



## *Genuine Parts Catalog*

*The finest parts engineered with unmatched quality and reliability.*



# We've got you

Every Genuine Thermo King Part is backed



## Nationwide Warranty

Thermo King provides unparalleled service coverage through a nationwide warranty program. No matter where you are, your unit is covered!

## 24-Hour Mobile Service

Thermo King's Uptime trucks deliver expert mobile service 24/7, making sure you're never alone out on the road.



Expert Service and Support at over  
**200 Dealers Nationwide!**

# Covered!

by the Thermo King Dealer Network



## Access to the Full Line of Genuine Parts

Every Thermo King dealer stocks a large inventory of Genuine Thermo King Parts and has easy online access to the complete line in order to get you the part you need, when you need it.



## Unequaled Nationwide Support

With over 200 dealer locations nationwide, there are always factory-trained experts nearby, offering the fastest service to get you back on the road.



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# Whats inside!

In the over 70 years since Joe Numero and Frederick Jones developed the first refrigeration unit, Thermo King engineers and technicians have learned a lot of 'tips' that will help you keep your units running smoothly. Look for "Tech Tips" throughout the catalog and use what they've learned to your advantage!



## TECH TIP

Any time you change an alternator, we recommend installing a new drive belt to ensure maximum uptime before the next related service.

All Thermo King parts work together to make your unit perform its best. Watch for "Don't Forget" tags to help identify additional parts you may need.



## Don't forget:

To ask your dealer for the correct gaskets to match your solenoid!

<b>For 41-7886</b>	<b>For 44-9181</b>
O-Ring..... 33-2230	Plunger..... 44-8198
	Boot..... 91-3095

Thermo King parts were specifically designed for your Thermo King unit – do not accept imitations! Watch for the "Genuine Thermo King Edge" sections to learn about advantages of Thermo King parts over the competition.

## GENUINE THERMO KING EDGE

**Belts**  
Truck, Trailer and TriPac

Genuine Thermo King belts are designed and built especially for your system and its specific temperature requirements – you can depend on the belt to withstand the heat specific to your application.

Imitation belts may 'fit' your unit but are not designed to adhere to its specifications, including cross section length, materials and performance expectations. When you purchase a Genuine Thermo King belt, you can be confident you have the best performing product for your application. Accept no substitutes – choose Genuine Thermo King.



# Ask your Dealer

Thermo King offers over 70,000 parts, not all of which would fit into one catalog. Take advantage of our nationwide dealer network and ask your local dealer for more details on what parts are right for your unit!





*Genuine Thermo King*  
**Maintenance**

Thermo King offers the highest quality maintenance items on the market. All products have been carefully designed to keep your Thermo King equipment operating at full efficiency and capacity.

*Complete parts lineup available at your Thermo King dealer*

# Belts

Premium materials mean superior temperature and chemical resistance, resulting in longer belt life. Genuine Thermo King Belts are specifically designed for our application and we demand the highest quality in our materials, resulting in superior belt life. Before you accept an imitation belt, you should ask yourself if it has been specifically designed for your unit and if the risk is worth taking.

## Top Fabric:

Increases flexibility, provides wear resistance on backside idlers, and joins the belt together

## Envelope:

Provides a long wearing driving surface and the proper coefficient of friction.

## Insulation:

This component surrounds the tensile cords to ensure the best possible bond

## Cogged:

Cogs provide increased flexibility for specific types of belts and applications

## Cushion/Fiber Loading:

Provides the necessary support for the cords, preventing distortion and collapsing of the belt. It provides unidirectional support which helps resist abrasion, reduces noise and controls the coefficient of friction.

## Tensile Cord:

The material that carries the load of the belt. Constructed of the strongest material to reduce the possibility of shrinkage or stretch.

**GENUINE  
THERMO KING  
EDGE**

**Genuine Thermo King belts are designed and built especially for your system and its specific temperature requirements** – you can depend on the belt to withstand the heat specific to your application.

**Imitation belts may 'fit' your unit but are not designed to adhere to its specifications**, including cross section length, materials and performance expectations. When you purchase a Genuine Thermo King belt, you can be confident you have the best performing product for your application. Accept no substitutes – choose Genuine Thermo King.



**Belts**  
Truck, Trailer and TriPac



## Application Chart (Trailer Belts)

Part	Description	Pkg Qty	SB II	SB III	SB-100	SB-110	SB-190	SB-200	SB-210	SB-300	SB-310	SB-400	Sentry	DE	SB	Super II
78-629	Belt, Engine to Idler	10	■	■	■	■	■	■	■	■	■	■		■	■	
78-603	Belt, Fan	10	■	■	■	■	■	■	■	■	■	■		■	■	
78-929	Belt, Alternator	10		■	■		■						■			■
78-835	Belt, Fan Drive	10														■
78-1341	Belt, Alternator	1		■		■		■	■	■		■		■	■	■
78-604	Belt, Engine to Idler	10	■	■												
78-757	Belt Set, Engine to Idler	10											■			
78-1000	Belt, Fan Drive	1														■
78-471	Belt, Alternator	10	■										■			■
78-785	Belt Set, Compressor Drive	1	■	■				■	■						■	
78-1360	Belt	1				■		■	■			■			■	
78-666	Belt Fan Drive	10											■			
78-751	Belt, Alternator	1	■	■									■			■
78-844	Belt, Fan	1		■				■	■						■	
78-1340	Belt, Fan & Water Pump	1		■				■	■						■	■
78-1011	Belt, Water Pump	1		■									■			■
78-845	Belt, Alternator	1		■				■	■						■	

Multi-Temp ■



### Application Chart (Truck Belts)

Part	Description	Pkg Qty	JDII	KDII	MDII	MD-100	MD-200	MD-300	RDII	TDII	TS-200	TS-300	TS-500	TS-600	Spectrum TS	T-600/T-800	T-1000	Spectrum
78-977	Belt, Engine	1		■	■													
78-1351	Belt, Engine to Motor	1									■	■	■					
78-1083	Belt, Engine (with backside idler)	1		■	■													
78-1067	Belt, Motor to Compressor	1											■					
78-936	Belt, Motor to Jackshaft	1		■	■	■	■	■										
78-1353	Belt, Engine to Motor	1												■				
78-1263	Belt, Motor to Compressor	1												■				
78-684	Belt, Evaporator Fan	1		■	■	■	■	■		■								
78-1129	Belt, Poly (VK8)	1									■	■						
78-700	Belt, Alternator to Evap Fan	1		■	■	■	■	■										
78-766	Belt, Alternator to Evap Fan	1							■	■								
78-800	Belt, Evap Fan to Compressor	1							■									
78-899	Belt, Motor (Jackshaft to Comp.)	1							■									
78-1031	Belt, Engine to Compressor	1							■									
78-898	Belt, Motor (Jackshaft to Comp)	1		■					■	■								
78-900	Belt, Engine to Compressor	1							■									
78-1026	Belt, Water Pump	1							■									
78-679	Belt, Alternator	10	■		■													
78-896	Belt, Engine to Compressor	1							■	■								
78-1366	Belt, Engine	1				■	■	■										
78-1051	Belt, Engine (with backside idler)	1							■	■								
78-698	Belt, Evap Fan to Compressor	1							■	■								
78-1103	Belt, Alternator	1	■															
78-1350	Belt, Engine to Motor	1													■			
78-679	Belt, Water Pump	10	■	■	■													
78-1012	Belt, Water Pump	1	■	■	■	■	■	■			■	■						
78-1492	Belt, Water Pump	1				■	■	■			■	■						
78-1736	Belt, Water Pump	1											■	■	■			
78-1688	Belt, Engine to Motor	1															■	
78-1681	Belt, Motor to Compressor	1															■	
78-1669	Belt, Engine to Motor	1																■
78-1689	Belt, Motor to Compressor	1																■

Multi-Temp ■



## Application Chart (TriPac Belts)

Part	Description	Pkg Qty	
78-1492	Belt, Water Pump (Tier 2 after 10/08)	1	■
78-1543	Belt, Compressor to Alternator (Tier 1)	1	■
78-1634	Belt, Compressor & Alternator (Tier 2 after 10/08)	1	■
78-1484	Belt, Compressor & Alternator (Tier 2)	1	■
78-1655	Belt, Engine to Compressor (Tier 2 after 10/08)	1	■

TriPac



# TECH TIP

Any time you need to change a single belt on a unit, always closely inspect all of the other belts. Remember - the entire drive system is only as good as the weakest link.

Complete parts lineup available at your Thermo King dealer

# Filters

Genuine Thermo King Filters are specifically designed for our application and we demand the highest quality in:



**Construction:** With a design that is created uniquely for our application and can meet the requirements of our customers unit needs



**Capacity:** The life of the filter that can keep up with our Extended Maintenance Intervals (EMI) that is specific to the Thermo King unit



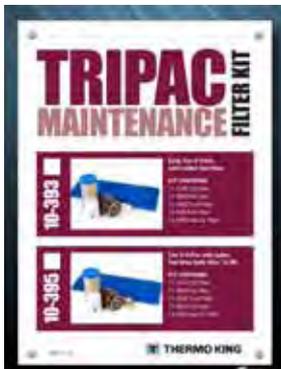
**Efficiency:** The maximum amount of particles that can be captured in the filter to ensure your engine keeps running for a long life

## EMI Filter Kits (Truck & Trailer)



	10-416	10-417
Oil Filter	11-6182	11-9182
ByPass Oil Filter	11-9321	
Air Filter	11-9059	11-9300
Fuel Filter	11-9341	11-9342

## EMI Filter Kits (TriPac)



	10-393 (TriPac w/rubber fuel lines)	10-395 (TriPac w/nylon fuel lines built after 12/06)
Oil Filter	11-6182	11-6182
Air Filter	11-9059	11-9059
Air Filter	13-658	13-658
Fuel Filter	11-9342	11-9342
Fuel Filter	13-649	13-864

## EMI 3000 Conversion Kits

EMI conversion kits are available if your Thermo King trailer is equipped with pre-2001 filters and you want to convert to the EMI 3000 filters



Engine Conversion	Part #
Converts DI 2.2, SE 2.2 and TK 486 to spin on fuel/water filter	10-325
Converts SE 2.2 engines to EMI 3000 filters	90-329
Converts TK 482/486 engines to EMI 3000 filters	90-330
Converts TK DI 2.2, se 2.2 or TK 482/486 engines to EMI 3000 air filters	90-332

## Air Filters



### The Genuine Thermo King EMI 3000 Air Filter offers:

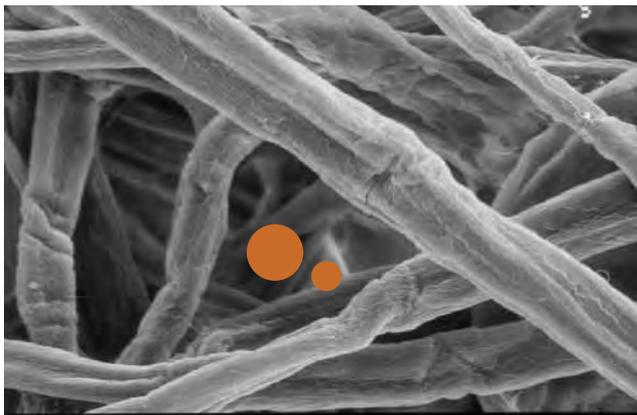
- ✓ Built in cyclonic separator that filters heavier particles which get automatically discharged through the evacuation valve
- ✓ Built in sonic choke for intake silencing
- ✓ High efficiency patented filter design developed for use on Thermo King units to support our extended maintenance interval
- ✓ Unique and trademarked filter media specially designed for Thermo King units and constructed for on-highway application
- ✓ Special media outperforms standard cellulose media by delivering higher efficiency and capturing more contaminant
- ✓ Thermo King filter media holds up to five times more contaminant than standard cellulose air filters

Complete parts lineup available at your Thermo King dealer

## EMI 3000 Air Cleaner Assembly & Filter System

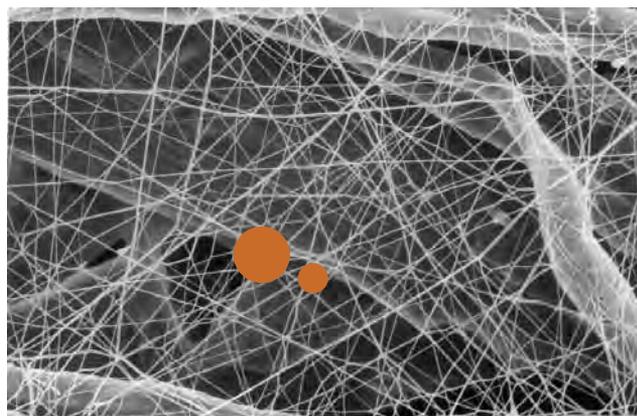
### Thermo King High Efficiency Filtration

The filter media in the Thermo King 11-9300 causes submicron contaminant to load on the surface rather than dispersing throughout the depth of the filter where there is less area for the air to flow. Therefore, in on-highway applications, where the contaminant is primarily soot (submicron in size), the Thermo King air filter has less restriction than filters with cellulose media. The smaller, interfiber spaces of filter media deliver higher efficiency and capture more contaminant.



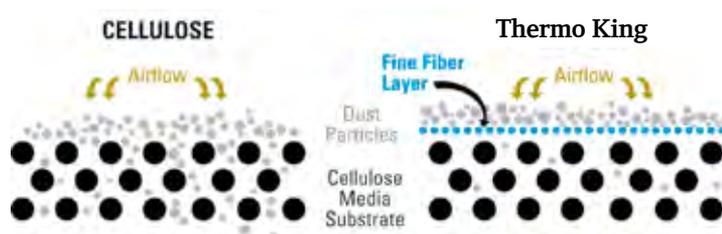
Orange circles represent the diameter of a 2µ and a 5µ particle.

The fibers in the our filter media have submicron diameter and small interfiber spaces, which result in more contaminant being captured on the surface of the media and lower restriction.



Cellulose fibers are larger and have larger spaces between the fibers, causing contaminant to load in the depth of the media and plug the airflow path; resulting in higher restriction and less capacity.

### Filter Media Comparative Cross Section



## Application Chart (Trailer Air Filters)

Case	Single	Qty	Desc	SB II	SB III	SB-100	SB-110	SB-190	SB-200	SB-210	SB-300	SB-310	SB-400	Sentry	DE	SB	Super II	
12-9300		12	EMI3000 Air Filter		■	■	■		■	■	■	■	■			■	■	■
	11-9300	1	EMI3000 Air Filter		■	■	■		■	■	■	■	■			■	■	■
12-7400		9	Air Filter	■	■	■		■	■		■			■				■
	11-7400	1	Air Filter	■	■	■		■	■	■	■			■				■

Multi-Temp ■

## Application Chart (Truck Air Filters)

Case	Single	Qty	Desc	JDII	KDII	MDII	MD-100	MD-200	MD-300	RDII	TDII	TS-200	TS-300	TS-500	TS-600	Spectrum TS	T-600/T-800	T-1000	Spectrum	
	11-9059	1	EMI2000 Primary Air Element				■	■	■	■	■	■	■	■	■	■	■	■	■	■
	11-7234	1	Air Filter (rectangular)	■	■	■				■	■									

## Application Chart (TriPac Air Filters)

Case	Single	Qty	Desc	TriPac
	11-9059	1	Primary Air Element	■
	13-658	1	Evap Air Filter	■
	92-5701	1	Evap Air Filter (after 2/01/07)	■

## Fuel Filters



### The Genuine Thermo King EMI 3000 Fuel Filter offers:

- ✓ Coated and lined can to prevent corrosion
- ✓ Spring insulator to reduce electrolysis and corrosion inside the can
- ✓ Engine life is extended by avoiding the risk of corrosion caused by water
- ✓ Pickup tube inside the filter that returns water to fuel tank so water does not have to manually be drained from the filter and eliminates the risk that water enters the fuel pump and injectors
- ✓ Patented design that automatically removes potentially damaging water from the filter sump and returns it back to the fuel tank to be drained
- ✓ High strength gasket that resists heat and distortion for extended seal life
- ✓ Heavy-duty baseplate with tuck-lock seam that resists seal leakage due to pressure distortion
- ✓ High strength cellulose/glass media that offers superior contaminate filtering capacity and efficiency
- ✓ Water stripping media that removes water before it can damage the fuel system and extends life of engine by avoiding corrosion caused by water
- ✓ Heavy-duty, epoxy coated housing is impervious to cracking and corrosion

## Application Chart (Trailer Fuel Filters)

Case	Single	Qty	Description	SB II	SB III	SB-100	SB-110	SB-190	SB-200	SB-210	SB-300	SB-310	SB-400	Sentry	DE	SB	Super II
12-7264		12	Water filter sep.		■									■			■
	11-7264	1	Water filter sep.		■									■			■
12-6285		12	Fuel Filter		■									■			■
	11-6285	1	Fuel Filter		■									■			■
12-9342		12	EMI3000 Fuel Sep.		■	■	■	■	■	■	■	■	■		■	■	■
	11-9342	1	EMI3000 Fuel Sep.		■	■	■	■	■	■	■	■	■		■	■	■
12-9098		12	Fuel Filter	■	■										■		
	11-9098	1	Fuel Filter	■	■										■		
12-9097		12	Fuel Filter	■											■		
	11-9097	1	Fuel Filter	■											■		

Multi-Temp ■

## Application Chart (Truck Fuel Filters)

Case	Single	Qty	Description	JDI	KDI	MDI	MD-100	MD-200	MD-300	RDI	TDI	TS-200	TS-300	TS-500	TS-600	Spectrum TS	T-600/T-800	T-1000	Spectrum	
12-9098		12	Fuel Filter	■	■	■				■	■	■	■	■	■	■				
	11-9098	1	Fuel Filter	■	■	■				■	■	■	■	■	■	■				
12-9341		12	EMI2000 Fuel Filter		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	11-9431	1	EMI2000 Fuel Filter		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

## Application Chart (TriPac Fuel Filters)

Case	Description	TriPac
13-649	Fuel Filter	■
13-864	Fuel Filter	■

## Oil Filters



### The Genuine Thermo King EMI 3000 Oil Filter offers:

- ✓ High efficiency full-flow element developed for use on Thermo King units to support the extended maintenance interval and provide clean lubricant to the engine
- ✓ Designed specifically for Thermo King applications with maximum capacity and efficiency to prevent excessive engine wear and damage
- ✓ High strength gasket that resists heat and distortion for extended seal life
- ✓ Heavy-duty baseplate with tuck-lock seam that resists seal leakage due to pressure distortion
- ✓ Spiral center tube that prevents media breakdown to maximize flow
- ✓ High strength cellulose/glass media that offers superior contaminant filtering capacity and efficiency
- ✓ A patented two-stage arrangement that provides more filtering surface to increase holding capacity and filter life by directing the oil through a full-flow section and a metered portion that continues through the by-pass section while removing finer contaminants
- ✓ Steel spring that maintains pressure on seal while keeping oil from bypassing filter element
- ✓ Heavy-duty, epoxy coated housing is impervious to cracking and corrosion

Complete parts lineup available at your Thermo King dealer

### Application Chart (Trailer Oil Filters)

Case	Single	Qty	Description	SB II	SB III	SB-100	SB-110	SB-190	SB-200	SB-210	SB-300	SB-310	SB-400	Sentry	DE	SB	Super II	
67-7800		10	Compressor Oil Filter		■	■	■	■	■	■	■	■	■	■	■	■	■	
	66-7800	1	Compressor Oil Filter		■	■	■	■	■	■	■	■	■	■	■	■	■	
66-4917			Compressor Spin On Filter	■	■									■			■	
12-9182		12	EMI3000 Dual Oil Filter		■	■	■	■	■	■	■	■	■	■	■	■	■	
	11-9182	1	EMI3000 Dual Oil Filter		■	■	■	■	■	■	■	■	■	■	■	■	■	
12-7382		12	Dual Oil Filter		■	■	■	■	■	■	■	■	■	■	■	■	■	
	11-7382	1	Dual Oil Filter		■	■	■	■	■	■	■	■	■	■	■	■	■	
12-9101		12	Oil Filter	■	■									■			■	
	11-9101	1	Oil Filter	■	■									■			■	
12-9100		12	Oil Filter	■	■									■			■	

Multi-Temp ■

### Application Chart (Truck Oil Filters)

Case	Single	Qty	Description	JDII	KDII	MDII	MD-100	MD-200	MD-300	RDII	TDII	TS-200	TS-300	TS-500	TS-600	Spectrum TS	T-600/T-800	T-1000	Spectrum	
67-7800		10	Compressor Oil Filter			■		■	■	■	■									
12-6182		12	EMI2000 Oil Filter	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	11-6182	1	EMI2000 Oil Filter	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
12-9321		12	EMI2000 Bypass Oil Filter		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	11-9321	1	EMI2000 Bypass Oil Filter		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
12-6228		12	Bypass Oil Filter	■			■			■	■	■	■	■	■	■	■			
	11-6228	1	Bypass Oil Filter	■			■			■	■	■	■	■	■	■	■			

### Application Chart (TriPac Oil Filters)

Case	Single	Qty	Description	TriPac
12-6182		12	Oil Filter	■
	11-6182	1	Oil Filter	■



*Genuine Thermo King*  
**Electrical**

Designed to withstand the most rigorous transportation environments, Thermo King electrical components will keep your unit running at its best.

*Complete parts lineup available at your Thermo King dealer*

# Alternators

Thermo King offers the only alternators designed specifically for your demanding applications. The longer lasting and more durable design includes heavy-duty bearings, a powder coated frame, electrical components sealed with silicone, and stainless steel hardware for corrosion resistance. Also, proper charging is ensured through a proprietary temperature-compensated voltage regulator. The enhanced bronze slip rings and brushes provide increased durability for all the standard copper components.

## Choose the product that best suits your needs:



### Extended Life OE

- ✓ Delivers the same performance and life as factory-new Thermo King components
- ✓ Maximum corrosion resistance with epoxy powder coat paint and stainless steel hardware



### Standard Life Plus

- ✓ Completely new alternators deliver reliable performance you can count on
- ✓ Fully backwards-compatible for all applicable Thermo King units



### Remanufactured

- ✓ Not just rebuilt; totally remanufactured
- ✓ All alternators are completely disassembled and cleaned, and all worn parts are replaced

## See which Alternator is right for you!



	Extended Life OE	Standard Life	Reman
Price	\$\$\$	\$\$	\$
Life Expectations	🕒🕒🕒🕒	🕒🕒	🕒
Core Required	No	Yes	Yes
Dealer Support	National	National	National
Warranty	2 year	1 year	1 year

## Truck &amp; TriPac



TriPac Extended OE  
65 AMP CCW ..... 45-2257



TriPac Standard Life Plus  
65 AMP CCW ..... 841-8464



Truck Extended Life OE  
23 AMP CW..... 41-2194

Size	Specification	Part Number	Used On
37 Amp CW	Extended Life OE	45-2254	SB-III, SB-210, SB-310
	Standard Life Plus	841-8461	
	Remanufactured	841-5458	
37 Amp CCW	Extended Life OE	45-2255	T-600, T-800 and T-1000
65 Amp CW	Extended Life OE	45-2256	SB-III, SB-210, SB-310
	Standard Life Plus	841-8463	
	Remanufactured	841-5457	
65 Amp CCW	Extended Life OE	45-2257	TriPac
	Standard Life Plus	841-8464	
120 Amp CW	Extended Life OE	45-2258	Spectrum SB
	Standard Life Plus	841-8465	
	Remanufactured	841-5456	
Regulator		44-9143	
23 Amp CW	New	41-2194	MD-100, MD-200, MD-300 , TS-300
37 Amp CW	New	41-2195	MD-100, MD-200
90 Amp CW	New	41-2705	Spectrum TS



# TECH TIP

Any time you change an alternator, we recommend installing a new drive belt to ensure maximum uptime before the next related service.

Complete parts lineup available at your Thermo King dealer

# Starters

Genuine Thermo King starters are the only starters designed especially for your Thermo King unit. Don't trust your business to imitators - choose Genuine Thermo King!



## Genuine Thermo King Extended Life OE Starters

- ✓ Genuine OEM starter that comes from the factory with new unit
- ✓ Engineered specifically for Thermo King engine
- ✓ Provide maximum durability and reduced operating costs
- ✓ Designed to give your Thermo King unit optimal performance and maximum life



## Genuine Thermo King Standard Life Plus Starters

- ✓ Genuine Thermo King quality built to meet the demands of your Thermo King unit
- ✓ Engineered by Thermo King specifically for heavy-duty off-road application
- ✓ Provide maximum value



## Genuine Thermo King Remanufactured Starters

- ✓ Exceeds the typical 'rebuild' process with an objective to remanufacture the parts close to new specifications
- ✓ Deliver like-new performance and quality
- ✓ Replacement of high-wear items such as bearings, brush holder screws and clutch spring clips
- ✓ Thorough inspection and repair of other components

## See what Starter is right for you!



	Extended Life OE	Standard Life	Reman
Price	\$\$\$	\$\$	\$
Life Expectations	🕒🕒🕒	🕒🕒	🕒
Core Required	No	No	Yes
Dealer Support	National	National	National
Warranty	1 year	18 months	1 year

## Starters (Trailer)



### DI and SE

Extended Life OE ..... 45-1993  
 Standard Life Plus..... 45-2325  
 Reman..... 845-2325



### TK 486 (Tier 1)

Extended Life OE ..... 45-1688  
 Standard Life Plus..... 45-2323  
 Reman..... 845-2323



### TK 486 (Tier 2)

Extended Life OE ..... 45-2177  
 Standard Life Plus..... 45-2324  
 Reman..... 845-2324



### C201

Extended Life OE ..... 45-1285  
 Reman..... 845-1285

# TECH TIP

Any time you replace a starter, always test the battery and the charging system for performance.

## Trailer Applications

Engine	Starter Model	Previous Part #	Current Part #
DI/SE	Extended Life OE	45-1671	45-1993
	Standard Life		45-2325
	Remanufactured	845-1263	845-2325
TK 486 (Tier 1)*	Extended Life OE		45-1688
	Standard Life		45-2323*
	Remanufactured	845-1688	845-2323*
TK 486 (Tier 2/4i)	Extended Life OE		45-2177
	Standard Life		45-2324
	Remanufactured	845-2177	845-2324

\*These models have later availability

## Starters (Truck)



### TK 374/395 & 370/376

Extended Life OE ..... 45-1718  
 Standard Life Plus..... 45-2326  
 Reman..... 845-2326



### TK 235/353

Extended Life OE ..... 45-1251  
 Reman..... 845-1251

### Truck Applications

Engine	Starter Model	Previous Part #	Current Part #
TK 374/395 (Tier 1)*	Extended Life OE		45-1718
TK370/376 (Tier 2 and Tier 4)	Standard Life		45-2326*
	Remanufactured	845-1718	845-2326*

\*These models have later availability

## Starters (TriPac)



### TK 270

Extended Life OE ..... 45-2176  
 Reman..... 845-2176

### TriPac & Heat King Applications

Engine	Starter Model	Current Part #
TK 270	Extended Life OE	45-2176
	Remanufactured	845-2176

# Electrical Components

Prior to introduction, Thermo King electrical components go through rigorous testing in equipment designed to push the component to its limits and solve any issues BEFORE the part is put into a Thermo King unit. Reliability and accuracy are key, and each component is given significant attention to ensure only the highest quality electrical parts are given the Thermo King name.

## Sensors & Switches



### Thermo King Switches and Sensors include:

- High quality materials selected specifically for Thermo King applications
- Proven reliability and accuracy through rigorous in-house testing at one of Thermo King's specially designed, global test facilities
- Less noise interference and a reliable signal in adverse electrical conditions



Kit Sensor Graded..... 40-871  
Kit Sensor Ungraded ..... 40-872



Sensor Ass'y  
Engine Water..... 41-6539



Sensor-Coolant  
Level..... 44-6534



Sensor Oil  
Pressure ..... 44-8883



Sensor RPM..... 44-9298



Switch Oil Level ..... 41-402



Switch-Press Oil..... 41-7063



Switch-1PST ..... 44-7792



Switch 4PDT Preheat..... 44-7932



Switch-Rocker DPDT..... 41-3246



Tripac Switch-Immersion  
Pre-Cooler fan..... 41-7596



Switch-Press Oil..... 41-6865



# TECH TIP

Toggle switches are defined by the number of terminal points in the back of the switch, whether the switch is opened or closed, and whether the switch has two or three positions. Thermo King offers all switches to fit your unit – contact your local dealer to ensure you get the right switch!

## Application Chart (Trailer Sensors & Switches)

Part	Description	SB III	SB-100	SB-200	SB-300	SB-400	SB-190	SB-200 TG	SB-110	SB-210	SB-310	DE	SB	Super II
40-0871	Kit Sensor Graded	■	■	■	■	■	■	■	■	■	■	■	■	■
40-0872	Kit Sensor Ungraded	■	■	■	■	■	■	■	■	■	■	■	■	■
41-4470	Sensor Oil Level	■	■	■	■	■	■	■	■	■	■	■	■	■
41-6538	Sensor Ass'y Engine Water (Gold Term.)	■						■	■	■	■			■
41-6539	Sensor Ass'y Engine Water (Nickel Term.)	■	■	■	■	■	■		■	■	■	■	■	■
41-7068	Sensor Ass'y Engine Water	■		■										■
44-6016	Sensor RPM	■												
44-6534	Sensor-Coolant Level	■										■	■	■
44-8883	Sensor Oil Pressure	■		■	■	■			■	■		■	■	■
44-9298	Sensor RPM	■	■	■	■	■	■	■	■	■	■	■	■	■
41-402	Switch Oil Level	■	■	■	■	■	■		■	■	■	■	■	■
41-1514	Switch Temp	■												
41-3669	Switch HPCO Complete	■	■	■	■	■	■		■	■	■	■	■	■
41-4523	Switch-HPCO	■		■	■		■			■	■	■	■	
41-7063	Switch-Press Oil	■	■	■	■	■	■	■	■	■	■	■	■	■
44-1164	Switch Defrost	■												
44-1357	Switch - Service Light	■												
44-3018	Switch Water Temp	■												
44-4774	Switch Oil Pressure	■												
44-5508	Switch HPCO	■												
44-7792	Switch-1PST	■		■								■	■	
44-7793	Switch 1PST	■												
44-7929	Switch-2PDT	■		■			■					■	■	
44-7932	Switch 4PDT Preheat	■												
44-9408	Switch-HPCO Complete	■												

Multi-Temp ■

Complete parts lineup available at your Thermo King dealer

## Application Chart (Truck Sensors & Switches)

Part #	Description	KD II	MD II	MD-100	MD-200	MD-300	RD II	TD II	TS-200	TS-300	TS-500	Spectrum TS	V-200	V-250	V-280	V-300	V-500	T-600	T-800	T-1000
40-871	Kit Sensor Graded	■	■	■	■	■	■	■	■	■	■	■						■	■	■
40-872	Kit Sensor Ungraded	■	■	■	■	■	■	■	■	■	■	■						■	■	■
41-402	Switch - Oil Level	■	■		■	■	■	■	■	■	■	■								
41-1514	Switch - Temperature	■	■		■	■	■	■					■	■						
41-3246	Switch - Rocker DPDT	■	■		■	■	■	■												
41-4470	Sensor Oil Level	■	■	■	■	■	■	■	■	■	■	■						■	■	■
41-4523	Switch-HPCO						■	■												
41-6538	Sensor Ass'y Engine Water (Gold Term.)																	■	■	■
41-6539	Sensor Ass'y Engine Water (Nickel Term.)	■	■	■	■	■	■	■	■	■	■	■								
41-6865	Switch - Oil Pressure	■	■		■	■	■	■	■	■	■	■								
41-7064	Switch - Oil Pressure			■	■	■	■		■	■	■	■						■	■	■
44-1164	Switch - Defrost	■	■				■	■												
44-1357	Switch - Service Light	■	■				■	■												
44-3018	Switch - Water Temp	■	■		■	■	■	■												
44-6016	Sensor RPM				■	■			■	■										
44-6534	Sensor - Coolant Level	■	■	■	■	■	■	■	■	■	■	■						■	■	■
44-8030	Switch LPCO	■	■		■	■	■	■					■	■	■	■	■			
44-8883	Sensor - Oil Pressure	■	■				■	■	■	■	■	■								
44-9298	Sensor RPM	■	■	■	■	■	■	■	■	■	■	■						■	■	■
66-2020	Switch Air	■					■													

Multi-Temp ■

**GENUINE  
THERMO KING  
EDGE**

**Sensors**

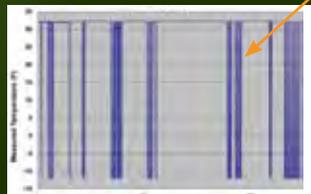


TK 41-6539

**Thermo King**



**Competition**



**TK have less Noise Interference**

Each 'glitch' indicates that the sensor had noise interference.

Testing of three TK sensors vs three competitive sensors showed TK sensors have a cleaner signal.

Less noise violation means the alarms sent by the sensor are more accurate.

## Application Chart (TriPac Sensors & Switches)

Part #	Description	
41-6944	Sensor Assembly	■
44-9298	Sensor RPM	■
41-7020	Switch Binary Pressure	■
41-7596	Switch-Immersion Pre-Cooler Fan	■
41-7597	Switch-Immersion Arctic Option	■
44-1357	Switch - Service Light	■
44-3018	Switch Water Temp	■
447792	Switch-1PST	■

TriPac

## Solenoids



Solenoid Stop  
Fuel Ported..... 41-7886



Solenoid-Completer..... 44-9181



# Don't forget:

To ask your dealer for the correct gaskets to match your solenoid!

**For 41-7886**

O-Ring..... 33-2230

**For 44-9181**

Plunger ..... 44-8198

Boot..... 91-3095

Complete parts lineup available at your Thermo King dealer

### Application Chart (Trailer Solenoids)

Part	Description	SB III	SB-100	SB-200	SB-300	SB-400	SB-190	SB-200 TG	SB-110	SB-210	SB-310	DE	SB	Super II
41-7886	Solenoid Stop Fuel Ported	■		■	■	■		■	■	■	■	■	■	■
44-2823	Solenoid	■	■	■	■	■	■	■	■	■	■	■	■	■
44-6544	Solenoid (includes plunger)	■												
44-6727	Valve Solenoid	■	■				■							■
44-9181	Solenoid (no plunger)	■	■	■	■	■	■	■	■	■	■	■	■	■

Multi-Temp ■

### Application Chart (Truck Solenoids)

Part #	Description	KD II	MD II	MD-100	MD-200	MD-300	RD II	TD II	TTS-200	TTS-300	TTS-500	Spectrum TS	V-200	V-250	V-280	V-300	V-500	T-600	T-800	T-1000	
41-7886	Solenoid Stop Fuel Ported	■	■	■	■	■	■	■	■	■	■	■							■	■	■
44-2823	Solenoid	■	■	■	■	■	■	■	■	■	■								■	■	■
44-6544	Solenoid (includes plunger)	■	■																		
44-9181	Solenoid (no plunger)	■	■		■	■	■	■	■	■	■	■									

Multi-Temp ■

### Application Chart (TriPac Solenoids)

Part #	Description	TriPac
41-7886	Solenoid Stop Fuel Ported	■

## Relays



RELAY 1PST ..... 41-478



RELAY 1PDT ..... 41-895



RELAY 1PDT ..... 44-9111

### Application Chart (Trailer Relays)

Part	Description	SB III	SB-100	SB-200	SB-300	SB-400	SB-190	SB-200 TG	SB-110	SB-210	SB-310	DE	SB	Super II
41-478	Relay 1PST	■		■	■	■	■	■				■	■	■
41-895	Relay 1PDT	■	■	■	■	■	■	■		■	■	■	■	■
41-2794	Relay Starter	■	■				■							■
44-3186	Relay	■												
44-9111	Relay 1PDT	■												
44-9391	Relay DPST	■												

### Application Chart (Truck Relays)

Multi-Temp ■

Part #	Description	KD II	MD II	MD-100	MD-200	MD-300	RD II	TD II	TS-200	TS-300	TS-500	Spectrum TS	V-200	V-250	V-280	V-300	V-500	T-600	T-800	T-1000
41-478	Relay 1PST				■												■			
41-895	Relay 1PDT	■	■	■	■	■	■	■	■	■	■	■	■		■	■	■			
44-3186	Relay	■	■		■		■	■												
44-9111	Relay 1PDT	■	■				■	■												
44-9391	Relay DPST													■						

Multi-Temp ■

### Application Chart (TriPac Relays)

Part #	Description	TriPac
41-895	Relay 1PDT	■
44-9111	Relay 1PDT	■

## Miscellaneous

---



Electronic Throttling Valve Motor..... 40-888



Contactor & Timer Assy... 41-7934



Bolt Thermistor ..... 44-6019



Motor 12V ..... 44-8526



Pump-Fuel..... 41-7059



Harness-Alt ..... 41-0213



Breaker Circuit ..... 44-7774



Connector ..... 44-5839



Transducer, Press 200 Psi ..... 41-7960



Link-Fuse ..... 44-8244

## Application Chart (Trailer Miscellaneous)

Part	Description	SB III	SB-100	SB-200	SB-300	SB-400	SB-190	SB-200 TG	SB-110	SB-210	SB-310	DE	SB	Super II
44-6019	Bolt Thermistor	■												
44-7530	Bolt-Thermister	■												
44-5839	Connector	■	■	■			■					■	■	
41-7934	Contactora & Timer Assy	■		■						■			■	
44-1659	Cutout And Reset Assy	■												
44-2756	Diode Assembly	■	■	■	■	■	■	■	■	■	■	■	■	■
41-213	Harness-Alt	■	■	■	■	■	■	■	■	■	■	■	■	■
44-9336	Harness-Alt Subassy	■												■
44-8244	Link-Fuse	■												■
44-9302	Meter-Amp	■												
44-8526	Motor 12V	■												
44-7172	Motor 12VDC	■												
104-632	Motor 230-460V/3/50-60HZ	■		■						■			■	
41-125	Splice Terminal 16 14 GA	■		■	■	■			■	■	■	■	■	■
44-5066	Terminal	■												
41-7960	Transducer, Press 200 PSI	■		■	■		■	■	■	■	■	■	■	
41-7959	Transducer, Press 500 PSI	■		■	■	■	■				■	■	■	■
41-7956	Transducer-Press 500 PSIG	■		■	■	■	■							
40-888	Electronic Throttling Valve Motor							■	■	■	■			

Multi-Temp ■

## Application Chart (Truck Miscellaneous)

Part #	Description	KD II	MD II	MD-100	MD-200	MD-300	RD II	TD II	TS-200	TS-300	TS-500	Spectrum TS	V-200	V-250	V-280	V-300	V-500	T-600	T-800	T-1000
44-7774	Breaker Circuit	■	■		■		■	■												
44-5839	Connector	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
41-7934	Contactor & Timer Assy	■	■	■	■	■		■	■	■	■	■							■	■
44-2756	Diode Assembly	■	■	■	■	■	■	■	■	■	■	■							■	■
41-4474	Harness-&-Sw- On/Off Compl			■	■	■			■	■	■	■							■	■
44-9336	Harness-Alt Subassy						■													
40-770	Kit Board And Jumper														■					
44-8244	Link-Fuse	■	■		■	■	■	■	■	■	■	■								
44-8526	Motor 12V		■				■							■	■					
44-7172	Motor 12Vdc		■				■													
41-5698	Motor 3Ph 1.8Kw Ls90												■			■				
41-7059	Pump-Fuel	■	■	■	■	■	■	■	■	■	■	■							■	■
41-125	Splice Terminal 16 14 Ga			■	■	■	■		■	■	■									
44-5066	Terminal				■	■	■		■	■	■							■	■	■
41-1807	Terminal 10Amp 18-24Ga															■	■			
41-7959	Transducer, Press 500 Psi											■								

Multi-Temp ■

## TriPac Miscellaneous (continued)



TriPac Inverter ..... 41-7784

TriPac Arctic Option ..... 40-961

## Application Chart (TriPac Miscellaneous)

Part #	Description	
40-961	TriPac Artic Option	■
41-1807	Terminal 10AMP 18-24GA	■
41-6802	Pump Fuel Electric	■
41-7251	Pump-Fuel Compl	■
41-7784	TriPac Inverter	■
44-5839	Connector	■
44-7774	Breaker Circuit	■

TriPac



# Don't forget:

Thermo King offers all parts for your unit, including harnesses, connectors, and other electrical parts not shown here.

Complete parts lineup available at your Thermo King dealer

# The Thermo King Advantage

**Big company innovation, small company customer service**



**The Thermo King Distribution System makes sure your parts are where you need them, when you need them.**

With a network of over 200 dealers across North America, the parts you need are never far away.



**Thermo King Global Reliability Testing Centers provide state-of-the-art reliability, analysis, prototyping and testing.**

With millions of dollars in the latest testing equipment, Thermo King ensures your units and components meet strict quality and reliability requirements BEFORE they are delivered to you.



**Nationwide Warranty and Service Support gives you unequaled, one-on-one service for your individual needs.**

A nationwide dealer service and warranty support network gives you the peace-of-mind of knowing you're covered 24 hours a day, no matter where you are.

# Controllers

Designed exclusively for Transport Refrigeration applications, Thermo King’s microprocessor controllers offer not just temperature control but “Best in Class” total temperature management.

## Controllers (Trailer)



HMI, SR-2..... 41-6600  
 Reman, HMI, SR-2..... 841-6600

### Trailer Single & Multi-Temp

- Easy to use text display for control and monitoring of system performance
- Enhanced safety and security for load protection
- 21 language capability for easy operation in multi-lingual environments
- CargoWatch™ provides temperature and system data for HACCP plan
- ServiceWatch™ built in preventive maintenance logger for improved diagnostics and record of system performance
- Improved diagnostics to understand and respond to problems

## Controllers (Trailer Single Temp)



Controller, MP-VI ..... 41-3061



Relay Board  
 MP-IV, MP-V, TG-VI ..... 41-3411



Controller, TG-V ..... 45-1579



Controller, TG-VI..... 45-1613  
 Reman Controller,  
 TG-VI ..... 845-1613



Interface Board, SR-2 ..... 45-2275



Controller Reman,  
 MP-IV+ ..... 845-1600  
 Controller Reman, MP-IV+  
 with Comm..... 845-1601

Complete parts lineup available at your Thermo King dealer



Controller Board, SR2..... 45-2302



HMI, SR-2..... 41-6600  
Reman HMI, SR-2..... 841-6600

## Controllers (Trailer Multi Temp)



I/O Module, MP-IV MT.... 41-866



HMI, SR-2..... 41-6600  
Reman HMI, SR-2..... 841-6600



Interface Board  
MP-IV MT ..... 41-7423



Controller, TG-V ..... 45-1579



Interface Board, SR-2 ..... 45-2275



Controller, MP-IV MT  
without Comm ..... 45-1960  
Controller, Reman MP-IV MT  
without Comm ..... 845-1960  
Controller, MP-IV MT  
with Comm ..... 45-1961



Expansion  
Module SR-2 ..... 41-6889

## Application Chart (Trailer Controllers)

New	Reman	Description	SB III	SB-100	SB-200	SB-300	SB-400	SB-190	SB-200 TG	SB-110	SB-210	SB-310	Sentry	DE	SB	Super II
	845-1600	Controller MP-IV+	■													■
	845-1601	Controller MP-IV+ COM	■													■
41-3411		Relay Board	■													■
41-3061		6-Relay Board	■		■	■	■	■								■
45-1579		Controller TG-V	■										■			■
45-1613	845-1613	Controller TG-VI Reman	■	■					■							■
41-6600	841-6600	HMI And Gasket Assembly								■	■	■		■	■	
45-2302		Controller Board Assy, SR-2								■	■	■		■	■	
45-2275		Interface Board Controller, SR-2								■	■	■		■	■	
45-1960	845-1960	Cntrl W/O Comm Reman	■											■	■	■
45-1961		Cntrl -Mp-IV+ W/Comm	■											■	■	■
41-7423		Interface Board	■											■	■	■
41-0866		Module I/O	■											■	■	■
41-6889		Module Expansion SR-2 M/T												■	■	

Multi-Temp ■

## Controllers (Truck)



HMI, TTMT..... 45-2097

### Truck Single & Multi-Temp

- Improved Fuel Savings Features
- Enhanced Load Management with ETV (Electronic Throttling Valve)
- ServiceWatch™ built in preventive maintenance logger for improved diagnostics and record of system performance
- 21 language capability for easy operation
- Programmable hour meters to easily track maintenance intervals
- Guarded access menu allows custom tailored unit setup
- Maintenance Menu provides diagnostics and service capability
- Can be used as dash mounted controller or as a hand held diagnostic tool
- For single and multi-temp systems
- Enhanced Safety and Security

Complete parts lineup available at your Thermo King dealer

## Controllers (Single Temp Truck)

---



Controller, TG-V ..... 45-1579



Interface Board  
with phase selection..... 41-8088



Interface Board, MP-T ..... 45-2219



Controller,  
MP-T ..... 45-2220  
Controller, Reman,  
MP-T ..... 845-2220



In-Cab  
Controller, MP-T ..... 45-1866



Controller Board, SR2..... 45-2302

## Controllers (Multi-Temp Truck)

---



Controller, TG-V ..... 45-1579



HMI, TTMT..... 45-2097



MP13 In-Cab  
Controller ..... 45-1780

## Application Chart (Truck Controllers)

New	Reman	Description	MD II	MD-100	MD-200	MD-300	RD II	TD II	TS-200	TS-300	TS-500	Spectrum TS	V-200, 300, 500	T-600, 800, 1000
45-1579		Controller TG-V	■				■	■						
45-2302		Controller Board Assy, SR-2												■
45-2220	845-2220	Controller MP-T	■	■	■	■	■	■	■	■	■			
41-8088		Interface Board-Phase Selection MP-T	■	■	■	■	■	■	■	■	■			
45-1866		Box-Cab Remote	■	■	■	■	■	■	■	■	■			
45-2219		Interface Board MP-T	■	■	■	■	■	■	■	■	■			
45-2097		HMI Assy, Truck										■		
45-1780		Box-Cont In-Cab											■	■

Multi-Temp ■

## Controllers (TriPac)



TriPac HMI ..... 45-2289

TriPac Board Interface..... 45-2239

## Application Chart (TriPac Controllers)

New	Description	TriPac
45-2289	TriPac HMI Assembly	■
45-2239	TriPac Interface Board	■



*Genuine Thermo King*  
**Engines**

Designed to maximize the life of Thermo King units, our engine products are offered with nationwide warranty coverage, which doubles when you have the installation performed by your Thermo King dealer.

# Engines



## Tier 4i Engines available through Thermo King

- CARB compliant for seven years
- Retrofit into SB and Super II trailer units, kits available through Thermo King
- Lowest lifecycle cost solution for CARB compliance

Thermo King also offers the following kits to help you retrofit your SB or Super II unit for CARB compliance. Please contact your local Thermo King dealer for more information.

## CARB Retrofit Kits

	SB	Super II	Engine Type
Alternator Mounting	90-403/92-3870/92-3866	90-404	Yanmar
Throttle Solenoid	90-405/90-406	90-405/90-406	Yanmar
Engine Vibration Mounts	90-401	90-402	Yanmar
Battery Cables	41-6565 and 41-6566	41-6616 and 41-6615	Yanmar
Wiring Brackets	92-6727 and 92-4990	92-6727 and 92-4990	Yanmar
Complete Engine Retrofit Kit	10-397	10-398	Isuzu



Remanufactured SE 2.2  
Engine (Post 1999) ..... 810-1319



Remanufactured TK 486E  
Engine (2200 RPM) ..... 810-1336



TK486V  
(2200 RPM) ..... 101-377



Reman TK 395E  
Engine..... 810-1338



TK 376 Engine ..... 810-1342



TK 270 Engine ..... 101-358

# Gaskets

Ask your dealer for the gaskets to match your Thermo King engine.  
Common engine gaskets include:

Gasket..... 33-1749  
O-Ring Case..... 33-3512  
Seal ..... 33-2513

## Water Pumps

Thermo King water pumps use high capacity bearings for longer service life. Smooth, high quality castings cause less turbulent coolant flow and increased pump efficiency. Unitized seal design ensures consistent performance and reliability.



SE 2.2 Water Pump ..... 11-9356  
Reman..... 811-9356



TK 486 Water Pump ..... 13-509  
Reman..... 813-506



TK 395E Water Pump..... 13-507  
Reman..... 813-507



TK 374E Water Pump..... 13-506  
Reman..... 813-506



TK 370 Water Pump..... 13-576



TK 376 Water Pump..... 13-484



TK 270 Water Pump ..... 13-948  
 Reman..... 813-948



# Don't Forget

Thermo King sells all parts to repair Thermo King Engines, including thermostats, injection pumps, injectors, and more! Not all parts are listed here – contact your Thermo King dealer today for more information!

## Thermostats



## Injection Pumps



## Injectors



**GENUINE  
 THERMO KING  
 EDGE**

## Injectors



### Thermo King Injectors

are 100% tested for spray pattern, opening pressure and proper sealing to ensure optimum performance.

## Trailer Engines

### SE 2.2 (pre 99)

Type	Engine	Water Pump	Injectors	Injection Pump	Thermostat	Application
New (pre 2/96)	NA	11-9356	13-650	101-281	11-7702	SB-III pre-99
New (2/96 - 1/99)	NA	11-9356	13-650	101-309	NA	
Reman (pre 2/96)	NA	811-9356	813-650	810-1281	NA	
Reman (2/96 - 1/99)	810-1282	811-9356	813-650	810-1309	NA	

### SE 2.2 (post 99)

Type	Engine	Water Pump	Injectors	Injection Pump	Thermostat	Application
New	NA	11-9356	11-9196	101-320	11-7702	SB-III post 99
Reman	810-1319	811-9356	811-9196	810-1320	NA	

### 486E (2200 rpm)

Type	Engine	Water Pump	Injectors	Injection Pump	Thermostat	Application
New	NA	13-509	11-8715	101-321	11-9624	SB-III, SB-210, SB-310, Spectrum SB
Reman	810-1336	813-509	811-8715	810-1321	NA	

### 486EH (2600 rpm)-

Type	Engine	Water Pump	Injectors	Injection Pump	Thermostat	Application
New	101-351	13-509	13-808	101-331	11-9624	SB-III, SB-210, SB-310, Spectrum SB
Reman	810-1351	813-509	811-8715	810-1331	NA	

### 486V (2200 rpm)

Type	Engine	Water Pump	Injectors	Injection Pump	Thermostat	Application
New	101-377	13-509	13-388	101-362	13-385	SB-210, Spectrum SB
Reman	NA	813-509	NA	NA	NA	

### 486VH (2600 rpm)

Type	Engine	Water Pump	Injectors	Injection Pump	Thermostat	Application
New	101-375	13-509	13-389	101-354	13-385	SB-210, SB-310, Spectrum SB
Reman	NA	813-509	NA	NA	NA	

## Truck Engines

### 395E

Type	Engine	Water Pump	Injectors	Injection Pump	Thermostat	Units affected
New	NA	13-507	11-8769	11-6617	11-9621	TS-500
Reman	810-1338	813-507	811-8769	NA	NA	

### 374E

Type	Engine	Water Pump	Injectors	Injection Pump	Thermostat	Units affected
New	NA	13-506	11-8769	11-6093	11-7975	MD-200, MD-300, TS-200, 300
Reman	810-1342	813-506	811-8769	NA	NA	

### 370

Type	Engine	Water Pump	Injectors	Injection Pump	Thermostat	Units affected
New	101-356	13-576	13-598	101-360	13-954	MD-100, 200, 300 TS-200, 300

### 370N

Type	Engine	Water Pump	Injectors	Injection Pump	Thermostat	Units affected
New	101-369	13-576	13-598	101-373	13-954	T-600, T-800

### 376

Type	Engine	Water Pump	Injectors	Injection Pump	Thermostat	Units affected
New	101-345	13-484	13-431	101-352	13-954	TS-500

### 376N

Type	Engine	Water Pump	Injectors	Injection Pump	Thermostat	Units affected
New	101-370	13-400	13-431	101-372	13-954	T-1000

## TriPac Engine

### 270

Type	Engine	Water Pump	Injectors	Injection Pump	Thermostat	Units affected
New	101-358	13-948	13-598	13-471	11-9684	TriPac
Reman	NA	813-948	NA	NA	NA	



# TECH TIP

Any time you replace an engine, we recommend you install a new oil pressure switch, a new water temperature switch and a new coolant thermostat.

Complete parts lineup available at your Thermo King dealer



*Genuine Thermo King*  
**Compressors**

Thermo King compressors are designed and tested for rigorous transportation environments. Thermo King delivers quality, reliability, and performance you can count on.

# Compressors

Genuine Thermo King compressors are developed by dedicated teams of Thermo King engineers and tested extensively in state-of-the-art R&D centers for high performance and long life. Cheap imitation compressors and compressor parts reduce performance and efficiency, resulting in higher operating costs. Don't settle for the knockoff - choose the original!

## New Compressors

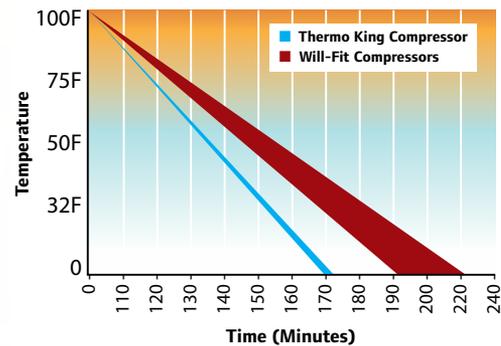


**New X430 Compressor.....102-900**  
**New X430 Exchange Compressor..... 810-2900**

- Reduced Fuel Consumption- Reduced friction due to new high precision crankshaft bearings leads to longer compressor life and less fuel consumed.
- Increased Life Span - Thermo King uses oil pump housings designed to reduce stress on bearings, increasing the compressor lifespan.
- Proven Reliability - Thermo King compressors are engineered by Thermo King and extensively tested for optimum performance and reliability under extreme conditions.

### Faster Pulldown

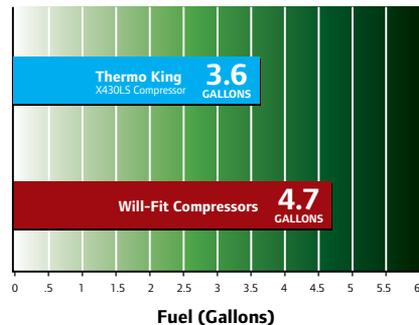
With both trailer box and ambient air temperatures of 100°F, The Thermo King compressor completed pulldown as much as 53 minutes faster than the will-fit compressors.



One-on-one comparisons based on testing of one of each competitive part.

### Less Fuel Consumed

The Thermo King compressor-equipped unit used over 1 gallon less fuel than the will-fit compressor-equipped units during the pulldown tests.



One-on-one comparisons based on testing of one of each competitive part.

Complete parts lineup available at your Thermo King dealer

## Reman Compressors



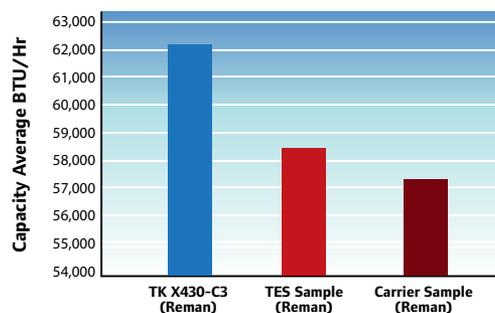
Reman Compressor ..... 810-2940

The Thermo King X430-C3 compressor is remanufactured on the same production line as the original Thermo King X430 compressor, the industry standard.

- Genuine OE Parts
- Genuine OE Skilled Manufacturing
- Genuine OE Quality, Reliability, and Performance
- Two-Year Warranty - On dealer- installed compressors (one-year on non-dealer installations).
- Nationwide Dealer Warranty Protection Coverage
- Less Fuel Consumed - Means less carbon emissions.
- Recycled Core Components - Results in less waste.

### Higher Capacity

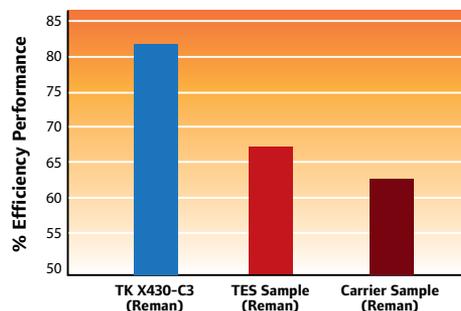
Reman X430-C3 outperformed competition on capacity by up to 9%, which means less run-time, lower wear and greater fuel savings.



Based on three side by side tests of competitive parts.

### Greater Efficiency

Reman X430-C3 outperformed the competition on efficiency by up to 23%, which means greater fuel savings.



Based on three side by side tests of competitive parts.

## Compressors (Trailer)



### 7qt. Deep Sump Compressors

7qt. Deep Sump X430 New .....	102-902
7qt. Deep Sump X430 New Exchange.....	810-2902
7qt. Deep Sump X430 Reman.....	810-2975

X426 Compressor .....	102-911
X426 New Exchange.....	810-2913

Deep sump 7qt. compressors are recommended for multi-temp units to ensure the compressor has enough oil to power the multiple zones.

## Application Chart (Trailer Compressors)

Part	Description	SB III	SB-100	SB-200	SB-300	SB-400	SB-190	SB-200 TG	SB-110	SB-210	SB-310	DE	SB	Super II
102-900	New Compressor X430	■	■	■	■		■	■	■	■	■	■	■	■
810-2900	New Exchange X430 C5 Compressor	■	■	■	■		■	■	■	■	■	■	■	■
810-2940	Reman X430 C3 Compressor	■	■	■	■		■	■	■	■	■	■	■	■
102-902	New X430 Deep Sump Compressor	■	■	■			■		■	■	■	■	■	■
810-2902	New Ex. X430 Deep Sump Comp.	■	■	■			■		■	■	■	■	■	■
102-911	New X426 C5 Compressor	■	■	■			■		■	■	■	■	■	■
810-2913	New Exchange X426 Compressor	■	■	■			■		■	■	■	■	■	■
22-759	Manifold Compressor	■		■	■		■			■	■	■	■	
22-735	Manifold Discharge	■												■

Multi-Temp ■

Complete parts lineup available at your Thermo King dealer

## Compressors (Truck)

### Recip Compressors:



**X214 Compressor** ..... 102-477  
**X214 New Exchange**..... 810-2477

Deep Sump X214 (1020825) is also available and recommended for multi-temp units.

### Reliable Reciprocating Compressors

- High volumetric efficiency vs. other reciprocating compressors due to more pumping capacity per cubic inch
- Reliable, time-tested design
- Field-repairable for easy service
  - No special tools or facilities required
  - Removable and replaceable cast iron cylinder sleeve design

### Scroll Compressors:



### The Most Advanced Scroll Compressors Ever

- High efficiency and greater capacity
- Less noise and vibration
- Less maintenance (87% fewer moving parts)
- E nickel-plated Oldham coupling for greater reliability



**4 HP** ..... 102-949  
**4 HP** ..... 102-946



**6 HP** ..... 102-950  
**6 HP, Multi-Temp** ..... 102-951

## Application Chart (Truck Compressors)

Part #	Description	KD II	MD II	MD-100	MD-200	MD-300	RD II	TD II	TS 200	TS-300	TS-500	V-200/300	V-500	Spectrum TS	T-600	T-800	T-1000
810-2477	New Exchange X214 Comp.	■	■														
102-477	New X214 Compressor	■	■														
102-825	New X214 Deep Sump Comp.			■	■	■									■	■	
102-951	Scroll -6 HP, Multi-Temp													■	■	■	■
102-950	Scroll - 6 HP										■						
102-949	Scroll -4 HP								■	■							
102-946	Scroll -4 HP														■	■	■
102-900	New Compressor X430																■
810-2900	New Exchange X430 C5																■
810-2940	Reman X430 C3																■
																	Multi-Temp ■

## Compressors (Small Truck & TriPac)



COMPRESSOR-TM15-HD 12V..... 102-580

### Application Chart (TriPac Compressors)

Part #	Description		
102-580	Compressor-TM15-HD 12V	■	TriPac
102-572	Compressor-TM15-XD 12V	■	

### Application Chart (Small Truck Compressors)

Part #	Description	V-190	V-200	V-250	V-280	V-300	V-400	V-500
102-570	Compressor-TM16-XD 12V		■	■		■		■
102-571	Compressor TM16 XD 24V		■			■		■
102-572	Compressor-TM15-XD 12V		■	■	■	■	■	■
102-574	Compressor-TM13-XD 12V	■	■	■		■		■
102-580	Compressor-TM15-HD 12V		■	■	■	■	■	■
102-586	Compressor TM16HD 12V VAR		■			■		■
102-741	Compressor Assy					■		
102-811	Compressor Assy, TK-208R		■					
102-858	Compressor 230/						■	■
102-860	Compressor, 230/							■
22-992	Manifold COmpressor	■	■	■	■	■	■	■

Complete parts lineup available at your Thermo King dealer

## Compressor Components



Kit - X426  
Overhaul Compressor ..... 20-139

### Also available:

Kit - X430  
Overhaul POE..... 20-159

Kit - X430 Overhaul  
Conversion..... 20-169

Kit - X430  
Overhaul Compressor ..... 20-140

Kit - Compressor  
Oil Filter\* ..... 20-123

Kit - Compressor  
Oil Filter..... 20-160

Kit - Compressor  
Oil Filter..... 20-184

\* May need to order mounting  
bracket and hoses based on  
application - refer to kit  
bulletin 2123



## TECH TIP

When replacing a compressor, always replace the drier and install a compressor oil filter kit. Thermo King also recommends running the unit for a few hours at testing with the oil test kit to validate the compressor oil is acceptable - remember to closely inspect the compressor drive bushings for wear!



Seal Small Shaft ..... 22-1100



Seal Large Shaft ..... 22-1101



Compressor Oil, POE  
 1 L 35 ..... 203-513  
 Compressor Oil, POE  
 1 L 120 ..... 203-515  
 Compressor Oil  
 1 L ..... 203-516  
 \*Be careful to select the correct  
 oil based on refrigerant used.

Compressor Oil,  
 Alkylbenzene ..... 67-404

# Don't Forget

Thermo King sells all parts to repair  
 Thermo King Compressors, including  
 connecting rods, crankshafts, pistons,  
 bearings and more! Not all parts are listed  
 here - contact your Thermo King dealer  
 today for more information!

Complete parts lineup available at your Thermo King dealer

## Application Chart (Compressor Components Trailer)

Part	Description	SB III	SB-100	SB-200	SB-300	SB-400	SB-190	SB-200 TG	SB-110	SB-210	SB-310	DE	SB	Super II
20-181	Kit Drive Shaft-Coupling	■												
22-789	Head-Cyl-Compr	■		■	■				■	■	■	■	■	■
22-1160	Pump Oil Compr Assy	■	■		■		■	■	■	■	■	■	■	■
22-759	Manifold Compressor	■		■	■		■			■	■	■	■	
22-735	Manifold Discharge	■												■
67-404	Compressor Oil, AB	■	■	■	■		■	■	■	■	■	■	■	■
203-513	Compressor Oil – 1 L 35, POE	■	■	■	■		■	■	■	■	■	■	■	■
203-515	Compressor Oil – 1 L 120, POE	■				■								
22-1101	Seal Large Shaft	■	■	■	■		■	■	■	■	■	■	■	■
22-1100	Seal Small Shaft	■												

Multi-Temp ■



## Gaskets

Ask your dealer for the best gaskets to fit your compressor. Common gaskets include:

O-Ring .....	33-2019
Gasket O-Ring.....	33-1223
O-Ring .....	33-230
O-Ring .....	33-1221
Gasket Discharge .....	33-2805
Gasket Kit.....	30-243

## Application Chart (Compressor Components Truck)

Part #	Description	KD II	MD II	MD-100	MD-200	MD-300	RD II	TD II	TS-200	TS-300	TS-500	Spectrum TS	T-600	T-800	T-1000
22-789	Head-Cyl-Compr						■								
22-1160	Pump Oil Compr Assy		■				■	■							
22-759	Manifold Compressor X430							■							
22-735	Manifold Discharge						■	■							
67-404	Compressor Oil, AB	■	■				■	■							
203-513	Compressor Oil – 1 L 35, POE (recip)	■	■	■	■	■	■						■	■	■
22-1100	Seal Small Shaft	■	■				■		■	■	■	■	■	■	■
203-516	Compressor Oil - 1L (scroll)								■	■	■	■	■	■	■

Multi-Temp ■

## Application Chart (Small Truck Compressors)

Part #	Description	V-200	V-250	V-280	V-400	V-300	V-500	V-520
203-515	Compressor Oil – 1 L 120	■	■	■	■	■	■	■

## Application Chart (TriPac Compressors)

Part #	Description	TriPac
22-992	Manifold-Compr Tm	■
203-502	Compressor Oil – 8oz.	■
203-515	Compressor Oil – 1 L 120, POE	■

**MORE PARTS AVAILABLE**

ASK YOUR DEALER FOR THE COMPLETE PARTS LIST...



Complete parts lineup available at your Thermo King dealer

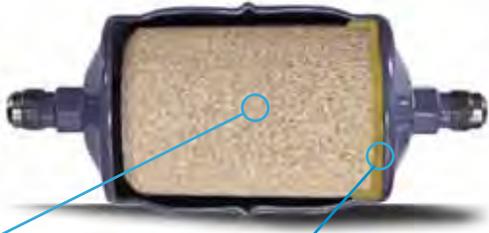


*Genuine Thermo King*  
**Refrigeration**

All Thermo King refrigeration components are designed for long life with maximum strength and support. Keep your equipment running at peak form - choose only Genuine Thermo King!

# Driers

Genuine Thermo King offers only high efficiency filter driers with significant reserve capacity for the application. They are manufactured to protect the refrigeration system from water, harmful contaminants and particles and tested to withstand extensive and severe vibration.



Thermo King driers use a full wrap final filter pad that imitation driers do not match. The full wrap feature provides an optimum end cap seal so that no appreciable physical particulate material can escape the drier.



Some imitation driers may use granular or 'bead' technology where desiccant beads rub together as refrigerant passes through, causing the risk that fine pieces of the beads could be passed into the system.

Thermo King uses a molded solid core technology created with a blend of desiccants that are uniform in size for proper porosity and bonded together so that the desiccants stay in place as the refrigerant passes through.

## Driers (Trailer)



Single ..... 61-600  
 Case of 10 ..... 68-600  
 O-ring ..... 33-2115  
 O-ring ..... 33-566



Single ..... 66-4900  
 Case of 10 ..... 67-4900



Single ..... 66-4729  
 Case of 10 ..... 67-4729

Part # - Single	Part # - Case of 10	SB III	SB-100	SB-200	SB-300	SB-400	SB-190	SB-200 TG	SB-110	SB-210	SB-310	DE	SB	Super II
61-600	68-600	■	■	■	■	■	■	■	■	■	■	■	■	■
66-4900	67-4900	■												■
66-4729	67-4729	■												

Multi-Temp ■

Complete parts lineup available at your Thermo King dealer

## Driers (Truck)



Single ..... 61-800  
 Case of 10 ..... 68-800  
 O-ring ..... 33-1015

## Driers (Truck continued)



Single ..... 66-8471  
 O-ring ..... 33-1015  
 O-ring ..... 33-566



Single ..... 66-8718  
 O-ring ..... 33-1015  
 O-ring ..... 33-566

# Don't Forget

To order o-rings for your drier (when needed)

**Trailer**

O-ring: 33-2115  
 O-ring: 33-566

**Truck**

O-ring: 33-1015  
 O-ring: 33-566

**TriPac**

O-ring: 33-1461

Part # - Single	Part # - Case of 10	KD II	MD II	MD-100	MD-200	MD-300	RD II	TD II	TS-200	TS-300	TS-500	V-200/300	V-500	Spectrum TS	T-600/800	T-1000	SPECTRUM
61-800	68-800	■	■	■	■	■	■	■	■	■	■			■	■	■	■
66-8471													■				
66-8718												■	■				

Multi-Temp ■

## Driers (TriPac)



Single ..... 61-3316  
 O-ring ..... 33-1461



Single ..... 61-3552  
 O-ring (included) ..... 33-1461

Part # - Single	TriPac
61-3316 (before 10/06)	■
61-3552 (after 10/06)	■

# Valves & Vibrasorbers

Thermo King refrigeration parts are designed to keep your unit running in top condition. All components must pass rigorous testing to withstand the tough conditions a refrigeration unit faces on the road.

## Vibrasorbers



Vibrasorber ..... 66-5784



Discharge Vibrasorber ..... 66-7848



Suction Vibrasorber ..... 66-6024

## Valves



Expansion Valve..... 61-1900



Valve - Expansion..... 66-8200



Valves Service Discharge... 66-129



Valve - Reg Press..... 66-5013



Valve - Sol Liq / Refr..... 61-283



Valve Suct Serv ..... 66-5318



Valve Relief ..... 66-7392



Valve Reg..... 61-1091

## Valves & Vibrasorbers (Trailer)

Part #	Description	SB III	SB-100	SB-200	SB-300	SB-400	SB-190	SB-200 TG	SB-110	SB-210	SB-310	DE	SB	Super II
		61-598	Valve-Expansion (rear evap)	■										
61-1300	Valve, Solenoid	■										■	■	■
61-1900	Valve Expansion		■				■	■	■	■			■	
61-3401	Valve, Solenoid	■						■				■	■	■
61-3767	Valve-Expansion							■	■	■	■			
66-129	Valve Service Discharge	■	■	■	■		■	■	■	■	■	■	■	■
66-1273	Valve Check	■	■	■	■	■	■	■	■	■	■	■	■	■
66-2009	Valve Pilot Solenoid 12V	■												■
66-5318	Valve Suct Serv	■	■	■	■	■	■	■	■	■	■	■	■	■
66-5908	Valve-Sol-Pilot-12VDC	■												
66-5993	Valve-Expansion	■												
66-6268	Valve-Sol Liq/Refr	■											■	■
66-7392	Valve Relief	■	■	■	■	■	■	■	■	■	■	■	■	■
66-7532	Valve Expansion													■
66-7636	Valve-Sol-Pilot 12VDC	■	■	■	■	■	■	■	■	■	■	■	■	
66-7893	Valve Expansion (rear evap)	■											■	
66-8200	Valve-Expansion	■												
66-5784	Vibrasorber	■	■	■	■	■	■	■	■	■	■	■	■	
66-6024	Vibrasorber-Suction	■	■	■	■		■	■	■	■	■	■	■	
66-7848	Vibrasorber-Discharge													■

Multi-Temp ■

## Valves &amp; Vibrasorbers (Truck)

Part #	Description	KD II	MD I	MD-100	MD-200	MD-300	RD II	TD II	TS-200	TS-300	TS-500	V-200/300	V-500	Spectrum TS	T-600/800	T-1000
61-283	Valve-Sol Liq/Refr	■	■	■	■	■	■	■	■	■	■					
61-598	Valve-Expansion						■									
61-1091	Valve Reg	■	■	■	■	■			■	■						
61-1300	Valve, Solenoid		■				■									
66-1273	Valve Check			■	■	■	■		■	■	■					
66-2009	Valve Pilot Solenoid 12V	■	■				■	■								
66-5013	Valve-Regulator Pressure		■													
66-5908	Valve-Sol-Pilot-12VDC	■	■				■					■	■			
66-5993	Valve-Expansion	■	■				■									
66-6268	Valve-Sol Liq/Refr		■				■						■	■		
66-7392	Valve Relief	■	■	■	■	■	■	■	■	■	■					
66-8200	Valve-Expansion		■				■									
66-8284	Valve-Expansion						■	■			■					
66-8560	Valve-Sol-Pilot 12VDC	■	■	■	■	■	■	■	■	■	■			■		
61-4715	Valve-Expansion														■	
61-4704	Valve-Expansion															■

Multi-Temp ■

## Valves &amp; Vibrasorbers (TriPac)

Part #	Description	TriPac
61-4091	Valve-Expansion	■

## Coils



Evaporator Coils..... 67-916



Precooler Coils..... 67-2146



Coil Assembly  
Condenser..... 67-2218



Coil..... 67-2244

## Refrigeration - Coils (Trailer)

Part #	Description	SB III	SB-100	SB-200	SB-300	SB-400	SB-190	SB-200 TG	SB-110	SB-210	SB-310	DE	SB	Super II
67-916	Coil Evap	■	■	■	■		■	■	■	■	■			
67-1818	Coil Evaporator					■								
67-2218	Coil Assembly, Condenser	■	■	■	■	■	■	■	■	■	■	■	■	
67-2219	Coil Assembly, Condenser	■		■	■	■	■	■	■	■	■	■	■	

Multi-Temp ■

## Refrigeration - Coils (Truck)

Part #	Description	KD II	MD II	MD-100	MD-200	MD-300	RD II	TD II	TS-200	TS-300	TS-500	V-200/300	V-500	Spectrum TS
67-2167	Coil Condenser										■			■
67-2213	Coil					■								
67-2216	Coil			■	■									

Multi-Temp ■

## Refrigeration - Coils (TriPac)

Part #	Description	TriPac
67-2145	Coil, Condenser (before 08/07)	■
67-2146	Coil, Precooler (before 03/08)	■
67-2244	Coil Precooler (03/08 to 07/09)	■
67-2363	Coil-Condenser (after 08/07)	■
67-2406	Coil-Precooler (after 07/09)	■



# TECH TIP

**Any time a refrigeration system is open for service we recommend you always change the drier to assure maximum system performance.**

If the system was open for any amount of time, we also recommend testing the compressor oil with an oil test kit to ensure that the oil is not contaminated.

*Complete parts lineup available at your Thermo King dealer*

## Refrigeration Kits



Kit 3Way Valve Rebuild.... 60-300



Kit Check Valve 3 Way ..... 60-163



Kit Valve Throttling ..... 60-298

## Refrigeration Kits (Trailer)

Part #	Description	SB III	SB-100	SB-200	SB-300	SB-400	SB-190	SB-200 TG	SB-110	SB-210	SB-310	DE	SB	Super II
60-163	Kit Check Valve 3 Way	■	■	■	■	■	■	■	■	■	■			
60-186	Kit Repair	■										■	■	
60-251	Kit Repair Valve & Tube	■										■	■	■
60-294	Kit Repair For 61-3401	■						■				■	■	■
60-298	Kit Valve Throttling	■	■				■	■	■	■		■	■	■
60-300	Kit 3Way Valve Rebuild	■	■	■	■	■	■	■	■	■	■			
67-2276	Pan Defrost Compl	■	■	■	■		■	■	■	■	■			

Multi-Temp ■

## Refrigeration Kits (Truck)

Part #	Description	KD II	MD II	MD-100	MD-200	MD-300	RD II	TD II	TS-200	TS-300	TS-500	V-200/300	V-500	Spectrum TS
60-163	Kit Check Valve 3 Way	■	■	■	■	■	■	■	■	■	■			■
60-186	Kit Repair		■				■							
60-251	Kit Repair Valve & Tube		■				■							
60-298	Kit Valve Throttling						■	■			■			■
60-300	Kit 3Way Valve Rebuild	■	■	■	■	■	■	■	■	■	■			■

Multi-Temp ■

### General Components



Tank Receiver..... 67-1179



Thermometer  
Dual Scale ..... 61-3467



Pan Defrost ..... 67-2276



Hose 1/4Id  
10.00In Refr ..... 66-7472



# Don't Forget

Thermo King sells all refrigeration components required to repair your Thermo King refrigeration units, including tanks, tubes, hoses, coils, and more! Not all parts are listed here – contact your Thermo King dealer today for more information!

Complete parts lineup available at your Thermo King dealer



*Genuine Thermo King*  
**Drives & Fans**

Engineered for optimum performance and long life,  
Genuine Thermo King drive components deliver  
for the long haul.

# Drives & Fans

All Thermo King drives and fans are rigorously tested and evaluated to ensure premium quality, reliability, and performance within our refrigeration units.

## Fans



Condenser Fan ..... 78-595  
SB III, SB-210,  
and Spectrum SB



Condenser Fan ..... 78-1080  
SB-210



Condenser Fan ..... 78-687  
MD Units  
(78-954 is plastic version)



Condenser Fan ..... 78-1214  
TS-200 and 300



Condenser Fan ..... 78-1403  
TS-500 and Spectrum TS



Remote  
Evaporator Fan..... 78-1554  
Spectrum SB and TS



Precool Coil Fan ..... 78-1535  
TriPac



Evaporator Fan..... 78-1537  
TriPac

## Application Chart Fans

	SB III	SB-210	SB-310	TriPac	MD-100 200, 300	TS-200, 300	TS-500	Spectrum SB	Spectrum TS
Condenser Fan	78-595	78-1080	78-595		78-687	78-1214	78-1403	78-595	78-1403
Fan Precool Coil				78-1535					
Fan Evaporator				78-1537		78-1308	78-1306		
Fan Evap CCW						78-1305	78-1307		
Remove Evap Blower								78-1554	78-1554

## Drives



Fan Shaft  
Assembly ..... 78-706  
SB III, SB-210, SB-310  
and Spectrum SB



Fan Shaft  
Assembly ..... 78-782  
MD Units



Fan Shaft  
Assembly ..... 78-1066  
TS Units

## Jackshaft Assemblies



Jackshaft  
Assembly ..... 77-1712  
MD Units



Jackshaft  
Assembly ..... 77-2580  
TS-200 and 300



Jackshaft  
Assembly ..... 77-1011  
TS-500 and Spectrum TS

## Couplings



Compressor Drive  
Coupling  
(8-pin large shaft)..... 77-2506  
SB III, SB-210, SB-310,  
and Spectrum SB



Compressor Drive  
Coupling  
(6-pin large shaft)..... 77-2509  
SB III



Compressor Drive  
Coupling  
(8-pin small shaft) ..... 77-2358  
SB III



Compressor Drive Coupling  
(6-pin small shaft) ..... 77-2504  
SB III

## Application Chart Drives

	SB III	SB-210	SB-310	MD-100, 200, 300	TS-200, 300	TS-500	Spectrum SB	Spectrum TS
Coupling Comp. Drive	77-2504	77-2506	77-2506				77-2506	
Coupling Comp. Drive	77-2358							
Coupling Comp. Drive	77-2509							
Coupling Comp. Drive	77-2506							
Fan Shaft	77-2614	77-2614	77-2614	77-2617	77-2619	77-2619	77-2614	
Idler Pulley Shaft	77-2613	77-2613	77-2613				77-2613	
Fan Shaft Assy	78-706	78-706	78-706	78-782	78-1066	78-1066	78-706	
Jackshaft Assy				77-1712	77-2580	77-1011		77-1011

### Miscellaneous Kits



Bearing Kit ..... 77-1070



Fan shaft  
Repair Kit ..... 70-135



Idler Pulley Kit..... 70-199



Idler Pulley Damper  
and Seal Kit ..... 70-212

## Don't forget:

When purchasing the Fan Shaft repair kit, be sure to ask your dealer for Oil (203-278).



## TECH TIP

Any time you service a Thermo King fan or idler shaft, remember to use only approved Thermo King liquid grease for maximum performance.

# EVEN THE SMALLEST DETAILS MATTER

## GENUINE THERMO KING GASKETS AND HARDWARE

When we design your new Thermo King unit, the key is in the details. Every component, no matter how large or small, is important to the overall quality and performance of your unit. The gaskets and hardware are specially selected, tested and recommended for each Thermo King unit. When maintaining your unit, do not accept imitations – even on the “little things.”



Thermo King offers over 1700 gaskets, hardware components and kits. All gaskets needed for your Thermo King units are available – just ask your dealer!

Gasket Discharge .....	33-2805
O-Ring .....	33-2019
Gasket .....	33-1749
O-Ring .....	33-230
Washer .....	55-1922
O-Ring .....	33-1221
Gasket / O-Ring .....	33-1223



## Don't Forget

Watch for gasket and hardware recommendations throughout this catalog. Do not accept imitations! Only Genuine Thermo King gaskets were designed to keep your unit performing at its best.

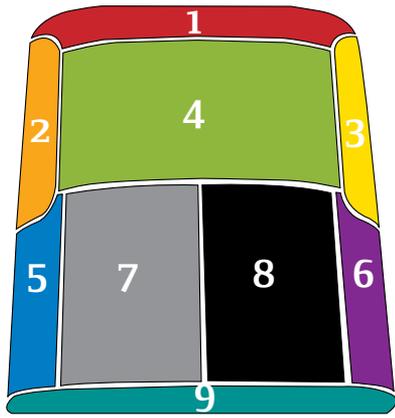


*Genuine Thermo King*  
**Structural**

Only Genuine Thermo King structural components can deliver the looks and performance your Thermo King unit deserves.

# Structural

Genuine Thermo King structural parts are designed with your unit, to fit perfectly and give maximum life. Thermo King doors are manufactured to provide the lowest level of noise, maximum aerodynamics, highest level of scratch concealment, strongest corrosion and impact resistance of any option in the market today. Don't wrap your unit in anything but the best – use Genuine Thermo King parts to make your unit genuine.



## Don't forget:

For easier install, don't forget hardware kits:

### Curbside Door

90-260 – SBII/III  
90-264 – Whisper

### Roadside Door

90-262 – SBII/III (Middle handle)  
90-259 – SBII/III (Lower handle)  
90-263 – Whisper

## Structural (Trailer SB II & III models)

### SB II and SB III



1 Top Crown	98-2747
2 Curbside Grille	98-5288
3 Roadside Grille	98-5288
4 Top Door	98-5283
5 Curbside Panel (Metal)	98-2748
ABS Plastic	98-4488
6 Roadside Panel (Metal)	98-4091
ABS Plastic	98-4487
7 Curbside Door (Metal)	98-3030
8 Roadside Door (Metal)	
Middle handle	98-3031
Lower handle	99-4489
9 Bottom Panel	98-4653

### SB III Whisper



1 Top Crown	98-5208
2 Curbside Grille	98-5210
3 Roadside Grille	98-5288
4 Top Door	98-5283
5 Curbside Panel	92-2405
6 Roadside Panel	92-2406
7 Curbside Door	
(ABS Plastic)	98-4480
8 Roadside Door	
(ABS Plastic)	98-5401
9 Bottom Panel	98-4653

Complete parts lineup available at your Thermo King dealer

## Structural (Trailer SB-110, 210, 310 and 400 models)



### SB models

1 Top Crown	98-6769
2 Curbside Grille (Black)	98-7302
White	98-7469
Grey	98-7470
Chrome	98-7471
3 Roadside Grille (Black)	98-7197
White	98-7473
Grey	98-7474
Chrome	98-7475
4 Top Door	98-7059
5 Curbside Panel	98-5762
6 Roadside Panel(SR2)	98-7078
(MP6)	98-7079
7 Curbside Door	98-5763
8 Roadside Door	98-7058
9 Bottom Panel	98-7057

## Structural (Truck MD and TS models)



### MD-100, 200 or 300

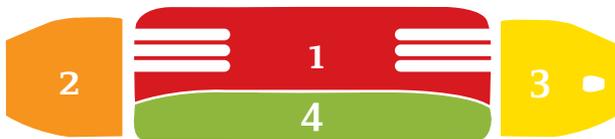
1 Front Cover	98-6679
2 Engine Door	98-6681
(with TK370 Engine)	98-7505
3 Roadside Door	92-2992
4 Bottom Panel	98-6680

### TS-200 and 300 models

1 Front Cover	(1/01 and after)	98-5988
2 Engine Door	(7/01 to 7/04)	90-362
	(After 7/04)	98-7018
3 Roadside Door	(7/01 to 7/04)	98-5989
	(After 7/04)	98-7017
4 Bottom Panel	(7/01 to 7/04)	98-6617
	(After 7/04)	98-7021

### TS-500 and SPECTRUM models

1 Front Cover	98-6159
2 Engine Door	(7/01 to 7/04)
	(w/Gullwing door)
	(After 7/04 )
	98-7085
3 Roadside Door	(7/01 to 7/04)
	(After 7/04)
	98-7056
4 Bottom Panel	(7/01 to 7/04)
	(After 7/04)
	98-6441
	98-7046



## Structural (Truck T-Series models)



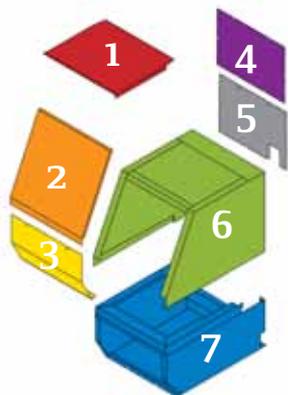
### T-500, 600, 600R, 800 and 800R

1 Front Cover	98-8019
2 Engine Door	98-8023
3 Roadside Door	98-8024
4 Bottom Panel	98-8017
5 Belly Band	98-8018

### T-1000 and SPECTRUM Models

1 Front Cover	98-8022
2 Engine Door	98-8023
3 Roadside Door	98-8024
4 Bottom Panel	98-8017
5 Belly Band	98-8018

## Structural (TriPac)



### Tier 1

1 Top Cover	92-5502
2 Front Top Cover	98-7400
3 Bottom Front Cover	92-5503
4 Top Rear Panel	98-7408
5 Bottom Rear Panel	98-7409

### Tier 2 (Before 3/06)

1 2 Top Cover	98-7500
3 Bottom Access Panel	98-7234
4 Top Rear Panel	98-7495
5 Bottom Rear Panel	98-7301
6 Upper Enclosure	98-7236
7 Lower Enclosure	98-7237

### Tier 2 (After 3/06)

1 2 Top Cover	98-7500
3 Bottom Access Panel	98-7501
4 Top Rear Panel (Before 10/06)	98-7495
5 Bottom Rear Panel	98-7496
10/06-1/08	98-7583
After 1/08	92-6721
6 Upper Enclosure	98-7498
7 Lower Enclosure	98-7497



*Genuine Thermo King*  
**Accessories**

Innovative and built to last, these quality accessories are designed to save you money by keeping you on the road and saving fuel.

## EON Battery



### Dry Cell Technology

The EON battery uses Absorbed Glass Mat (AGM) technology to offer, in one box, the characteristics of two separate batteries. It can deep cycle as well as provide enormous cranking power in one durable package.

### Superior Cranking and Fast Charge Capability

The 5-second cranking power of the EON is double to triple that of equally sized conventional batteries, even at extremely low temperatures.

Threaded Post .....	203-550
Smooth Post .....	203-551

## ReliaMax Batteries



### Reliable Power

ReliaMax batteries provide reliable cranking power in even the harshest conditions. Because battery life is directly related to environmental temperature, it's essential to choose the correct battery for your operating conditions to maximize battery life. Lower cold cranking amp (CCA) batteries will outlast higher CCA batteries in the same operating conditions, so choose only the CCA necessary. Thermo King offers ReliaMax batteries in 750 CCA for warmer climates and 925 CCA for colder climates.

Part Number	Cold Cranking Amps	Reserve Capacity @25 AMPS (minutes)	Weight (lbs.)
<b>925N Cold - Warm</b>			
203-732 Post (203-736 Canada)	925	180	60
203-733 Stud (203-737 Canada)	925	180	60
<b>750S Warm - Hot</b>			
203-730 Post (203-734 Canada)	750	180	59
203-731 Stud (203-735 Canada)	750	180	59

## EON Power Pack



### Economical auxiliary power for operating lights

- Avoid dead truck batteries
- Powered by a long-lasting EON battery
- Easy to install
- Weatherproof enclosure

### KIT INCLUDES:

- Low voltage disconnect to maximize battery life
- Weatherproof switch with integrated 45-minute timer
- Charging circuit to connect system to reefer or truck alternator

**For Interior Lights** ..... 40-999

**With Lift Gate Charging** ..... 40-1033

## External Battery Charging Kit



### Keep your lift gate or other accessories working all day!

- Reefer alternator charges lift gate or other battery
- Reefer battery is isolated from external current draw to ensure continuous starting power
- Disconnects during lift gate operation and retains power capacity for refrigeration needs
- Thick 4-gauge wire promotes rapid charging

**60 ft. of cable** ..... 40-873

**30 ft. of cable** ..... 40-904

**No cable** ..... 40-905

## PrimAir™ Chutes



### Chute Systems

PrimAir chutes are designed to provide uniform temperatures throughout the entire trailer to ensure optimum cargo protection. Fits all SB and SB+ series units. PrimAir Split Air Chutes also available to minimize loading damage.

43 ft. Vinyl Air Chute.....	201-3030
38 ft. Vinyl Air Chute .....	201-3022
43 ft. PE Air Chute.....	201-3034
38 ft. PE Air Chute.....	201-3035
43 ft. Vinyl Air Chute with Rivets .....	201-3037
38 ft. Vinyl Air Chute with Rivets .....	201-3029
43 ft. PE Air Chute with Rivets.....	201-3040
38 ft. PE Air Chute with Rivets.....	201-3041
10 inch Offset Adapter Bracket .....	201-3023
17 inch Offset Adapter Bracket .....	201-3024
Adapter Bracket Carrier X units.....	201-3039
Nylon Drive Rivets – 60 pack.....	51-1895
48 ft. Vinyl Split Air Chute .....	TK-RMSD-48T
48 ft. Mesh Split Air Chute .....	TK-RMSD-48TMSH

## PrimAir™ Bulkheads



### Return Air Bulkheads

The PrimAir bulkhead's support pods have been uniquely designed and positioned so that return air actually mixes to deliver a more consistent temperature upon entering the evaporator coil. That results in a more efficient operating unit that delivers better cooling to the cargo and saves energy. Heavy duty bulkhead offers 40% thicker design for added durability. A two-piece Return Air Bulkhead is also available with independent pallet stops for replacement of high-impact area only.

Standard White.....	98-6218
Standard Black.....	98-6217
Heavy Duty White .....	98-8275
Two-Piece .....	TK-VORTEX

## PrimAir™ Insulated Bulkheads



### Insulate Multi-Temp Compartments

PrimAir™ insulated bulkheads are designed and constructed for exceptional durability at an extremely light weight. They are easy on loaders and easy on drivers.

- Insulated Bulkhead .....TK-PRIMAIR-IB
- Nylon Web Strap .....ESTRAPKIT-REF
- Adjustable Vent ..... VENT

# LUBRICANTS

Lubricants for increasing the life of critical components.



Thermo King offers a variety of Chevron lubricants for increasing the life expectancy of critical components within your refrigeration unit. Lubricants available through this program include motor oil, engine coolant, transmission fluid, grease, and hydraulic oil - all available in various package sizes. Proper use of these lubricants helps to maximize reefer efficiency, extend service intervals and increase the overall life of the equipment. Please contact your local Thermo King dealer for more information on this program.

## Remote Status Lights and Combo Displays



### Status Only Display

Provides on-road visibility to basic functions, including check alarm codes and shutdown alarms.



### Fuel Combo Display

Offers all features of Status Only display, plus fuel level display and low fuel, check alarm and shutdown alarms.



### Triple Combo Display

Offers all features of other displays plus temperature display in up to three different compartments.

Display	Status & Alarms	Fuel Level	Temperature	Fuel Tank	Gauge Kit Part #
Status Only	✓				40-980
Status Only (Flush)	✓				40-981
Fuel Combo	✓	✓			40-1068
Fuel Combo	✓	✓		✓	40-1070
Triple Combo	✓	✓	✓		40-1064
Triple Combo	✓	✓	✓	✓	40-1063

All displays are corner-mount except where noted. 1-year parts warranty.

## Fuel Tanks



### Lightweight and durable

Thermo King aluminum fuel tanks are designed to meet your fueling needs and are available in capacities from 30 to 110 gallons. Anti-siphon device available to prevent fuel theft.

TRAILER	Part #	Capacity (Gal)
	12-497	30
	12-650	50
	12-843	75
	12-644	90
	12-789	110
TRUCK	Part #	Capacity (Gal)
	12-927	30
ANTI-SIPHON DEVICE	Part #	
	11-9631	

## Electronic Door Switches



### Electronic Door Switches offer:

- Improved temperature control
- Low-profile design
- Durable, long-lasting weather/waterproof construction
- Electronic solid-state design
- Shut down of reefer in non-cooling situations — less run time means less fuel used and lower maintenance costs
- Completely retrofittability on all trailers and trucks or available as a factory option

2-Wire Switch.....	40-907
3-Wire Switch.....	40-906

## Protective Guards



### SB Door Guard

Protect your unit doors and controller with durable guards designed to take the impact from cables or branches. Guards easily mount directly to SB units without compromising the trailer swing radius or service access.

Part Number..... 909-130



### S-3 Evap Guards

Constructed of high-strength aluminum, these guards are designed to protect remote evaporators from damage during loading and unloading.

Part Number..... 90-320



### SB Intermodal Guard

Protect units from damage during intermodal shipment by truck and rail with this heavy-duty steel protection package.

Part Number..... 909-131

## Thermo King Telematics Solutions



# TrackKing

TrackKing, available in satellite or cellular, delivers operational efficiencies going beyond the cold chain to vehicle and driver management. This system provides fleet managers with a dashboard of cost critical information by trip, by driver and by vehicle, allowing them to quickly gauge the productivity of their fleets.

### Cellular

TrackKing Truck.....	40-1045
TrackKing SR-2 .....	40-1046
TrackKing Non SR-2 w/DAS .....	40-1047

### Satellite

TrackKing mP-VI 1 way kit .....	40-1050
TrackKing SR-2 1 way or 2 way kit .....	40-1051
TrackKing mp-VI 2 way kit .....	40-1052



### Temperature Management

- Optimum temperature management to ensure top quality product delivery
- Lower service costs and unit down-time with real time alarm notification
- Manage the refrigeration unit remotely with 2-way control
- Help ensure cargo integrity



### Vehicle TrackKing

- Accurate location of your fleet at all times on a map
- Increased cargo security through asset visibility
- Locate Thermo King dealers easily on a map for service support
- Monitor vehicle routes by replaying journey on a map (cellular only)
- Theft protection with battery backup (cellular only)



### Fuel Management

- Optimize fuel consumption by trip, vehicle and driver
- Minimize environmental impact with better fuel management
- Lower fuel costs with improved driving styles



### Vehicle Management

- Increase fleet uptime
- Lower total cost of fleet ownership with accurate vehicle data
- Improve fleet utilization with route management

Complete parts lineup available at your Thermo King dealer

## DAS (Data Acquisition System)



The industry's most powerful independent data recorder.

- Provides independent documentation of cargo temperatures during transport
- Developed and tested to comply with all European temperature recording requirements
- Memory and real-time clock independent of unit controller
- Up to six independent temperature sensors
- Data output to printer or PC
- Supported by user-friendly Thermo King Wintrac™ software
- Fully interactive with most Thermo King truck and trailer controllers

**DAS (Data Acquisition System) Software..... 45-2231**

## Wintrac™ 4 Software



A fast, easy-to-use Windows™ based reporting utility for Thermo King data loggers. Quick, easy answers to performance questions.

- Fast performance analysis — easily define and search for critical data you need
- Innovative, easy-to-use graphical user interface
- Automatic, comprehensive management of files
- Fast, easy downloads
- Fast, flexible viewing of graph and table Reports
- Fast, convenient setting of trip headers
- Fast retrieval and setting of data logger set-up features
- Comprehensive trip file import/export capabilities

**Wintrac 4.8.1 (Full Install)..... 204-1919**

**Wintrac 4.8.1 (Upgrade) ..... 204-1920**

**\*order cables as required.**

## i-Box



Universal translator for communications. — Enables data transfer for third party telematics providers.

- Enables third party remote communications, works with any communications system
- Jointly developed with transport industry leaders
- Robust construction, built to last
- Connects to any existing SMART REEFER®

**iBox (1-way) .....40-1060**

**iBox (2-way) .....40-1058\***

*\*contact your dealer for legacy part information*

## Espar Heaters



### The ultimate in idle reduction and driver comfort.

Espar heaters save money and fuel by eliminating the need to idle your truck in addition to enhancing driver comfort and increasing driver retention. Espar heaters also comply with anti-idling regulations and stricter emissions standards.

Thermo King offers the full line of Espar heaters and repair parts. Contact your Thermo King dealer for more information!

Bunk Heat Models	BTU's
Airtronic D2-D4.....	7,500-13,650

Engine Pre-Heat Models	BTU's
Hydronic 5-35.....	17,000-120,000

School Bus Heat Models	BTU's
E-Guardian 5-12 .....	4,100-42,000

## E-Series Cargo Heaters



### Protect perishables from cold temperatures

E-Series cargo heaters protect valuable loads from low temperatures using high volume heat output and high airflow for even temperature distribution. E-Series heaters have DOT approval for use with many hazardous materials. Various sizes of heaters are available for all applications

E-13 Heater .....	80-212
E-18 Heater .....	80-213
E-28 Heater .....	80-210



E-13



E-18



E-28



*Genuine Thermo King*  
**Service Contracts**

Thermo King offers service and maintenance solutions to fit your business needs.

# Thermo Gard™ Service &

*Choose the program that best fits your needs.*



## Silver

### Centralized Billing.

We consolidate invoices from multiple Thermo King dealer locations for service, parts and labor to lighten your administrative load.

#### *Saves You Time and Money*

##### **Cost Savings:**

- National consistent parts pricing
- Standardized labor times
- System filters to ensure warranty capture
- Reduced administrative time

##### **Convenience:**

- Instant credit at over 200 dealer service locations in North America
- All Thermo King invoices combined in one simple monthly statement

##### **Organization:**

- Consolidated invoice reports
- Service order detail reports
- Customizable fleet management reports

##### **Control:**

- You maintain control by authorizing repairs
- You can set approval levels of authority



## Gold

### Extended Warranty Program.

Designed to keep you running at maximum efficiency, Thermo Gard Gold Extended Warranty gives you coverage that extends beyond the standard warranty policy.

#### **North American Coverage**

- Flexible options
- Certified service
- Accurate cost projections
- Genuine Thermo King Parts
- Coverage for all major components
- Increased uptime
- Extra protection for you and your investment
- No-hassle claims processing
- Convenience - Work can be performed by any Thermo King dealer

*Complete parts lineup available at your Thermo King dealer*

# Refrigeration Maintenance Solutions

*Best fits your business needs*



## Platinum

### The best reefer service anywhere.

Our Platinum Guaranteed Maintenance program provides the ultimate in preventive and predictive refrigeration unit maintenance. Platinum offers solutions by customizing maintenance programs to meet your specific needs, immediate and long term.

#### Choose from Four Levels of Platinum Protection:

##### Platinum Premier

- Fixed cost for easy budgeting with no surprises
- Comprehensive program tailored to maximize uptime
- Includes coverage for all scheduled maintenance and all unscheduled or breakdown service
- Service performed by factory trained technicians at any of over 200 participating dealer locations in North America
- 24/7 access to expedited service
- Lessens your risk and puts the responsibility on us

##### Platinum Essential

- Allows you to exchange the major component coverage of Platinum Premier for a lower cost coverage option
- Guaranteed time and materials rates for engine, compressor, and microprocessor repairs
- Service performed by factory trained technicians at any of over 200 participating dealer locations in North America
- Provides more economical coverage alternative for older equipment

##### Platinum PM

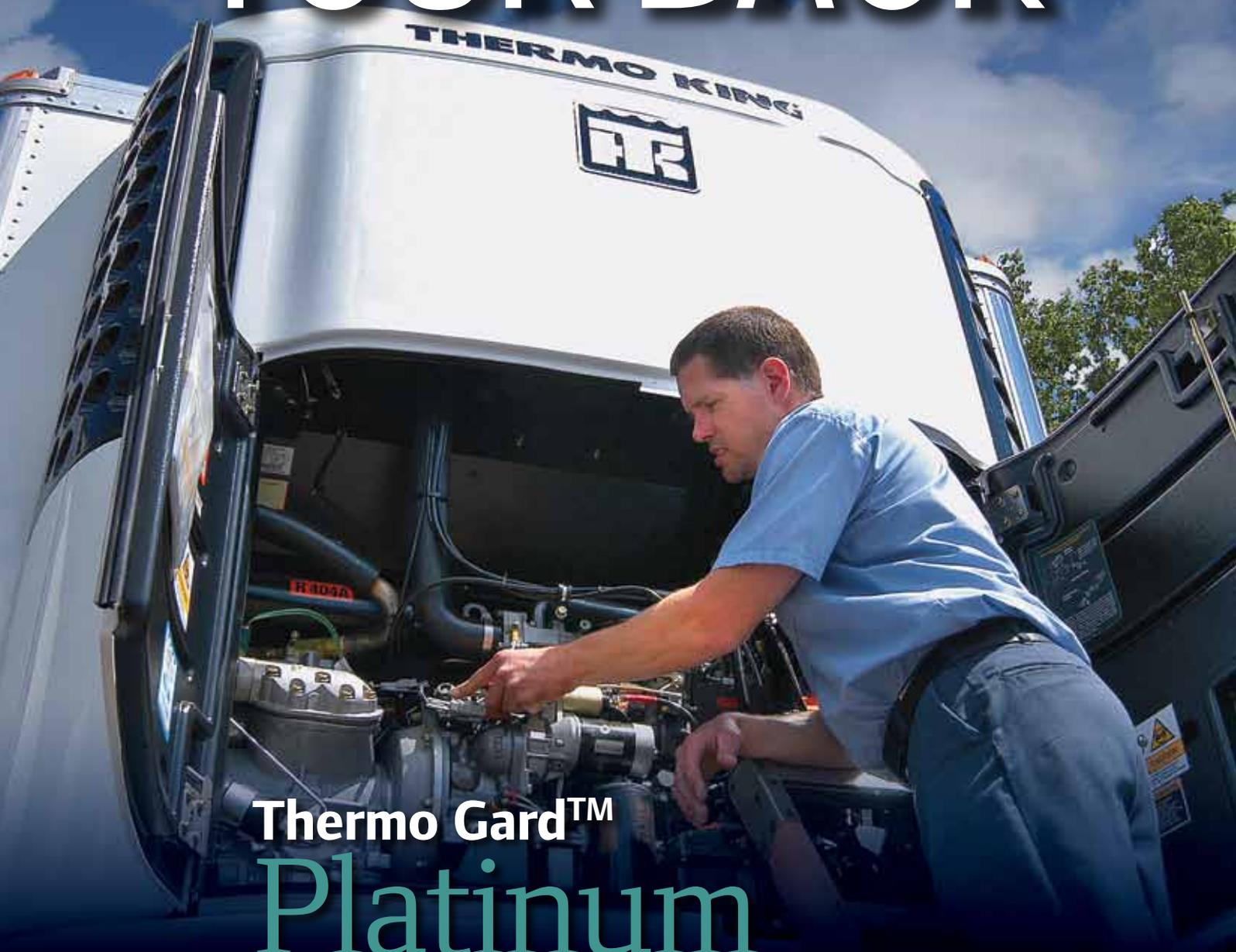
- Includes preventive maintenance service at factory recommended intervals:
  - Comprehensive 60-point inspection
  - Oil change
  - Oil and fuel filter replacement
- Coverage available at a fixed cost for terms of 3 to 7 years
- Service performed by factory trained technicians at any of over 200 participating dealer locations in North America
- Same affordable rates regardless of equipment age

##### Platinum PM+

Includes everything from Platinum PM **plus**:

- Air filter replacement at recommended intervals
- One interim inspection annually

# WE'VE GOT YOUR BACK



## Thermo Gard™ Platinum

*Fixed Costs. Easy Budgeting. No Surprises.*



**Contact your Thermo King dealer**  
or call (952) 886-6014 to enroll in a Thermo Gard maintenance  
program for your reefer units and TriPac™ systems.



Providing equipment and services to manage controlled-temperature environments for food and other temperature-sensitive products, our Climate Control Technologies sector encompasses both transport and stationary refrigeration solutions. Our product brands include Thermo King®, a world leader in transport temperature control systems, and Hussmann®, a manufacturer of refrigeration and food merchandising equipment.

[www.thermoking.com](http://www.thermoking.com)   [www.hussmann.com](http://www.hussmann.com)   [www.ingersollrand.com](http://www.ingersollrand.com)

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