



Tool Catalog

A complete line of quality tools to service your Thermo King equipment.





THERMO KING

TK 5955-8-MS (Rev 20, 1/11)

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Refrigeration

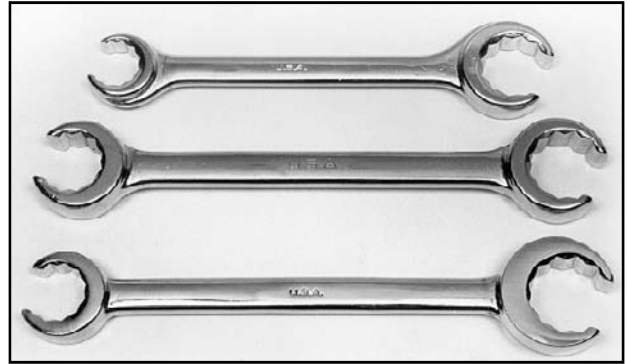
Hand Tools

These wrenches fit the common size of flare nuts used on Thermo King units. The 12 point jaw allows the tool to get into tight hard-to-get places where movement is limited.

204-811 Flare nut wrench 5/8x13/16

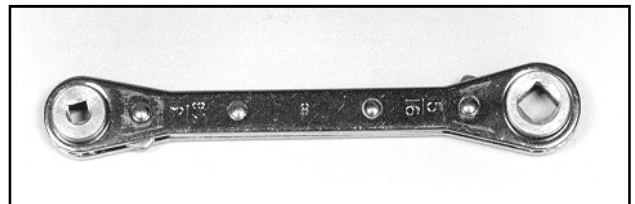
204-101 Flare nut wrench 3/4x1

204-490 Flare nut wrench 15/16x1-1/16



A unique socket design four-way wrench with openings for adjusting four different sizes of square stems: 3/16, 1/4, 5/16 and 3/8 square.

204-487 Wrench - ratchet



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204-178 Adapter - for valves with 3/8 in. square stem

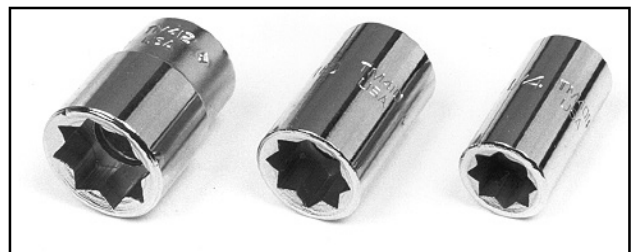


Use these 8 point sockets with tool 204-178 adapter to adapt a mechanic's 1/4" drive ratchet for adjusting refrigeration service valves.

204-189 Socket - 1/4" w/1/4" drive

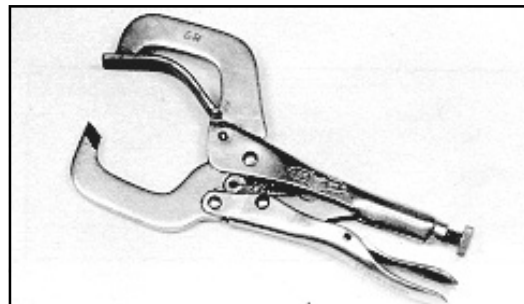
204-190 Socket - 5/16" w/1/4" drive

204-196 Socket - 3/8" w/1/4" drive



Separate the body sections of the 3-way valve without damaging the surfaces (See Refrigeration System Maintenance Manual, TK7515).

204-424 3-way valve gasket breaker

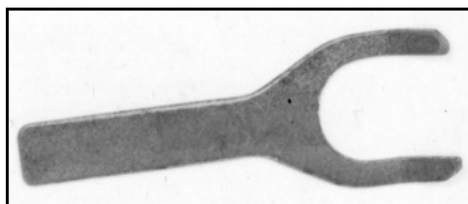




Hand Tools

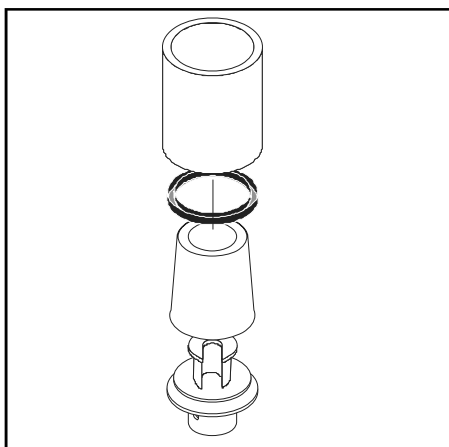
This Thermo King designed tool will manually shift the 3-way valve to cool if the valve becomes stuck on heat position (see Refrigeration System Maintenance Manual. TK5715).

204-425 3-way valve shifter



A special tool designed to disassemble the 3-way valve stem (See Refrigeration system Maintenance manual, TK 7515)

204-313 3-way valve wrench



Use this tool to install new style PTFE caps seal on the 3-way valve piston. To prevent the seal from being stretched and damaged.

204-1008 3-way valve piston seal installer



These hard to find wrenches will remove the 2 or 2- 1/16" hex on the suction valve end of the suction vibrator and the 1-5/8" hex on the accumulator tank end.

204-962 Suction vibrator wrench, 2-1/16"

204-491 Suction vibrator wrench, 2"

204-492 Suction vibrator wrench, 1-5/8"



Hand Tools

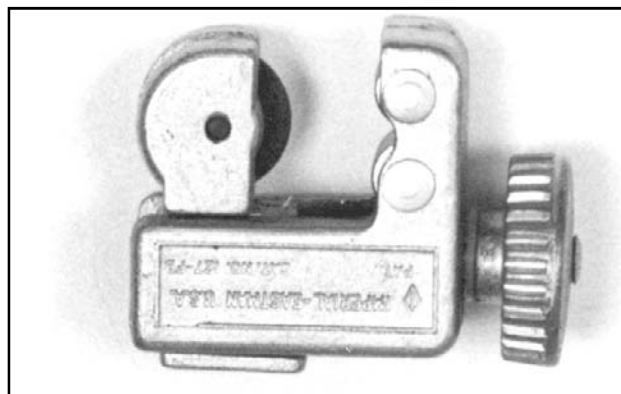
This tube cutter makes 90° cuts in copper refrigeration tubing. A foldaway reamer quickly removes burrs on the inside edge of the tube after cutting.

204-116 Tube cutter



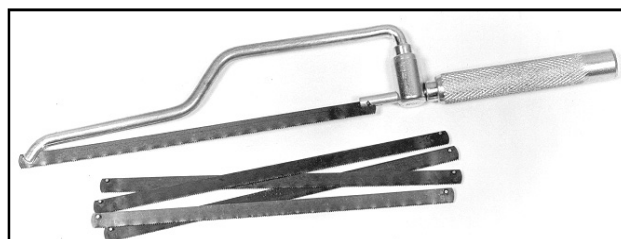
Designed for cutting in tight quarters where other cutters will not fit. Fits tubes 1/8 to 5/8" diameter, and the cutter needs only 1-1/4" swing radius of clearance

204-493 Tube cutter

**R**

Cuts tubing in tight, hard to reach places.

204-469 Saw - tubing



For expanding copper tubing to make sweat fittings. The 3/8" swedge expands a 3/8" tube to receive a 3/8" tube, etc.

204-207 Tool - swedging 1/4"

204-117 Tool - swedging 3/8"

204-118 Tool - swedging 1/2"

204-119 Tool - swedging 5/8"

204-120 Tool - swedging 3/4"





Clean female fittings and swaged tubing before soldering. This must be done to assure a good leak-free solder joint

204-242 Brush - copper tubing, 1/4"

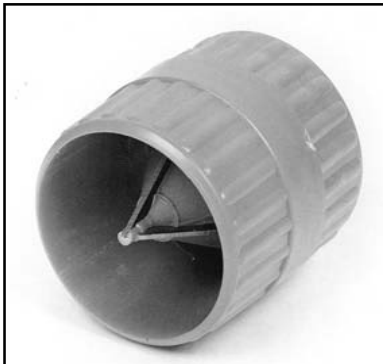
204-109 Brush - copper tubing, 3/8"

204-110 Brush - copper tubing, 1/2"

204-111 Brush - copper tubing, 5/8"

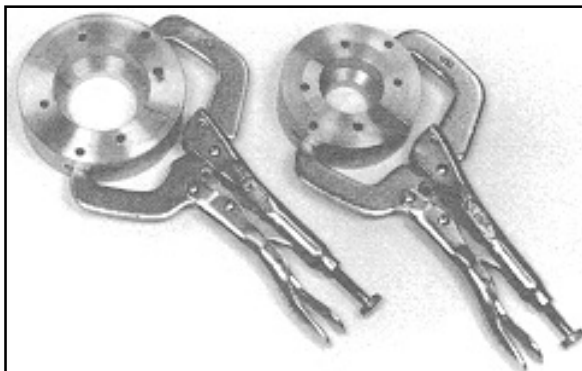
204-112 Brush - copper tubing, 3/4"

204-245 Brush - copper tubing, 1-3/8"



A tool to remove inner and outer burrs before flaring tube. Features a heavy duty housing with steel blades.

204-528 Deburring tool



Install the heat sink on the vibrasorber end fitting before soldering. This will prevent damage to the rubber covering and the vibrasorber.

204-583 Heat sink, suction vibrasorber

204-584 Heat sink, discharge vibrasorber



Hand Tools

Features

| | |
|----------------------|--------------------------|
| Type | Self-Relieving High Flow |
| Body Material | Nickel Plated Zinc |
| Inlet Connection | 1/4" (F)NPT |
| Max. Inlet Pressure | (PSI) 150 |
| Output | 95 psi |
| Max. dBA | 89 |
| Air Consumption | (SCFM) 20 |
| (F)NPT Outlet (In.) | 1/8 |
| Overall Length (In.) | 5-1/8 |
| Extension Size (In.) | 1/2 |
| Nozzle | Self-Relieving High-Flow |
| Nozzle Length (In.) | 1/2 |

**R**

Agency Compliance OSHA Regulations Section 1910.242B for Pressure Relief and 1910.95 for Noise Level

204-950 Blow gun safety type

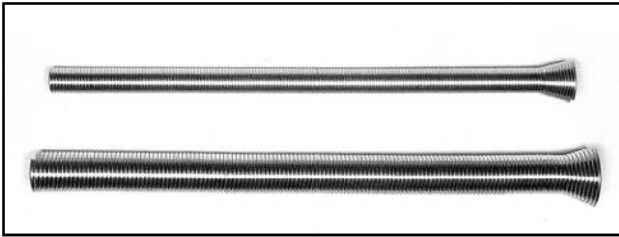
Attach the hot/cold air to a compressor and it will blow hot air out one orifice and cold air out the other. Use it for cycling the thermostat by aiming it at the sensor bulb.

Features

- Maintenance free no moving parts
- Cycle repeatability within $\pm 1^\circ\text{F}$
- Drops inlet temperature by up to 100°F
- Cools without electricity or refrigerants
- Exceptionally reliable, compact & lightweight

204-1180 Vortec tube kit





The spring bender slips over soft copper tubing during bending to help prevent tube collapse. For 5/8 and 3/8 tubes. 12 inch long.

204-816 Spring tube bender - 3/8 inch

204-817 Spring tube bender - 5/8 inch



The soldering and hot air tool is cordless and is refillable with standard butane lighter fuel available at most department and drug stores. It has adjustable temperature control of an electric soldering gun equivalent of 10 to 60 watts.

The kit includes four tools; soldering iron, blow torch, hot air blower and hot knife.

204-753 Butane soldering kit



This lever tube bender makes quick, accurate bends in copper tubes for multi-temperature installation.

204-814 Tube bender - 7/8 inch

204-813 Tube bender - 5/8 inch

204-941 Tube bender - 1/2 inch

204-815 Tube bender - 1/4, 5/16 & 3/8



Removes external snap rings. For use with snap rings 7/16 to 2 inch diameter. Overall length 6-7/8 inches.

204-808 Snap ring pliers

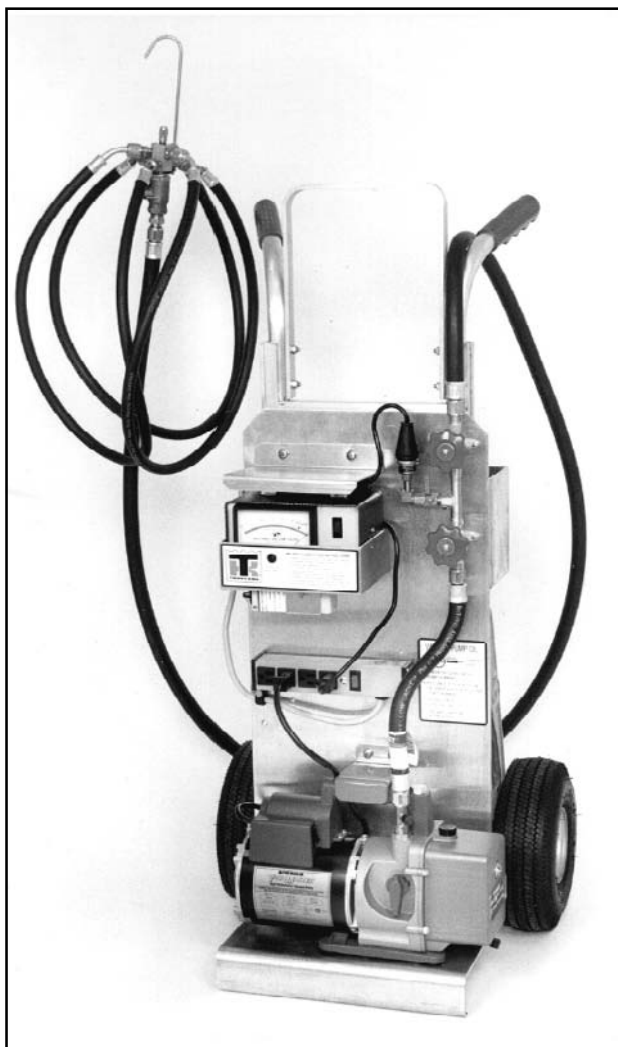


Use this tool on small truck units to remotely energize solenoids. Remove the coil and install the magnet shifting the solenoid.

204-1074 Magnet



R



All evacuation tools are on one easy to maneuver, heavy duty aluminum hand truck with oversize pneumatic tires.

- The station features:
- Two stage 6 CFM pump
- Micron Gauge
- Three point evacuation
- A manifold assembly which allows isolating vacuum from the charging process
- Can isolate the pump to measure the pump pull-down capacity

204-725 Station - evacuation 120V

204-744 Station - evacuation 220V

Replacement parts:

| | | |
|----------|-------------------------|---|
| 204-713 | Pump - vacuum, 120V | 1 |
| 204-699 | Pump - vacuum, 220V | 1 |
| 204-721 | Sensor | 1 |
| 204-735 | Hose - 1/2 x 108" | 1 |
| 204-722 | Standard calibration | 1 |
| 204-720* | Meter - micron 120V | 1 |
| 204-743* | Meter - micron 220V | 1 |
| 204-734 | Hose 3/8 x 48" | 3 |
| 204-732 | Manifold assembly | 1 |
| 204-733 | Valve - ball 1/2" | 1 |
| 204-803 | Hose - 1/2" x 14" | 1 |
| 204-818 | Dual valve assy | 1 |
| 204-819 | Depressor - 1/4" flare | 3 |
| 203-419 | Oil - vacuum pump 1 gal | 1 |
| 204-798 | Outlet strip | 1 |



The Refrigeration System Clean-Up Tool features hoses with O-Ring seal fittings, an adapter which replaces the throttling valve (or the suction valve adapter on units with electronic throttling valves), and a filter/throttling valve assembly.

The Clean-Up Tool can be used to clean systems of all trailer units with 4 cylinder TK compressor, with any style hose connections.

Refer to the included manual for replacement parts.

204-1106 Refrigeration System Clean-Up Tool



Vacuum pump feature:

- 6 cfm (free air displacement)
- 2 stage rotary vane vacuum pump
- 20 micron factory rating
- 1/3 hp, 120/1/60 motor (thermo-protector)
- Gas ballast - eliminates condensation of vapors within the pump
- 1/2 male flare intake fitting
- 13 oz oil capacity

204-713 Vacuum pump 120/1/60

204-699 Vacuum pump 220/1/50

For best results, change the oil after each evacuation (204-713 & 204-699 vacuum pump oil capacity is 13 oz).

203-419 Oil - vacuum pump (1 gal)



Warranty information provided in the Shop Supply section.

R

Test manifold features:

- Solid brass construction for durability
- Maximum capacity design
- Full size metal valve handles
- Teflon valve seats
- Positive O-ring seal on valves
- Quick open 1-1/2 turns for full flow
- Heavy duty hook
- 3-plug hose anchor
- Repairable valves
- Color coded gauges
- Compound pressure gauge range: 30" Hg vac to 350 psig (-100 to 2400 kPa)
- High pressure gauge range: 0 to 500 psi (0-3400 kPa)

204-526 Test manifold

Replacement parts:

204-527 Valve repair kit

204-561 Gauge - high pressure

204-562 Gauge - compound pressure





R134a Tools

Here is a manifold gauge set dedicated for R134a use.

Manifold gauge features:

- Vibration free gauges
- Solid brass forged manifold bar
- Enviro-guard™ hoses with quick connect couplers
- Color coded gauges, hand wheels and hoses

204-758 R134a Manifold gauge set F° scale

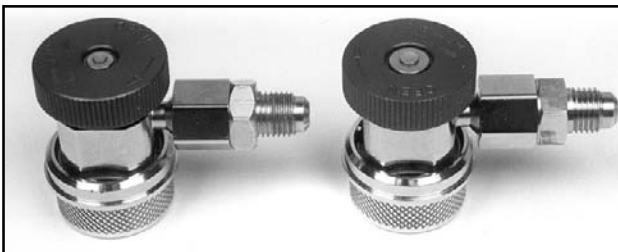
Replacement parts:

- 204-781 Stem seal kit
- 204-782 O-ring (4)
- 204-783 Hand wheel set (2)
- 204-784 Gauge - compound R134a F°
- 204-785 Gauge - pressure R134a F°
- 204-791 Coupler - discharge
- 204-792 Coupler - suction
- 204-797 Connector
- 204-850 Yellow hose 72"
- 204-851 Red hose 72"
- 204-852 Blue hose 72"

R134a Tools

Adapts your manifold gauge set with 1/4 inch flares to fit R134a units with SAE-dimensioned R134a charge and service ports. The coupler features:

- A quick connect/disconnect and actuation for access to systems at working pressures.
- Integral safety sleeve holds coupler securely to service ports.
- Color coded knobs for easy high/low identification



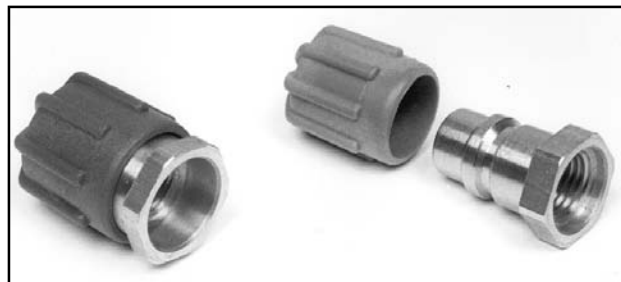
- 204-791 Coupler - discharge, w/red knob
- 204-792 Coupler - suction, w/blue knob

Adapter for retrofitting units with 1/4 inch male flare fitting to 1/2 inch male Acme thread fitting. The adapter features a unique valve depressor which allows the schrader valve in the flare fitting to continue to function. Includes color coded, O-ring sealing cap.

Replacement red cap (66-7182), replacement blue cap (66-7183).

66-7179 Adapter - discharge, (w/valve, red cap)

66-7181 Adapter - suction, (w/valve, blue cap)



Adapters for converting 1/4 inch flare fittings to 1/2 inch male Acme fittings

204-794 Adapter - 1/4 mfl x 1/2 Acme

204-793 Adapter - 1/4 mfl x 1/2 Acme (for permanent applications)



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Refrigeration Couplings

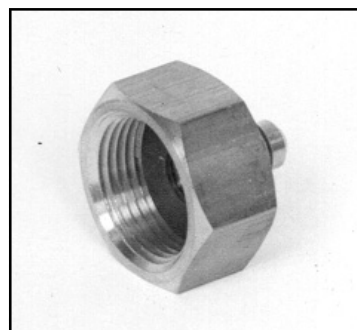
Adapts a 1/4" charging hose to a Schrader valve fitting.

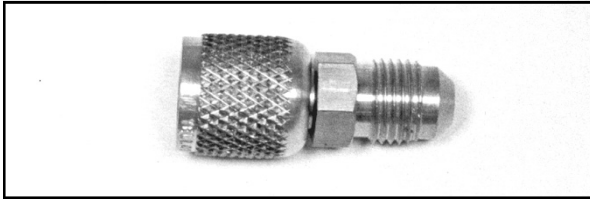
204-679 Adapter fitting



Adapts the 3/4" fpt thread size on the refrigerant drum to a 1/4" charging hose. (Gasket included)

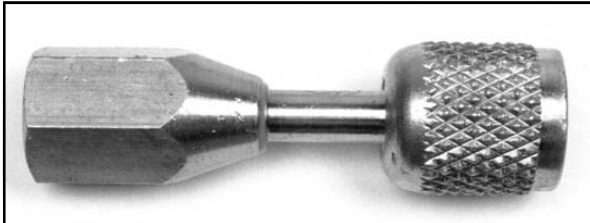
204-169 Adapter - refrigeration drum





Use this adapter to adapt a 1/4" hose to a gauge manifold which has been reworked with coupling 55-5093

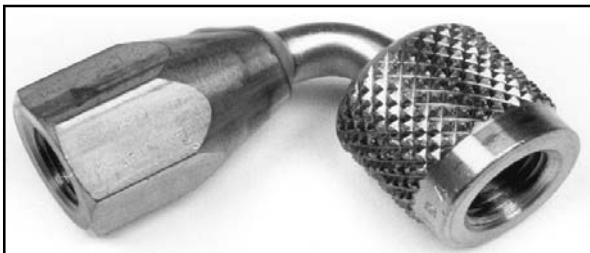
204-538 Adapter



Use to take oil pressure readings from compressor service ports with Schrader valves or to take high pressure readings from the receiver outlet service port. The adapter has a 1/8 female pipe and a 1/4" flare with a Schrader valve depressor.

204-626 Adapter - gauge fitting

204-853 Adapter - gauge fitting 90°



The Quickcoupler fittings automatically and immediately traps refrigerant in the hose when disconnected, helping to meet non-venting regulations and prevents finger burns.

204-827 Quickcoupler 1/4 straight x 1/4 mfl

204-826 Quickcoupler 1/4 45° x 1/4 mfl



This adapter opens out of tolerance Schrader valves. Simply rotate the adjuster with a needle nose pliers to the desired height. When finished, rotate back.

204-819 Schrader valve adjuster



Replacement gasket for charging hoses

33-227 1/4" hose

33-1583 3/8" hose

33-1582 1/2" hose



Refrigeration Hoses

These premium refrigeration services hoses use self-sealing fittings to reduce venting of refrigerant during servicing of refrigeration equipment. Update your current service gauge manifolds with these hoses to comply with the Clean Air Act effective November 15, 1993.

- 204-761 Hose - blue, 6 ft**
- 204-762 Hose - red, 6 ft**
- 204-763 Hose - yellow, 6 ft**
- 204-764 Hose - yellow, 12 ft**
- 204-823 Repair kit - Quick seal end**
- 204-824 Repair kit - std end**

These 1/4" hoses give you the same features as the hoses above plus double protection - a nylon permeation barrier and a moisture barrier. Available with 45° Seal Right (SR) or 45° Quick Coupler (QC) end.

- 204-865 Hose - red 45° QC 48"**
- 204-866 Hose - blue 45° QC 48"**
- 204-867 Hose - yellow 45° QC 12"**
- 204-868 Hose - red 45° SR & QC 48"**
- 204-869 Hose - blue 45° SR & QC 48"**
- 204-870 Hose - yellow 45° SR & QC 12'**

1/2" Evacuation hose features:

- 1/2" id x 108" long
- Heavy duty - 500 psi (10,340 kPa) working pressure
- Recommended for evacuation systems
- Pulls vacuum quicker than smaller hoses
- Will not collapse at deep vacuums

33-1582 Replacement gasket for 1/2" hose

- 204-735 Hose - evacuation, 1/2"**

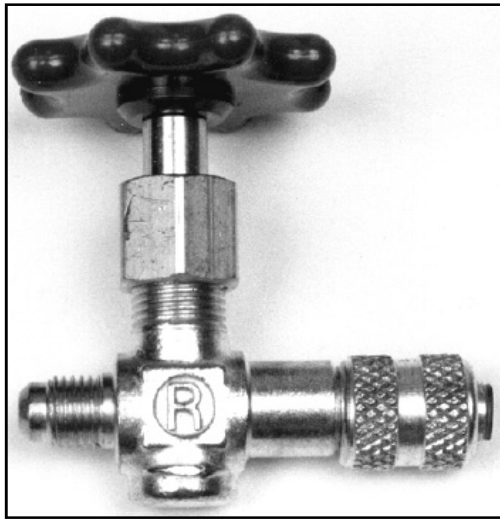
3/8" Evacuation hose features:

- 3/8" id x 48" long
- 1/4 ffl 45° x 3/8 ffl straight
- Recommended for multipoint evacuation

- 204-734 Hose - evacuation, 3/8"**



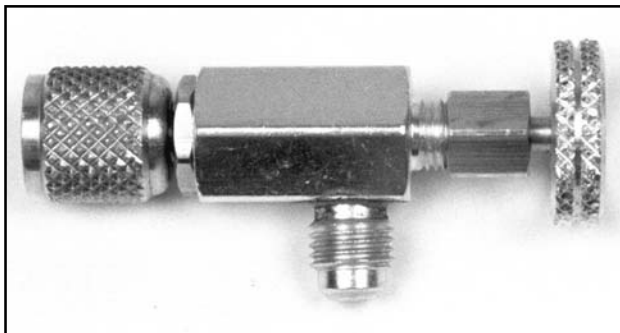
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Hand Valves

This top quality brass valve, with nylon seat and Teflon packing, has a 1/4" female flare quick coupler on one end and a 1/4" male flare fitting, with a valve depressor, on the other. This valve is very useful for evacuation and testing of units that have a receiver tank outlet valve with no back seat position.

204-757 Purge valve



Use this valve to remove refrigerant or refrigerant oil from 1/4" male flare fittings that use Schrader valves.

204-625 Access valve actuator/back seating



Shutoff valve with 1/2 inch flare fittings

204-731 Shutoff valve 1/2 inch



Same manifold as the one used on evacuation station (204-725). Add to your vacuum pump for multi point evacuation along with hoses (204-734) 3/8 x 48" and (204-735) 1/2 x 108".

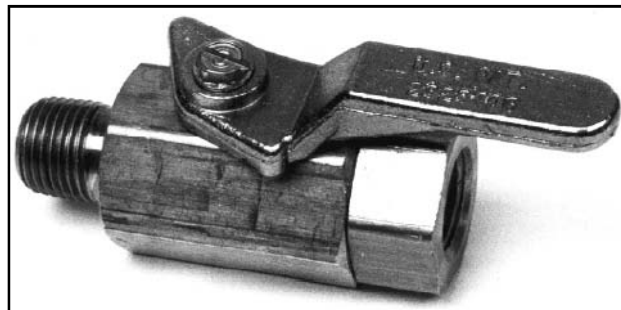
204-732 Manifold assembly



Vacuum/Charging Valves

When building your own vacuum/charging system, these straight flow through valves connect hoses and provide full-flow capacity. No angles for restriction. Handle position shows when the valve is opened, securely closed and anywhere between.

204-802 Ball valve - 1/8"



When building your own vacuum/charging system, these straight flow through valves connect hoses and provide full-flow capacity. No angles for restriction. Handle position shows when the valve is opened, securely closed and anywhere between.

204-733 Ball valve - 1/2"



R

204-620 Hand valve



An easy way to adapt your 1/4" charging hoses. Features a straight flow through valve with a 1/4" mfl and 1/4" ffl quick adapter.

204-862 Adapter hose - 1/4" yellow

204-863 Adapter hose - 1/4" blue

204-864 Adapter hose - 1/4" red





Leak Detectors

This improved leak detector, Model H10G, replaces the Model H10B. This detector is suitable for all refrigerants used in current Thermo King unit production, including HFC systems.

Features include:

- Unique heated diode detector provides excellent sensitivity to both chlorine and fluorine based refrigerants.
- Internal air pump pulls in test air that greatly enhances detection of small leaks while the probe is moving under test.
- Balance control provides calibration adjustment at rated sensitivity.
- Halogens selective technology assures minimum false alarming due to background contamination.
- Includes a calibration reference standard to confirm Calibration and proper unit operation.
- Adjustable sensor control greatly extends sensor life.
- Power: 120 VAC, 60 Hz.

204-712 Leak detector (H10G)

Replacement parts

204-821 Tip probe

204-822 Filter kit

204-828 Calibration reference

204-829 Sensor

204-830 Refill bottle for calibration reference

204-828



204-830



204-829



Accurately measures wind speed. Displays knots, meters per second, kilometers per hour, miles per hour, feet per minute and Beaufort force. Hard slip-on case protects buttons, display and impeller. Waterproof and floats.

204-1029 Pocket Wind Meter



A portable leak detector that is as accurate as a plug-in detector! Its sophisticated technology makes it very rugged and simple to use. No resetting for different refrigerant, just turn it on and enjoy high performance leak detection.

Leak detector features:

- Equal sensitivity to CFCs, HCFC and HFCs
- Audible signal grows stronger as you approach the leak, fainter as you move away
- Yellow LED's light progressively to show leak magnitude
- A pump maintains continual flow through the sensor for rapid leak detection
- Headphone jack for use in noisy environments
- AC power jack for recharging and/or AC operation
- Rechargeable, replaceable NiCad batteries

Warranty information provided in the Shop Supply section.

204-756 Leak detector, 120V

204-1888 Leak detector, 220V

Replacement parts:

- 204-770 NiCad batteries
- 204-768 12V Cigarette lighter adapter
- 204-767 12V Cord w/battery clips
- 204-769 (1)AC/DC adapter - 120V
- 204-779 (2)AC/DC adapter - 220V
- 204-766 Headphones
- 204-771 Sensor
- 204-773 Tip/filter kit
- 204-772 Tip protector
- 204-1013 Tester (R134a gas source)

(1) Included in **204-756**

(2) Included in **204-1888**



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This tester is a R134a gas source used to test leak detector 204-756 and 204-1888 for proper operation. It leaks at approximately 0.5 ounce per year and will last approximately one year.

204-1013 Tester R134a gas source



This is a highly sensitive cordless refrigerant leak detector. This leak detector uses an innovative infrared absorption sensing cell that is extremely sensitive to all refrigerants and only refrigerants.

Features

- Equally sensitive to all refrigerants, including R-22, R134a, R-404a, R-410a, R-507 (AZ-50) and all CFCs, HCFCs and HFCs
- 0.10 oz. (3 gm)/year sensitivity
- 800-Hour infrared cell life
- Infrared cell does not weaken over time therefore response remains consistent and accurate
- Selective to refrigerants only; will not react to smoke, humidity, airflow or temperature changes
- High-efficiency air sampling pump provides quick response and quick clearing ("zeroing")
- On-board diagnostics indicate charging status and warn of low battery or infrared cell failure
- Includes hard plastic case, NiMH power stick, 2V and 120V adapter/recharger, tip filters and infrared cell

204-1888 Leak detector

Noncontact thermometers

One noncontact thermometers are now available from Thermo King. These tools are easy, simple, and safe to use. There is no need to focus or calibrate, and no need for special training. You simply aim, pull the trigger, and read the temperature. No need to touch what you're measuring. The temperature of hazardous, hard to reach, or moving materials, can be taken without getting burned or shocked, and without contamination.



204-1059 Thermometer

- Accurate and reliable
- $\pm 2\%$ of reading
- Range of 0 to 750°F (-18 to 400°C)
- Fahrenheit/Celsius switch
- Backlight LCD
- 9V battery power with low battery indicator



Electronic Thermometer

This contact thermometer offers fast response and laboratory accuracy in a rugged handheld tool.

204-1103 Thermometer

- Large backlit dual display plus MIN, MAX or AVG
- Measures J, K, T and E-type thermocouples
- Real time clock captures the time of day when an event occurs
- $\pm 0.05\%$ of reading
- IR communication port allows data to be exported
- Range of -346 to 2200°F (-210 to 1200°C)
- Fahrenheit/Celsius display
- 3 AA Batteries power with 1000 hour life



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Extension K-Type probe includes 3 meters of thermocouple wire and a pair of male/female mini-connectors. Compatible with thermometer 204-1103 (above).

Maximum continuous exposure temperature: 500°F (260°C)

204-1105 Probe - Extension K-Type



Handy pocket thermometer for quick temperature checks.

204-233 Thermometer (-40 to 160 F)

204-448 Thermometer (-40 to 70 C)





This tool uses an oil-less compressor to reduce the possibility of cross contamination of the refrigerant oil, it will automatically switches between liquid and vapor. The self-clearing loop clears refrigerant from system and tank. It also features built in high pressure gauges for the system and tank.

204-1042 Refrigerant Recover
115V 60 Hz

204-1043 Refrigerant Recover
220-240V 50/60 Hz



204-982 Tank with float switch 30 lbs capacity



204-892 Control float



This tool has been designed to be used for draining and replacing the oil in a compressor and will greatly reduce the time required to change the oil and virtually eliminate messy oil spillage.

Only one connection needs to be made to the compressor for both draining and refilling with oil and does not need to be removed while running the unit between oil changes.

204-750 Compressor oil drain and fill tool

Suction Filter System

When a refrigeration system becomes contaminated from burn-out or problem due to moisture or air in the system, use a suction line filter for clean-up (See Service Bulletin #24, TK 6515).

The basic filter (204-498) includes the filter canister, filter and two tubes for fittings. With the addition of an adapter kit listed below, this filter will virtually fit all Thermo King units.

204-498 Suction line dehydrator (basic kit)

Replacement parts:

| | | |
|---------|----------|---|
| 66-2259 | Canister | 1 |
| 66-2292 | Filter | 1 |
| 66-2594 | Tube | 2 |



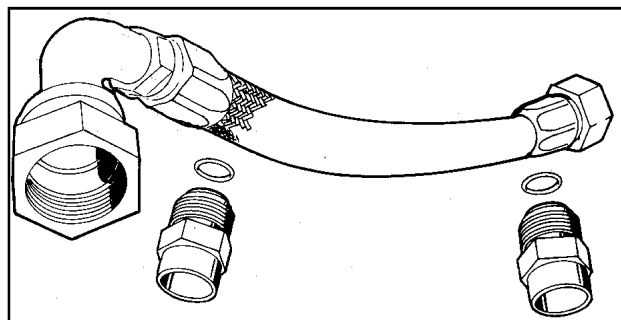
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For NWD, SNWD, XNWD Crown 500, or any other unit using a #20 Aeroquip screw-on type suction vibrasorber (use with 204-498 filter).

204-499 Hose & fittings

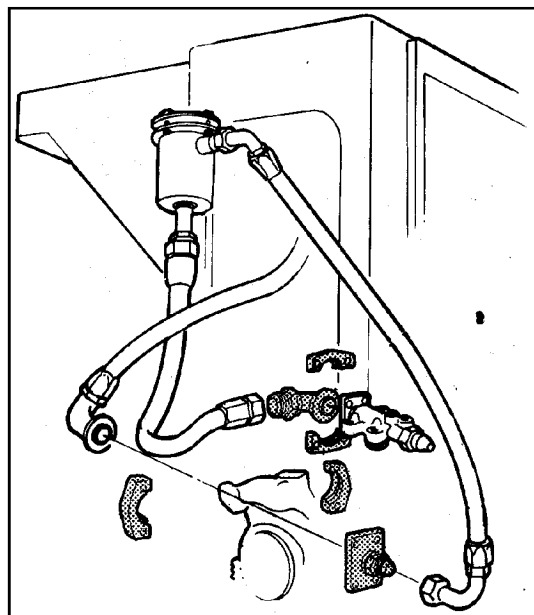
Replacement Parts:

| | | |
|---------|-----------------------------|---|
| 66-4284 | Hose no. 20 | 2 |
| 66-795 | Fitting - 1-3/8 x #20 flare | 2 |
| 33-544 | O-ring | 4 |



Use this adapter set along with dehydrator (204-498) along with hose and fittings set (204-499) on SNWD and SB-I units with flange style suction valves (see Parts Bulletin #617 TK 7535 for more information).

204-539 Adapter set - suction dehydrator



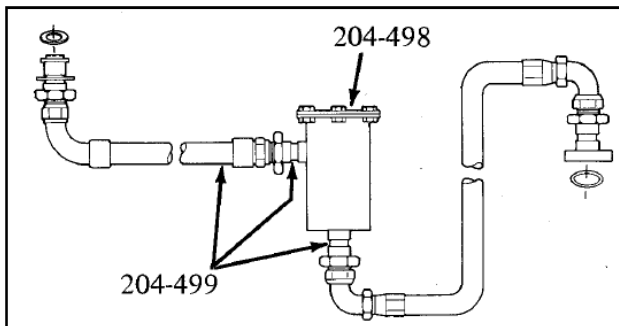
Suction Filter Kits



Use this adapter & hose along with the basic kit (204-498) for CB, TNT & STB with #12 vibrasorber.

204-569 Adapter - #12 x #16 male

66-4127 Hose - #12, compr to adapter



Will fit CWE container units and with minor modification, will fit other units that use Copeland compressor and do not use the Thermo King suction throttling valve. Use with Hose and Fitting Kit (204-499) and basic Kit (204-498).

204-505 Adapter - suction

Replacement parts:

| | | |
|---------|------------------------|----|
| 66-3045 | Hose | 1 |
| 66-3046 | Adapter - bulkhead | 1 |
| 66-3047 | Adapter suction valve | 1 |
| 33-215 | Gasket - suction valve | 10 |
| 33-728 | O-ring bulkhead | 2 |
| 33-544 | O-ring - hose | 4 |



Replacement core for suction filter line. This core contains desiccant and activated alumina. It should not be left in a unit for more than 48 hours

66-2292 Core - dehydrator

66-8775 is a permanent felt filter (see Service bulletin #73, TK 6906 for further information).

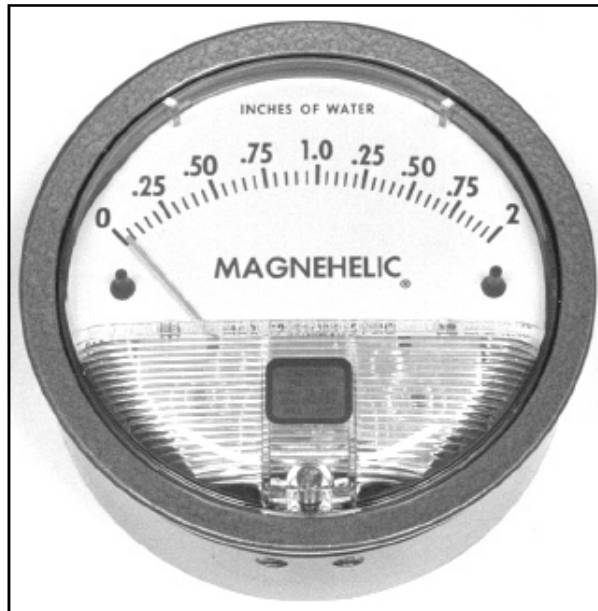
66-8775 Core - filter



Magnehelic Pressure Gauge

Use for testing, calibrating and adjusting the air defrost switch. Measures the pressure differential in inches of water. 0 to 2.0 inches in 0.05 increments range.

204-442 Magnehelic pressure gauge

**R**

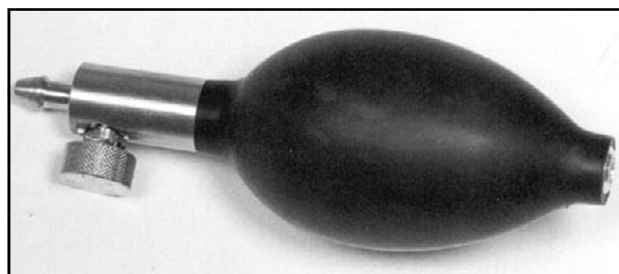
Kit includes a bracket for mounting the magnehelic gauge, 3/16" rubber hose and a syringe for applying pressure to the air switch. Use with magnehelic pressure gauge 204-442.

204-497 Accessory kit for air switches

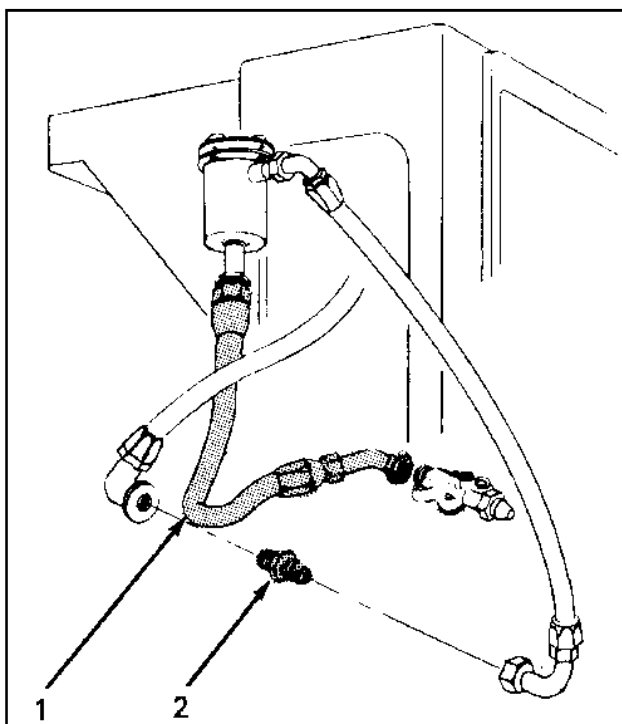
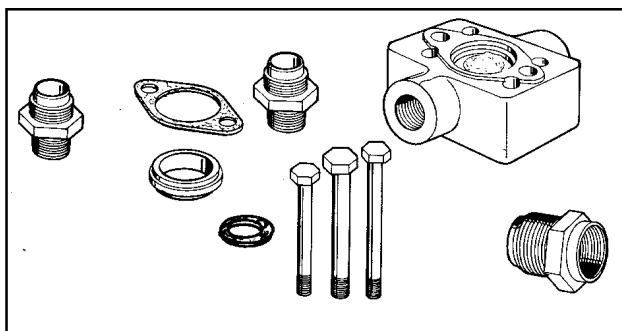


This squeeze bulb applies even air pressure to the defrost switch. It avoids putting the air hose in your mouth to apply pressure. Use with magnehelic pressure gauge 204-442.

204-494 Bulb and Valve



Suction Filter Kits



For units using a Thermo King throttling valve with a soldered-on vibrasorber, use with filter **204-498** and hose **204-499**.

204-500 Adapters and manifold

Replacement parts:

| | | |
|---------|---|----|
| 99-3879 | Adapter - hose to manifold | 2 |
| 99-3880 | Manifold throttling valve | 1 |
| 99-3878 | Ring - manifold to compr | 1 |
| 33-215 | Seal - 4-bolt suction valve to manifold | 10 |
| 33-2548 | Gasket - 2-bolt suction valve to manifold | 10 |
| 55-1735 | Screw - 3/8-16x4-1/4 | 4 |
| 55-3155 | Screw - 3/8-16x4-3/4 | 4 |
| 55-3156 | Screw - 1/2-13x4-1/2 | 2 |
| 55-544 | Screw - 1/4-20x1-1/4 | 2 |

On units that have the suction vibrasorber soldered to the suction service valve, simply unbolt the valve and slip the manifold between the valve and compressor. Before ordering, check the clearance above the suction service valve. The manifold needs 2.0 inches of clearance to fit.

Use this adapter (2) with hose **66-4283** (1) and your present suction line dehydrator for Sentry, SB-I and SB-II unit with O-ring seal suction valve.

This adapter connects the unit suction vibrasorber to the inlet hose on the filter. The hose connects the suction valve to the outlet fitting on the suction filter.

204-577 Adapter



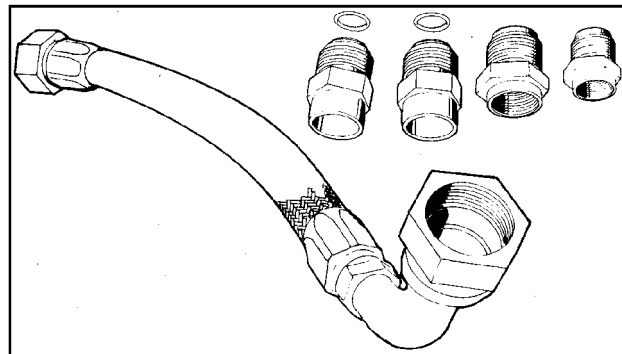
Suction Filter Kits

For units with # 16 vibrasorber: Bus, CB and TNT units, use with filter **204-498**.

204-501 Hose & adapter

Replacement parts:

| | | |
|---------|---|---|
| 66-3108 | Hose - 5 ft | 1 |
| 66-795 | Fitting - 1-3/8 sol x #20 male flare | 2 |
| 66-3106 | Adapter - #16 female flare #20 male flare | 1 |
| 66-3107 | Adapter - #16 male flare #20 female flare | 1 |
| 33-544 | O-ring | 4 |

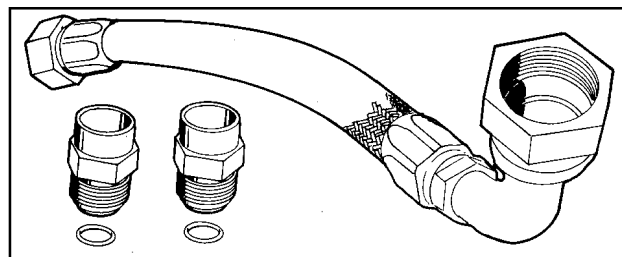


Use on buses with #20 vibrasorber, use with **204-498**.

204-502 Hose & vibrasorber - bus

Replacement parts:

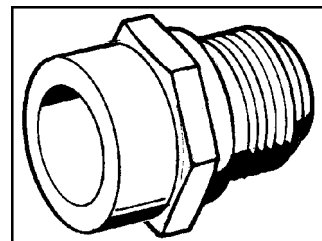
| | | |
|---------|--------------------------------|---|
| 66-3108 | Hose - 5 ft, R-22 compatible | 1 |
| 66-795 | Fitting - 1-3/8 sol x #20 male | 2 |
| 33-544 | O-ring | 4 |



R

For buses with #24 vibrasorber. By soldering these fittings onto the **204-498** filter, the #24 lines will fit onto the filter. Use two fittings to modify filter **204-498**.

204-503 Fitting #24 x 1-3/8 solder

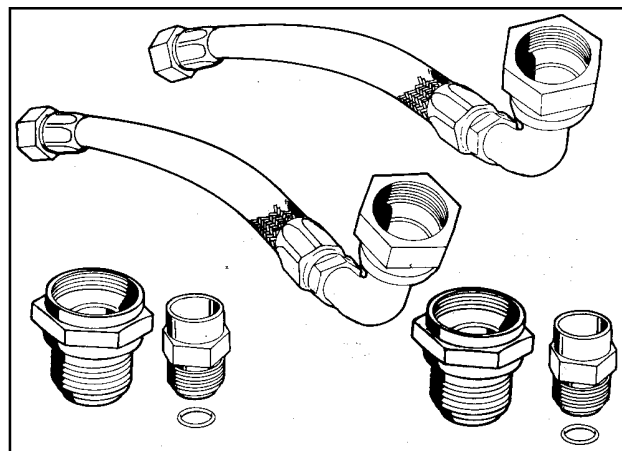


An alternative method for buses with #24 vibrasorbers, require filter **204-498**.

204-504 Hose and adapters

Replacement Parts:

| | | |
|---------|---------------------------------------|---|
| 66-795 | Fitting - 1-3/8 sol x #20 male flare | 2 |
| 66-3108 | Hose - 5 ft R22 compatible | 2 |
| 66-3113 | Adapter - #24 female x #20 male flare | 2 |
| 33-544 | O-ring | 4 |

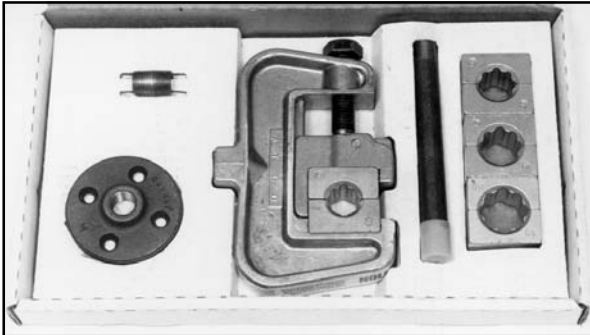




Don't use a knife or a saw to cut refrigerant hoses! This heavy duty cutter makes a quick, clean, 90° cut. Features a replaceable stainless steel blade.

204-677 Hose Cutter

204-678 Replacement blade



Make your own R12 refrigeration hoses! This heavy duty hose crimper features four interchangeable dies and a mounting base for permanent work bench mounting. Die sizes are #6, 8, 10 & 12 hose sizes.

204-676 Crimper - R-12 hose



A portable scale designed for both charging and recovery applications. The Compute-A-Charge is the most useful, versatile instrument of its kind; an invaluable tool for proper handling of costly, environmentally damaging refrigerant. The Compute-A-Charge scale operates on self contained, rechargeable, NiCad batteries for complete portability. Whenever the scale is plugged into the power supply, the batteries are automatically recharged.

204-760 Electronic scale for charging and recovery of refrigerant 120V

204-795 Electronic scale for charging and recovery of refrigerant 220V

204-778 Fuse

204-777 Heater blanket for refrigerant



THERMO KING

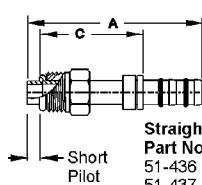
Refrigeration



THERMO KING

World Leader in Transport Temperature Control

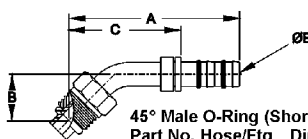
TK 2000 Speedy Clip System



| | | | | |
|--------------|--------|--------|---------|---------|
| Pilot Length | #6 3/8 | #8 1/2 | #10 5/8 | #12 3/4 |
| Short Pilot | .19 | .19 | .19 | .19 |
| Long Pilot | .28 | .39 | .39 | .39 |

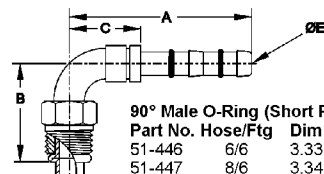
Straight Male O-Ring (Short Pilot)

| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 51-436 | 6/6 | 3.41 | - | 1.70 | .22 | 5/8-18 |
| 51-437 | 8/6 | 3.43 | - | 1.70 | .32 | 5/8-18 |
| 51-438 | 8/8 | 4.37 | - | 2.64 | .32 | 3/4-18 |
| 51-439 | 10/10 | 3.66 | - | 1.92 | .37 | 7/8-18 |
| 51-440 | 12/10 | 3.68 | - | 1.92 | .47 | 7/8-18 |
| 51-441 | 12/12 | 3.68 | - | 1.92 | .47 | 1-1/16-16 |



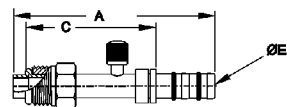
45° Male O-Ring (Short Pilot)

| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 51-442 | 6 | 3.99 | .94 | 2.47 | .22 | 5/8-18 |
| 51-445 | 8/6 | 4.01 | .94 | 2.47 | .32 | 5/8-18 |
| 51-443 | 8/8 | 4.59 | 1.20 | 2.83 | .32 | 3/4-18 |
| 51-444 | 10/10 | 4.65 | 1.46 | 3.10 | .37 | 7/8-18 |



90° Male O-Ring (Short Pilot)

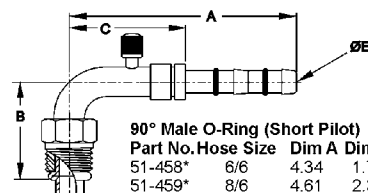
| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 51-446 | 6/6 | 3.33 | 1.77 | 1.80 | .22 | 5/8-18 |
| 51-447 | 8/6 | 3.34 | 1.77 | 1.80 | .32 | 5/8-18 |
| 51-448 | 8/8 | 3.77 | 2.31 | 2.23 | .32 | 3/4-18 |
| 51-449 | 10/8 | 3.78 | 2.31 | 2.23 | .37 | 3/4-18 |
| 51-452 | 10/10 | 4.22 | 2.45 | 2.67 | .37 | 7/8-18 |
| 51-450 | 10/10 | 4.24 | 2.45 | 2.67 | .37 | 7/8-18 |
| 51-451 | 12/12 | 4.22 | 2.79 | 2.64 | .47 | 1-1/16-16 |



Straight Male O-Ring (Short Pilot)

| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 51-455* | 6/6 | 4.18 | - | 2.47 | .22 | 5/8-18 |
| 51-456* | 8/8 | 4.58 | - | 2.85 | .32 | 3/4-18 |
| 51-457* | 10/10 | 4.34 | - | 2.61 | .37 | 7/8-18 |
| 51-453** | 10/10 | 4.43 | - | 2.70 | .37 | 7/8-18 |
| 51-454** | 12/10 | 4.46 | - | 2.70 | .47 | 7/8-18 |

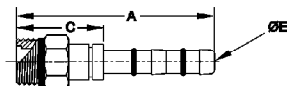
*High Side Port
**Low Side Port



90° Male O-Ring (Short Pilot)

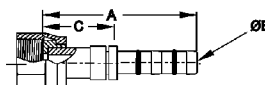
| Part No. | Hose Size | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|-----------|-------|-------|-------|-----|-------------|
| 51-458* | 6/6 | 4.34 | 1.75 | 2.82 | .22 | 5/8-18 |
| 51-459* | 8/6 | 4.61 | 2.31 | 3.07 | .32 | 3/4-18 |
| 51-460* | 10/10 | 4.81 | 2.34 | 3.25 | .37 | 7/8-18 |
| 51-461** | 10/10 | 4.81 | 2.34 | 3.25 | .37 | 7/8-18 |
| 51-462** | 10-10 | 4.81 | 2.34 | 3.25 | .37 | 7/8-18 |

*High Side Port
**Low Side Port



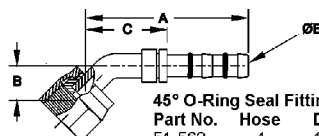
Straight Male MIO (Male Insert O-Ring)

| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 51-463 | 6/6 | 3.36 | - | 1.83 | .22 | 5/8-18 |
| 51-464 | 8/8 | 2.69 | - | 1.15 | .32 | 3/4-18 |
| 51-465 | 10/10 | 2.90 | - | 1.35 | .37 | 7/8-18 |
| 51-505 | 10/- | 3.62 | - | 2.07 | .37 | M20 x 1.5 |
| 51-466 | 10/10 | 4.11 | - | 2.50 | .37 | 7/8-18 |
| 51-467 | 12/12 | 4.29 | - | 2.71 | .47 | 1-1/16-16 |



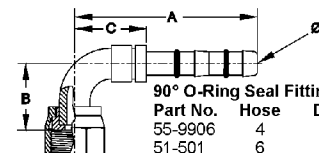
Straight O-Ring Seal Fitting

| Part No. | Hose | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|------|-------|-------|-------|-----|-------------|
| 55-9909 | 4 | 1.84 | - | 1.19 | .17 | 9/16-18 |
| 61-3969 | 4 | 2.94 | - | 1.42 | .22 | 11/16-16 |
| 55-9685 | 6 | 2.94 | - | 1.42 | .22 | 11/16-16 |
| 55-9521 | 8 | 3.16 | - | 1.62 | .32 | 13/16-16 |
| 55-9522 | 10 | 3.33 | - | 1.78 | .37 | 1-14 |
| 55-9596 | 12 | 3.33 | - | 1.74 | .47 | 1-14 |
| 51-497 | 12 | 3.38 | - | 1.80 | .47 | 1-3/16-16 |



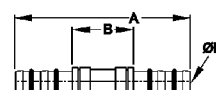
45° O-Ring Seal Fitting

| Part No. | Hose | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|------|-------|-------|-------|-----|-------------|
| 51-562 | 4 | 1.68 | .41 | 1.01 | .17 | 9/16-18 |
| 51-498 | 6 | 2.65 | .44 | 1.12 | .22 | 11/16-16 |
| 55-9524 | 8 | 3.23 | .58 | 1.68 | .32 | 13/16-16 |
| 55-9901 | 8 | 3.50 | .68 | 1.90 | .32 | 1-14 |
| 51-500 | 10 | 3.22 | .70 | 1.67 | .37 | 1-14 |
| 55-9525 | 10 | 3.45 | .68 | 1.90 | .37 | 1-14 |
| 55-9987 | 12 | 3.66 | .76 | 2.10 | .47 | 1-3/16-16 |
| 51-1803 | 16 | 4.85 | 1.12 | 3.18 | .64 | 1-1/16-16 |



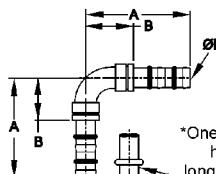
90° O-Ring Seal Fitting

| Part No. | Hose | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|------|-------|-------|-------|-----|-------------|
| 55-9906 | 4 | 1.83 | .87 | 1.14 | .17 | 9/16-18 |
| 51-501 | 6 | 2.44 | .82 | .92 | .22 | 9/16-18 |
| 55-9407 | 6 | 2.50 | .91 | .98 | .22 | 11/16-16 |
| 51-503 | 6 | 2.66 | 1.15 | 1.53 | .22 | 13/16-16 |
| 55-9408 | 8 | 2.75 | 1.15 | 1.20 | .32 | 13/16-16 |
| 51-1807 | 10 | 2.75 | 1.15 | 1.20 | .32 | 13/16-16 |
| 55-9409 | 10 | 3.10 | 1.27 | 1.53 | .37 | 1-14 |
| 55-9520 | 12 | 3.34 | 1.53 | 1.76 | .47 | 1-14 |
| 55-9410 | 12 | 3.40 | 1.90 | 1.78 | .47 | 1-3/16-16 |
| 51-504 | 12 | 3.82 | 2.38 | 2.38 | .47 | 1-3/16-16 |



Straight Splice

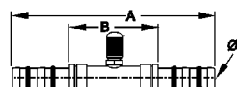
| Part No. | Hose | Dim A | Dim B | ØE |
|----------|------|-------|-------|-----|
| 51-532 | 6 | 4.63 | 1.58 | .22 |
| 51-533 | 8 | 4.76 | 1.68 | .32 |
| 51-534 | 10 | 5.68 | 2.58 | .37 |
| 51-535 | 12 | 4.72 | 1.57 | .47 |



90° Splice

| Part No. | Hose | Dim A | Dim B | ØE |
|----------|------|-------|-------|-----|
| 51-536 | 6 | 2.71 | 1.18 | .22 |
| 51-537 | 8 | 2.98 | 1.43 | .32 |
| 51-538 | 10 | 3.08 | 1.53 | .37 |
| 51-540* | 10 | 4.22 | 1.89 | .37 |
| 51-539 | 12 | 3.68 | 2.11 | .47 |

*One end has a long pilot fitting

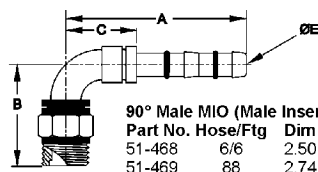


Splice with Charging Port (7/16-20)

| Part No. | Hose | Dim A | Dim B | ØE |
|----------|------|-------|-------|-----|
| 51-541 | 6 | 5.41 | 2.36 | .22 |
| 55-9600 | 8 | 5.61 | 2.52 | .32 |
| 51-548* | 8 | 5.61 | 2.52 | .32 |
| 55-9601 | 10 | 5.54 | 2.44 | .37 |
| 51-549* | 10 | 5.54 | 2.44 | .37 |
| 55-9602 | 12 | 5.60 | 2.44 | .47 |
| 51-550** | 12 | 5.60 | 2.44 | .47 |
| 51-1140 | 16 | 6.79 | 3.44 | .65 |

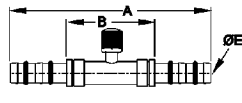
*Charging Port M10x1.25 Thd
**Charging Port M12x1.25 Thd

R



90° Male MIO (Male Insert O-Ring)

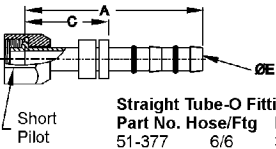
| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 51-468 | 6/6 | 2.50 | 1.44 | 0.98 | .22 | 5/8-18 |
| 51-469 | 8/8 | 2.74 | 1.82 | 1.20 | .32 | 3/4-18 |
| 51-471 | 10/8 | 2.75 | 1.82 | 1.20 | .37 | 3/4-18 |
| 51-470 | 10/10 | 3.09 | 2.13 | 1.54 | .37 | 7/8-18 |



Splice with R134a Port

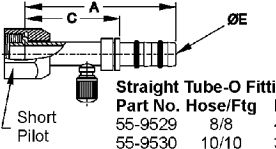
| Part No. | Hose | Dim A | Dim B | ØE |
|-----------|------|-------|-------|-----|
| 51-542* | 6 | 5.41 | 2.36 | .22 |
| 51-543* | 8 | 5.61 | 2.52 | .32 |
| 51-544* | 10 | 5.54 | 2.44 | .37 |
| 51-546** | 10 | 5.54 | 2.44 | .37 |
| 51-545* | 12 | 5.60 | 2.44 | .47 |
| 51-547** | 12 | 5.60 | 2.44 | .47 |
| 51-1677** | 16 | 6.81 | 3.47 | .65 |

*High Side Port
**Low Side Port



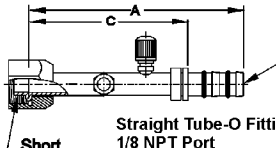
Straight Tube-O Fitting

| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 51-377 | 6/6 | 3.14 | - | 1.62 | .22 | 5/8-18 |
| 55-9450 | 8/6 | 3.16 | - | 1.62 | .32 | 5/8-18 |
| 55-9526 | 8/8 | 3.56 | - | 2.02 | .32 | 3/4-16 |
| 51-381 | 8/8 | 3.20 | - | 1.66 | .32 | M20x1.5 |
| 51-378 | 8/10 | 3.62 | - | 2.08 | .32 | 7/8-14 |
| 55-9527 | 10/8 | 3.57 | - | 2.02 | .37 | 3/4-16 |
| 51-1757 | 10/8 | 3.66 | - | 1.72 | .37 | 3/4-16 |
| 51-382 | 10/- | 3.21 | - | 1.66 | .37 | M20x1.5 |
| 55-9528 | 10/10 | 3.63 | - | 2.08 | .37 | 7/8-14 |
| 51-379 | 10/12 | 4.25 | - | 2.62 | .37 | 1-1/16-14 |
| 55-9451 | 12/10 | 3.66 | - | 1.67 | .47 | 7/8-14 |
| 51-380 | 12/12 | 4.25 | - | 2.69 | .47 | 1-1/16-14 |
| 51-383 | 12/- | 4.25 | - | 2.69 | .47 | M27x2 |
| 51-1758 | 16/10 | 3.78 | - | 1.68 | .64 | 7/8-14 |
| 51-1756 | 16/12 | 4.36 | - | 2.14 | .64 | 1-1/16-14 |



Straight Tube-O Fitting with Charging Port

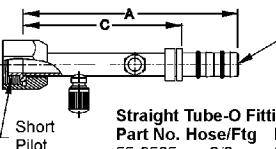
| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 55-9529 | 8/8 | 4.07 | - | 2.53 | .32 | 3/4-16 |
| 55-9530 | 10/10 | 3.75 | - | 2.20 | .37 | 7/8-14 |
| 55-9531 | 12/10 | 3.74 | - | 2.16 | .47 | 7/8-14 |
| 51-1144 | 16/12 | 3.68 | - | 2.30 | .64 | 1-1/16-14 |



Straight Tube-O Fitting with Charging Port and 1/8 NPT Port

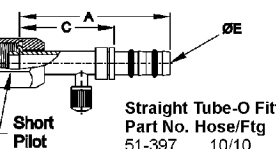
| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 51-412 | 8/8 | 5.16 | - | 3.62 | .32 | 3/4-16 |
| 51-413 | 10/8 | 5.54 | - | 3.62 | .37 | 3/4-16 |
| 51-414* | 12/10 | 5.30 | - | 3.72 | .47 | 7/8-14 |

*51-414 (Low)
Suction Port



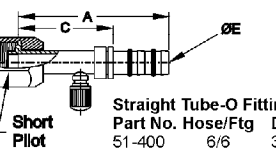
Straight Tube-O Fitting with Charging Port and 1/8 NPT Port

| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 55-9535 | 8/8 | 5.16 | - | 3.14 | .32 | 3/4-16 |
| 55-9536 | 10/8 | 5.16 | - | 3.14 | .37 | 3/4-16 |
| 55-9537 | 12/10 | 5.30 | - | 3.25 | .47 | 7/8-14 |



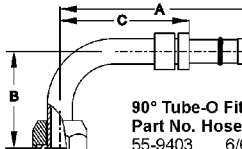
Straight Tube-O Fitting with R134a Suction (low) Side Port

| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 51-397 | 10/10 | 4.24 | - | 2.25 | .37 | 7/8-14 |
| 51-398 | 12/10 | 4.27 | - | 2.25 | .47 | 7/8-14 |
| 51-399 | 12/12 | 4.58 | - | 2.43 | .47 | 1-1/16-14 |



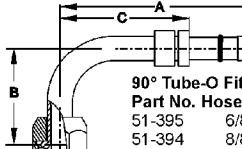
Straight Tube-O Fitting with R134a Discharge (high) Side Port

| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 51-400 | 6/6 | 3.91 | - | 2.10 | .22 | 5/8-18 |
| 51-401 | 6/8 | 4.06 | - | 2.26 | .22 | 3/4-16 |
| 51-402 | 8 | 4.09 | - | 2.16 | .32 | 3/4-16 |
| 51-403 | 8/10 | 4.09 | - | 2.16 | .32 | 7/8-14 |



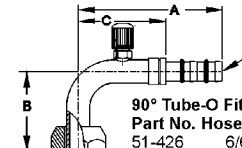
90° Tube-O Fitting (Short Pilot)

| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 55-9403 | 6/6 | 3.32 | 1.38 | 1.8 | .22 | 5/8-18 |
| 51-391 | 6/8 | 3.86 | 1.62 | 2.33 | .22 | 3/4-16 |
| 55-9446 | 8/6 | 3.33 | 1.38 | 1.8 | .32 | 5/8-18 |
| 55-9404 | 8/8 | 3.77 | 1.62 | 2.23 | .32 | 3/4-16 |
| 51-1754 | 10/8 | 3.77 | 1.78 | 2.16 | .37 | 3/4-16 |
| 55-9447 | 10/8 | 3.78 | 1.62 | 2.23 | .37 | 3/4-16 |
| 55-9405 | 10/10 | 4.22 | 1.89 | 2.67 | .37 | 7/8-14 |
| 51-392 | 10/12 | 4.76 | 2.56 | 3.31 | .37 | 1-1/16-14 |
| 55-9448 | 12/10 | 4.24 | 1.89 | 2.67 | .47 | 7/8-14 |
| 55-9406 | 12/12 | 4.74 | 2.56 | 3.16 | .47 | 1-1/16-14 |
| 51-1755 | 16/10 | 4.35 | 2.02 | 2.67 | .64 | 7/8-14 |
| 51-1754 | 16/12 | 4.74 | 2.68 | 3.08 | .64 | 1-1/16-14 |



90° Tube-O Fitting (long Pilot)

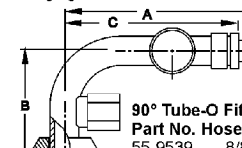
| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 51-395 | 6/8 | 3.75 | 1.62 | 2.23 | .22 | 3/4-16 |
| 51-394 | 8/8 | 3.77 | 1.62 | 2.23 | .32 | 3/4-16 |
| 51-508 | 8/- | 3.77 | 1.62 | 2.23 | .32 | M20x1.5 |
| 51-510 | 8/- | 3.77 | 1.62 | 2.23 | .32 | M20x1.5 |
| 51-509 | 10/- | 3.78 | 1.62 | 2.23 | .37 | M20x1.5 |
| 51-396 | 10/10 | 3.78 | 1.62 | 2.23 | .37 | 7/8-14 |
| 51-511 | 12/12 | 4.74 | 2.56 | 3.16 | .47 | M27x2 |



90° Tube-O Fitting with Charging Port (7/16-20)

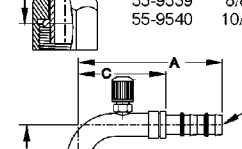
| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|-----------|----------|-------|-------|-------|-----|-------------|
| 51-426 | 6/6 | 4.35 | 1.35 | 2.82 | .22 | 5/8-18 |
| 55-9519 | 8/8 | 4.26 | 1.14 | 2.72 | .32 | 3/4-16 |
| 51-512 | 8/- | 4.25 | 1.62 | 2.98 | .32 | M20x1.5 |
| 51-427 | 10/8 | 4.62 | 1.62 | 2.59 | .37 | 3/4-16 |
| 51-433*** | 10/10 | 4.80 | 1.89 | 3.25 | .37 | 7/8-14 |
| 55-9518 | 10/10 | 4.80 | 1.93 | 2.77 | .37 | 7/8-14 |
| 51-432** | 10/10 | 4.80 | 1.89 | 2.48 | .37 | 7/8-14 |
| 51-434*** | 12/10 | 4.83 | 1.89 | 3.25 | .47 | 7/8-14 |
| 55-9449* | 12/10 | 3.68 | 1.69 | 2.10 | .47 | 7/8-14 |
| 51-428 | 12/10 | 4.03 | 1.69 | 2.48 | .47 | 7/8-14 |
| 51-435*** | 12/12 | 5.08 | 2.56 | 3.50 | .47 | 1-1/16-14 |
| 51-1141 | 16/10 | 4.08 | 1.69 | 2.48 | .64 | 7/8-14 |

*45° Port
Rotation
**90° Port
Rotation
*** M12x1.25
Charging Port



90° Tube-O Fitting with Charging Port and 1/8 NPT Port

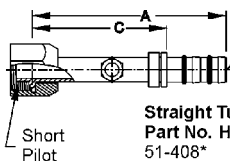
| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 55-9539 | 8/8 | 4.61 | 2.53 | 3.1 | .32 | 3/4-16 |
| 55-9540 | 10/8 | 4.61 | 2.53 | 3.1 | .37 | 3/4-16 |



90° Tube-O Fitting with R134a Port

| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|-----------|----------|-------|-------|-------|-----|-------------|
| 51-422* | 6/6 | 4.35 | 1.38 | 2.82 | .22 | 5/8-18 |
| 51-423* | 8/8 | 4.61 | 1.62 | 3.07 | .32 | 3/4-16 |
| 51-513* | 8/- | 4.25 | 1.62 | 2.98 | .32 | M20 x 1.5 |
| 51-424* | 10/8 | 4.53 | 1.62 | 2.98 | .37 | 3/4-16 |
| 51-419** | 10/10 | 4.88 | 1.89 | 3.33 | .37 | 7/8-14 |
| 51-429*** | 10/10 | 4.80 | 1.89 | 3.25 | .37 | 7/8-14 |
| 51-420** | 12/10 | 4.83 | 1.89 | 4.83 | .47 | 7/8-14 |
| 51-428 | 12/10 | 4.03 | 1.69 | 2.48 | .47 | 7/8-14 |
| 51-430*** | 12/12 | 5.08 | 2.56 | 3.50 | .47 | 1-1/16-14 |
| 51-421** | 12/12 | 5.10 | 2.56 | 3.52 | .47 | 1-1/16-14 |

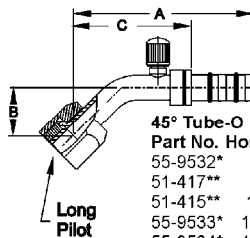
*With Discharge (R134a) Port
**With Suction (R134a) Port
*** With Switch Port



Straight Tube-O Fitting with 7/16-20 Port

| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 51-408* | 10/8 | 4.25 | - | 2.25 | .37 | 3/4-16 |
| 51-409** | 10/8 | 4.25 | - | 2.25 | .37 | 3/4-16 |
| 51-410** | 12/8 | 4.27 | - | 2.25 | .47 | 3/4-16 |
| 51-407 | 12/12 | 4.86 | - | 2.71 | .47 | 1-1/16-14 |
| 51-411** | 12/12 | 4.86 | - | 2.71 | .47 | 1-1/16-14 |

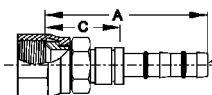
* With M10-1.25 Port
** With M12-1.25 Port



45° Tube-O Fitting

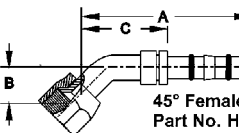
| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 55-9532* | 8/8 | 4.51 | .83 | 2.96 | .32 | 3/4-16 |
| 51-417** | 8/8 | 4.43 | .73 | 2.40 | .32 | 3/4-16 |
| 51-415** | 10/8 | 4.61 | .80 | 2.67 | .37 | 3/4-16 |
| 55-9533* | 10/10 | 4.27 | .91 | 2.72 | .37 | 7/8-14 |
| 55-9534* | 12/10 | 4.25 | .91 | 2.68 | .47 | 7/8-14 |
| 51-416** | 12/10 | 4.73 | .89 | 2.67 | .47 | 7/8-14 |
| 51-1142 | 16/10 | 4.89 | .89 | 2.72 | .64 | 7/8-14 |
| 51-1781 | 16/12 | 4.51 | .86 | 2.96 | .62 | 1-1/16-14 |

*With Charging Port
**With Switch Port (7/16-20)



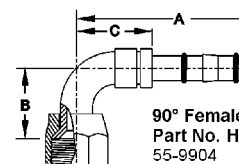
Female SAE 45° Flare

| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 51-561 | 4/4 | 1.34 | - | - | .17 | 7/16-20 |
| 51-472 | 6/6 | 2.88 | - | 1.35 | .22 | 5/8-18 |
| 51-473 | 8/6 | 3.14 | - | 1.62 | .32 | 5/8-18 |
| 51-474 | 8/8 | 2.96 | - | 1.42 | .32 | 3/4-16 |
| 51-475 | 10/8 | 3.56 | - | 2.02 | .37 | 3/4-16 |
| 51-476 | 10/10 | 3.63 | - | 2.07 | .37 | 7/8-14 |
| 51-477 | 12/10 | 3.66 | - | 2.08 | .47 | 7/8-14 |
| 51-478 | 12/12 | 3.20 | - | 1.62 | .47 | 1-1/16-14 |



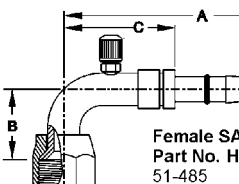
45° Female Elbow 45° Flare

| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 55-9903 | 4/4 | 1.57 | .33 | 0.91 | .12 | 7/16-20 |
| 51-479 | 6/6 | 2.61 | .39 | 1.08 | .22 | 5/8-18 |
| 51-480 | 8/6 | 2.62 | .39 | 1.08 | .32 | 5/8-18 |
| 51-481 | 8/8 | 2.97 | .55 | 1.43 | .32 | 3/4-16 |
| 51-482 | 10/8 | 2.98 | .55 | 1.43 | .37 | 3/4-16 |
| 51-483 | 10/10 | 3.08 | .63 | 1.53 | .37 | 7/8-14 |
| 51-484 | 12/10 | 3.11 | .63 | 1.53 | .47 | 7/8-14 |



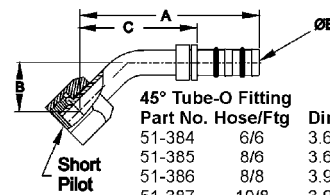
90° Female Elbow 45° Flare

| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 55-9904 | 4/4 | 1.69 | .61 | 1.00 | .12 | 7/16-20 |
| 51-488 | 6/6 | 2.51 | .85 | 1.00 | .22 | 5/8-18 |
| 51-489 | 8/6 | 2.52 | .85 | 1.00 | .32 | 5/8-18 |
| 51-490 | 8/8 | 2.74 | 1.09 | 1.20 | .32 | 3/4-16 |
| 51-491 | 10/10 | 3.09 | 1.19 | 1.54 | .37 | 7/8-14 |
| 51-492 | 12/10 | 3.09 | 1.19 | 1.54 | .47 | 7/8-14 |
| 51-493 | 12/12 | 3.68 | 1.80 | 2.11 | .47 | 1-1/16-14 |



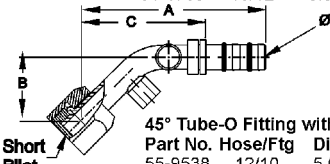
Female SAE 45° With High Side Charging Port - 90° Elbow

| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 51-485 | 6/5 | 4.35 | .85 | 1.28 | .22 | 5/8-18 |
| 51-486 | 8/8 | 4.61 | 1.09 | 1.53 | .32 | 3/4-16 |
| 51-487 | 10/10 | 4.80 | 1.19 | 1.84 | .37 | 7/8-14 |



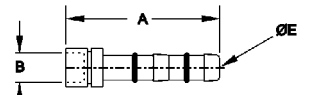
45° Tube-O Fitting

| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 51-384 | 6/6 | 3.60 | .67 | 2.08 | .22 | 5/8-18 |
| 51-385 | 8/6 | 3.62 | .67 | 2.08 | .32 | 5/8-18 |
| 51-386 | 8/8 | 3.94 | .73 | 2.40 | .32 | 3/4-16 |
| 51-387 | 10/8 | 3.95 | .73 | 2.40 | .37 | 3/4-16 |
| 51-388 | 10/10 | 4.37 | 1.19 | 2.81 | .37 | 7/8-14 |
| 51-1760 | 12/8 | 4.12 | .88 | 2.54 | .47 | 3/4-16 |
| 51-389 | 12/10 | 4.46 | 1.25 | 2.88 | .47 | 7/8-14 |
| 51-390 | 12/12 | 5.33 | 1.47 | 3.75 | .47 | 1-1/16-14 |
| 51-506 | 12/- | 4.74 | 2.24 | 3.75 | .47 | M27x2 |
| 51-507 | 12/- | 5.33 | 1.47 | 3.75 | .47 | M27x2 |
| 51-1761 | 16/10 | 4.45 | 1.24 | 2.76 | .64 | 7/8-14 |
| 51-1759 | 16/12 | 5.33 | 1.47 | 3.62 | .64 | 1-1/16-14 |



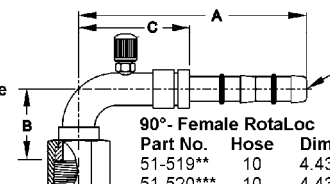
45° Tube-O Fitting with Charging Port and 1/8 NPT Port

| Part No. | Hose/Ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 55-9538 | 12/10 | 5.09 | 1.38 | 3.51 | .47 | 7/8-14 |



90° Lifesaver (Braze Lifesaver to Tube)

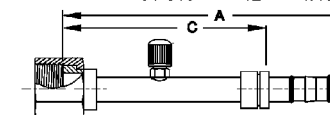
| Part No. | Hose | Dim A | Tube od | ØE |
|----------|------|-------|---------|-----|
| 51-649 | 6 | 2.00 | .38 | .22 |
| 51-650 | 8 | 2.00 | .38 | .32 |
| 51-651 | 8 | 2.00 | .50 | .32 |
| 51-652 | 10 | 2.00 | .50 | .37 |
| 51-653 | 10 | 2.00 | .63 | .37 |
| 51-654 | 12 | 2.06 | .63 | .47 |
| 51-655 | 16 | 2.11 | .75 | .47 |



90° Female RotaLoc

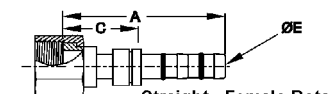
| Part No. | Hose | Dim A | Dim B | Dim C | ØE | Thread Size |
|-----------|------|-------|-------|-------|-----|-------------|
| 51-519** | 10 | 4.43 | 2.58 | 2.88 | .37 | 1-14 |
| 51-520*** | 10 | 4.43 | 2.55 | 2.88 | .37 | 1-14 |
| 51-518* | 12 | 4.48 | 2.58 | 2.88 | .47 | 1-14 |

*With R134a Low Side Port
**With R134a High Side Port
***With Switch Port (7/16-20)



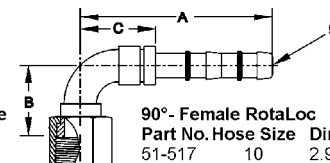
Straight - Female RotaLoc

| Part No. | Hose Size | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|-----------|-------|-------|-------|-----|-------------|
| 51-1845 | 12 | 6.44 | - | 4.86 | .47 | 1-14 |
| 51-1846 | 16 | 6.45 | - | 4.77 | .65 | 1-14 |



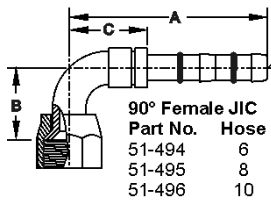
Straight - Female RotaLoc

| Part No. | Hose Size | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|-----------|-------|-------|-------|-----|-------------|
| 51-516 | 10 | 3.69 | - | 2.14 | .37 | 1-14 |



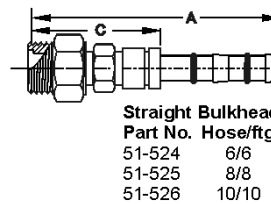
90° Female RotaLoc

| Part No. | Hose Size | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|-----------|-------|-------|-------|-----|-------------|
| 51-517 | 10 | 2.98 | 1.52 | 1.43 | .37 | 1-14 |



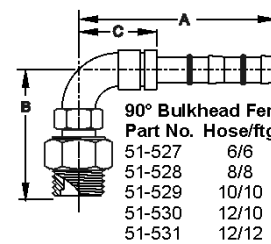
90° Female JIC

| Part No. | Hose | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|------|-------|-------|-------|-----|-------------|
| 51-494 | 6 | 2.50 | 2.18 | .98 | .22 | 9/16-18 |
| 51-495 | 8 | 2.52 | 2.18 | .98 | .32 | 9/16-18 |
| 51-496 | 10 | 3.36 | 3.73 | 1.78 | .37 | 1-1/16-12 |



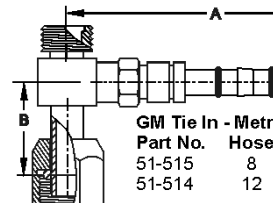
Straight Bulkhead Female Tubo

| Part No. | Hose/ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 51-524 | 6/6 | 3.69 | - | 2.16 | .22 | 5/8-18 |
| 51-525 | 8/8 | 3.93 | - | 2.39 | .32 | 3/4-16 |
| 51-526 | 10/10 | 4.49 | - | 2.94 | .37 | 7/8-14 |



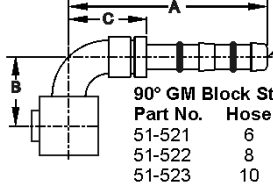
90° Bulkhead Female Tubo

| Part No. | Hose/ftg | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|----------|-------|-------|-------|-----|-------------|
| 51-527 | 6/6 | 2.50 | 2.15 | .98 | .22 | 5/8-18 |
| 51-528 | 8/8 | 2.74 | 2.61 | 1.20 | .32 | 3/4-16 |
| 51-529 | 10/10 | 3.08 | 3.26 | 1.53 | .37 | 7/8-14 |
| 51-530 | 12/10 | 3.11 | 3.26 | 1.53 | .47 | 7/8-14 |
| 51-531 | 12/12 | 3.69 | 3.78 | 2.11 | .47 | 1-1/16-14 |



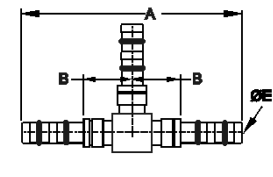
GM Tie In - Metric Tee

| Part No. | Hose | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|------|-------|-------|-------|-----|-------------|
| 51-515 | 8 | 2.71 | 1.68 | - | .32 | M20 x 1.5 |
| 51-514 | 12 | 3.12 | 2.71 | - | .47 | M27 x 2 |



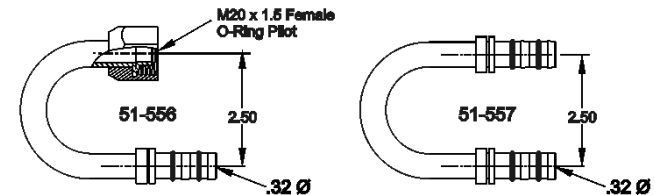
90° GM Block Style

| Part No. | Hose | Dim A | Dim B | Dim C | ØE | Thread Size |
|----------|------|-------|-------|-------|-----|-------------|
| 51-521 | 6 | 3.92 | 1.60 | 2.38 | .22 | - |
| 51-522 | 8 | 3.83 | 2.31 | 2.28 | .32 | - |
| 51-523 | 10 | 3.86 | 2.38 | 2.28 | .37 | - |

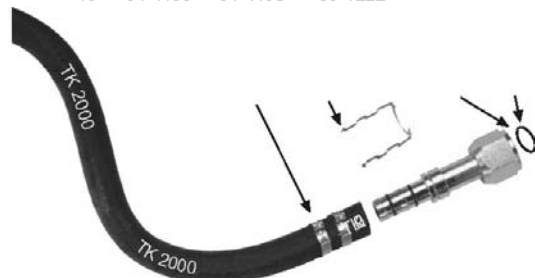


"T" Splice - 3 Hose Connection

| Part No. | Hose | Dim A | Dim B | ØE |
|----------|----------|-------|-------|---------|
| 51-551 | 8 | 5.48 | 2.40 | .32 |
| 51-552 | 10 | 5.62 | 2.52 | .37 |
| 51-553 | 12 | 5.67 | 2.52 | .47 |
| 51-555 | 6-8-8 | 5.48 | 2.40 | .22-.32 |
| 51-554 | 10-12-12 | 5.67 | 2.52 | .37-.47 |
| 51-1812 | 12-16-16 | 6.06 | 2.71 | .47-.63 |



| Size | Clip | Cage | O-Ring ORS | O-Ring Tube-O |
|------|---------|---------|------------|---------------|
| 4 | 55-9908 | 55-9907 | 33-1461 | - |
| 6 | 55-9415 | 55-9411 | 33-1015 | 33-1461 |
| 8 | 55-9416 | 55-9412 | 33-566 | 33-2350 |
| 10 | 55-9417 | 55-9413 | 33-2115 | 33-672 |
| 12 | 55-9418 | 55-9414 | 33-1222 | - |
| 16 | 51-1139 | 51-1138 | 33-1222 | - |



Hose Length

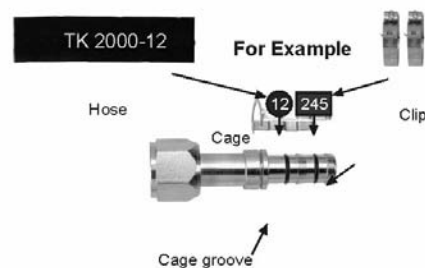
| | #4 Hose | #6 Hose | #8 Hose | #10 Hose | #12 Hose | #16 Hose |
|--------|---------|---------|---------|----------|----------|-----------------|
| 50 ft | - | 61-617 | 61-627 | 61-637 | 61-643 | 61-3047 (30 ft) |
| 300 ft | 67-1782 | 67-1708 | 67-1709 | 67-1710 | 67-1711 | 67-2192 |

Heat Protective Sleeving

| | #4 Hose | #6 Hose | #8 Hose | #10 Hose | #12 Hose | #16 Hose |
|-------|---------|---------|---------|----------|----------|----------|
| 25 ft | 67-2060 | 67-2059 | 67-2057 | 67-2058 | 67-2058 | 67-2061 |

Component ID

| Size | Hose | Cage | Clip |
|------|------------|-------------|------|
| 4 | TK 2000-4 | -5 and 110 | 110 |
| 6 | TK 2000-6 | -6 and 150 | 150 |
| 8 | TK 2000-8 | -8 and 175 | 175 |
| 10 | TK 2000-10 | -10 and 200 | 200 |
| 12 | TK 2000-12 | -12 and 245 | 245 |
| 16 | TK 2000-16 | -16 and 285 | 285 |



NOTE: The two black O-Rings on the nipple assembly are of a special rubber compound and size, DO NOT remove or replace them.



Don't use a knife or a saw to cut refrigerant hoses! This heavy duty cutter makes a quick, clean, 90° cut. Features a replaceable stainless steel blade.

204-677 Hose Cutter

204-678 Replacement blade



Use the pliers (204-1045) to quickly close the speedy clips on the TK 2000 Speedy Clip Hose System. Position the pliers squarely on the clip connection points and keep it square when closing the clip.

204-1045 Clip Pliers #4 to #12 hose



R

Use this pliers (204-1128) for the new #16 speedy clips on the TK 2000 Speedy Clip Hose System. Position the pliers squarely on the clip connection points and keep it square when closing the clip.

204-1128 Clip Pliers #16 hose

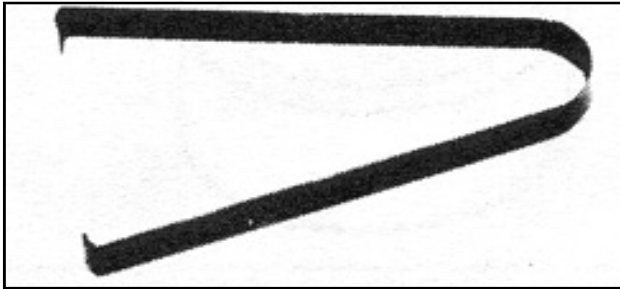


This handy carry case includes a clip pliers, hose cutter with a spare blade, and several sets cages and clips in sizes #6, 8, 10 & 12.

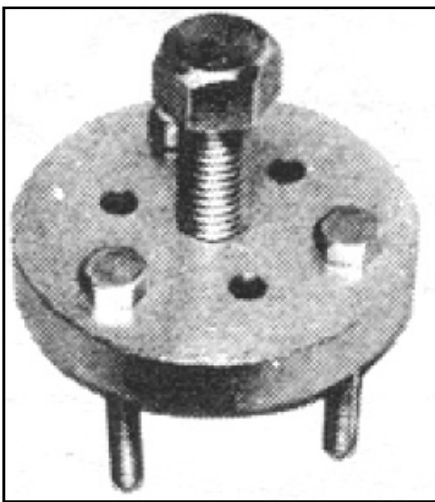
204-1044 TK2000 hose set



**Sanden Compressor Tools
(used on TNT, CB and STB)**



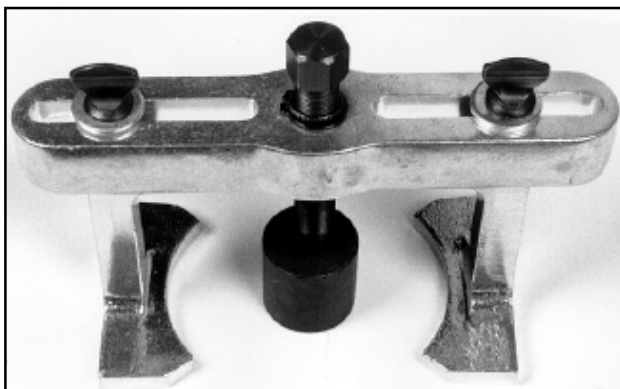
204-558 Seal retainer



204-559 Front plate puller



204-560 Shaft protector



204-552 Rotor puller set



Sanden Compressor Tools (used on TNT, CB and STB)

For more information, see Service Bulletin #178
TK 7604.

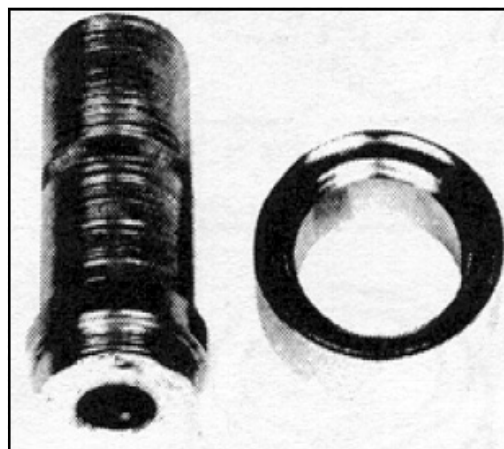
204-551 Clutch front plate spanner



204-554 Dipstick

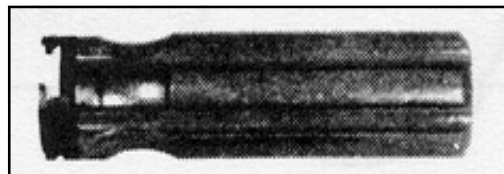


204-555 Clutch rotor installer set

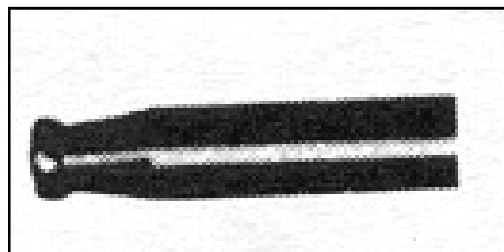


C

204-556 Seal remover and installer



204-557 Seal sleeve protector



TK Compressor Tools



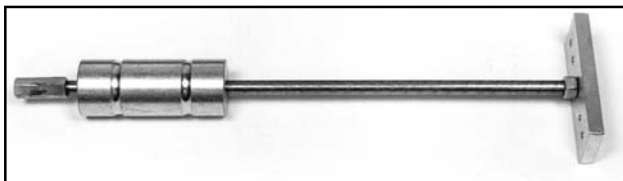
Quickly installs and removes the check valve from the X426 & X430 compressor.

204-464 Check valve removal tool



Removes the retaining nut on the sight glass. To be used with a 3/8" square drive.

204-244 Wrench - sight glass



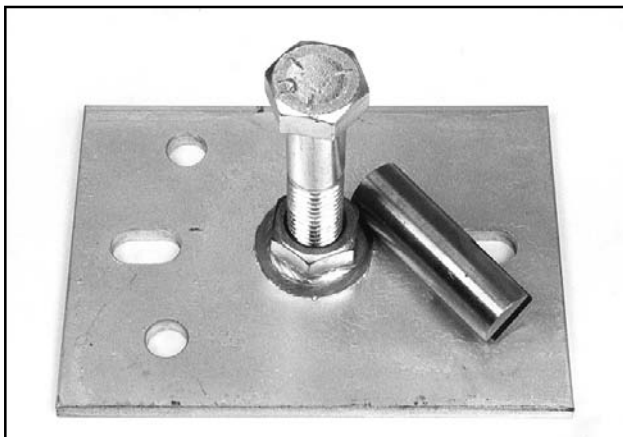
Attach this tool to the oil pump cover and pull the bearing plate loose without damage. The other end of the puller will pull the shaft from closed end belt idler pulleys.

204-638 Puller - pump bearing plate (slide hammer)

Replacement parts

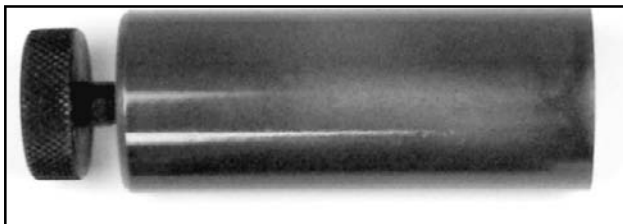
204-639 Plate

204-640 Adapter 1/2-20 x 5/16-18



This tool will pull the oil pump on the X426 and X430 compressor.

204-483 Tool - puller plate



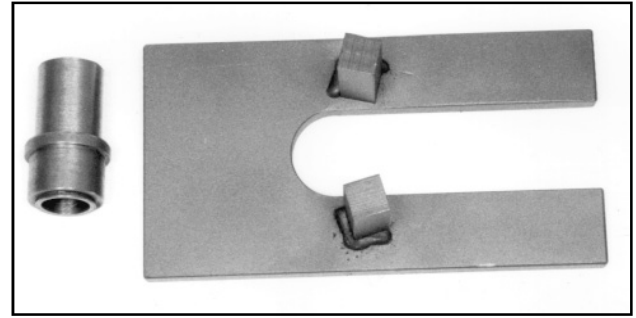
This tool holds the 1.0 stainless steel bellow seal in place, making it easier to tighten the set screws.

204-995 Compressor seal installer



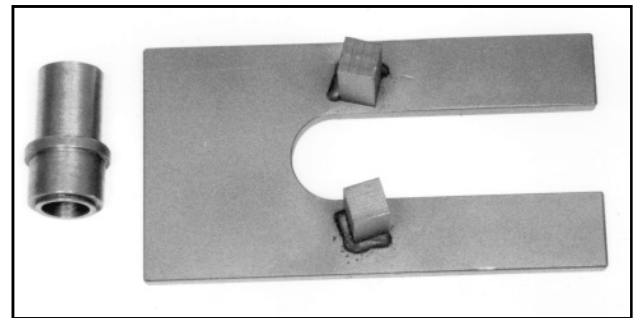
Compressor bearing puller for X430, X426 and X214 compressors. Use a hydraulic press to remove the ball bearings from compressor crankshaft without damaging shaft.. Thermo King recommends rebuilding with new bearing

204-1000 Compressor bearing puller



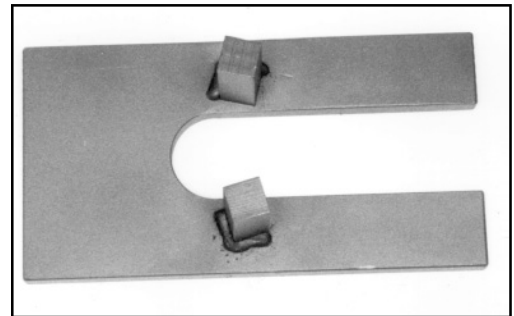
Compressor bearing puller for X640 compressors. Use a hydraulic press to remove the ball bearings from compressor crankshaft without damaging shaft. Thermo King recommends rebuilding with new bearing

204-1075 Compressor bearing puller



Compressor bearing plate for X640 compressors

204-1076 Compressor bearing plate



Replacement bushing for tools 204-1000 & 204-1075

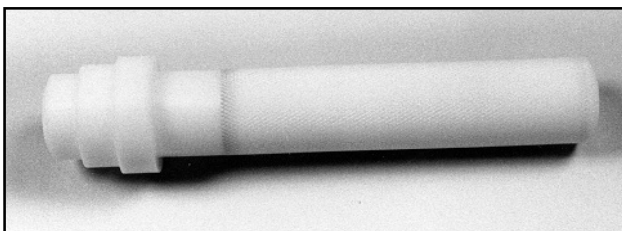
204-999 Compressor shaft bearing



Align the compressor coupling on to the compressor crankshaft. Refer to Service Bulletin T & T 189 for further information.

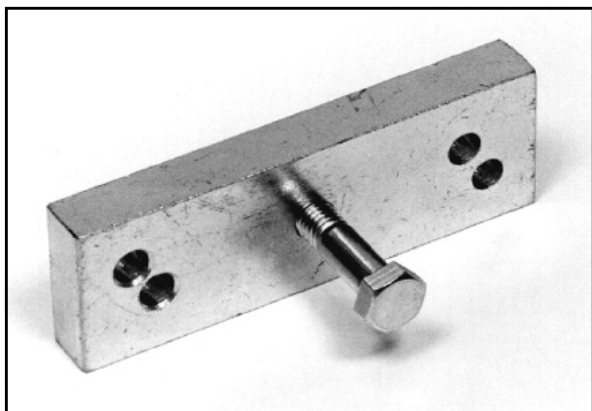
204-972 Keyway tool





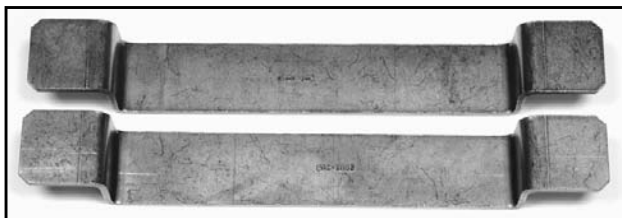
Installer for the 1.0 or 1.188 inch stainless steel bellow seal. This tool is designed so it will not touch the polished surface of the seal.

204-953 Seal installer



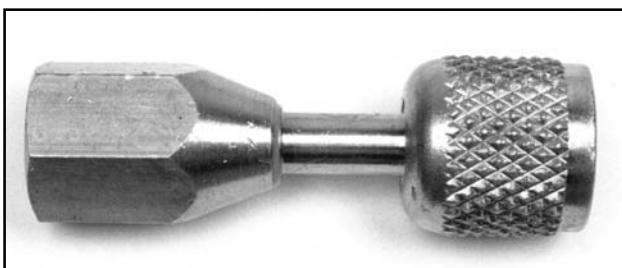
Removes the drive coupling from the compressor crankshaft. Attach to the coupling and turn the screw against the end of the crankshaft. This puller will also remove the OM636 camshaft.

204-139 Drive coupling puller



When removing or replacing the X430 compressor with the 7 quart oil base, install these supports between the frame and compressor. Aids in aligning compressor to the flywheel, remove after installation.

204-1087 Tool - compressor installation (set of 2)



Use to take oil pressure readings from the compressor service ports with Schrader valves or to take high pressure readings from the receiver outlet service port. The adapter has a 1/8" female pipe x 1/4" flare with a Schrader valve depressor.

204-626 Adapter - gauge fitting

204-853 Adapter - gauge fitting 90°



204-796 Compressor oil drain adapter



Removes the clutch from the bus air conditioner
TK screw compressor

204-1130 Clutch puller

Replacement parts for 204-1130 clutch puller.

| Part No. | Description |
|----------|-----------------------------|
| 204-1131 | Collar - pulley removal |
| 204-1132 | Wrench spanner |
| 204-1133 | Tool - pulley installer |
| 204-1134 | Bolt |
| 204-1135 | Tool - inner and outer seal |
| 204-1136 | Adapter - retainer nut |



This tool is used to press the bearing in/out of the
TK high torque clutch

204-1147 TK high torque clutch bearing removal & installation tool

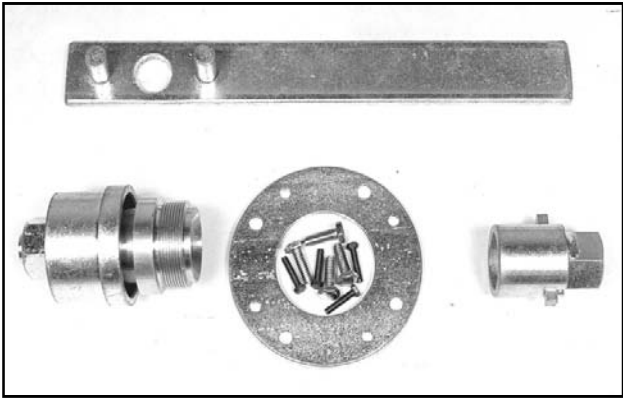


C

Use this tool to remove the crankshaft with its
bearing, refer to SB542

204-1153 Compressor X426/430





Removes the clutch from the bus air conditioner 426/430/640 compressor (see Service bulletin #83 TK6977 for further information).

204-481 Clutch puller

Replacement parts for 204-481 clutch puller.

| Part No. | Description | Item |
|----------|-------------------------|------|
| 204-545 | Wrench spanner | 1 |
| 204-704 | Spindle - clutch puller | 2 |
| 204-820 | Adapter - retainer nut | 3 |



Removes the clutch from the bus air conditioner S391/S616 compressor (see your maintenance manual for further information).

204-1130 Clutch puller

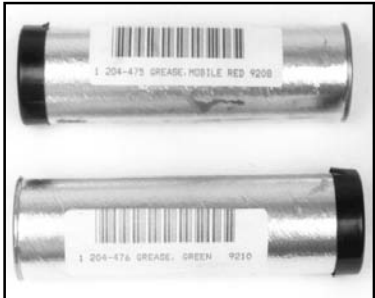
Replacement parts for 204-1130 clutch puller.

| Part No. | Description | Item |
|----------|------------------------|------|
| 204-1131 | Nut - socket | 1 |
| 204-1132 | Retainer - armature | 2 |
| 204-1133 | Installer - pulley | 3 |
| 204-1134 | Screw - clutch removal | 4 |
| 204-1135 | Installer - bearing | 5 |
| 204-1136 | Remover - pulley | 6 |



Grease gun for bus compressor clutch.

204-477 Grease gun



Four oz refill for grease gun **204-477**

204-475 Grease - red (low temp)

204-476 Grease - green (high temp)



204-1139 Pin install tool



Drive coupling removal tool

204-1154 Bushing removal tool



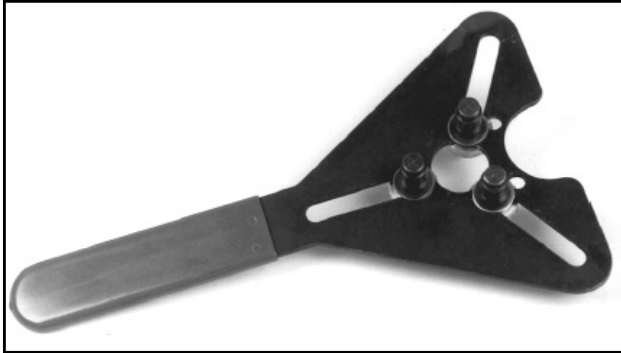
Drive coupling installation tool

204-1155 Bushing installation tool



C

DKS-26 Compressor Tools



204-680 Holder - drive plate



204-681 Puller - drive plate

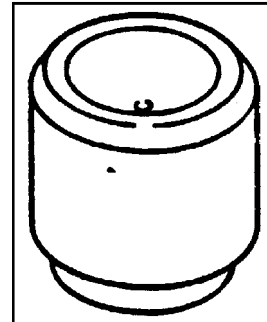


204-682 Nut wrench

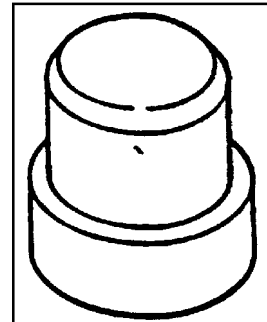


DKS-26 Compressor Tools

204-693 Puller - center pulley

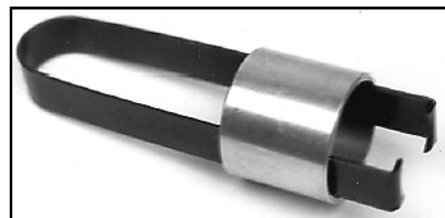


204-684 Installer - pulley



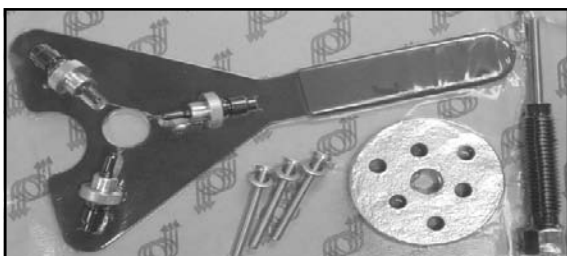
C

204-685 Remover - seal seat



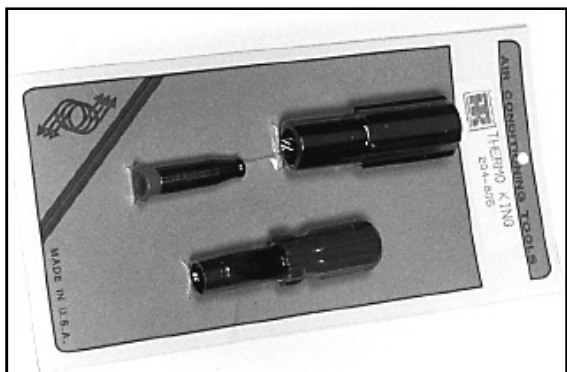
204-686 Remover - seal shaft



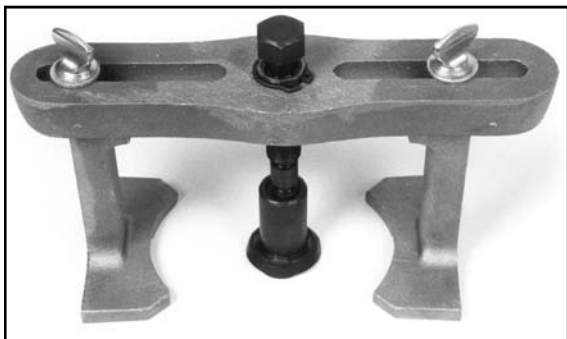


**Seltec Compressor Tools
DKS 15 CH**

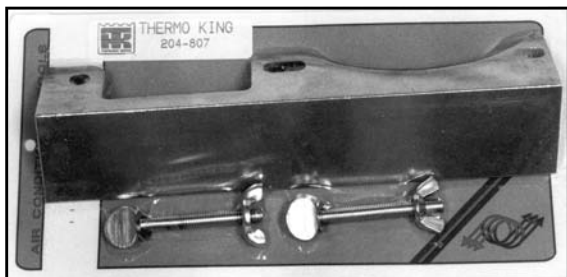
204-804 Puller arbor



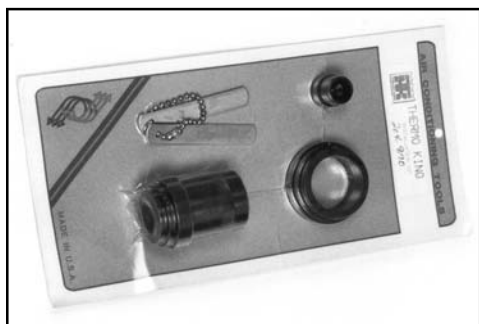
**204-805 Front seal remover and
installer**



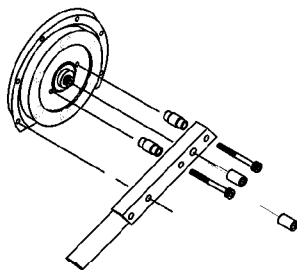
204-806 Clutch puller kit



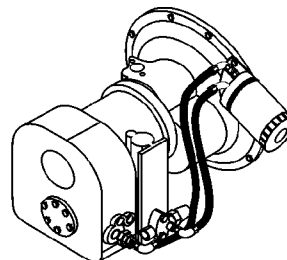
204-807 Compressor holder



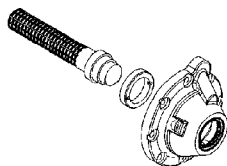
204-890 Pulley installation kit



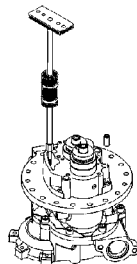
Compressor Coupler
Removal Tool 204-991



Screw Compressor
Clean-Up Kit 204-920



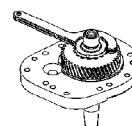
Hard Ring Installation
Tool 204-953



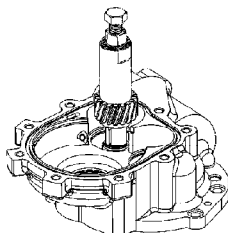
Remove Dowel Pins
Slide Hammer Tool 204-638
(Adapter Sold Separately)



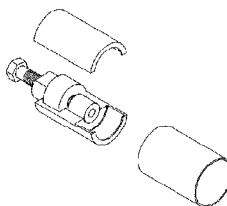
Slide Hammer Adapter
Tool 204-1019



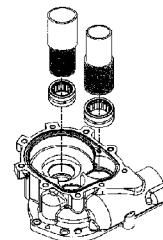
Spanner Wrench
Tool 204-1012



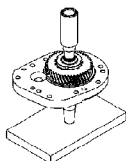
Install Driven Gear
Driven Gear Installation
Tool 204-957



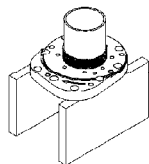
Driven Gear Puller
Tool 204-961



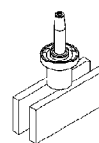
Press Bearings Into Suction Housing
Outer Bearing Race Installation Tool 204-1010



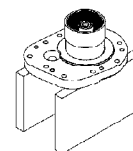
Press Bearing Race
Onto Drive Shaft
Inner Bearing Race
Installation Tool 204-1009



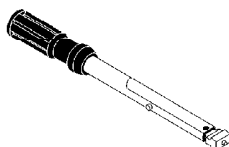
Press Bearing Into
Gear Cover
Bearing Installation
Tool 204-958



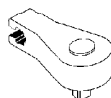
Press Drive Shaft
Out of Bearing
Bearing Removal
Tool 204-959



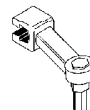
Press Bearing and
Drive Shaft Out of Gear Cover
Bearing Removal
Tool 204-960



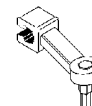
Torque Wrench
204-1006



3/8 inch Square Head
204-1003
Used with Torque
Wrench 204-1006



8 mm Socket Head
204-1001
and 6 mm Bit 204-1004
Used with Torque Wrench
Tool 204-1006



6 mm Socket Head
204-1002
and 5 mm Bit 204-1005
Used with Torque Wrench
Tool 204-1006



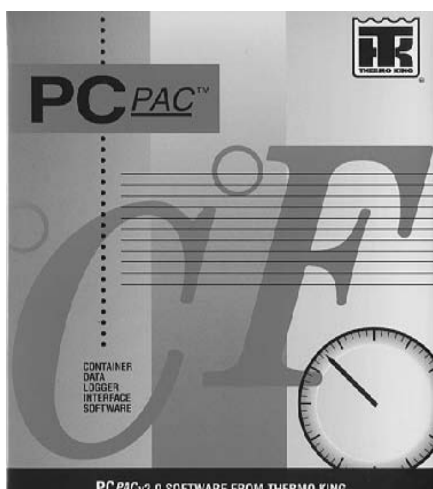
Use this TRACPAC™ software in Thermo King transport refrigeration units equipped with “Data Logger” capabilities. This software will enable you to retrieve , view, printout and store records of every trip. Together with a properly equipped IBM® compatible computer, TRACPAC™ can provide records of:

- Return air temperature
- Discharge air temperature
- Set points
- Unit operating modes
- Alarm conditions

The records can be stored electronically and printed-out, in report or graph form, as required.

204-970 TRACPAC™ software v3.4

204-971 TRACPAC™ software v3.4 upgrade



The latest version of PcPAC, the leading collection and reporting software in the container refrigeration industry.

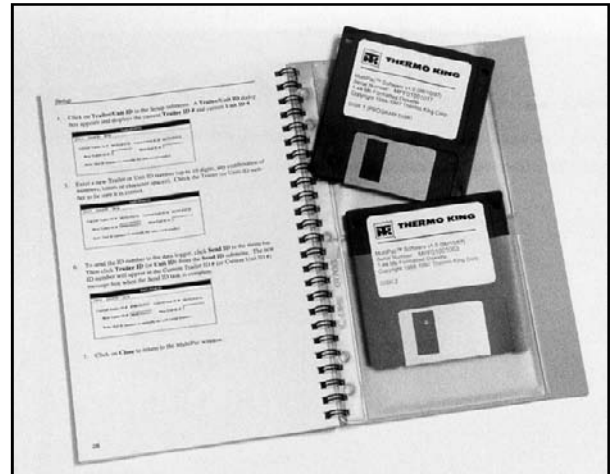
Version 2.0 of Pc-PAC software is fully compatible with (and will handle all data files produced by) previous versions of PcPAC. It is fully compatible with the following Thermo King container microprocessor controllers and data logging systems:

- uP-A+ Microprocessor Controllers
- uP-A Microprocessor Controllers
- uP Microprocessor Controllers
- SRMU Data Logging System

204-988 PcPac v3.2 complete

204-916 PcPac v3.2 upgrade

204-948 Multi-Pac software v1.0



PocketPC software for Thermo King dataloggers. A portable, cost-effective tool for downloading cargo temperatures, unit service information or even flash-loading new unit software.

204-1886 Pocket Wintrac



E

Thermo King's multilingual computer programs will train your customer's drivers in the operation of Thermo King units with Microprocessor controllers.

- 204-944 Smart Reefer for Trailer SR2**
- 204-945 Smart Reefer for Truck SR2**
- 204-946 TG-VI**
- 204-966 Multi-Temp**
- 204-979 MicroP-V**
- 204-1095 Controllers, mP-IV, V, VI, VP, TG-VI, Multi-Temp & HMI**





This kit is used to communicate, troubleshoot, flash-load & diagnose TK bus units with ClimAIRE II controllers.

Kit Includes

- PC cable,
- AC Adapter
- PC Software.

204-1094 ClimAIRE II connect kit



This kit is used to communicate, troubleshoot, flash-load & diagnose Thermo King bus units equipped with IntelligAIRE III control systems.

Kit Includes

- Software CD IntelligAIRE III
- Grid connect CD USB/CAN adapter
- USB/CAN adapter for diagnostic cable
- Flashload cable 9 pin serial to 9 pin serial
- 9 pin serial to USB adapter for flashload cable

204-1927 IntelligAIRE III CAN diagnostic

This kit is used to communicate, troubleshoot, flashload & diagnose Thermo King bus units equipped with IntelligAIRE II control systems.

Kit Includes

- Software CD IntelligAIRE II
- Diagnostic cable 9 pin serial to 5 pin deutsch
- Smart-Pac operators manual

204-1088 IntelligAIRE II Smart Pac kit



E

The DRU3 (Data retriever unit) retrieves data and log files from MPC2000 equipped container units for viewing or printing.

Computer requirements:

- PC compatible 486 (Pentium recommended)
- Microsoft Windows 3.11 or Windows95
- 4 MB memory
- 3-1/2 inch drive

204-1007 DRU3 software



Testers & Meters



The same meter used by the Thermo King Service School and Service personal.

Digital Meter features:

- Analog scale and digital readout
- Single rotary selector switch for simplicity
- Autoranging (manual ranging by pressing the button above rotary switch)
- “Touch & Hold” function - touch the leads to the circuit, wait for the beep, and the reading is locked in the display
- 0.09% basic accuracy
- Backlight display
- Measures temperature - probe included

204-1079 Digital meter



This current clamp converts the **204-1079** meter to an amp probe. Uses Hall-effect to measure DC or AC current without breaking the circuit.

- Range: 1A to 400A
- Accuracy: $\pm 2.5\%$
- Frequency responds: DC to 1.0 KHz
- Aperture size: 3/4" (19 mm) diameter
- Weight: 14 oz
- Power: 4 “AA” cells battery life: Alkaline, 30 hr. continuous; Mercury, 60 hr. continuous

204-947 DC/AC current clamp, 50/500 amp



The Thermo King AGM Battery Charger is a 50 Amp charger specifically designed for Thermo King EON & NXT batteries, and is recommended to quickly and effectively charge depleted EON batteries.

For further information, refer to Service Bulletin TT540

204-1923 AGM battery charger 50 amp

This tool will aid in diagnosing electrical problems and eliminate replacing working relays with a new relay just to troubleshoot an electrical problem. The tester provides a complete functional test to detect relay failure for both normally open or normally closed relays. The tester checks for shorted coils, open coils and bad contacts on 12V DC relays. It is a compact tester using the 12V DC available from the equipment you're working on. No need to waste time running back and forth bench testing relays when you can do it right at the work site.

204-919 12 Volt DC mini relay tester

204-951 24 Volt DC mini relay tester

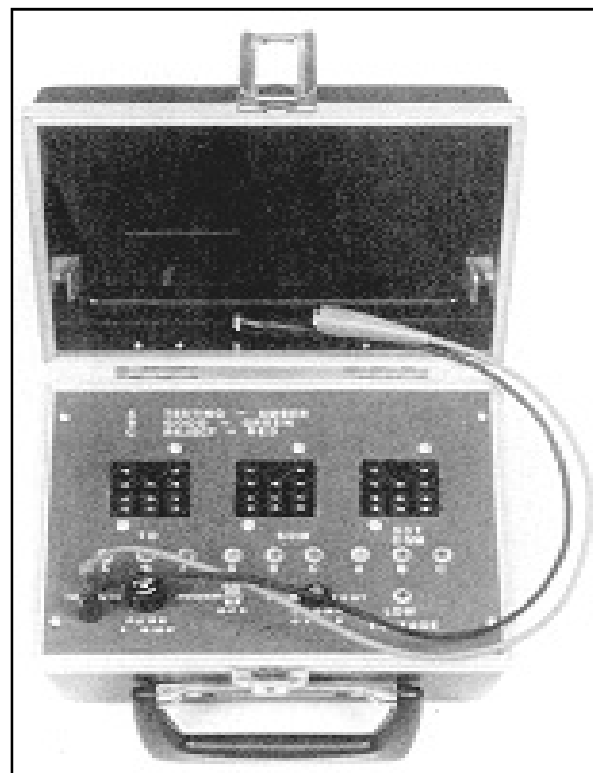


Test the starter modules and timers in Cycle-Sentry control boxes. Starter module: **44-6048, 44-6117, 44-7192** Timer: **44-6046** The tester receives power from the unit battery or the **204-572** 12V power supply.

Cycle Sentry tester features:

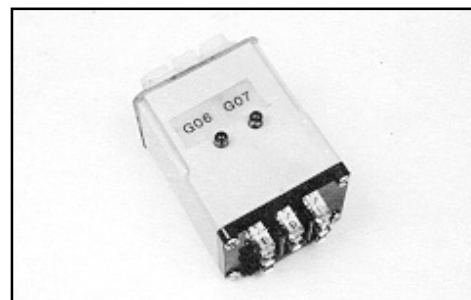
- Internal current limiting and thermo protection
- All circuit board components and board are coated for moisture protection
- Indicator light illuminates only when a module is inserted
- All indicator lights are long-life LED's
- Tester is reverse voltage protected
- Fuse protected in addition to current limiting
- Tester is equipped with large opening test clips for connecting to 12V battery.

204-571 Tester - Cycle-Sentry



Adapter for testing the Cycle Sentry IV & V module.

204-637 Adapter - Cycle Sentry



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Features :

- Tests 12 volt batteries
- Tests charging & starting system voltage
- Tests batteries from 100 to 1400 CCA
- Integrated printer
- Bad cell detection
- Reverse polarity protection
- Multi-language capability

204-1922 Battery tester

Here is a convenient 12V power supply for your test bench. Use it to power the Cycle-Sentry tester (204-571) and whenever you need 12V DC power.

Power supply features:

- Output: 13.8V DC 4.5 amp fully regulated, low ripple Input: 117V AC 60 Hz
- Electronic overload protection with instant automatic reset
- Positive and negative terminals
- On/Off switch and indicator

204-572 Power supply - 12 volt



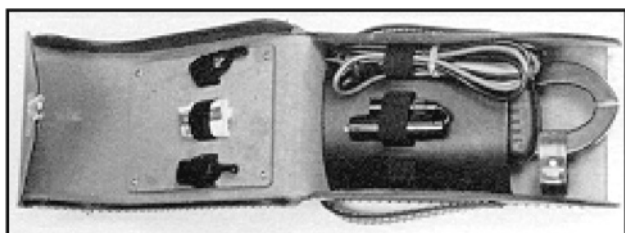
Use for measuring AC amps and voltage on standby unit. Gauge includes an ohmmeter, ammeter and voltmeter.

Amp range:

- 0 - 6
- 0 - 15
- 0 - 40
- 0 - 100
- 0 - 300

Volt range:

- 0 - 150
- 0 - 300
- 0 - 600



204-511 Amprobe - AC

This tester can check the 3 and 4 piece Thermoguard and the UE thermostat. Checks the high speed solenoid circuit, the Thermoguard's Thermac-5, and the in-range circuit.

204-518 Twin thermostat tester





Testers & Meters

The tester plugs into the control panel and puts a load on each circuit. It uses standard Thermo King parts for easy service.

204-485 Panel tester for diesel units



Test the control panel operation on utilized switch panels.

204-407 Tester - “mini” control panel

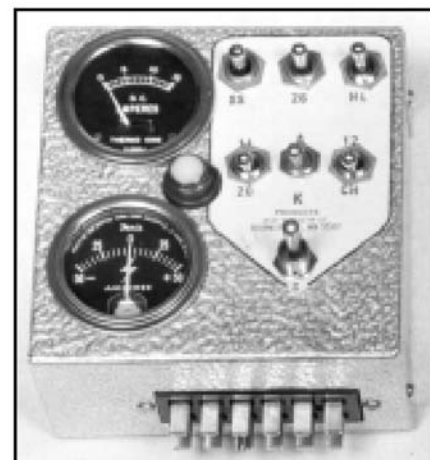


Checks 11 different circuits for shorts and partial shorts of each component. Checks current draw of glow plugs - Hard starting. Checks isolation diode on the alternator - dead battery, plus many other components.

Uses standard Thermo King parts for easy service.

For further information, refer to SPPI 0002

204-484 Circuit & component Tester, Model 15 (for diesel units)



Testers



Used for testing the TG VI controller and the uP-T controller operation. Includes a manual test mode and an automatic test mode. The manual test will test all of the key functions and the display functions. The automatic test mode will test the internal microprocessor operation. Will not test multi-temp controllers.

204-857 Tester - TG VI



Used for testing units equipped with uP-VI microprocessors. Test #1 tests the operation of the keypad and the general calibration. Test #2 tests the actual operation of the uP-V microprocessor and display.

204-998 Tester - uP VI



Used for testing micro-P truck in-cab box for proper operation. Used to test the key pad functions and all of the display functions.

204-858 Tester - uP T



Used for testing multi-temp uP IV controllers. Includes a manual test mode and an automatic test mode. The manual test will test all of the key functions and the display functions. The automatic test mode will test the internal microprocessor operation.

204-856 Tester - uP IV Multi-temp

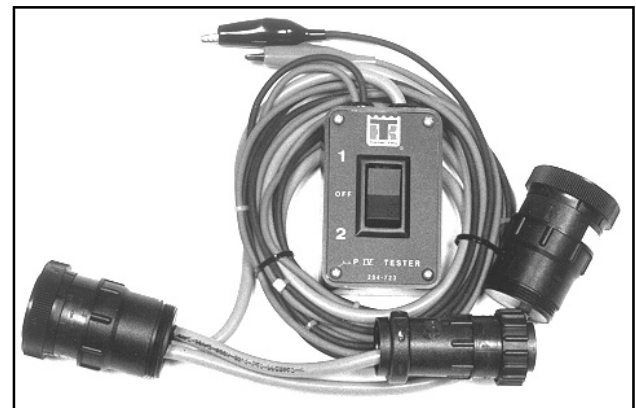
Tester for the SB-III SR and Super-II SR pc board with 8 relays. (Refer to TK 40489 Publications for instructions).

204-698 Tester - uP IV



Used for testing the uP IV controller for proper operation. Includes a manual test mode and an automatic test mode. The manual test will test all of the key functions and the display functions. The automatic test mode will test the internal microprocessor operation. Will not test multi-temp controllers.

204-723 Tester - uP IV & uP V

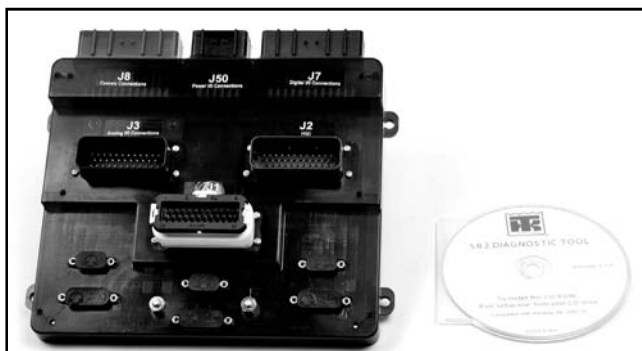


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For upgrading 204-697 tester to 204-723 and upgrade kit to update uP IV tester 204-697 to uP IV tester 204-723 specifications.

204-724 Adapter - uP IV





This is the blue tester. Allows upgrading the original black tester to be able to test all SR-2 (OT3 and higher hardware) and the SR-3.

204-1197 Module upgrade



Tester for the SR-2/SR-3 controller/interface module and the SR-2/SR-3 HMI. Includes a CD compatible with Windows based computers. Will test all SR-2/SR-3 controller, interface board and HMI. Includes all necessary cabling and software CD.

204-1930 SR-2/SR-3 Diagnostic tester



Upgrades 204-1196 (blue tester) to same level as 204-1930 SR-2/SR-3 tester.

204-1931 Module upgrade SR-3 tester



Diagnostic tool for the new T-series truck units, allows you to operate the unit at the unit, instead of in the truck cab.

204-1916 SR-2 truck diagnostic tool



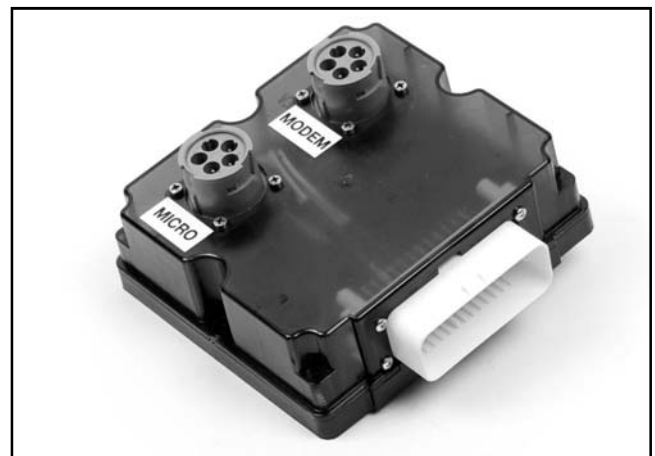
Fault code reader for the TriPac Espar heater
Refer to TriPac diagnostic manual procedure H32A.

204-1143 Fault reader Espar



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204-1150 Tester iBox & modem





204-1046 Tester valve stepper



204-1855 Tester alternator & starter



204-1082 Tester TranScan

204-1151 Converter RS485-RS232



TriPac Cable Voltage Reset Tool, refer to Service bulletin T&T397 or TriPac diagnostic manual procedure A55A

204-1152 Cable voltage reset



TranScan 6 meter screened cable thermistor probe

204-1070 Thermistor probe 6 meters



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Transcan 18 meter screened cable thermistor probe

204-1071 Thermistor probe 18 meters

