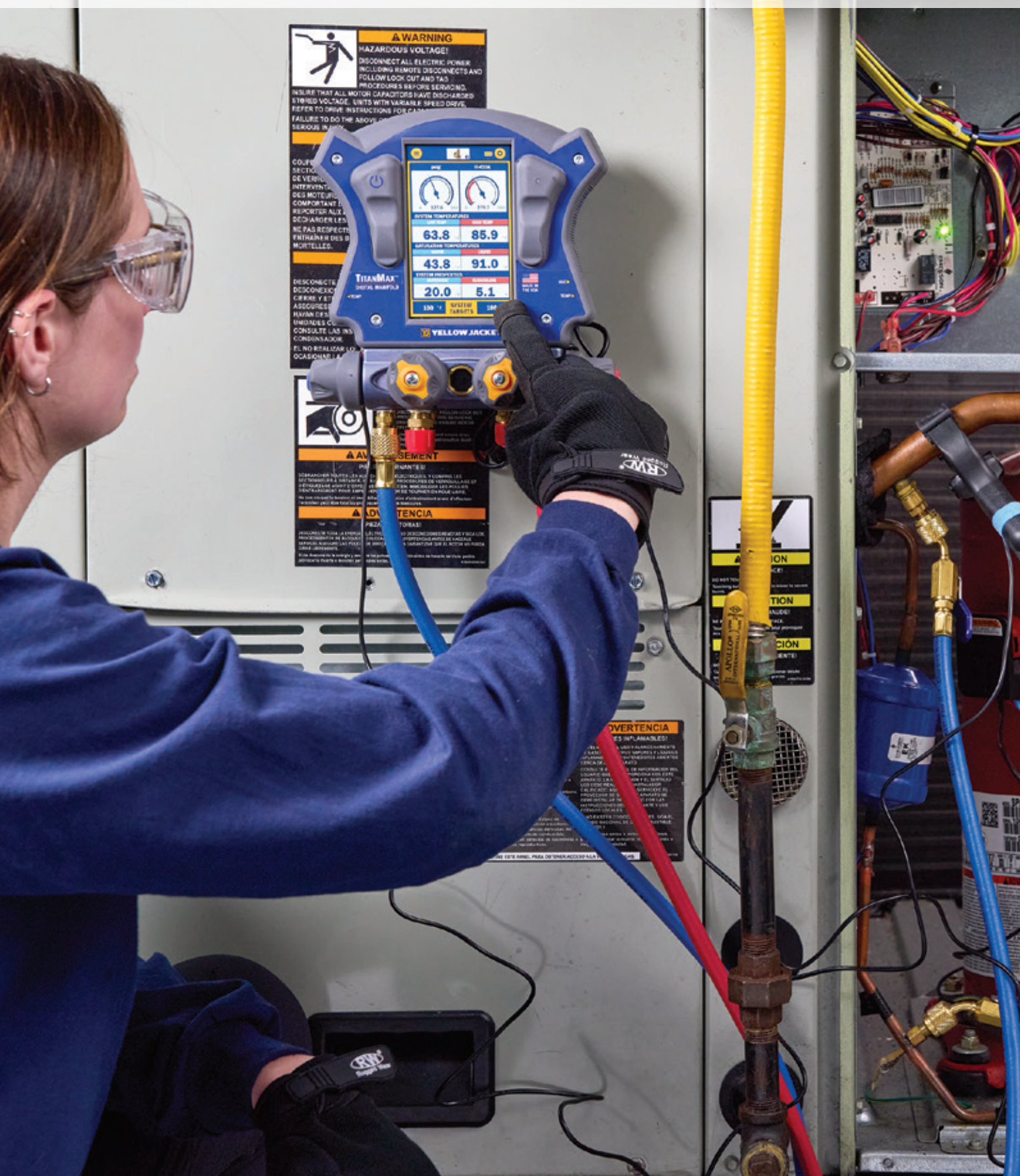


1. CHARGING SYSTEMS
2. GAUGES
3. RECOVERY MACHINES
4. VACUUM PUMP SYSTEMS
5. VACUUM AND CHARGING HOSES
6. HOSE ADAPTERS, VALVES & PARTS
7. WIRELESS AND ELECTRONIC INSTRUMENTS
8. LEAK DETECTORS AND MONITORS
9. HEATING INSTRUMENTS
10. SYSTEM TOOLS

CHARGING SYSTEMS & DIAGNOSTIC TOOLS





YJACK® SERIES

YJACK® Series sensors work together to provide a total HVAC/R diagnostics solution with wireless convenience. Coupled with the P51 TITAN® Digital Manifold, the user has all the necessary information for complete system diagnostics.



YELLOW JACKET®

TITANMAX™ DIGITAL MANIFOLDS **NEW!**



Technological Innovations Combined with the Most Comprehensive Apps... YJACK VIEW® and measureQuick®.

The **YELLOW JACKET® TITANMAX™ Digital Manifold** provides the easiest path to system measurements. This 4-valve manifold provides fast and accurate measurements for refrigeration and A/C systems. The high resolution backlit touchscreen display erases the need for multi-function buttons and provides clear graphical and digital measurements. It also features internal data logging. Connect via Bluetooth® to the **YJACK VIEW® App** or **measureQuick® App** for further analysis.

TITANMAX™ P/N 40881 includes TITAN® Temperature Clamps (2), Vacuum Sensor & USB-C Charging/Data Cable.



INFORMATION LINK ON MAJOR SCREENS

Also available in backpack kits - see next page.

FEATURES & BENEFITS

- Measures high and low side pressures and temperatures
- Displays vapor and liquid saturation temperatures
- Calculates system superheat and subcooling
- On-board data logging; export to your computer with USB or to your phone via YJACK VIEW® App
- Compatible with measureQuick® App
- Pressure hold mode displays rate of change for vacuum and positive pressure measurements
- Wirelessly measure and display relative humidity, dry bulb, wet bulb and dew point temperature alongside system pressure and temperature measurements with YJACK DEW®
- High resolution, full color, backlit, 5" touchscreen display:
 - Ultimate user interface – information on major screens
 - Adjustable timing for auto shut-off
 - Touchscreen never has to be calibrated
 - Digital and graphical pressure/temperature measurements
 - Choose from relevant refrigerant profiles stored including A2L – may designate 3 favorites
- Robust housing with ergonomic grip:
 - 4-way TITAN® valve block
 - Integrated magnets for mounting on equipment cabinet may also be used to store TITAN® Temperature Clamps
 - Pivoting hook
 - Convenient connections for USB port, temperature clamps, and vacuum sensor
- External vacuum sensor with high and low alarms:
 - Vacuum measurements, set targets and leak testing
- Large TITAN® Temperature Clamps (2) fit pipes up to 1-5/8"
- Bluetooth® 5.2; range up to 1,000 feet
- Maximum working pressure 740 psia (51.0 bar)
- Multiple languages: French, Spanish, German and English
- Rechargeable battery with life indicator:
 - Continuous use no backlight: 80 hours
 - Continuous use with full backlight: 4.5 hours
- US and INTL units (bar, psia, psig, kPa, MPa, kg/cm2)
- Meets IP52 standards
- Two-year warranty**



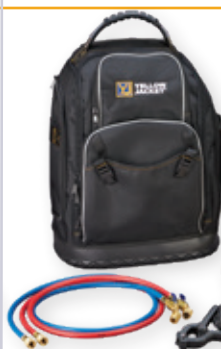
MADE IN THE USA



SET OF 4 HOSES!

40880 INCLUDES:

- TITAN® Temperature Clamps (2) (P/N 40846)
- Vacuum Sensor (P/N 67044)
- Set of four PLUS II™ Hoses: (3) 60" RYB, 1/4" (P/N 21985); (1) 60", 3/8" Yellow Vacuum Hose 3/8" Straight x 3/8" 45° (P/N 18160)
- USB-C Charge & Data Cable (P/N 40847)
- Backpack - multi-pocket (P/N 40845)



SET OF 6 HOSES!

40885 INCLUDES:

- TITAN® Temperature Clamps (2) (P/N 40846)
- Vacuum Sensor (P/N 67044)
- Set of six PLUS II™ Hoses: (3) 60" RYB, 1/4" Compact Ball Valve (P/N 29985); (1) 60", 3/8" Yellow Vacuum Hose 3/8" Straight x 3/8" 45° (P/N 18160); (2) Compact Ball Valve 1/4" x 5/16" (P/Ns 29425 and 29465)
- USB-C Charge & Data Cable (P/N 40847)
- Backpack - multi-pocket (P/N 40845)



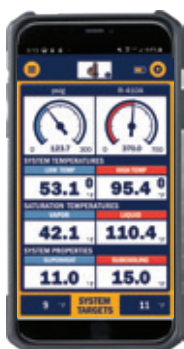
WIRELESS WITH YJACK®

40887 INCLUDES:

- YJACK® Temperature Clamps (2) (P/N 67061)
- YJACK VAC® Vacuum Gauge (P/N 67066)
- Set of six PLUS II™ Hoses: (3) 60" RYB, 1/4" Compact Ball Valve (P/N 29985); (1) 60", 3/8" Yellow Vacuum Hose 3/8" Straight x 3/8" 45° (P/N 18160); (2) Compact Ball Valve 1/4" x 5/16" (P/Ns 29425 and 29465)
- USB-C Charge & Data Cable (P/N 40847)
- Backpack - multi-pocket (P/N 40845)

YJACK VIEW® APP FEATURES

- Measure HVAC/R system pressure, temperature, saturation temperature, superheat and subcooling
- Monitor system evacuation status
- Check indoor air comfort and system efficiency with psychrometric air calculations: Percent relative humidity, dry bulb, wet bulb and dew point temperature measurements
- Monitor status of all nearby YJACK® and TITANMAX™ and P51-870 TITAN® devices
- Customize data view for each measurement
- Freely switch between multiple simultaneous sessions without loss of data
- Create highly customized datalogs to be saved or emailed from your smart device
- All relevant refrigerant profiles found in the REFPROP database
- Available on iOS (version 10 or later) and Android (version 8 or later) smart devices

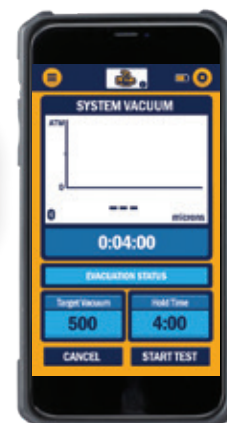


P/T Screen



P/N 40845

Bluetooth®



Evacuation Screen



| UPC # | Description |
|-----------------------------------|--|
| 40881 | TITANMAX™ Manifold, TITAN® Temperature Clamps (2), Vacuum Sensor, USB-C Cord |
| BACKPACK KITS WITH PLUS II™ HOSES | |
| 40880 | TITANMAX™ Manifold, TITAN® Temperature Clamps (2), Vacuum Sensor, USB-C Cord, Set of (4) PLUS II™ Hoses: (3) 60" 1/4" RYB, (1) 60" 3/8" Yellow Vacuum Hose 3/8" Straight x 3/8" 45°, Backpack |
| 40885 | TITANMAX™ Manifold, TITAN® Temperature Clamps (2), Vacuum Sensor, USB-C Cord, Set of (6) PLUS II™ Hoses: (3) 60" 1/4" RYB, Compact Ball Valve, (1) 60" 3/8" Yellow Vacuum Hose 3/8" Straight x 3/8" 45°, (2) Compact Ball Valve 1/4" x 5/16", Backpack |
| 40887 | TITANMAX™ Manifold, YJACK® Temperature Clamps (2), YJACK VAC® Vacuum Gauge, USB-C Cord, Set of (6) PLUS II™ Hoses: (3) 60" 1/4" RYB, Compact Ball Valve, (1) 60" 3/8" Yellow Vacuum Hose 3/8" Straight x 3/8" 45°, (2) Compact Ball Valve 1/4" x 5/16", Backpack |
| 40845 | TITANMAX™ Backpack ONLY |

YJACK® WIRELESS PROBES FOR A MORE CONNECTED TECH



The YJACK® Series is a network of devices that form a complete platform offering a total HVAC/R diagnostics solution. Multiple devices can measure system and environmental parameters, providing a complete picture of a system's condition.

Each device utilizes Low Energy Bluetooth® (BLE) technology to interconnect with each other and any smart device, Android™ or iOS. Many of the YJACK® Series devices communicate directly with TITANMAX™ and P51-870 TITAN® Digital Manifolds.



Enhanced YJACK VIEW® App

- Customized PDF service reports
- Supply and return air enthalpy
- System heating/cooling efficiency
- System Energy Efficiency Ratio (EER)

The YJACK VIEW® App provides ease of access to all information measured by the YJACK® Series of devices and TITANMAX™ and P51-870 TITAN® Digital Manifolds.



YJACK® SERIES WIRELESS PROBES



MADE IN THE USA



400' Bluetooth® Signal Range

Network of Wireless Devices for a Total HVAC/R Diagnostic Solution

YJACK VIEW® App and measureQuick® App* provide seamless integration with YJACK® Probes, TITANMAX™ and P51-870 TITAN® Digital Manifolds.



* See select YJACK® Probes compatible with measureQuick® App.

YJACK FLOW™ Anemometer 1000' Bluetooth® Signal Range

- Measures and displays duct air speed readings in fpm, ft/s, m/s and m/min
- Automatically calculates quantity and location of readings in ducts

NEW!



67069 YJACK FLOW™ Anemometer

YJACK VAC® Vacuum Gauge 1000' Bluetooth® Signal Range*

- System vacuum measurement from atmospheric pressure to 1 micron
- Robust sensor resists pressure shock and oil contamination



67066 YJACK VAC® Vacuum Gauge

YJACK PATH® Range Extender 400' Bluetooth® Signal Range

- Connects and rebroadcasts up to (6) YJACK® probes and P51-870 TITAN® Digital Manifolds
- Adds up to additional 400 ft line-of-sight signal range per device



67060 YJACK PATH® Range Extender

YJACK® Temperature Clamp 1000' Bluetooth® Signal Range*

- Measures surface temperature of pipes up to 1.25" diameter
- Temperature clamp provides strong, secure connection to system



67061 YJACK® Temperature Clamp

YJACK® Temperature Strap 1000' Bluetooth® Signal Range*

- Measures surface temperature of pipes up to 6" diameter
- Elastic strap for secure connection



67062 YJACK® Temperature Strap

YJACK MANO® Manometer

- Measures static pressure up to +/- 60 inches of water column
- Pressure probe tips and adapters included for accurate duct and gas pressure measurements
- Display readings on the local display or remotely with the YJACK VIEW® App



67068 YJACK MANO® Manometer

YJACK AMP® Current Probe 1000' Bluetooth® Signal Range*

- Measures current up to 50 Amps AC
- Current Sensor Accuracy: +/-1% of reading or +/- 0.15 Amps



67067 YJACK AMP® Current Probe

YJACK DEW® Psychrometer 1000' Bluetooth® Signal Range*

- Measures percent relative humidity, dry bulb temperature, wet bulb temperature and dew point temperature



67063 YJACK DEW® Psychrometer

YJACK PRESS® Pressure Gauge 400' Bluetooth® Signal Range

- Measures system pressure up to 725 psig (50 bar)
- 45° x 1/4" quick-coupler fitting for versatile system attachment



67065 YJACK PRESS® Pressure Gauge

YJACK VIEW® HIGHLIGHTS:

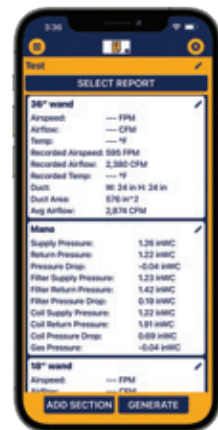
- Compatible with all YJACK®, TITANMAX™ and P51-870 TITAN® devices (firmware version v4.0 or later)
- Freely navigate between available session types and multiple sessions at one time
- Psychrometric System Efficiency and Leak Test sessions and communication capabilities with YJACK PRESS®, YJACK VAC® and YJACK AMP® in v3.0+; YJACK MANO® update to v4.0+
- Easily place and monitor status of all YJACK®, TITANMAX™ and P51-870 TITAN® devices from one screen
- Adjustable datalog formatting, multiple sampling intervals
- Generate customized and detailed service reports capturing system readings and equipment information



* See web page for beginning serials numbers for up to 1000' Bluetooth® signal range

YJACK VIEW® SMART APPLICATION:

- Measure HVAC/R system pressure, temperature, saturation temperature, superheat and subcooling
- Monitor system evacuation status
- Check indoor air comfort and system efficiency with psychrometric air calculations: percent relative humidity, dry bulb, wet bulb and dew point temperature measurements
- Perform system leak tests and track pressure change over time
- Measure system charge with scale weight readings during charging and recovery operations
- Take electrical current measurements and analyze critical system power information
- Identify duct pressure changes and measure regulator gas pressures
- Generate highly customized and detailed service reports capturing system readings and equipment information
- Monitor status of all nearby YJACK®, TITANMAX™ and P51-870 TITAN® devices
- Freely switch between multiple simultaneous sessions without loss of data
- Customize data view for each measurement in traditional number format or graphically
- Create data logs to be saved or emailed from your smart device
- Choose from relevant refrigerant profiles found in the REFPROP database
- Available on iOS (version 10 or later) and Android™ (version 8 or later) smart devices

**CREATE SERVICE REPORTS**

Service report feature creates highly customizable PDF reports of system measurements and service information while storing previous jobs and reports.

ENHANCED DATA LOGGING

Record data from one or all current session types. Choose from a variety of sampling rates depending on user need. Live updates to selected devices, units, elevation and refrigerant selection appended to existing data logs. Start and stop data logging at will – save for later or share via email for remote analysis.

STATIC PRESSURE SESSION

Displays pressure readings from YJACK MANO® for measurement of duct pressure changes and regulator gas pressure.

PRESSURE / TEMPERATURE

View system pressure and temperature data as reported by combination of YJACK PRESS®, temperature clamps, TITANMAX™ or P51-870 TITAN®. Easily select and favorite commonly-used refrigerants for calculating system properties including saturation temperatures and calculated system superheat/subcooling. Effortlessly manipulate data view types, including traditional large numeric format, analog gauge (pressure only) or graphically.

PSYCHROMETRIC SYSTEM EFFICIENCY

Analyze psychrometric data reported by (2) YJACK DEW® devices. Ensure maximum comfort through wireless supply and return relative humidity, dry bulb, wet bulb, dew point temperatures and enthalpy calculations. Compare system-rated capacity to actual output for overall system efficiency.

EVACUATION

Monitor system vacuum as reported by a P51-870 TITAN® external wired vacuum sensor or the YJACK VAC® Wireless Vacuum Gauge. Data can be displayed as traditional large numeric format, analog gauge or graphically. Adjustable vacuum pressure target and hold timer ensures all non-condensable gases are removed from the system during evacuation.

LEAK TEST

Monitor pressure changes during nitrogen leak testing to verify that system is tight and view system pressure trends.

CHARGING & RECOVERY

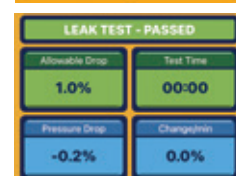
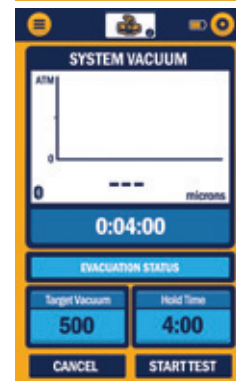
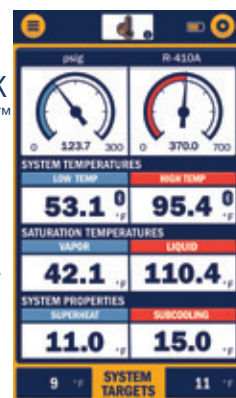
Display scale readings from the Wireless Charging Scale (P/N 68864) to accurately charge systems or to determine system charge amount through recovery.

ELECTRICAL

Electrical session displays readings from YJACK AMP® Wireless Current Probe while calculating power draw and system Energy Efficiency Ratio (EER).

ANEMOMETER *NEW*

Automatically calculates quantity and location of readings in rectangular and circular ducts. Complete single line recordings for duct flow comparisons.



YJACK® KITS



67070
YJACK® Temperature
Clamp Kit



67071
YJACK® Temperature/
Humidity Kit



67072
YJACK® Charging Kit



67073
YJACK® Charging & Air Kit



67074
YJACK® Charging &
Evacuation Kit



67090
YJACK® Tool Bag

YJACK VIEW® APP SUPPORTED YELLOW JACKET® DEVICES:

- TITANMAX™ Digital Manifold
- P51-870 TITAN® Digital Manifold
- YJACK PATH® Range Extender
- YJACK PRESS® Pressure Gauge
- YJACK VAC® Vacuum Gauge
- YJACK AMP® Current Probe
- YJACK® Temperature Clamp
- YJACK® Temperature Strap
- YJACK DEW® Psychrometer
- YJACK MANO® Manometer
- YJACK FLOW™ Anemometer
- Wireless Refrigerant Scale (P/N 68864)

YJACK VIEW® App
Apple/App Store



YJACK VIEW® App
Android™/Google Play



Firmware Updates



iPhone iPad



Bluetooth®

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- Android is a trademark of Google Inc.
- The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Ritchie Engineering is under license.



TITANMAX™ DIGITAL MANIFOLD KIT WITH YJACK® WIRELESS PROBES

40887 KIT INCLUDES:

- YJACK® Vacuum Gauge (P/N 67066)
- Set of (6) 60" PLUS II™ Manifold Hoses:
 - (3) RYB compact ball valves (P/N 29985)
 - (1) Y 3/8" str x 3/8" 45° (P/N 18160)
 - (2) Compact ball valve 1/4" x 5/16" (P/N 29425 and 29465)
- (2) YJACK® Temperature Clamps (P/N 67061)
- USB-C Charging/Data Cable (P/N 40847)
- Backpack - multi-pocket (P/N 40845)



| UPC # | Description |
|-------|---|
| 67060 | YJACK PATH® Range Extender |
| 67061 | YJACK® Temperature Clamp |
| 67062 | YJACK® Temperature Strap |
| 67063 | YJACK DEW® Psychrometer |
| 67065 | YJACK PRESS® Pressure Gauge |
| 67066 | YJACK VAC® Vacuum Gauge |
| 67067 | YJACK AMP® Current Probe |
| 67068 | YJACK MANO® Dual Port Manometer |
| 67069 | YJACK FLOW™ Anemometer NEW! |
| 67090 | YJACK® Tool Bag NEW! |
| 67070 | YJACK® Temperature Clamp Kit: (2) YJACK® Temperature Clamps, (1) YJACK PATH® |
| 67071 | YJACK® Temperature/Humidity Kit: (2) YJACK® Temperature Clamps, (2) YJACK DEW® Psychrometers, (1) YJACK PATH® |
| 67072 | YJACK® Charging Kit: (2) YJACK PRESS® Pressure Gauges, (2) YJACK® Temperature Clamps |
| 67073 | YJACK® Charging & Air Kit: (2) YJACK PRESS® Pressure Gauges, (2) YJACK® Temperature Clamps, (2) YJACK DEW® Psychrometers |
| 67074 | YJACK® Charging & Evacuation Kit: (2) YJACK PRESS® Pressure Gauges, (2) YJACK® Temperature Clamps, (1) YJACK VAC® Vacuum Gauge |
| 40887 | TITANMAX™ Manifold, YJACK VAC® Vacuum Gauge, YJACK® Temperature Clamps (2), USB-C Cord, Set of (6) PLUS II™ Hoses; Backpack NEW! |

ManTooth® WIRELESS VACUUM GAUGE AND P/T GAUGE COMBINATION



The YELLOW JACKET® ManTooth®-PTV (67023) shown above provides vacuum and high- and low-side P/T readings. This full set includes dual non-tethered pressure/temperature gauges, two wired temperature clamps, and one interchangeable vacuum gauge. The single ManTooth®-PTV (67021) can be combined with an existing ManTooth® P/T device (67001) for adding wireless vacuum capability and/or expanding it to a full system analysis tool. Simply update your ManTooth® P/T app to version 2.0, connect to the 67020 hardware, and you're ready to go!

To enable mounting on 5/16" systems, add coupler 19221 (90°) or 19121 (straight).



Pressure/Temperature Specifications

| | |
|---------------------------------------|---|
| Pressure Sensing Resolution | 0.1 psi, 0.1 bar, 1 kPa, 0.001 MPa, 0.01 kg/cm ² |
| Pressure Sensing Accuracy | 0.5% of full scale at 25°C; 1% of full scale 55°F to 130°F; 2% of full scale -40°F to 248°F |
| Working Pressure | 0 – 700 psia (48.3 bar) |
| Proof Pressure | Tolerable pressure without internal damage 1000 psia |
| Burst Pressure | Tolerable pressure without loss of seal 1500 psia |
| Temperature Sensor Range (Instrument) | Sensing element: -40°F to 266°F (-40°C to 130°C); Max Cord temp: 176°F (80°C); Max Clamp Temp: 203°F (95°C) |
| Temperature Display Resolution | 0.1°F or °C |
| Temperature Accuracy (Instrument) | ±0.2°C (±0.36°F) |
| Working Temperature | -4°F to 160°F (-20°C to 71°C) Limited by battery |
| Storage Temperature | -4°F to 160°F (-20°C to 71°C) - for best battery performance do not store at over 100°F (38°C) |
| Working Humidity | 0-95% RH (non-condensing) |
| IP Class | IP 50 |
| Bluetooth Range | 70-90 ft. (Class 1) or 30-40 ft. (Class 2) in most cases (varies depending on the Bluetooth capability of smart device used). Under perfect conditions (clear line of sight and low interference) communications can extend up to 300 feet. |
| Bluetooth Radio | Class 1 Bluetooth 2.1 Radio |
| Size and weight | 6" long x 1.6" wide x 2.3" thick (15.3 x 4 x 5.8 cm); 0.5 lbs (225 grams) |
| Superheat and Subcool | Automatically calculated by the ManTooth App |
| Max. and Min. Pressures | Displays and records the maximum and minimum pressures |
| Refrigerant Database | 126 NIST refrigerant profiles included; upgradeable |
| Screenshot Feature | Save pressure and temperature readings from your sessions; automatically organize |
| Temperature Sensors | Capable of measuring 2 temperatures using high accuracy NTC thermistors |
| Pressure Transducers | 67001/67003 – one pressure transducer; 67002 – two pressure transducers |
| System Attachment | Very small internal volume minimizes refrigerant loss during system analysis |
| Pressure Zeroing | Simple single button zeroing at the start of each session |
| Elevation Compensation | Enter elevation at the start of the session for effortless psia compensation |
| Battery | Rechargeable LiPo battery for 10+ hours continuous life |

Vacuum Specifications

| | |
|--------------------------------|---|
| Cord Length | Approximately 33" |
| Magnet Strength | 8 lbs. holding force |
| Operational Temperature Range | 10 – 122F 12 – 50C |
| Calibration | Calibration standards traceable to NIST |
| Resolution | .1 micron |
| Warm-Up Time and Response Time | Instant |

Product Features:

- Interchangeable/removable vacuum gauge
- Easy-to-clean vacuum sensor
- Built-in Schrader cores for easy refrigerant charging
- Operates with and without hoses attached
- Two year warranty
- High impact glass reinforced housing
- Rechargeable LiPo battery for long battery life
- Robust/rugged vacuum sensor
- Integral magnet for mounting on framework
- Integrated rubber side grip for easy handling

App Features:

- Available in English, French, Spanish, Dutch, and German
- Data logging to record and document values during servicing
- Improved connectivity and reconnect process if signal is lost
- Ability to download logged data for graphing in Excel
- For iOS and Android™ devices
- Backwards compatible with existing ManTooth® devices (excluding vacuum gauge)

| UPC# | Description |
|-------|--|
| 67020 | ManTooth®-V (Vacuum only) with side grip |
| 67021 | ManTooth®-PTV Single with side grip |
| 67023 | ManTooth®-PTV Dual with side grip |
| 69030 | Vacuum Sensor Cleaning Kit |
| UPC# | Replacement Parts |
| 67044 | Vacuum sensor |
| 67012 | USB cord |
| 67014 | Carrying case |
| 93394 | Tether cap |
| 19020 | Hose gaskets (10 pak) |
| 19121 | Straight 5/16" Flare quick connect x 1/4" Male coupler |
| 19221 | 90° 5/16" Flare quick connect x 1/4" Male coupler |
| 19302 | Valve depressor (10 pak) |
| 19305 | Schrader valve (10 pak) |



69030

ManTooth® WIRELESS DIGITAL PRESSURE/TEMPERATURE GAUGE



The YELLOW JACKET® ManTooth® Wireless Digital Pressure/Temperature Gauge provides wireless connection to your smart device so you can test the system without losing refrigerant (no hoses or manifolds necessary)!

The free downloadable ManTooth® RSA app wirelessly calculates and displays the system's actual pressures, temperatures, superheat and subcooling in an easy-to-read color format on your iPhone®, iPad® or Android™ device.

Additional Features:

- Built-in Schrader ports to easily adjust refrigerant charge
- Range up to 400' (unobstructed)
- YELLOW JACKET® ManTooth® RSA app (free download)
- Two-year warranty
- Screenshot feature allows you to save pressure and temperature readings from your sessions which can be automatically organized by location and unit being serviced
- Share screenshots via e-mail right from your phone
- Easily track and store service history
- Rechargeable lithium polymer battery with 10 hours battery life

The ManTooth® Single Pressure Wireless Digital P/T Gauge includes a single hardware device and clamp. Two single units can be purchased in a case by ordering Part #67003.

For dual pressure readings, use two of the 67001 ManTooth® single pressure gauges or the 67002 ManTooth® Dual Pressure Unit which comes with a P/T module, tether unit and two temperature probe clamps. This unit also includes a convenient carrying case which can be purchased separately for the single pressure unit.

| UPC# | Description |
|-------|--|
| 67001 | ManTooth® Single Pressure Gauge (includes P/T Module with boot, temperature probe clamp, and USB cable) |
| 67002 | ManTooth® Dual Pressure Gauge Set (includes P/T Module and tether unit with boots, two temperature probe clamps, and USB cable in case) |
| 67003 | Two (2) ManTooth® Single Pressure Gauges (includes two P/T Modules with boots, two temperature probe clamps, and two USB cables in case) |
| UPC# | Replacement Parts |
| 67010 | Clamp |
| 67012 | USB Cord |
| 67013 | Blue boot |
| 67014 | Carrying case |
| 93394 | Tether cap |
| 19020 | Hose gaskets (10 pak) |
| 19302 | Valve depressor (10 pak) |
| 19305 | Schrader valve (10 pak) |

Specifications:

| | |
|---------------------------------------|---|
| Pressure Sensing Resolution | 0.1 psi, 0.1 bar, 1 kPa, 0.001 MPa, 0.01 kg/cm ² |
| Pressure Sensing Accuracy | 0.5% of full scale at 25°C; 1% of full scale 55°F to 130°F; 2% of full scale -40°F to 248°F |
| Working Pressure | 0 – 700 psia (48.3 bar) |
| Proof Pressure | Tolerable pressure without internal damage 1000 psia |
| Burst Pressure | Tolerable pressure without loss of seal 1500 psia |
| Temperature Sensor Range (Instrument) | Sensing element: -40°F to 266°F (-40°C to 130°C) Max Cord temp: 176°F (80°C); Max Clamp Temp: 203°F (95°C) |
| Temperature Display Resolution | 0.1°F or °C |
| Temperature Accuracy (Instrument) | ±0.2°C (±0.36°F) |
| Working Temperature | -4°F to 160°F (-20°C to 71°C) |
| Storage Temperature | -4°F to 160°F (-20°C to 71°C) |
| Working Humidity | 0-95% RH (non-condensing) |
| IP Class | IP 50 |
| Battery Life | 10+ hours continuous |
| Range | 70-90 ft. (Class 1) or 30-40 ft. (Class 2) in most cases (varies depending on the Bluetooth capability of smart device used). Under perfect conditions (clear line of sight and low interference) communications can extend up to 300 feet. |
| Bluetooth Radio | Class 1 Bluetooth 2.1 Radio |
| Size | 6" long x 1.6" wide x 2.3" thick (15.3 x 4 x 5.8 cm) |
| Weight | 0.5 lbs (225 grams) |
| Superheat and Subcool | Automatically calculated by the ManTooth App |
| Max. and Min. Pressures | Displays and records the max and min pressures |
| Refrigerant Database | 98 NIST refrigerant profiles included; upgradeable |
| Screenshot Feature | Save pressure and temperature readings from your sessions which can be automatically organized by location and serviced unit |
| Temperature Sensors | Capable of measuring 2 temperatures using high accuracy NTC thermistors |
| Pressure Transducers | 67001/67003 – one |
| System Attachment | 67002 – two |
| Pressure Zeroing | Very small internal volume minimizes refrigerant loss during system analysis. |
| Elevation Compensation | Simple single button zeroing at the start of each session |
| Battery | Enter at start of session for effortless psia compensation Rechargeable LiPo battery |



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HYDROCARBON CHARGING KIT



The **YELLOW JACKET® Hydrocarbon Charging Kit** provides all the necessary tools to charge R-290 (propane) and R-600a (isobutane) hydrocarbon systems safely and effectively. The single valve manifold and small ID hoses allow for effective system pressure measurement while minimizing the impact on the system charge. The bottle valve and adapters offer compatibility with a variety of R-290 and R-600a refrigerant bottles.

Features:

- Compact charging scale provides 0.05 g (0.01 oz) resolution for accurate charging
- Bottle stand offers stability for liquid charging with inverted refrigerant bottles
- Single valve manifold with 0.08" (2mm) ID x 24" REFFLEX® hoses
- Bottle valve for 7/16" threaded bottles
- Bottle adapter for 1" threaded bottles
- 90° quick-coupler fitting for compatibility with piercing and other right-angle bottle valves
- Line tap valve for system connection to 1/4", 5/16" or 3/8" process lines
- Vice grip pinch-off tool for crimping process tube after service is completed
- Safety placard provides visual warning of flammability risk during service
- Rugged case to protect the equipment when not in use
- One-year warranty



| UPC # | Description |
|-------|---|
| 61001 | Hydrocarbon Charging Kit |
| UPC # | Replacement Parts |
| 19201 | 90° Quick Coupler (for right-angle bottle valves) |
| 40349 | Low-Side Manifold R-600a/290 |
| 49188 | 3-1/8", Blue Compound, bar/psi, R-600a/290 Gauge (°F/°C) |
| 60661 | Vice Grip Pinch-Off Tool |
| 61002 | HC Kit Bottle Stand |
| 61003 | HC Kit Scale |
| 61004 | HC Kit Manifold Assembly (manifold, hoses and connectors) |
| 61005 | HC Kit Hose (single 0.08"/2 mm x 24" yellow hose) |
| 61008 | HC Kit Bottle Valve (for 7/16" threaded bottle connections) |
| 61009 | HC Kit Bottle Adapter (for 1" threaded bottle connections) |
| 61010 | Line Tap Valve |
| 61013 | Propane Safety Placard |

Specifications:

Overall Kit

| | |
|--------------------------|--------------------------------|
| Compatible Refrigerants: | R-290 and R-600a |
| System Connections: | 1/4", 5/16", 3/8" OD Tubing |
| Operating Temperature: | 0° to 130°F (-18° to 55°C) |
| Operating Pressure: | -14.7 to 101 psi (-1 to 7 bar) |

| | |
|-----------------------|--|
| Bottle Compatibility: | Valve and adapter work with most 7/16" and 1" threaded bottle connections. The 19201 90° Quick Coupler allows for connection of piercing-type and other right-angle bottle valves. |
|-----------------------|--|

Charging Scale

| | |
|----------------------|--|
| Capacity: | 13.22 lb (6 kg) |
| Accuracy: | 0.1% |
| Units of Measure: | Grams (g), Pounds (lb), Pounds & Ounces (lb/oz), Ounces (oz), Milliliters (ml) |
| Resolution: | 0.01 oz (0.05 g) |
| Overload Protection: | Yes |
| Power: | (3) AAA Batteries (included) |
| Battery Life: | 50+ hours |
| Auto-Off Timer: | 2 minutes after last reading change |

Hydrocarbon Single Valve Manifold

| | |
|-----------------|--|
| Pressure Range: | -14.7 to 101 psi (-1 to 7 bar) |
| Refrigerants: | R-290 and R-600a (saturation temperatures in °F and °C) |
| Hose Length: | 24" (610 mm) |

Series 41 Hydrocarbon 2-Valve Manifold

| | |
|-----------------|--|
| Pressure Units: | bar/psi |
| Refrigerants: | R-290 and R-600a (saturation temperatures in °F and °C) |
| Hose Length: | 24" (610 mm) |
| Hose Fitting: | Quick Coupler |



| UPC # | Description |
|-------|---|
| 41868 | Series 41 Hydrocarbon 2-Valve Manifold with 24" (610 mm) RYB REFFLEX® Hoses |
| 41867 | Series 41 Hydrocarbon 2-Valve Manifold |
| 61015 | Hydrocarbon Hoses 24" (610 mm) RYB REFFLEX® 3 pak |

ManCover® Manifold Cover

- Large size fits most manifolds
- Rubber material for bounce protection while enroute to service calls
- Allows hoses to remain connected while protecting the gauge face from damage




| UPC # | Description |
|-------|--------------------------|
| 49095 | ManCover® Manifold Cover |

TITAN® 4-VALVE TEST & CHARGING MANIFOLD °F and °C





Forged aluminum alloy body makes this unit lightweight for handling ease with the durability and reliability required for repeated use.

- Fourth hose to enable connection to hi-/lo-sides, refrigerant tank and recovery unit or vacuum pump for diagnostics, evacuation and charging without switching hoses
- 3/8" Vacuum port for use with larger hose to cut evacuation time by up to 33% (all other fittings are 1/4")
- Large, easy-to-read 3-1/8" (80 mm) steel case red and blue, 1% accuracy (Class 1) gauges
- Double "O" ring piston for reliability and long service life

- Front access for easy field recalibration
- Exclusive 100 mesh filter in-line on all flare fittings helps keep out particulate material and extend the life of the seats
- Contoured easy-grip handles for positive control; color-coded for ready identification
- Sight glass to easily view refrigerant movement and condition during charging and recovery
- Optional protective gauge boots available
- Heavy duty hook won't pull out
- Manifold and hose holder fittings 1/4"-3/8"-1/4"-1/4" unless otherwise identified
- Made in the USA 

TITAN® 4-Valve

| UPC# | Description - °F/°C | Gauges | Scale | Refrigerant |
|--------|---|-------------|---------|--|
| 49914 | Manifold only with 5/16"-3/8"-5/16"-5/16" anchor and service fittings | Red/Blue | kPa/psi | R-32/410A |
| 49913 | 49914 with 60" PLUS II™ RYB and 3/8" x 45° | Red/Blue | kPa/psi | |
| 49915 | Manifold only with 5/16"-3/8"-1/4"-5/16" anchor fittings and 1/4"-3/8"-1/4"-1/4" service fittings | Red/Blue | kPa/psi | |
| 49922 | Manifold only | Liquid | bar/psi | R-22 |
| 49925 | Manifold with 60" PLUS II™ RYB and 3/8" x 45° | Liquid | bar/psi | |
| 49960 | Manifold with 60" PLUS II™ compact ball valve RYB and 3/8" x 45° A2L | Red/Blue | bar/psi | R-32/410A  |
| 49962 | Manifold only A2L | Red/Blue | bar/psi | |
| 49964 | Manifold only with 5/16-3/8-5/16-5/16" fittings A2L | Red/Blue | bar/psi | |
| 49965 | Manifold with 60" PLUS II™ RYB and 3/8" x 45° A2L | Red/Blue | bar/psi | |
| 49966 | Manifold only with 1/4" fittings A2L | Red/Blue | bar/psi | |
| 49971 | Heat pump manifold only, 1/4x5/16x1/4 hose holder fittings | Black/Black | bar/psi | R-410A |
| 49982 | Manifold only | Liquid | bar/psi | |
| 45925 | Manifold with (3) black CO2 hoses and (1) yellow 72" PLUS II 3/8" x 45° hose | Liquid | bar/psi | R-744 |
| UPC# | Description - °F | Gauges | Scale | Refrigerant |
| 49973 | Manifold only | Liquid | psi | R-22/410A |
| 49977 | Manifold with 60" PLUS II™ RYB and 3/8" x 45° | Liquid | psi | |
| 49963 | Manifold only | Red/Blue | psi | R-22/404A/410A |
| 49967 | Manifold with 60" PLUS II™ RYB and 3/8" x 45° | Red/Blue | psi | |
| 49968 | Manifold with 60" PLUS II™ compact ball valve RYB and 3/8" x 45° | Red/Blue | psi | |
| 49283* | Manifold only | Red/Blue | psi | R-22/134a/404A |
| 49983 | Manifold only | Red/Blue | psi | |
| 49987 | Manifold with 60" PLUS II™ RYB and 3/8" x 45° | Red/Blue | psi | |
| 49993 | Manifold only | Liquid | psi | R-32/454B/410A |
| 49997 | Manifold with 60" PLUS II™ RYB and 3/8" x 45° | Liquid | psi | |
| 49974 | Manifold only A2L | Red/Blue | psi | |
| 49975 | Manifold with 60" PLUS II™ RYB, compact ball valve and 3/8" Y A2L | Red/Blue | psi | R-134a/404A/407C  |
| 49932 | Manifold only | Red/Blue | psi | R-134a/404A/407C |
| 49935 | Manifold with 60" PLUS II™ RYB and 3/8" x 45° | Red/Blue | psi | |
| 49952 | Manifold only | Liquid | psi | |
| 49955 | Manifold with 60" PLUS II™ RYB and 3/8" x 45° | Liquid | psi | R-417A/422A/422D |
| 49900 | Manifold with 72" PLUS II™ RYB and 3/8" x 45° | Red/Blue | psi | |
| 49907 | Manifold only | Red/Blue | bar/psi | R-448A/449A/452D |
| UPC# | Description - °C | Gauges | Scale | Refrigerant |
| 49904 | Manifold with 60" PLUS II™ RYB | Red/Blue | kPa/psi | R-449A/R-452A/R-513A |
| 49916 | Manifold only | Red/Blue | bar/psi | R-12/22/502 |
| 49933 | Manifold only | Red/Blue | bar/psi | R-22/134a/404A |
| 49912 | Manifold only | Red/Blue | kPa/psi | |
| 49911 | 49912 manifold with 60" PLUS II™ RYB and 3/8" x 45° | Red/Blue | kPa/psi | R-134a/404A/407F |
| 49931 | Manifold only | Red/Blue | bar/psi | |
| 49934 | Manifold only; no sight glass | Red/Blue | bar/psi | R-134a/404A/407C |
| 49936 | Manifold only | Red/Blue | bar/MPa | |
| 49956 | Manifold only | Red/Blue | bar/psi | bar/psi |
| 49972 | Heat pump manifold; no sight glass; 800 psi both gauges | Black/Black | bar/psi | |



* Manifold comes standard with certified gauges. For more information on the certification of 3-1/8" gauges, see Gauges section.


For replacement parts, refer to the manual (also available at yellowjacket.com)

CO₂ TEST AND CHARGING MANIFOLDS

Manifold and hoses designed specifically for transcritical CO₂ (R-744) applications.



The YELLOW JACKET® TITAN® Test and Charging Manifold for transcritical CO₂ systems is constructed with a forged aluminum alloy body making it lightweight for handling ease and durability. No sightglass means added safety. It features true 45° SAE flare hoses 78" in length.

- Large, easy-to-read 3-1/8" (80 mm) liquid-filled red and blue, 1% accuracy (Class 1) gauges; psi/bar
- Proven, double "O"-ring piston for reliability and long service life
- Exclusive 100 mesh filter in-line on all flare fittings helps keep out particulate material and extends the life of the seats.
- Fourth hose to enable connection to hi/lo sides, refrigerant tank, and vacuum pump for diagnostics, evacuation and charging without switching hoses.
- 3/8" vacuum port for use with larger hose to cut evacuation time by up to 33% (all other fittings on unit are 1/4").
- Dedicated transcritical CO₂ hose 78" (200 cm) in length
- Designed and assembled in the USA 



| Specifications | |
|---|---|
| Scales: | LP 30 in. Hg/1500 psi (-1/+105 bar) -60° to 85°F (-52° to 30°C) HP 0/3000 psi (0/210 bar) |
| 4-valve forged aluminum body | |
| Precision stainless steel valve feed screws | |
| No sight glass for added safety | |
| Class 1, 3-1/8" (80 mm), oil-filled, pulse-free | |
| Fittings: | (3) 1/4"; (1) 3/8" (vacuum application only) |
| Hoses: | Three (3) black, 78" (200 cm), 1/4" SAE fittings (45°) <ul style="list-style-type: none">• Operating pressure 1740 psi (120 bar)• High pressure copper gaskets One (1) yellow, 78" (200 cm), 3/8" SAE fittings <ul style="list-style-type: none">• Operating pressure 594 psi (41 bar)• Neoprene built-in gaskets |
| UPC# | Description |
| 45925 | TITAN® CO2 Manifold with hoses (3) black and (1) yellow |
| 45930 | CO2 Transcritical Test and Charging Manifold with Quick Couplers |
| 45922 | CO2 78" (200 cm) black replacement hose (single) |
| 45923 | Nylon CO2 Manifold bag with handle and straps (optional) |
| 45924 | CO2 Manifold Carrying Case |
| 14579 | 3/8" 78" (200 cm) yellow replacement hose (single) |
| 49193 | High pressure replacement gauge |
| 49194 | Low pressure replacement gauge |

For replacement parts, refer to the manual (also available at yellowjacket.com)



TITAN® 2-VALVE TEST & CHARGING MANIFOLD °F and °C



Comes with the same features and benefits as the TITAN® 4-valve unit but without the fourth hose. All fittings 1/4" unless otherwise noted.



Replacement parts on following page.

| UPC# | Description - °F/°C | Gauges | Scale | Refrigerant |
|--------|---|----------|---------|---|
| 49814 | Manifold only with 5/16" fittings | Red/Blue | kPa/psi | R-32/410A  |
| 49813 | With 60" PLUS II™ 5/16x5/16" RYB | Red/Blue | kPa/psi | |
| 49815 | Manifold only with 5/16"-1/4"-5/16" anchor fittings and 1/4" service fittings | Red/Blue | kPa/psi | |
| 49862 | Manifold only with 1/4" fittings | Red/Blue | bar/psi | |
| 49860 | With 60" PLUS II™ compact ball valve RYB | Red/Blue | bar/psi | |
| 49864 | Manifold only with 5/16" fittings | Red/Blue | bar/psi | |
| 49865 | Manifold with 60" PLUS II™ RYB | Red/Blue | bar/psi | R-1234yf |
| 49866 | Manifold only with 5/16"-1/4"-5/16" anchor fittings and 1/4" service fittings | Red/Blue | bar/psi | |
| 49849 | With 72" PLUS II™ Acme fittings RYB | Red/Blue | psi | |
| UPC# | Description - °F | Gauges | Scale | Refrigerant |
| 49883 | Manifold only | Red/Blue | psi | R-22/134a/404A |
| 49887 | Manifold with 60" PLUS II™ RYB | Red/Blue | psi | |
| 49889 | Manifold with 60" PLUS II™ SealRight RYB | Red/Blue | psi | |
| 49801 | Manifold with 60" PLUS II™ SealRight RYB | Red/Blue | psi | R-22/404A/410A |
| 49863 | Manifold only | Red/Blue | psi | |
| 49281* | Manifold only | Red/Blue | psi | |
| 49867 | Manifold with 60" PLUS II™ RYB | Red/Blue | psi | R-134a/404A/407C |
| 49868 | With 60" PLUS II™ compact ball valve RYB | Red/Blue | psi | |
| 49832 | Manifold only | Red/Blue | psi | |
| 49835 | Manifold with 60" PLUS II™ RYB | Red/Blue | psi | R-12/22/134a |
| 49831 | Manifold with 60" PLUS II™ SealRight RYB | Red/Blue | psi | |
| 49847 | With 72" PLUS II™ Acme fittings RYB | Red/Blue | psi | |
| UPC# | Description - °C | Gauges | Scale | Refrigerant |
| 49804 | Manifold only | Red/Blue | MPa | R-449A/R-452A/R-513A |
| 49807 | Manifold with 60" PLUS II™ RYB | Red/Blue | MPa | R-449A/R-452A/R-513A |
| 49816 | Manifold only | Red/Blue | bar/psi | R-12/22/502 |
| 49833 | Manifold only | Red/Blue | bar/psi | R-22/134a/404A |
| 49812 | Manifold only | Red/Blue | kPa/psi | |
| 49811 | 49812 with 60" PLUS II™ RYB | Red/Blue | kPa/psi | R-134a/404A/407C |
| 49836 | Manifold only | Red/Blue | bar/MPa | |
| 49856 | Manifold only | Red/Blue | bar/psi | R-32/410A  |
| 40922 | Manifold only with 5/16" fittings | Red/Blue | MPa | |



* Manifold comes standard with certified gauges.


For replacement parts, refer to the manual (also available at yellowjacket.com)

PROTECTIVE GAUGE BOOTS

For 2-1/2" (63.5 mm), 3-1/8" (80 mm)

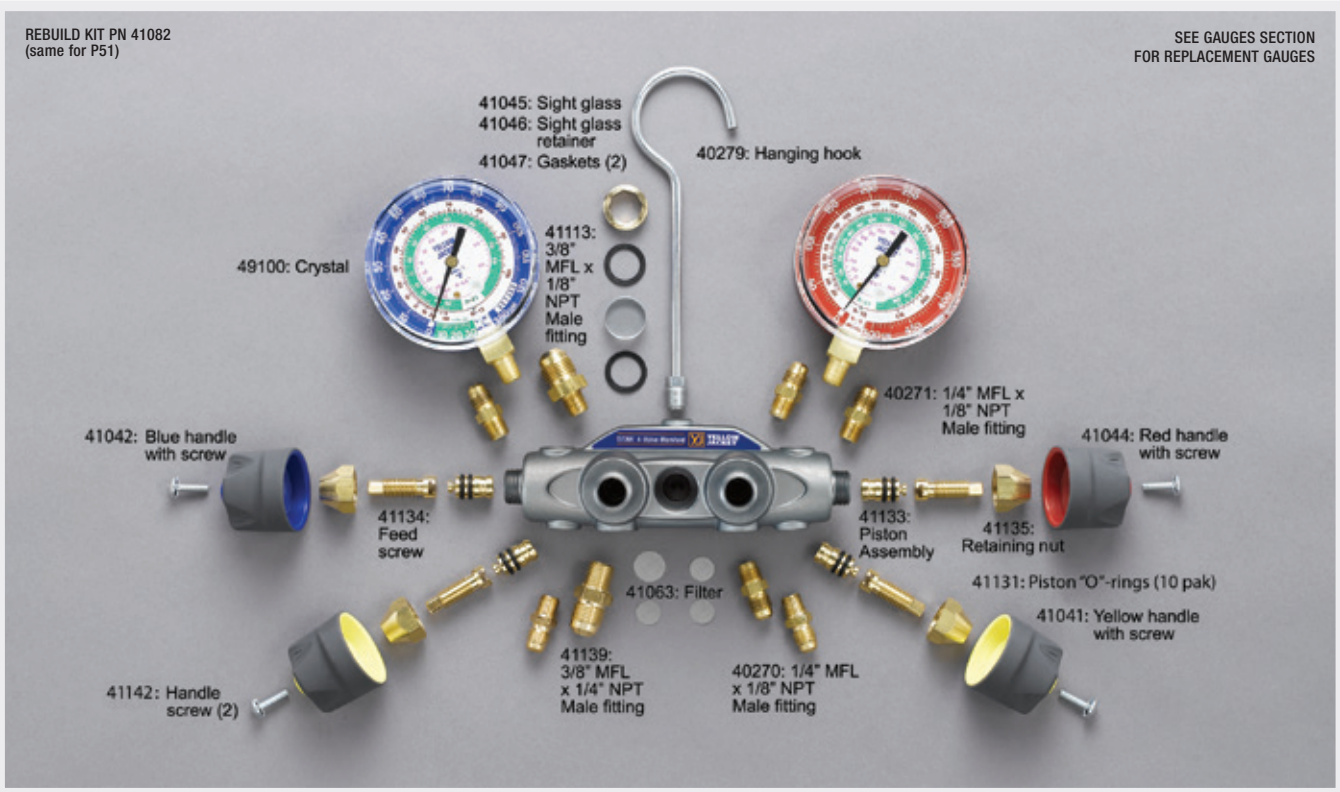


Rubber boots slip easily around gauges to cushion and protect them from impact.

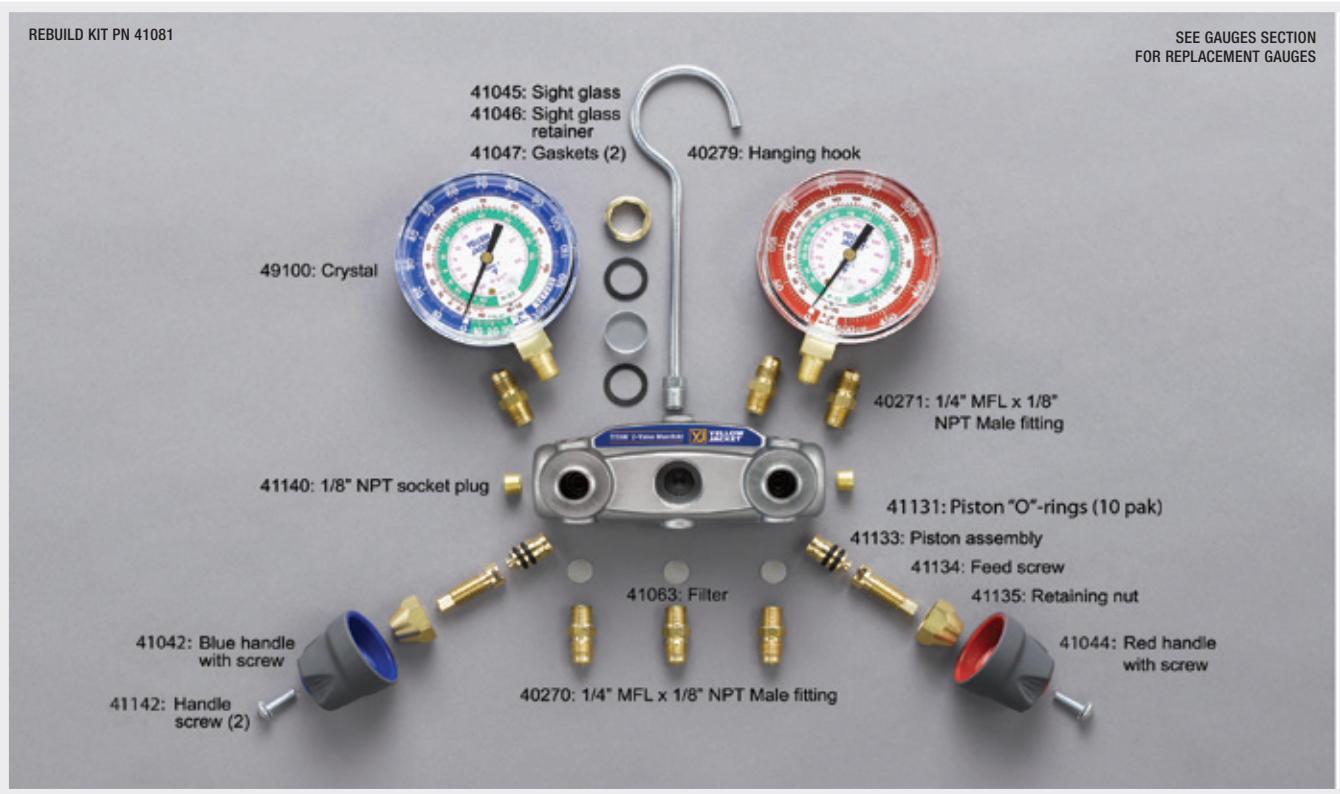
- Fit 2-1/2" and 3-1/8" gauges without covering easy access recalibration screw
- Color-coded red or blue to match gauge
- Made in the USA 

| UPC# | Description |
|-------|-----------------------------------|
| 49010 | 2-1/2" Polycarbonate Lens |
| 49090 | 2-1/2" Set of gauge boots |
| 49091 | 2-1/2" Red protective gauge boot |
| 49092 | 2-1/2" Blue protective gauge boot |
| 49100 | 3-1/8" Replacement crystal |
| 49190 | 3-1/8" Set of gauge boots |
| 49191 | 3-1/8" Red protective gauge boot |
| 49192 | 3-1/8" Blue protective gauge boot |

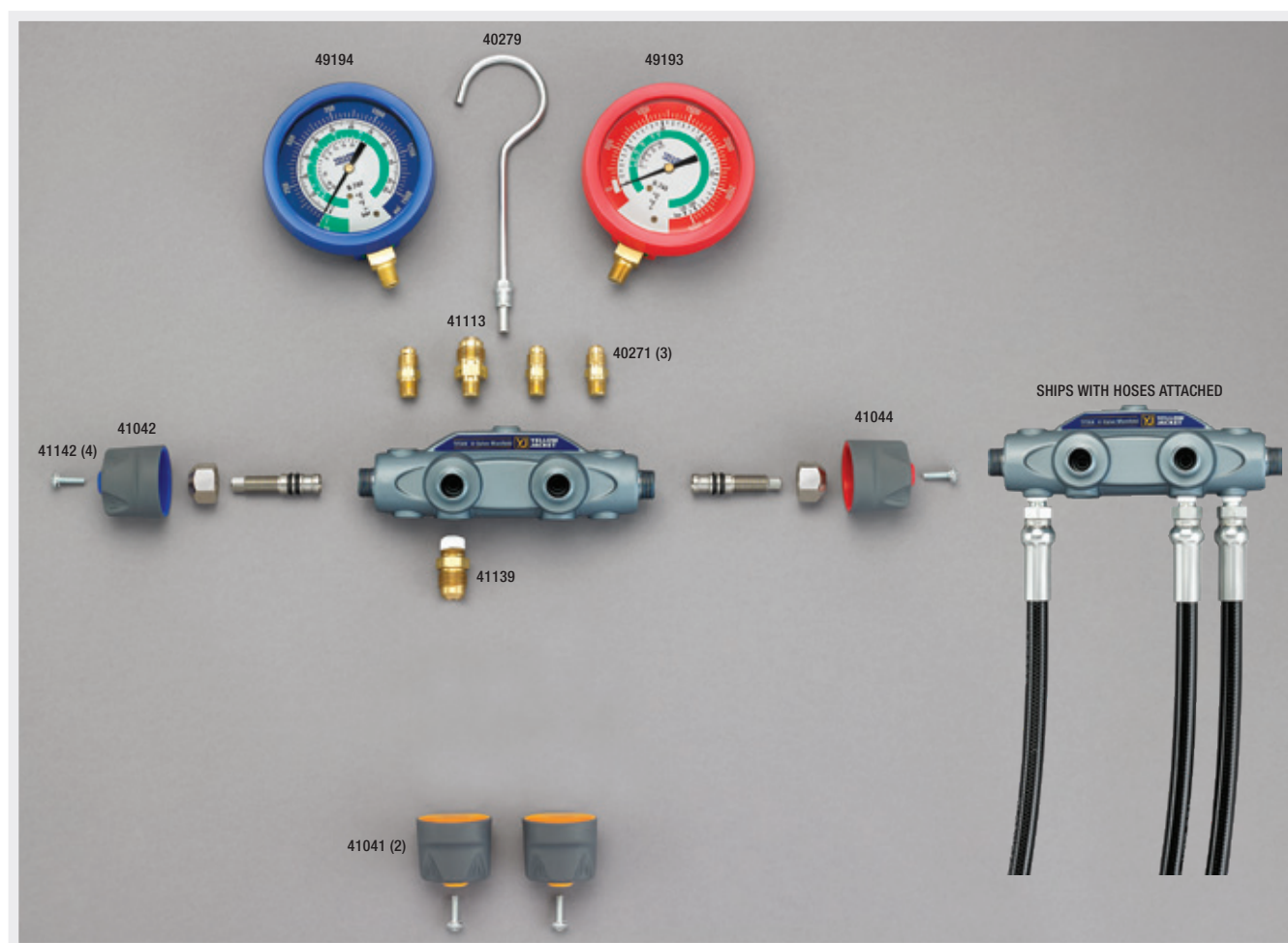
TITAN® 4-VALVE MANIFOLD REPLACEMENT PARTS



TITAN® 2-VALVE MANIFOLD REPLACEMENT PARTS



CO₂ TEST AND CHARGING MANIFOLD REPLACEMENT PARTS




BRUTE II® 4-VALVE TEST & CHARGING MANIFOLD °F and °C





The **BRUTE II®** 4-Valve Test and Charging Manifold provides the flow that's proven faster than any conventional manifold. The aluminum alloy body is forged for strength and reliability with 3/8" bores through the body to speed the job.

- Fourth hose enables connection to hi-/lo-sides, refrigerant tank and recovery unit or vacuum pump for diagnostics, evacuation and charging without switching hoses
- Available in 1/4" hi-/lo-sides with 3/8" vacuum port for regular jobs, or 3/8" hi-/lo-sides with 1/2" vacuum port for larger systems



- Double "O" ring piston for reliability and long service life
- Exclusive 100-mesh filter in-line on all flare fittings helps keep out particulate material and extend the life of the seat
- Front access for easy field recalibration
- Contoured easy-grip handles for positive control; color-coded for ready identification
- Sight glass to easily view refrigerant movement and condition during charging and recovery
- Heavy duty hook won't pull out
- Also available with 3-1/2" (90 mm) red and blue liquid-filled gauges
- Manifold and hose holder fittings 1/4"-3/8"-1/4"-1/4" unless otherwise identified
- Made in the USA 

BRUTE II® 4-Valve

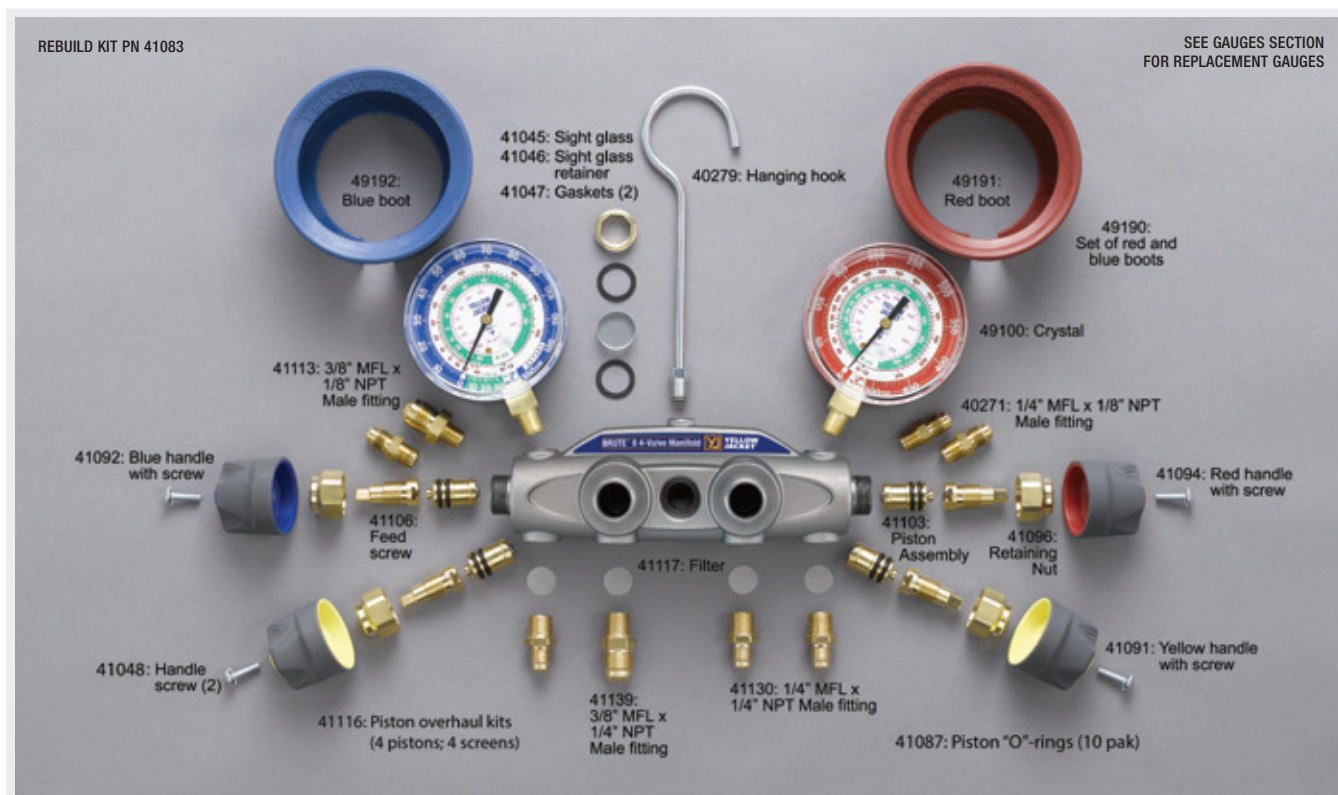
| UPC# | Description - °F/°C | Vacuum port | Hi/Lo charge | Gauges | Scale | Refrigerant |
|------------------------------|--|-------------|--------------|----------|---------|---|
| 46001 | Manifold only | 3/8" | 1/4" | Liquid | bar/psi | R-410A |
| 46021 | Manifold only | 3/8" | 1/4" | Liquid | bar/psi | R-22 |
| 46026 | Manifold with 72" PLUS II™ RYB and 3/8" x 45° | 3/8" | 1/4" | Liquid | bar/psi | R-22 |
| 46000 | Manifold only A2L | 3/8" | 1/4" | Red/Blue | bar/psi |  |
| 46003 | With 60" PLUS II™ compact ball valve RYB and 3/8" x 45° A2L | 3/8" | 1/4" | Red/Blue | bar/psi | |
| 46160 | Manifold only 5/16"-3/8"-1/4"-5/16" anchor and 1/4" service fittings A2L | — | — | Red/Blue | bar/psi | |
| 46170 | Manifold only 5/16"-3/8"-5/16"-5/16" anchor and service fittings A2L | — | — | Red/Blue | bar/psi | |
| 46174 | Manifold only 5/16"-3/8"-1/4"-5/16" anchor and 1/4" service fittings A2L | — | — | Red/Blue | kPa/psi | |
| 46176 | Manifold only 5/16"-3/8"-5/16"-5/16" anchor and service fittings | — | — | Red/Blue | kPa/psi | |
| UPC# | Description - °F | Vacuum port | Hi/Lo charge | Gauges | Scale | Refrigerant |
| 46011 | Manifold only | 3/8" | 1/4" | Liquid | psi | R-22/410A |
| 46010 | Manifold only | 3/8" | 1/4" | Red/Blue | psi | R-22/404A/410A |
| 46013 | Manifold with 60" PLUS II™ compact ball valve RYB and 3/8" x 45° | 3/8" | 1/4" | Red/Blue | psi | |
| 49291* | Manifold only | 3/8" | 1/4" | Red/Blue | psi | |
| 46022 | Manifold with 60" PLUS II™ RYB and 3/8" x 45° | 3/8" | 1/4" | Red/Blue | psi | R-134A/404A/407C |
| 46030 | Manifold only | 3/8" | 1/4" | Red/Blue | psi | |
| 46031 | Manifold only | 3/8" | 1/4" | Liquid | psi | |
| 46032 | Manifold with 60" PLUS II™ RYB and 3/8" x 45° | 3/8" | 1/4" | Red/Blue | psi | R-22/134A/404A |
| 46038 | Manifold with 72" PLUS II™ RYB and 3/8" x 45° | 3/8" | 1/4" | Liquid | psi | |
| 46040 | Manifold only | 3/8" | 1/4" | Red/Blue | psi | |
| 46041 | Manifold only | 3/8" | 1/4" | Liquid | psi | R-22/454B/410A |
| 46042 | Manifold with 60" PLUS II™ RYB and 3/8" x 45° | 3/8" | 1/4" | Red/Blue | psi | |
| 46043 | Manifold with 60" PLUS II™ compact ball valve RYB and 3/8" x 45° | 3/8" | 1/4" | Red/Blue | psi | |
| 46048 | Manifold with 72" PLUS II™ RYB and 3/8" x 45° | 3/8" | 1/4" | Liquid | psi |  |
| NEW! 46014 | Manifold only A2L | 3/8" | 1/4" | Red/Blue | psi | |
| NEW! 46015 | Manifold with 60" PLUS II™ 1/4" RYB comp. ball valve & 3/8" Y A2L | 3/8" | 1/4" | Red/Blue | psi | |
| UPC# | Description - °C | Vacuum port | Hi/Lo charge | Gauges | Scale | Refrigerant |
| NEW! 46004 | Manifold only | 3/8" | 1/4" | Red/Blue | MPa/psi | R-449A/452A/513A |
| 46180 | Manifold only | 3/8" | 1/4" | Red/Blue | bar/psi | R-12/22/502 |
| 46130 | Manifold only | 3/8" | 1/4" | Red/Blue | bar/MPa | R-134/404A/407C |
| 46190 | Manifold only | 3/8" | 1/4" | Red/Blue | bar/psi | R-134/404A/407C |
| 46140 | Manifold only | 3/8" | 1/4" | Red/Blue | bar/psi | R-22/134A/404A |
| BRUTE II® 4-Valve Commercial | | | | | | |
| UPC# | Description - °F/°C | Vacuum port | Hi/Lo charge | Gauges | Scale | Refrigerant |
| 46081 | Manifold only | 1/2" | 3/8" | Liquid | bar/psi | R-22 |
| 46084 | Manifold with 3 at 3/8" x 60" heavy duty - Straight x 45° and 1 at 1/2" x 60" heavy duty - Straight x Straight | 1/2" | 3/8" | Liquid | bar/psi | |
| UPC# | Description - °F | Vacuum port | Hi/Lo charge | Gauges | Scale | Refrigerant |
| 46090 | Manifold only | 3/8" | 3/8" | Red/Blue | psi | R-22/134A/404A |
| 46091 | Manifold only | 1/2" | 3/8" | Liquid | psi | |
| 46092 | Manifold with 4 at 3/8" x 60" heavy duty - Straight x 45° | 3/8" | 3/8" | Red/Blue | psi | |
| 46094 | Manifold with 3 at 3/8" x 60" heavy duty - Straight x 45° and 1 at 1/2" x 60" heavy duty - Straight x Straight | 1/2" | 3/8" | Liquid | psi | |



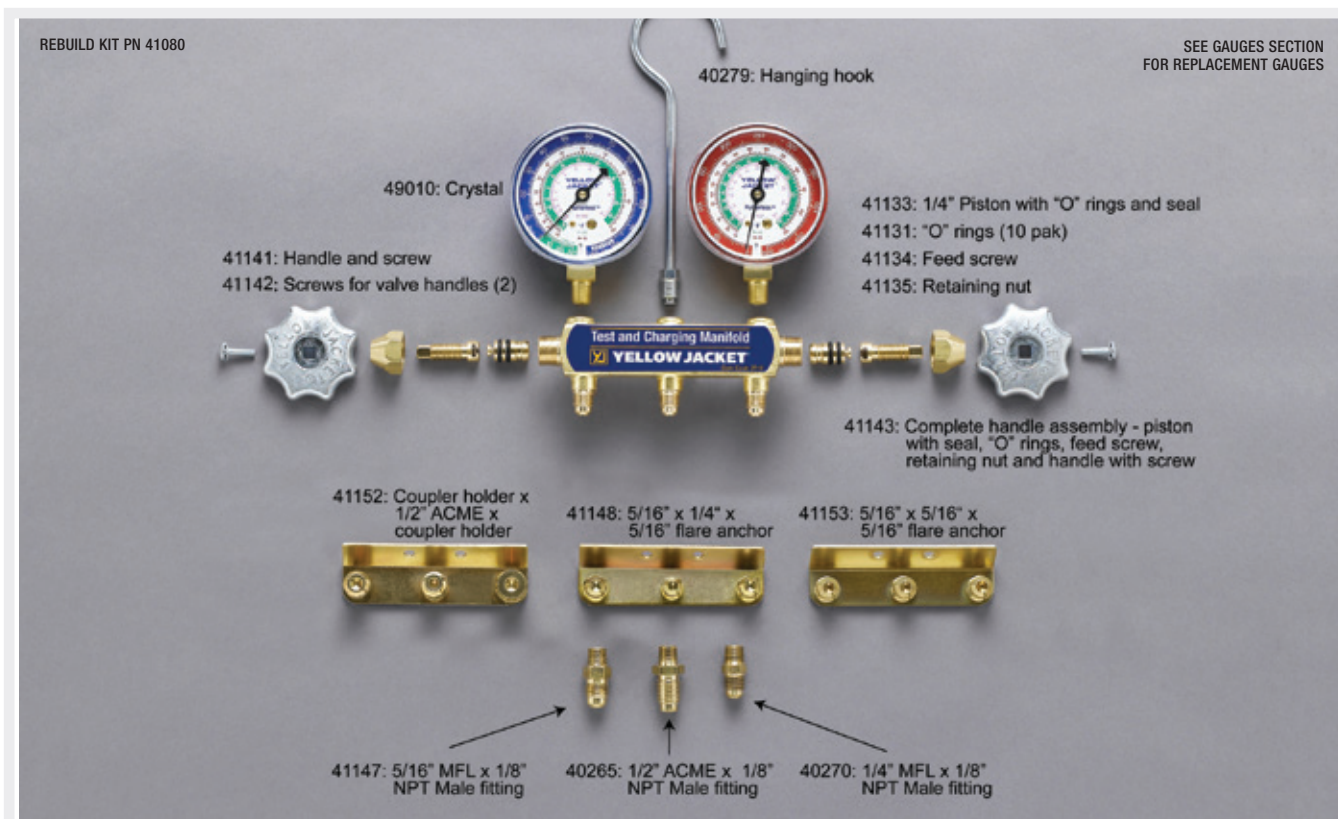
* Manifold comes standard with certified gauges. For more information on the certification of 3-1/8" gauges, see Gauges section.

For replacement parts, refer to the manual (also available at yellowjacket.com)

BRUTE II® MANIFOLD REPLACEMENT PARTS



SERIES 41 MANIFOLD REPLACEMENT PARTS




SERIES 41 MANIFOLDS

°F and °C with 2-1/2" (63.5 mm) gauges



Forged body is solid brass for durability. Full porting maximizes capacity. Metal valve handles are full size for easy operation. Hose anchors are forged into back of body at 45°.

- Flutterless™ technology means surge protector and silicone dampened movement helps minimize needle pulsation for easier, more accurate readings
- Sliding double "O" ring pistons reduces wear
- Most manifolds include color-coded YELLOW JACKET® charging hoses
- Easy-to-read 2-1/2" (63.5 mm) steel case gauges with 3-2-3% accuracy (Class B)
- Limited lifetime warranty on manifold bar and valves – not gauges. See warranty information for details
- Made in the USA 



Series 41 Manifolds

| UPC# | Description - °F and °C - Red/Blue | Scale | Refrigerant |
|--------|--|------------|------------------|
| 42051 | Heat pump manifold only, 1/4-5/16-1/4" | bar/psi | R-410A |
| 42054 | With 60" black PLUS II™ hoses (two 1/4x5/16" ball valve and one 1/4x1/4" ball valve) | bar/psi | |
| 41712 | Manifold only | kg/cm²/psi | R-410A |
| 41703 | With 60" PLUS II™ FLEXFLOW™ hoses | kg/cm²/psi | |
| 41709 | With 60" PLUS II™ standard fittings | kg/cm²/psi | |
| 41715* | With 60" PLUS II™ standard fittings | kg/cm²/psi | |
| 41710 | With 60" PLUS II™ heavy duty black standard fittings | kg/cm²/psi | |
| 41702 | With 60" PLUS II™ heavy duty black compact ball valve fittings | kg/cm²/psi | |
| 42715 | With 60" PLUS II™ compact ball valve fittings | kg/cm²/psi | R-32/410A |
| 41711* | With 60" PLUS II™ compact ball valve fittings | kg/cm²/psi | |
| 41652 | Manifold only with 5/16, 1/4", 5/16" hose fittings | bar/psi | |
| UPC# | Description - °F - Red/Blue | Scale | Refrigerant |
| 41212 | Manifold only | psi | R-12/22/502 |
| 41213 | With 36" PLUS II™ standard fittings | psi | |
| 41220 | With 48" PLUS II™ standard fittings | psi | |
| 41215 | With 60" PLUS II™ standard fittings | psi | |
| 41219 | With 72" PLUS II™ standard fittings | psi | |
| 44213 | With 36" PLUS II™ SealRight fittings | psi | |
| 44220 | With 48" PLUS II™ SealRight fittings | psi | |
| 44215 | With 60" PLUS II™ SealRight fittings | psi | |
| 44219 | With 72" PLUS II™ SealRight fittings | psi | R-134a/404A/507 |
| 42215 | With 60" PLUS II™ compact ball valve fittings | psi | |
| 42219 | With 72" PLUS II™ compact ball valve fittings | psi | |
| 41312 | Manifold only | psi | |
| 41313 | With 36" PLUS II™ standard fittings | psi | |
| 41311 | With 48" PLUS II™ standard fittings | psi | |
| 41315 | With 60" PLUS II™ standard fittings | psi | |
| 41319 | With 72" PLUS II™ standard fittings | psi | |
| 43313 | With 36" PLUS II™ standard fittings | psi | R-22/134a/404A |
| 44313 | With 36" PLUS II™ SealRight fittings | psi | |
| 44315 | With 60" PLUS II™ SealRight fittings | psi | |
| 44319 | With 72" PLUS II™ SealRight fittings | psi | |
| 42315 | With 60" PLUS II™ compact ball valve fittings | psi | |
| 41202 | Manifold only | psi | |
| 41209 | With 36" PLUS II™ standard fittings | psi | |
| 41211 | With 60" PLUS II™ standard fittings | psi | |
| UPC# | Description - °C - Red/Blue | Scale | Refrigerant |
| 41292 | Manifold only | kg/cm²/psi | R-12/22/502 |
| 41293 | With 36" PLUS II™ standard fittings | kg/cm²/psi | |
| 41295 | With 60" PLUS II™ standard fittings | kg/cm²/psi | |
| 41299 | With 72" PLUS II™ standard fittings | kg/cm²/psi | |
| 41382 | Manifold only | bar/psi | R-134a/404A/507 |
| 41353 | Manifold with 36" PLUS II™ standard fittings | bar/psi | |
| 41355 | Manifold with 60" PLUS II™ standard fittings | bar/psi | |
| 43355 | Manifold with 60" PLUS II™ standard fittings | bar/psi | |
| 41392 | Manifold only | kg/cm²/psi | |
| 41363 | Manifold with 36" PLUS II™ standard fittings | kg/cm²/psi | |
| 41365 | Manifold with 60" PLUS II™ standard fittings | kg/cm²/psi | R-134a/404A/407C |
| 43365 | Manifold with 60" PLUS II™ standard fittings | kg/cm²/psi | |
| 41332 | Manifold only | bar/psi | R-410A |
| 40944 | Manifold only with 1/4" ports and 5/16" hose fittings | bar/MPa | |
| 41781 | Manifold only with 5/16" fittings | bar/MPa | |
| 41780 | Manifold only with 1/4" fittings | bar/MPa | |

*Special R-410A hose - R/B hoses are 1/4" x 45° 5/16" end; Y hose is 1/4" x 45° 1/4" end.


For replacement parts, refer to the manual (also available at yellowjacket.com)


SERIES 41 MANIFOLDS

°F and °C with 3-1/8" (80 mm) gauges



Series 41 manifolds are also available with larger, easier to read 3-1/8" color-coded gauges in rugged steel cases with polycarbonate crystals. These gauges feature 1% accuracy (Class 1) for an exact reading in critical charge systems.

- Color-coded scales
- Sliding double "O" ring pistons reduce wear
- Long life nylon seats
- Forged brass body for durability
- Full porting maximizes capacity and flow
- Some models include color-coded, 60" PLUS II™ hoses with standard 1/4" flare fittings
- Hose assemblies UL recognized for 4000 psi (275 bar) burst and 800 psi (55 bar) working pressure. File# SA9737
- Made in the USA 

| Box | Clamshell | | | |
|-------|-----------|--|---------|---|
| UPC# | UPC# | Description - °F/°C | Scale | Refrigerant |
| 41863 | — | Manifold only with 5/16"-1/4"-5/16" anchor fittings and 1/4" service fittings - red/blue gauge | kPa/psi | R-32/410A  |
| 41652 | — | Manifold only with 5/16", 1/4", 5/16" anchor and 1/4" service fittings | bar/psi | |
| 41659 | — | Manifold only with 5/16" anchor fittings | bar/psi | |
| — | 42021 | Manifold only | bar/psi | |
| — | 42024 | Manifold with 60" PLUS II™ standard fittings | bar/psi | |
| 41862 | — | Manifold only with 5/16" anchor and service fittings | kPa/psi | |
| — | 41865 | 41862 with 60" PLUS II™ 5/16" fittings | kPa/psi | |
| UPC# | UPC# | Description - °F - Red/Blue | Scale | Refrigerant |
| — | 41842 | Manifold only | psi | R-12/22/134a |
| — | 42007 | Manifold with 60" PLUS II™ standard fittings | psi | |
| — | 41846 | Manifold with 72" PLUS II™ with couplers | psi | |
| — | 42001 | Manifold only | psi | R-22/404A/410A |
| — | 49271* | Certified 42001 manifold | psi | |
| — | 42004 | Manifold with 60" PLUS II™ standard fittings | psi | |
| — | 42201 | With 60" PLUS II™ compact ball valve fittings | psi | |
| — | 42005 | Manifold only | psi | R-22/134a/404A |
| — | 49272* | Certified 42005 manifold | psi | |
| — | 42006 | Manifold with 60" PLUS II™ standard fittings | psi | |
| — | 42205 | With 60" PLUS II™ compact ball valve fittings | psi | |
| — | 42035 | Manifold only A2L | psi | R-32/454B/410A  |
| — | 42036 | With 60" PLUS II™ 1/4" Hoses 3-Pak RYB A2L | psi | |
| UPC# | UPC# | Description - °C - Red/Blue | Scale | Refrigerant |
| — | 41622 | Manifold only | bar/psi | R-22/134a/404A |
| — | 41852 | Manifold only | kPa/psi | |
| — | 41855 | Manifold with 60" PLUS II™ standard fittings | kPa/psi | |
| — | 41632 | Manifold only | bar/psi | R-12/134a/413A |
| — | 42031 | Manifold only | psi | R-22/404A/410A |
| — | 42034 | With 60" PLUS II™ hose, standard fittings | psi | |
| — | 41866 | Manifold only | bar/psi | R600A/600/290 |
| 41784 | — | Manifold only with 5/16" fittings | MPa | R-32/410A |



* Manifold comes standard with certified gauges.


For more information on the certification of 3-1/8" gauges, see Gauges section.

SERIES 41 DELUXE MANIFOLDS

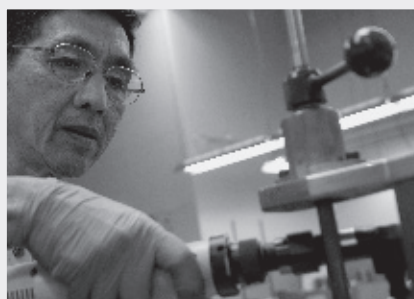
°F Class 1 (1% accuracy) brass gauges



All the same features as the regular "Series 41" with 1% accuracy (Class 1) brass gauges

- Upgraded movement with phosphor bronze plates, brass gears and pinions. Dissimilar parts create less friction and last longer. FlutterLess™ technology included
- Polished solid brass case
- Full view crystals
- Made in the USA 

| UPC# | Description | Scale | Refrigerant |
|-------|---|-------|----------------|
| 44235 | With 60" PLUS II™ SealRight™ fittings | psi | R-12/22/502 |
| 42332 | Manifold only | psi | R-22/134a/404A |
| 42333 | With 36" PLUS II™ standard fittings | psi | |
| 42436 | With 60" PLUS II™ compact ball valve fittings | psi | |
| 42435 | With 60" PLUS II™ standard fittings | psi | |
| 42435 | With 60" PLUS II™ standard fittings | psi | |



SERIES 41 DIGITAL MANIFOLDS

°F and °C with 3 1/8" backlit LCD gauges



When clear, swift and accurate readings meet quality and precision measurements.

The YELLOW JACKET® Series 41 Digital Manifold combines the advantages of digital technology with the proven Series 41 2-valve brass manifold. The 3-1/8" backlit LCD gauges provide easy-to-read accurate measurements for system pressures. Each interchangeable gauge is capable of handling maximum pressures of 800 psi, so there are no worries about over-pressurizing. Pre-programmed with 21 most common refrigerants, the Series 41 Digital Manifold will provide clear, swift and accurate pressure measurements for all your system applications.

The forged body of the manifold is constructed of solid brass for durability. Full porting maximizes capacity, and the metal valve handles are full size for easy operation. For added security, the hose anchors are forged into the back of body at 45°.

Gauge Specifications:

- Pressure Range: -14.7 ~ 800 psi (-1 ~ 54.4 bar)
- Unit (Pressure): psi / bar / MPa / kg/cm2 / kPa
- Working Temperature: 14°F ~ 140°F (-10°F ~ 60°F)
- Pressure Accuracy: ±0.5% F.S. @71.6~82.4°F (@22~28°F)
- Unit (Temperature): °F/°C
- Working Humidity: 35~85%
- Sampling Rate = 1.2 sec max.
- Auto-off: 10 minutes
- Zero pressure function
- Power Supply: Battery CR123A (3.0V, 1400mAh)
- Battery Life: 2 years for continuous operation without backlight
- Warranty: One year

Refrigerants:

R-22, R-23, R-32, R-124, R-134A, R-290, R-404A, R-407C, R-407F, R-408A, R-410A, R-417A, R-427A, R-444B, R-448A, R-449A, R-452A, R-507, R-600, R-1234YF, R1270

Manifold Specifications:

- Forged brass body for durability
- Sliding double "O" ring pistons reduce wear
- Long life nylon seats
- Full porting maximizes capacity and flow
- Hose assemblies UL recognized for 4000 psi (275 bar) burst and 800 psi (55 bar) working pressure. File# SA9737
- Assembled in the USA

| UPC# | Description |
|-------|---|
| 46060 | Series 41 Digital Manifold A2L |
| 46062 | Series 41 Digital Manifold with 3-pack PLUS II™ hoses with compact ball valves A2L |
| UPC# | Replacement Parts |
| 49017 | Replacement gauge |

NH₃ AMMONIA MANIFOLD

| UPC # | Description |
|-------|--|
| 40190 | Manifold body with valves |
| 40192 | Manifold and gauges |
| 40193 | Manifold and gauges with three NHA 48" hoses |
| 40194 | 3/8" Ammonia manifold |
| 40195 | 3/8" Ammonia manifold with NBC-48" hoses |
| 40196 | 3/8" Ammonia manifold with NBC-72" hoses |
| 40199 | Replacement valve assembly |
| 41131 | "O"-rings (10 pak) |
| 41142 | Replacement screw |
| 41151 | Hose anchor |

This heavy duty manifold features cast iron body and full size metal handles. Dual temperature/pressure R717 gauge has bar with °C and psi with °F ammonia scales.


- Finger-tight one-piece valve stem for positive seal on nylon seat
- Easy, accurate valve adjustment
- Use only with NH₃ rated hoses
- Made in the USA



HEAT PUMP MANIFOLDS



The YELLOW JACKET® Heat Pump Manifold features two 800 psi gauges to read all heat pump pressure conditions. Traditional lo-side manifold gauges can be susceptible to damage when heat pumps go into heating mode. Because the lo-side gauge of the YELLOW JACKET Heat Pump Manifold is also designed for pressures up to 800 psi, it can read the pressure whether the pump is in heating mode, cooling mode or transition.

- Large 3-1/8" gauges feature black steel cases with polycarbonate crystal
- Hi- and lo-side gauges read up to 800 psi
- Larger dials are bold and easy to read
- Dials with 1% accuracy (Class 1) full scale movement provide the level of accuracy necessary for critical charge systems
- Proven sliding double "O" ring pistons reduce wear
- Long life nylon seats
- Forged brass body for durability
- Full porting maximizes capacity and flow
- Full-size metal valve handles for easy operation
- Hose assemblies UL recognized for 4000 psi (275 bar) burst and 800 psi (55 bar) working pressure (File # SA9737)
- Made in the USA 

| UPC# | Description | Hoses | Hose holder fittings | Refrigerants |
|-------|-----------------------------|--|----------------------|----------------------------|
| 42041 | Heat pump manifold | None | 1/4-1/4-1/4" | R-22/ R-407C/ R-410A |
| 42044 | Heat pump manifold | (3) 60" black PLUS II™ 1/4" hoses | 1/4-1/4-1/4" | |
| 49133 | High side replacement gauge | 800 psi, °F | – | |
| 49134 | Low side replacement gauge | 800 psi, °F | – | |
| 42052 | Heat pump manifold | None | 1/4-1/4-1/4" | R-410A |
| 42055 | Heat pump manifold | (3) 60" black PLUS II™ 1/4" ball valve hoses | 1/4-1/4-1/4" | |
| 42051 | Heat pump manifold | None | 5/16-1/4-5/16" | |
| 42054 | Heat pump manifold | 60" black PLUS II™ 1/4" ball valve hoses; (2) 5/16" on service end (1) 1/4" on service end | 5/16-1/4-5/16" | |
| 49971 | Heat Pump Manifold | Manifold only | 5/16-3/8-1/4-5/16" | |
| 49141 | High side replacement gauge | 800 psi (55 bar), °C and °F | – | |
| 49142 | Low side replacement gauge | 800 psi (55 bar), °C and °F | – | |



MANIFOLD BACKPACK KITS



MADE IN THE USA (BACKPACK MADE IN CHINA)

The **YELLOW JACKET®** Manifold Backpack Kits pair popular TITAN® and Series 41 Manifolds with PLUS II™ Charging Hoses in a rugged backpack for hands-free, grab-and-go convenience.

There is plenty of room to add additional tools needed for all your A/C installation and tune up needs. Select the Manifold Kits specific to the refrigerants you are working with.

INTERNATIONAL MANIFOLD BACKPACK KITS



4V TITAN® R-32/410A Manifold Kit NOR EU (P/N 49940)

- TITAN® 4-Valve Manifold, 80mm Gauges, bar/psi, °F °C
- PLUS II™ 1/4" Hoses 60" RB 1/4" x 5/16", Y 1/4" Compact Ball Valve
- Yellow B-72 Charging / Evacuation Hose 3/8" x 3/8"



4V TITAN® R-448A/449A/452A Manifold Kit (P/N 49942)

- TITAN® 4-Valve Manifold, 80mm Gauges, bar/psi, °C
- PLUS II™ 1/4" Charging Hose 72" 3-Pak RYB, Standard 1/4" Fittings
- Yellow B-72 Charging / Evacuation Hose 3/8" x 3/8"



Series 41 Heat Pump R-32/410A Manifold Kit (P/N 42056)

- Series 41 2-Valve Heat Pump Manifold, 80mm Gauges, EU, °F °C
- PLUS II™ 1/4" Hoses 60" RB 1/4" x 5/16", Y 1/4" Compact Ball Valve



4V TITAN® R-134A/404A/407C Manifold Kit (P/N 49941)

- TITAN® 4-Valve Manifold, 80mm Gauges, bar/psi, °C
- PLUS II™ 1/4" Charging Hose 72" 3-Pak RYB, Standard 1/4" Fittings
- Yellow B-72 Charging / Evacuation Hose 3/8" x 3/8"



4V TITAN® Pressure Test Manifold Kit (P/N 49943)

- TITAN® 4-Valve Pressure Test Manifold, 80mm Gauges, bar/psi
- PLUS II™ 1/4" Charging Hose 72" 3-Pak RYB, Standard 1/4" Fittings
- Yellow B-72 Charging / Evacuation Hose 3/8" x 3/8"



Series 41 R-32/410A Manifold Kit (P/N 41653)

- Series 41 2-Valve Manifold, 80mm Gauges, EU, °F °C
- PLUS II™ 1/4" Hoses 60" RB 1/4" x 5/16", Y 1/4" Compact Ball Valve

1. CHARGING SYSTEMS

2. GAUGES

3. RECOVERY MACHINES

4. VACUUM PUMP SYSTEMS

5. VACUUM AND CHARGING HOSES

6. HOSE ADAPTERS, VALVES & PARTS

7. WIRELESS AND ELECTRONIC INSTRUMENTS

8. LEAK DETECTORS AND MONITORS

9. HEATING INSTRUMENTS

10. SYSTEM TOOLS

LIQUID CHARGER



Liquid charging is recommended when charging blends into refrigeration and air conditioning systems, and a liquid charger adapter is necessary for safe and fast liquid charging through the low pressure side of a system.

- The adapter connects to the cylinder valve or refrigerant can
- To protect the compressor, adapter orifice reduces liquid flow to a level below compressor capacity
- Eliminates the time and work of heating cylinders



| UPC# | Description |
|-------|-------------------------------|
| 41123 | 1/4" Liquid charging adapter |
| 41124 | 5/16" Liquid charging adapter |
| 41132 | 1/4" "O" ring and orifice |
| 41138 | 5/16" "O" ring and orifice |

"O" RING LUBRICANT

To lubricate "O" rings in manifolds when pistons or "O" rings are being replaced. Use sparingly.



| UPC# | Description |
|-------|-------------------------------|
| 41118 | "O" ring lubricant (0.75 oz.) |

MANIFOLD PARTS KIT For Series 41, TITAN™, and BRUTE II™ Manifolds



| UPC# | Description |
|-----------------------|--|
| 41099 | Complete kit |
| 41105 | Box only with label |
| Kit contents/quantity | |
| 41041 | Yellow handle with screw - TITAN (4) |
| 41042 | Blue handle with screw - TITAN (3) |
| 41044 | Red handle with screw - TITAN (3) |
| 41048 | Handle screws (2) - Series 41/TITAN/BRUTE II (6 sets) |
| 41061 | Sight glass (1), retainer (1), gaskets (2) - BRUTE II/TITAN (4 sets) |
| 41090 | Handle screws (2) - Older style BRUTE (6 sets) |
| 41091 | Yellow handle with screw - BRUTE II (4) |
| 41092 | Blue handle with screw - BRUTE II (3) |
| 41094 | Red handle with screw - BRUTE II (3) |
| 41096 | Valve retaining nut - BRUTE II (4) |
| 41103 | 3/8" Piston - BRUTE II (8) |
| 41106 | Feed screw - BRUTE II (4) |
| 41134 | Feed screw - Series 41/TITAN (6) |
| 41135 | Valve retaining nut - Series 41/TITAN (6) |
| 41141 | Metal handle with screw - Series 41 (4) |
| 41142 | Handle screws (2) - Series 41/TITAN/BRUTE II (6 sets) |
| 41133 | 1/4" Piston - Series 41/TITAN (6) |

MANIFOLD CARRYING CASES

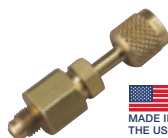


Heavy duty blue blow- molded cases are available in four different manifold/hose configurations. Includes handle and a long life top hinge.



| UPC# | Description |
|-------|---|
| 40263 | Series 41 case - 12 1/4" x 8" x 4 1/4" |
| 40822 | Case for BRUTE™ II and Refrigeration System Analyzer (40815) - 6-1/2" x 17" x 14" |

MANIFOLD PARTICULATE FILTER

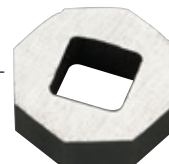


As manifold usage changes with more recovery change outs, more particulate matter is drawn through manifolds. Trap the particles with these fittings before they damage valve seats or pass into your recovery equipment. Replaceable, cleanable screens.

| UPC# | Description |
|-------|-----------------------------------|
| 41119 | 1/4" Manifold particulate filter |
| 41120 | 3/8" Manifold particulate filter |
| 41121 | 1/2" Manifold particulate filter |
| 41122 | Replacement filter screen (5 pak) |

SIGHT GLASS TOOL

Designed to fit into the TITAN and BRUTE II sight-glass retainers, metal insert allows you to remove or tighten the retainer using a 1/4" drive wrench.



| UPC# | Description |
|-------|----------------------------------|
| 41095 | Sight glass tool for TITAN/BRUTE |



SINGLE GAUGE MANIFOLD

- Check pressure on lo-side of system
- Nylon seals and double "O" ring pistons

| UPC# | Description |
|-------|-----------------------------------|
| 40318 | Lo-side manifold R-12/22/502 |
| 40319 | Lo-side manifold R-134a/404A/407C |
| 40320 | Lo-side manifold R-410A |
| 40326 | Lo-side 1/4" valve R-32/410A |
| 40338 | Lo-side manifold R-600A |
| 40339 | Hi-side manifold R-600A/600/290 |
| 40340 | Lo-side manifold R-600A/600/290 |
| 40349 | Low-side manifold R-600a/290 |



SINGLE TEST GAUGES

Quick pressure checks - use lo- or hi-side gauge with quick coupler to attach directly to system or tanks.



| UPC# | Description |
|--|--|
| Gauge with quick coupler and 12" hose - angle coupling | |
| 14811 | 12" Red hose 1/4" Male flare x 45° quick coupler |
| 14821 | 12" Blue hose 1/4" Male flare x 45° quick coupler |
| 19110 | Quick coupler only |
| Gauge with 19110 quick coupler for recovery tank pressure checks | |
| 40331 | Red pressure °F |
| 40332 | Blue compound °F |
| 40341 | Red pressure w/quick coupler & hose |
| 40342 | Blue compound w/quick coupler & hose |
| 19110 | Quick coupler only |
| 40334 | Red pressure °F; 0 - 800 psi; R-22/404A/410A |
| 40335 | Blue compound °F; 0 - 800 psi; R-22/404A/410A |
| 40344 | Red pressure °F; 0 - 800 psi; R-22/404A/410A; with quick coupler and hose |
| 40345 | Blue compound °F; 0 - 800 psi; R-22/404A/410A; with quick coupler and hose |