- Weight: 70 lbs.
- Dimensions: 24” W x 42” H x 14” D
Tank Sweeper® Accessory Packages

Standard Equipment
- (2) 300-Micron Wire Mesh Filters
- 11' Intake and Output Hoses
- Quick-Disconnect Ball Valve
- Quick-Disconnect Right Angle
- Chassis Ground Cable
- Filter Wrench
- Drip Pan
- 5' 1" Dia. Rigid Wand
- 5' ¾" Dia. Flex Wand
- 5' ½" Dia. Flex Wand

#9046F TANK SWEEPER® FOR FUEL OIL
Includes: Standard Equipment, (2) 30-Micron Particulate Filters, (2) 17-Micron Water Blocking Filters, 5' 3/4" Dia. Flex Wand with Flow-Through Brush

#9046H TANK SWEEPER® FOR HYDRAULIC OIL
Includes: Standard Equipment, (2) 10-Micron Water Blocking Filters, Adapter Hose

#9046FH TANK SWEEPER® FOR FUEL AND HYDRAULIC OIL
Includes: Standard Equipment, (2) 30-Micron Particulate Filters, (2) 10-Micron Water Blocking Filters, (2) 17-Micron Water Blocking Filters, 5' 3/4" Dia. Flex Wand with Flow-Through Brush, Adapter Hose
#9049M FLEET TANK SWEEPER® (120V AC)

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

Features and Benefits

- Cleans and transfers diesel fuel
- Water blocking filter with clear sight glass
- A preventative maintenance tool
- Special wands for accessing the bottom of the fuel tank

Includes

- Extra 17-Micron Filter
- 6' Long Black Intake and Output Hoses
- 5' Flexible Intake and Output Wands

ALSO AVAILABLE:

#9049S FLEET TANK SWEEPER® BASE MODEL

Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump Type</td>
<td>Rotary Vane</td>
</tr>
<tr>
<td>Pump Req.</td>
<td>120V AC (6.5 Amp)</td>
</tr>
<tr>
<td>Flow Rate</td>
<td>22 gpm</td>
</tr>
<tr>
<td>Input</td>
<td>¾&quot; dia.</td>
</tr>
<tr>
<td>Output</td>
<td>½&quot; dia.</td>
</tr>
<tr>
<td>Filter</td>
<td>17-Micron Water Blocking Filter</td>
</tr>
<tr>
<td>Tires</td>
<td>10&quot; Pneumatic</td>
</tr>
<tr>
<td>Frame</td>
<td>Steel Construction</td>
</tr>
<tr>
<td>Weight</td>
<td>32 lbs.</td>
</tr>
<tr>
<td>Dimensions</td>
<td>12” W x 20” H x 13” D</td>
</tr>
</tbody>
</table>

2-YEAR WARRANTY

Keeps Diesel Fuel Injectors Clean

BEFORE | AFTER
PROFESSIONAL DIESEL INJECTOR SEAT CLEANING KIT

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

Features and Benefits
- 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®
- Custom Blow-Molded Case

ABRASIVE BRUSH SETS

MICRO BORE AND VALVE-GUIDE BRUSH SET

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

Features and Benefits
- 9” length with flexible shaft for accessing hard-to-reach areas
- Includes 8 sizes: ⅛”, 5/32”, 13/64”, ¼”, 5/16”, ⅜”, 7/16” and ⅝”
- Durable, twisted wire for increased cleaning function
- Extra-large finger loop for enhanced control

Available in:
- #8087 Stainless Steel
- #8088 Brass
HEAVY-DUTY VEHICLE MAINTENANCE

#8040 DIAMOND-TIP ELECTRICAL TERMINAL CLEANERS
3-Piece Set Features Three Different Size Tips Specifically Designed and Custom Engineered to Fit and Clean Most Male/Female Flat Pin-Type Connectors
- Pivoting-handle design for added versatility
- Comes with large, medium and small size cleaner for the most common electrical connectors
- Comes in a premium-quality holster with magnetic clasp

#8048 HD FLEET TECHNICIAN’S ELECTRICAL TERMINAL MAINTENANCE SET
17-piece set cleans Deutsch, Cannon, 7-way round pin, Bullet, Weather Pack, common ABS sensor and power connectors, trailer light connectors, and plow 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.

#8044 TRUCK AND TRAILER PIN MASTER CLEANER SET
9-piece set cleans every North American trailer connector including 7-way round pin, 7-way flat pin, 6-way round pin, and 4/5 pin
- Maintains continuity and helps prevent circuit failure
- Cleans and resizes trailer pins
- Removes corrosion and increases harness life

ALSO AVAILABLE: #8044-NATO MASTER TRAILER CLEANER SET NATO EDITION
9-piece set for use on 12-pin NATO truck and trailer electrical terminals, 7-way flat, 7-way round, 6-way round and 4/5 pin

#8024 7-WAY ROUND PIN CONNECTOR CLEANERS
2-Piece Set Cleans Male and Female 7-Way Round Pin Trailer Connectors
- Enhances electrical contact points
- Extends harness life
- Use as a pin-wear gauge

#8040 DIAMOND-TIP ELECTRICAL TERMINAL CLEANERS
3-Piece Set Features Three Different Size Tips Specifically Designed and Custom Engineered to Fit and Clean Most Male/Female Flat Pin-Type Connectors
- Pivoting-handle design for added versatility
- Comes with large, medium and small size cleaner for the most common electrical connectors
- Comes in a premium-quality holster with magnetic clasp

PATENTED
HEAVY-DUTY VEHICLE MAINTENANCE

100% SATISFACTION GUARANTEED

24-HR REPAIR/REPLACE

#7899 GATOR JAWS®
23" Length Removes Oil, Fuel and Hydraulic Filters up to 8" Diameter

- 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

#7863 GREASE JOINT REJUVENATOR® MASTER KIT
Flushes Out Old Hardened Grease and Allows 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 drive trains

#8042 DIAMOND MICRO ROUND FILES
12-Piece Set Designed to Remove Corrosion From Small-Type Cannon, Deutsch, Bullet, NATO, Weather Pack and Other Small Round Terminal Connections

- Strong but flexible
- Diameter sizes range from .030" to .120" and 5" long
- Comes in a premium quality holster with magnetic clasp

#8050-#8053 AIR COMB® FILTER AND RADIATOR CLEANER
Multi-Port Air Gun with Flush 90° Air Flow. Available in 12", 24", 36" and 48" Sizes

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

#8051 24" MODEL SHOWN

5X the air volume
Letter from the President of IPA®

My name is Peter Vinci and I am the president of IPA®. I would like to first thank you for your interest in IPA®’s product line and share my commitment to you, our products and our policies. 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 directly via my email, 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 products 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.

Peter Vinci
President
Innovative Products of America®

Warranty Information

We stand behind the quality of our tools and equipment. All IPA® tools are backed by a 24-Hour (business day) Repair or Replace Policy that is second-to-none. Once your item arrives at our facility, we will repair or replace it and ship it back to you within 24 hours. To return an item for warranty, call our toll free number to receive your RGA# before shipping the product back to IPA®. For more information, please call (888) 786-7899 or email: techsupport@ipatools.com

Innovative Products of America® Incorporated has established a Lifetime, 3-Year or 1-Year Warranty Policy depending on which tool you purchase. 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

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

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