

KEEP COOL



The Professional Choice
Platinum
Pro

Platinum
HD

**YOUR FULL-LINE DOMESTIC & IMPORT
AUTO / TRUCK PARTS SUPERSTORE**



OEM Recycled • Aftermarket by Keystone

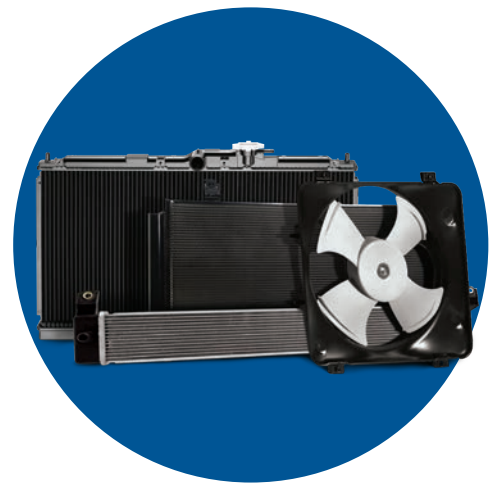


Our Key-Kool program through Keystone Automotive provides you with industry leading heating and cooling product specialists and products. We work hard to ensure you receive excellent service, fast multi-day deliveries, and high-quality *Platinum Pro* parts.

Our most popular lines and service equipment for Automotive and Light, Medium and Heavy Duty Truck applications can be found on the following pages:

- ▶ **Radiators**
- ▶ **Condensers**
- ▶ **A/C Compressors**
- ▶ **Accumulators/Receiver Driers**
- ▶ **Evaporators**
- ▶ **Hose Assemblies**
- ▶ **A/C Service Items & Equipment**
- ▶ **Oil Pans**
- ▶ **Fuel Tanks**
- ▶ **Fuel Tanks w/ Sender Assembly**
- ▶ **Fuel Tank Straps**
- ▶ **Fuel Filler Necks**
- ▶ **Sending Units**
- ▶ **Hanger Assemblies**
- ▶ **Fuel Modules**

QUALITY
ABOVE ALL THE REST



Through Keystone's Key-Kool program & Platinum Pro parts, we are committed to providing you with excellent customer service and high-quality parts with excellent reliability, fit, and performance, while offering outstanding delivery service.

**LOOK TO KEY KOOL TO TRULY BE YOUR ONE-STOP
PLATINUM PRO PARTS & SERVICE SUPPLIER**

A/C KITS



The Professional Choice
Platinum
Pro

**NOW
OFFERING**

**LIMITED
LIFETIME
WARRANTY**
ON ANY A/C KIT PURCHASED*

KIT INCLUDES

- ▶ **Compressor w/ Clutch**
- ▶ **Accumulator/Receiver Drier**
- ▶ **Expansion Valve(s)/Orifice Tube**
- ▶ **Vehicle Specific O-Ring Kit**

OUR TOP KITS

1. Kit# ACK010244

2002 - 2006 Cadillac Escalade; 2002 - 2005 Chevrolet Suburban, Avalanche; 2000 - 2008 Chevrolet Tahoe; 2000 - 2006 Chevrolet Silverado, GMC Sierra w/o rear A/C

2. Kit# ACK012495

2009-2010 Honda CR-V
(condenser replacement is highly recommended)

3. Kit# ACK012701

2008 - 2011 Ford Focus

4. Kit# ACK012136

2006 - 2009 Honda Civic Sedan

5. Kit# ACK12664

2008 - 2013 Nissan Rogue

6. Kit# ACK010317

1999-2006 Ford F-Series Super Duty Pickup;
2002 - 2005 Ford Excursion

7. Kit# ACK010009

1996 - 2002 Chevrolet/GMC C/K Series Pick-up

8. Kit# ACK012001

2002 - 2006 Honda CR-V

9. Kit# ACK010359

2000 - 2002 Chevrolet Tahoe, Yukon, Suburban, Avalanche, Cadillac Escalade; 1999-2002 Chevrolet Silverado, Sierra

10. Kit# ACK010958

2002 - 2005 Jeep Liberty

Above part numbers are for general reference only, call your local Keystone representative for exact application specifications

*See inside back cover for warranty details and requirements.

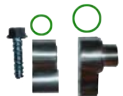

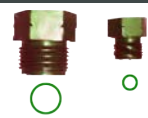
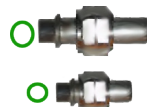
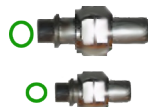
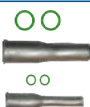
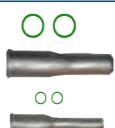



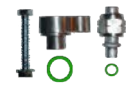



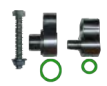





A/C REFRIGERANT

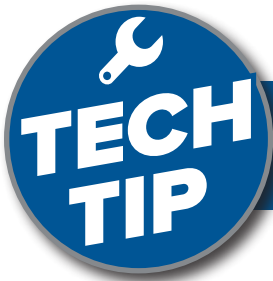
CALL FOR BEST PRICE!



Made in North America

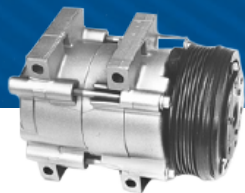
REAR AIR CONDITIONING SYSTEM CAP-OFF KITS

 <p>Part# ATAATM2005 2000-2009 New Body Style Suburbans and Tahoes</p>	 <p>Part# ATAATM9095 1990-1995 Suburbans and Tahoes</p>	 <p>Part# ATAATM9699 1996-1999 Old Body Style Suburbans and Tahoes</p>	 <p>Part# ATAATMCH0408 2004-2008 Chrysler Mini Vans</p>	 <p>Part# ATAATMCH9803 1998-2003 Chrysler Mini Vans</p>
 <p>Part# ATAATMCHDUR 2000-2007 Durango w/Springlock Fittings in Passenger Wheel Well</p>	 <p>Part# ATAATMFD9398 1993-1998 Ford, Lincoln, Mercury Mini Vans w/Springlock Fittings Under Passenger Floorboard to Rear Unit</p>	 <p>Part# ATAATMGUMP 2005-2009 Chevrolet Uplander</p>	 <p>Part# ATAATMFD9908 1999-2008 Ford, Lincoln, Mercury Mini Vans w/Block Fittings Under Passenger Floorboard to Rear Unit</p>	 <p>Part# ATAATMFDX0208 2002-2006 Ford, Mercury Explorer, Mountaineer</p>
 <p>Part# ATAATMGMM2003 2000-2003 Chevrolet Mini Vans w/Block Fitting Accumulator</p>	 <p>Part# ATAATMGMTBE 2002 - Current Chevrolet Trailblazer/Envoy</p>	 <p>Part# ATAATMFDExc 1998-2005 Ford/Lincoln Expedition, Excursion, Navigator</p>	 <p>Part# ATAATMGMP9699 1996-1999 Chevrolet Full Size Vans <i>Note: Will not fit Savana Van</i></p>	 <p>Part# ATAATMGMCs1 Chevrolet and GMC Full Size Savana and Express Vans w/Block Fittings to Rear Unit</p>
 <p>Part# ATAATMFsFD Ford E-Series Van w/ #6 & #12 springlock fittings above drivers side wheel well</p>	 <p>Part# ATAATMGMP9700 1997-2000 GM Minivans Venture, Silhouette O-ring style only</p>	 <p>Part# ATAATMTY04 2004-2014 Toyota Sienna</p>	 <p>Part# ATAATMTY98 1998-2004 Toyota Sienna w/peanut style block fittings to rear unit</p>	 <p>Part# ATAATMCH1215 2012 - 2015 Dodge Caravan</p>



A/C block-off kits are specially designed to disable the rear a/c on the vehicle and leave the front air conditioning completely functional. These kits are easy to install and offers your customer an alternative to an expensive a/c repair bill, while still giving them the comfort of front air conditioning.

COMPRESSORS



FORD



CHRYSLER



GENERAL MOTORS



IMPORTS

The Professional Choice
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NO CORE CHARGE!

TOP MOVERS

1. ACP012225 - TRSE09

2007-2011 Honda CR-V;
07-12 Acura RDX

2. ACP010583 - 10S20F

2002-2014 Cadillac Escalade, Chevrolet Avalanche;
09-12 Chevrolet Colorado;
00-14 Suburban, Tahoe, Van Express;
02-14 Chevrolet/GMC Silverado/Sierra

3. ACP010669 - TRSE07

2006 - 2011 Honda Civic

4. ACP010004 - HS110R

2002-2006 Honda CR-V7

5. ACP010623 - 10S20C

2003-2006 Acura MDX, 04-08 TL;
03-07 Honda Accord,
05-07 Pilot, Odyssey, 06-08 Ridgeline

6. ACP010075 - FS10

2001-2007 Ford Taurus, Mercury Sable

7. ACP012186 - HS18

2007-2008 Dodge Nitro;
2006-2008 Jeep Liberty

8. ACP010054 - H6

1996-2003 Chevrolet Truck & SUV

9. ACP010025 - FS10

1997-2006 Ford F-Series Pickup;
02-05 Ford Excursion

10. ACP010584 - Sanden #3450 & #3452

2004-2007 Buick Rainier;
2002-2009 Chevrolet/GMC Trailblazer/Envoy;
2003-2004 Isuzu Ascender;
2002-2004 Oldsmobile Bravada;
2005 -2009 Saab 9-7

DRIERS/ACCUMULATORS & HOSE ASSEMBLIES

The Professional Choice
Platinum
Pro



- ▶ Full Line Coverage
- ▶ Domestic & Import
- ▶ Perfect Fit

REFRIGERANT A/C HOSE

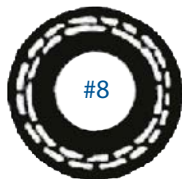
HOSE IDENTIFICATION

▶ 50 Foot Rolls

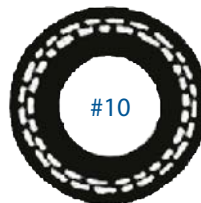
HOSES BELOW SHOWN ACTUAL SIZE



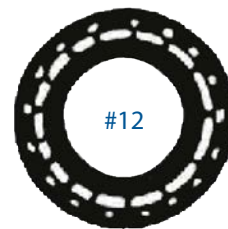
Part# HOS010018
5/16" I.D. 3/4" O.D.



Part# HOS010019
13/32" I.D. 15/16" O.D.



Part# HOS010290
1/2" I.D. 1-1/16" O.D.



Part# HOS010291
5/8" I.D. 1-3/16" O.D.



Part# FJC2840

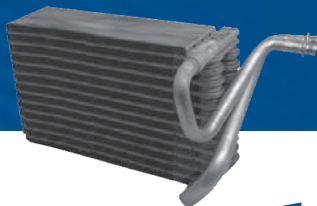
Cuts Refrigerant and other
Rubber Hose up to 1 1/2" O.D.

CALL FOR CATALOGS!

EVAPORATORS



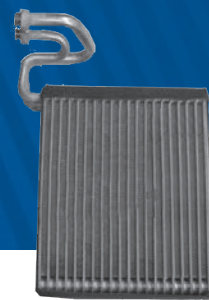
FORD



CHRYSLER



GENERAL MOTORS



IMPORTS

The Professional Choice
Platinum
Pro

- ▶ Perfect Fit & Design
- ▶ Full Coverage

SAVE TIME, MAKE MORE MONEY
REPLACE EVAPORATOR & HEATER CORE TOGETHER!

Evaporator Insulation Tape
Part# FJC2862



- Insulates & Seal Parts
- Protect Parts from Heat
- Sticks to Metal or Rubber
- 30ft. Roll

Evaporator Odor Control
Part# FJC5909

- Instantly eliminates odors caused by fungus and bacteria in the evaporator or ductwork.



Evaporator Foam Cleaner
Part# FJC5914

- Cleans outside surface of evaporator.
- Foaming, cleaning action designed to fill evaporator case to ensure complete surface cleaning.



CONDENSER & EVAPORATOR THREAD CHASERS

- ▶ Repairs Damaged Threads on Condensers, Accumulators, Evaporators and Hose Assemblies

- ▶ Coverage for Domestic and Import Vehicles.
- ▶ Case Included
- ▶ Saves Time and Money

SAE THREAD CHASERS

Part# FJC2754



Size Included:

- 5/8" - 18
- 3/4" - 16
- 7/8" - 14
- 1" - 14
- 1 1/16" - 14

METRIC THREAD CHASERS

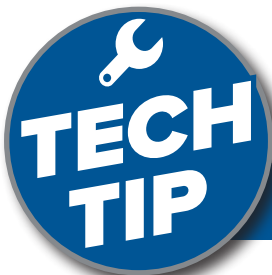
Part# FJC2754



Size Included:

- M14 x 1.5
- M16 x 1.5
- M18 x 1.5
- M20 x 1.5
- M22 x 1.5
- M24 x 1.5
- M27 x 2.0
- M28 x 1.5

CALL FOR CATALOGS!



Replace Cabin Air Filter/Evaporator/Heater Core At The Same Time!

R-1234yf Tools & Supplies

In the wake of increased global environmental regulations, R-1234yf has been introduced to exceed both United States EPA and European F-Gas phase-out guidelines for high global warming potential (GWP) refrigerants. R-1234yf has become the industry standard refrigerant to replace R-134a globally. With an environmentally sustainable GWP of less than one, R-1234yf is the optimal solution for the future.



P/N: FJC6930

Two Stage R-1234yf/R-134a 5cfm Vacuum Pump

- ▶ Spark proof series manufactured with spark free components
- ▶ Large oil level sight glass with max/min level indicator
- ▶ Cooling fins to keep temperature cooler during extended operation
- ▶ High volume fan provides cool air to motor and pump
- ▶ Supplied with 2 ports: 1/2" ACME for use with R-134a and 1/2" ACME LH thread for use with R-1234yf systems
- ▶ Thermally protected motor with on/off rocker switch
- ▶ Easily accessible oil drain valve
- ▶ Due to the spark proof construction, it is safe to use as a replacement pump for recovery machines

R-1234yf / R-134a Dual Aluminum Gauge Set



P/N: FJC6855

- ▶ Includes 72" Hoses
- ▶ Includes R-1234yf & R-134a couplers
- ▶ See Page 21 for Details

R-1234yf 72" Charging Hoses

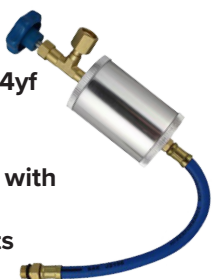


R-1234yf 72" Charging Hose

Color	Part Number
Red	FJC6876
Yellow	FJC6877
Blue	FJC6878

R-1234yf A/C Oil Injector P/N: FJC2739

Use injector to add 2 oz. of R1234yf oil to a R1234yf air conditioning system while under pressure or during service. Designed for use with R1234yf manifold gauge set. See Page for Manifold Gauge Sets



R-1234yf Fluorescent Leak Detection Dyes



R1234yf Fluorescent Leak Detection Dye

Size	No. of Applications	Part No.
0.25 oz.	1	FJC6814
8 oz.	4	FJC6810

R-1234yf

Tools & Supplies



P/N: FJC6801
R-1234yf High Side Manual Coupler w/ M12 Female Hose Fitting Connector.



P/N: FJC6827
R-1234yf Coupler to R-134a Hose Adapter.



P/N: FJC6802
R-1234yf Low Side Manual Coupler w/ M12 Female Hose Fitting Connector.



P/N: FJC6828
F#1: 1/4" SAE male X 1/2" ACME female LH thread.
F#2: 1/2" ACME male x 1/2" ACME LH thread.
Connects R-12 & R-134a yellow manifold supply hose to R-1234yf refrigerant tank.



P/N: FJC6826
R-1234yf Coupler to 1/4" Hose Adapter.



P/N: FJC6829
1/4" SAE female X 1/2" ACME male LH thread.
Connects R-1234yf yellow hose to R-1234a vacuum pump



FJC6802

FJC6801



FJC6826



FJC6821



FJC6822



FJC6827

Conversion Kit

P/N: FJC6820

R-134a/R-12 Manifold Gauge Conversion Kit to R-1234yf with Manual Couplers.



R-1234yf Refrigerant Oil

R-1234yf Refrig. Oil	
Size	W/O Dye Part#
8oz	FJC2458
32oz	FJC2459



R-1234yf Freon

R1234yf Freon	
Size	Part No.
8oz	CHMR1234YFCAN
10lb.	CHMR1234YFKEG

A/C SERVICE PRODUCTS

REFRIGERANT OIL



PAG 46		
	W/O Dye Part#	W/Dye Part#
8oz	FJC2484	FJC2493
32oz	FJC2485	FJC2494
128oz	FJC2486	FJC2501



PAG 100		
	W/O Dye Part#	W/Dye Part#
8oz	FJC2487	FJC2495
32oz	FJC2488	FJC2496
128oz	FJC2489	FJC2502



PAG 150		
	W/O Dye Part#	W/Dye Part#
8oz	FJC2490	FJC2498
32oz	FJC2491	FJC2499
128oz	FJC2492	FJC2503



Universal		
	W/O Dye Part#	W/Dye Part#
8oz	FJC2468	FJC2479
32oz	FJC2472	FJC2480
128oz	FJC2475	FJC2481



Ester		
	W/O Dye Part#	W/Dye Part#
8oz	FJC2408	FJC2443
32oz	FJC2432	FJC2445
128oz	FJC2439	FJC2447



R1234yf		
	W/O Dye Part#	
8oz	FJC2458	
32oz	FJC2459	



Hybrid		
	W/O Dye Part#	
8oz	FJC2450	



Mineral		
	W/O Dye Part#	
32oz	FJC2205	

VACUUM PUMP OIL



Vacuum Pump Oil		
8oz	FJC2202	
32oz	FJC2200	

A/C FLUSH



A/C Flush Solvent		
32oz	FJC2032	
128oz	FJC2128	



Extreme Clean A/C Flush Solvent		
32oz	FJC2400	
128oz	FJC2401	



Kwik Klean A/C Flush Solvent		
32oz	FJC2405	
128oz	FJC2406	

CALL FOR CATALOGS!

A/C SERVICE PRODUCTS

OE PAG OIL VISCOSITY CHART PAG OIL VISCOSITY FOR OE R134a A/C SYSTEMS

VEHICLE MFG.	COMPRESSOR MANUFACTURER	COMPRESSOR TYPE	PAG OIL PART#	OE PART#	VISCOSITY
Acura	Nippondenso	10PA, 10P	FJC2484	Acura #38899-PR7-A01 ND-8	46
Audi	Diesel Kiki	DCW	FJC2484	Audi# G-052-200-A2 ND-8	46
Audi	Nippondenso	10P	FJC2484	Audi #G-052-200-A2 ND-8	46
Audi	Zexel	DCW	FJC2484	Audi #G-052-300-A2 ZXL-100	46
BMW	Bosch/Behr	Wing46	FJC2484	BMW #82-111-468-042	46
BMW	Bosch/Behr	Axial	FJC2490		150
BMW	Nippondenso	10PA, 10P	FJC2484	BMW #82-111-468-042 ND-8	46
BMW	Seiko Seiki	SS	FJC2484	SX10	46
Chrysler	Nippondenso	10PA, 10P, 6P	FJC 2484	Chrysler # 82300102 ND-8	46
Chrysler	Sanden (Piston Type)	SBD709, SD709, SD71115	FJC2487	Chrysler #82300349 SP-20	100
Chrysler	Sanden (Scroll Type)	TRS-105, TRS-090	FJC2484	Chrysler #4886129AA	46
Chrysler	Mitsubishi	FX-105V, FX-105VS, FXA80, FX8	FJC2484	Chrysler #82300592 SP-56	46
Ford	Nippondenso	10P/10PA	FJC2484	ND-8	46
Ford	Sanden	SD	FJC2487	SP-20	100
Ford	Panasonic	Rotary	FJC2484	YN12/12A	46
Ford	Ford	FS10/FX15	FJC2484	F2AZ-19577-ACISCO MTA# YN-12B	46
GM	Delphi/Harrison	A6, DA6, HR6, R4, LTR4,V5, V7, HTC6	FJC2490	GM #12345923, Delco 15-118	150
GM	Delphi/Harrison	R4	FJC2490	GM# 12345923 DELCO 15-119	150
GM	Nippondenso	10PA	FJC2484	ND-8	46
GM	Sanden	SD7	FJC2487	SP-20	100
GM	Sanden	SD5	FJC2487	SP-21	100
GEO	Sanden	10PO	FJC2484	ND-8	46
Honda	Diesel Kiki	DKV	FJC2484	ZXL-100PG	46
Honda	Hadsys	TC	FJC2484		46
Honda	Kiehen	HS	FJC2487		100
Honda	Matsushita	NL	FJC2484		46
Honda	Nippondenso	10P	FJC2484	ND-8	46
Honda	Nippondenso	HADSYS 7 CYL.	FJC2484	ND-8	46
Honda	Sanden	SD	FJC2487	SP-20	100
Honda	Sanden (Scroll Type)	TR	FJC2484	Honda #38897P13A01AH (SP-10)	46
Hyundai	Ford	FS10, FX15	FJC2484		46
Hyundai	Halla	FX15, HS10	FJC2484	FD46S6	46
Hyundai	Nippondenso	10PA, 10P	FJC2484	ND-8	46
Hyundai	Sanden	SD709	FJC2487		100
Infiniti	Calsonic	V5, V6	FJC2484	Type S	46
Infiniti	Zexel		FJC2490	Type R	150
Infiniti	Diesel Kiki	DKS	FJC2484	ZXL-100PG	46
Isuzu	Zexel		FJC2484	ZXL100	46
Isuzu	GM	V5	FJC2484		46
Isuzu	Diesel Kiki/Zexel	KC50	FJC2484	XL200	46
Isuzu	Diesel Kiki/Zexel	Rotary	FJC2484	XL100	46
Jaguar	Sanden	SD7H	FJC2487	SP-20	100
Lamborghini	Sanden	SD7	FJC2487	SP-20	100
Land Rover	Sanden	TRS	FJC2484	SP-10	46
Land Rover	Sanden	SD7	FJC2487	SP-20	100
Lexus	Nippondenso	10PA, 10P	FJC2484	Lexus #08885-09107 ND-8	46
Lotus	Sanden	SD	FJC2484	SP-20	46
Mazda	Matsushita	NL, SA	FJC2484		46
Mazda	Sanden	SD508, SD510, SD709	FJC2487	SP-20	100
Mazda	Nippondenso	10PA	FJC2484	ND-8	46
Mazda	Nippondenso	TV	FJC2487		100
Mazda	Ford	FS10, FX15	FJC2484	YN12/12A	46

A/C SERVICE PRODUCTS

OE PAG OIL VISCOSITY CHART PAG OIL VISCOSITY FOR OE R134a A/C SYSTEMS

VEHICLE MFG.	COMPRESSOR MANUFACTURER	COMPRESSOR TYPE	PAG OIL PART#	OE PART#	VISCOSITY
Mercedes Benz	GM	A6, R4	FJC2490	delco# 15-118	150
Mercedes Benz	GM	A6, R4	FJC2490	Delco #15-118	150
Mercedes Benz	Nippondenso	10PA, 10P	FJC2484	MB #001-989-0803 ND-8	46
Mercedes Benz	Nippondenso	6CA	FJC2484	MB #001-989-0803 ND-8	100
Mercedes Benz	York	206,209,210	FJC2487	MB# 001-989-0803	100
Mitsubishi	Nippondenso	10PA	FJC2484	ND-8	46
Mitsubishi	Mitsubishi	FX/MS	FJC2484	ND-9	46
Nissan	ATSUGI	NVR140S	FJC2487	Nissan #KLH00-PAGR1 Type R	100
Nissan	Calsonic	Rotary	FJC2484	Nissan #KLH00-PAGS1 Type S	46
Nissan	Ford	FS10	FJC2484	Nissan #KLH00-PAGQF Type F	46
Nissan	Hitachi	MJS170	FJC2484	Nissan #KLH00-PAGS1 Type S	46
Nissan	Zexel (Vane Rotary)	DKV-14C	FJC2487	Nissan #KLH00-PAGR1 Type R	100
Nissan	Zexel (Swash Plate)	DKS-16H	FJC2484	Nissan #KLH00-PAGS1 Type S	46
Porsche	Nippondenso	10P, 6E, 6P	FJC2484	Porsche #PNA573001 (ND-8)	46
Puegot	Sanden	SD7	FJC2487	SP-20	100
Saab	Sanden		FJC2487	Saab #4074787 (SP-20)	100
Saturn	Diesel Kiki Zexel	DKV	FJC2490	ZXL200	150
Saturn	Diesel Kiki Zexel	DCV	FJC2490	ZXL201	150
Subaru	Calsonic	V5	FJC2490	Delco 15-100	150
Subaru	Zexel	92 MODEL YEAR	FJC2484	Subaru #73019AA110 ZXL-100PG	46
Subaru	Zexel	93 MODEL YEAR	FJC2487	Subaru #K0010FS100 ZXL-200PG	46
Subaru	Calsonic	CR	FJC2484	Delco 15-118	46
Subaru	Diesel Kiki	15CH	FJC2484	ZXL-100PG	46
Toyota	Nippondenso	10PA, 10P	FJC2484	ND-8	46
Toyota	Nippondenso	TV	FJC2487	ND-9	100
Toyota	Nippondenso	SC08	FJC2484	ND-8	46
Volvo	Diesel Kiki	DKS-13	FJC2484	Volvo #1161425 ZXL-100PG	46
Volvo	Sanden	SD510	FJC2487	SP-20	100
Volvo	Sanden	SD7	FJC2487	SP-20	100
Volvo	Seiko Seiki	SS	FJC2484	S10X	46
VW	Sanden	SD508, SD510, SD709	FJC2487	VW #G-052-154-A2 SP-20	100
VW	Sanden	SD7V	FJC2487	SP-10	46

The intention of this chart is to be used as a quick reference for PAG Oil usage specifications only. Verify with the vehicle manufacturer for exact lubricant viscosity and oil capacities. This information generally can be found in the engine compartment or a tag on the compressor.



Optimax Jr™/EZ-Shot™ A/C Kit



Kit Contains:

- **TRLTP8640CS** Optimax Jr™ cordless, high intensity LED leak detection flashlight
- **TRLTP9790** EZ-Shot A/C dye injection kit with **TRLTP97700108**, 8oz. universal A/C dye cartridge
- **TRLTP90000008** 8oz. dye cleaner, fluorescence-enhancing glasses & carrying case.

Part #
TRLTP8646

EZ-Shot™ Universal A/C Dye Injection Kit



Part #
TRLTP9790

► Has been certified for use with R1234yf Freon

- EZ-Shot quickly introduces dye into a vehicle's A/C system
- BigEZ cartridges are prefilled with co-solvent free A/C dye, certified to meet SAEJ2297 and calibrated for exact dosing
- 3 AA batteries and fluorescence-enhancing glasses included

Kit Contains:

- EZ-Shot dye injection gun with R134a hose/coupler and R12 adapter/purge fitting
- BigEZ 8oz. universal dye cartridge services up to 64 vehicles

Optimax Jr™ Cordless, Ultra-Compact Blue Light LED Leak Detection Portable Flashlight



- High-intensity LED bulb with 100,000-hour service life
- Power comparable to high intensity 75-watt lamps
- 3 AA batteries and fluorescence-enhancing glasses included

Part # **TRLTP8640CS**

Optimax™ 3000 Cordless Blue Light LED Leak Detection Portable and Rechargeable Flashlight



- Power comparable to super-high intensity 150-watt lamps
- Compatible with all leak detection dyes
- Fluorescence-enhancing glasses & A/C charger

Part # **TRLTP8690**

BigEZ™ 8oz. Universal A/C Dye Cartridge



► Has been certified for use with R1234yf Freon

- Services up to 64 vehicles
- BigEZ cartridges are prefilled with co-solvent free A/C Dye, certified to meet SAE J2297
- Fits all caulking gun type injectors

Part # **TRLTP97700108**

PRO-Alert™ Electronic Refrigerant Leak Detector



► Has been certified for use with R1234yf Freon

- Detects leaks down to 0.25 oz/ year, sensor life up to 200 hours
- Sensitive to **R12**, **R134a**, **R1234yf** and all other HFC refrigerants
- Variable-intensity audible alarm plus flashing LED helps pinpoint leaks fast
- Includes sensor, replacement filters, 2 D-cell batteries and storage case

Part #
TRLTP9360

Dye-Lite® All-In-One™ Standard Dye Oil, Fuel, ATF, PS & Hydraulics



- 1 - 1oz. bottles, must order in multiples of six bottles
- Each bottle services 1 vehicle
- Works with any leak detection lamp

Part # **TRLTP3405**

Dye-Lite® Coolant/Auto Body Dye



- Case of 6 - 1oz. bottles
- Services either 1 vehicle's radiator coolant system or 60 gallons of water per 1 oz. bottle
- Finds leaks in radiators, hoses, water pumps & fittings

Part # **TRLTP39000601**

OIL CAPACITY CHART

Compressor Type	PAG	w/o Rear AC (oz.)	w/ Rear AC (oz.)
6C17	46	9oz	12oz
A590	46	9oz - 10oz	12oz - 13oz
A6	150	10oz - 11oz	13oz - 14oz
Behr Bosch Oscillating Type	46	12oz	15oz
Behr Bosch Rotary Type	100	6oz	9oz
C171	46	9oz - 10oz	12oz - 13oz
Calsonic	46	8oz	11oz
DA6/ HR6/ HRH6HE (OE)	150	8oz	11oz
DA6/ HR6/ HR6HE (Aftermarket)	46	8oz	11oz
FS10/ FS15	46	8oz	11oz
FS6	46	10oz - 11oz	13oz
Hitachi Axial Type	46	9.4oz	12.4oz
Hitachi Rotary Vane	100	4.5oz	7.5oz
Keihin	46	4.5oz - 5.5oz	7.5oz - 8.5oz
Mini York	46	8oz	11oz
Mitsubishi/ Panasonic	100	4oz - 4.5oz	7oz - 7.5oz
Mitsubishi FX105	46	9oz	12oz
Mitsubishi FX80	100	6.5oz	9.5oz
MSC105	100	9oz	12oz
MSC90	100	6.5oz	9.5oz
Nihon	100	6.8oz	9.8oz
Nippondenso 10P/ 10PA	46	5.5oz - 7.5oz	8.5oz - 9.5oz
Nippondenso 6E	46	13oz	16oz
Nippondenso 6P	46	8oz	11oz
Nippondenso 6P148A	46	8oz - 10oz	11oz - 13oz
R4 (OE)	150	5.5oz - 6.5oz	8.5oz - 9.5oz
R4 (Aftermarket)	46	5.5oz - 6.5oz	8.5oz - 9.5oz
RV2	46	11oz	14oz
Sanden 505	100	3.5oz	6.5oz
Sanden 507	100	5oz - 6oz	8oz - 9oz
Sanden 508	100	5.5oz - 6oz	8.5oz - 9oz
Sanden 541	100	6oz	9oz
Sanden 708/ 709	100	4.6oz	7.6oz
Sanden TR70/ TR90	100	4oz	7oz
Seiko Seiki 110	100	6.1oz	9.1oz
Seiko Seiki 110PVS/ 140PVS/ 170PVS	100	7.4oz	10.4oz
Seiko Seiki 140P/ 170P	100	6.8oz	9.8oz
Seiko Seiki 805T/ 806T	100	5.1oz	8.1oz
Seltec	46	4.5oz - 5oz	7.5oz - 8oz
Tecumseh	46	10oz	13oz
V5/V7 (OE)	150	8oz	11oz
V5/V7 (Aftermarket)	46	8oz	11oz
York (can use Esters)	46	10oz	13oz
Zexel/ Diesel Kiki DK4C	100	6.8oz	9.8oz
Zexel/ Diesel Kiki DKS17/ 15CH/ 1435	46	6oz	9oz
Zexel/ Diesel Kiki DKV14B/ 16H	46	8oz - 8.5oz	11oz - 11.5oz

Manufacturer's names and numbers are used for reference purpose only. Always consult manufacturer's specifications for vehicle specs and oil capacity.

LEAK DETECTION DYE

Universal A/C Fluorescent Leak Detection Dye for R12 & R134a Systems



Part#	Size	Std. Pack
FJC4910	1 oz	6
FJC4914	1/4 oz	12
FJC4916	4 oz	4
FJC4917	8 oz	4
FJC4918	16 oz	1

Recommended Usage: 1/4 oz per 12 oz oil

Part#	Size	Std. Pack
FJC4921	4 oz	12

Recommended Usage: 1 can per automotive system

FLUORESCENT DYE CLEANER



- Removes fluorescent leak detection dye from areas where leaks are found and repaired.
- Helps prevent false leaks found in the future which were caused by past leaks
- Spray on and wipe off.

Part # FJC4946 - 32oz

O-RINGS

O-Rings shown are actual size



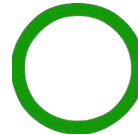
Part# FJC4006

#6 Hose Fitting
Ford Expansion Valve Seal
Ford #6 Springlock O-Ring
Nissan #10 Hose Fitting/Drier
VIR Pickup tube/Condenser Line



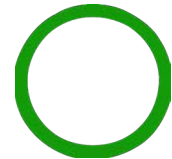
Part# FJC4008

#8 Hose Fitting
GM V5 Control Valve (Inside Center)
Ford #8 Springlock Fitting
Nissan #12 Hose Fitting and
Condenser Discharge Line
Toyota Discharge Line



Part# FJC4010

#10 Hose Fitting
Ford #10 Springlock O-Ring
Nissan Evaporator Suction Line
Sanden TR70 Suction Port
Toyota Suction Line



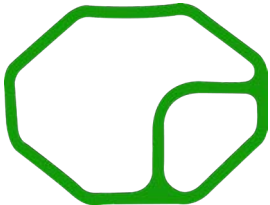
Part# FJC4012

#12 Hose Fitting
Ford #12 Springlock O-Ring
GM V5 Control Valve
(Outside Center)
VIR Expansion Valve (lower)
VIR Expansion Valve Outlet
VIR Compressor Suction
Line Connection

► All O-Rings are High Temperature **Green HNBR** ► Over 100 to Choose From!

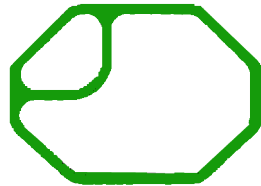
NIPPONDENSO GASKETS

Gaskets shown are **not** actual size



Part# FJC4254

Gasket-Nippondenso 10PA17



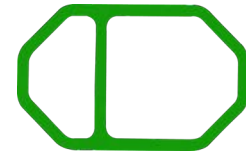
Part# FJC4250

Toyota 10P15C, Nippondenso
10PA17, 10PA20, Suction/Discharge
Manifold Gasket



Part# FJC4252

Nippondenso 10P13C/10P15C
Manifold Gasket



Part# FJC4254

Gasket-Nippondenso 10PA15,
Mercedes

GM SEALING WASHERS

Sealing Washers & Inserts shown are **not** actual size



FJC4060

Color Black
Thickness 3.0 mm
O.D. 27.9 mm
I.D. 15.5 mm



FJC4061

Color Silver
Thickness 1.3 mm
O.D. 31.5 mm
I.D. 17.5 mm



FJC4062

Color Silver
Thickness 1.2 mm
O.D. 27.9 mm
I.D. 15.5 mm



FJC4063

Color Green
Thickness 5.5 mm
O.D. 29.9 mm
I.D. 15.5 mm



FJC4064

Color Red
Thickness 3.8 mm
O.D. 29.9 mm
I.D. 15.5 mm



FJC4065

Color Yellow
Thickness 3.0 mm
O.D. 33.2 mm
I.D. 15.5 mm



FJC4066

Color Silver
Thickness 1.2 mm
O.D. 23.6 mm
I.D. 15.5 mm



FJC4070

GM Sealing Washer Insert
GM Long Manifold
Pilot Washer Insert



FJC4071

Sealing Washer Insert
GM V5 Short
Manifold Pilot Washer Insert

**DIRECT REPLACEMENT FOR
CHRYSLER, FORD, GM, IMPORTS, & HEAVY DUTY APPLICATIONS!**

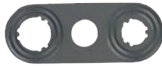
CHRYSLER METAL GASKETS

Metal Gaskets shown are not actual size



FJC4130

Metal Gasket
Chrysler RV2
Suction Port



FJC4151

Metal Gasket
Chrysler
Condenser Manifold



FJC4131

Metal Gasket
Chrysler RV2
Discharge Port



FJC4154

Metal Gasket
Chrysler TXV
to Evaporator
(gold valve)



FJC4140

Metal Gasket
Chrysler A590/C171
Suction/Discharge Port



FJC4158

Metal Gasket
Chrysler Receiver Drier
(.437" - 11.1 mm Pilot Bolt Hole)



FJC4142

Metal Gasket
Chrysler 6C17
Discharge Port



FJC4160

Metal Gasket
Chrysler
Suction Line
Flange



FJC4143

Metal Gasket
Chrysler 6C17
Suction Port



FJC4162

Metal Gasket
Chrysler Bottle Block
(.377" - 9.6 mm Pilot Bolt Hole)



FJC4144

Metal Gasket
Chrysler
Suction Line



FJC4166

Metal Gasket
Chrysler TXV
to Evaporator
(gold to black valve)



FJC4150

Metal Gasket
Chrysler Manifold
to Expansion Valve

DELUXE SERVICE ITEM ASSORTMENT KIT

Part # FJC4415



Provides a convenient and easy way to service the most popular vehicles in operation today.

- For 1995-2008 vehicle applications
- Basic, simple and organized storage system speeds up A/C repairs
- Portable systems boxes provide more flexibility
- Kit Contains: O-Rings, Gaskets, Sealing Washers, Caps and other service items
- 612 Pieces
- 120 Part Numbers

PRO-SERIES MASTER SERVICE KIT





















Part # FJC4400



Kit contains: O-Rings, Gaskets, Sealing Washers, Keyways, Shims, Fittings, Caps & Orifice Tubes

- Sturdy Case
- 1006 Pieces
- 208 Part Numbers
- 12 Compartments for Easy Storage

CALL FOR CATALOGS!

 <p>#FJC3004 (5 Pack) #FJC3104 (Single Pack)</p> <p>Color : Grey Porous Make: GM Diameter: 0.062</p>	 <p>#FJC3005 (5 Pack) #FJC3105 (Single Pack)</p> <p>Color : Black Porous Make: GM Diameter: 0.057</p>	 <p>#FJC3006 (5 Pack) #FJC3106 (Single Pack)</p> <p>Color : Blue Make: GM Diameter: 0.067</p>	 <p>#FJC3008 (5 Pack) #FJC3108 (Single Pack)</p> <p>Color : Orange T-top Make: GM Diameter: 0.057</p>
 <p>#FJC3011 (5 Pack) #FJC3111 (Single Pack)</p> <p>Color : White Make: GM Diameter: 0.072</p>	 <p>#FJC3012 (5 Pack) #FJC3112 (Single Pack)</p> <p>Color : Black T-top Make: GM Diameter: 0.072</p>	 <p>#FJC3013 (5 Pack) #FJC3113 (Single Pack)</p> <p>Color : Yellow T-top Make: GM Diameter: 0.062</p>	 <p>#FJC3014 (5 Pack) #FJC3114 (Single Pack)</p> <p>Color : Yellow Make: Volvo Diameter: 0.062</p>
 <p>#FJC3016 (5 Pack) #FJC3116 (Single Pack)</p> <p>Color : Blue Make: Ford Diameter: 0.067</p>	 <p>#FJC3017 (5 Pack) #FJC3117 (Single Pack)</p> <p>Color : Red Make: Ford Diameter: 0.062</p>	 <p>#FJC3018 (5 Pack) #FJC3118 (Single Pack)</p> <p>Color : Green Make: Ford Diameter: 0.052</p>	 <p>#FJC3019 (5 Pack) #FJC3119 (Single Pack)</p> <p>Color : Orange Make: Ford Diameter: 0.059</p>
 <p>#FJC3020 (5 Pack) #FJC3120 (Single Pack)</p> <p>Color : Brown Make: Ford Diameter: 0.047</p>	 <p>#FJC3021 (5 Pack) #FJC3121 (Single Pack)</p> <p>Color : Black Make: Ford Diameter: 0.072</p>	 <p>#FJC3024 (5 Pack) #FJC3124 (Single Pack)</p> <p>Color : Purple T-top Make: Chrysler Diameter: 0.062</p>	 <p>#FJC3026 (5 Pack) #FJC3126 (Single Pack)</p> <p>Color : Orange T-top Make: Chrysler Diameter: 0.057</p>
 <p>#FJC3036 (5 Pack) #FJC3136 (Single Pack)</p> <p>Color : Grey Make: Toyota Diameter: 0.072</p>	 <p>#FJC3038 (5 Pack) #FJC3138 (Single Pack)</p> <p>Color : Orange Make: Audi Diameter: 0.057</p>	 <p>#FJC3131 Variable Orifice Tube</p> <p>SMART VOV™</p>	 <p>#FJC3133 Variable Orifice Tube T-top</p> <p>SMART VOV™</p>

MASTER ORIFICE TUBE ASSORTMENT

- ▶ Complete Coverage of All Orifice Tubes Available
- ▶ 20 Parts Numbers
- ▶ 36 Pieces
- ▶ Includes Removal/Installer Tool

Part # FJC3000

ALSO AVAILABLE:
STANDARD ORIFICE TUBE ASSORTMENT
PART # FJC3007



EXPANSION VALVES



**ALL
MAKES & MODELS
AVAILABLE**

ORIFICE TUBE REMOVER/INSTALLER KIT



Part # FJC2830

- ▶ Easily Removes Orifice Tubes without Damage
- ▶ Storage Case Included
- ▶ For Standard and "T" Top Orifice Tubes

CALL FOR CATALOGS!



SMART SPLICE™ LINE SPLICE

5-Minute Fix: Effective, Durable Leak Repair with No Line Removal

Smart Splice™ patented line repair products offer quick and durable repair for splicing, terminating, connecting hose and metal, or adding a port to a line.



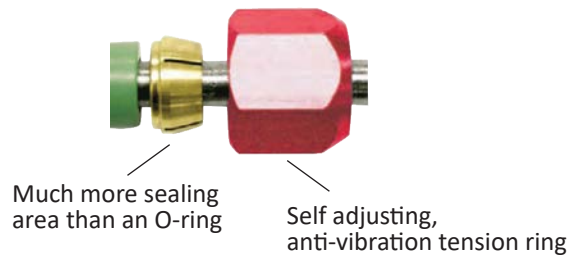
Expanded Seal Sleeve
More Sealing Area Compensates
for Out-of-Round Tubes

Anti-Vibration Tension Ring
Resists Vibration Leaks

THE FIX IS AS EASY AS



WHAT MAKES IT SMART



All Smart Splice™ line repair products are superior to traditional compression fittings thanks to our proprietary sealing technology that contributes to long service life:

- ▶ **Unique HNBR seal sleeve dramatically expands the sealing surface area.**
- ▶ **High tech anti-vibration tension ring insures repair durability in heavy vibration automotive applications.**
- ▶ **5-minute install with a wrench (no special tools, no adhesives required)**
- ▶ **Compensates for out-of-round tubing**
- ▶ **Burst Tested to 2300 PSI**

ALSO AVAILABLE IN

45° AND 90° SAE FITTINGS & ASSORTMENT PACKS, INLINE SERVICE PORTS AND MORE!

Straight



Smart Splice™ Line Splice

5-Minute Fix: Effective, Durable Leak Repair with No Line Removal

Line Splice SAE - Straight Fittings

1/2" OD Line	AIR76001
3/8" OD Line	AIR76002
5/16" OD Line	AIR76003
5/8" OD Line	AIR76011
3/4" OD Line	AIR76012
Straight Reducer - 3/8" to 5/16" OD Line	AIR76004
Straight Reducer - 1/2" to 5/16" OD Line	AIR76005
Straight Reducer - 1/2" to 3/8" OD Line	AIR76006

Line Splice Metric - Straight Fittings

8mm OD	AIR77008
10mm OD	AIR 77010
12mm OD	AIR77012
15mm OD	AIR77015
16mm OD	AIR77016
Straight Reducer - 12mm to 10mm	AIR77103

Line Splice Straight Fitting Assortment Packs

SAE 5-Pack; One each: 5/16", 3/8", 1/2", 5/8" & 3/4" Line Splice Kits	AIR76050
SAE/Metric 10-Pack; One each: 5/16", 3/8", 1/2", 5/8" & 3/4" Line Splice Kits, plus one each: 8mm, 10mm, 12mm, 15mm & 16mm Metric Line Splice Kits	AIR76051

45 Degree



Line Splice Kit - 45° Fitting

1/2" OD Line	AIR76061
3/8" OD Line	AIR76062
5/16" OD Line	AIR76063
5/8" OD Line	AIR76064
3/4" OD Line	AIR76065

45° Splice Line Kit Assortment Pack

Line Splice 45° SAE - 5 Pack; One each: 5/16", 3/8", 1/2", 5/8" & 3/4" Line Splice 45° Kits	AIR76052
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90 Degree



Line Splice Kit - 90° Fitting

1/2" OD Line	AIR76071
3/8" OD Line	AIR76072
5/16" OD Line	AIR76073
5/8" OD Line	AIR76074
3/4" OD Line	AIR76075

90° Splice Line Kit Assortment Pack

Line Splice 90° SAE - 5 Pack; One each: 5/16", 3/8", 1/2", 5/8" & 3/4" Line Splice 90° Kits	AIR76054
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T Service Port - Low Side



Low Side Inline Service Port T - Singles

1/2" OD Line	AIR76201
3/8" OD Line	AIR76202
5/8" OD Line	AIR76204
10mm OD	AIR77210
12mm OD	AIR77212
15mm OD	AIR77215
16mm OD	AIR77216

T Service Port - High Side



High Side Inline Service Port T - Singles

1/2" OD Line	AIR76212
3/8" OD Line	AIR76213
1/2" OD Line	AIR76214
8mm OD	AIR77228
10mm OD	AIR77220
12mm OD	AIR77222

Master Kits

Line Splice Straight Fittings Master Kit	AIR76058
One each: 5/16", 3/8", 1/2", 5/8" & 3/4" Line Splice Straight Kits 8mm, 10mm, 12mm, 15mm & 16mm Metric Line Splice Straight Kits 5/16", 3/8", 1/2", 5/8" & 3/4" SAE Line Terminator Kits 8mm, 10mm, 12mm, 15mm & 16mm Metric Line Terminator Kits Line Splice Inline Suction (Low) Side Service T for 5/16", 3/8", 1/2", 5/8", 10mm, 12mm, 15mm & 16mm OD metal lines Line Splice Inline Discharge (High) Side Service T for 5/16", 3/8", 1/2", 5/8", 10mm & 12mm OD metal lines	
Line Splice 45° & 90° Fittings Master Kit SAE	AIR76056
One each: 5/16", 3/8", 1/2", 5/8" & 3/4" SAE Line Splice 45° Kits 5/16", 3/8", 1/2", 5/8" & 3/4" SAE Line Splice 90° Kits	
Line Splice Straight & Angle Fittings Master Kit	AIR76059
One each: 5/16", 3/8", 1/2", 5/8" & 3/4" Line Splice Straight Kits 8mm, 10mm, 12mm, 15mm & 16mm Metric Line Splice Straight Kits 5/16", 3/8", 1/2", 5/8" & 3/4" SAE Line Terminator Kits 8mm, 10mm, 12mm, 15mm & 16mm Metric Line Terminator Kits Line Splice Inline Suction (Low) Side Service T for 5/16", 3/8", 1/2", 5/8", 10mm, 12mm, 15mm & 16mm OD metal lines Line Splice Inline Discharge (High) Side Service T for 5/16", 3/8", 1/2", 5/8", 10mm & 12mm OD metal lines 5/16", 3/8", 1/2", 5/8" & 3/4" SAE Line Splice 45° Kits 5/16", 3/8", 1/2", 5/8" & 3/4" SAE Line Splice 90° Kits	

CALL FOR CATALOGS!



SMART SPLICE™ LINE TERMINATOR

5-Minute Fix: OE-Approved Rear A/C Block-Off Kits

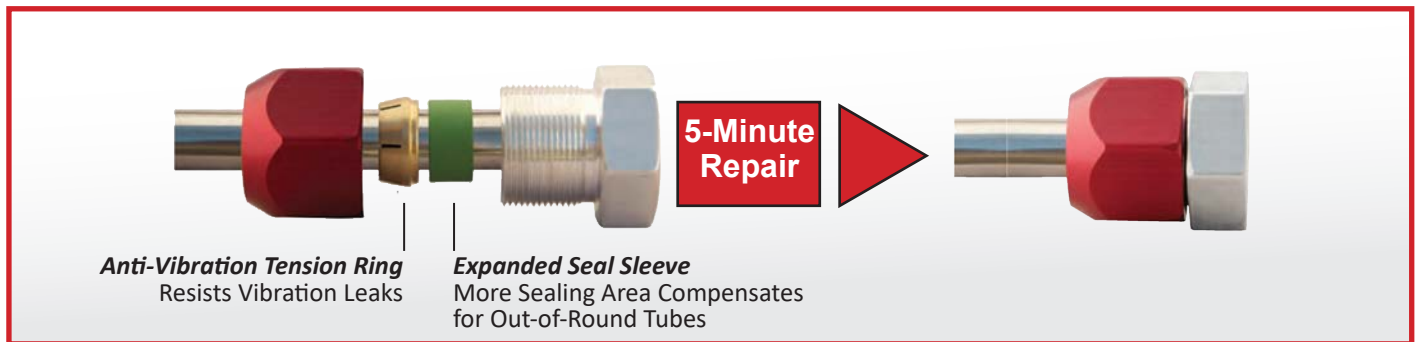
PROBLEM

Leaking rear A/C components or lines can result in high operating or repair costs. Many car owners would rather avoid that expense and operate the front A/C unit only.

SOLUTION

With AirSept's Line Terminator, you can give your customers an affordable (yet still profitable) alternative to the high cost of repair or replacement labor.

- ▶ **Quickly and effectively blocks A/C lines at the damage point or at the front system "Y".**
- ▶ **Block off leaking rear evaporators and failed system components.**
- ▶ **Help maximize front A/C performance.**
- ▶ **Eliminate refrigerant and oil pooling in rear A/C lines.**



Line Terminator - SAE Blockoff Kits	
1/2" OD Line	AIR76501
3/8" OD Line	AIR76502
5/16" OD Line	AIR76503
5/8" OD Line	AIR76504
3/4" OD Line	AIR76505

Line Terminator - Metric Blockoff Kits	
8mm OD Line	AIR77508
10mm OD Line	AIR77510
12mm OD Line	AIR77512
15mm OD Line	AIR77515
16mm OD Line	AIR77516

Line Terminator - Metric Blockoff Kits	
SAE 5-Pack; one each 5/16", 3/8", 1/2", 5/8", 3/4"	AIR76526
SAE/Metric 10-Pack; one each 5/16", 3/8", 1/2", 5/8", 3/4" SAE Kits; 8mm, 10mm, 12mm, 15mm, 16mm Metric Kits	AIR76530

MANIFOLD GAUGE SETS

R1234YF / R134a Aluminum Dual Manifold Gauge Set

Aluminum manifold with pressure gauges, high and low side service port couplers and 72" hoses packed in a protective plastic case.

Includes:

- ▶ Aluminum manifold with front easy to operate color coded handles and side hose hangers
- ▶ Manual R134a & R1234YF High side service port coupler
- ▶ Manual R134a & R1234YF Low Side service port coupler
- ▶ 72 inch Red, Yellow and Blue R134a/R1234YF hoses
- ▶ Packed in a protective plastic case



P/N: FJC6855

R1234YF Aluminum Manifold Gauge Set

Aluminum manifold with pressure gauges, high and low side service port couplers and 72" hoses packed in a protective plastic case.

Includes:

- ▶ Aluminum manifold with front easy to operate color coded handles and side hose hangers
- ▶ Manual R1234YF High side service port coupler
- ▶ Manual R1234YF Low Side service port coupler
- ▶ Anti-flutter high and low side gauges with re-calibration adjustment
- ▶ 72 inch Red, Yellow and Blue R1234YF hoses
- ▶ Packed in a protective plastic case



P/N: FJC6850

R134A

**FULLY AUTOMATIC
UNMATCHED
98.5% RECOVERY**

ROBINAIR A/C COMPARISON

Combining Simple Operation with Superior Accuracy. These machines will test, recover and recharge R-134a automotive AC system quickly and accurately.

**ROBINAIR A/C SERVICE TOOLS
AND EQUIPMENT ARE SOLD THROUGH**



**Keystone
Automotive**

Bosch takes pride in Best-In-Class Field Support and they have representation in all of the key markets we service.

INDUSTRY LEADING EFFICIENCY & MORE ACCURATE SERVICE!



Features	34288NI	34788NI	34788NI-H	34988NI
Fully-Automatic Function: Program to recover, vacuum, leak test and charge without operating panel valves.		X	X	X
Automatic Dye Inject: Gives the user the ability to use the machine to inject UC dye into a vehicle's A/C system.				X
Automatic Oil Drain: A display reminds you to empty the graduated container to show the amount of oil to replace.	X	X	X	X
Oil Inject: Automatically inject oil back into the vehicles's A/C systems.		X*		X**
Refrigerant & Oil Database: A/C system capacities for North American market vehicles (Optional - not included with the machine).	Optional	Optional	Optional	Optional
A/C System Flush: Flushes a vehicle's A/C system with refrigerant, eliminating any residual oil or other liquid. (Flushing adapters not included).		X	X	X
Save & print before and after service data: Allows the user to store before and after service information by vehicle and print this information to provide to a customer.		X	X	X
Visual & Audible Alarm: Notifies the user when service is complete, or if a problem has occurred.		X	X	X
Vacuum Leak Test: Monitors level after evacuation, informs of possible leak.		X	X	X
Automatic Air Purge: Eliminates system-damaging air without monitoring gauges or opening valves.	X	X	X	X
Automatic Refrigerant Refill: Maintains a user-selectable amount of refrigerant in an internal vessel and signals when it's time to change supply tank, no monitoring required.		X	X	X
Vacuum Feature: Defaults to 15 mins, programmable up to 99 mins. "Remaining time" is displayed.	X	X	X	X
Display: Multilingual.	X	X	X	X
Refrigerant Charging:	X	X***	X***	X***
Refrigerant Management System: Displays refrigerant use and monitors remaining filter life. Prompts appear when 1/3 of filter life remains.	X	X	X	X
Electric Vehicle: Capable of servicing high voltage electric compressor A/C systems.			X	
Printer	Optional	Optional	Optional	X

* One oil bottle. **Two oil bottles and one UV dye bottle. ***Charge mode from high or low side, or use both sides.

#AC1234-6

**R-1234YF
RECOVERY
LEADERS**

Robinair recovery machines are the North American leaders in R-1234yf service.

The AC1234-6 and new AC1234-4 offer fully automatic operation, a powerful 1.5 CFM pump and use a liquid refrigerant flush function to recover more refrigerant faster. Both machines exceed J2843 requirements for R-1234YF recovery, recycle and recharge equipment. Standard features include an integrated refrigerant identifier, automatic internal tank refill, automatic oil drain and a color display.



**ROBINAIR A/C SERVICE TOOLS
AND EQUIPMENT ARE SOLD THROUGH**



**Keystone
Automotive**

Bosch takes pride in Best-In-Class Field Support and they have representation in all of the key markets we service.

Industry-leading efficiency and more accurate service



Features	AC1234-4	AC1234-6
Fully-Automatic Operation - program for service, walk away and return when complete.	Y	Y
98.5% recovery efficiency.	Y	Y
Programmable Vacuum Operation - quickly achieves necessary vacuum level in any condition.	Y	Y
System leak test to identify gross leaks in a system.	Y	Y
Charge accuracy within +/- 0.5 oz.	Y	Y
Automatic Oil Drain - shows how much oil was removed from the system during service.	Y	Y
Automatic Air Purge - removes potential of air accumulating in the internal tank.	Y	Y
Integrated Refrigerant Identifier (meets SAE J2927).	Y	Y
Liquid Refrigerant Flush Function - flush A/C system components using liquid refrigerant instead of harsh chemicals.	Y	Y
Automatic Internal Tank Refill - no stopping to fill internal tank during or before service.	Y	Y
Color graphical display.	4.3 IN.	1/4 VGA
On-board printer.	Optional	Y
Ether Network Port.	-	Y
USB 2.0 Port.	-	Y
Audio jack.	-	Y
Standard SD Card slot.	Y	Y
Meets / exceeds SAE J2843 requirement for R-1234YF recover, recycle and recharge equipment.	Y	Y
Specifications		
Operating Voltage	103 - 127V, 60Hz AC	103 - 127V, 60Hz AC
Pressure gauges	100 mm, EN837-1	100 mm, EN837-1
Keyboard	Alpha-numeric with service function keys	Alpha-numeric with service function keys
Vacuum pump	1.5 CFM dual-stage	1.5 CFM dual-stage
Compressor	1/3 hp hermetic	1/3 hp hermetic
Internal storage tank	22 lb. ASME	22 lb. ASME
Port access	-	USB. SD. RJ45 I/O
Hose / couplers	9-foot SAE J2886	9-foot SAE J2886
J2843 compliant	Yes	Yes



ROB13172

MAINTENANCE KIT W/ FILTER

Keep recovery and recycling units operating at peak efficiency with a convenient maintenance kit. Contains one quick change filter-drier to be used on both R-12 and R-134a stations, and one 16 ounce bottle of our Premium High Vacuum Pump Oil.



ROB17499

DUST COVER FOR A/C RRR MACHINES

Heavy-duty vinyl cover to protect your investment . Features corded seams for durability.



ROB34724

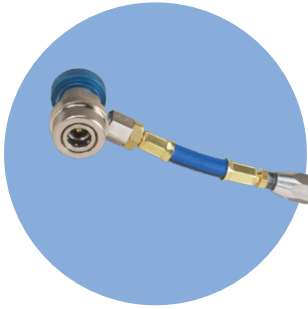
RECYCLING FILTER-DRIERS

Specially blended for maximum acid and moisture removal.

PART NUMBERS	DESCRIPTION	DIMENSIONS	
ROB13172	16 OZ. VACUUM PUMP OIL AND REPLACEMENT FILTER	16 ounce bottle and 12.00in x 3.80in x 3.80in filter	R-12, R-134a, AN R-1234YF models
ROB17499	DUST COVER FOR A/C RRR MACHINES	15.75in x 5.00in x 15.00in	AC1234-6, 34788NI, 34788NI-H, and 34988NI models
ROB34724	RECYCLING FILTER-DRIERS	12.00in x 3.80in x 3.80in	17700-2K, 34134A, 34134-2K, 342000, 34234, 34300-2K, 34700, 34700-2K, 34800, 34800-2K, 34900 series.

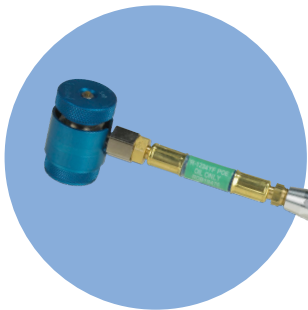
See your instruction manual if you have questions about which filter-drier to use.

OIL INJECTORS



ROB18460

R-1234YF OIL INJECTOR (GENERIC)



ROB18470

R-1234YF POE OIL ONLY, SYRINGE-TYPE INJECTOR

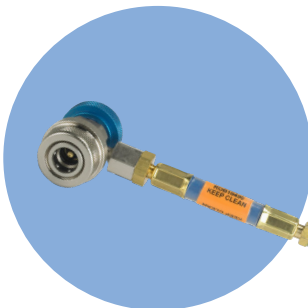
This syringe type injector is used to add oil to a fully pressurized A/C system. Just fill the barrel with the amount of oil needed, connect the injector, and press the plunger.



ROB18480

R-134A PAG OIL INJECTOR

Includes low side manual quick coupler to connect to the vehicle's A/C system. Use this syringe-type injector to add PAG type lubricant oil to a fully pressurized A/C system. Just fill the barrel with the amount of oil needed, connect the injector, and press the plunger.



ROB18490

R-134A POE OIL INJECTOR

Includes low side manual quick coupler to connect to the vehicle's A/C system. Use this syringe-type injector to add Polyol Ester (POE) type lubricant oil to a fully pressurized A/C system. Just fill the barrel with the amount of oil needed, connect the injector, and press the plunger.

AUTO/LIGHT DUTY RADIATORS & HEATERS

The Professional Choice
Platinum
Pro



RADIATORS

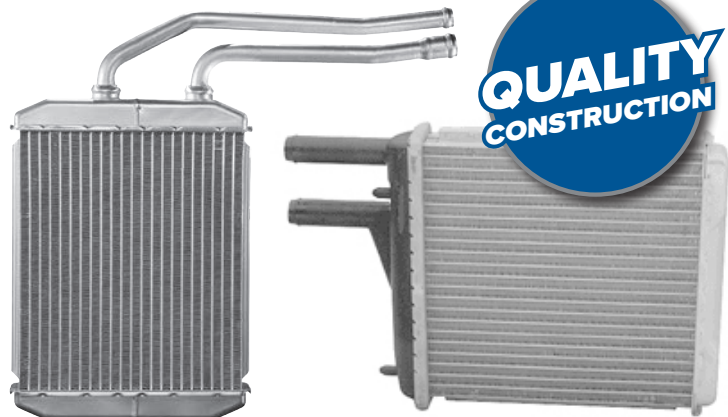
- ▶ High efficiency core design cools with less air
- ▶ Meets heat rejection specifications for each application
- ▶ Made of only premium grade components
- ▶ Improvements and upgrades always included
- ▶ Non-consolidated line for exact fit
- ▶ All late model applications available immediately
- ▶ Our radiators provide exact fit and performance in all operating conditions
- ▶ Manufactured of the highest quality components representing the latest technology
- ▶ Most extensive coverage in the aftermarket

**MODELS AVAILABLE FOR
FORD, CHRYSLER,
GENERAL MOTORS, IMPORTS**

HEATER CORES

- ▶ All Aluminum
- ▶ Plastic/Aluminum
- ▶ Copper/Brass

**FULL LINE COVERAGE
DOMESTIC & IMPORT**



**LIMITED
LIFETIME
WARRANTY***

**AVAILABLE ON QUALIFYING
RADIATORS, HEATER CORES, COOLING
FAN ASSEMBLIES & CONDENSERS**

COOLING FAN ASSEMBLIES & CONDENSERS

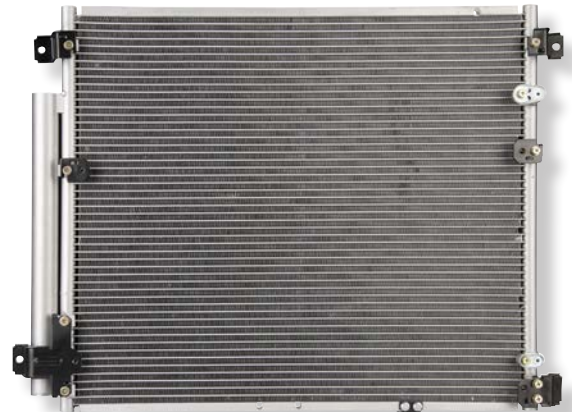


COOLING FAN ASSEMBLIES

- ▶ **Complete Assemblies (Fan, Motor & Shroud)**
- ▶ **Full Line Coverage For Both Domestic & Import Vehicles**
- ▶ **“Drop-In” Fit**
- ▶ **Manufactured using 100% New Components**

CONDENSERS

- ▶ **Our condensers not only are highly efficient aluminum heat exchangers, they are lightweight and compact to make installation hassle-free**
- ▶ **Parallel Flow, 6mm, and serpentine design**
- ▶ **Superior fin waves provide a higher heat transfer coefficient and full condensation**
- ▶ **Pure aluminum construction provides greater resistance to corrosion**
- ▶ **Non-Consolidated line for exact fit**
- ▶ **Exact Fit for easy installation with speed and ease**
- ▶ **We have the most extensive coverage in the aftermarket**
- ▶ **Our condensers contain pre-installed parts for certain applications to speed up installation time**



PRICED RIGHT
BUILT BETTER



*See inside back cover for warranty requirements and details



Extended Life Antifreeze/Coolant



- Recommended for use in **ALL MAKES AND MODELS** of foreign and domestic passenger vehicles and light duty trucks
- **GUARANTEED UP TO: 5 YEARS** or **150,000 MILES** protection*
- Add as a top-up to any color antifreeze
- Protects all coolant system metals, including aluminum
- Available as a **CONCENTRATE** or **50/50 PRE-DILUTED**

Item#	Formulation	Size	UPC
AFR010001	Pre-diluted	1 Gallon	059934908562
AFR010002	Concentrate	1 Gallon	059934908555

Platinum Pro Extended Life Antifreeze/Coolant is recommended for use in ALL MAKES AND MODELS of foreign and domestic passenger vehicles and light duty trucks. It contains a proprietary formulation of premium corrosion inhibitors that provide extended protection against rust, corrosion and pitting cause by cavitation for all coolant system metals. It also provides excellent protection against temperature extremes, preventing freeze-up and boil-over when used in accordance with OEM and product manufacturer’s guidelines regarding product dilution. This product can be mixed with any color engine coolant. *When added to a coolant system after complete drain, flush and fill, this product provides up to 5 years or 150,000 miles of protection.

Coolant concentrate must be diluted with water prior to use. **Platinum Pro Extended Life Antifreeze/Coolant** should not be used in concentrated form. A 50% dilution is generally recommended for the best balance of protection against freezing, corrosion and summer boil-over. For increased freeze protection in extremely cold areas, a 60% volume concentration can be used. Concentrations of greater than 70% by volume are not recommended. High quality soft, de-ionized or distilled water should always be used to dilute coolant concentrate. For added value and convenience, this product is available in ready to use format, per-diluted to 50% volume using de-ionized water.

ECONOMY: Save your customers’ money by reducing the number of times they need to change their coolant. The superior performance and stability of our premium extended life corrosion inhibitors allows them to keep on working well beyond the lifetime of traditional products.

EXTENDED PERFORMANCE: Our proprietary extended life engine coolant technology affords lasting corrosion protection and protects against pitting caused by cavitation to the ferrous and non-ferrous metals currently found in traditional and modern engine/engine coolant system construction. When added to coolant system after complete drain, flush and fill, this product provides up to 5 years or 150,000 miles of protection.

Chemical Name: Ethylene Glycol-based Engine Coolant

Typical Product Properties:

Characteristic	Performance	Test Method
pH (50% by vol.)	7.5 - 8.5	ASTM D1287
Specific gravity (15.6°C/60°F)	1.120 - 1.140	ASTM D1122
Freeze Point (50% by vol.)	-37°C/-34°F	ASTM D1177
Foam Volume (ml)	150 max.	ASTM D1881
Foam break time (second)	5 max.	ASTM D1881
Reserve Alkalinity (ml)	3.0 min.	ASTM D1121
Chloride (ppm)	25 max.	ASTM D3634
Color	Pale Yellow	
Glycol Content (wgt.%)	93 min.	
Inhibitors and Water Content (wgt.%)	7 max.	

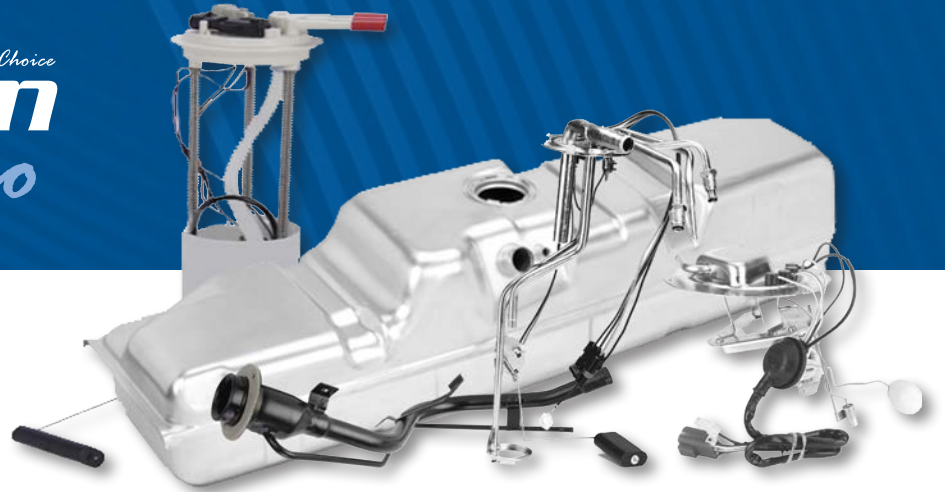
Meets the following specification
 ASTM D3306, JIS K2234



NOTICE: This product is shipped in compliance with applicable laws and regulations regarding classification, packaging, shipping and handling. The performance and physical property data described for this product are typical results not sale specifications, except where maximum or minimum is indicated. Refer to Material Safety Data Sheets for further information.

Because use conditions and applicable laws may differ from one location to another and may change with time, the customer is responsible for determining whether the product and the information in this document are appropriate for their use and for ensuring that their workplace and disposal practices are in compliance with applicable laws and other governmental enactments. LKQ Corporation’s warranty is limited to the claims of product meeting stated performance specifications. It is the responsibility of the end-user to determine product suitability as recommended in the owner’s manual and to follow engine manufacturer’s instructions.

FUEL TANKS, FUEL DELIVERY & ACCESSORIES



FUEL TANKS

- ▶ **Exact Fit & Design**
- ▶ **Corrosion Resistant**
- ▶ **Precision Engineering & Tooling**
- ▶ **Manufactured under QS-9000-ISO 9002 Quality System**
- ▶ **Quality Assurance**
- ▶ **Limited Lifetime Warranty Coverage**
- ▶ **100% Tested**
- ▶ **Packaging Transit Tested**
- ▶ **Product Support Guarantee**
- ▶ **Product Line Coverage**

**LIMITED
LIFETIME
WARRANTY***

FUEL TANK ASSEMBLIES

Complete Fuel Tank Assemblies Include:

- ▶ **Tank**
- ▶ **Fuel Module**
- ▶ **Straps**



WE CARRY A COMPLETE LINE OF FUEL PRODUCTS, INCLUDING FILLER NECKS, STRAP SETS, FUEL MODULES, SENDING UNITS & HANGER ASSEMBLIES!

*See inside back cover for warranty details

FILLER NECKS

Our Filler Necks are dual coated for lasting protection against corrosion, preventing expensive fuel leaks and unnecessary pump failures.

- ▶ **Limited Lifetime Warranty**
- ▶ **100% Tested**
- ▶ **Perfect Fit Guarantee**



The original equipment design leaves filler necks unprotected from corrosion and road debris causing dangerous and expensive fuel leaks.

**PROTECT YOUR INVESTMENT
WITH QUALITY PLATINUM PRO PRODUCTS!**

OIL PANS & GASKETS

- ▶ **Import & Domestic**
- ▶ **Limited Lifetime Warranty**



**AVAILABLE & READY FOR DELIVERY
WITH OVER 450 MODELS FITTING
MILLIONS OF VEHICLES IN OPERATION!**

WHEELS

FIND THE WHEELS YOU NEED WITH KEYSTONE AUTOMOTIVE*

BEST QUALITY IN THE INDUSTRY

- ▶ **Vast Inventory Across Our National Network**
- ▶ **Fast and Safe Local Deliveries**
- ▶ **New & Replica**
- ▶ **Competitive Prices**
- ▶ **Quick Order Turnaround**
- ▶ **Knowledgeable Staff**
- ▶ **Remanufactured**



*Services not available in all locations. Please contact your local LKQ/Keystone Representative for more information

SPEND LITTLE SAVE BIG!

WITH OUR KEYSTONE DETAIL PRODUCT SERIES



FEATURES



BENEFITS

- Improved product performance due to proper mixing ratios
- High quality diluter with long-term durability
- Reduced waste as compared to traditional “glug” pour off method
- Highly concentrated and biodegradable formulas
- Control your costs for improved profitability
- Product labels included for safety compliance
- Detail products conveniently accessible in one place

Keystone Automotive Platinum Plus Detail Series is an assortment of highly concentrated and ready to use cleaning and detail products. Our system includes a high-quality diluter that ensures accurate mixing, delivering improved product performance at a much lower cost.

From cleaners and degreasers to soaps, waxes and rejuvenators, we have the right products to maintain that shiny new car look on the outside and the inside.

CAR WASHES



KEY SOAP
KEY262-5G



KEY WASH-N-WAX
KEY333-G

AUTOMOTIVE CLEANERS



KEY APC
KEY276-G



KEY SUPER DEGREASER
KEY310-G

WHEEL & VINYL CLEANERS



KEY EXTREME
KEY278-G



KEY KONDITION
KEY244-G



KEY FREE VINYL
KEY349-G

PERFORMANCE WAXES



KEY FAST WAX
KEY366-G



KEY DLEANER WAX
KEY355-G

DETAIL SPRAYS



KEY SHINE
KEY2341



**PLATINUM
REFINISH**
SERIES

TURBO POWER™

HD DIESEL ELC Antifreeze/Coolant



- Recommended for use in light and heavy duty diesel applications where an extended service interval is required
- **GUARANTEED UP TO: 6 YEARS, 12,000 HOURS, or 600,000 MILES***
- Fully formulated; does not require initial charge of SCA
- Low silicate, phosphate and amine free
- Available as a **CONCENTRATE** or **50/50 PRE-DILUTED**

Item#	Formulation	Size	Case Pack	UPC	SCC
AFR010003	Pre-diluted	1 Gallon	4	056438867340	40056438867348
AFR010004	Concentrate	1 Gallon	4	056438868347	40056438868345

Turbo Power Heavy Duty Diesel Extended Life Antifreeze/Coolant is a hybrid technology product that does not require an initial charge of SCA or coolant extender at initial fill. This OEM approved product is specially formulated to protect all coolant system metals and provides excellent wet sleeve liner cavitation protection. It is designed for use in light and heavy duty diesel applications where an extended service interval is required. It is recommended for use in on-road truck, off-road, farm, marine and stationary applications including, but not limited to, Caterpillar, Cummins, Detroit Diesel/MTU, GM Heavy Truck, Freightliner, PACCAR and Volvo Mack. *This aluminum compatible product, when added as an initial fill and properly maintained in accordance with engine manufacturer's maintenance recommendation, will provide an in-service life of up to 600,000 miles, 12,000 hours or 6 years, whichever comes first.

Coolant concentrate must be diluted with water prior to use. **Turbo Power Heavy Duty Diesel Extended Life Antifreeze/Coolant** should not be used in concentrated form. A 50% dilution is generally recommended for the best balance of protection against freezing, corrosion and summer boil-over. For increased freeze protection in extremely cold areas, a 60% volume concentration can be used. Concentration of greater than 70% by volume are not recommended. High quality soft, de-ionized or distilled water should always be used to dilute coolant concentrate. For added value and convenience, this product is available in a ready to use format, per-diluted to 50% volume using de-ionized water.

EXTENDED PERFORMANCE: The extended life engine coolant technology affords lasting corrosion protection and protects against pitting caused by cavitation to the ferrous and non-ferrous metals currently found in traditional and modern engine/engine coolant system construction. When added to a coolant system after a complete drain, flush and fill, this product provides up to 6years, 12,000 hours or 600,000 miles of protection.

Chemical Name: Ethylene Glycol-based Engine Coolant

Typical Product Properties:

Characteristic	Performance	Test Method	Meets the following specification
pH (50% by vol.)	7.5 - 8.6	ASTM D1287	ASTM D3306, D4656, D5345, D6210; JIS K2334; TMC RP329; DETROIT DIESEL 7SE298, 93K217; CAT EC-1; CUMMINS CID-A-A-52624; MTU MTL 5048
Specific gravity (15.6°C/60°F)	1.125 - 1.140	ASTM D1122	
Freeze Point (50% by vol.)	-37°C/-34°F	ASTM D1177	
Foam Volume (ml)	150 max.	ASTM D1881	
Foam break time (second)	5 max.	ASTM D1881	
Reserve Alkalinity (ml)	6.0 min.	ASTM D1121	
Chloride (ppm)	25 max.	ASTM D3634	
Silicon	250 max.	ASTM D6130	
Color	RED		
Glycol Content (wgt.%)	94 min.		
Inhibitors and Water Content (wgt.%)	6.0 Max.		

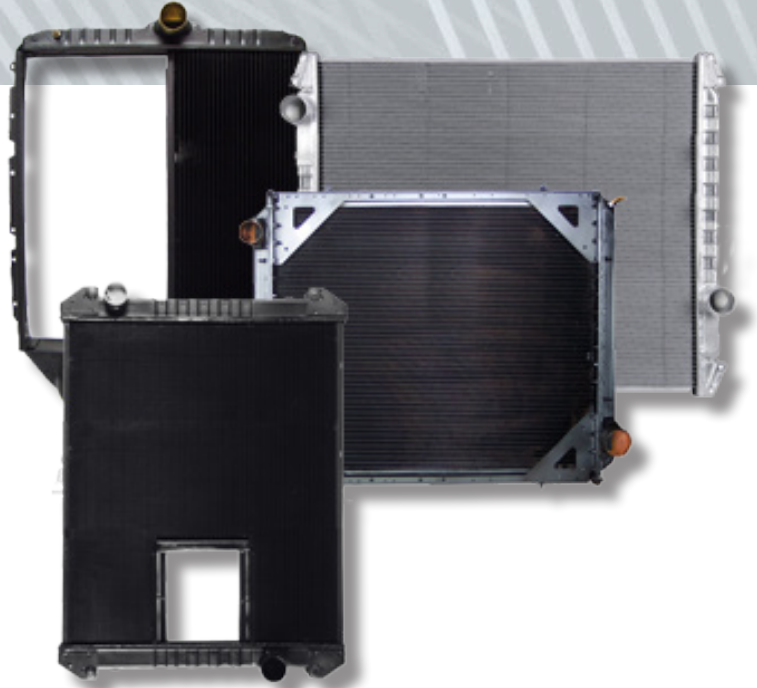


NOTICE: This product is shipped in compliance with applicable laws and regulations regarding classification, packaging, shipping and handling. The performance and physical property data described for this product are typical results not sale specifications, except where maximum or minimum is indicated. Refer to Material Safety Data Sheets for further information.

Because use conditions and applicable laws may differ from one location to another and may change with time, the customer is responsible for determining whether the product and the information in this document are appropriate for their use and for ensuring that their workplace and disposal practices are in compliance with applicable laws and other governmental enactments. LKQ Corporation's warranty is limited to the claims of product meeting stated performance specifications. It is the responsibility of the end-user to determine product suitability as recommended in the owner's manual and to follow engine manufacturer's instructions.

MEDIUM & HEAVY TRUCK RADIATORS

Platinum
HD



Available In:

- ▶ *Plastic/Aluminum*
- ▶ *Copper/Brass*
- ▶ *All Aluminum*

Other Applications Also Available:

- ▶ *Off-Road*
- ▶ *Agricultural*
- ▶ *School Bus*

OVER 600
PART NUMBERS
AVAILABLE

ALL FIT AS EXACT REPLACEMENT
“EASY OUT, EASY IN”

- ▶ **BLUEBIRD**
- ▶ **DODGE**
- ▶ **FORD/STERLING**
- ▶ **FREIGHTLINER**
- ▶ **GMC**
- ▶ **INTERNATIONAL**
- ▶ **ISUZU**
- ▶ **MERCEDES BENZ**
- ▶ **NAVISTAR**
- ▶ **KENWORTH**
- ▶ **PETERBILT**
- ▶ **MACK**
- ▶ **OSHKOSH**
- ▶ **SPARTAN**
- ▶ **VOLVO**
- ▶ **WESTERN STAR**



CALL **FOR A CATALOG!**

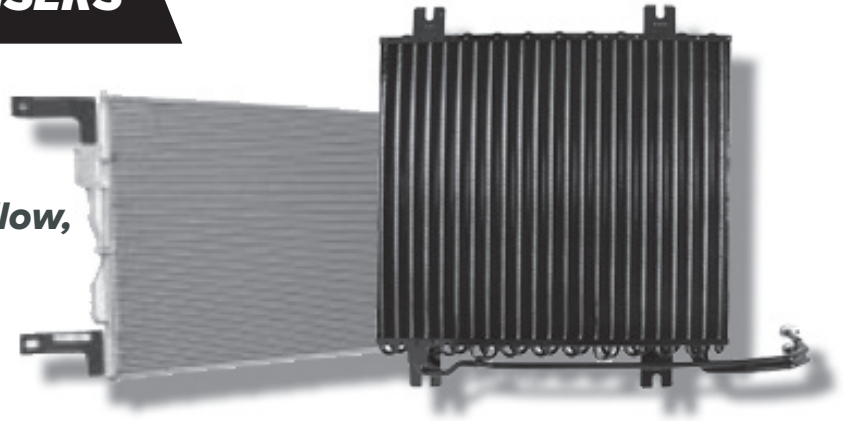
To order a catalog: Call your servicing warehouse, or Scan QR code

MEDIUM & HEAVY TRUCK CONDENSERS & A/C PARTS

MEDIUM & HT CONDENSERS

- ▶ **Superior Quality**
- ▶ **“Drop-In” Fit**
- ▶ **Manufactured In Parallel Flow,
6mm, Serpentine Design**

Platinum
HD



MEDIUM & HT A/C PARTS

**Air Conditioning Parts for Medium &
Heavy Truck Applications**

- ▶ **Compressors**
- ▶ **Condensers**
- ▶ **Filter Driers**
- ▶ **Evaporators**
- ▶ **Expansion Valves**
- ▶ **O-Rings & Sealing Washers**
- ▶ **Tools & Equipment**



**IF WE DON'T HAVE IT
WE CAN FIND IT!**

HEAVY TRUCK TOP COMPRESSORS

Platinum
HD



TOP 10 COMPRESSORS

LKQ P/N	Compressor Type	OEM#	Model	Voltage	Clutch	Clutch Diameter	Gauge Line	Coil Position	Comp Mount	Comp Ftg	Cyl. Head	Oil
ACP010888	Sanden SD7H15 w/clutch	2247691000	SD7H15SHD	12	8	119mm	49mm	12	Direct	Pad	GQ	PAG 46
ACP010890	YorK ET210L w/o clutch	ET210L-25150	YORK	N/A	N/A	N/A	N/A	N/A	Direct	Tube-O	LHS	PAG 100
ACP012222	Sanden SD7H15 w/clutch	SK14417 ABP N83 304543	SD7H15	12	8	119mm	49mm	12	Direct	Pad	GH	PAG 46
HDH010411	Sanden SD7H15 w/clutch	194815	SD7H15	12	6	125mm	46mm	12	Direct	Pad	GWA	PAG 46
HDH010412	Sanden SD7H15 w/clutch	18-04718	SD7H15	12	6	125mm	46mm	12	Direct	Pad	GQ	PAG 46
HDH010413	Sanden SD5H14 w/clutch	11104512	SD5H14	12	2	132mm	23.8mm	12	Ear	VOR	FL	PAG 46
HDH010415	Sanden SD7H15 w/clutch	A22-47692- 000	SD7H15	12	8	119mm	34mm	12	Ear	HTO	MJA	PAG 46
HDH010416	Sanden SD7H15 w/clutch	18-04145	SD7H15	12	2	125mm		12	Ear	Pad	GQ	PAG 46
HDH010418	Sanden SD7H15 w/clutch	18-05000	SD7H15	12	6	125mm	46mm	12	Direct	Pad	GA	PAG 46
HDH010550	Sanden SD7H15 w/clutch	3582435C1	SD7H15	12	8	119mm		12	Direct	H-Pad		PAG 100

HEAVY TRUCK Filter Driers & Expansion Devices

TOP FILTER DRIERS

Receiver Driers & Accumulators							
LKQ P/N	Make	Description	Length	Diameter	In/Out Ftg.	Sight Glass	OEM#
ACM010543	Freightliner	Receiver Drier	8 in.	3 in.	PAD, PAD	NA	8E0820193
ARD010301	Freightliner	Receiver Drier	10 in.	3 in.	PAD, PAD	NA	PH 088539-00
ARD010303	Freightliner	Receiver Drier	7 in.	4 in.	PAD, PAD	NA	A22-63992-000
HDH010388	Kenworth	Receiver Drier	10 in.	3 in.	3/8 MO, 3/8 MO	Side	K251-521
ACM010512	Kenworth	Receiver Drier	10 in.	3 in.	3/8 FO, 3/8 MO	Top	K251-571
HDH010401	Kenworth	Receiver Drier	11 in.	3 in.	PAD, PAD	NA	F376000C
ACM010899	Kenworth	Receiver Drier	11 in.	3 in.	PAD, PAD	NA	F37-6008, F37-6010
ACM010898	Kenworth	Receiver Drier	11 in.	3 in.	PAD, PAD	NA	F37-6009, F37-6011
HDH010476	Mack	Receiver Drier	10 in.	3 in.	3/8 MO, 3/8 MO	Top	221-RD-335
ACM010107	Navistar	Receiver Drier	10 in.	3 in.	11/16 FO, 3/8 FO	Top	1693117-C1
HDH010402	Navistar	Accumulator	9.5 in.	3.5 in.	PAD, PAD	NA	3542577C2
ARD010286	Navistar	Receiver Drier	8 in.	3 in.		NA	3670134C1
HDH010378	Peterbilt	Accumulator	8.5 in.	3.5 in.	PAD, PAD	NA	18-04171
ACM010511	Sterling	Accumulator	8 in.	3.5 in.	5/8 MO, 3/4 MO	Top	F6HZ-19C836-A
HDH010382	Volvo	Receiver Drier	9.25 in.	3 in.	3/8 MIO, 3/8 MIO	Top	61510-0008

TOP EXPANSION VALVES

Expansion Valves and Orifice Tubes							
LKQ P/N	OE Brand	Type of Part	Type	Color	Liquid Line Inlt/Ottt	Suction Inlt/Ottt	OEM#
ACX011660	Freightliner	Exp Valve	Block		3/8 in. , 1/2 in.	5/8 in., 3/4 in.	BOA-A4965
ACX011793	Freightliner	Exp Valve	Block		3/8 in., 1/2 in.	5/8 in., 5/8 in.	BOA-93674
ACX011840	Kenworth	Exp Valve	Block		3/8 in., 1/2 in.	1/2 in., 5/8 in.	540446
ACX011621	Navistar	Exp Valve	Block		3/8 in., 1/2 in.	1/2 in., 5/8 in.	2501794-C92
FJC3124	Navistar	Exp Valve	Orifice Tube	Purple			3548044-C1, 55036182
ACX011794	Navistar	Exp Valve	Block		3/8 in., 1/2 in.	5/8 in., 3/4 in.	20443850
ACX012663	Navistar	Exp Valve	Block		3/8 in., 1/2 in.	1/2 in., 5/8 in.	540056BSM
FJC3117	Peterbilt	Exp Valve	Orifice Tube	Red			
ACX011659	Peterbilt	Exp Valve	Block		3/8 in., 1/2 in.	1/2 in., 5/8 in.	540057BSM
ACX011614	Universal	Exp Valve	Block		3/8 in., 1/2 in.	1/2 in., 5/8 in.	
ACX011304	Universal	Exp Valve	Block		3/8 in., 1/2 in.	5/8 in., 5/8 in.	
ACX011842	Volvo	Exp Valve	Block		3/8 in., 1/2 in.	5/8 in., 5/8 in.	3599589C1

BAR & PLATE CHARGE AIR COOLERS

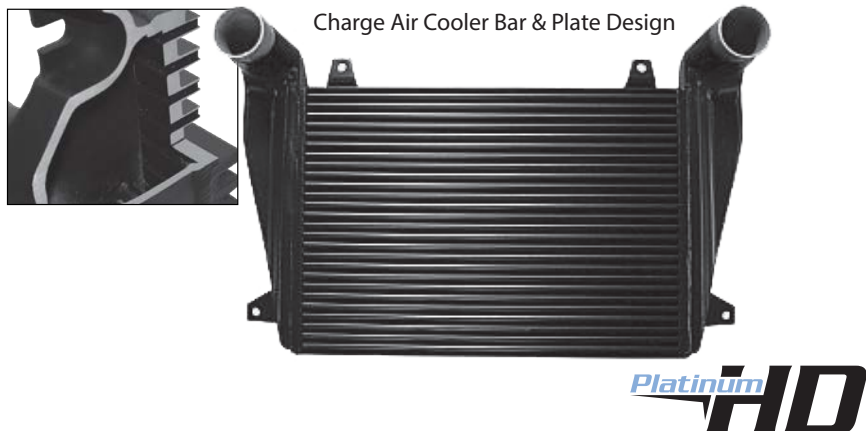
Typical Charge Air Cooler Tube and Fin Design



Cracked header plate

Charge Air Coolers, while operating with a little over 400°F inlet temperature will drop the boosted air's temperature to just over 100°F before it enters the engine. This huge drop in temperature causes extreme thermal stresses from expansion and contraction of the entire structure. These stresses along with engine load changes and chassis vibration cause frequent fatigue failures, most being a cracked header plate and/or cracked tubes.

Charge Air Cooler Bar & Plate Design



The Charge Air Cooler Bar & Plate design eliminates the header plates in the construction process. The bar and plate center section permits the manifold to be welded directly to the center section, eliminating the need for header plates and braze welding of the air tubes, thus, creating a durable and highly efficient Charge Air Cooler.

*See Warranty for Details.

**NOW
OFFERING**

**LIMITED
LIFETIME
WARRANTY***

**DUE TO THE HIGHLY EFFICIENT,
DURABLE BAR & PLATE
CHARGE AIR COOLER DESIGN,
WE ARE NOW OFFERING
A LIMITED LIFETIME
WARRANTY ON 122
MODELS!**

HDH010189BP - Peterbilt
HDH010191BP - Peterbilt
HDH010194BP - Freightliner
HDH010201BP - Kenworth
HDH010202BP - Kenworth
HDH010207BP - Mack
HDH010225BP - International
HDH010244BP - Freightliner
HDH010246BP - Freightliner
HDH010311BP - International

HDH010313BP - Western Star
HDH010491BP - Mack/Volvo
HDH010517BP - International
HDH010543BP - Kenworth
HDH010547BP - Peterbilt
HDH010556BP - Kenworth
HDH010565BP - Peterbilt
HDH010566BP - Peterbilt
HDH010571BP - Freightliner
HDH010581BP - Mack

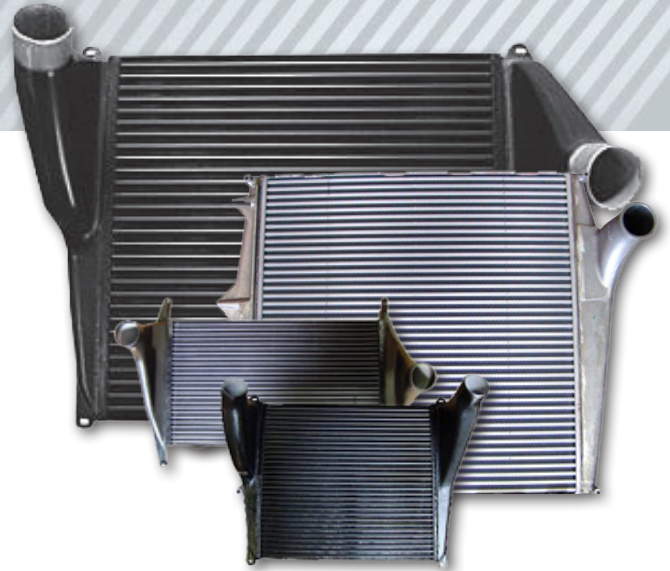
TOP MOVING MODELS

**OUR LEAK-FREE
DESIGN RESULTS IN
CLEANER FUEL BURN,
BETTER FUEL ECONOMY
& HIGHER HORSEPOWER!**

CHARGE AIR COOLERS

Platinum **HD**

SAVE MONEY
INSPECT YOUR CHARGE AIR COOLER!



**LOSING PRESSURE, PERFORMANCE, AND/OR FUEL ECONOMY?
INTOLERABLE EMISSION LEVELS? HEAR A WHISTLING SOUND?**

THESE ARE SIGNS OF IMPENDING TROUBLE!

**SAVE MONEY AND TEST YOUR CAC WITH OUR
CHARGE AIR COOLER TEST KIT!**

- ▶ Testing can be done without removal of the CAC
- ▶ Save an average of over \$2,400 or 600 gallons of fuel per year!



**CHARGE AIR COOLER
TEST KIT**

PRESSURE SPECS BY MANUFACTURER

Caterpillar

5 PSI in 15 sec @ 30 PSI

Cummins (ISB, ISC, N14)

7 PSI in 15 sec @ 30 PSI

Cummins (ISX, M11)

5 PSI in 15 sec @ 30 PSI

Detroit Diesel

5 PSI in 30 sec @ 30 PSI

International

5 PSI in 15 sec @ 30 PSI

Mack

5 PSI in 15 sec @ 30 PSI

Mercedes

5 PSI in 15 sec @ 25 PSI

Volvo

5 PSI in 15 sec @ 30 PSI

HEAVY TRUCK COOLANT SURGE TANKS & CAPS

SURGE TANKS

MAKE	PRODUCT INFORMATION	DESCRIPTION	REFERENCE NO.	LKQ P/N
Freightliner	Freightliner FLD Class	Surge Tank	VML T1555	HDK010402
Freightliner	Freightliner Cascadia Class Includes Pressure Cap HDK010419 & Coolant Sensor HDK010427	Surge Tank	A05-25263-005	HDK010217
Freightliner	Freightliner M2 Class Plastic, w/o Sensor	Surge Tank	A05-28531-000	HDK010215
Freightliner	Freightliner FLD Class Black Metal Finish	Surge Tank	EXO 3AC00019SP	HDK010153
Freightliner	Freightliner M2 Business Class Includes Cap HDK010413 (05-17223-002)	Surge Tank Kit	05-23195-000	HDK010224
Freightliner	Freightliner Century, Columbia 112, 120 & FLD Class	Engine Coolant Reservoir	05-23045-000	HDK010223
Freightliner	Freightliner Cascadia Class	Windshield Wiper Reservoir W/ Pump	A22-61372-000	HDK010410
Freightliner	Freightliner Cascadia Class Includes Pump HDK010428 (A22-71173-000)	Windshield Reservoir	A22-72448-002	HDK010411
Freightliner/Thomas	Multiple Freightliner Applications MVP Thomas Bus Steel	Surge Tank	S-24102	HDK010404
International	International 4100-4400 Series Medium Duty International BE200, CE200 & CE300 Series School Bus Plastic	Surge Tank	2602-935-C	HDK010407
International	International 5000, 5000i, 5600i & 5900i Series Severe Duty International 9100, 9200, 9400 & 9900 Series Premium Conventionals Metal, No Brackets	Surge Tank	2591-625-C	HDK010406
International	International 5500, 5600 & 5900 Series Severe Duty International 9200, 9400 & 9900 Premium Conventionals Steel	Surge Tank	S-24103	HDK010403
International	International 5900i, 8600, 9200, 9400, 9900 Series Made w/ high durability plastic to withstand vibration & heat	Surge Tank	2591-620-C	HDK010408
International	International 1600-1900 & 2100 Series Medium Duty	Surge Tank	586-531-C	HDK010401
International	International Late Model S Series W/O Drain Port In Back	Surge Tank	1661-919-C	HDK010400
International	International 4000 Series Medium Duty W/O Drain Port In Back	Surge Tank	1619-114-C	HDK010405
International	International 5500, 5600 & 5900 Series Severe Duty International 9200, 9400 & 9900 Premium Conventions	Engine Coolant Reservoir	2508-700-C	HDK010226
Peterbilt/Kenworth	Peterbilt 335, 359, 367, 379, 387 & 389 Models Kenworth W900, T660 & T800 Models Includes Check Valve & Cap	Surge Tank	N5346001	HDK010227
Volvo	Volvo VN Model (2001-2007) Volvo VNL & VNM Models (1997-2007) Description Detailed - Includes: HDK010424 Filler Cap, HDK010425 Pressure Cap & HDK010426 Coolant Sensor	Surge Tank	20519037	HDK010219
Volvo	Volvo VN, VNL & VNM Models (2008-2014) Mack CHU & CXU Models (2008-2015) Includes: HDK010422 Filler Cap, S-22374 Pressure Cap, HDK010423 Coolant Sensor & 20915849 Clamp	Surge Tank	21846997	HDK010220



CAPS & ACCESSORIES

MAKE	PRODUCT INFORMATION	DESCRIPTION	REFERENCE NO.	LKQ P/N
Freightliner	Freightliner Columbia Class	Surge Tank Cap	05-16271-000	HDK010412
Freightliner	Freightliner M2, M2 106, M2 112 Class Works W/ Surge Tank HDK010224 (05-23195-000) 10 PSI	Surge Tank Cap	05-17223-002	HDK010413
Freightliner	Freightliner Cascadia, Columbia & FLD Class Works w/ HDK010215 (A05-28531-000) & HDK010223 (05-23045-000) 15 PSI	Engine Coolant Reservoir Cap	05-20763-001	HDK010419
Freightliner	Freightliner Cascadia Class	Filler Cap	BHT NW3678001	HDK010420
International	International 4000 & S Series Medium Duty DT360 Engine Models W/ Automatic Transmissions	Surge Tank Cap	530-874-R	HDK010416
International	International 4100-4400 Series Medium Duty 16 PSI	Surge Tank Cap	2039-390-C	HDK010417
International	International 9300-9400 & 9600-9700 Series	Engine Coolant Reservoir Cap	3578-833-C	HDK010418
International	International 7300-7700 Series Severe Duty Includes Coolant Cap & Washer Cap	Overflow Tank Cap Kit	2507-479-C	HDK010421
Mack	Mack CH and RD Models 10 PSI	Surge Tank Cap	25005579	HDK010415
Peterbilt/Kenworth	Kenworth T660, T800 & W900 Models Peterbilt 335, 359, 367, 379, 387 & 389 Models Works W/ Surge Tank HDK010227 (N5346001) 15 PSI	Surge Tank Cap	N5348001	HDK010414



NOW AVAILABLE! IN SELECTED LOCATIONS!

DPF DIESEL PARTICULATE FILTERS



FEATURES:

- Built out of 409 stainless steel for enhanced durability.
- Packaged using a high-performance media made to provide long-term protection.
- Tested to produce the same emission reductions and back pressure as the original parts.
- One year warranty.
- No core charge.

DOC DIESEL OXIDATION CATALYSTS

FEATURES:

- Mechanically and chemically engineered to work with OEM sensors and engine operating parameters.
- Always newly built, never remanufactured or reconditioned.
- One year warranty.
- No core charge.



EM
NLS
TBX
TBC

RADIATOR CORES

Platinum HD

**IN STOCK
OR CUSTOM BUILT**

PASSENGER CAR & HEAVY TRUCK CORES



Core Styles

- ▶ **Serpentine Fin**
- ▶ **Flat Fin**
- ▶ **Canted Tube**

**AUTO, LIGHT TRUCK,
INDUSTRIAL & HEAVY DUTY CORE STYLES**

We Also Offer

- ▶ **Steel Fins**
- ▶ **Heavy Fins**
- ▶ **Louvered or Dimpled Fins**
- ▶ **Smooth or Dimpled Tubes**
- ▶ **Heavy Headers**
- ▶ **Boxed Headers**
- ▶ **Reinforced Corners**
- ▶ **Full Header Supports**
- ▶ **PTO Crankbox (Active or Inactive)**
- ▶ **Custom Brass Tanks**
- ▶ **Side Channels**



CT

JCT



TQ



CL



CLF



HL



HLF



HT



HTI



HTQ



TB



TBI



TBQ



TM



HTX

Not
Pictured

MEDIUM & HEAVY TRUCK ACCESSORIES



HEADLAMPS

We Offer:

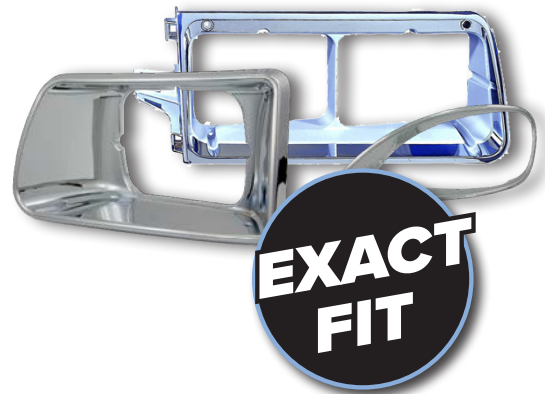
- ▶ *Headlamps*
- ▶ *Park/Signal/Corner Lights*
- ▶ *Fog Lamps*

REPLACE
YOUR WORN OUT, YELLOW HEADLAMPS!

- ▶ *Improves Safety*
- ▶ *No more headlight restoration kits*
- ▶ *Save time and energy*
- ▶ *Precision Fit*
- ▶ *Installs easily using existing factory holes & hardware*
- ▶ *1 Year Warranty*

BEZELS

- ▶ *Triple plated CHROME*
- ▶ *High Impact ABS Plastic construction*
- ▶ *Installs easily using existing factory holes & hardware*
- ▶ *1 Year Warranty*



GRILLES

- ▶ *High Impact ABS Plastic construction*
- ▶ *Installs easily using existing factory holes & hardware*
- ▶ *1 Year Warranty*



HEAVY TRUCK OIL COOLERS



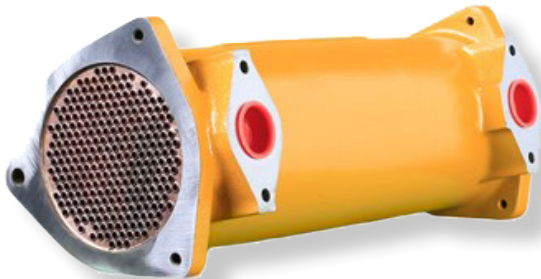
P/N: HDK010230



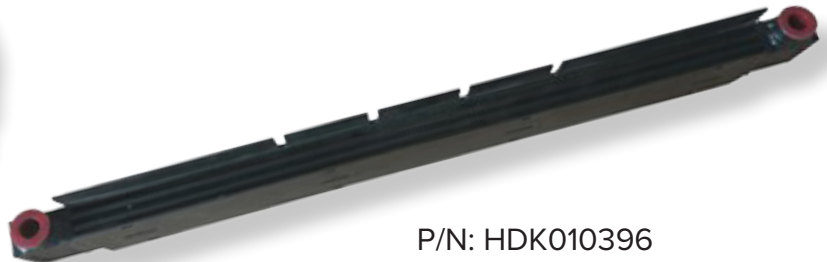
P/N: HDK010231



P/N: HDK010232



P/N: HDK010234



P/N: HDK010396

Part Number	Description	Reference
HDK010230	Caterpillar C11, C13, and C15 Series	2368745, 236-8745, 10R2128, C2368745
HDK010231	Caterpillar 3406B, 3406C, 3406E and C15 Series	2W1008, 7W2164, 6N8856, 6M0169, 4W6039, 4N0619, 2Y8928, OR9056, OR5601, OR5511, 133-0125, 1330125, 10R2112, 2237962
HDK010232	Caterpillar D8, D9, C Series	1330125, 133-0125
HDK010234	Caterpillar C10 and C12 Series	114-4514, 1144514, 341401, 1154517, OR-8191, OR8191, 115-4517, 421-7281, 4217281, OR8181, OR 8191, 116-4514, 1164514
HDK010396	New Flyer Transit Bus D40LF Series	101212A, 2700-10, 270010, 290026P, 290029P, 087769, 244028, 8200292070, 6322605

HEAVY TRUCK EGR COOLERS



Year	Make	Model	Notes	Reference	Part Number
2002-2006	Cummins	ISB	w/o Gaskets	3957199, 4946088	HDK010014
2002-2006	Cummins	ISM	w/o Gaskets	3102803, 4089380NX	HDK010013
2002-2006	Cummins	ISX	w/o Gaskets	2869133, 2878071, 2881783NX, 3683235, 3683435, 4952490, 4956008NX, 4089436NX, 810EGR783	HDK010012
2007-2009	Cummins	ISX	w/Gaskets	4309398NX, 2881747NX, 2878169, UMEGR0003, EGR784	HDK010399
2010-2013	Cummins	ISX	w/Gaskets	3689282, UMEGR0016	HDK010245
2002-2006	Cummins	ISL-G	w/o Gaskets	UMEGR0011	HDK010243
2010-2013	Detroit Diesel	DD15	w/o Gaskets	EA4721400475, 820EGR003, UMEGR010	HDK010242
1998-2006	Detroit Diesel	Series 60	w/o Gaskets	2353180, 23538835, 820EGR001	HDK010237
2008-2010	Detroit Diesel	Series 60	w/o Gaskets	23537387, 820EGR002, UMEGR009	HDK010241
2004-2010	Ford-Navistar		w/o Gaskets	4C3Z9P456AJ, 4C3Z-9P456-AJ, 1845145C97, 615EGR001, UMEGR006	HDK010238
2008-2010	Navistar		Intake COLD Side; w/o Gaskets	1876262C95, EGR262, 430736R91, 5010874R91, 615EGR002, EGNV2, UMEGR007	HDK010239
2008-2010	Navistar		Exhaust HOT Side; w/o Gaskets	1876261C98, 7090595C91, 1878616C1, 1876261C99, 615EGR003, UMEGR008	HDK010240
2002-2006	Volvo	VN	w/o Gaskets	20722340, 85110346, 637EGR091	HDK010236
2008-2016	Volvo	D13	w/o Gaskets	21480645, EGR340, 637EGR001, UMEGR012	HDK010244



HEAVY TRUCK FAN SHROUDS



Year	Make	Model	Reference	Part Number
1992-2007	Kenworth	T600-T800	K216-2007, F22-1022-1, F22-1006-01, K216-1976, K216-1037, K2162007, F221022-1, F221006-01, K2161976, K2161037, KW 1, KW1	HDC010483
2008-2011	Kenworth	T660	N4174001, PK 28, PK28	HDC010983
2012-2016	Kenworth	T660	W0276001, V1166003, PK 15, PK15	HDC010976
2011-2016	Kenworth	T700; 587 Series	N4189001, PK 32, PK32	HDC010985
1992 & Up	Kenworth	W900	K216-1964, K2161964, KW 7, KW7	HDC010486
1992-2002	Kenworth	W900	K216-2043, K2162043, KW 3, KW3	HDC010485
1994 & Up	Kenworth	W900	K216-2041, K2162041, KW 2, KW2	HDC010484
1994-1999	Kenworth	W900	K2161968, SHKW10, SH-KW10	HDC010496
2007-2008	Kenworth	W900	F22-1029, F221029, PK 24, PK24	HDC010981
2008-2016	Kenworth	W900	N9268001, PK 18, PK18	HDC010978
	Kenworth	W900B	K2161982, SHKW11, SH-KW11	HDC010497
2012-2016	Kenworth/ Peterbilt	T680 ; 579 Series	Y1593001, PK 16, PK16	HDC010977
2007-2016	Kenworth/ Peterbilt	T800; 367-579	N4171003, N4171001, PK 30, PK30	HDC010984
2008-2016	Kenworth/ Peterbilt	W900; 389 Series	N4173001, PK 26, PK26	HDC010982
1994 & Up	Peterbilt	377,378,379 Series	07-06681M001, 07-06680M001, 07-06675M001, 0706681M001, 0706680M001, 0706675M001, PETE 5, PETE5	HDC010488
1994 & Up	Peterbilt	377,378,379 Series	F22-6031M01, F22-6014M03, F226031M01, F226014M03, PETE 6, PETE6	HDC010489
1994-2004	Peterbilt	377,378,379 Series	0706884M003, SHPETE8, SH-PETE8	HDC010498
1994-2004	Peterbilt	377,378,379 Series	0706686M002, SHPETE9, SH-PETE9	HDC010499
1994 & Up	Peterbilt	377,378,379,387 Series	07-06688M002, 07-06682M002, F22-6011M10, 07-06688M004, 0706688M002, 0706682M002, F226011M10, 0706688M004, PETE 4, PETE4	HDC010487
2006-2007	Peterbilt	386 -387 Series	F22-6039, F22-6012M10, F226039, F226012M10, PK 14, PK14	HDC010975
2008-2016	Peterbilt	386 -389 Series	N4172001, PK 22, PK22	HDC010979
2008-2014	Peterbilt	386 Series	N4176001, PK 13, PK13	HDC010974
2000-2004	Peterbilt	387 Series	3A-48427D, 3A-48426D, 3S48427, 3A48427D, 3A48426D, PK 23, PK23	HDC010980

LIMITED & LIFETIME* WARRANTY FOR LIGHT CARS & TRUCKS, INDUSTRIAL & HEAVY DUTY

Product: Thermal-Climate Control, Undercar & Mechanical

LKQ Corporation, and its subsidiaries, including Keystone Automotive Industries, Inc. ("LKQ"), distributes a broad range of New, recycled*, remanufactured and reconditioned* automotive and truck replacement products through its company owned an operated locations. Our climate control, mechanical and undercar products for cars, light & medium duty trucks, industrial and heavy duty applications includes Radiators, Condensers, Compressors, Heater Cores, Evaporators, Cooling Fan Assemblies, AC Kits and more.

Warranty Period From The Date Of Installation

- Limited Lifetime Warranty*

- ° A/C Kit-includes Compressor, Expansion Device(s), Filter Drier, seal kit (if needed) & Condenser (if required)*
- ° Condensers
- ° Cooling Fan Assemblies
- ° Fuel Tank Assembly-includes Fuel Tank, Factory Installed Pump & Fuel Tank Straps
- ° Fuel Tanks
- ° Oil Pans
- ° Fuel Tank Straps
- ° Fuel Tank Filler Necks
- ° Fuel Senders, Fuel Modules, Hanger Assemblies
- ° Heater Cores
- ° Radiators**
- ° Water Pumps
- ° New & Remanufactured Starters & Alternators

- 12-Month Warranty

- ° A/C Service Items
- ° Compressors*- when sold separately
- ° Evaporators
- ° Filter Driers* - when sold separately
- ° Hose Assemblies

- 24-Month Warranty

- ° Wiper Linkage

- Industrial & Heavy Duty Application Warranty

- Limited Lifetime Warranty

- ° Bar & Plate Style Charge Air Coolers
- ° Bumpers (Peel Warranty).

- 12-Month Warranty

- ° Industrial Complete Radiators (Bolt-On Style Radiators carry a 36-month Warranty and Aftermarket Plastic & Aluminum carry a 24-month

Warranty))

- ° Condensers
- ° DPF-Diesel Particulate Filters & DOC-Diesel Oxidation Catalysts
- ° EGR's -Exhaust Gas Recirculation Coolers
- ° HD Grilles
- ° HD Headlamps & Bezels
- ° Hoods
- ° Radiator Cores
- ° Turbochargers

- 24-Month Warranty

- ° Plastic & Aluminum Radiators - Aftermarket
- ° Charge Air Coolers (Bar & Plate Style CAC's carry a Limited Lifetime Warranty)

- 36-Month Warranty

- ° Bolt-On Style Radiators

*Recycled parts and reconditioned parts carry a 6 month/6,000 mile warranty.

WHAT IS COVERED

LKQ warrants its parts to be free of defects in materials and workmanship for the warranty period indicated from the date of installation and for as long as the original retail purchaser owns the vehicle on which the part is installed. See LKQ Warranty Coverage Validation for Climate Control Products - Cars, Light, Medium, Heavy & Industrial Truck for coverage details.

LKQ's sole and exclusive obligation under this warranty is limited to, at LKQ's option, replacement, repair or refund the purchase price. To make a claim, you must provide proof of purchase to your place of purchase, or the business which installed the part. In the event that it is determined that the part must be replaced, the original part must be returned to LKQ to obtain the replacement part.

If you are unable to obtain satisfactory service, please contact the LKQ Warranty Department, 655 Grassmere Park Drive, Nashville, TN 37211. This warranty applies to vehicles registered and normally operated in the United States and Canada.

WHAT IS NOT COVERED

Because this warranty applies to defects in materials and workmanship, it does not apply to normal worn parts, damage resulting from rust, road hazards, gravel, debris adjustments or damage caused by misuse, neglect, lack of maintenance, accident, abnormal operation, improper installation, conditions that cause failure to the vehicle's warning devices, or alteration or removal of the parts. Warranty does not include cost associated with part removal, installation, inconvenience or consequential damages. This warranty does not apply to fleet or commercial use vehicles.

LKQ WARRANTY COVERAGE VALIDATION FOR CLIMATE CONTROL PRODUCTS - CARS, LIGHT, MEDIUM, HEAVY DUTY & INDUSTRIAL TRUCKS

*COMPRESSORS/A/C Kit Warranty

To validate the 12-month Compressor warranty & the limited lifetime warranty on an A/C Kit coverage, the following measures must be undertaken upon replacement of compressor. Failure to provide specific and documented proofs of original installation and subsequent replacement will void warranty coverage and the claim will be denied. We recommend following the specific instructions found in the literature or on stickers supplied in component packaging.

1. R12 an R134a are the only approved refrigerants for use with all compressors. Use of any other refrigerant will void the warranty.
2. The accumulator/filter drier must be replaced at the same time as the compressor.
3. The compressor clutch air gap must be verified prior to installation on vehicle (refer to OEM specifications / manufacturer specifications).
4. The proper type and amount of oil (see oil info) should be inserted through the suction port of the compressor or oil plug. With the use of a spanner wrench turn the compressor shaft (not the clutch pulley) 10 to 15 times, this will help properly distribute the oil throughout the compressor and prevent hydraulic lockup.
5. The A/C system must be held under vacuum for a minimum of 45 minutes.
6. The fan clutch or radiator fan motor must be checked for proper operation.
7. For applications using an orifice tube or liquid line containing an orifice tube, the orifice tube must be replaced (installation of an orifice tube repair kit can be used).
8. If the system has an expansion device (expansion valve) the technician must replace.
9. A/C system must be flushed with an approved solvent. The only accepted option to flushing is the installation on an in-line filter / or compressor suction screen (as long as the refrigerant oil is not contaminated).
10. Condenser and radiator airflow must be checked for any obstruction or restrictions. Clean and realign bent fins. **The technician may be required to replace the**

condenser in specific applications (refer to compressor literature in box or contact local warehouse for list of applications).

Replacement or repair of the climate control product by Keystone shall be the only remedy available to purchase under this warranty. Keystone shall not be liable for consequential or incidental damages of any kind resulting from the use of these or other products. **The warranty for compressors will be denied, if the previously mentioned conditions, are not followed (Refer to compressor literature in box).**

**RADIATORS

To validate the Complete Radiator, Radiator Core and Heater Core warranties, the following measures must be undertaken. Failure to provide specific and documented proofs of original installation and subsequent replacement will void warranty coverage and the claim will be denied. We recommend following the specific instructions found in the literature or on stickers supplied in component packaging.

1. Cooling system must be properly flushed and filled with new coolant mixture.
2. Recommended coolant mixture should be a 50/50 mix of coolant and water or as recommended by vehicle manufacturer. It is highly recommended to use distilled water and it is mandatory for all aluminum cooling components.
3. All external causes that can lead to electrolysis and/or corrosion must be verified and eliminated.
4. Electrical, electronic, and/or mechanical devices, such as; thermostat, sensors, gauges, sending units, water pump and devices used to monitor and maintain optimal engine temperature, must be verified for proper operation.
5. The installer must use recognized trade methods and procedures.

LKQ shall not be liable for misrepresentation made by third party regarding warranty application and/or coverage, nor does LKQ authorize anyone to substitute itself in lieu of LKQ for representation towards LKQ customers. Only LKQ can authorize and approve warranty claim and its processing according to LKQ policies and procedures.

ALL INCIDENTAL AND CONSEQUENTIAL DAMAGES ARE EXCLUDED FROM THIS WARRANTY. Some states do not allow exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights. You may also have other rights which may vary from state to state.

Revised 01/19 Warranty only Reorder # KK75

INDUSTRIAL AND HEAVY DUTY VEHICLES

LIMITED WARRANTY FOR CLIMATE CONTROL PRODUCTS HEAVY DUTY

LKQ Corporation, and its subsidiaries, including Keystone Automotive Industries, Inc. ("LKQ"), distributes a broad range of new, recycled*, remanufactured and reconditioned* automotive and truck replacement products through its company owned and operated locations. Our climate control line for industrial and heavy duty vehicles includes Radiators, Radiator Cores, Condensers and Charge Air Coolers.

WHAT IS COVERED

LKQ warrants its part to be free of defects in materials and workmanship for the warranty period indicated from the date of installation and for as long as the original retail purchaser owns the vehicle on which the part is installed.

LKQ's sole and exclusive obligation under this warranty is limited to, at LKQ's option, replacement, repair or refund the purchase price. To make a claim, you must provide proof of purchase to your place of purchase, or business which installed the part. In the event that it is determined that the part must be replaced, the original part must be returned to LKQ to obtain the replacement part.

If you are unable to obtain satisfactory service, please contact the LKQ Warranty Department, 655 Grassmere Park Drive, Nashville, TN, 37211. This warranty applies to vehicles registered and normally operated in the United States and Canada.

HD WARRANTY PERIOD

Limited Lifetime Warranty

- Bar & Plate Style Charge Air Cooler
- Bumpers (Peel Warranty)

Limited 36-Month Warranty

- Bolt-On Style Radiators

Limited 24-Month Warranty

- Plastic & Aluminum Radiators - Aftermarket
- Charge Air Coolers
(Excluding Bar & Plate Style which carry a Limited Lifetime Warranty)

Limited 12-Month Warranty

- Bezels
- Complete Industrial or HD Radiator*
(Excluding Bolt-On Style Radiators which carry a 36-Month Warranty and Aftermarket Plastic & Aluminum)

Limited 12-Month Warranty (cont'd)

- Condensers
- Compressors*
- DPF - Diesel Particulate Filters & DOC - Diesel Oxidation Catalysts
- EGR's - Exhaust gas Recirculation Coolers
- Evaporators
- Fan Shrouds
- Filter Driers
- Grilles
- Heater Cores
- Headlamps
- Hoods
- Hose Assemblies
- Oli Cooler
- Radiator Cores
- Turbochargers
- Surge Tanks

*Recycled parts and reconditioned parts carry a 6 month/6,000 mile warranty.

WHAT IS NOT COVERED

Because this warranty applies to defects in materials and workmanship, it does not apply to normal worn parts, damage resulting from road hazards, gravel, debris, adjustments or damage caused by misuse, neglect, accident, abnormal operation, improper installation, conditions that cause failure to the vehicle's warning device, or alteration or removal of the parts. Warranty does not include cost associated with part removal, installation, inconvenience or consequential damages.

LKQ'S WARRANTY COVERAGE VALIDATION FOR CLIMATE CONTROL PRODUCTS - INDUSTRIAL AND HEAVY DUTY VEHICLES

To validate the above warranty coverage, the following measures must be undertaken upon replacement of Complete Radiators, Radiator Cores and/or Charge Air Coolers. Failure to provide specific and documented proofs of original installation and subsequent replacement will void warranty coverage and the claim will be denied. We recommend following the specific instructions found in the literature or on stickers supplied in component packaging.

1. Cooling system must be properly flushed and filled with new coolant mixture.
2. Recommended coolant mixture should be a 50/50 mix of coolant and distilled water or as recommended by vehicle manufacturer. It is highly recommended to use distilled water and it is mandatory for all aluminum cooling components.
3. All external causes that can lead to electrolysis and/or corrosion must be verified and eliminated.
4. Electrical, electronic, and/or mechanical devices, such as; thermostat, sensors, gauges, sending units, water pump and devices used to monitor and maintain optimal engine temperature, must be verified for proper operation.
5. The installer must use recognized trade methods and procedures.

LKQ shall not be liable for misrepresentation made by third party regarding warranty application and/or coverage, nor does LKQ authorize anyone to substitute itself in lieu of LKQ for representation toward LKQ customers. Only LKQ can authorize and approve warranty claim and its processing according to LKQ policies and procedures. Replacement or repair shall be the only remedy available to a purchase under this warranty.

ALL INCIDENTAL OR CONSEQUENTIAL DAMAGES ARE EXCLUDED FROM THIS WARRANTY. Some states do not allow exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights. You may also have other rights which may vary from state to state.



**YOUR FULL-LINE DOMESTIC & IMPORT
AUTO / TRUCK PARTS SUPERSTORE**



OEM Recycled • Aftermarket by Keystone

Reorder # KK02 Revised 03/19