

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



Replacement parts on page 46.

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

- Front access for easy field recalibration



- 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
- 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	With 72" PLUS II™ RYB and 3/8" x 45°	3/8"	1/4"	Liquid	bar/psi	
46000	Manifold only	3/8"	1/4"	Red/Blue	bar/psi	R-32/410A
46003	With 60" PLUS II™ compact ball valve RYB and 3/8" x 45°	3/8"	1/4"	Red/Blue	bar/psi	
46160	Manifold only with 5/16"-3/8"-1/4"-5/16" anchor and 1/4" service fittings	-	-	Red/Blue	bar/psi	
46170	Manifold only with 5/16"-3/8"-5/16"-5/16" anchor and service fittings	-	-	Red/Blue	bar/psi	
46174	Manifold only with 5/16"-3/8"-1/4"-5/16" anchor and 1/4" service fittings	-	-	Red/Blue	kPa/psi	
46176	Manifold only with 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	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	With 60" PLUS II™ RYB and 3/8" x 45°	3/8"	1/4"	Red/Blue	psi	
46030	Manifold only	3/8"	1/4"	Red/Blue	psi	R-134a/404A/407C
46031	Manifold only	3/8"	1/4"	Liquid	psi	
46032	With 60" PLUS II™ RYB and 3/8" x 45°	3/8"	1/4"	Red/Blue	psi	
46038	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	R-22/134a/404A
46041	Manifold only	3/8"	1/4"	Liquid	psi	
46042	With 60" PLUS II™ RYB and 3/8" x 45°	3/8"	1/4"	Red/Blue	psi	
46043	With 60" PLUS II™ compact ball valve RYB and 3/8" x 45°	3/8"	1/4"	Red/Blue	psi	
46048	With 72" PLUS II™ RYB and 3/8" x 45°	3/8"	1/4"	Liquid	psi	
UPC#	Description - °C	Vacuum port	Hi/Lo charge	Gauges	Scale	
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-134a/404A/407C
46190	Manifold only	3/8"	1/4"	Red/Blue	bar/psi	
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	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	With 4 at 3/8" x 60" heavy duty - Straight x 45°	3/8"	3/8"	Red/Blue	psi	
46094	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 page 51.

RECOVERY MACHINES

VACUUM PUMP SYSTEMS

VACUUM AND CHARGING HOSES, VALVES AND PARTS, HOSE ADAPTERS,

CHARGING SYSTEMS

GAUGES

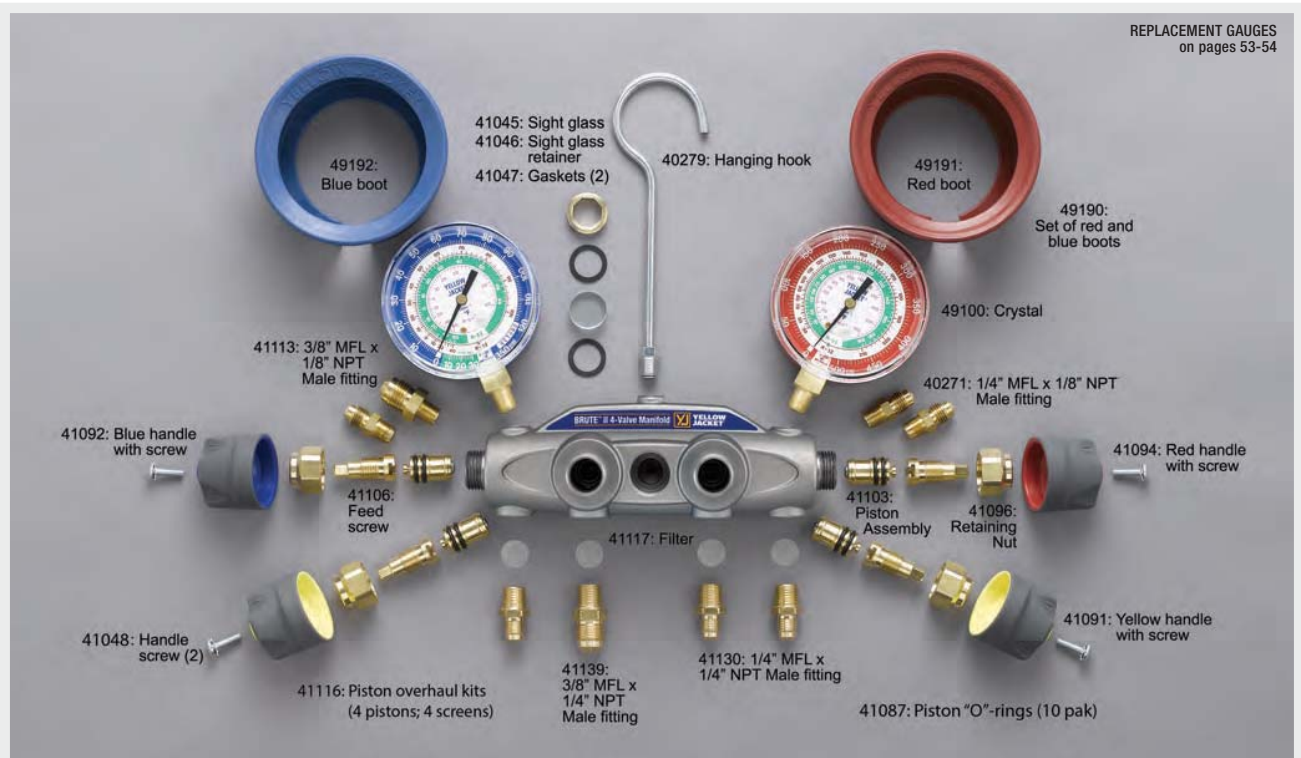
WIRELESS AND ELECTRONIC INSTRUMENTS

HEATING INSTRUMENTS

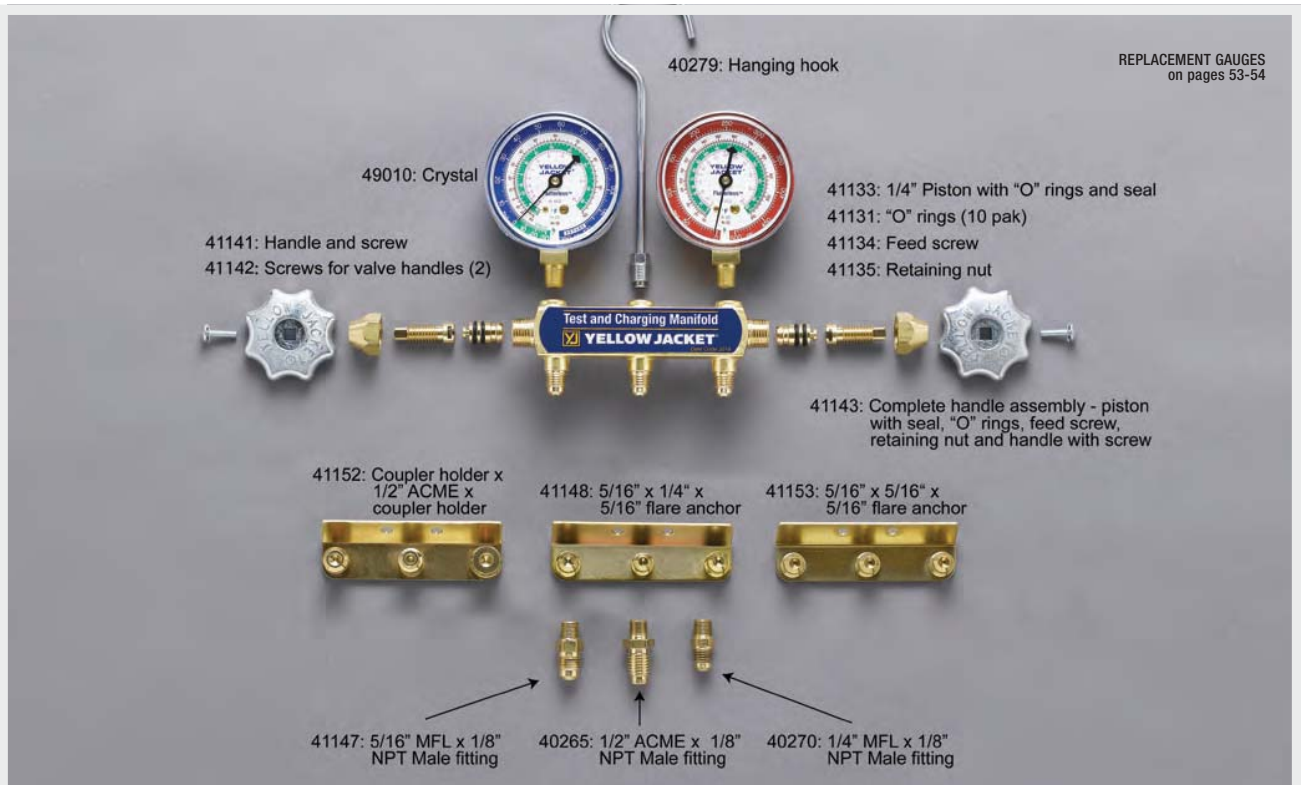
LEAK MONITORS AND DETECTORS

SYSTEM TOOLS

BRUTE II™ MANIFOLD REPLACEMENT PARTS



SERIES 41 MANIFOLD REPLACEMENT PARTS



RECOVERY MACHINES
 VACUUM PUMP SYSTEMS
 VACUUM AND CHARGING HOSES
 HOSE ADAPTERS, VALVES AND PARTS
 CHARGING SYSTEMS
 GAUGES
 WIRELESS AND ELECTRONIC INSTRUMENTS
 HEATING INSTRUMENTS
 LEAK MONITORS AND DETECTORS
 SYSTEM TOOLS