



THERMO KING

Tool Catalog

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

Revision 23

TK-5955-8-MS

TRANE
TECHNOLOGIES



TK 5955-8-MS (Rev 23, 4/17)

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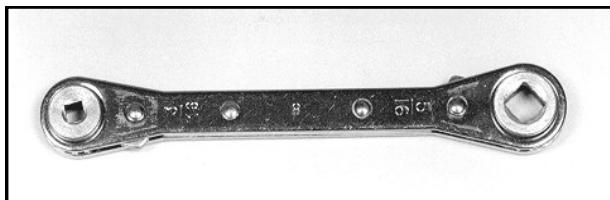


Refrigeration

Hand Tools

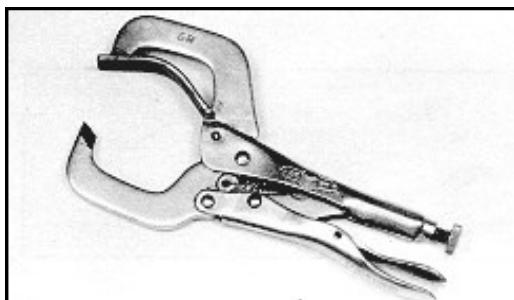
This wrench fits the common size of flare nuts used on Thermo King units. The 12 point jaw allows the tool to get into tight hard-to-get places where movement is limited.

2040811 Flare nut wrench 5/8" x 13/16"



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.

2040487 Wrench - ratchet



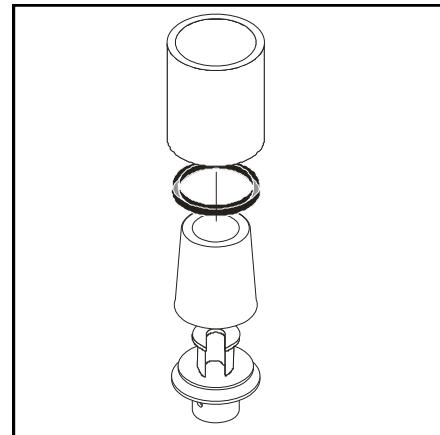
Separate the body sections of the 3-way valve without damaging the surfaces (See Refrigeration System Maintenance Manual, TK7515).

2040424 3-way valve gasket breaker



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.

20401008 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.

**2040962 Suction vibrasorber wrench,
2-1/16"**

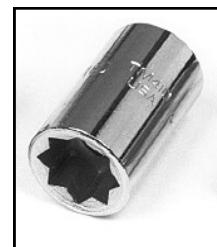
**2040491 Suction vibrasorber wrench,
2"**

**2040492 Suction vibrasorber wrench,
1-5/8"**

R



2040196 Socket - 3/8" w/1/4" drive





Hand Tools



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

2040941 Tube bender - 1/2" inch



Used with Kit 100545 and installation procedure to modify the Roadside coil assembly bracket on units (T-570/580/600/680/800/880) built between 06/2013 and 06/2015 to update to new Micro-channel radiator coil SPN: 672970

2043148 Assy Drill Guide For Small Unit Cond



Used with Kit 100546 and installation procedure to modify the Roadside coil assembly bracket on units (T-1000/T-1080) built between 06/2013 and 06/2015 to update to new Micro-channel radiator coil SPN: 672970

2043149 Assy Drill Guide For Large Unit Cond



Hand Tools

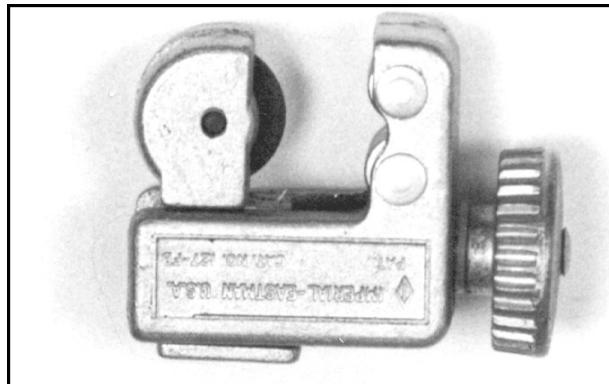
This tube cutter makes 90° cuts in copper refrigeration tubing. A foldaway reamer quickly removes burrs on the inside edge of the tube after cutting.

2040116 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.

2040493 Tube cutter



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

2041074 Magnet

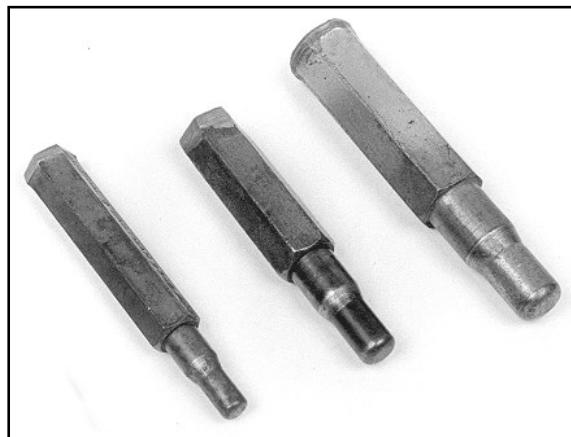


For expanding copper tubing to make sweat fittings. The 3/8" swedge expands a 3/8" tube to receive a 3/8" tube, etc.

2040117 Tool - swedging 3/8"

2040118 Tool - swedging 1/2"

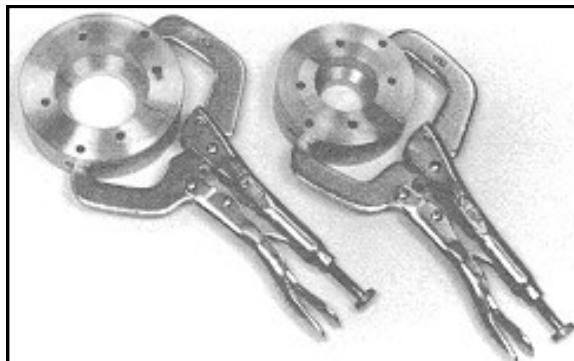
2040119 Tool - swedging 5/8"





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

- 2040109 Brush - copper tubing, 3/8"**
- 2040110 Brush - copper tubing, 1/2"**
- 2040111 Brush - copper tubing, 5/8"**
- 2040112 Brush - copper tubing, 3/4"**



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

- 2040583 Heat sink, suction vibrasorber**
- 2040584 Heat sink, discharge vibrasorber**



Hand Tools

Features

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



R

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

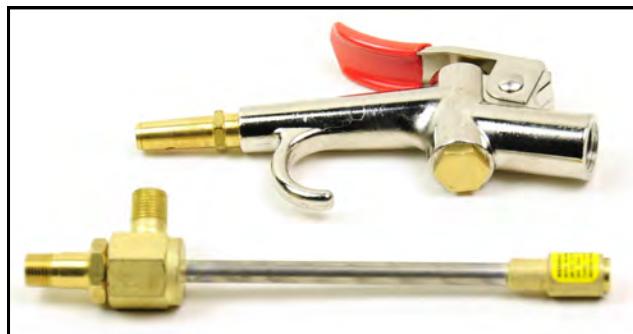
2040950 Blow gun safety type

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

Features

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

2041180 Vortec tube kit





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

2040808 Snap ring pliers



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.

2040677 Hose Cutter

2040678 Replacement blade



Used to push the blower fans off the motor shaft on Precedent units.

2042960 Blower Puller



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.

2041029 Pocket Wind Meter



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This tool will be needed to facilitate in the removing and installation process of the evaporator motor once this service hump is removed on Precedent units after January 2014.

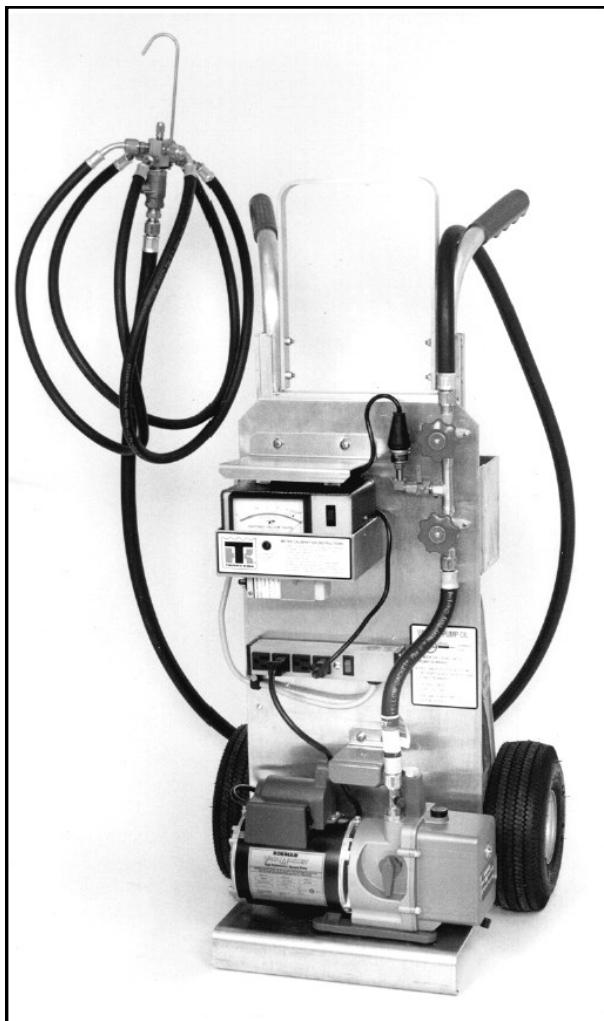
2042654 Evaporator Motor Removal





THERMO KING

Refrigeration



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

2040725 Station - evacuation 120V

Replacement parts:

2040713	Pump - vacuum, 120V	1
2040721	Sensor	1
2040735	Hose - 1/2" x 108"	1
2040722	Standard calibration	1
2040720*	Meter - micron 120V	1
2040743*	Meter - micron 220V	1
2040734	Hose 3/8" x 48"	3
2040732	Manifold assembly	1
2040733	Valve - ball 1/2"	1
2040803	Hose 1/2" x 14 inches	1
2040819	Depressor valve - 1/4" flare	3
2030419	Oil - vacuum pump 1 gal	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.

20401106 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

2040713 Vacuum pump 120/1/60

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

2030419 Oil - vacuum pump (1 gal)



R

Warranty information provided in the Shop Supply section.

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)

2040526 Test manifold

Replacement parts:

- | | |
|---------|---------------------------|
| 2040561 | Gauge - high pressure |
| 2040562 | Gauge - compound pressure |





THERMO KING

Refrigeration



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

2040758 R134a Manifold gauge set F° scale

Replacement parts:

- 2040782 O-ring (4)**
2040783 Hand wheel set (2)
2040785 Gauge - pressure R134a F°
2040791 Coupler - discharge
2040792 Coupler - suction
2040797 Connector
2040850 Yellow hose 72"
2040851 Red hose 72"
2040852 Blue hose 72"

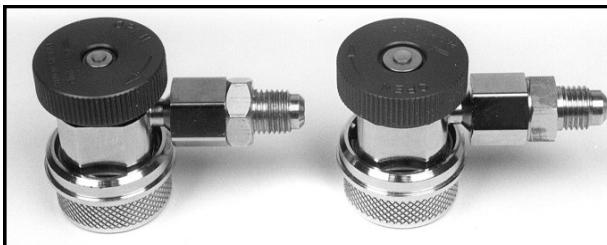
R134a Tools

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

2040791 Coupler - discharge, w/red knob

2040792 Coupler - suction, w/blue knob





Gauge set for R134a, R404a & R407c refrigerants.

2041925 Manifold Gauge Set



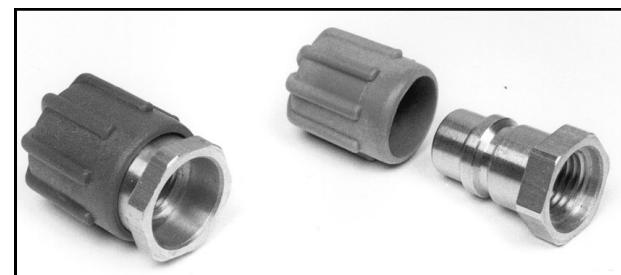
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Adapter for retrofitting units with 1/4 inch male flare fitting to 1/2 inch male Acme thread fitting. The adapter features a unique valve depressor which allows the schrader valve in the flare fitting to continue to function. Includes color coded,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

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

667179 Adapter - discharge, (w valve, red cap)

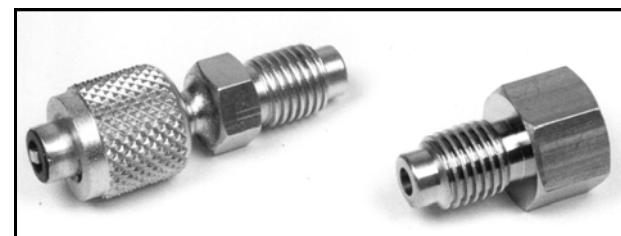
667181 Adapter - suction, (w valve, blue cap)



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

2040794 Adapter - 1/4 mfl x 1/2 Acme

**2040793 Adapter - 1/4 mfl x 1/2 Acme
(for permanent applications)**





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.

**2040760 Electronic scale for charging and recovery of refrigerant
120V**

2040777 Heater blanket for refrigerant tank (Fits 30 & 50 lb. tanks)



This tool uses an oil-less compressor to reduce the possibility of cross contamination of the refrigerant oil, it 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.

**2041042 Refrigerant Recover
115V 60 Hz**

**2041043 Refrigerant Recover
220-240V 50/60 Hz**

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2040982 Tank with float switch 30 lbs capacity



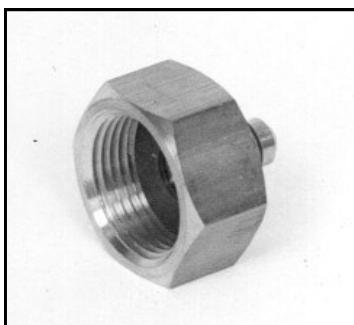
This tool has been designed to be used for draining and replacing the oil in a compressor and will greatly reduce the time required to change the oil and virtually eliminate messy oil spillage.

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

2040750 Compressor oil drain and fill tool

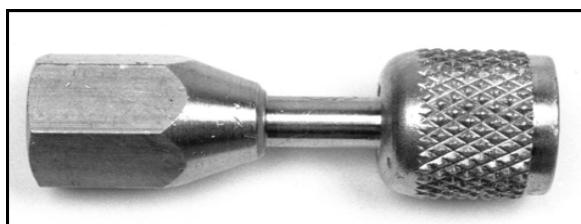


Refrigeration Couplings



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

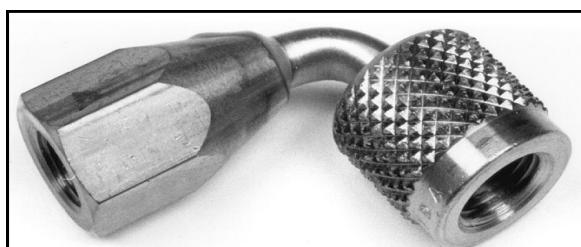
2040169 Adapter - refrigeration drum



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 depressor valve.

2040626 Adapter - gauge fitting

2040853 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.

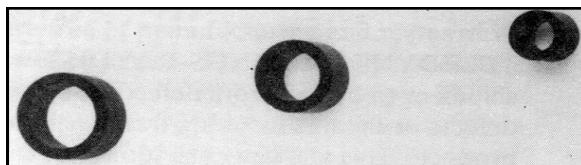
2040827 Quickcoupler 1/4 straight x 1/4" mfl

2040826 Quickcoupler 1/4" 45° x 1/4" mfl



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

2040819 Depressor valve—1/4" flare



Replacement gasket for charging hoses

330227 1/4" hose

3301583 3/8" hose

3301582 1/2" hose



Refrigeration Hoses

These premium refrigeration services hoses use self-sealing fittings to reduce venting of refrigerant during servicing of refrigeration equipment.

- 2040761 Hose - blue, 6 ft**
- 2040762 Hose - red, 6 ft**
- 2040763 Hose - yellow, 6 ft**
- 2040764 Hose - yellow, 12 ft**
- 2040823 Repair kit - Quick seal end**
- 2040824 Repair kit - std end**



R

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.

- 2040865 Hose - red 45° QC 48"**
- 2040867 Hose - yellow 45° QC 12"**
- 2040870 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

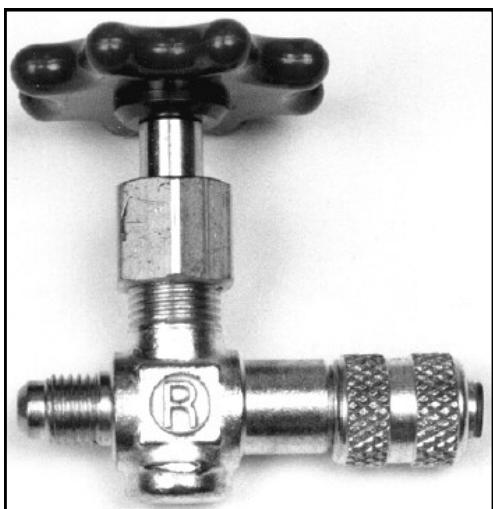
2040735 Hose - evacuation, 1/2"

3/8" Evacuation hose features:

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

2040734 Hose - evacuation, 3/8"

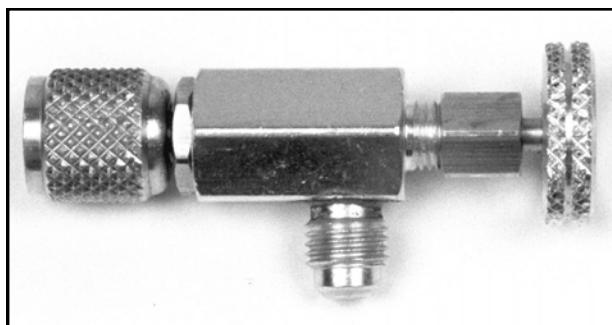




Hand Valves

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.

2040757 Purge valve



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

2040625 Access valve actuator/back seating



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".

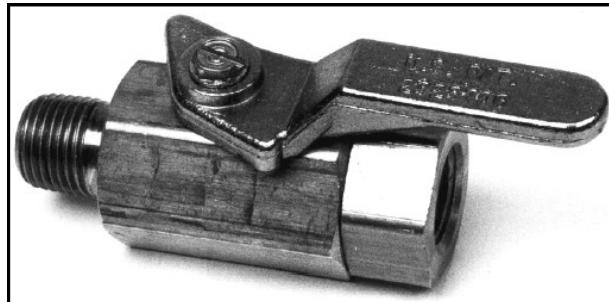
2040732 Manifold assembly



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.

2040802 Ball valve - 1/8"



R

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.

2040733 Ball valve - 1/2"



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.

2040862 Adapter hose - 1/4" yellow

2040863 Adapter hose - 1/4" blue

2040864 Adapter hose - 1/4" red





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

2040888 Leak detector

Replacement parts

2040771 Sensor

2040773 Tip/filter kit



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.

2041013 Tester R134a gas source

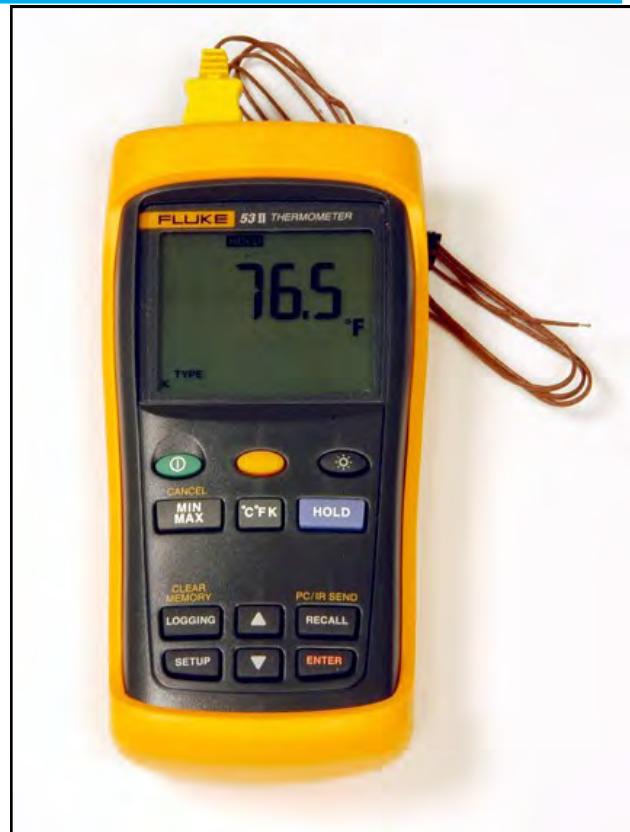


Electronic Thermometer

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

2041103 Thermometer

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



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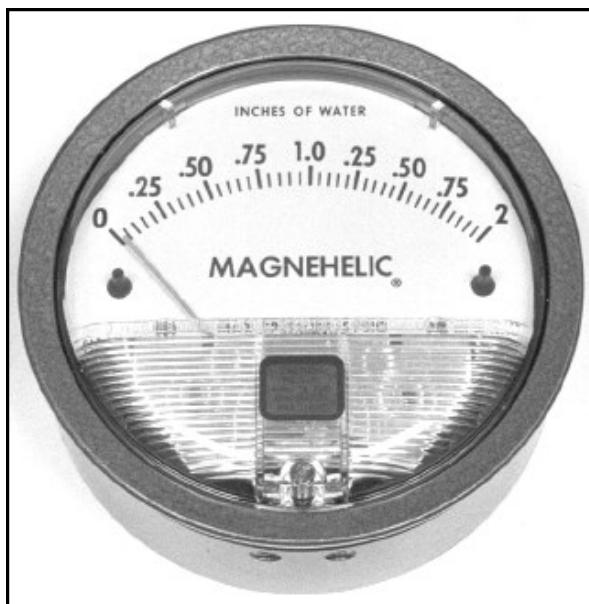
Noncontact thermometers

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.

2041059 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

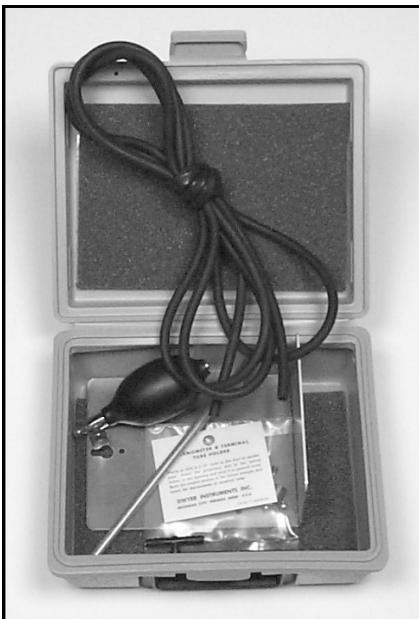




Pressure Gauge

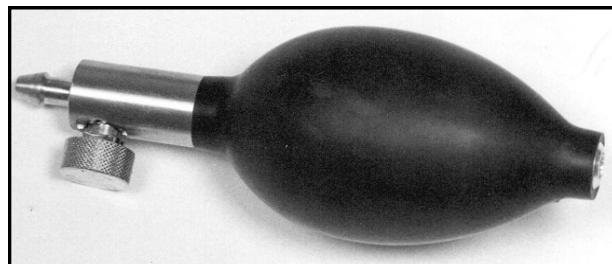
Use for testing, calibrating and adjusting the air defrost switch. Measures the pressure differential in inches of water. 0 to 2.0 inches in 0.05 increments range.

2040442 Pressure gauge



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

2040497 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 204-442 pressure gauge.

2040494 Bulb and Valve



THERMO KING

Refrigeration



THERMO KING

World Leader in Transport Temperature Control

TK 2000 Speedy Clip System

See TK51183 for Speedy Clip System

R

Use this plier 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.

2041045 Clip Pliers #4 to #12 hose



Use this plier 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.

2041128 Clip Pliers #16 hose



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

2041044 TK 2000 hose set





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.

2040712 Leak detector (H10G)

Replacement parts

2040771 Sensor

2040773 Tip/filter kit

2040821 Tip probe

2040828 Calibration reference



THERMO KING

Refrigeration

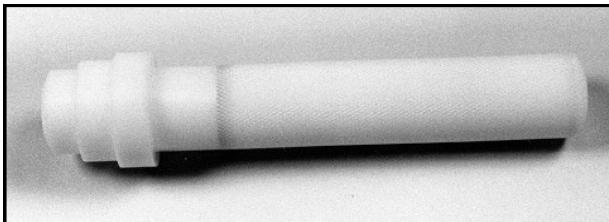
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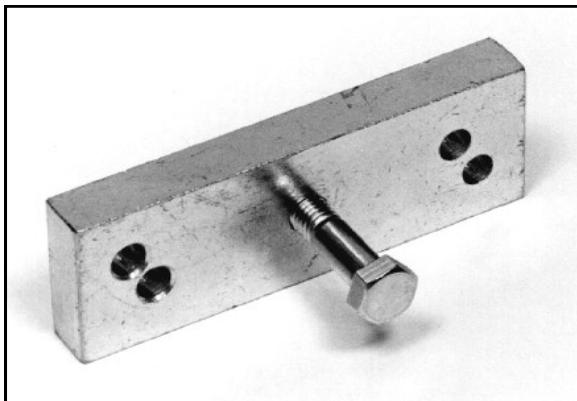
THERMO KING

Compressor



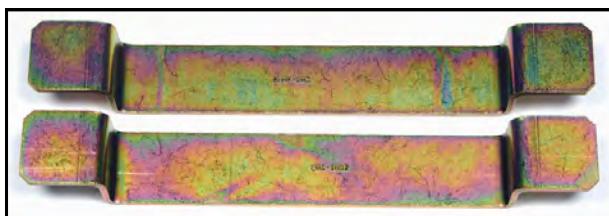
Installer for the 1.0 or 1.188 inch stainless steel bellow seal. This tool is designed so it will not touch the polished surface of the seal.

2040953 Seal installer



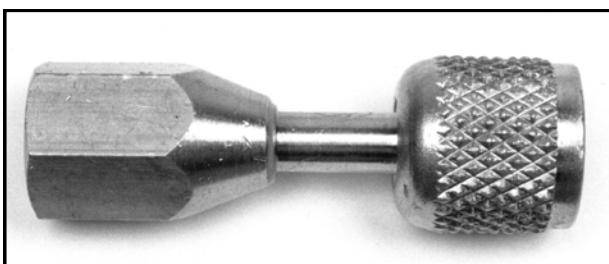
Removes the drive coupling from the compressor crankshaft. Attach to the coupling and turn the screw against the end of the crankshaft. This puller will also remove the OM636 camshaft.

2040139 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.

2041087 Tool - compressor installation (set of 2)



Used to take oil pressure readings from the compressor service ports with depressor 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 depressor valve.

2040626 Adapter - gauge fitting

2040853 Adapter - gauge fitting 90°



2040796 Compressor oil drain adapter



Removes the clutch from the bus air conditioner
TK screw compressor.

2041130 Clutch puller

Replacement parts for 204-1130 clutch puller.

Part No.	Description
2041131	Collar - pulley removal
2041132	Wrench spanner
2041133	Tool - pulley installer
2041134	Bolt
2041135	Tool - inner and outer seal
2041136	Adapter - retainer nut



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

2041147 TK high torque clutch bearing removal & installation tool

C



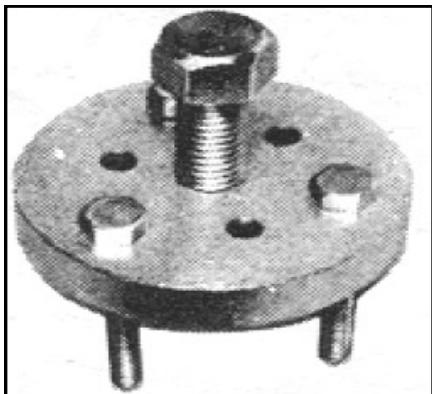
Use this tool to remove the crankshaft with its bearing, refer to SB542.

2041153 Compressor X426/430



THERMO KING

Compressor

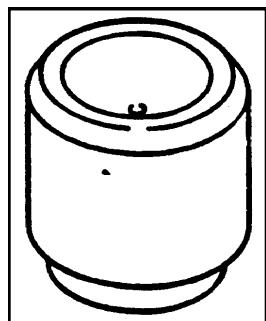


Sanden Compressor Tools
(used on TNT, CB and STB)

2040559 Front plate puller



2040560 Shaft protector



DKS-26 Compressor Tools

2040693 Puller - center pulley



Grease gun for bus compressor clutch.

2040477 Grease gun



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

2040475 Grease - red (low temp)

2040476 Grease - green (high temp)

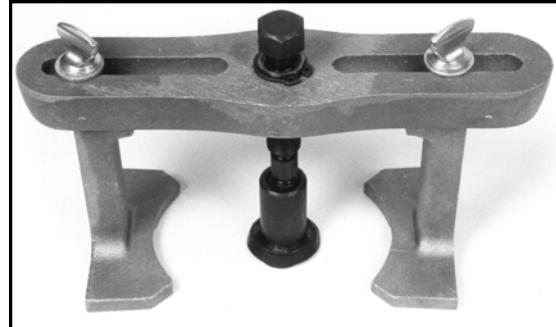


THERMO KING

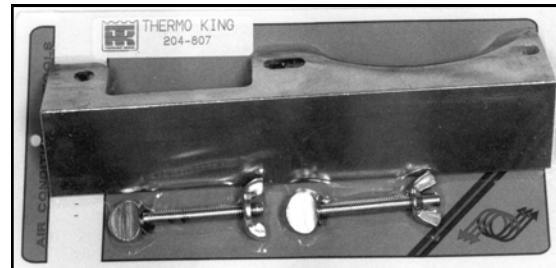
Compressor

Seltec Compressor Tools
DKS 15 CH

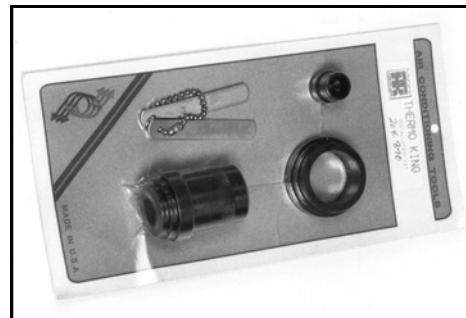
2040806 Clutch puller kit



2040807 Compressor holder



2040890 Pulley installation kit



C



THERMO KING

Compressor



TK Compressor Tools

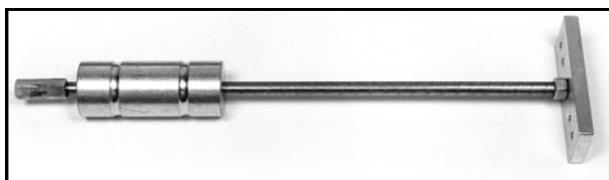
Quickly installs and removes the check valve from the X426 & X430 compressor.

2040464 Check valve removal tool



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

2040244 Wrench - sight glass

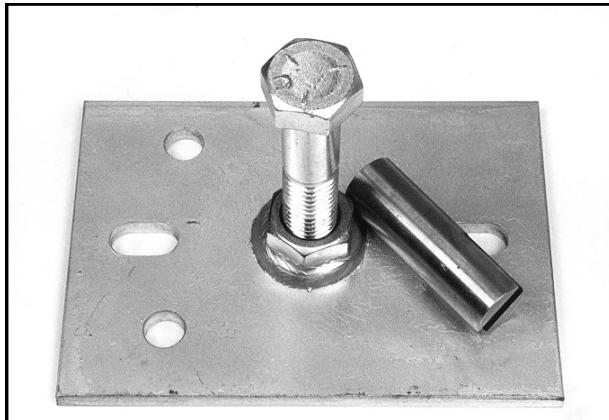


Attach this tool to the oil pump cover and pull the bearing plate loose without damage. The other end of the puller will pull the shaft from closed end belt idler pulleys.

2040638 Puller - pump bearing plate (slide hammer)

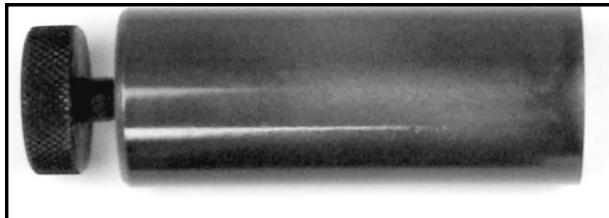
Replacement parts

2040640 Adapter 1/2-20 x 5/16-18



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

2040483 Tool - puller plate



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

2040995 Compressor seal installer

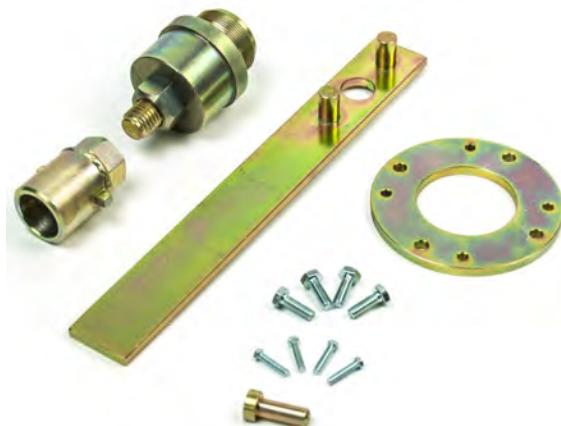


Removes the clutch from the bus air conditioner 426/430/640 compressor (see Service bulletin #83 TK6977 for further information).

2040481 Clutch puller

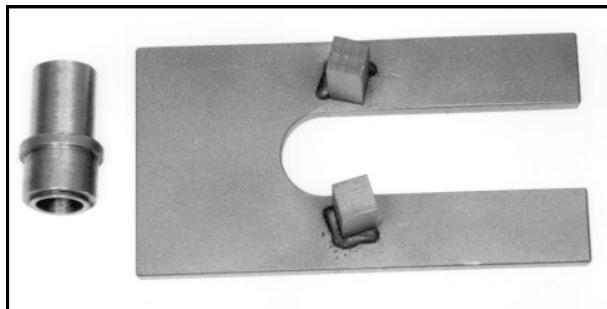
Replacement parts for 204-481 clutch puller.

Part No.	Description
2040704	Spindle - clutch puller
2040820	Adapter - retainer nut



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

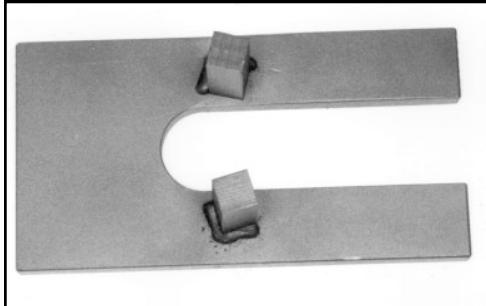
2041075 Compressor bearing puller



C

Compressor bearing plate for X640 compressors.

2041076 Compressor bearing plate



Replacement bushing for tools 204-1075.

2040999 Compressor shaft bearing



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

2040972 Keyway tool





THERMO KING

Compressor



2041139 Pin install tool



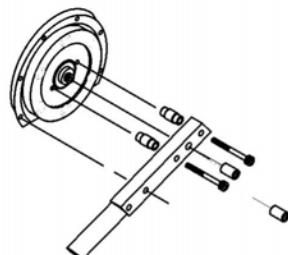
Drive coupling removal tool

2041154 Bushing removal tool

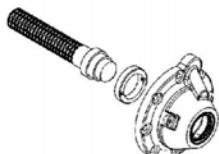


Drive coupling installation tool

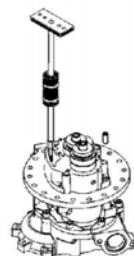
2041155 Bushing installation tool



Compressor Coupler
Removal Tool **2040991**



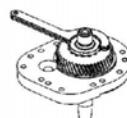
Hard Ring Installation
Tool **2040953**



Remove Dowel Pins
Slide Hammer Tool **2040638**
(Adapter Sold Separately)

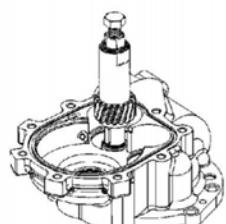


Slide Hammer Adapter
Tool **2041019**

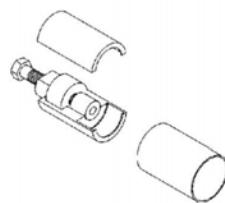


Spanner Wrench
Tool **2041012**

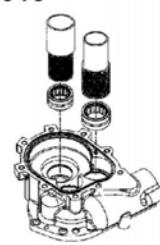
C



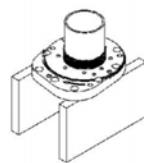
Install Driven Gear
Driven Gear Installation
Tool **2040957**



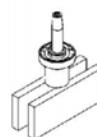
Driven Gear Puller
Tool **2040961**



Press Bearings Into Suction Housing
Outer Bearing Race Installation Tool **2041010**



Press Bearing Into
Gear Cover
Bearing Installation
Tool **2040958**



Press Drive Shaft
Out of Bearing
Bearing Removal
Tool **2040959**



Torque Wrench
2041006



3/8 inch Square Head
2041003
Used with Torque
Wrench **2041006**



8 mm Socket Head
2041001
and 6 mm Bit **2041004**
Used with Torque Wrench
Tool **2041006**

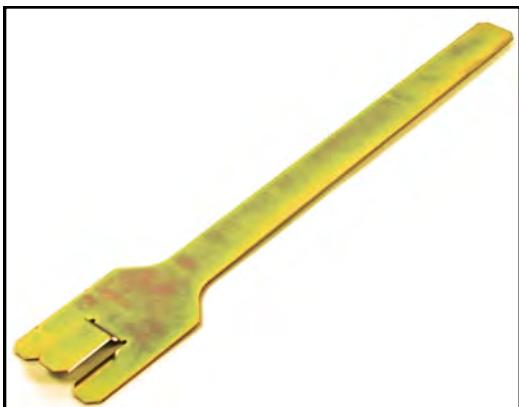


6 mm Socket Head
2041002
and 5 mm Bit **2041005**
Used with Torque Wrench
Tool **2041006**



THERMO KING

Compressor



Used to help remove the poly v belt on the Precedent clutch drive.

2041977 Belt installation



This tool keeps the Precedent clutch pulley from rotating, when used with tool 204-1956 to remove the Precedent clutch.

2041978 Anti rotation bar



Loosens the Precedent clutch from the compressor crankshaft.

2041956 Clutch bolt puller



Used to insert the Precedent drive pins.

2041976 Drive pin insert



Used to insert & remove the drive bushings from the Precedent clutch.

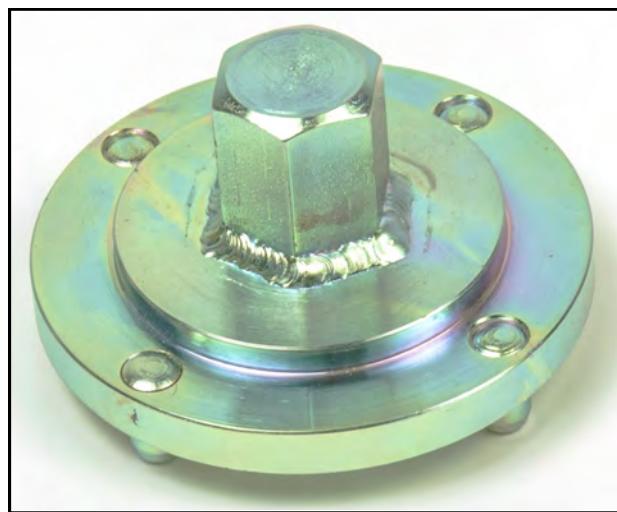
2041955 Bushing insertion tool



C

For high torque clutch

2041200 Spanner wrench





THERMO KING

Electrical



This kit is used to communicate, troubleshoot, flashload & 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

2041927 IntelligAIRE III CAN diagnostic



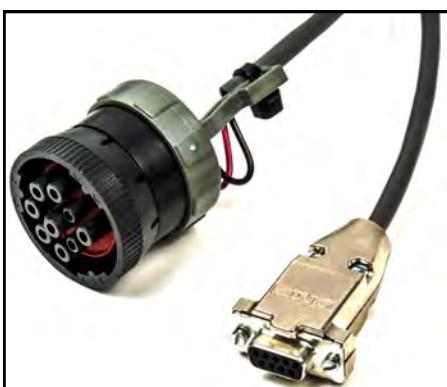
IntelligAIRE III main module Flashload, 9 pin serial to 9 pin serial (part of 204-1927 IntelligAIRE III kit)

420383 Download cable



IntelligAIRE III main module Flashload, USB to 9 pin serial, (part of 204-1927 IntelligAIRE III kit)

420575 Adapter USB to Serial



IntelligAIRE III Can Diagnostic software, 9 pin serial to Deutsch (part of 204-1927 IntelligAIRE III kit)

420576 CAN diagnostic interface



IntelligAIRE III Can Diagnostic software, USB to 9 pin serial, For use with 42-0576. CD contains software/drivers for adapter (part of 204-1927 IntelligAIRE III kit)

2041917 USB to CAN interface



This kit is used to communicate, troubleshoot, flashload & diagnose TK bus units with ClimaAIRE II controllers.

Kit Includes

- PC cable
- AC Adapter
- PC Software

2041094 ClimaAIRE II connect kit



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

2041088 IntelligAIRE II Smart Pac kit



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

2041095 Controllers, mP-IV, V, VI, VP, TG-VI, Multi-Temp & HMI





THERMO KING

Electrical



CanAIRE connection kit

2041911 Cable kit



2041855 Tester alternator & starter



2041046 Tester valve stepper



Testers & Meters

Digital battery tester for group 31 batteries. Tests flooded lead acid, AGM and gel batteries with ratings from 100 to 2000 CCA.

2041959 Battery tester w/o printer



E

Digital battery tester for group 31 batteries with built in printer. Tests flooded lead acid, AGM and gel batteries with ratings from 100 to 2000 CCA.

2041960 Battery tester w/ printer





THERMO KING

Electrical



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

2041079 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

2040947 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

2041923 AGM battery charger 50 amp



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

2041916 SR-2 truck diagnostic tool



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

2041143 Fault reader Espar



2041150 Tester iBox & modem



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THERMO KING

Electrical



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.

2040857 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.

2040998 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.

2040858 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.

2040856 Tester - uP IV Multi-temp



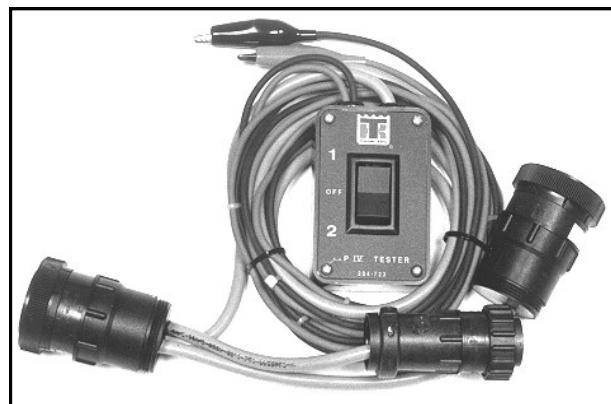
Tester for the SB-III SR and Super-II SR pc board with 8 relays. (Refer to TK 40489 Publications for instructions).

2040698 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.

2040723 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.

2040724 Adapter - uP IV





THERMO KING

Electrical



Exxodiag tool for TKDV6NR Engine ECUs used in GenSets. Available to marine dealers and customers only

2041993 TKDV6NR Engine Diagnostic Tool - Marine

Exxodiag tool for TKDV6NR Engine ECUs used in trailer refrigeration units and GenSets. Available to trailer dealers and customers only

2041994 Tool TKDV6NR ENGINE ECU TRU Fleet - Level 1

Exxodiag tool for TKDV6NR Engine ECUs used in trailer refrigeration units and GenSets. Available to trailer dealers only

2041996 Tool TKDV6NR ENGINE ECU TRU Dealer - Level 3



Dealer level tool for connecting to the Yanmar ECU for diagnostics. Required for major component replacement (ECU, Injectors, DEC, etc.). Only available to Thermo King dealers

204-1969 Yanmar ECU Diagnostic tool - Dealer

Fleet level tool for connecting to the Yanmar ECU for diagnostics.

2041970 Yanmar ECU Diagnostic tool - Fleet



ThermoServ is the diagnostic and OptiSet tool for SR4 controllers. Includes USB A to A cable, USB A to mini-B cable, and a flash drive with the ThermoServ Software included. Flash drive can be reused to do flash-loading of OptiSet profiles and downloads.

2041985 ThermoServe and Cable



Used to connect from the PC to SR-4 controller via the external "PC Only" port. This is a component of 204-1985.

2041973 SR-4 Connecting Cable



Used to connect from the PC to SR-4 controller.

2042000 USB cable 1.1



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2041950 4 Key Display IntelligAIRE III





THERMO KING

Electrical



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.

2041930 SR-2/SR-3 Diagnostic tester



421318 Cord SR-2 truck diagnostic

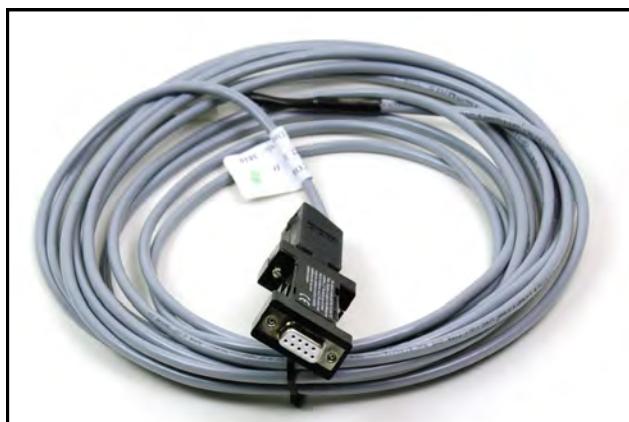


2041151 Converter RS485-RS232



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

2041152 Cable voltage reset



E

TranScan 6 meter screened cable thermistor probe.

2041070 Thermistor probe 6 meters



Transcan 18 meter screened cable thermistor probe.

2041071 Thermistor probe 18 meters





THERMO KING

Electrical



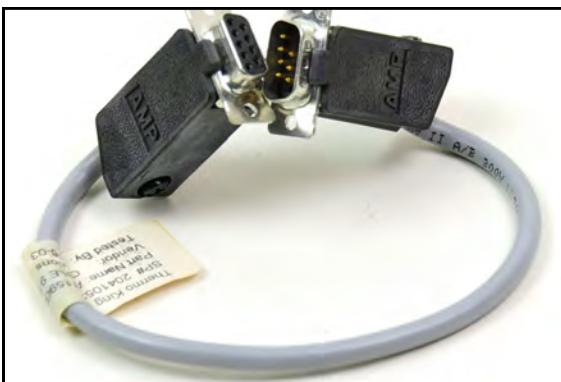
5-pin Cannon bayonet to 15-pin D connector.

2040974 Data cable



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

2040975 Data cable



9-pin connector to 9-pin connector.

2041053 Data cable



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

2041940 Diagnostic harness



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

2041093 Data cable



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

2041126 Download cable



TriPac^e T-570R/T-580R and T-800/1000 M
download cable, refer to TriPac^e diagnostic manu-
al procedure A51A.



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

2041144 Harness primer pump



E



THERMO KING

Electrical



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

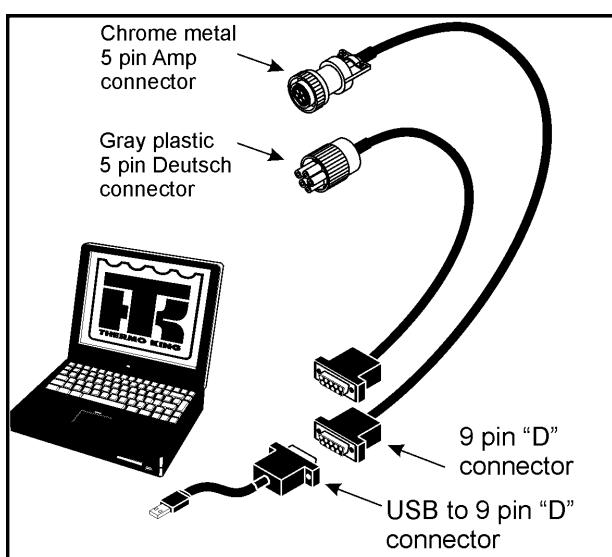
2041063 ClimaAIRE Control Module Tester



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.

2040849 IntelligAIRE I diagnostic



Download cable for IntelligAIRE II. Connects your computer to early IntelligAIRE II controllers which require a metal 5 pin connector .

2040888 Download cable for IntelligAIRE II.

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

2041040 Download cable (20 ft)

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

2041109 Cable—USB to 9 pin "D" connector



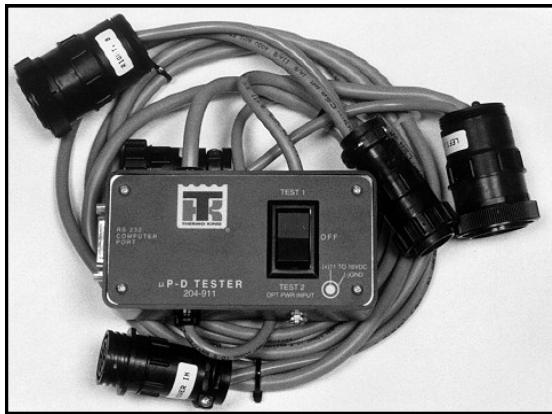
For operating uP truck units remotely. Comes with a 6 foot long cord so a technician can operate the unit, change set point, enter guarded access, and run diagnostics from at the unit (all of the same functions as the in-cab remote).

2041033 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.

2040911 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.

2040831 TG V controller tester



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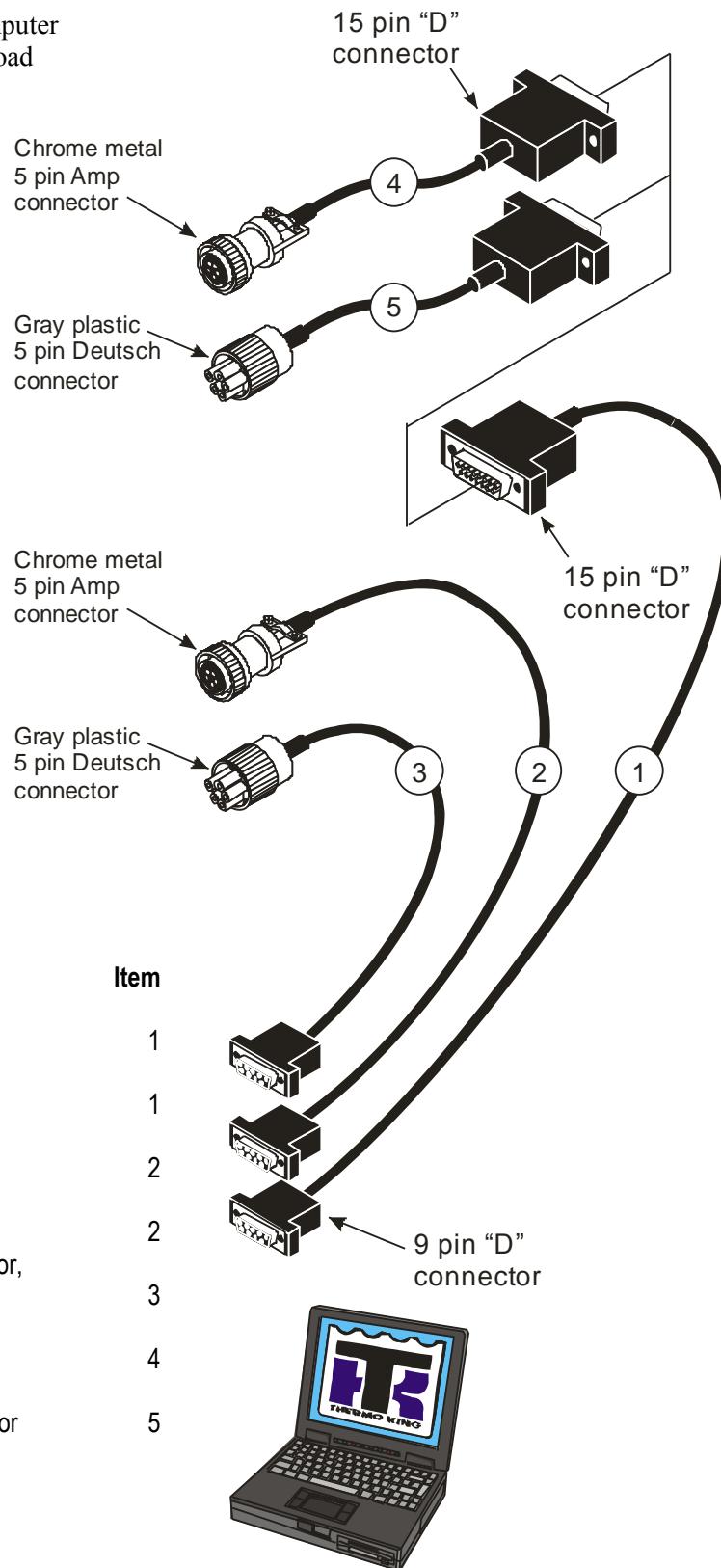
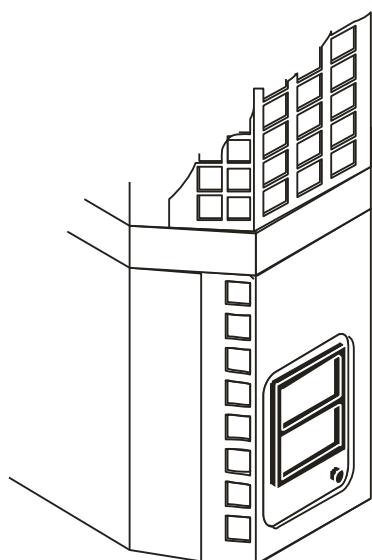
THERMO KING

Electrical

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.

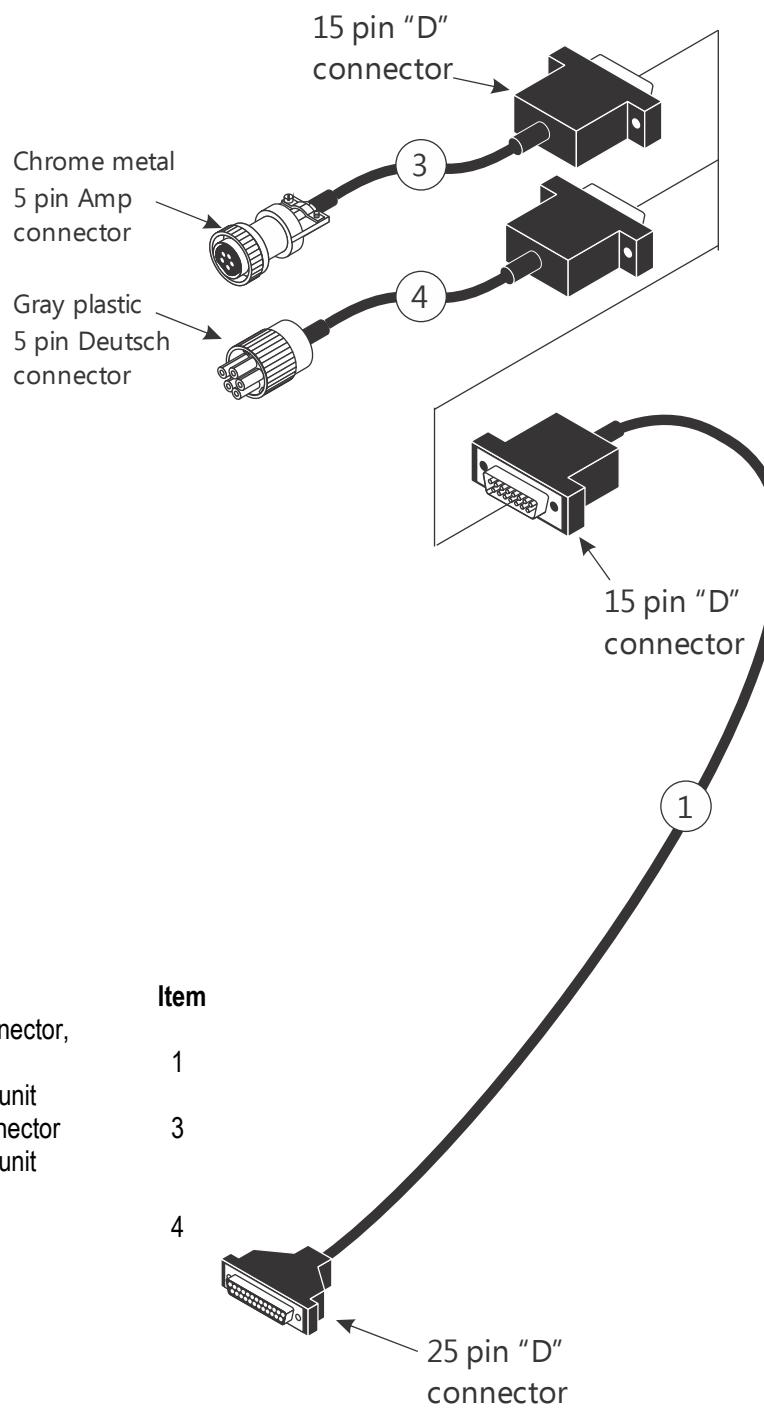
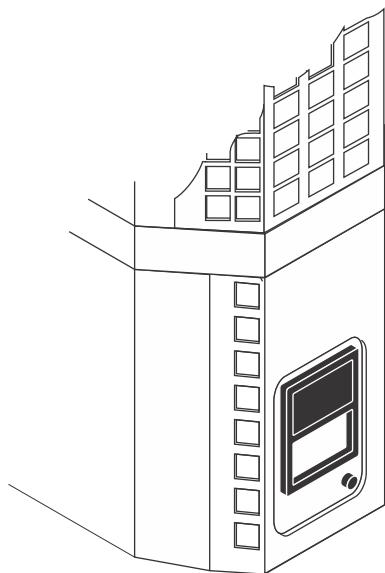
NOTE: Data cables are black
Printer cables are red





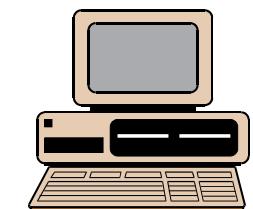
Download Cables for mP IV, V & VI to a Pre-Windows Computer

NOTE: Data cables are black
Printer cables are red



Part no.	Description
449420	Cable - data, 15 pin "D" unit connector, 25 pin "D" PC connector (50 ft)
2040871	Adapter - data cable, 15 pin "D" unit connector to 5 pin Amp unit connector
2040918	Adapter - data cable, 15 pin "D" unit connector to 5 pin Deutsch unit connector

Item
1
3
4



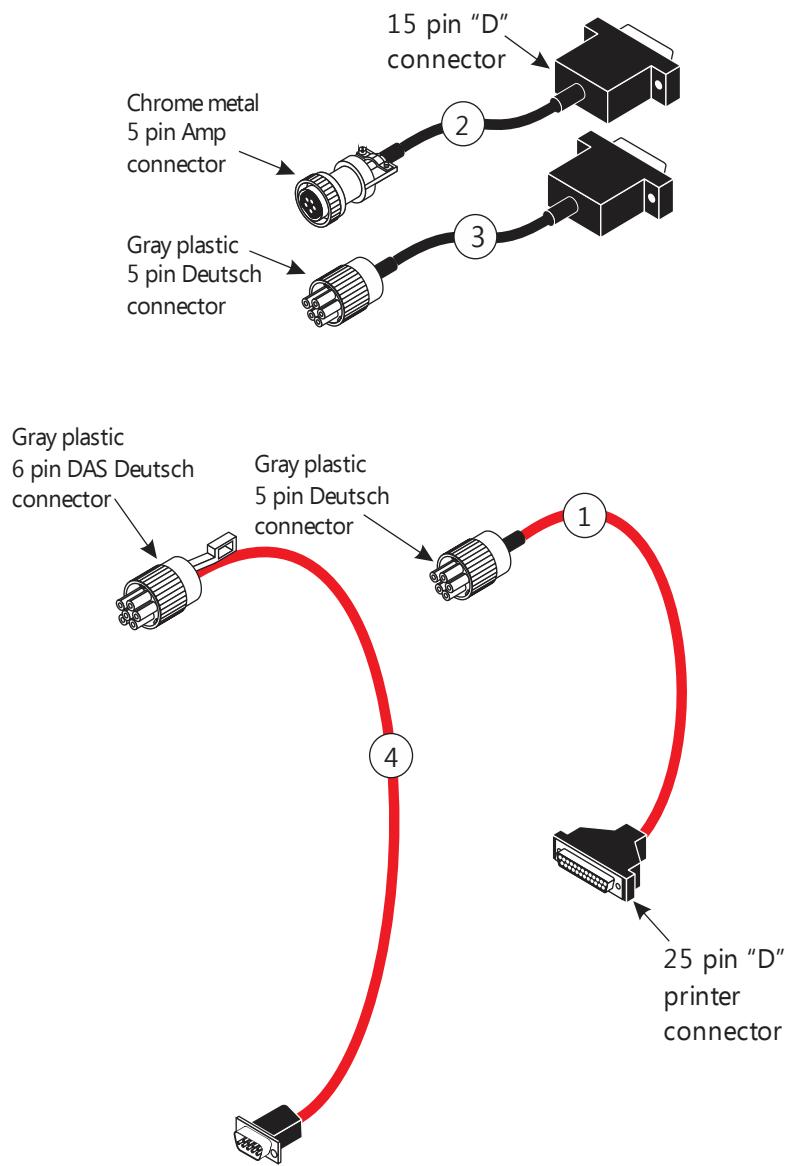
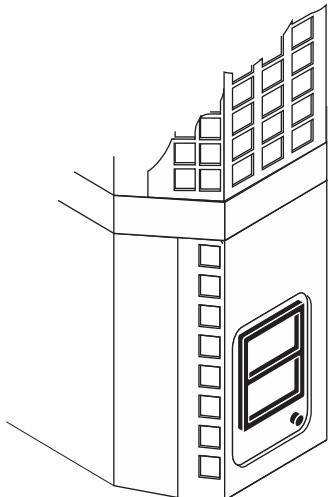


THERMO KING

Electrical

Printer Cables for mP IV, V & VI to Printer 2041020

NOTE: Data cables are black
Printer cables are red



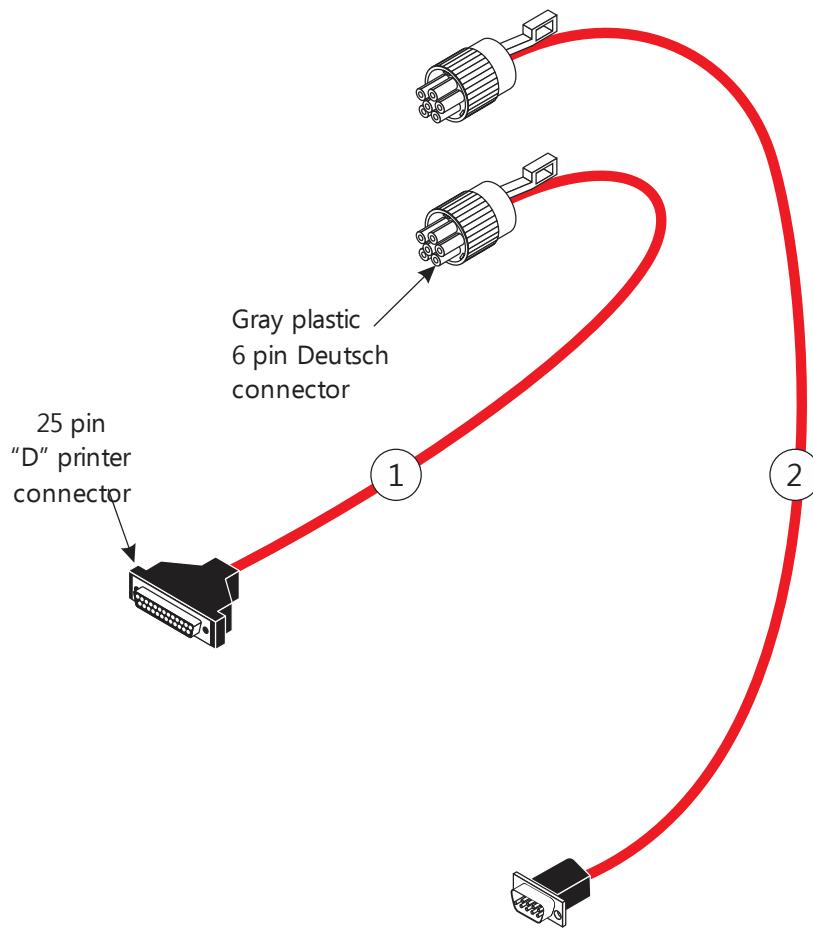
Part no.	Description
2041027	Cable - printer, 5 pin Deutsch unit connector, 25 pin "D" printer connector (6 M, 20 ft)
2040871	Adapter - data cable, 15 pin "D" unit connector to 5 pin Amp unit connector
2040918	Adapter - data cable, 15 pin "D" unit connector to 5 pin Deutsch unit connector
2041026	Cable - Printer, 6 pin Deutsch DAS connector, 9 pin "D" printer connector (20 ft)

Item
1
2
3
4



Printer Cables for DAS (Data Acquisition System) to Printer

Part no.	Description	Item
2041018	Cable - Printer, 6 pin Deutsch DAS connector, 25 pin "D" connector (20 ft)	1
2041026	Cable - printer, 6 pin Deutsch DAS connector, 9 pin "D" (20 ft)	2



E



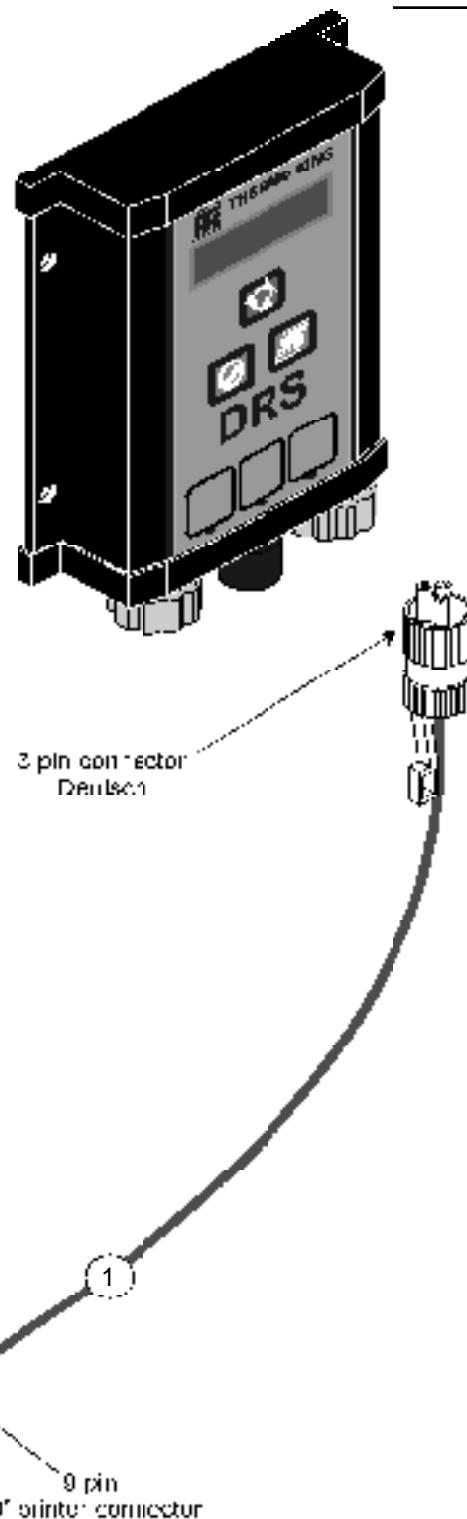
THERMO KING

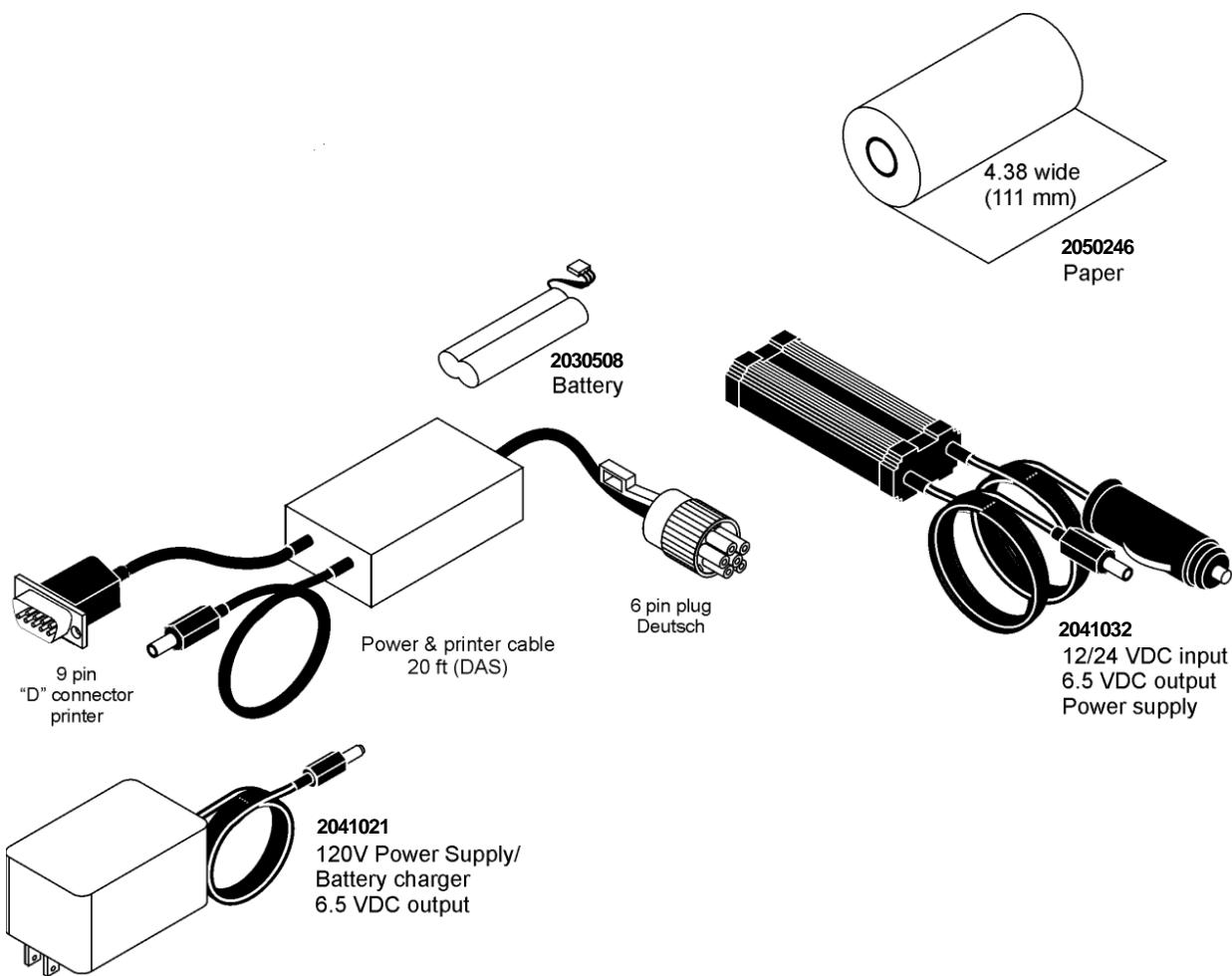
Electrical

Printer & Data Cables for DRS (Data Recording System)

Part no.	Description	Item
2041025	Cable - printer, 3 pin Deutsch DRS connector, 9 pin "D" printer connector (20 ft)	1

NOTE: Data cables are black
Printer cables are red



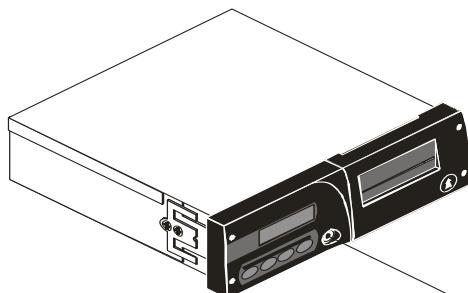


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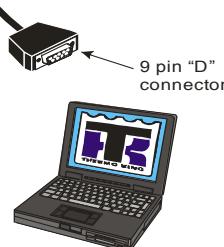
THERMO KING

Electrical

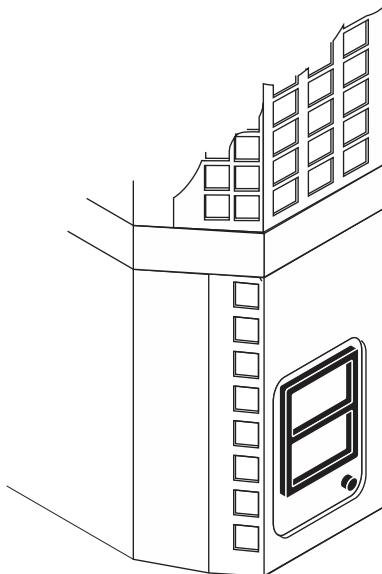


Data Cables for AccuTrac

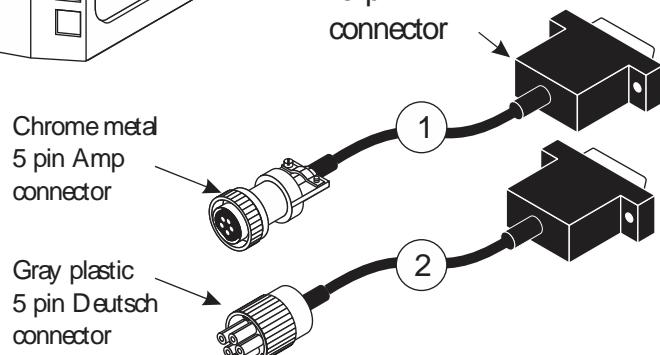
Part no.	Description	Item
2041086	Cable - communications (to computer)	1



NOTE: Data cables are black
Printer cables are red



Part no.	Description	Item
2040871	Adapter - data cable, 15 pin "D" unit connector to 5 pin Amp unit connector	1
2040918	Adapter - data cable, 15 pin "D" unit connector to 5 pin Deutsch unit connector	2





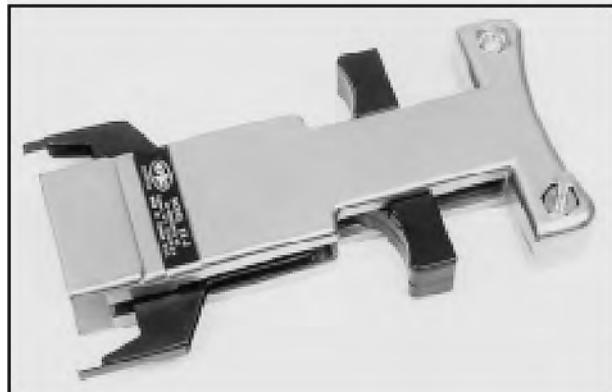
A personal grounding device to prevent electrostatic discharge when handling and/or servicing microelectronics circuits and components.

2040622 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.

2040636 Integrated circuit remover



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.

2041885 Chip extractor



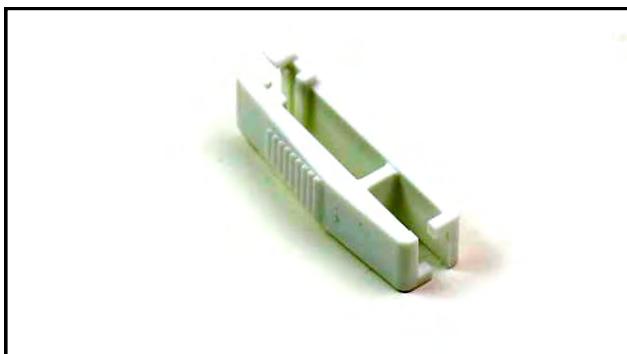


THERMO KING

Electrical



2041965 Eprom extractor



2041101 Fuse puller



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

2041060 Tool - crimper



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

2040799 Deutsch Wedge remover



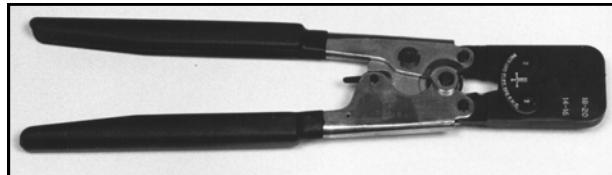
Removes the male terminal pins.

2040623 Tool - pin removal



For crimping terminals.

2040624 Tool - terminal crimper



Removes the pins and sockets from various Amp Multimate connectors.

2040737 Tool - Amp pin remover



E

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

2040976 Tool - pin removal



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

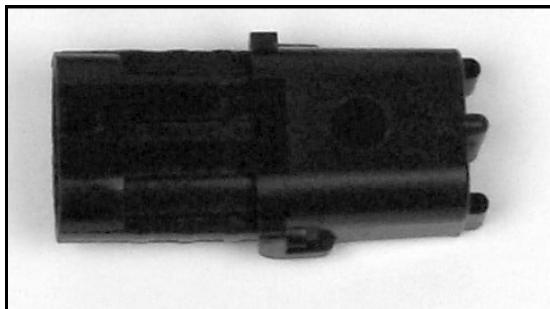
2041120 Tool - Amp pin remover





THERMO KING

Electrical



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.

2040969 Calibrator plug



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

2041124 Sensor installation tool



2041125 Sensor guide 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.

2040703 Kit - terminal crimper

2041038 Crimper Deutsch terminal



Adapter for testing the Cycle Sentry IV & V module.

2040637 Adapter - Cycle Sentry

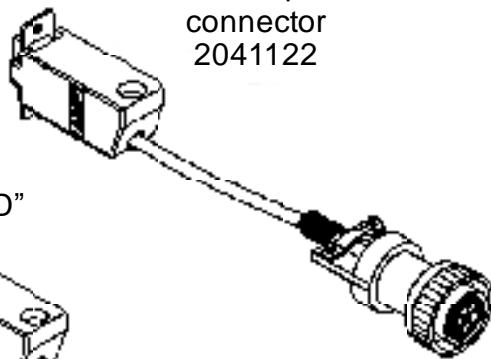


E

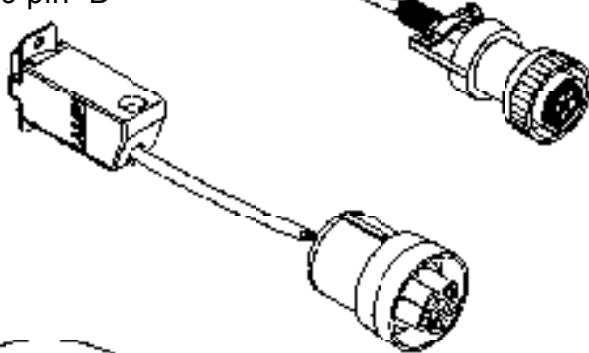


Download Cables for a HP2210 & Dell AXIM

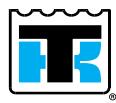
Download Data Cable 5-AMP unit connector to 9 pin "D" PC connector
2041122



Download Data Cable 5-Pin Deutsch unit connector to 9 pin "D" PC connector
2041121



Wintrac (Full Version) 2042847
(Upgrade Version) 2042959



THERMO KING

Electrical

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E



THERMO KING

Engine



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

2041890 Strobe light, 110V

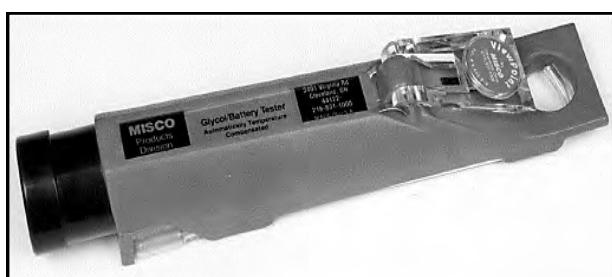
2041891 Strobe light, 220V

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.

2041057 Compression gauge



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% -84°F . It is accurate to within $\pm 2^{\circ}\text{F}$ and corrects for the fluid temperature, whether hot or cold.

2040754 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.

2040542 Gauge - compression tester

Order adapters separately

2040419 C201 Adapter

2040672 Adapter 19mm x 1/8 npt

2040675 TK 2.44, TK 3.66 & TK 3.88

(also needs 204-672)

204-1848 Tier II adapter

NOTE: Tool 2040675 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.



A

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

2041848 Adapter compression tester





Programs battery chargers for AIR-100 & AIR-200 units.

2041958 Battery charger programmer



Programs battery chargers for AIR-100 & AIR-200 units.

2042998 Tool, EGR Opener Mech



TK4DV6NR Locator Pins

Kit Includes

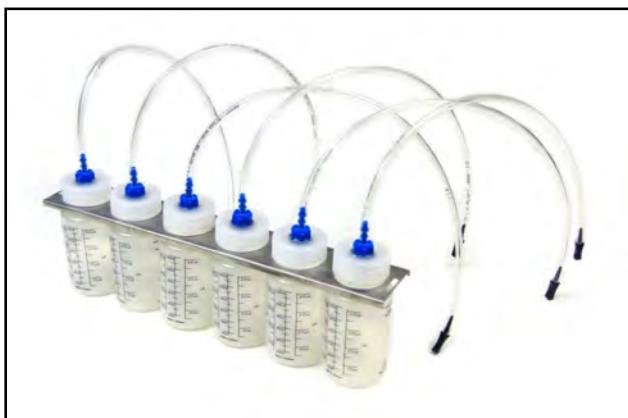
- 2 – 2042977 5MM Locator pin**
- 2 – 2042928 8MM Locator pin**

2042979 Timing Belt Tool kit



Tool used to electrically drive open and hold open the Yanmar engine EGR while cleaning.

2042980 Battery charger programmer



TKDV6NR Graduated containers used to capture, measure and hold fuel while conducting injector testing.

2042989 Container Injector



A



TKDV6NR Engine Injector adaptor used to capture and funnel fuel from the injector to the tubes that lead to graduated fuel containers while conducting injector tests.

2043104 Adapter, DV6NR Injector R



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

2041845 Adapter injector puller



Fuel bowl wrench for truck fuel pump 41-7059.

**2041166 Filter bowl wrench for electric
fuel pump**



2041941 Fuel filter wrench



Fuel bowl wrench for trailer fuel filter bowl 12-945.

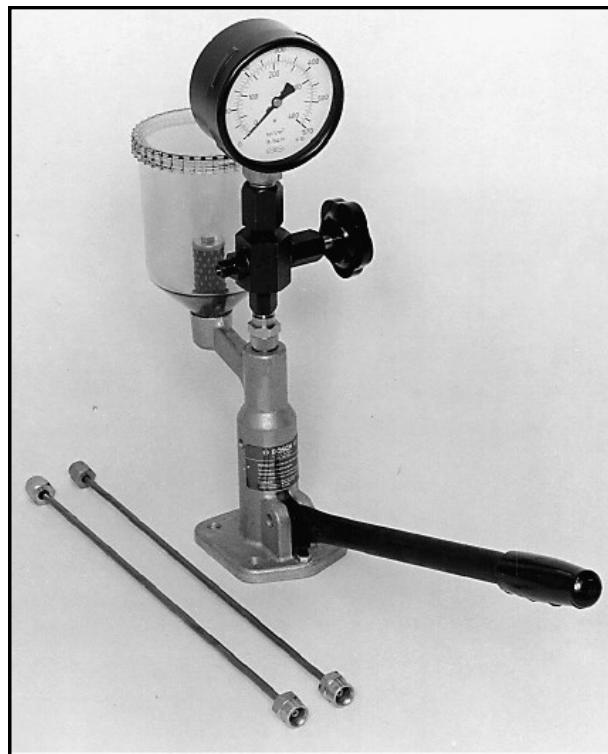
2041938 Fuel filter wrench



Diesel Engine Tools

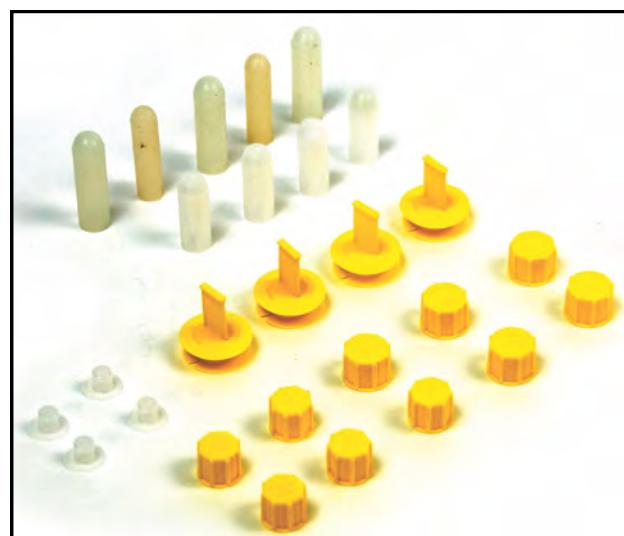
For testing nozzle “popping” pressure. The nozzle tester includes a pressure gauge for adjustment and extra test tubes. For further information on how to use the tester, see the Thermo King overhaul manual for your engine.

2040290 Tester Nozzle



TKDV6NR A kit of plugs for the fuel circuit, required when intervention on the fuel components (HP Pump, injectors).

2042224 Plug kit



A



THERMO KING

Engine



TKDV6NR A kit of plugs for cooling circuit / water outlet box.

2042225 Plug kit



TKDV6NR Cylinder head bolt socket.

2042223 Socket cylinder head



TKDV6NR Tool required to remove the camshaft pulley.

2042222 Pinion locking, belt



TKDV6NR Socket to remove oxygen sensor.

2042226 **Socket 22mm split**



TKDV6NR Used to remove the pinion off the high pressure fuel pump.

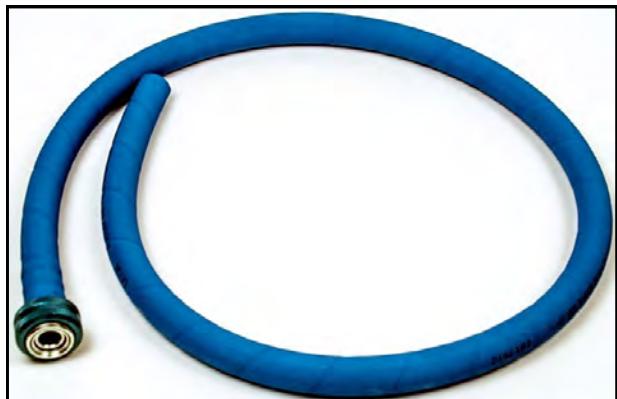
2042231 **HP pump pinion extractor**



A

Quick connect engine oil drain hose for Precedent units.

2041999 **Oil drain**





Holds the crankshaft when tightening or loosening the crankshaft bolt.

2042961 Crankshaft wrench



Remove and install Espar heater glow pins without damage

2041957 Glow Pin Tool



Tool used to remove the fuel bowl on a Tripac Evolution units.

2043103 Tool, Bowl Removal





THERMO KING

Engine

TKDV6NR Injector sealing washer extractor kit + well cleaning tool kit.

2042227 Injector tool



A

TKDV6NR Engine compressor test kit & belt replacement kit.

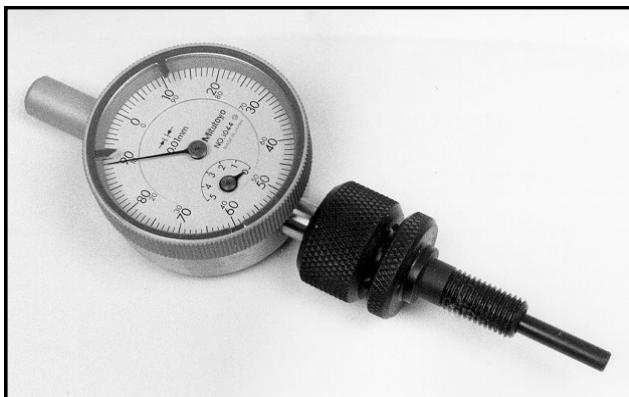
2042228 Engine tool 4DV6 NR





THERMO KING

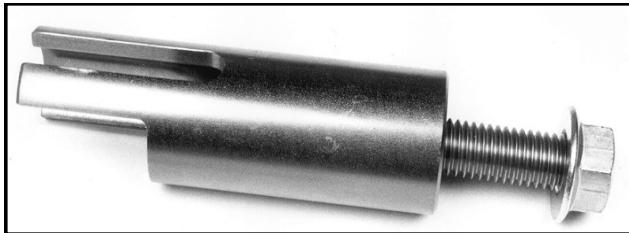
Engine



di 2.2 & se 2.2 Engine

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

2040589 Dial indicator - millimeter



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.

2040902 Injection nozzle puller



Replacement installer screw for the "speedi-sleeve" on the di 2.2 & se 2.2 engines.

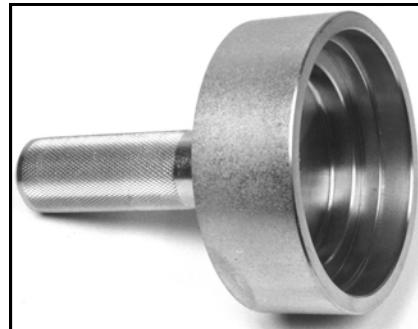
2040695 Installer screw



di 2.2 & se 2.2 Engine

Installs the rear seal hard ring.

2040755 Hard ring installer



TK 482/486

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

2041138 Front seal installer



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

2041116 Tool-Drive bushing installer (press type)

A



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

2041118 Tool-Drive bushing installer (impact driver)





THERMO KING

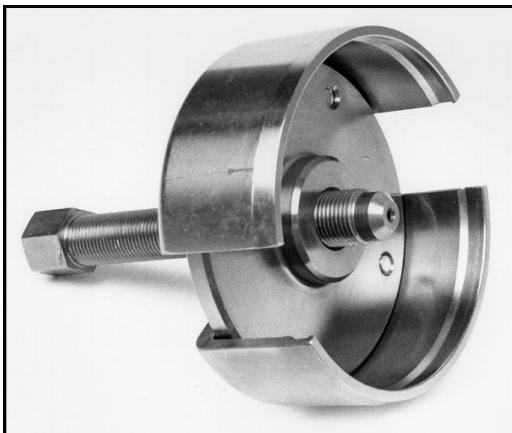
Engine

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.

2040847 Rear seal installer

2040908 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.

2040848 Rear seal remover



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

2040907 Front seal installer



TK 486 Engine

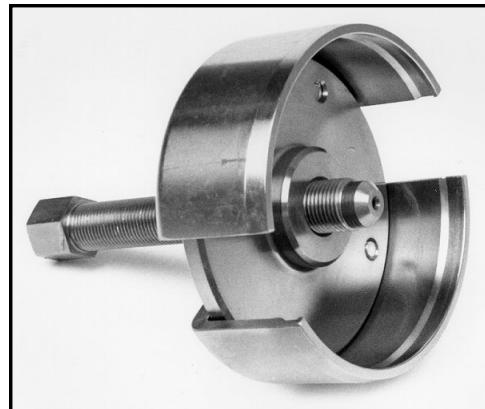
Installation tool for the rear axial crankshaft seal for the Yanmar 486 engine.

2040952 Seal installation tool

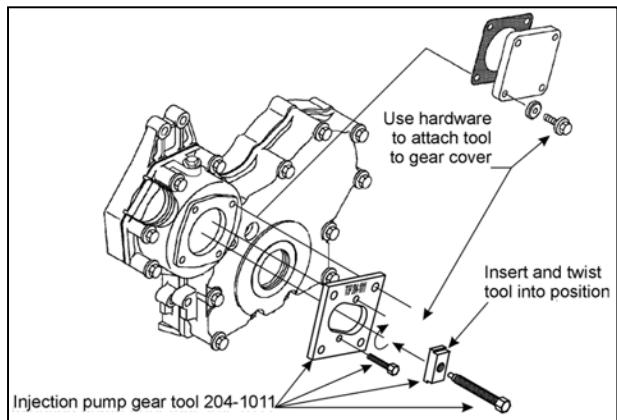
The TK 486 engines use a new rear axial crankshaft seal (33-2974). This tool is necessary to remove the seal, and avoid damaging the shaft.

2040994 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.

2041011 Injection pump remover



THERMO KING

Engine



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

2041842 Cooling system pressure tester



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

2041843 Coolant adapter



Cleans the EGR Cooler. Used on all Precedent engines. Designed to be used with 204-2379.

2030799 EGR system cleaner



Stainless steel bath used to heat Soot Scrubber solution for EGR Cooler cleaning.

2042379 Heating bath



A



Used to lock TKDV6NR Engine gear in place while servicing HP Pump.

2043107 Tool, Gear Lock





THERMO KING

Engine



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.

2040427 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.

2041078 Belt tension adjuster



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

2041915 Belt tension adjuster



THERMO KING

Engine

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.

2041198 Bus belt tension tester



Used to hold the TKDV6NR Engine Flywheel in place while tightening the harmonic balancer bolt.
2042971 Flywheel holding tool





Adhesive

Provides heat transfer for rectifiers, diodes and resistors.

**2030454 Heat transfer mastic
(silicone)**

Grease

2030524 3oz Super Lube grease
2030386 14 oz
2030394 1 lb can
2030476 Green Grease 3.5 oz

Sealers

Use as a gasket to seal evaporator components.

2030391 Permagum tape

Blue RTV silicone gasket compound (3 oz tube).

2030348 RTV silicone gasket

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

**2030392 Antiseize thread compound
(1 lb can)**

Red locking compound for refrigerant threads.

**2030393 Thread locking compound
(50 cc bottle)**

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

**2030400 Thread locking compound
(blue, 50 cc bottle)**

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

**2030412 Polyurethane sealant
(Black, 11 oz cartridge)**



Shop Supplies

Typically used in reciprocating compressors with R12 or R22 refrigerant*

670404 Compressor Oil - 1 Gallon

670426 Compressor Oil - 1 Gallon

Typically used in Screw compressors with R404a or R134a refrigerant*

2030515 Compressor Oil - 1 liter

Typically used in Scroll and 3DS compressors with R404a or R134a refrigerant*

2030964 Compressor Oil - 1 liter

Typically used in reciprocating compressors with R404a, R134a R452 or R407c refrigerant*

2030513 Compressor Oil - 1 liter

Typically used in TriPac and Shuttle applications with compact compressors (i.e. TK8, TK13, TK15, TK16, TK21 & TK312) using R134a or R404a refrigerant*

2030502 Compressor Oil - 8 fl oz

2030503 Compressor Oil - 8 fl oz

Typically used in Direct Drive Truck applications with Compact Compressors (i.e. TK8, TK13, TK15, TK16, TK21 & TK312) using R134a or R404a refrigerant*

2030504 Compressor Oil - 8 fl oz

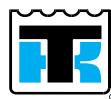
2030505 Compressor Oil - 8 fl oz



*See unit maintenance manual and records to assure oil compatibility.

Oil for vacuum pumps.

2030419 Vacuum pump oil, 1 gallon



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).

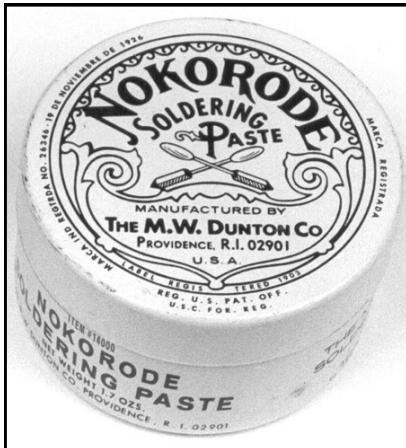
**2040167 Refrigeration soft solder
(1 lb)**

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

2030751 15% Silver solder (1 lb)

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

2030366 35% Silver solder (3 oz)



Use with solder 204-167.

2040417 Soldering flux



Use with solder 203-751 & 203-366.

2030365 Soldering flux

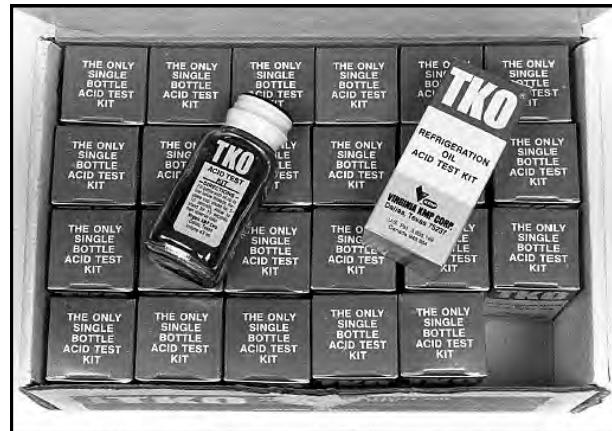


THERMO KING

Shop Supplies

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

2030346 Acid test kit



This new acid test kit has been specially formulated by Thermo King for use with Thermo King 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.
- Ships 12 per case

2030518 Acid test kit



S

**THERMO KING**

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