



## *Tool Catalog*

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







# **THERMO KING**

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

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### Refrigeration

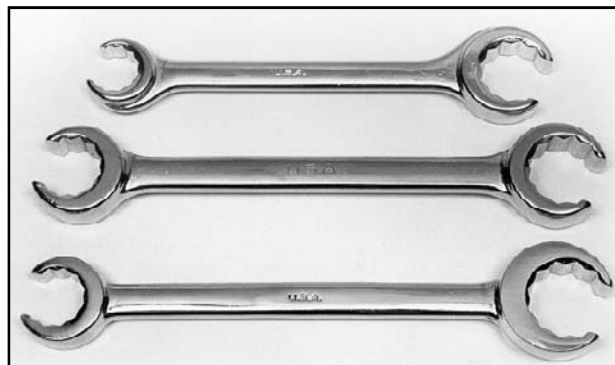
#### Hand Tools

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**

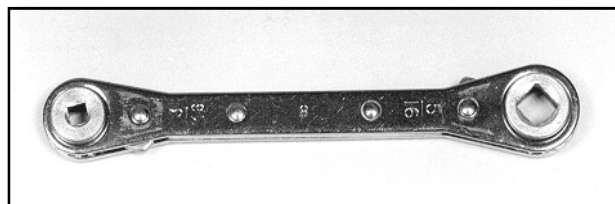
**204-101 Flare nut wrench 3/4x1**

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



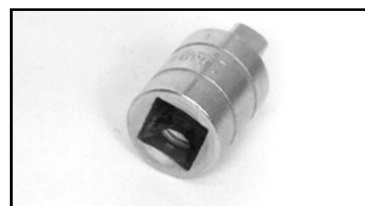
A unique socket design four-way wrench with openings for adjusting four different sizes of square stems: 3/16, 1/4, 5/16 and 3/8 square.

**204-487 Wrench - ratchet**



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

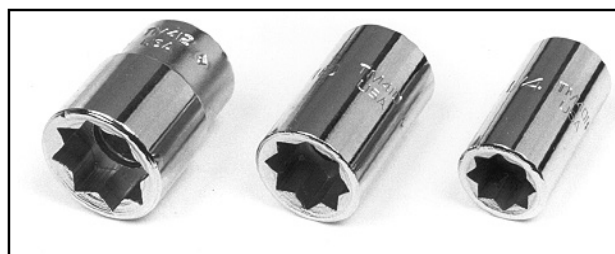


Use these 8 point sockets with tool 204-178 adapter to adapt a mechanic's 1/4" drive ratchet for adjusting refrigeration service valves.

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

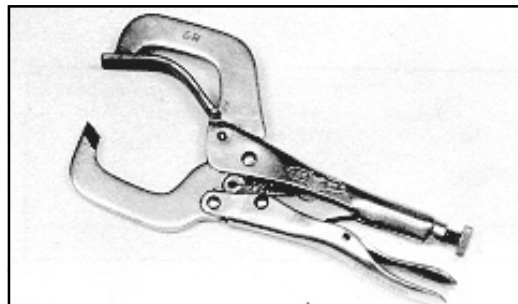
**204-190 Socket - 5/16" w/1/4" drive**

**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**



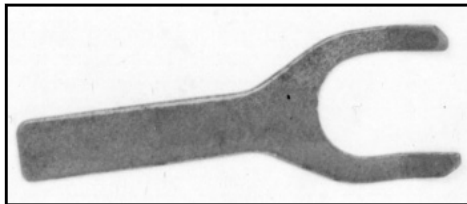




## Hand Tools

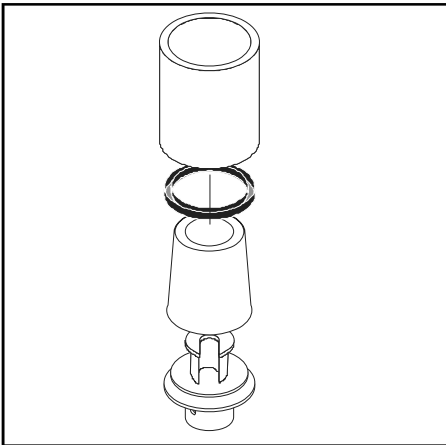
This Thermo King designed tool will manually shift the 3-way valve to cool if the valve becomes stuck on heat position (see Refrigeration System Maintenance Manual. TK5715).

### **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 vibrasorber and the 1-5/8" hex on the accumulator tank end.

### **204-962 Suction vibrasorber wrench, 2-1/16"**

### **204-491 Suction vibrasorber wrench, 2"**

### **204-492 Suction vibrasorber wrench, 1-5/8"**





### Hand Tools

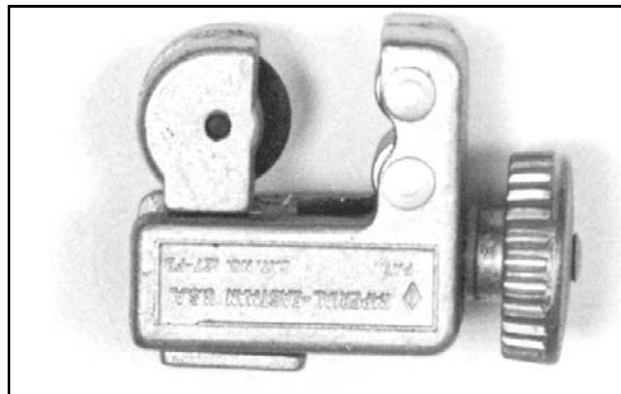
This tube cutter makes 90° cuts in copper refrigeration tubing. A foldaway reamer quickly removes burrs on the inside edge of the tube after cutting.

#### **204-116 Tube cutter**



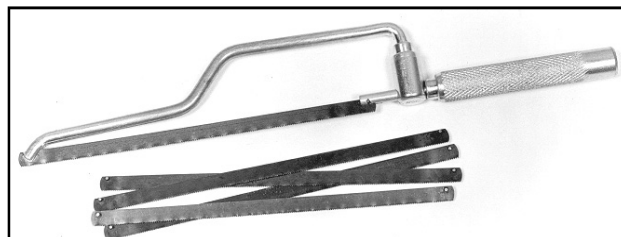
Designed for cutting in tight quarters where other cutters will not fit. Fits tubes 1/8 to 5/8" diameter, and the cutter needs only 1-1/4" swing radius of clearance

#### **204-493 Tube cutter**

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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.

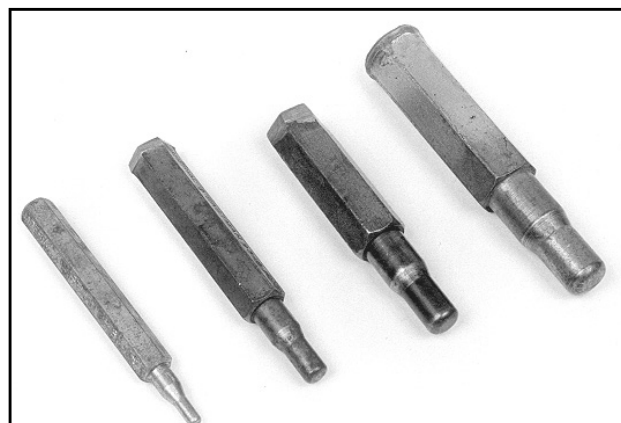
#### **204-207 Tool - swedging 1/4"**

#### **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"**

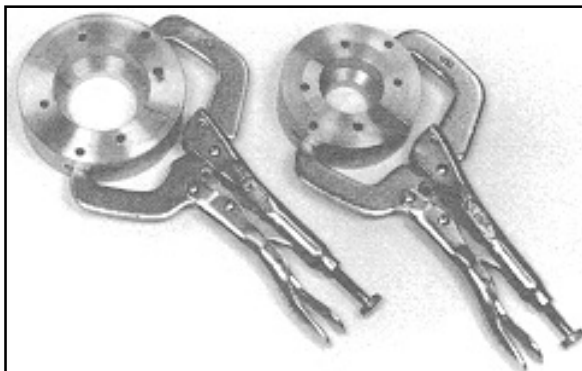
**204-112 Brush - copper tubing, 3/4"**

**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

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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.

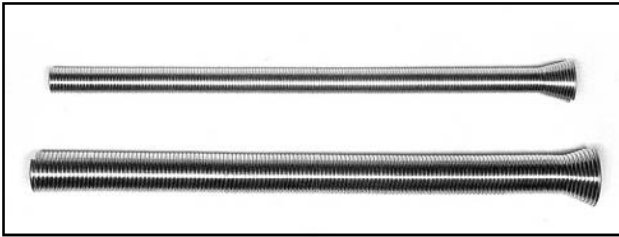
#### Features

- Maintenance free no moving parts
- Cycle repeatability within  $\pm 1^\circ\text{F}$
- Drops inlet temperature by up to  $100^\circ\text{F}$
- 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**



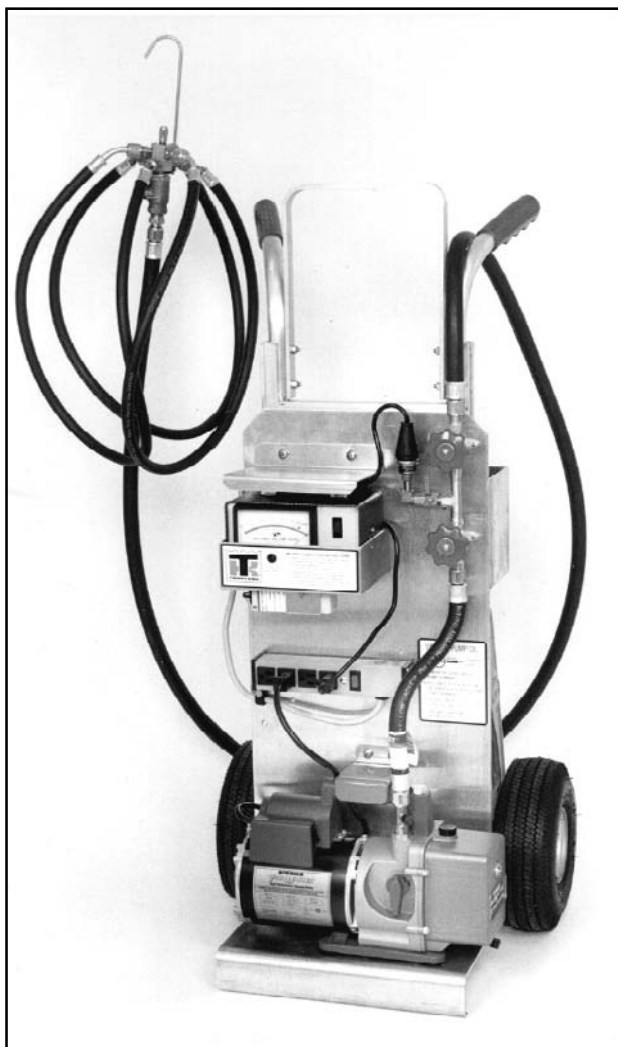
Use this tool on small truck units to remotely energize solenoids. Remove the coil and install the magnet shifting the solenoid.

**204-1074 Magnet**



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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.

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### 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:

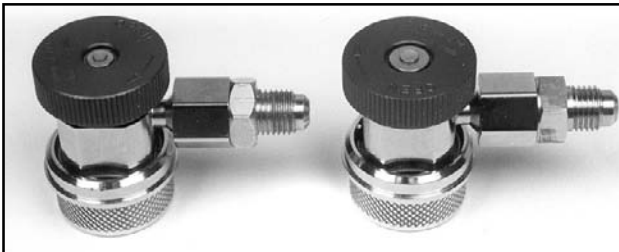
- 204-781 Stem seal kit
- 204-782 O-ring (4)
- 204-783 Hand wheel set (2)
- 204-784 Gauge - compound R134a F°
- 204-785 Gauge - pressure R134a F°
- 204-791 Coupler - discharge
- 204-792 Coupler - suction
- 204-797 Connector
- 204-850 Yellow hose 72"
- 204-851 Red hose 72"
- 204-852 Blue hose 72"

## 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



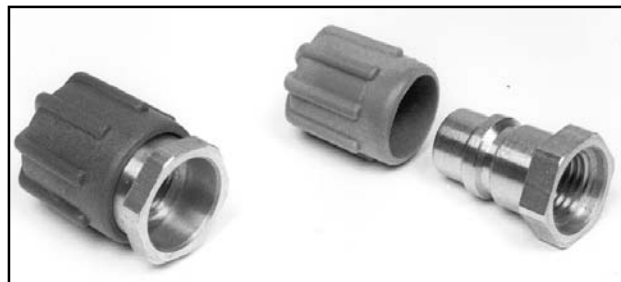


Adapter for retrofitting units with 1/4 inch male flare fitting to 1/2 inch male Acme thread fitting. The adapter features a unique valve depressor which allows the schrader valve in the flare fitting to continue to function. Includes color coded, O-ring sealing cap.

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

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

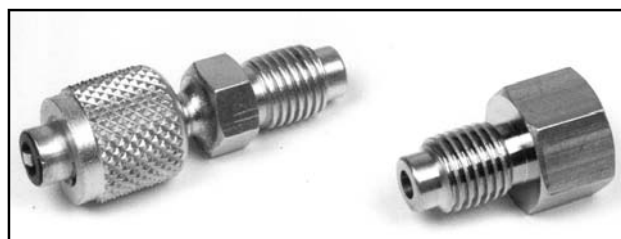
**66-7181 Adapter - suction, (w/valve, blue cap)**



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

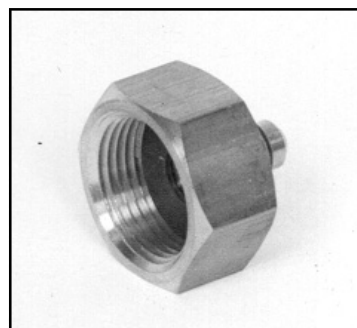
Adapts a 1/4" charging hose to a Schrader valve fitting.

**204-679 Adapter fitting**

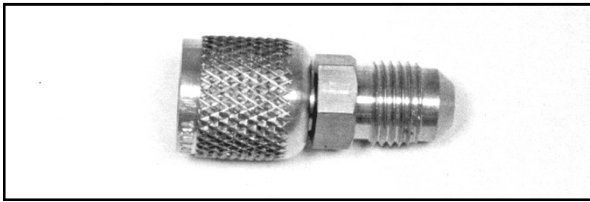


Adapts the 3/4" fpt thread size on the refrigerant drum to a 1/4" charging hose. (Gasket included)

**204-169 Adapter - refrigeration drum**

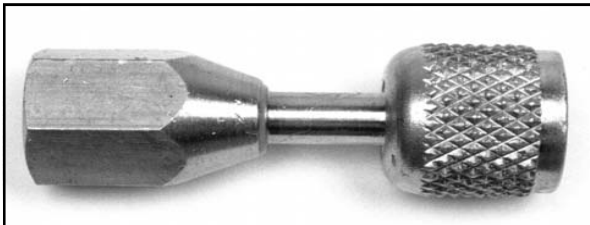






Use this adapter to adapt a 1/4" hose to a gauge manifold which has been reworked with coupling 55-5093

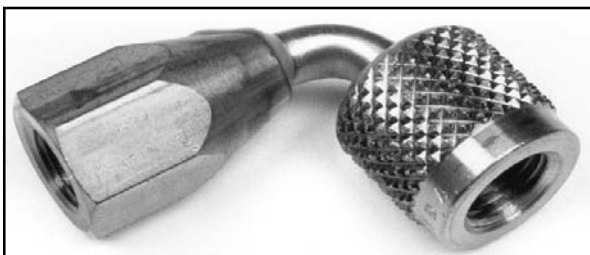
**204-538 Adapter**



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.

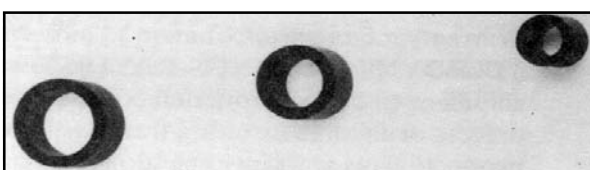
**204-827 Quickcoupler 1/4 straight x 1/4 mfl**

**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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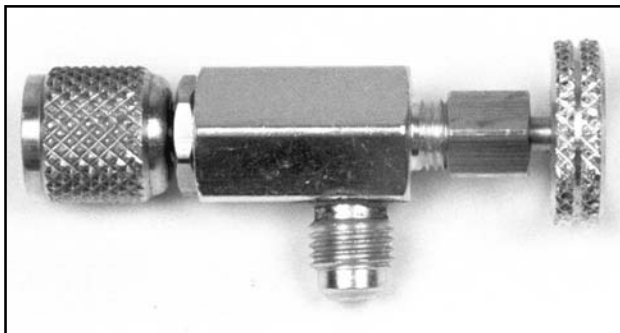




## Hand Valves

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**

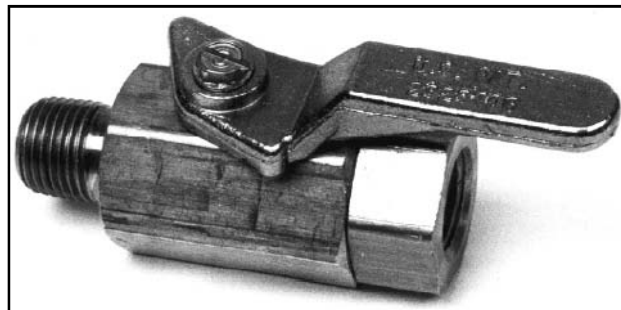




### Vacuum/Charging Valves

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"**



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#### **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  $2200^{\circ}\text{F}$  ( $-210$  to  $1200^{\circ}\text{C}$ )
- 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



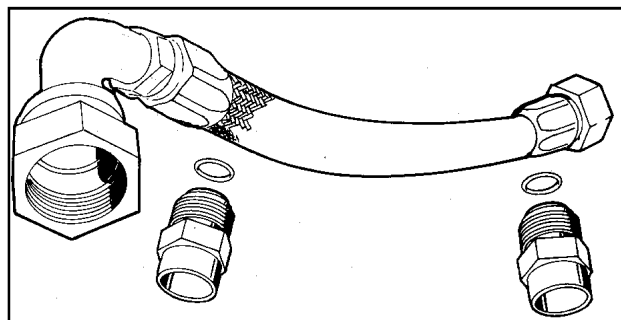
R

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

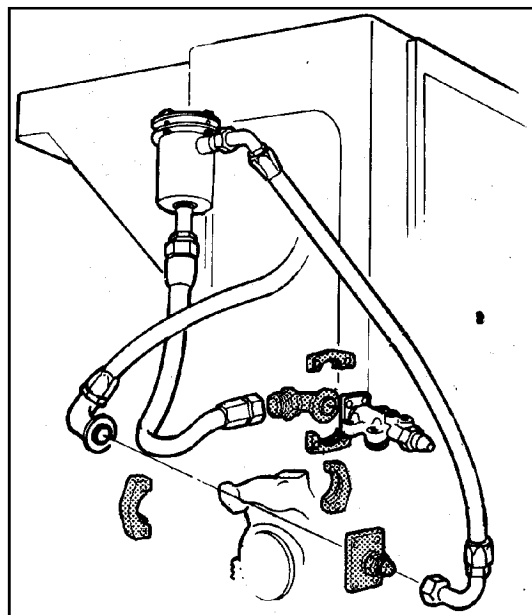
Replacement Parts:

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



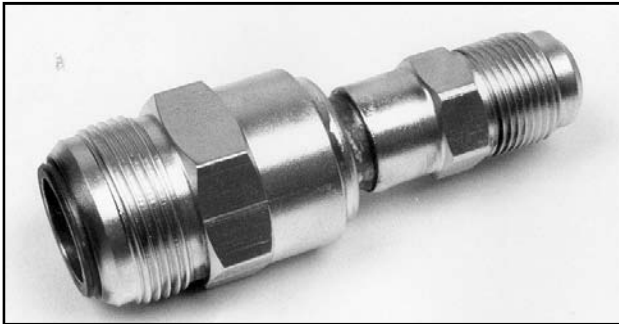
Use this adapter set along with dehydrator (204-498) along with hose and fittings set (204-499) on SNWD and SB-I units with flange style suction valves (see Parts Bulletin #617 TK 7535 for more information).

#### 204-539 Adapter set - suction dehydrator





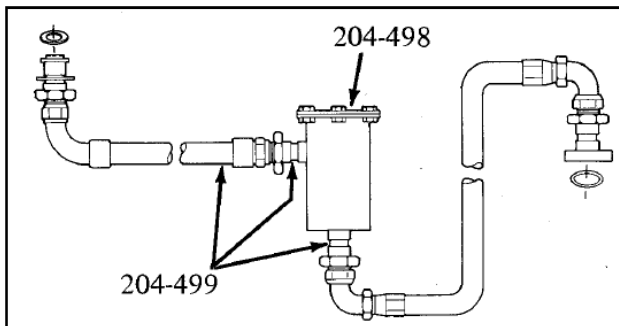
## Suction Filter Kits



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**

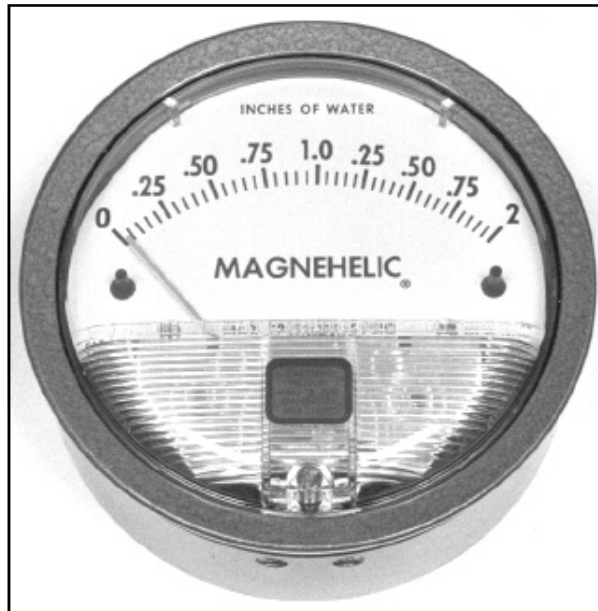




### Magnehelic Pressure Gauge

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**



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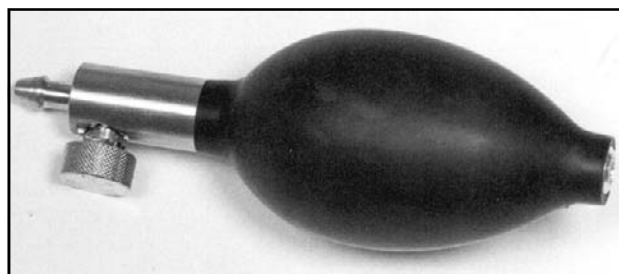
Kit includes a bracket for mounting the magnehelic gauge, 3/16" rubber hose and a syringe for applying pressure to the air switch. Use with magnehelic pressure gauge 204-442.

#### **204-497 Accessory kit for air switches**



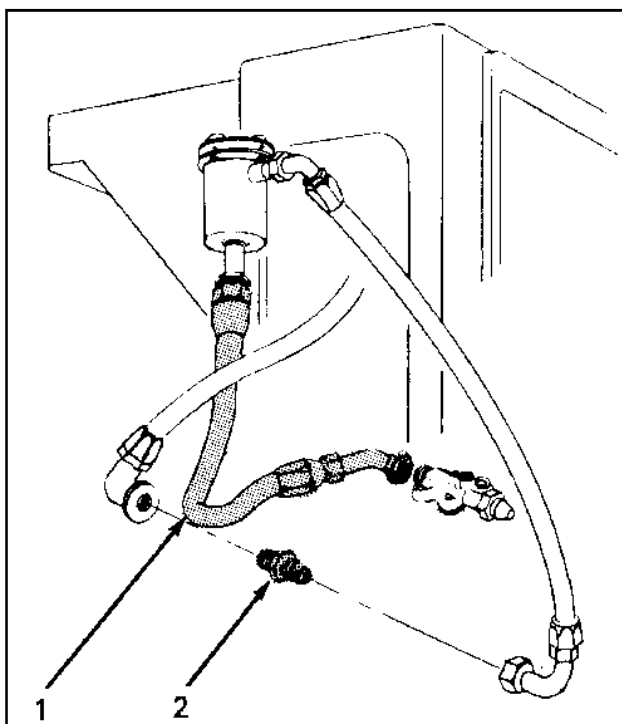
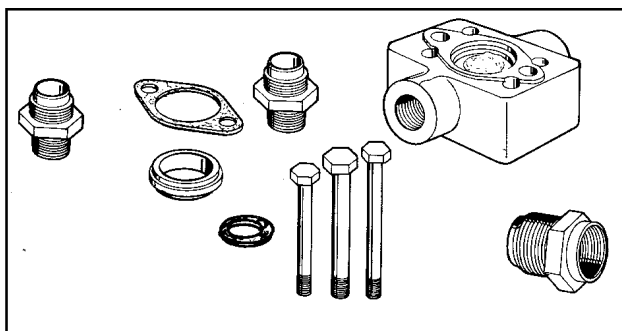
This squeeze bulb applies even air pressure to the defrost switch. It avoids putting the air hose in your mouth to apply pressure. Use with magnehelic pressure gauge 204-442.

#### **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





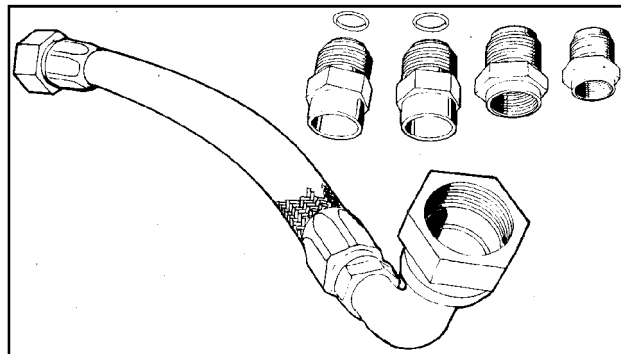
### Suction Filter Kits

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

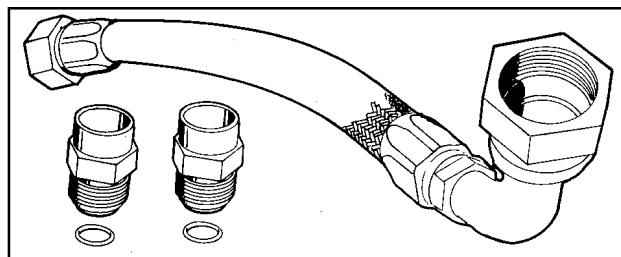


Use on buses with #20 vibrasorber, use with **204-498**.

#### 204-502 Hose & vibrasorber - bus

Replacement parts:

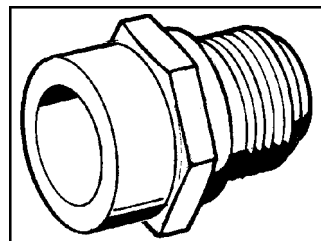
66-3108	Hose - 5 ft, R-22 compatible	1
66-795	Fitting - 1-3/8 sol x #20 male	2
33-544	O-ring	4



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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

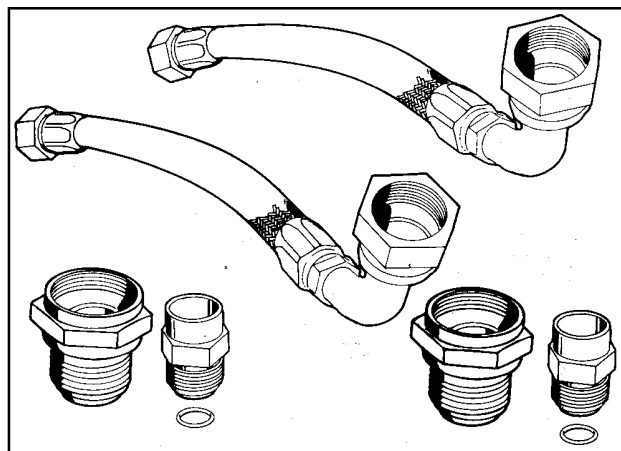


An alternative method for buses with #24 vibrasorbers, require filter **204-498**.

#### 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



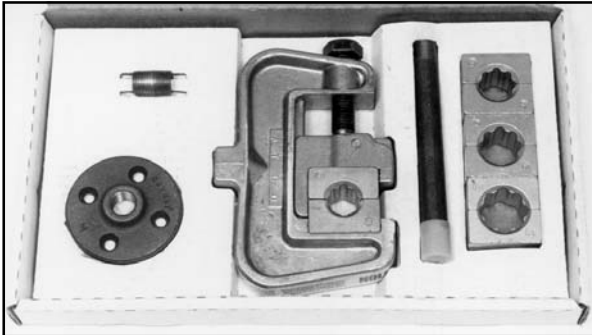




Don't use a knife or a saw to cut refrigerant hoses! This heavy duty cutter makes a quick, clean, 90° cut. Features a replaceable stainless steel blade.

**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

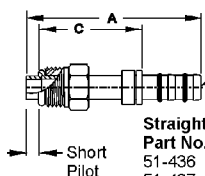


# THERMO KING

World Leader in Transport Temperature Control

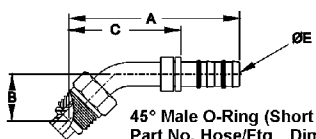
# TK 2000 Speedy Clip System

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



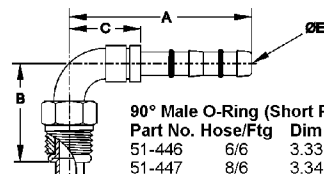
**Straight Male O-Ring (Short Pilot)**

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



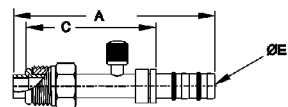
**45° Male O-Ring (Short Pilot)**

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)**

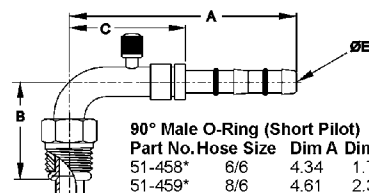
Part No.	Hose/Ftg	Dim A	Dim B	Dim C	ØE	Thread Size
51-446	6/6	3.33	1.77	1.80	.22	5/8-18
51-447	8/6	3.34	1.77	1.80	.32	5/8-18
51-448	8/8	3.77	2.31	2.23	.32	3/4-18
51-449	10/8	3.78	2.31	2.23	.37	3/4-18
51-452	10/10	4.22	2.45	2.67	.37	7/8-18
51-450	10/10	4.24	2.45	2.67	.37	7/8-18
51-451	12/12	4.22	2.79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

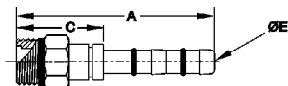
\*High Side Port  
\*\*Low Side Port



**90° Male O-Ring (Short Pilot)**

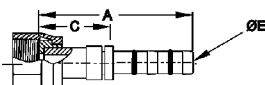
Part No.	Hose Size	Dim A	Dim B	Dim C	ØE	Thread Size
51-458*	6/6	4.34	1.75	2.82	.22	5/8-18
51-459*	8/6	4.61	2.31	3.07	.32	3/4-18
51-460*	10/10	4.81	2.34	3.25	.37	7/8-18
51-461**	10/10	4.81	2.34	3.25	.37	7/8-18
51-462**	10-10	4.81	2.34	3.25	.37	7/8-18

\*High Side Port  
\*\*Low Side Port



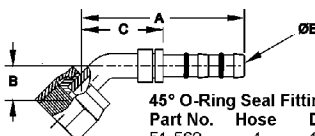
**Straight Male MIO (Male Insert O-Ring)**

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



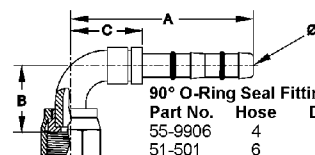
**Straight O-Ring Seal Fitting**

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



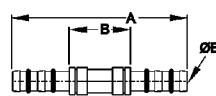
**45° O-Ring Seal Fitting**

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



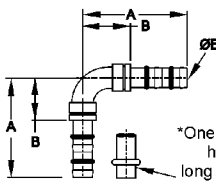
**90° O-Ring Seal Fitting**

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**

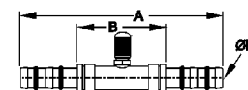
Part No.	Hose	Dim A	Dim B	ØE
51-532	6	4.63	1.58	.22
51-533	8	4.76	1.68	.32
51-534	10	5.68	2.58	.37
51-535	12	4.72	1.57	.47



**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



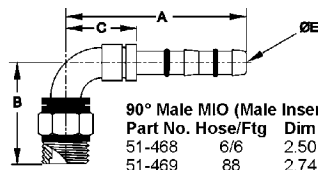
**Splice with Charging Port (7/16-20)**

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

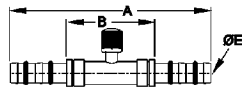
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**90° Male MIO (Male Insert O-Ring)**

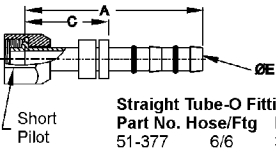
Part No.	Hose/Ftg	Dim A	Dim B	Dim C	ØE	Thread Size
51-468	6/6	2.50	1.44	0.98	.22	5/8-18
51-469	8/8	2.74	1.82	1.20	.32	3/4-18
51-471	10/8	2.75	1.82	1.20	.37	3/4-18
51-470	10/10	3.09	2.13	1.54	.37	7/8-18



**Splice with R134a Port**

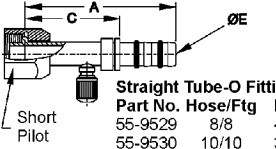
Part No.	Hose	Dim A	Dim B	ØE
51-542*	6	5.41	2.36	.22
51-543*	8	5.61	2.52	.32
51-544*	10	5.54	2.44	.37
51-546**	10	5.54	2.44	.37
51-545*	12	5.60	2.44	.47
51-547**	12	5.60	2.44	.47
51-1677**	16	6.81	3.47	.65

\*High Side Port  
\*\*Low Side Port



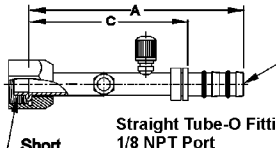
**Straight Tube-O Fitting**

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



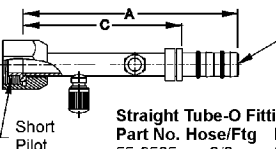
**Straight Tube-O Fitting with Charging Port**

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



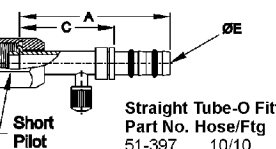
**Straight Tube-O Fitting with R134a Discharge (high) Port and 1/8 NPT Port**

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



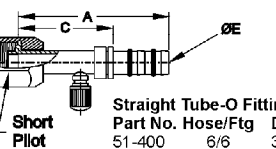
**Straight Tube-O Fitting with Charging Port and 1/8 NPT Port**

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



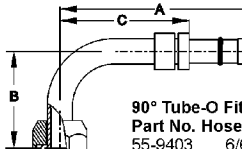
**Straight Tube-O Fitting with R134a Suction (low) Side Port**

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



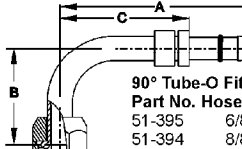
**Straight Tube-O Fitting with R134a Discharge (high) Side Port**

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



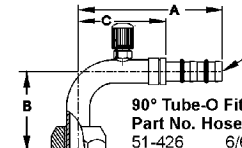
**90° Tube-O Fitting (Short Pilot)**

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

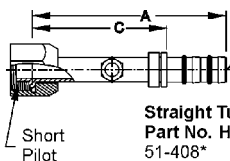
\*45° Port  
Rotation

\*\*90° Port  
Rotation

\*\*\* M12x1.25

Charging Port

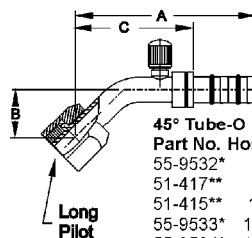




**Straight Tube-O Fitting with 7/16-20 Port**

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

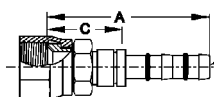
\* With M10-1.25 Port  
\*\* With M12-1.25 Port



**45° Tube-O Fitting**

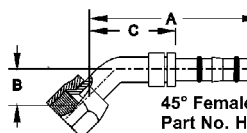
Part No.	Hose/Ftg	Dim A	Dim B	Dim C	ØE	Thread Size
55-9532*	8/8	4.51	.83	2.96	.32	3/4-16
51-417**	8/8	4.43	.73	2.40	.32	3/4-16
51-415**	10/8	4.61	.80	2.67	.37	3/4-16
55-9533*	10/10	4.27	.91	2.72	.37	7/8-14
55-9534*	12/10	4.25	.91	2.68	.47	7/8-14
51-416**	12/10	4.73	.89	2.67	.47	7/8-14
51-1142	16/10	4.89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



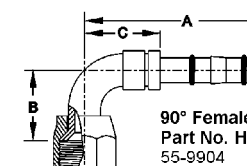
**Female SAE 45° Flare**

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



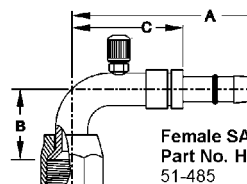
**45° Female Elbow 45° Flare**

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



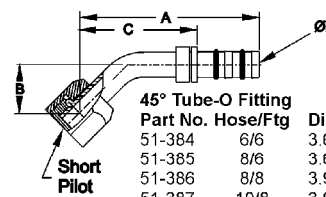
**90° Female Elbow 45° Flare**

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



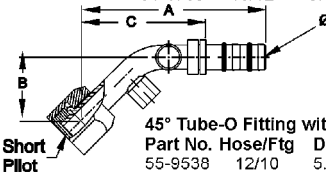
**Female SAE 45° With High Side Charging Port - 90° Elbow**

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



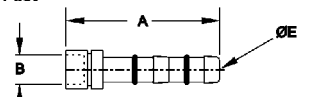
**45° Tube-O Fitting**

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



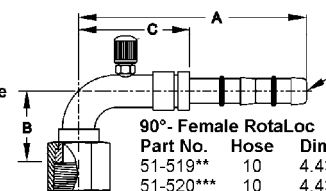
**45° Tube-O Fitting with Charging Port and 1/8 NPT Port**

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)**

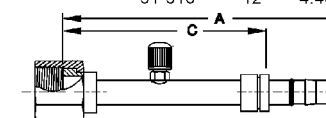
Part No.	Hose	Dim A	Tube od	ØE
51-649	6	2.00	.38	.22
51-650	8	2.00	.38	.32
51-651	8	2.00	.50	.32
51-652	10	2.00	.50	.37
51-653	10	2.00	.63	.37
51-654	12	2.06	.63	.47
51-655	16	2.11	.75	.47



**90° Female RotaLoc**

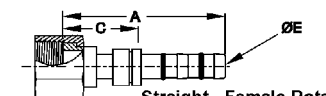
Part No.	Hose	Dim A	Dim B	Dim C	ØE	Thread Size
51-519**	10	4.43	2.58	2.88	.37	1-14
51-520***	10	4.43	2.55	2.88	.37	1-14
51-518*	12	4.48	2.58	2.88	.47	1-14

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



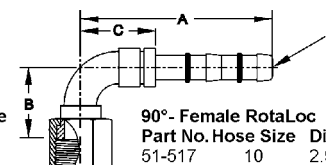
**Straight - Female RotaLoc**

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**

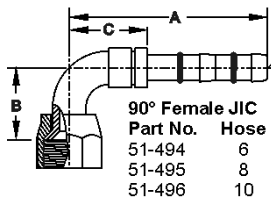
Part No.	Hose Size	Dim A	Dim B	Dim C	ØE	Thread Size
51-516	10	3.69	-	2.14	.37	1-14



**90° Female RotaLoc**

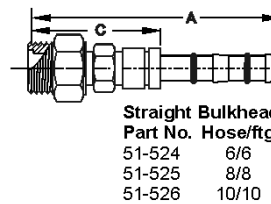
Part No.	Hose Size	Dim A	Dim B	Dim C	ØE	Thread Size
51-517	10	2.98	1.52	1.43	.37	1-14





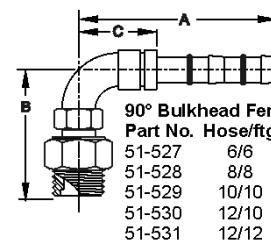
**90° Female JIC**

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



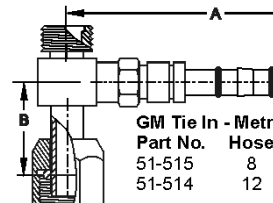
**Straight Bulkhead Female Tubo**

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



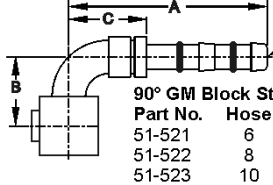
**90° Bulkhead Female Tubo**

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



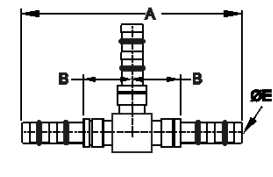
**GM Tie In - Metric Tee**

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



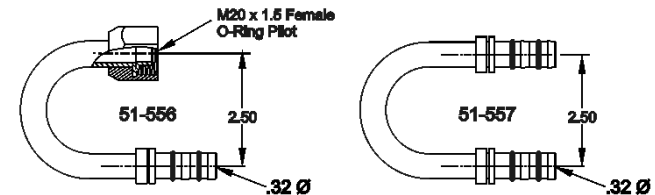
**90° GM Block Style**

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	-

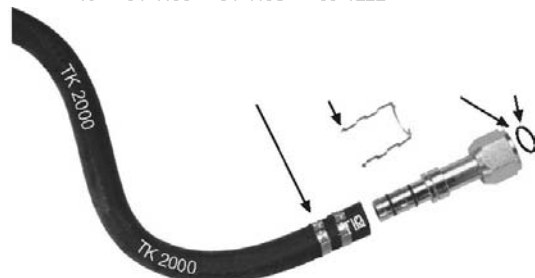


**"T" Splice - 3 Hose Connection**

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**

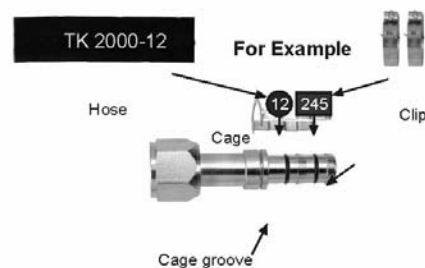
	#4 Hose	#6 Hose	#8 Hose	#10 Hose	#12 Hose	#16 Hose
50 ft	-	61-617	61-627	61-637	61-643	61-3047 (30 ft)
300 ft	67-1782	67-1708	67-1709	67-1710	67-1711	67-2192

**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**



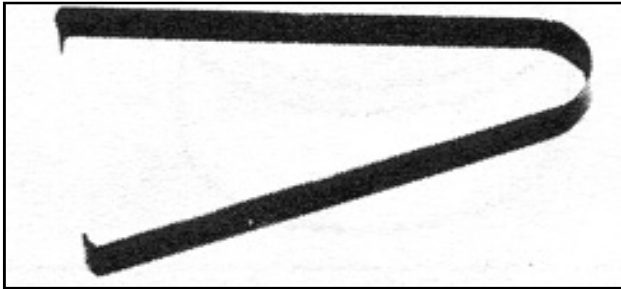
This handy carry case includes a clip pliers, hose cutter with a spare blade, and several sets cages and clips in sizes #6, 8, 10 & 12.

**204-1044 TK2000 hose set**

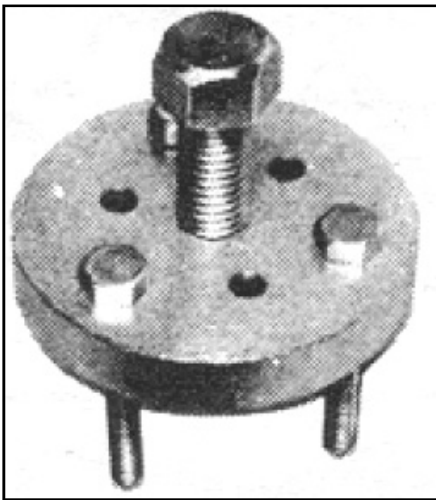




**Sanden Compressor Tools  
(used on TNT, CB and STB)**



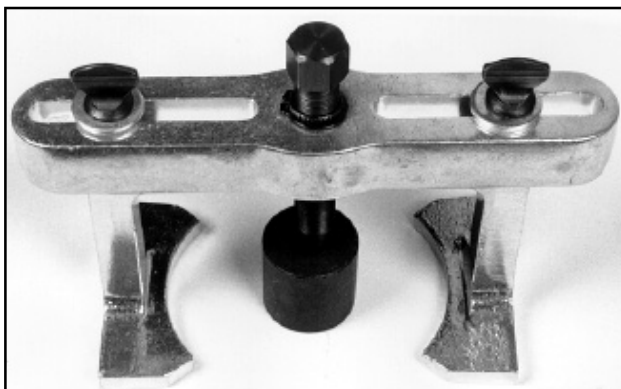
**204-558 Seal retainer**



**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.

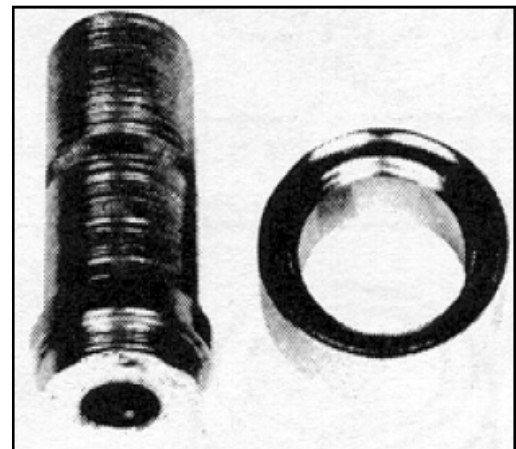
**204-551 Clutch front plate spanner**



**204-554 Dipstick**

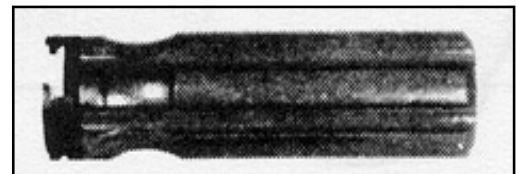


**204-555 Clutch rotor installer set**

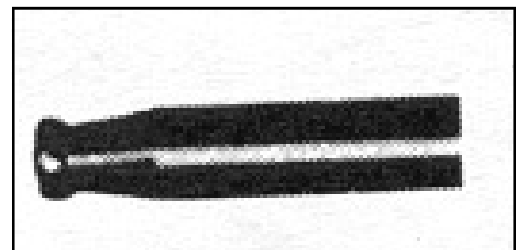


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**204-556 Seal remover and installer**



**204-557 Seal sleeve protector**





## TK Compressor Tools



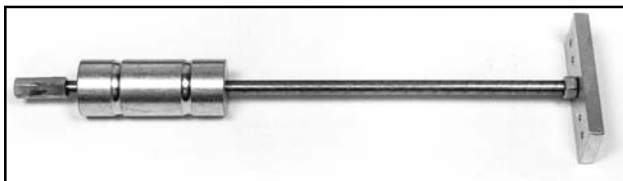
Quickly installs and removes the check valve from the X426 & X430 compressor.

### **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**



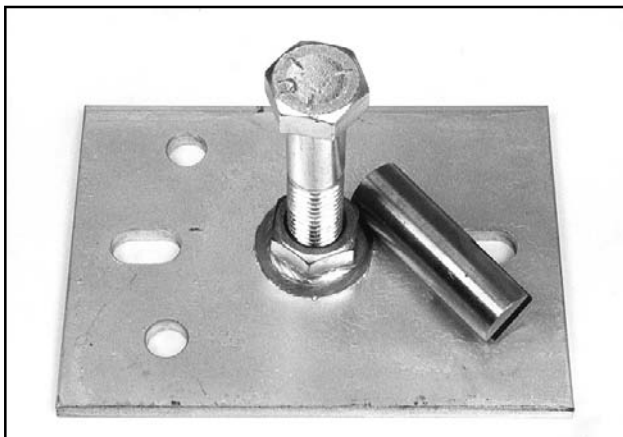
Attach this tool to the oil pump cover and pull the bearing plate loose without damage. The other end of the puller will pull the shaft from closed end belt idler pulleys.

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

Replacement parts

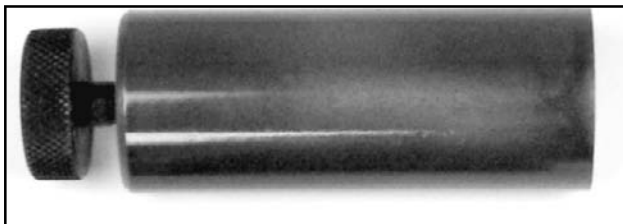
204-639 Plate

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.

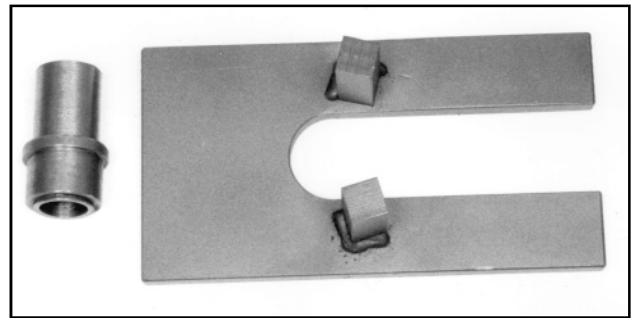
### **204-995 Compressor seal installer**





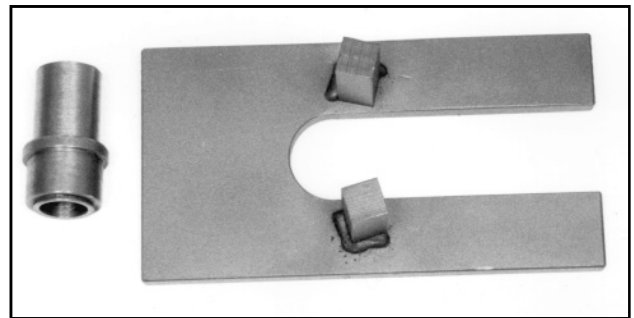
Compressor bearing puller for X430, X426 and X214 compressors. Use a hydraulic press to remove the ball bearings from compressor crankshaft without damaging shaft.. Thermo King recommends rebuilding with new bearing

### **204-1000 Compressor bearing puller**



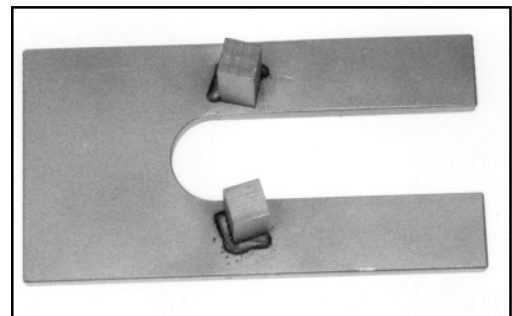
Compressor bearing puller for X640 compressors. Use a hydraulic press to remove the ball bearings from compressor crankshaft without damaging shaft. Thermo King recommends rebuilding with new bearing

### **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**

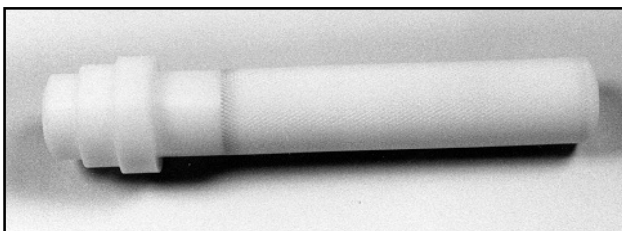


Align the compressor coupling on to the compressor crankshaft. Refer to Service Bulletin T & T 189 for further information.

### **204-972 Keyway tool**

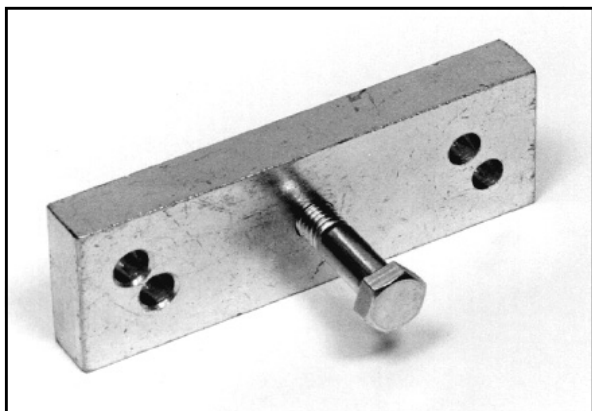






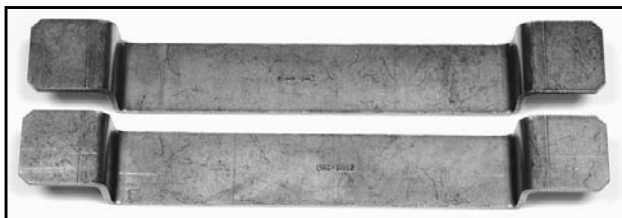
Installer for the 1.0 or 1.188 inch stainless steel bellow seal. This tool is designed so it will not touch the polished surface of the seal.

**204-953 Seal installer**



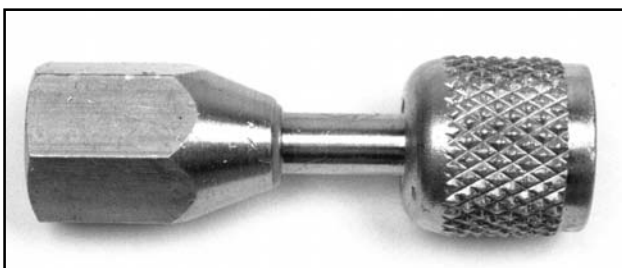
Removes the drive coupling from the compressor crankshaft. Attach to the coupling and turn the screw against the end of the crankshaft. This puller will also remove the OM636 camshaft.

**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**



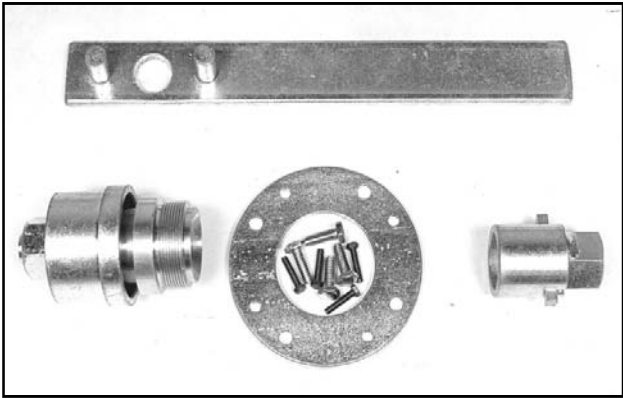
C

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**

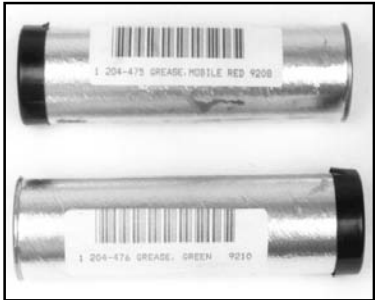
Replacement parts for 204-1130 clutch puller.

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**



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## DKS-26 Compressor Tools



**204-680 Holder - drive plate**



**204-681 Puller - drive plate**



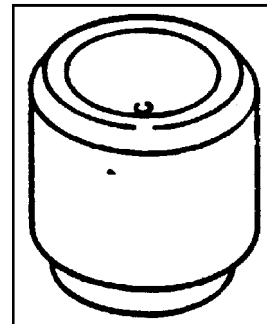
**204-682 Nut wrench**



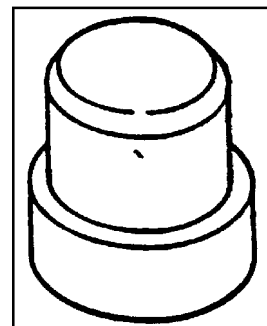


### DKS-26 Compressor Tools

**204-693 Puller - center pulley**

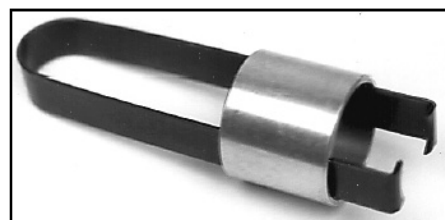


**204-684 Installer - pulley**



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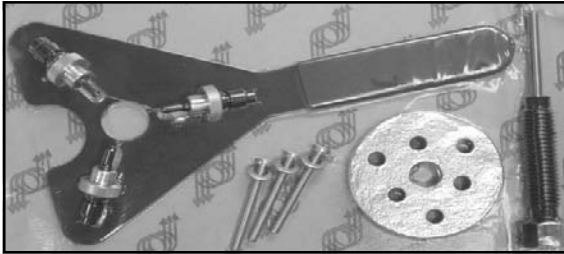
**204-685 Remover - seal seat**



**204-686 Remover - seal shaft**

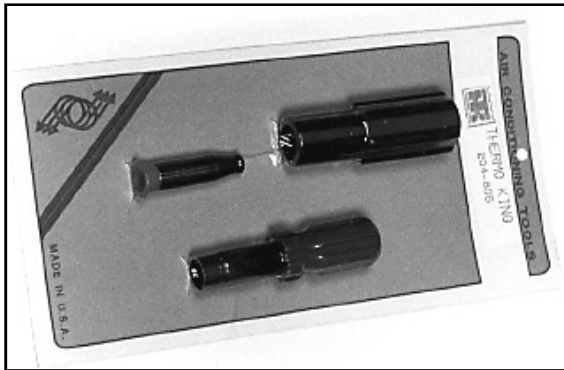




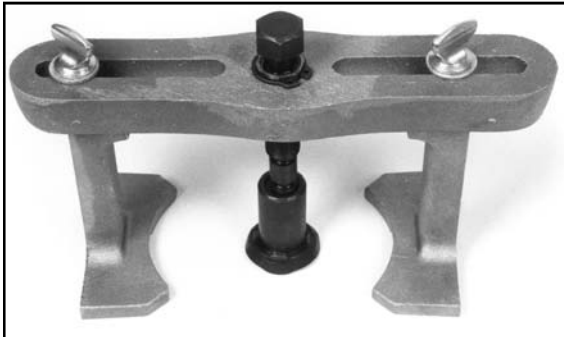


**Seltec Compressor Tools  
DKS 15 CH**

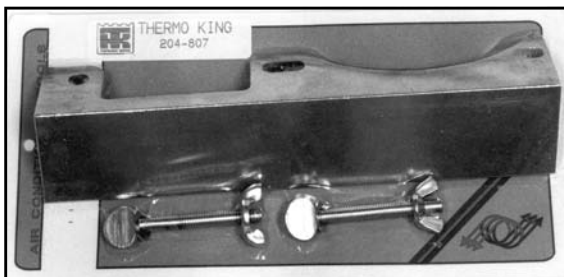
**204-804 Puller arbor**



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



**204-806 Clutch puller kit**

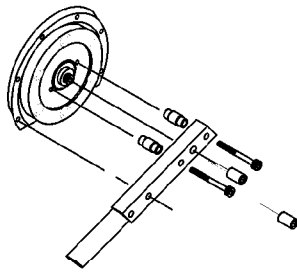


**204-807 Compressor holder**

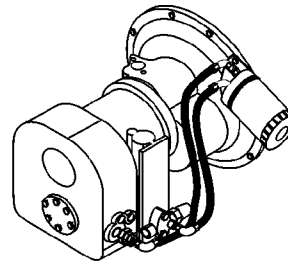


**204-890 Pulley installation kit**

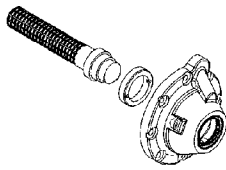




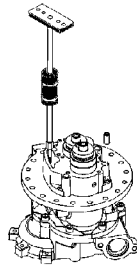
Compressor Coupler  
Removal Tool 204-991



Screw Compressor  
Clean-Up Kit 204-920



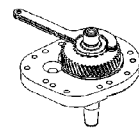
Hard Ring Installation  
Tool 204-953



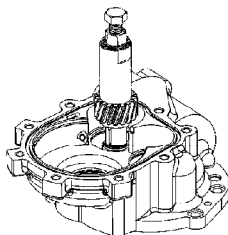
Remove Dowel Pins  
Slide Hammer Tool 204-638  
(Adapter Sold Separately)



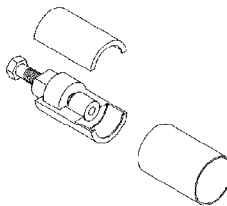
Slide Hammer Adapter  
Tool 204-1019



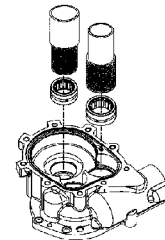
Spanner Wrench  
Tool 204-1012



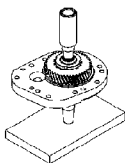
Install Driven Gear  
Driven Gear Installation  
Tool 204-957



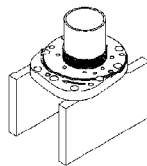
Driven Gear Puller  
Tool 204-961



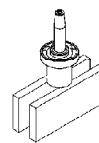
Press Bearings Into Suction Housing  
Outer Bearing Race Installation Tool 204-1010



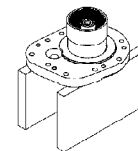
Press Bearing Race  
Onto Drive Shaft  
Inner Bearing Race  
Installation Tool 204-1009



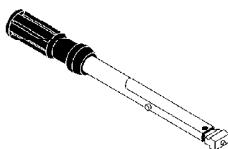
Press Bearing Into  
Gear Cover  
Bearing Installation  
Tool 204-958



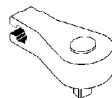
Press Drive Shaft  
Out of Bearing  
Bearing Removal  
Tool 204-959



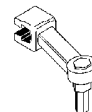
Press Bearing and  
Drive Shaft Out of Gear Cover  
Bearing Removal  
Tool 204-960



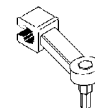
Torque Wrench  
204-1006



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





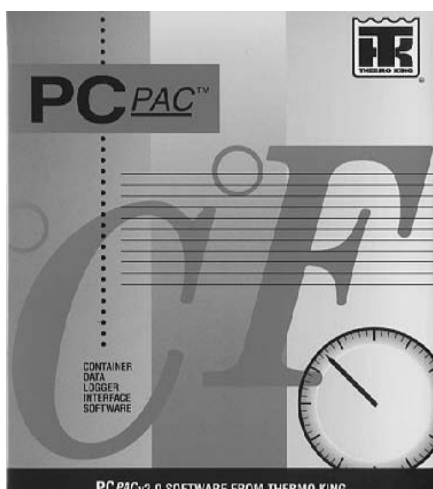
Use this TRACPAC™ software in Thermo King transport refrigeration units equipped with “Data Logger” capabilities. This software will enable you to retrieve , view, printout and store records of every trip. Together with a properly equipped IBM® compatible computer, TRACPAC™ can provide records of:

- 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:

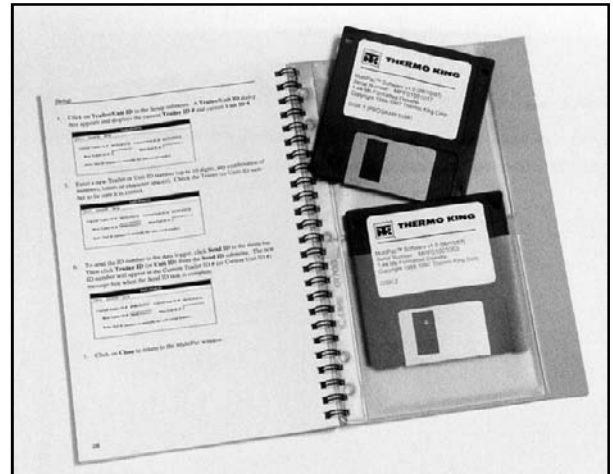
- uP-A+ Microprocessor Controllers
- uP-A Microprocessor Controllers
- uP Microprocessor Controllers
- SRMU Data Logging System

**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



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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**



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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

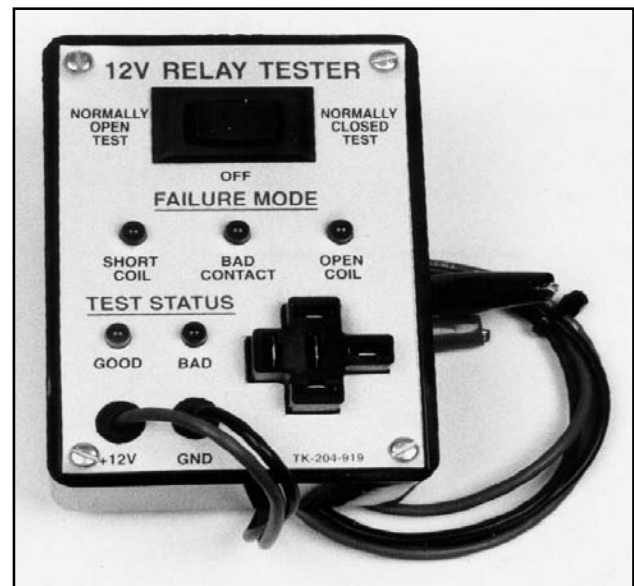




This tool will aid in diagnosing electrical problems and eliminate replacing working relays with a new relay just to troubleshoot an electrical problem. The tester provides a complete functional test to detect relay failure for both normally open or normally closed relays. The tester checks for shorted 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**

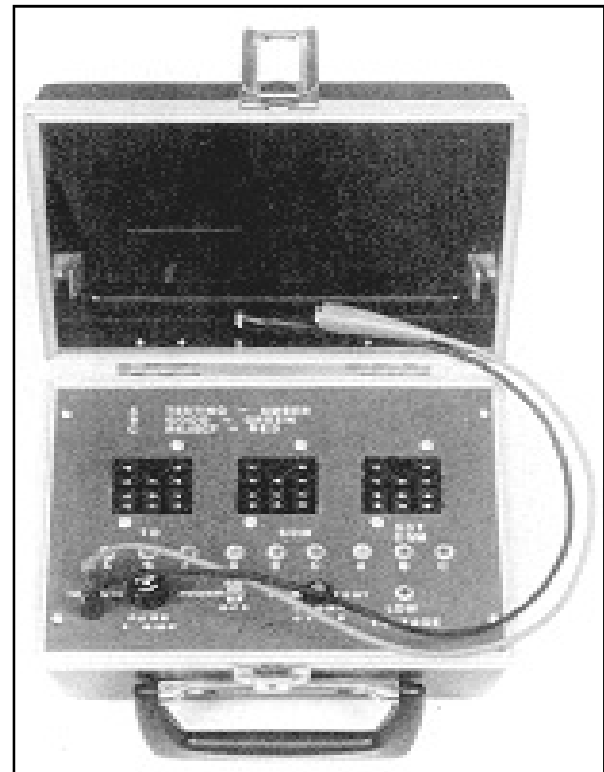


Test the starter modules and timers in Cycle-Sentry control boxes. Starter module: **44-6048, 44-6117, 44-7192** Timer: **44-6046** The tester receives power from the unit battery or the **204-572** 12V power supply.

### Cycle Sentry tester features:

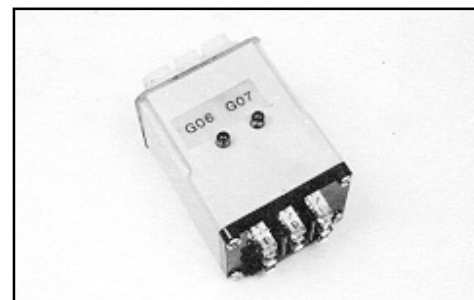
- Internal current limiting and thermo protection
- All circuit board components and board are coated for moisture protection
- Indicator light illuminates only when a module is inserted
- All indicator lights are long-life LED's
- Tester is reverse voltage protected
- Fuse protected in addition to current 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**







## 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



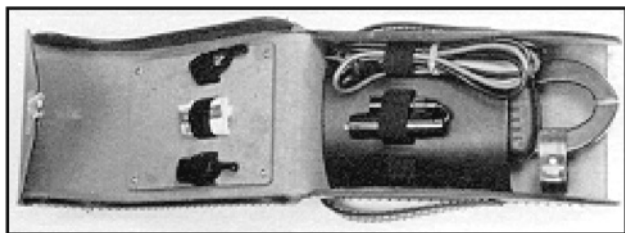
Use for measuring AC amps and voltage on standby unit. Gauge includes an ohmmeter, ammeter and voltmeter.

## 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**

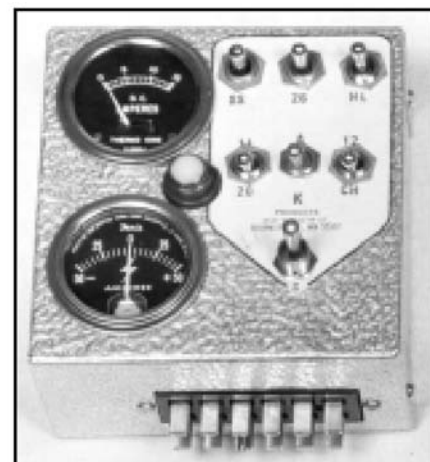


Checks 11 different circuits for shorts and partial shorts of each component. Checks current draw of glow plugs - Hard starting. Checks isolation diode on the alternator - dead battery, plus many other components.

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





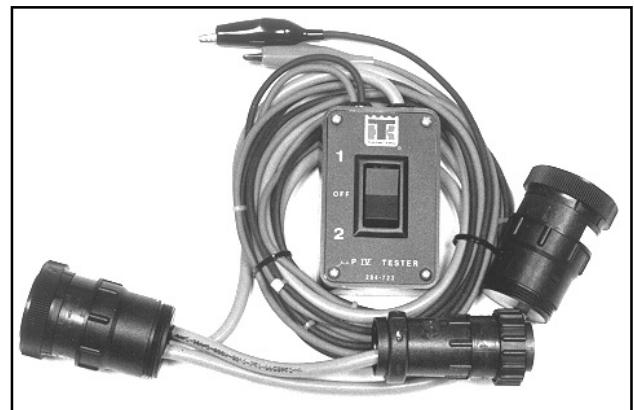
Tester for the SB-III SR and Super-II SR pc board with 8 relays. (Refer to TK 40489 Publications for instructions).

### **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**



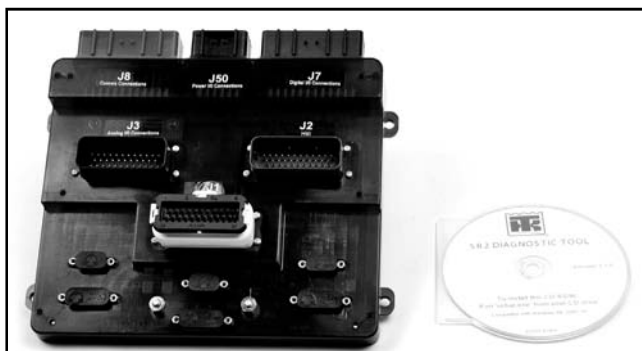
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For upgrading 204-697 tester to 204-723 and upgrade kit to update uP IV tester 204-697 to uP IV tester 204-723 specifications.

### **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**



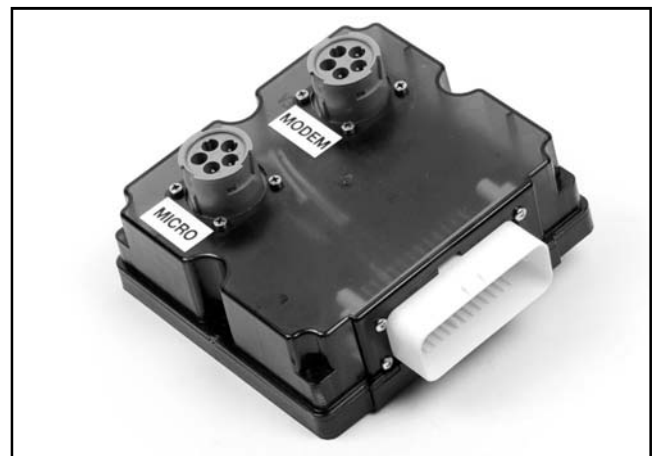
Fault code reader for the TriPac Espar heater  
Refer to TriPac diagnostic manual procedure H32A.

### **204-1143 Fault reader Espar**



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### **204-1150 Tester iBox & modem**







**204-1046 Tester valve stepper**



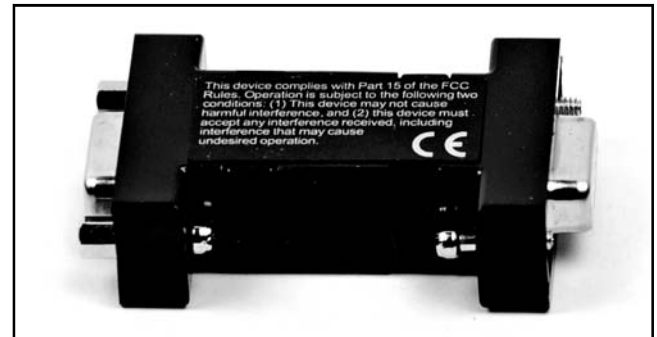
**204-1855 Tester alternator & starter**



**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**



**E**

Transcan 18 meter screened cable thermistor probe

**204-1071 Thermistor probe 18 meters**







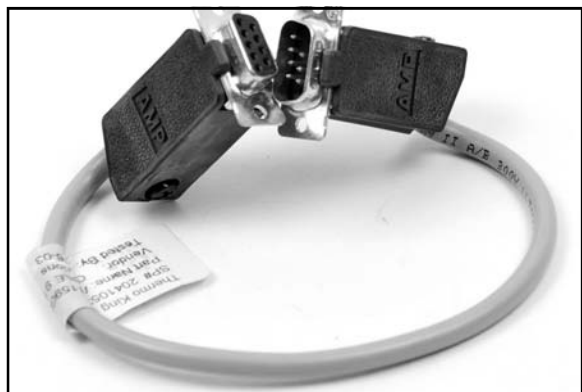
5-pin Cannon bayonet to 15-pin D connector

**204-974 Data cable**



Container Magnum data cable for units with 5-pin  
Cannon connection to 15-pin D connector

**204-975 Data cable**



9-pin connector to 9-pin connector

**204-1053 Data cable**



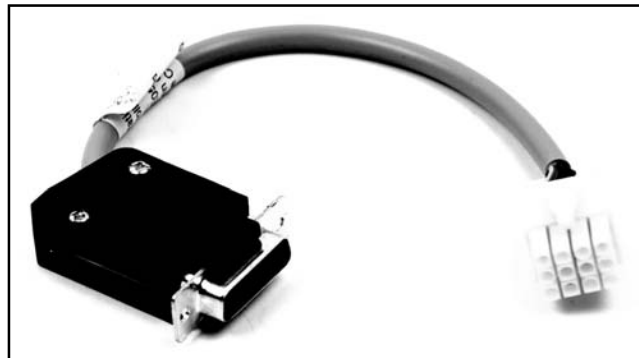
TracKing module diagnostic harness. Connects  
between the TracKing module 7-pin connector and  
the USB adapter part number 204-1109

**204-1940 Diagnostic harness**



Used for controller flashload on TS-500 Spectrum.  
Adapter Cable, 15 pin “D” connector to 12 pin  
MiniMate

### **204-1093 Data cable**



DSR Interconnecting Cable for V-520  
For further information refer to CP503

### **204-1126 Download cable**



TriPac<sup>®</sup> and T-800/1000 M download cable, refer  
to TriPac<sup>®</sup> diagnostic manual procedure A51A

### **204-1926 Cable GT17V to USB 19”**



E

Prime the new fuel line on Espar heaters by using  
this Heater Priming Harness, refer to kit 80-210 or  
TriPac installation manual

### **204-1144 Harness primer pump**







Use this tool for communication between the ClimmaAIRE controller and a PC through serial COM port RS232. This kit included special cable interface, DC adapter for power supply of ClimmaAIRE Controller and CD with communication software and documentation.

- PC compatible 486 or better class system (Pentium recommended)
- Microsoft **Windows98** or Windows NT 4.0 (Service Pack 4)
- VGA display (Super VGA recommended)
- 8 MB memory (32 MB recommended)
- 10 MB of hard disc space
- Mouse or other pointing device

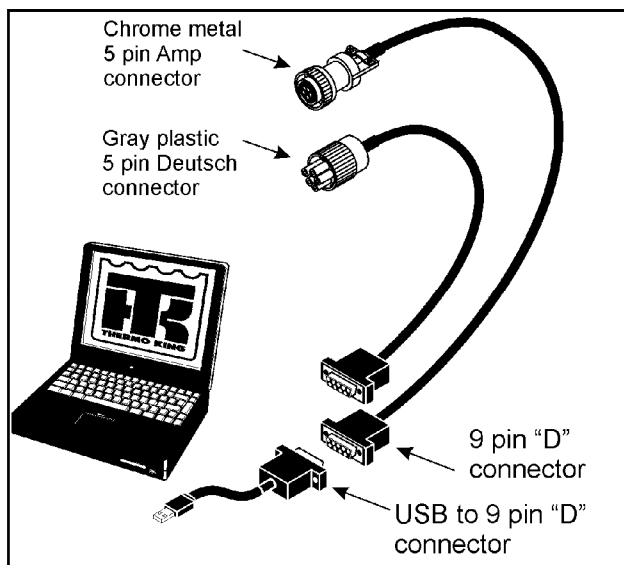
## 204-1063 ClimmaAIRE Control Module



The IntelligAIRE I programming and display box is used on all bus units with IntelligAIRE I control system. This tool is required after installing a new circuit board, when changing the set up parameters and to retrieve information from units that have the Smart Controller Diagnostic options. For units that have the Smart Controller Diagnostics option, additional features are:

- Read and clear alarm codes
- Display history of alarm
- Test mode provides both manual and automatic cycling of outputs to aid in trouble shooting.

## 204-849 IntelligAIRE I diagnostic



Download cable for IntelligAIRE II. Connects your computer to early IntelligAIRE II controllers which require a metal 5 pin Amp connector (item 1).

## 204-888 Download cable for IntelligAIRE II.

Connects your computer to current IntelligAIRE II controllers which require a gray plastic 5 pin Deutsch connector (item 2).

## 204-1040 Download cable (20 ft)

Connects the 9 pin "D" connector to the USB port.

## 204-1109 Cable—USB to 9 pin "D" connector





This tool is used to test all IntelligAIRE I Electronic Control Modules. This tool features indicator LEDs;

Yellow = Power

Green = Pass

Red = Fail

### **204-968 IntelligAIRE I Electronic Control Module Tester**



For operating uP truck units remotely. Comes with a 6 foot long cord so a technician can operate the unit, change set point, enter guarded access, and run diagnostics from at the unit (all of the same functions as the in-cab remote).

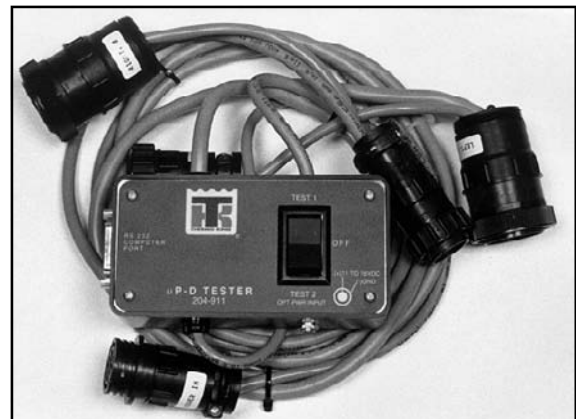
### **204-1033 uP T service remote**

### **41-8348 Replacement cord**



Used for testing container u-PD controllers. Includes an RS 232 port for software updates. Requires external 12 volt power supply.

### **204-911 uP-D controller tester**



This stand alone tester will test all Single Temperature and Multi-Temp In-Cab TG-V Controllers. Connect the proper end of the tester to the in-cab controller.

### **204-831 TG V controller tester**

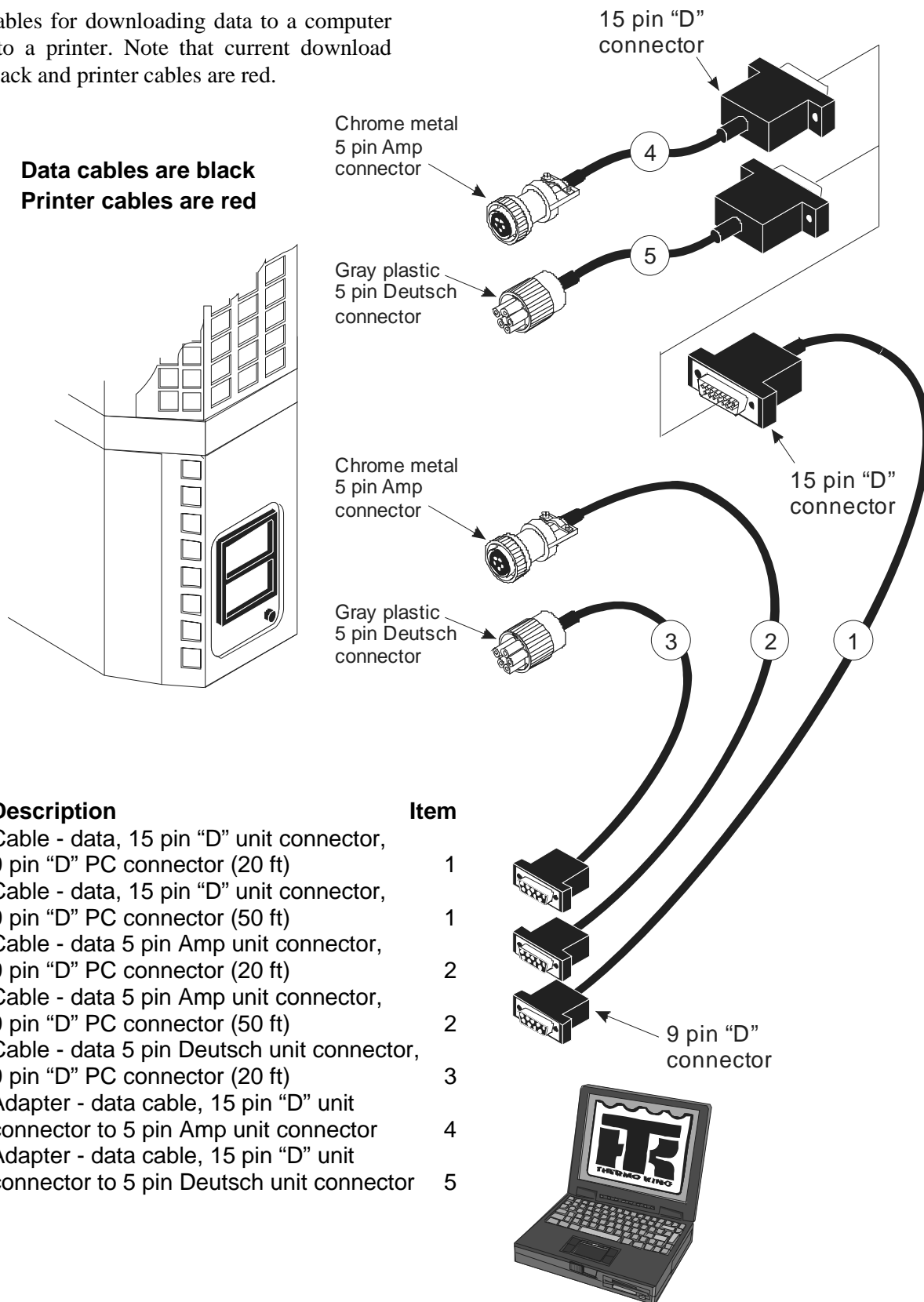




## Download Cables for mP IV, V & VI to a Windows Based Computer

Use these cables for downloading data to a computer or directly to a printer. Note that current download cables are black and printer cables are red.

**NOTE:** Data cables are black  
Printer cables are red

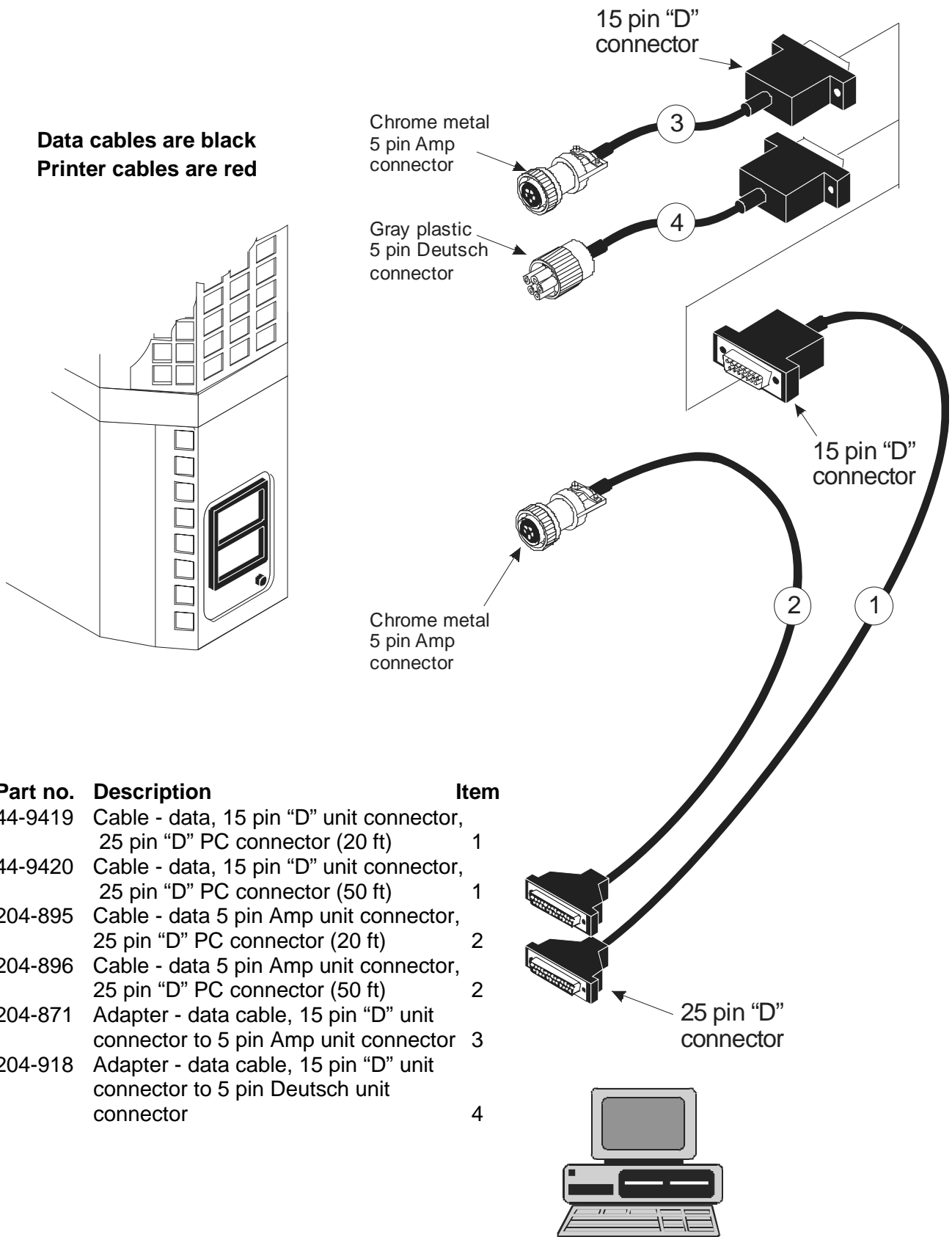


Part no.	Description	Item
44-9417	Cable - data, 15 pin "D" unit connector, 9 pin "D" PC connector (20 ft)	1
44-9418	Cable - data, 15 pin "D" unit connector, 9 pin "D" PC connector (50 ft)	1
204-888	Cable - data 5 pin Amp unit connector, 9 pin "D" PC connector (20 ft)	2
204-897	Cable - data 5 pin Amp unit connector, 9 pin "D" PC connector (50 ft)	2
204-1040	Cable - data 5 pin Deutsch unit connector, 9 pin "D" PC connector (20 ft)	3
204-871	Adapter - data cable, 15 pin "D" unit connector to 5 pin Amp unit connector	4
204-918	Adapter - data cable, 15 pin "D" unit connector to 5 pin Deutsch unit connector	5



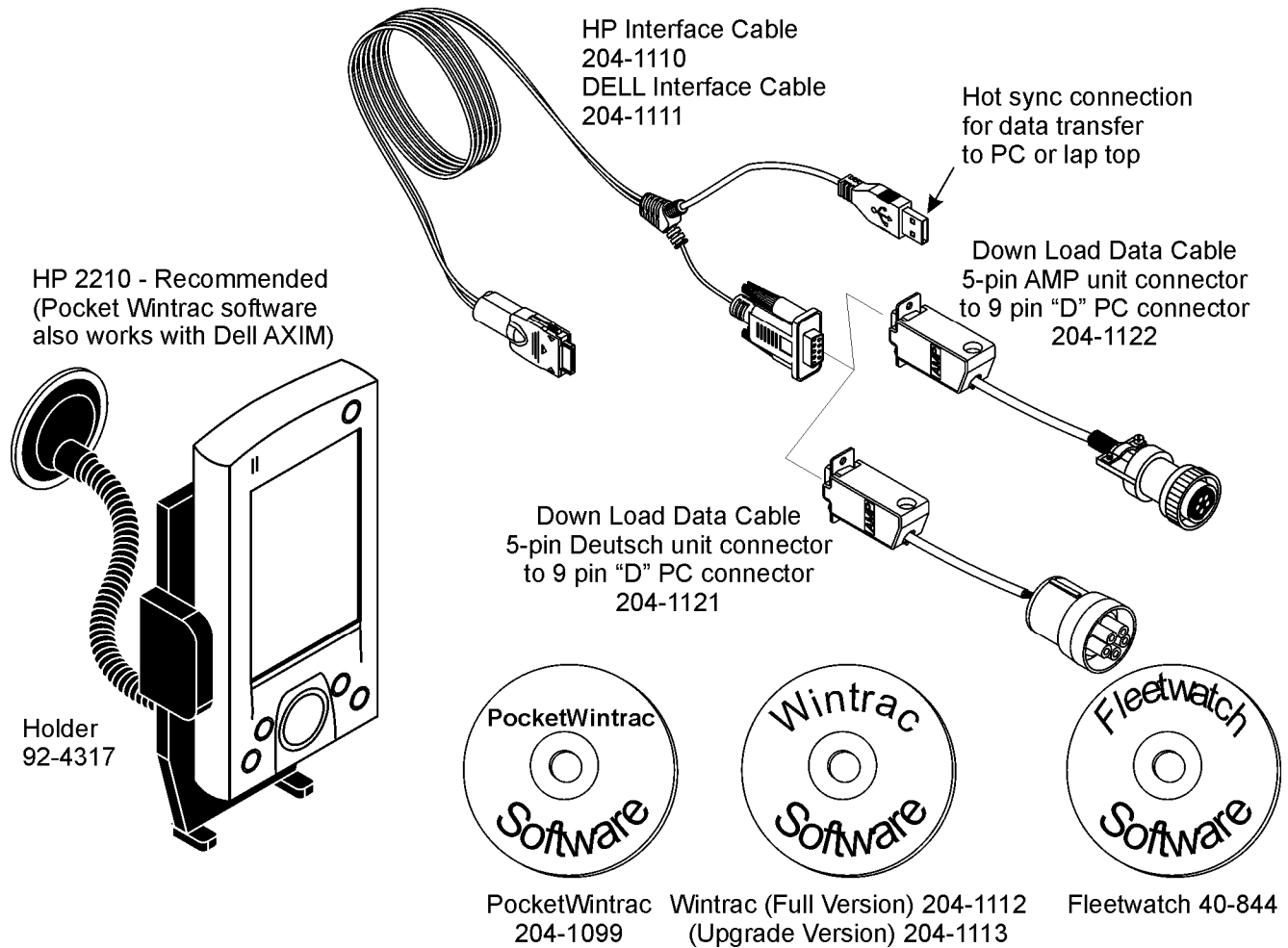
## Download Cables for mP IV, V & VI to a Pre-Windows Computer

**NOTE:** Data cables are black  
Printer cables are red





## Download Cables for a HP2210 & Dell AXIM

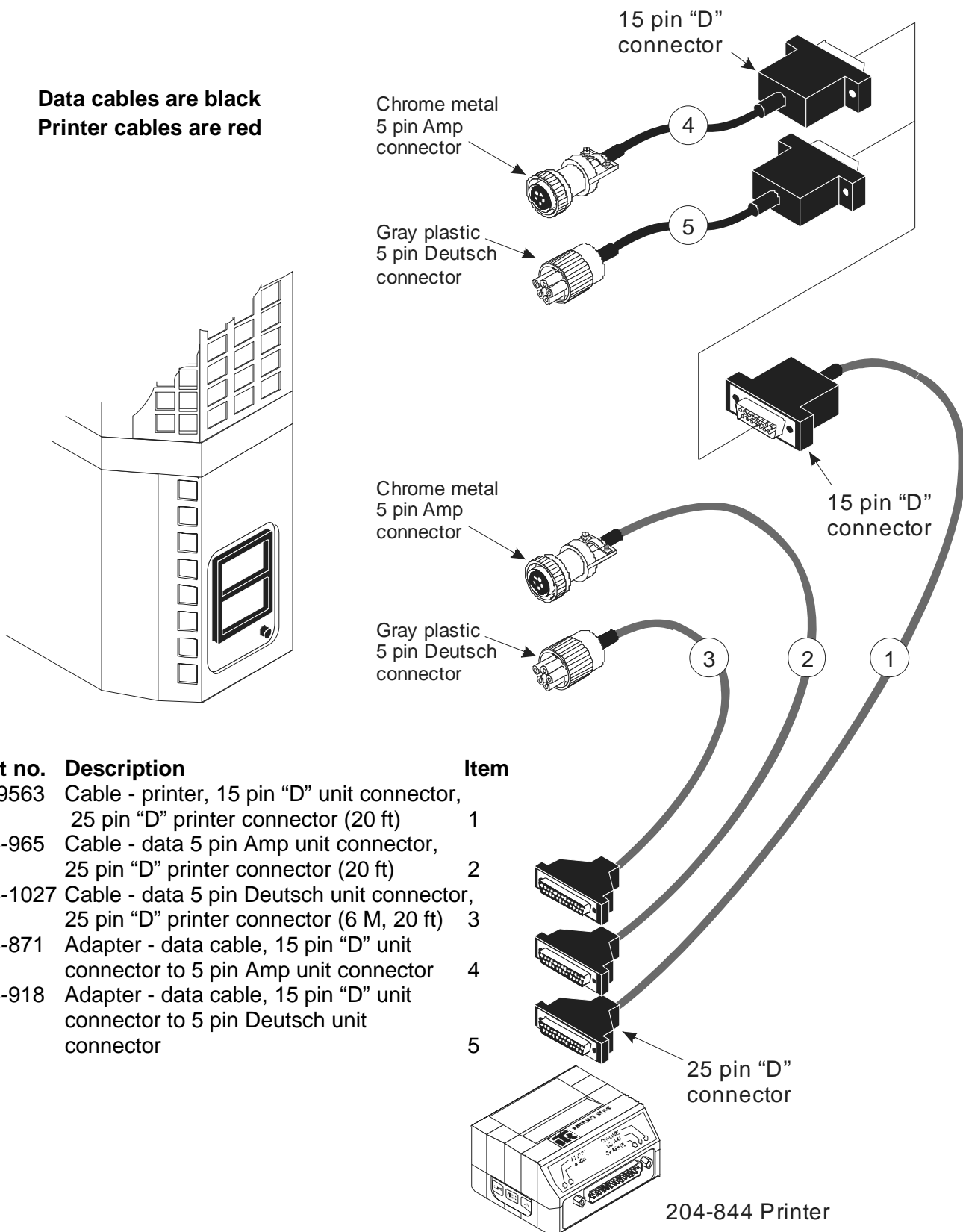






### Printer Cables for mP IV, V & VI to Printer 204-844

**NOTE:** Data cables are black  
Printer cables are red

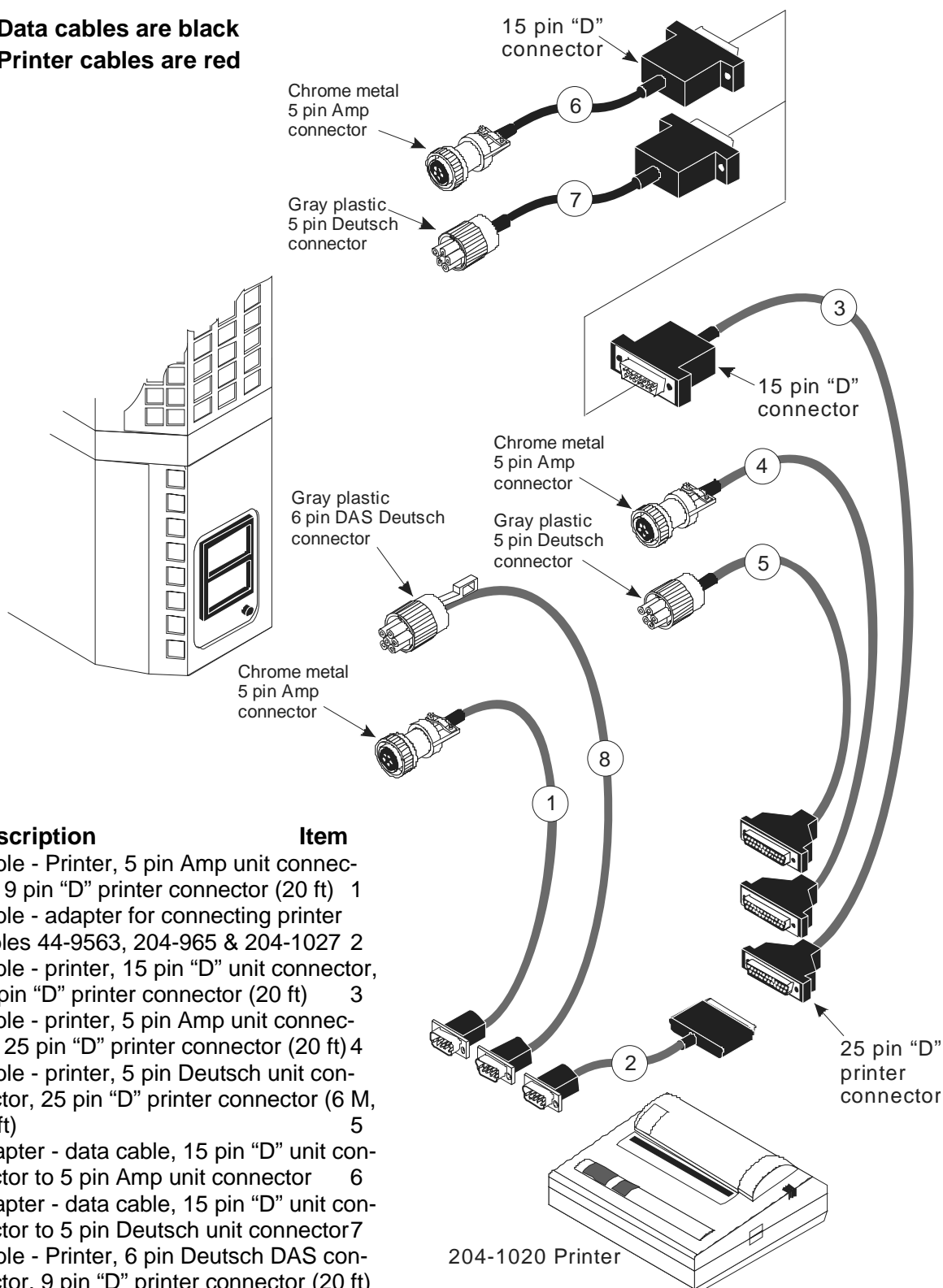


Part no.	Description	Item
44-9563	Cable - printer, 15 pin "D" unit connector, 25 pin "D" printer connector (20 ft)	1
204-965	Cable - data 5 pin Amp unit connector, 25 pin "D" printer connector (20 ft)	2
204-1027	Cable - data 5 pin Deutsch unit connector, 25 pin "D" printer connector (6 M, 20 ft)	3
204-871	Adapter - data cable, 15 pin "D" unit connector to 5 pin Amp unit connector	4
204-918	Adapter - data cable, 15 pin "D" unit connector to 5 pin Deutsch unit connector	5



## Printer Cables for mP IV, V & VI to Printer 204-1020

**NOTE:** Data cables are black  
Printer cables are red



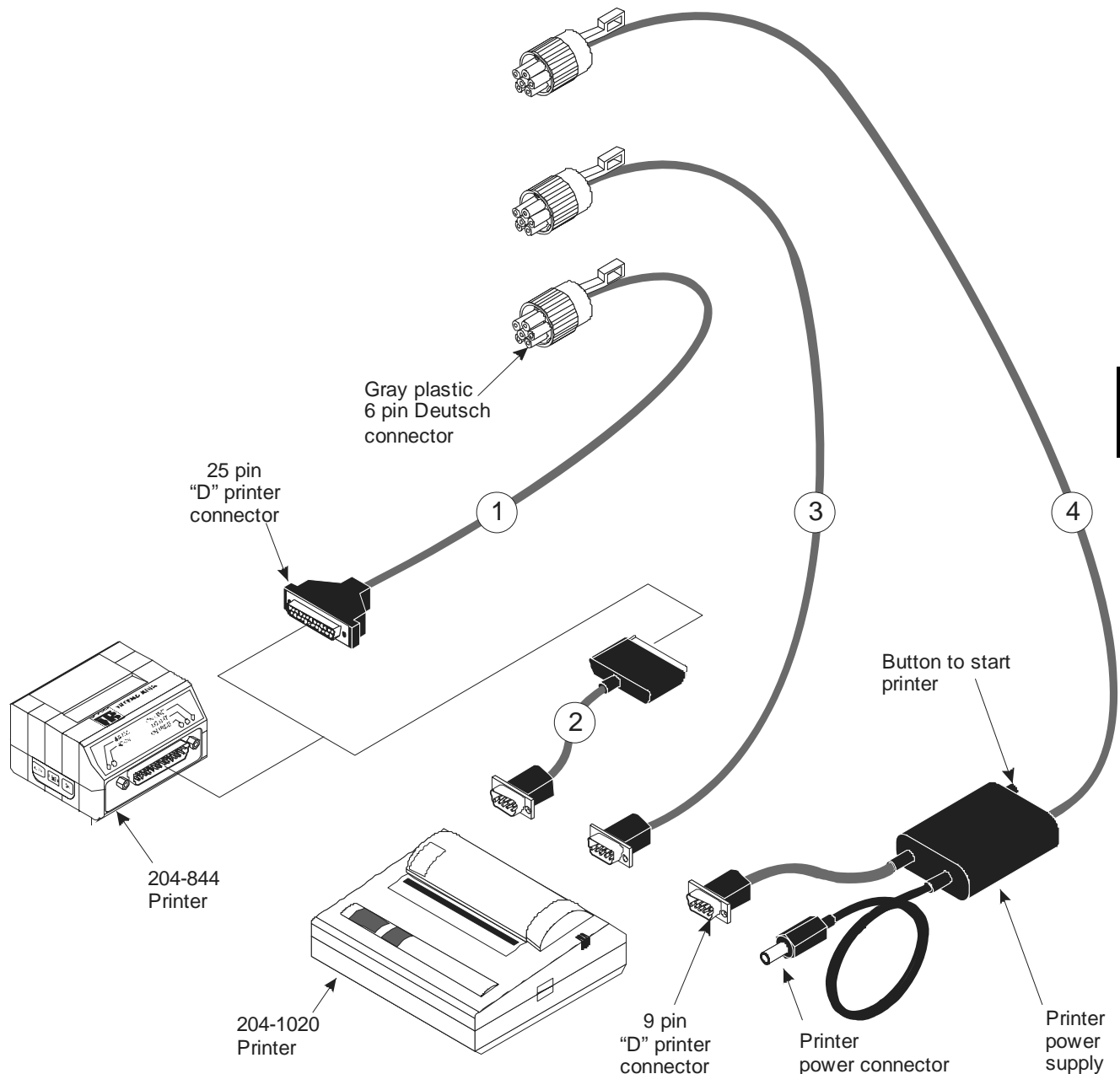
Part no.	Description	Item
204-1024	Cable - Printer, 5 pin Amp unit connector, 9 pin "D" printer connector (20 ft)	1
204-1031	Cable - adapter for connecting printer cables 44-9563, 204-965 & 204-1027	2
44-9563	Cable - printer, 15 pin "D" unit connector, 25 pin "D" printer connector (20 ft)	3
204-965	Cable - printer, 5 pin Amp unit connector, 25 pin "D" printer connector (20 ft)	4
204-1027	Cable - printer, 5 pin Deutsch unit connector, 25 pin "D" printer connector (6 M, 20 ft)	5
204-871	Adapter - data cable, 15 pin "D" unit connector to 5 pin Amp unit connector	6
204-918	Adapter - data cable, 15 pin "D" unit connector to 5 pin Deutsch unit connector	7
204-1026	Cable - Printer, 6 pin Deutsch DAS connector, 9 pin "D" printer connector (20 ft)	8





### Printer Cables for DAS (Data Acquisition System) to Printer

Part no.	Description	Item
204-1018	Cable - Printer, 6 pin Deutsch DAS connector, 25 pin "D" connector (20 ft)	1
204-1031	Cable - adapter for connecting printer cables 44-9563, 204-965, 204-1018 & 204-1027 to printer 204-1020	2
204-1026	Cable - printer, 6 pin Deutsch DAS connector, 9 pin "D" (20 ft)	3
204-1028	Cable - printer, 6 pin Deutsch DAS connector, 9 pin "D"	

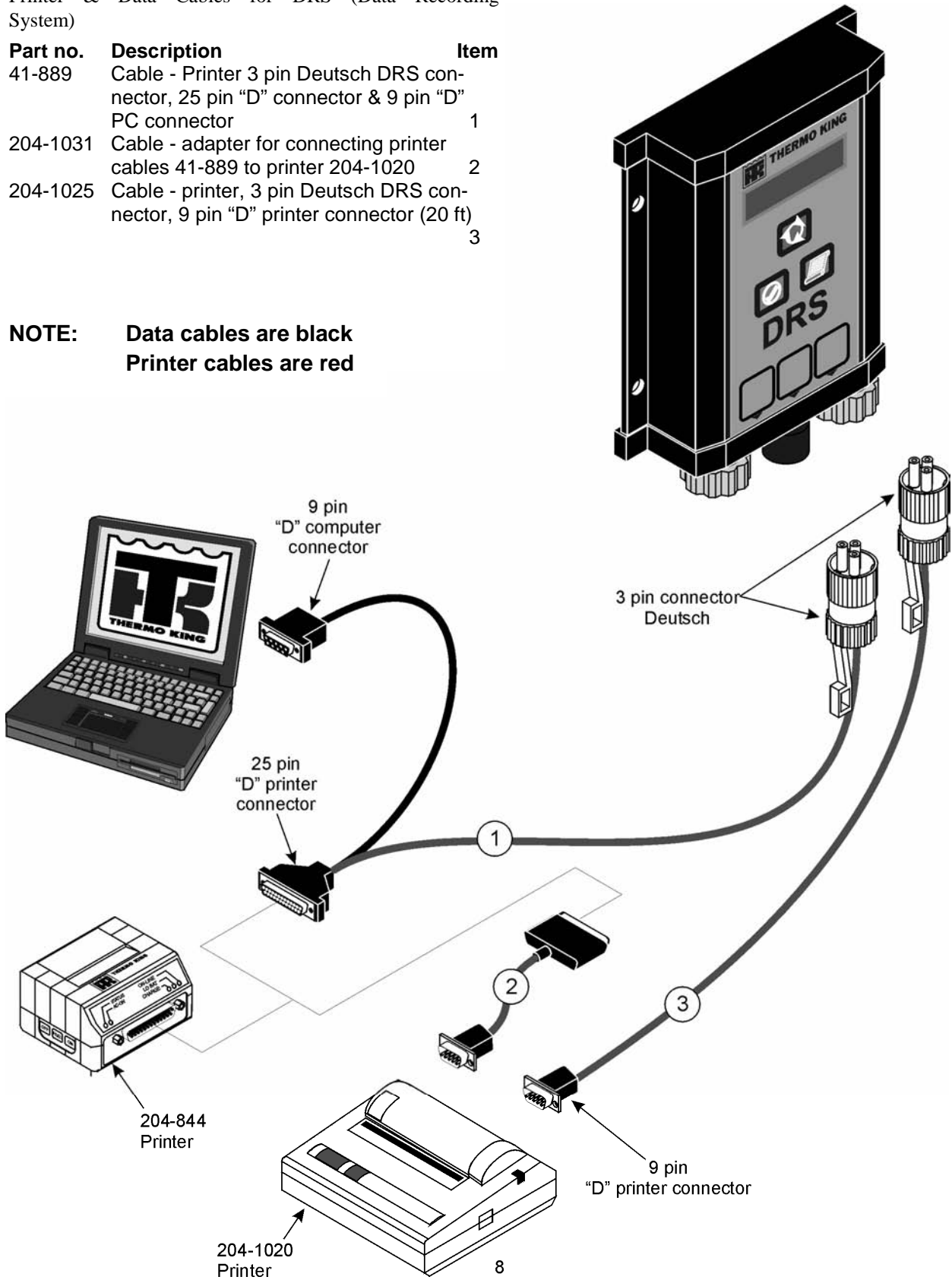




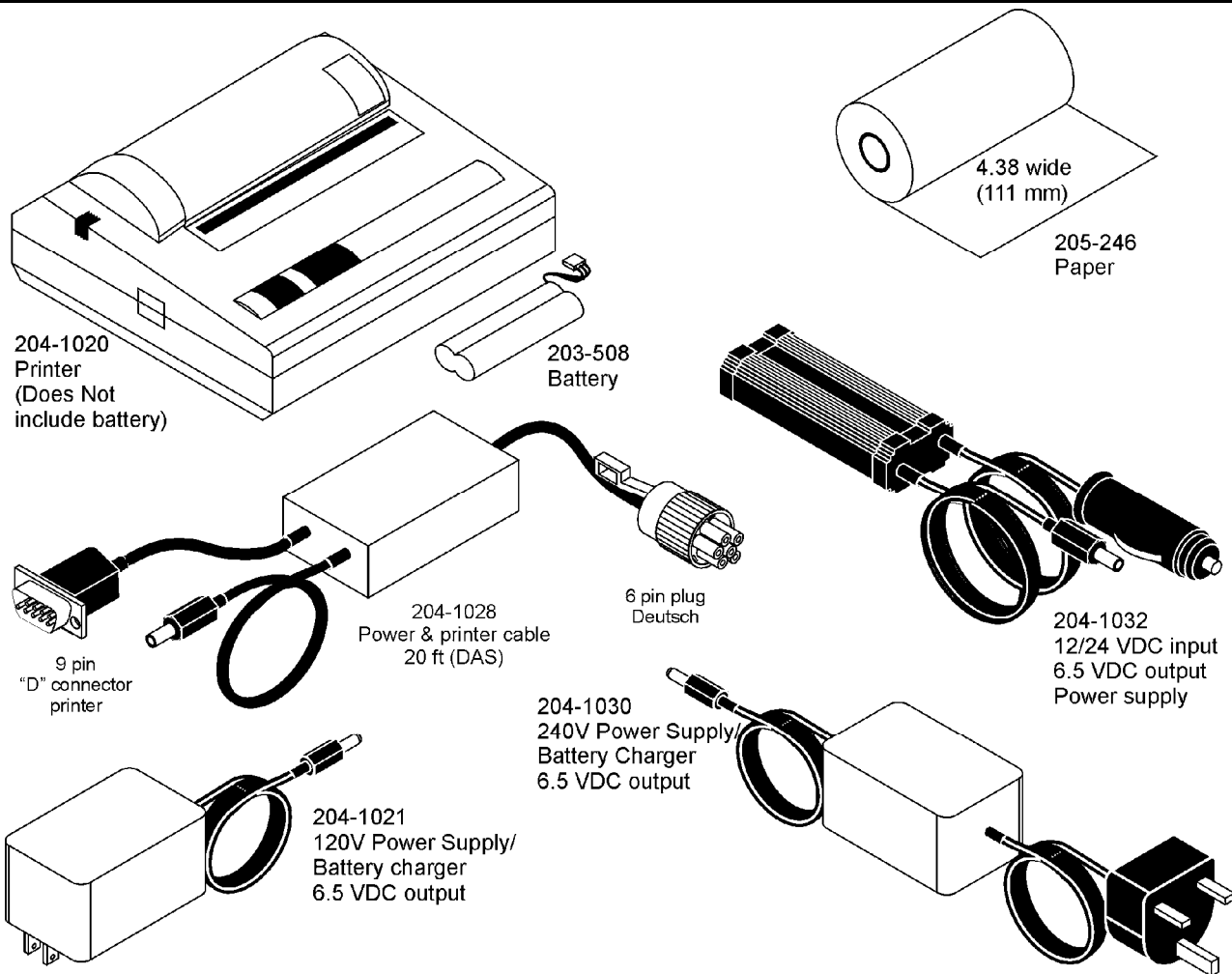
Printer & Data Cables for DRS (Data Recording System)

Part no.	Description	Item
41-889	Cable - Printer 3 pin Deutsch DRS connector, 25 pin "D" connector & 9 pin "D" PC connector	1
204-1031	Cable - adapter for connecting printer cables 41-889 to printer 204-1020	2
204-1025	Cable - printer, 3 pin Deutsch DRS connector, 9 pin "D" printer connector (20 ft)	3

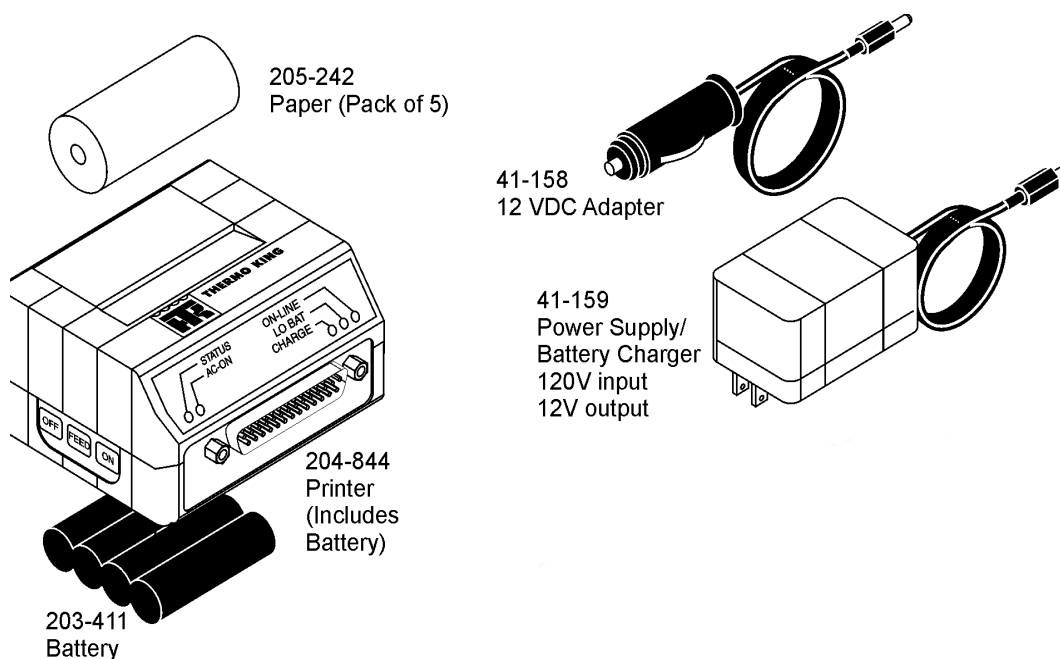
**NOTE:**      Data cables are black  
                  Printer cables are red



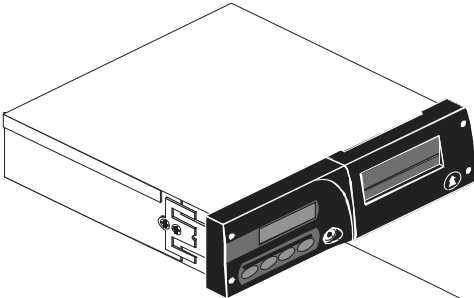




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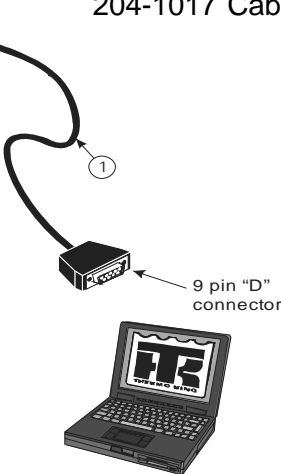




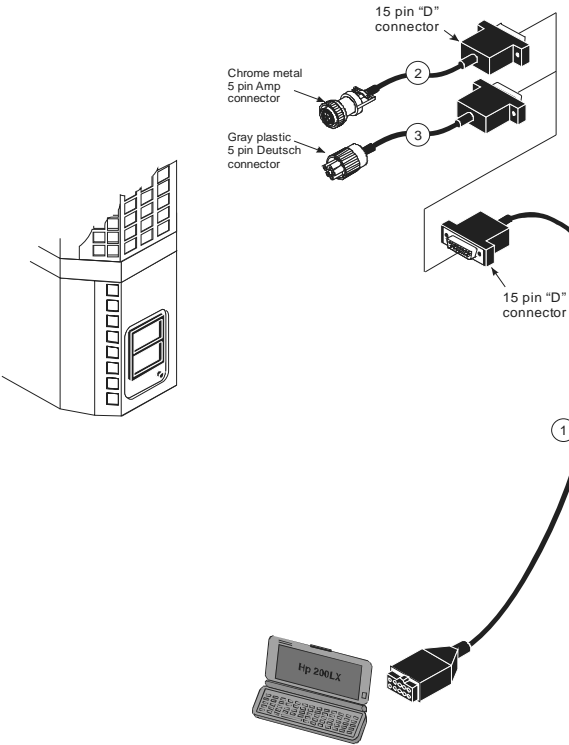


Data Cables for AccuTrac

Part no.	Description	Item
204-1017	Cable - communications (to computer)	1



**NOTE:**      Data cables are black  
                 Printer cables are red



Part no.	Description	Item
41-577	Cable - Printer, 15 pin "D" unit connector, Hewlett Packard LX-200 connector (20 ft)	1
44-9420	Cable - Printer, 15 pin "D" unit connector, Hewlett Packard LX-200 connector (1.5 m)	1
204-871	Adapter - data cable, 15 pin "D" unit connector to 5 pin Amp unit connector	2
204-918	Adapter - data cable, 15 pin "D" unit connector to 5 pin Deutsch unit connector	3





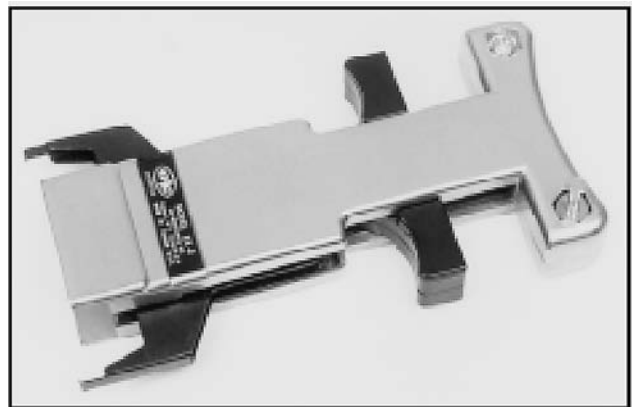
A personal grounding device to prevent electrostatic discharge when handling and/or servicing microelectronics circuits and components.

**204-622 Wrist strap - electrostatic discharge preventive tool**



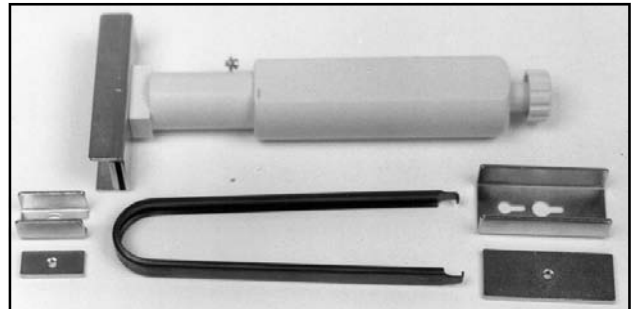
Use to extract the 40 pin integrated circuit from printed circuit board socket on CF-II & CF-III micro P & C control panels.

**204-636 Integrated circuit remover**



Tool **204-636** will not fit into the opening in the SR unit's micro processor. Use this tool to remove and install the chip in SR units.

**204-736 Integrated circuit remover/installer**



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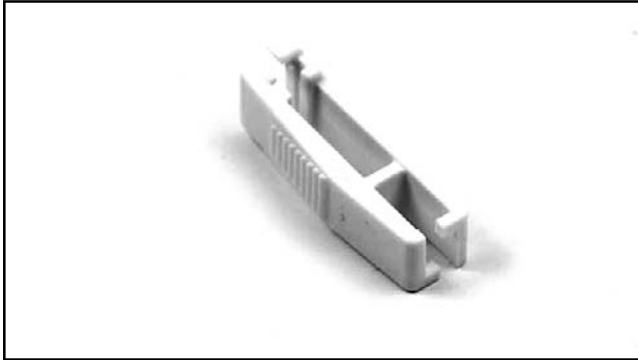
TriPac chip extraction tool, Refer to T&T469

Extracts a range of chips sizes from 20 pins through 128 pins from any socket without damage to the chip. Spring loaded one-hand design requires no pulling, just squeeze handles and chip is lifted from the socket. ABS handles and stamped steel.

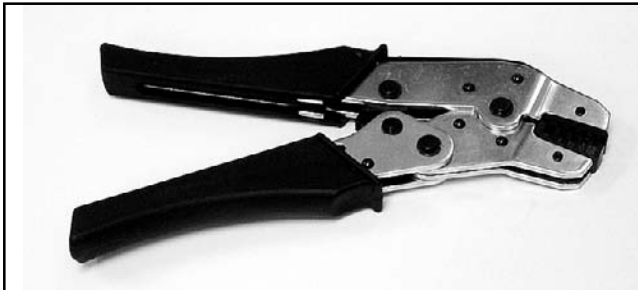
**204-1885 Chip extractor**







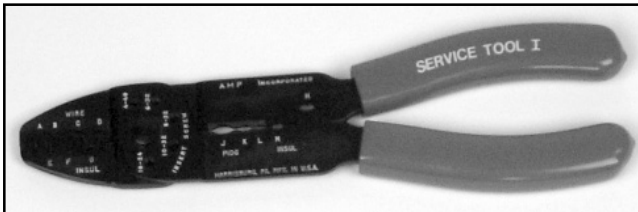
**204-1101 Fuse puller**



Use this crimper for the hard wired sensors (kits 40-974 & 40-975) now used on the new units.

**204-1060 Tool - crimper**

**204-1129 Replacement jaw die for 204-**



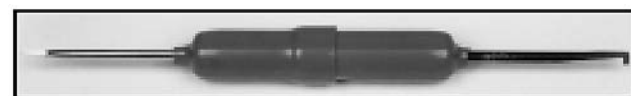
**204-954 Hand crimping tool**



This kit includes the tools and parts needed to make and repair Deutsch in-line connectors. Included is an assortment of terminals, 2 and 3 pin connectors, terminal removal tool and a terminal crimper.

**204-703 Kit - terminal crimper**

**204-1038 Crimper Deutsch terminal**



This unique tool has a specially designed hook that easily removes those hard-to-reach internal receptacle wedges.

**204-799 Deutsch Wedge remover**





Removes the male terminal pins from Packard plugs.

**204-623 Tool - pin removal**



For crimping Packard terminals.

**204-624 Tool - terminal crimper**



**204-860 Tool - terminal crimper**



Removes the pins and sockets from various Amp Multimate connectors.

**204-737 Tool - Amp pin remover**



Inserts and extracts the HD-22 and HD-20 contacts from AMPLIMITE high density (HD) connectors.

**204-976 Tool - pin removal**

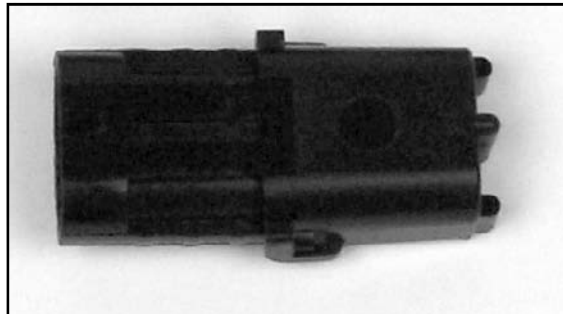


Removes the contacts from Amp Mini-universal - Multimate housing.

**204-1120 Tool - Amp pin remover**

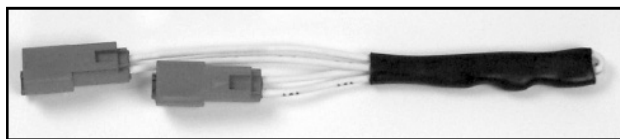






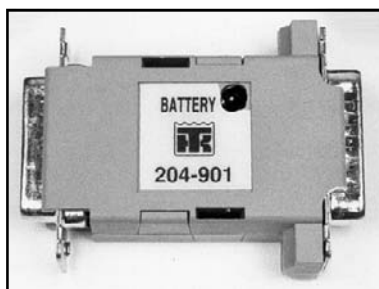
This tool may be used to check the calibration of the compressor discharge temperature sensor. This only works on display panels that allow full access. It is used on all bus units equipped with IntelligAIRE Electronic Control Modules and revision 5.x software.

**204-969 Calibrator plug**



Use this tool when replacing the uP4 controller on the SB-IIIS. It calibrates the controller to the compressor sump temperature sensor.

**204-903 Calibration sensor**



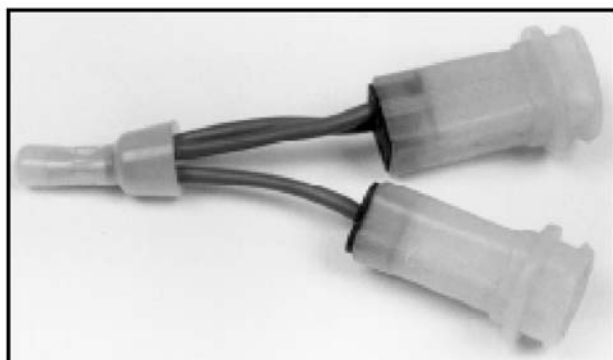
The tester/amplifier adapter and the power cable/battery connector amplify the serial communication signals to download data from a uP controller to a laptop computer.

**204-901 Tester/amplifier adapter**

**204-936 Ribbon Cable**

**204-937 Long Cable**

**204-938 Power cable/battery connector**



MX 100 combustion heater test cable

**204-618 Test cable for MX100 combustion heater**





The shorter heat shrink tubing on the new sensors used on the SB units, require more care to install when used as discharge air sensors. A set of special tools is available to assist in the installation of discharge air sensors. A discharge sensor can be installed using just the installation tool, but it is easier to use both the installation tool and the guide tool.

Refer to T&T 356

### **204-1124 Sensor installation tool**



### **204-1125 Sensor guide tool**







The Strobe light checks the unit for:

- Balance of operating machinery
- RPM of motors, engine pulleys, fans, etc.
- Observe belt slippage
- Strobe light will “stop action” at speeds from 200 to 6000 RPM

**204-1890 Strobe light, 110V**

**204-1891 Strobe light, 220V**

**204-458 Replacement bulb**

Warranty information provided in the Shop Supply section.



Checks the cylinder compression in gasoline and propane engines. The gauge fits all sizes of spark plug holes. Reads from 0 to 300 psi.

**204-1057 Compression gauge**



A versatile instrument for checking run-out on starter-generator, distributors, flywheel, etc. The tool comes with handy mounting clamps and carrying case.

**204-166 Dial indicator**

## General Tools



Accurately measures protection level of antifreeze and specific gravity of batteries. Fast and easy to use, even by untrained personnel, this Refractometer measures ethylene and propylene glycol antifreeze concentrations up to 70% -84F. It is accurate to within  $\pm 2F$  and corrects for the fluid temperature, whether hot or cold.

**204-754 Refractometer**





### Diesel engine tools

This diesel compression tester has a range of 150 - 850 psi (1,034-13,400 kPa). The tester includes a gauge, flexible hose, chart holder and 50 charts, all packaged in a wooden case.

#### 204-542 Gauge - compression tester

Order adapters separately

- 204-419 C201 Adapter
- 204-519 Hose only - compression gauge
- 204-563 C201, right angle adapter
- 204-543 OM636
- 204-593 di 2.2, se 2.2
- 204-672 Adapter 19mm x 1/8 npt
- 204-674 TK235 & TK353
- 204-675 TK 2.44, TK 3.66 & TK 3.88  
(also needs 204-672)

204-1848 Tier II adapter

**NOTE:** Tool 204-674 adapter for TK235 and TK353 includes injector adapter 204-672. Tool 204-675 adapter for TK 2.44, TK 3.66 and TK 3.88 does not include adapter 204-672 and must be ordered separately. See Service Bulletin T & T 68 for more information.



Tool is used to test fuel pressure on Yanmar engines, refer to T&T362

#### 204-1848 Adapter compression tester



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Replacement chart holder for compression tester gauge 204-542.

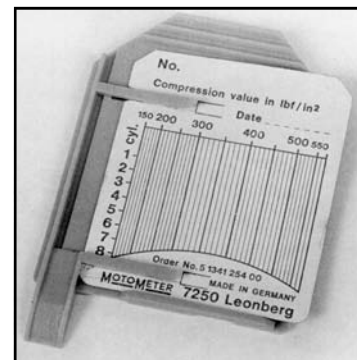
#### 204-541 Chart holder

Package of 100 charts for compression tester gauge 204-542. (150 to 850 psi)

#### 204-544 Charts (package of 100)

Package of 100 charts for compression tester gauge 204-542. (150 to 550 psi)

#### 204-437 Charts (package of 100)







TK 486 Tier 1 & 2 Fuel Injection Nozzle Puller  
(Slide Hammer Adapter)

**204-1845 Adapter injector puller**



Fuel bowl wrench for truck fuel pump 41-7059

**204-1166 Filter bowl wrench for electric fuel pump**



Fuel bowl wrench for water bowl on trailer fuel filter  
10-415

**204-1913 Wrench water bowl**



Fuel bowl wrench for trailer fuel filter bowl 12-945

**204-1938 Fuel filter wrench**





### Diesel Engine Tools

For testing nozzle “popping” pressure. The nozzle tester includes a pressure gauge for adjustment and extra test tubes. For further information on how to use the tester, see the Thermo King overhaul manual for your engine.

#### **204-290 Tester Nozzle**

Replacement parts:

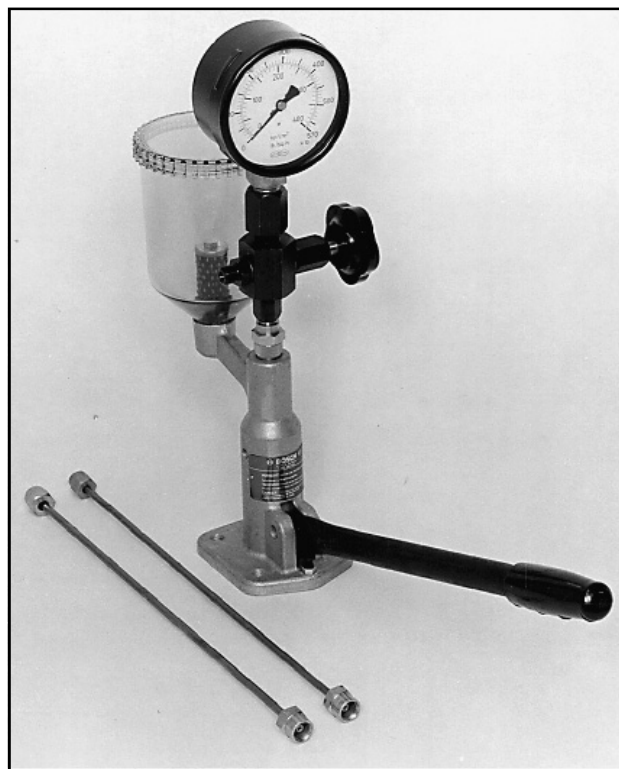
**204-451 Tube - straight**

**204-421 Bowl**

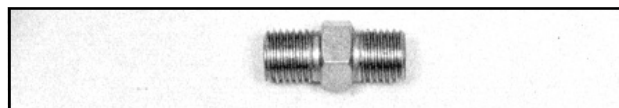
**11-5960 Filter**

**204-597 Gauge**

**204-451 Replacement tubes**



This adapter is necessary for testing injection pressure on TK 235 and TK 353 engines. To test the injection nozzle, attach this adapter to the tester tube. Attach the engine injection line to the adapter and connect the injection nozzle to the injection line.

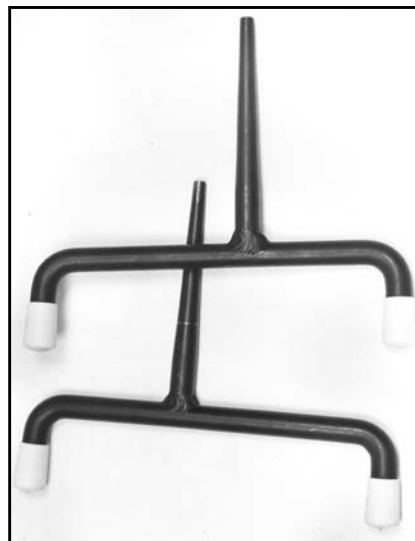


#### **204-524 Adapter nozzle tester, TK 235 and TK 353**

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These self-aligning head holders will accept the OM636, C201PT, di 2.2, se 2.2, TK2.44, TK3.66, TK3.88, TK235, TK353, Ford and GM heads. Does a beautiful job of holding the heads in proper position for valve work.

#### **204-472 Head holder (pair)**

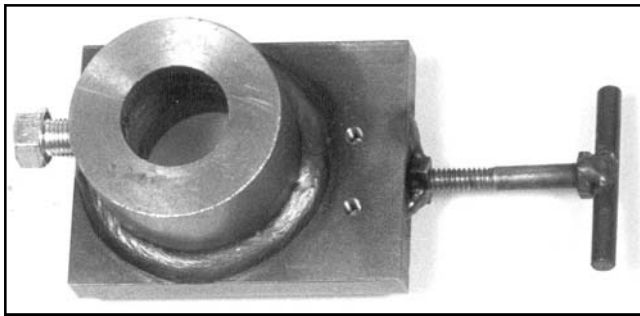






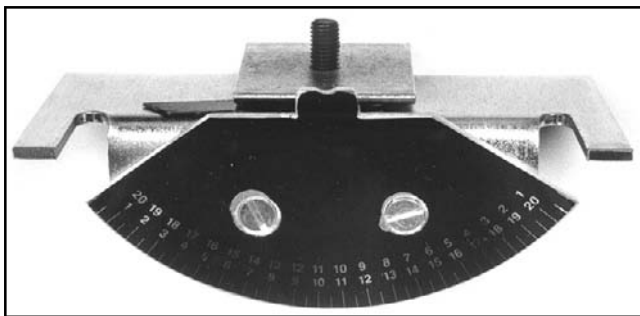
Use in Yanmar 486 engines.

**204-1041 Core plug installation tool**



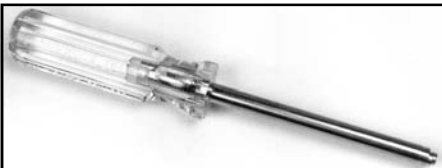
Use of this tool will increase oil pressure in an early style oil pump (not needed in high capacity pumps) by eliminating the built-in tolerance between the oil pump mounting and the crankcase mating surface. The groove will accept O-ring (33-144). For more information see C201 Overhaul Manual TK5649.

**204-462 Tool - groove cutting, C201**



Attaches directly to the injection pump control pinion for accurate checking and/or adjusting of the injecting rate. For more information, see the C201 Overhaul Manual TK5649.

**204-431 Gauge - injection pump, C201**



The anti-theft screws can only be removed with these special tools. Each dealer should have at least one tool. Use with kits 90-123, 90-124 and 90-125.

**204-574 Driver - tool head**

**204-575 Key - tool head**



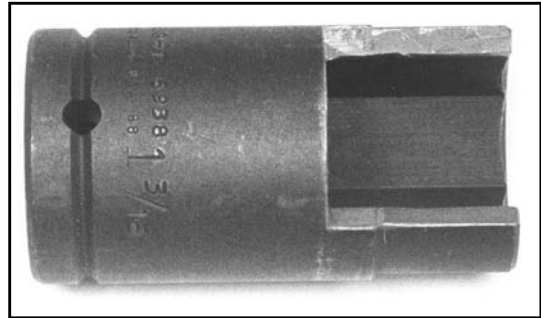




### C201 Engine

A socket with a special cutaway for removing the injection nozzle from the C201 diesel engine.

#### **204-488 Socket - injection nozzle, C201**



One tool will both remove and install guides for both intake and exhaust valves.

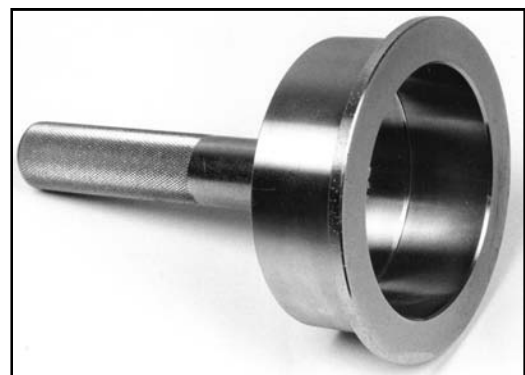
#### **204-355 Replacer - valve guide, C201**



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Installer for the rear seal.

#### **204-414 Rear oil seal installer C201**





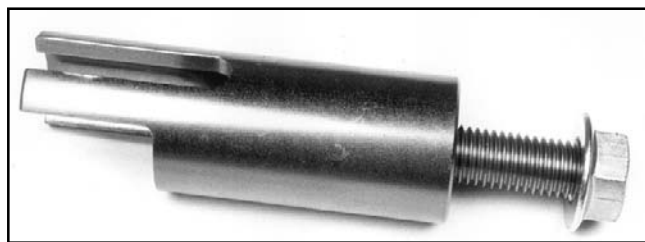
## di 2.2 & se 2.2 Engine



Use for setting the injection pump timing on the di and se 2.2 engine.

**204-589 Dial indicator - millimeter**

**204-1037 Contact replacement point**



Fuel quality, along with the practice of blending used oil in diesel fuel has made routine nozzle inspection more important and a requirement in a good preventative maintenance program. This tool will assist in reducing time spent removing nozzles for inspection.

**204-902 Injection nozzle puller**



Installer for the “speedi-sleeve” on the di 2.2 & se 2.2 engines.

**204-696 Speedi-sleeve installer**

Replacement parts:

**204-694 Threaded rod**

**204-695 Installer**

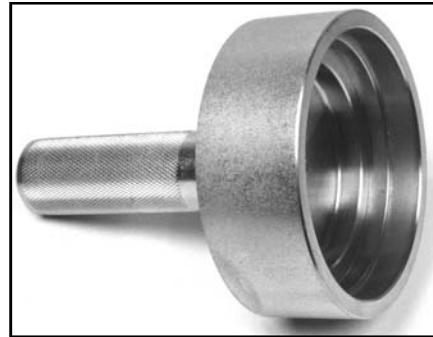




### di 2.2 & se 2.2 Engine

Installs the rear seal hard ring.

#### **204-755 Hard ring installer**



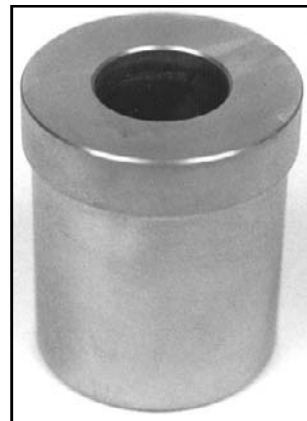
Use with compression tester gauge 204-542 to check engine compression

#### **204-593 Compression adapter**



Use with driver from tool **204-480** to remove and replace the precision camshaft bearings.

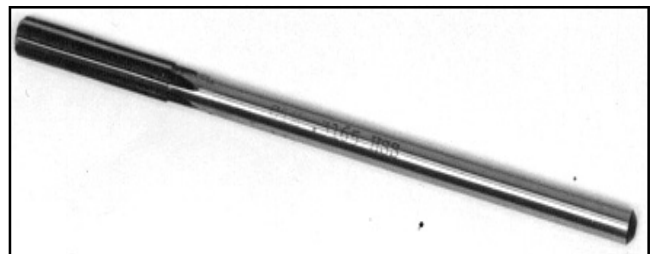
#### **204-664 Camshaft bearing installer**



A

Reams the valve guides to the proper size after installation (0.3155")

#### **204-396 Reamer - valve guide**





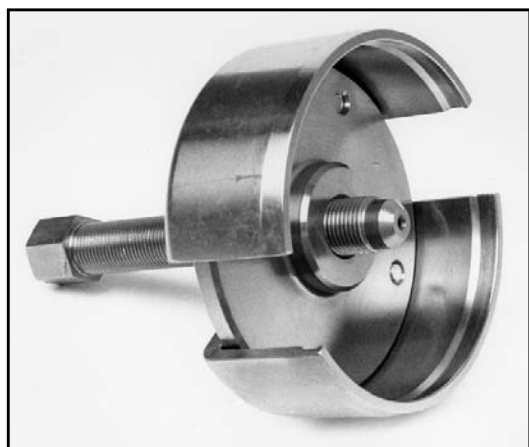
## di 2.2 and se 2.2 Engine



Use to properly install the rear seal on di 2.2 and se 2.2 engines. It is designed so that the cap bottoms against the adapter when the seal is set at the proper depth.

**204-847 Rear seal installer**

**204-908 Adapter - engines w/hard rings**



All se 2.2 engines after serial number 198650 use a new rear axial crankshaft seal (33-2634). This tool is necessary to safely remove the seal.

**204-848 Rear seal remover**



Installs the front seal to the proper depth on C201, di 2.2 and se 2.2 engines.

**204-907 Front seal installer**





### TK 486 Engine

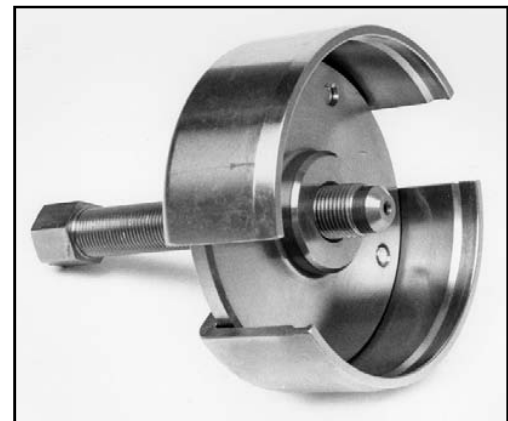
Installation tool for the rear axial crankshaft seal for the Yanmar 486 engine.

#### 204-952 Seal installation tool



The TK 486 engines use a new rear axial crankshaft seal (33-2974). This tool is necessary to remove the seal, and avoid damaging the shaft.

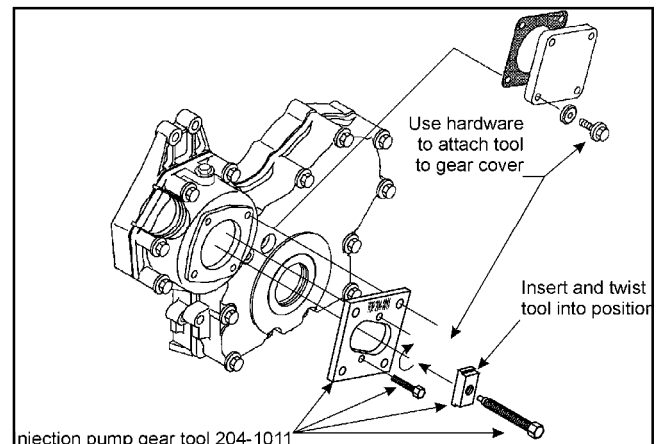
#### 204-994 Rear seal remover



A

The injection pump gear on the TK486 and TK482 engines will not fit thru the gear housing when removing the pump, the gear must be separated from the pump. Using this tool, it will not be necessary to remove the belts, fuel pump, crankshaft pulley, crankshaft seal or front plate. The tool allows removal of the injection pump while holding the injection pump gear in position for reassembly.

#### 204-1011 Injection pump remover







**TK 482/486**

Installs the front seal to the proper depth on TK 486/482 engines

**204-1138 Front seal installer**



Use the plunger support tool to support the plunger when removing the injection pump camshaft. Refer to PB1342

**204-1083 Tool - Injection pump plunger sprint support**



This tool is specifically designed for installation of the bond-in type bushings (see Parts Bulletin 1402 and Service Bulletin T & T 353)

**204-1116 Tool-Drive bushing installer (press type)**



This tool is specifically designed for installation of the drive pin used with bond-in type bushings (see Parts Bulletin 1402 and Service Bulletin T & T 353)

**204-1117 Tool-Drive bushing installer (press type)**



This tool is specifically designed for installation of the bond-in type bushings (see Parts Bulletin 1402 and Service Bulletin T & T 353)

**204-1118 Tool-Drive bushing installer (Impact Driver)**





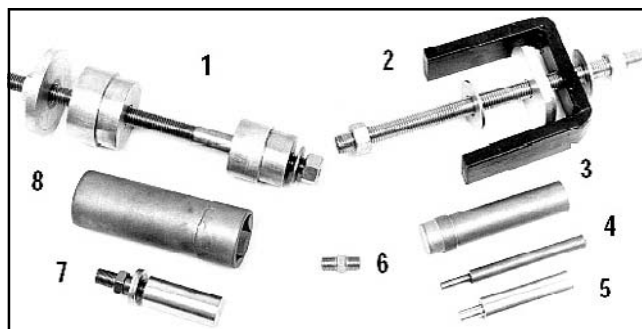
### TK 235, TK 353 TOOLS

This tool set contains the special tools necessary to overhaul the TK235 and TK353 engines.

#### 204-523 Tool set

The Tool set **204-523** contains the following:

Part no.	Description	Item
204-687	Remover/installer, main brg	1
204-688	Puller - cylinder sleeve	2
204-692	Remover/installer - cam brg	3
204-691	Remover/installer, valve guide	4
204-690	Driver - piston pin	5
204-524	Adapter - nozzle tester	6
204-674	Adapter compression tester	7
204-689	Socket - Crankshaft gear nut	8



### CK, CCK, RCCK, RDJA ENGINE TOOLS

Machined aluminum casting for use in accurate timing Onan CK & CCK engine with combination starter-generator and external mounted governor.

#### 204-131 Timing template

Screws into the armature and presses on the crankshaft to slid the armature from the taper shaft on CK, CCK and RCCK with starter-generator.

#### 204-454 Puller - armature

Valve guide installer for CCK engine.

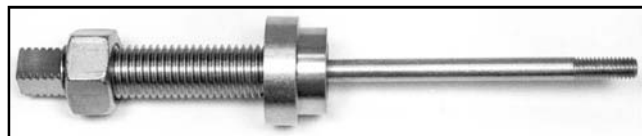
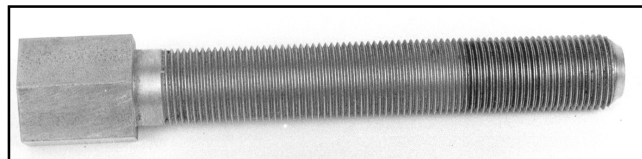
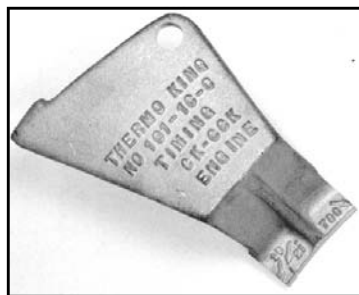
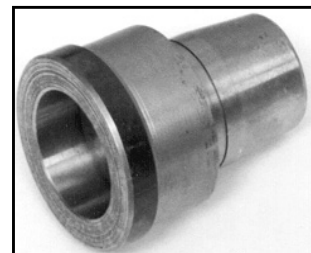
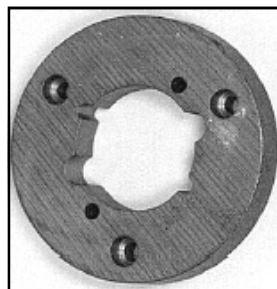
#### 204-599 Installer - valve guide

Bolt the puller ring to the crankshaft gear on the CCK engine. The overhanging edge of the permits removal of the gear with a puller.

#### 204-219 Ring- gear puller

For installation of the oil seal in the CK, CCK and RCCK engines. Prevents oil leak and damage to the oil seal.

#### 204-185 Guide & driver for oil ring

**A**





For checking belt tension on fan belts, alternator belts, etc. The tool hooks over the belt and applies spring pressure giving a direct readout in TKSBU's of belt tension. Increases belt life, reduces belt slippage and increases bearing life.

**204-427 Gauge - belt tension**



This tool will adjust the belt tension on the SL unit. Adjusts the engine to idler belt and the idler to fan belt.

**204-1078 Belt tension adjuster**



This tool will adjust the belt tension on the T series truck units with the optional spring belt tensioner.

**204-1915 Belt tension adjuster**





This tool will adjust the belt tension on the T series truck units with the static belt tensioner.

### **204-1903 Belt tension tester**



This tool is used to tension 3-3V, 2B & 2-5V drive belts used in bus HVAC applications. It has tension marking of 180 & 200 for new and used belts.

### **204-1198 Bus belt tension tester**







Test cooling systems for leaks by pressurizing cooling system up to 30 psi. Kit comes with 1 adapter to test radiator caps up to 30 psi. Refer to T&T525

**204-1842 Cooling system pressure tester**



Adapts the cooling system pressure tester 204-1842 to the SB expansion tank

**204-1843 Coolant adapter**





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### Shop Supplies

Thermo King compressors, using CFC refrigerants.

**67-426 Petroleum - case of 6-1 gallon**

**67-404 Synthetic - case of 6-1 gallon**

POE oil Trailer, Truck, Bus units and for container units with TK compressor using R134a

**203-513 POE Oil - 1 liter**

**203-497 POE Oil - 1 oz package**

POE oil for container units with Copeland compressor using R134a

**203-516 POE Oil - 1 gallon**

ShuttleAIRE units compressor oil 203-502 for TM16 and 203-503 ALMA A6 compressors

**203-502 PAG 354, 80 oz**

**203-503 PAG 125, 80 oz**

POE oil for TK Screw 102-386 using R22

**203-390 R22 TK Screw compressor oil - 1 liter**

S391 TK screw compressor w/R404A or R134a

**203-515 R404A TK Screw compressor oil - 1 gallon Solest 120**

4GB Compressor R12/R22, Mineral Capella "E"

**306-1884 Oil - 1 gallon**

Vapor Model "F" Compressor R22, Mineral

**306-328 Oil - compressor**

Vapor Screw Compressor Polyalphaolefin R22 (Synthetic Hydrocarbon)

**301-329 Oil - 1 gallon**



S

Oil for vacuum pumps.

**203-419 Vacuum pump oil, 1 gallon**

Grease

**203-386 "Mobil 28", 14 oz**

**203-394 "Mobil 28", 1 lb can**

**203-377 SuperLube**



## Shop Supplies



A soft solder that contains 95% tin and 5% antimony. Use for low temperature solder connections in refrigeration tubing. (Use Flux **204-417**)

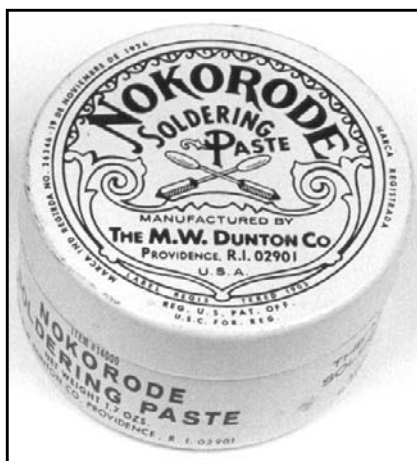
### **204-167 Refrigeration soft solder (1 lb)**

A hard solder that contains 15% silver. Used for hard solder joints in copper tubing. (Use Flux **203-365**)

### **203-751 15% Silver solder (1 lb)**

Used for soldering dissimilar metals. (Use Flux **203-365**)

### **203-366 35% Silver solder (3 oz)**



Use with solder **204-167**.

### **204-417 Soldering flux**



Use with solder **203-751** & **203-366**.

### **203-365 Soldering flux**





For checking the acidity of the oil in a refrigeration system. Use with Thermo King alkyl-benzene and mineral compressor oil - 67-404 and 67-426.

### 203-346 Acid test kit



This new acid test kit has been specially formulated by Thermo King for use with Thermo King polyol ester (POE) compressor oils - 203-390, 203-513, 203-515, 203-516. This new formulation accurately indicates harmful acid levels while eliminating false indications caused by sensitivity to the oil's additive package.

- Tests all Thermo King POE oils.
- One bottle, one-step process.
- Small, one ounce size eases disposal.
- Eliminates false indications caused by additives.
- Color coded box.
- Shipped 12 per case

### 203-518 Acid test kit





## Adhesive

Use for attaching sound insulation panels.

**203-376 Rubber base adhesive - 1 qt**

**203-397 Rubber base adhesive - 5 oz**

Use for heat exchanger insulation and radiator mounting pads

**203-396 Rubber base adhesive  
(poly chloroprene rubber)**

**203-380 Rubber base adhesive  
(synthetic rubber 1 gal)**

Provides heat transfer for rectifiers, diodes and resistors.

**203-454 Heat transfer mastic  
(silicone)**

## Solvents

Non-conducting, non-flammable, non-staining electrical spray cleaner.

**203-351 Contact cleaner  
(16 oz spray)**

Use for freeing fasteners, nuts, bolts, pins, couplings, and other threaded products.

**203-353 Penetrating oil (16 oz spray)**

Use as a finish coat on electrical apparatus such as commutator ends, switchboard parts, field windings of motors, starters, generators, etc.

**203-350 Red insulating varnish  
(16 oz spray)**

**203-524 3oz Super Lube**

## Sealers

Use as a gasket to seal evaporator components.

**203-391 Permagum tape**

Blue RTV silicone gasket compound (3 oz tube).

**203-348 RTV silicone gasket**

Black silicone sealant.

**203-398 Silicone sealant (10 oz tube)**

Removable white pipe sealant with teflon.

**203-385 Thread sealer - removable**

Fast moisture curing polyurethane polymer sealant (11 oz cartridge).

**203-388 Polyurethane sealer**

Use on threads and other items that have to be assembled and disassembled.

**203-392 Antiseize thread compound  
(1 lb can)**

**203-349 Antiseize thread compound  
(spray)**

Red locking compound for refrigerant threads.

**203-393 Thread locking compound  
(50 cc bottle)**

Medium strength, locks nuts & bolts up to 3/4 inch, removable with hand tools.

**203-400 Thread locking compound  
(blue, 50 cc bottle)**

Moisture curing, polyurethane sealant, FDA approved for incidental contact with foodstuffs.

**203-412 Polyurethane sealant  
(Black, 11 oz cartridge)**

**203-389 Polyurethane sealant  
(white, 11 oz cartridge)**

Locks and seals hydraulic fitting without fouling the system. Removable with hand tools

**203-408 Hydraulic thread sealer**





Sealant for bond-in type bushings.

**203-535 Sealant-Bond-In Type Bushings**





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203-377	SuperLube	95
203-380	Rubber base adhesive	98
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203-390	R22 TK Screw compressor oil - 1 liter	95
203-394	"Mobil 28", 1 lb can	95
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203-397	Rubber base adhesive - 5 oz	98
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204-1129	Replacement jaw die	74
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204-953	Seal installer	45
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204-120	Tool - swedging 3/4"	5
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Ingersoll Rand's Climate Solutions sector delivers energy-efficient HVACR solutions for customers globally. Its world class brands include Hussmann, a manufacturer of refrigeration and food merchandising solutions, Thermo King, the leader in transport temperature control and Trane, a provider of energy efficient heating, ventilating and air conditioning systems, building and contracting services, parts support and advanced controls for commercial buildings and homes.