



PARTS ALERT

SKF

SKF SEAL SALE!

Sale Details:

Hino and SKF are offering up to 9% off DNP on seals!

How to Obtain the Special Pricing?

Simply place your order(s) in Hino DCS to get the sale offering. As parts are added to an order, the percent off regular DNP will be displayed. You will be invoiced at the sale price automatically.

What Parts are Included in this Sale?

- ✓ Plus XL Seals
- ✓ Classic Seals
- ✓ Hub Cap Seals Bulk (Case or Barrel qty)

Scroll to the next pages to see the applicable percent off DNP for each part!

Why Replace a Seal?

As the heart of any rotating machine, bearings must be protected. That protection requires the appropriate seal, running on a smooth, damage-free shaft counter face, to prevent the passage of contaminants and lubricant. Maintaining a carefully controlled seal counter face enables maximum bearing service life, optimum productivity and a better bottom line.

TO:

Dealer Principals
Parts Managers
General Managers
Parts Sales

BULLETIN: PA-2016-042
DATE: 05-01-2016
EXP: 07-31-2016

Offer Valid: 5-1-2016 until 7-31-2016



Quest for the Cup & Added Rewards:

On top of this competitive pricing, your All-Makes purchases earn you one step closer to winning the prizes from the [Quest for the Cup](#) Program! Hino dealers will also be eligible to acquire [Added Rewards](#) points on their All-Makes & Accessories purchases.

Hino Trucks reserves the right to make changes, including change in price, content, description, terms, time period, etc. at any time without notice.



Hino Trucks National PDC
Phone: (866) 372-4466 | Fax: (662) 342-5151
E-Mail: helpdesk@hino.com



PARTS ALERT

SKF Seals On Sale

Part Number	Description	Discount %
SK-35058	Plus XL	6.50%
SK-46300	Plus XL	6.50%
SK-42627	Plus XL	6.50%
SK-43761	Plus XL	6.50%
SK-47697	Classic	9.00%
SK-35066	Classic	9.00%
SK-46305	Classic	9.00%
SK-38780	Classic	9.00%
SK-28758	Classic	9.00%
SK-1343B-100	Hub cap barrel	7.50%
SK-1399B-75	Hub cap barrel	7.50%
SK-1612B-100	Hub cap barrel	7.50%
SK-1643B-100	Hub cap barrel	7.50%
SK-1644B-100	Hub cap barrel	7.50%
SK-1696B-75	Hub cap barrel	7.50%
SK-1343-C24	Hub cap case of 24	6.50%
SK-1612-C24	Hub cap case of 24	6.50%
SK-1643-C24	Hub cap case of 24	6.50%
SK-1644-C24	Hub cap case of 24	6.50%



Each barrel contains:

- 75-100 bulk packed hubcaps with gaskets and (6) 453963 fastening bolts
- Packaged individually in heavy duty plastic
- 16" x 16" SKF product decal



Each case contains:

- 24 hubcaps with gaskets and fastening bolts



Vendor:

SKF & Krown Products

As the world leader in bearing technology for over a century, SKF has developed a unique understanding of rotating equipment and how machine components and industrial processes are interrelated. Today SKF provides a wide range of technologies and products to OEM and aftermarket customers around the world, in every major industry, at each phase of the asset lifecycle.

SKF now offers "Krown" Products - Corrosion Inhibitor, Fast Acting Penetrant, Salt Eliminator and Chain Lubricant. Each product is available in 1 gallon, 5 gallon and 55 gallon drums, as well as in an easy-to-apply aerosol container. Additionally, a point of purchase display offers a visually appealing way to display the product offering. It holds 48 aerosol product containers, 12 each of the Corrosion Inhibitor, Fast Acting Penetrant, Salt Eliminator and Chain Lubricant. Krown also offers Heavy Duty Pressure Wash, Alumabrite, Power Klean, and Known Wash to wash and clean the body, engine and undercarriage of heavy duty vehicles. Additionally, SKF offers cleaning tools including foam guns, spray rods, pumps, spray guns, drop-in fluid pumps, rubber water lines and small and large portable cleaning systems.

Hino Parts Support Phone: 866-372-4466
Hino Parts Support Email: helpdesk@hino.com
Hino Parts Support Fax: 662-342-3939
SKF Phone: 1-800-882-0008
SKF Email: VSM.Aftermarket.CustSrv@skf.com
SKF E-Catalog: <http://www.skf.com/us/products/vehicle-aftermarket/catalogs/e-catalogs/index.html>
SKF Literature: <http://www.skf.com/us/products/vehicle-aftermarket/catalogs/publications/index.html>

Vendor Information

Customer Service & Technical Support

Order Procedures:

Stock Orders Enter orders in DCS Screen DC202 under Sales Type "S". All direct ship items will be shipped from a local Vendor PDC.

Emergency Orders Emergency orders may be entered into DCS screen DC202 as a Sales Type "E" or "V". All emergency orders will be processed with a "rush" order. Freight and Handling fees will be identified on the Hino invoice.

Minimum Order Quantity There is no minimum order requirement on emergency or stock orders.

Freight Policy:

Orders under \$900 ships freight pre-paid and added to the invoice. SKF freight is prepaid on orders of \$900.00 or more of combined products; all backorders prepaid within the Continental United States. All orders are shipped from Crossville, TN unless otherwise specified. All orders will be shipped via the most efficient method.

Free Freight Policy:

All stock orders over \$900.00 of combined products will include prepaid freight; all backorders prepaid.

Order Fulfillment Policy:

The standard order processing time is 5 business days from date of order placement.

Part Number Pricing:

Pricing will be available on-line in the Hino DCS system. In addition, the prices will be forwarded to your service bureaus within two weeks of each pricing update.

Format:

Standard Part numbers are directly carried over with a prefix of "SK-".

Mega Fleet:

All-Makes parts are not included in the Hino Mega Fleet pricing file but should be sold to Mega Fleet customers and filed as Miscellaneous Items in Corcentric when submitting for reimbursement.

Warranty:

Please view Vendor warranty documents as warranty varies based on item. Contact vendor directly.

Returns:

Contact vendor directly to obtain a Return Goods Authorization code by phone number or email address listed above. All returned items MUST have prior approval and the Return Goods Authorization (RGA) marked on the outside of the box. RGAs have an expiration date of sixty (60) days; after sixty (60) days the return will become null and void. SKF stock adjustment policy is 3% of previous years net purchases with a 10% handling charge. The 10% handling charge is waived for utilizing the SKF VMI (Vendor Managed Inventory) program. A & B classified items are not returnable. Stock adjustments require SKF authorization and an offsetting order of equal value. All returns must be completed by October 15th.

Shipping Inspection and Damaged Product:

All merchandise should be inspected upon arrival and carrier damage claims should be filed with the carrier immediately. We are not responsible for, nor are we in a position to make a claim after the freight carrier accepts the shipment from us. For excess stock returns, contact the Vendor directly.

Vendor Cross Reference Web Site:

www.vsm.skf.com

Conclusion:

SKF is a trusted engineering partner and component supplier to every major truck manufacturer, and they continue to win industry awards and accolades from our customers. And thanks to a world-class logistics network, we're helping our distributor partners answer aftermarket demand for premium products and expert technical support.

PA-2013-060
12-16-13 11.17.AM

Krown® point of purchase display



Part # KA1582 comes with:

- 1 graphic display rack
- 12 aerosol cans of Corrosion Inhibitor
- 12 aerosol cans of Penetrant
- 12 aerosol cans of Salt Eliminator
- 12 aerosol cans of Chain Lubricant



- Ships pre-stocked with product and sets up in less than two minutes
- Attractive graphics to capture customer interest and help create impulse purchases
- Increase your profits while brightening your customer service area or parts department with the attractive POP display



Corrosion Inhibitor
Part # KA71400-12

Krown Corrosion Inhibitor is formulated to help control corrosion in the most damaging of environments. Unlike many competitive products, this rust inhibitor contains no solvents which are hazardous to the environment, dangerous to the user and damaging to paint, plastic and rubber.

Uses

- Battery terminals, starter wires, pin connectors, weather packs
- Protects the body, chassis, dump beds, salt spreaders, plow attachments
- Moving parts, locks, live bottom chains, salt spreader chains, 5th wheel plate

Features

- Dielectric strength 50kv, safe on all electrical
- Solvent free
- Actively displaces moisture
- Food grade approved throughout North America
- Effective in high and low temps
- Remains active despite washing or road wash



Fast Acting Penetrant
Part # KA51400-12

Krown Fast Acting Penetrant will rapidly penetrate and loosen seized and rusted parts. This product is a solvent-free penetrant, which means the product remains on surfaces, lubricating and protecting from rust.

Uses

- Locks and key cylinders
- Hinges (doors/trucks/latches)
- Battery terminals/plug-ins
- Chains, brake cables, power antennas
- Sliding doors & windows
- Tracks on garage doors

Features

- Allows for repair and maintenance without concern of contamination
- Safe for use with all metals and electrical systems
- Fast, effective penetrating action outperforms other food approved penetrants
- Breaks through rusted and seized parts for easy teardown
- Food grade approved throughout North America



Salt Eliminator
Part # KA1198-12

Krown Salt Eliminator is a very unique, equipment saving, protection product that makes the difficult task of salt removal easy. This proprietary formulation not only dissolves salt much more quickly, but also breaks the bond between chloride and metal while preventing the reforming of these salts after cleaning is complete.

Uses

- Heavy duty vehicles & machinery wash
- Cars, trucks, vans, buses, bikes, etc.
- Plastic, rubber and vinyl
- Carpet, upholstery and leather

Features

- Easily rinses to a beading, waxy finish
- Removes even heavy salt build up
- Reduces surface rust
- Designed for heavy duty applications
- Can be used in any wash system
- Contains no solvents, NPEs or VOCs



Chain Lubricant
Part # KA63400-12

Krown Chain Lubricant is a solvent-free product designed to substantially enhance chain life while reducing wear and friction. Safe for self-lubricating chain, it will reduce corrosion and help to keep debris from sticking and causing costly repair and downtime. Engineered for high-heat applications.

Uses

- Roller chain
- Large and small pitch chain
- Conveyor chain
- Wire rope
- High heat chain
- Open gears

Features

- Food grade approved throughout North America
- Extreme resistance to wash out
- Reduces noise, wear and downtime
- Excels in harsh environments such as heavy load, high speed and high contamination
- Contains no solvents and no heavy metals such as molybdenum or graphite



SKF part no.	UPC number	Description
KA1010	00629196010107	50' Fluid Line Set
KA1014	00629196010145	Enviro Wash, 5g
KA1017-4	00629196010176	Enviro Wash, 1g
KA1022	00629196010220	Small Pot System
KA1047	00629196010473	Spray Rod Set
KA1073	00629196010732	Large Pot System
KA1100	00629196011005	Enviro Wash, 55g drum
KA1158	00629196011586	Foam Soap Gun Applicator
KA1172	00629196011722	Fluid Spray Gun
KA1181	00629196011814	Fluid Spray Undercoating Gun
KA1198-12	00629196011982	Salt Eliminator Aerosol, 400g
KA1199-4	00629196011999	Salt Eliminator, 1g
KA1200	00629196012002	Salt Eliminator, 5g
KA1201	00629196012019	Salt Eliminator, 55g drum
KA1202	00629196012026	Power Kleen, 55g drum
KA1203	00629196012033	Power Kleen, 5g
KA1204-4	00629196012040	Power Kleen, 1g
KA1225-4	00629196012255	Alumabrite, 1g
KA1226	00629196012262	Alumabrite, 5g
KA1227	00629196012279	Alumabrite, 55g
KA1301	00629196013016	Heavy Duty Pressure Wash, 5g
KA1302	00629196013023	Heavy Duty Pressure Wash, 55g drum
KA1303-4	00629196013030	Heavy Duty Pressure Wash, 1g
KA1582	00629196015829	Point of Purchase Pre Pack
KA3000	00629196030006	Drop In Fluid Pump
KA3062	00629196030624	Drop In Fluid Pump Set (inc. KA3000, KA1172, KA1010, KA1047, KA1181)
KA51400-12	00629196514001	Solvent Free Penetrant, KP53, 400g
KA54004-4	00629196540383	Solvent Free Penetrant, KP53, 1g
KA54020	00629196540208	Solvent Free Penetrant, KP53, 5g
KA63004-4	00629196630046	KLFSM Extreme Duty Chain Lube, 1g
KA63020	00629196630206	KLFSM Extreme Duty Chain Lube, 5g
KA63205	00629196632057	KLFSM Extreme Duty Chain Lube, 55g drum
KA63400-12	00629196634006	KLFSM Extreme Duty Chain Lube, 400g aerosol
KA71400-12	00629196714005	Corrosion Inhibitor KL73, 400g aerosol
KA74004-4	00629196740387	Corrosion Inhibitor KL73, 1g
KA74020	00629196740202	Corrosion Inhibitor KL73, 5g
KA74205	00629196742053	Corrosion Inhibitor KL73, 55g drum

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SKF



SKF Product Overview and Support Materials

Presented by Tom Smego – Director of Sales



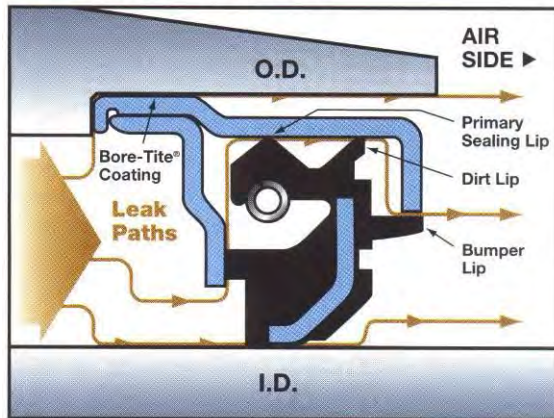
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SKF Product Offering

Scotseal Classic / Scotseal Longlife



Scotseal® Classic



Unitized, one piece design

Three sealing lips

- Spring loaded primary sealing lip
- Dirt exclusion lip
- Outer bumper lip

Factory pre-lubed

Metal-to-metal O.D. pressfit

Metal-to-metal I.D. pressfit

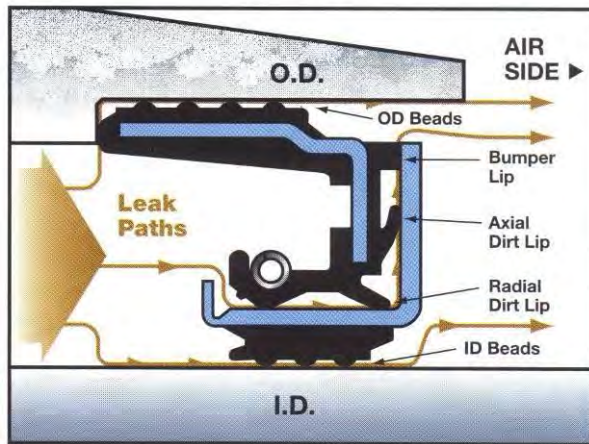
Bore-tite O.D. sealant

Hub installed using Scotseal tools

Scotseal PlusXL



Scotseal® PlusXL



Unitized, one piece design

Four sealing lips:

- Spring loaded primary sealing lip
- Waveseal lip technology
- Radial dirt lip
- Axial dirt lip
- Outer bumper dirt excluder lip

Factory pre-lubed

Rubber-to-metal O.D. and I.D. contact

No special tools required

Scotseal installation tools



Scotseal Installation Tools
No Charge to the installer



SKF®

SKF bearings

SKF tapered bearing sets engineered and manufactured to the highest quality standards

Precision engineering enables SKF tapered bearings to be easily adjusted on clearance or fit between the cup and cone assembly

SKF tapered bearing sets greatly reduce friction and increase load carrying capabilities



SKF Tapered Bearing Sets

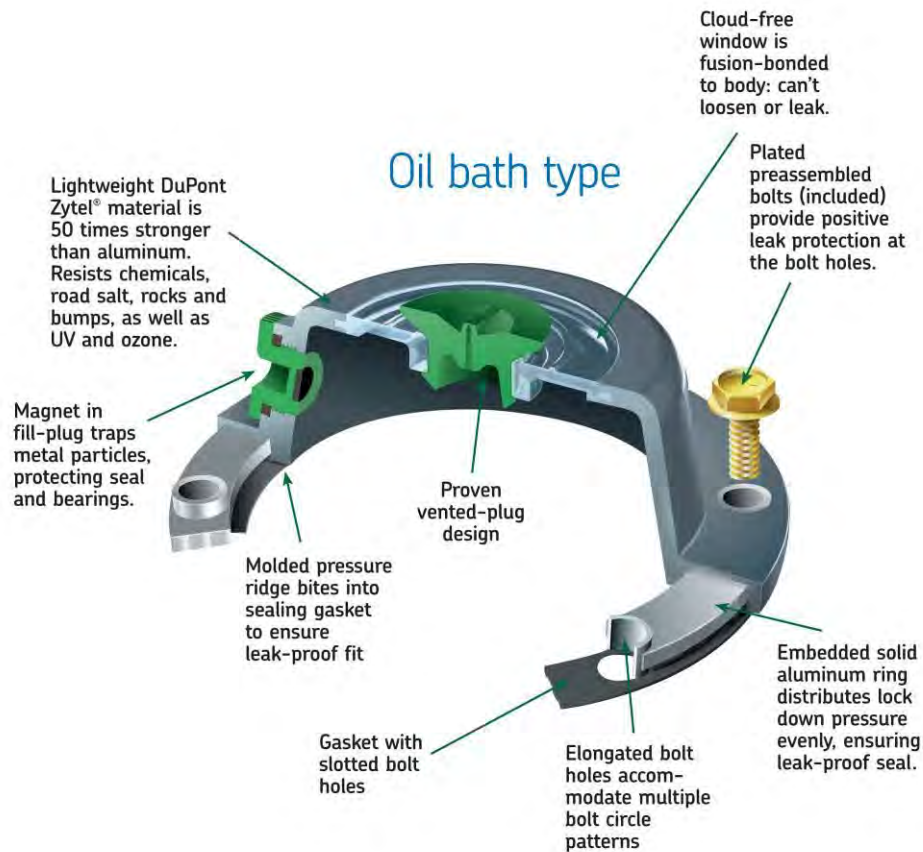
- SKF Tapered Bearing Sets are engineered and manufactured to the highest quality standards. Their design and superior materials provides a significant increase in operational reliability under heavy loads and misaligned conditions.
- Precision engineering enables SKF tapered bearings to be easily adjusted on clearance or fit between the cup and cone assembly.
- SKF Tapered Bearing Sets greatly reduce friction and increase load carrying capabilities. Each set contains a precision matched cup and cone that are specifically designed to maximize bearing performance and life. SKF Bearing Sets:
 - Help the installer do the job right
 - Ensure longer bearing life
 - Help prevent premature failure
 - Increase truck and trailer uptime
 - Available for all popular applications
- Easy to use part numbering system. See reverse side for part number information and competitive interchanges.
- SKF offers a full range of products for the Heavy Duty aftermarket, including the very popular wheel seal, Scotseal® Classic, Scotseal® PlusXL and Scotseal® Longlife. Simply contact your distributor or sales representative for further information.

Increase your fleet uptime and eliminate premature wheel-end component failures by installing precision engineered SKF Tapered Bearing Sets.

Install confidence



SKF hubcaps (DuPont Zytel material)



Oil system hubcaps

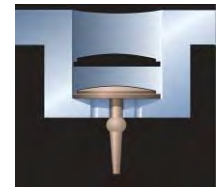
Grease system hubcaps

PSI System hubcaps



SKF Hubcaps

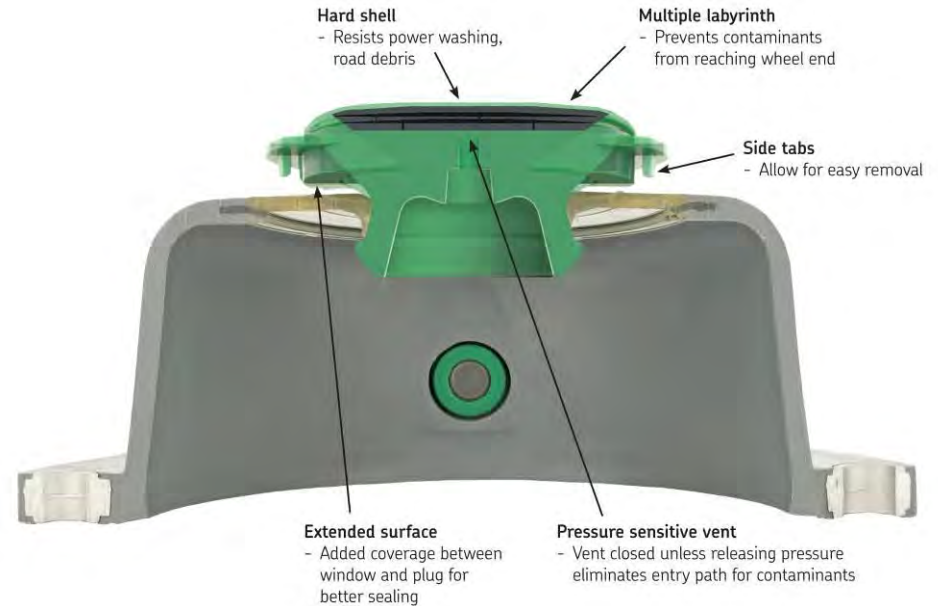
- Oil Bath applications
- Grease system applications
 - Semi-Fluid Grease
 - “New” Hubcaps with windows
- Stamped Steel hubcaps
- PSI System Hubcaps
 - Meritor Tire Inflation Systems
 - Oil and Grease versions
- New Splash Guard Hubcaps
- Available in Barrel Quantities



SKF Splash Guards

SKF TF Hubcaps with Splash Guard technology is a contaminant exclusion system that provides extra splash protection.

The Splash Guard protects the wheel end from water ingestion caused by high pressure washer spray and wheel end submersion



SKF hubcap barrel program



100 hubcaps per barrel

(75 per barrel for P/N's: 1399B, 1696B and 1696b-SG)

- Hubcap, gasket, centerfill plug, side-fill plug, gasket and bolts packaged in a plastic bag

Merchandising signage

- 16"X16" SKF Features & Benefits Logo Sticker

Ten Barrel part numbers available

- 1343B Trailer Axle Grease
- 1399B Trailer Pro-Par Axle (grease)
- 1612B Steer Axle (oil) - black
- 1612B-SG Steer Axle (oil) – black w/splashguard
- 1643B Trailer Axle (oil)
- 1643B-SG Trailer Axle (oil) w/splashguard
- 1644B Trailer Axle (oil) – black
- 1644B-SG Trailer Axle (oil) – black w/splashguard
- 1696B Trailer Axle Pro-Par axle (oil)
- 1696B-SG Trailer Axle Pro-Par axle (oil) w/splashguard

Sales Support



Scotseal TF Hubcaps

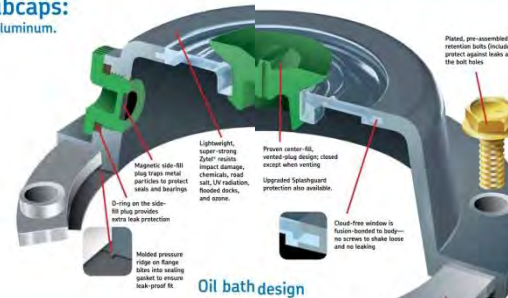
Heavy duty durability and dependability from the wheel-end experts at SKF.

SKF Scotseal TF Hubcaps:

Lighter than steel. Tougher than aluminum.

- Heavy duty durability
- Oil bath and grease-packed designs
- Compatible with all popular oils and greases including the latest synthetics
- Approved by all major OE truck and trailer manufacturers with growing number installing them as standard equipment
- Will run well over 450,000 maintenance-free miles
- Exclusion technology with multiple barriers protects seals and bearings from outside contamination

Knowledge engineering by SKF
There are other hubcaps on the market, but none providing better wheel-end protection than Scotseal TF Hubcaps. Check the special features shown here, each designed to protect your wheel end components, and extend the service life of bearings and hub units. For well over a decade, TF Hubcaps have helped fleets log literally billions of trouble-free miles. But what else would you expect from the company that has led the way in advanced bearing and seal technologies for 100 years.



Other popular SKF hubcap designs



Scotseal® Stamped Steel
Zinc-plated and protected with weather-resistant armor to resist rust and rough wear. Available in 3- to 8-bolt designs.

Scotseal Leman®
Lightweight, molded design handles harsh conditions; sealed models offered for grease-packed systems. Available for oil and grease pre-pac applications.

SKF Scotseal TF hubcaps equipped for P.S.I.

The SKF hubcap line just got stronger! You can now equip your trailers with the SKF Scotseal TF hubcaps you prefer. SKF hubcaps equipped for P.S.I. incorporate the same durable and leak-proof technology you count on from the SKF Scotseal TF hubcaps.
Four new SKF hubcaps are compatible with the Meritor® Tire Inflation System (MTIS) by P.S.I., an automatic tire inflation system (ATIS). The system increases tire life, fuel efficiency and vehicle productivity.

SKF Splashguard

Upgraded vent system and protection



SplashGuard center plug is available in green and black & white.	Standard center plug	SplashGuard center plug
Green	450434	450439
Black	453807	450438
Display (5 sets each)		454220
Display (12 sets green)		454225
Display (12 sets black)		454226

SKF Rebuild Kits for PreSet hub assemblies

SKF and ConMet partnership

- SKF ScotSeal PlusXL standard since 2002
- SKF half stand bearings approved in 2007
- ConMet and SKF jointly develop Rebuild kit for PreSet in 2007

SKF introduced SKF Rebuild Kit for PreSet hubs in 2008

- Endorsed by ConMet



About the SKF Rebuild kit for PreSet hubs



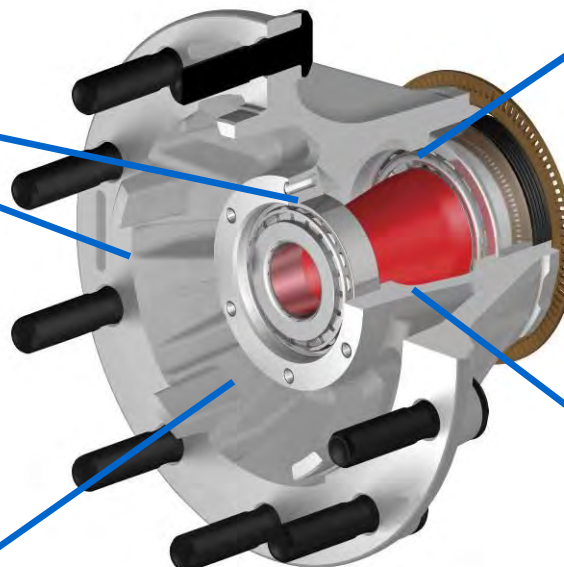
(2) Half stand tapered bearing sets



Scotseal PlusXL



TF Hubcap



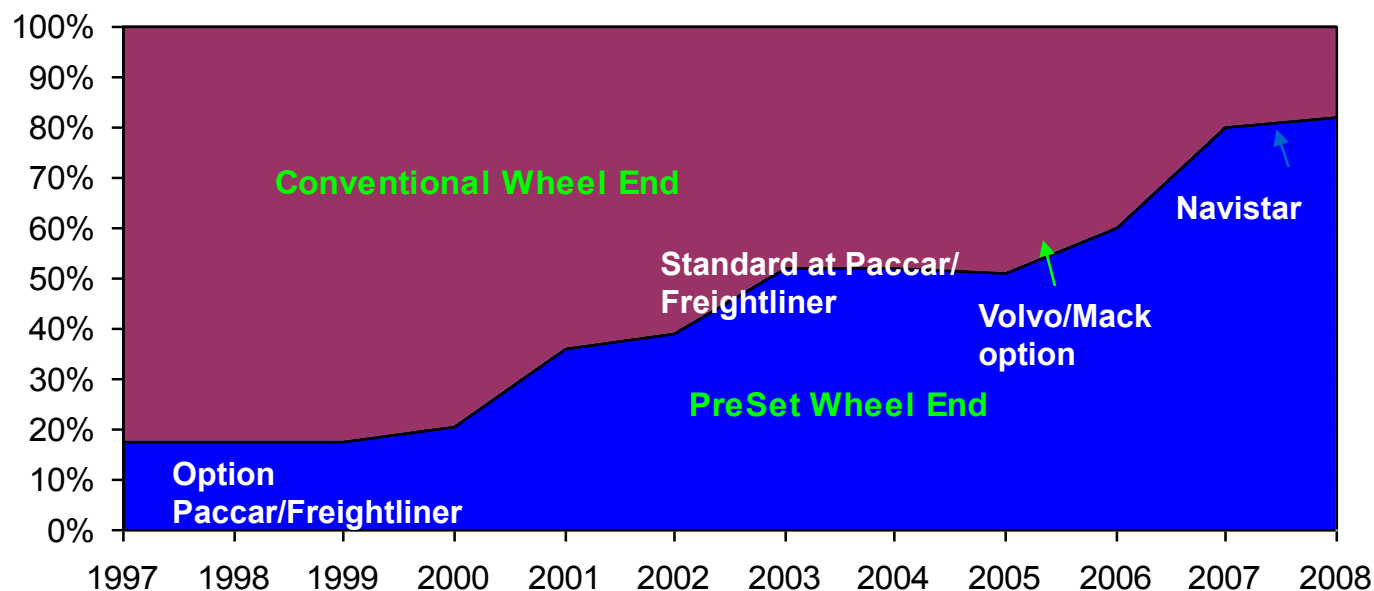
Precision machined PreSet Bearing spacer

Which vehicles have PreSet? ...

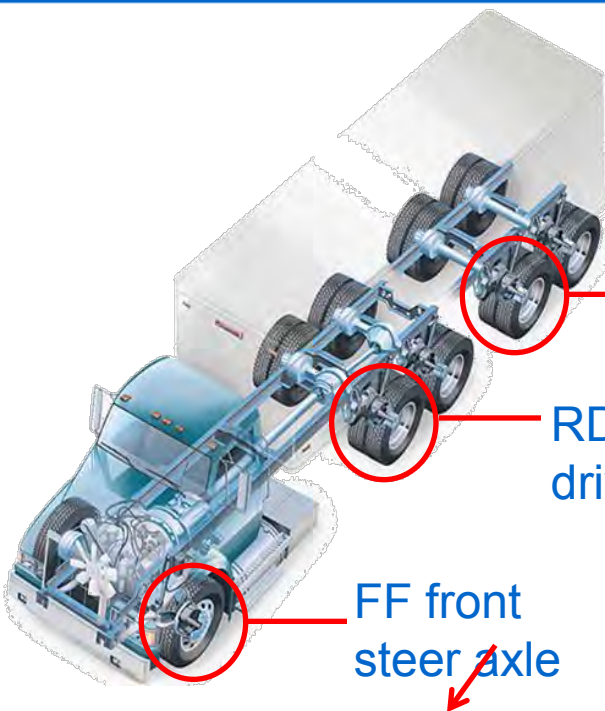
- ConMet PreSet hubs now dominate new truck builds
- Scotseal PlusXL has been standard since 2002
- SKF Half Stand Bearings approved in 2007 by ConM



Wheel End Trend - ConMet Effect



SKF Rebuild kit for PreSet hubs



TN or TP
trailer axle

RD rear
drive axle

FF front
steer axle

Front steer axles

FF front steer axle

Complete rebuild kit*	FFSK1
Scotseal PlusXL	.35058
Inner half stand bearing set	Set427
Outer half stand bearing set	Set 428
Scotseal TF oil bath hubcap	.1612

Trailer axles

TN trailer axle

Complete rebuild kit (oil bath)*	TNSK1
Scotseal PlusXL	.46300
Inner half stand bearing set	Set431
Outer half stand bearing set	Set427
Scotseal TF oil bath hubcap	.1643

Complete rebuild kit (grease)*

	TNSK2
Scotseal PlusXL	.46300
Inner half stand bearing set	Set431
Outer half stand bearing set	Set427
Scotseal grease hubcap	.1343

Drive axles

R drive axle long and short barrel

Complete rebuild kit (low profile seal)*	RDSK1
Scotseal PlusXL	.47691
Inner half stand bearing set	Set429
Outer half stand bearing set	Set430

Complete rebuild kit (standard profile seal)*

	RDSK2
Scotseal PlusXL	.47692
Inner half stand bearing set	Set429
Outer half stand bearing set	Set430

New SKF Drivetrain Kit Program

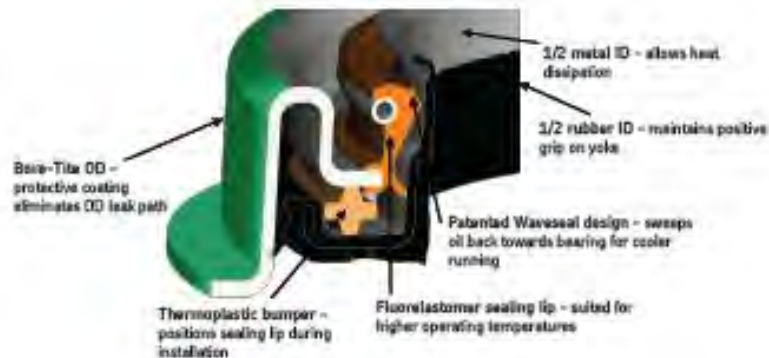
- SKF offers an improved Differential and Transmission rebuild kit programs for both light duty and heavy truck. A new offering of Transfer Case rebuild kits for light duty applications is also now available
- SKF kits include high quality bearings and seals with matching cones and cups for all bearing sets
- Form fitting gaskets, silicone sealant and necessary hardware are also provided
- All kits have been reviewed to supply the most extensive coverage for popular applications—sales review was conducted and kits with low activity were obsoleted



SKF Unitized Pinion Seal

Unitized Pinion Seal

- Patented Waveseal design allows seal to run cooler/sweeps oil back to bearings
- Unitized design protects yoke surface from wear and grooving caused by seal lip contact
- One piece installation eliminates need to stock or install wear sleeve



SKF Unitized pinion seals

Fluorelastomer sealing lip handles the high temperatures of the pinion application

Patented Waveseal design allows seal to run cooler/sweeps oil back to bearings

1/2 Rubber and 1/2 Metal ID - Rubber maintains positive grip and prevents leak path; Metal allows heat dissipation

Unitized design has many benefits: Wear sleeve contained within seal providing optimal sealing interface; Protects yoke surface from wear and grooving caused by seal lip contact; One piece installation eliminates need to stock or install wear sleeve; Internal labyrinth design with multiple dirt lips prevents ingress of contamination

The sealant across the Bore-Tite OD provides sealant eliminating leak paths

The bumper ensures proper seal position during installation thus promoting error-free installation and decays load resulting in minimum torque loss and cooler operation

Error free installation & reduces temp at the sealing lip, extending life

SKF Vehicle Service Market North America
890 N. State St., Suite 200
Bryn, IL, 60123
1-800-882-0008 • www.skfusa.com

Unitized Pinion Seal

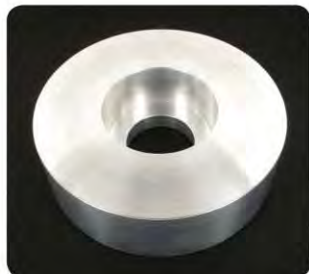
SKF unitized	Axles	Position	Interchanges					Bore	Yoke shaft
			Arvin Meritor No.	National no.	Stemco no.	SKF DL	SKF grease		
32500	14X/16X/18X/38X	F-R UI (FUI)*	A1205R2592 A11205X2728	100494	429-0007	32385	32397	4.249	3.250
30008	14X/16X	F-R UO (FUO)*	A1205P2590 A11205Y2729	100495	429-0005	30007	29867	3.751	3.000
30009	14X	R-R UI (RUI)*	A1205N2588 A11205Z2730	100263	429-0010	30153	30145	4.936	3.000
32503	16X/18X	R-R UI (RUI)*	A1205Q2591 A11205A2731	100557	429-0011	33254		5.501	3.250

* F-R UI - Forward-Rear Unit Input (FUI)

F-R UO - Forward-Rear Unit Output (FUO)

R-R UI - Rear-Rear Unit Input (RUI)

One tool installs all four part numbers



PT6000 tool installs all SKF unitized pinion seals

SKF Air dryer product line

	New! HC Dual Turbo-2000	Std Dual Turbo-2000	Turbo-2000	HD-2000	Turbo-3000	Turbo-AC
Maximum compressor duty cycle	40%	100%	40%	40%	15%	20%
Maximum compressor size	80 scfm	40 scfm	30 scfm	30 scfm	15 scfm	15 scfm
Inlet/Outlet port size	3/4 in.	3/4 in.	1/2 in.	1/2 in.	1/2 in.	1/2 in.
Governor controlled	Yes	No-timer controlled	Yes	Yes	Yes	Yes
Options available						
Filtration Plus	Standard	Standard	Available	Available	Available	Available
Discharge Line Unload	Available	Available	Use HD-2000	Standard	Available	Available
Purge Tank	Required-available	Not required	Required-available	Required-available	Not required	Not required
Muffler	Available	Available	Available	Available	Available	Available
Suitable applications	2010 buses, Logging trucks, bulk unloaders	Transit, Refuse	Refuse, Mixers, Maintenance of Way equipment	Discharge Line Unload or naturally aspirated compressors	Over the road, AG	Gravel trucks



Vocational Matrix

Vocational Matrix

Applications	Turbo-2000	Turbo-3000	HD-2000	Turbo-AC	Dual Turbo-2000	H.C. Dual Turbo-2000
Linehaul tractor/trailer	X	X	X**	X	X	X
City pickup/delivery/emergency rescue	X	X	X**	X	X	X
On-off highway/construction/mining	X	X*	X**	X*	X	X
Concrete mixer	X		X**		X	X
School bus	X		X**		X	X
Refuse - residential	X		X**		X	X
Bus - travel coach	X		X**		X	X
Bus - city transit	X		X**		X	X
Yard spotter/yard jockey	X		X**		X	X
Fire truck	X				X	X
Small bus/RV	X	X*		X*	X	X
Air over hydraulic brakes	X	X		X	X	X
Central tire inflation					X***	X***
Pump-off trailer (engine mounted compressor)					X***	X***

Operating parameters						
Maximum compressor duty cycle	40%	15%	40%	20%	100%	40%
Maximum compressor size	30 CFM	15 CFM	30 CFM	15 CFM	40 CFM	80 CFM



Duty Cycle: Percent of time compressor is delivering air

* Max allowable braked axles=5

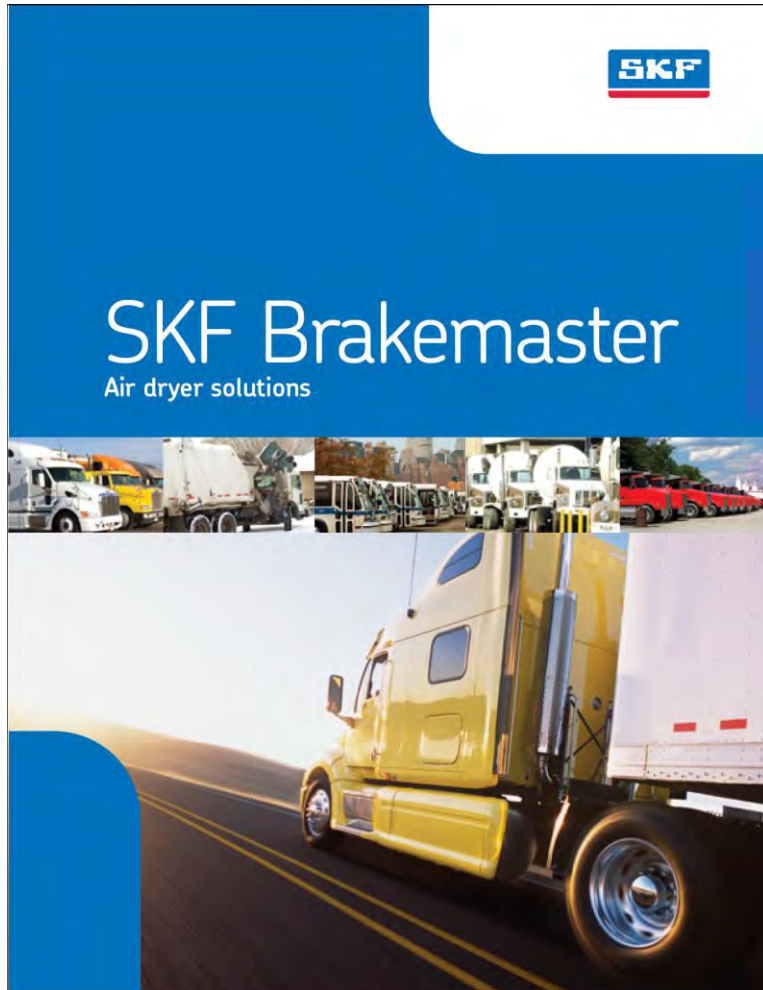
** For naturally aspirated compressors or DLU (Discharge Line Unload) air systems only

*** Dual dryer application, call for installation details

Note: Filtration Plus option available on Turbo-2000 and HD-2000 air dryers

Sales literature

Full product brochure #457969



October 30, 2007 © SKF Group Slide 21

Dual Flyer #457805



AIR DRYERS

Dual Turbo-2000

Not just heavy duty ... double duty!

SKF dual air dryers are designed to perform where conventional, single canister air dryers cannot adequately meet air demands. And now with two dual air dryer options, SKF can meet the increased air demands of today's transit and fleet vehicles.

Complementing the success of the Dual Turbo-2000, the SKF High Capacity (H.C.) Dual Turbo-2000 air dryer is ideal for large compressor output applications and is available in 12V 75W (6.6 amps) and 24V 75W (3.2 amps) options. Additionally, it can withstand compressor air flow output of up to 80 scfm and up to 40 percent compressor duty cycle – the standard Dual Turbo-2000 withstands up to 40 scfm and 100 percent compressor duty cycle.

- Proven effective by the country's largest and most severe-use municipal fleets.
- Keeps air system clean, keeps air capacity high – even in the most severe use situations.
- Integrated filtration system removes compressor blow-by before entering desiccant cartridge – protects downstream components.
- Easy to install and service; reduces fleet downtime.



See the reverse side of this flyer to find out which Dual Turbo-2000 air dryer would be best for your application.



SKF®

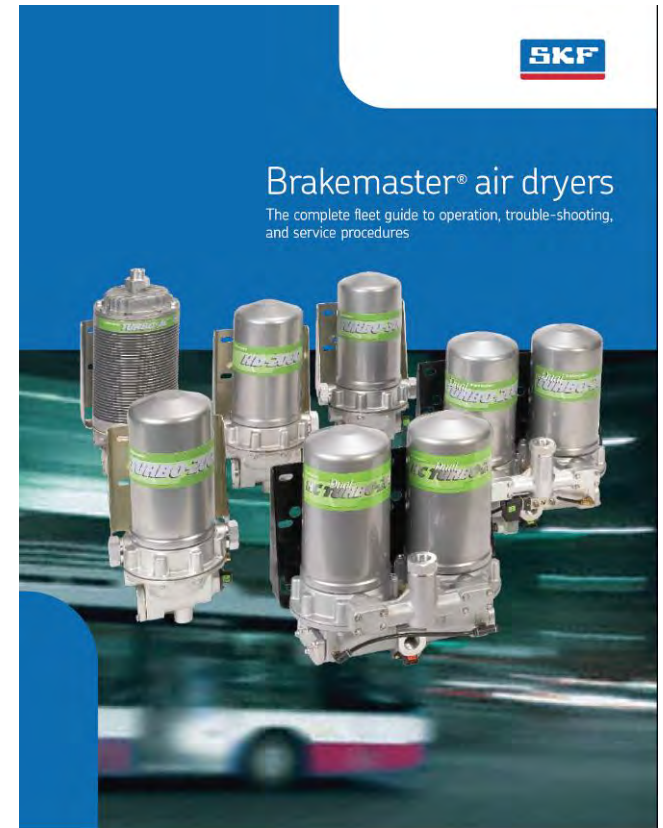
Brakemaster air dryer service manual #457938

Section 1 for each dryer includes:

- Description
- Specifications
- Connection schematic and unit dimensions
- Mounting guidelines

Section 2 for each dryer includes:

- Parts Listing
- Dryer operation explanation (2010 version)
- Service schematic
- Trouble-Shooting
- Service Procedures



Lug Locks – fits 33mm hub mounted wheel nuts

Highly visible triangular hole appears and alerts when the wheel nut starts to loosen

CSA friendly!

- Easy to see indicator hole
- Reduces potential for the wheel nut to back off
- Enables timely and quick re-torques by addressing only nuts in need



Manufactured for rugged conditions

- Produced in US with premium grade polymer
- Resists water, road salt and debris

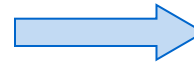
Lowers operating costs

- Easily installs in minutes
- Save valuable time by re-torquing as needed
- Extends tire and wheel end component life
- Avoid expensive down time due to loose wheel nuts



Ordering Options

- 60 count bags – LL33MM – order 1
- 1,200 count retail barrel – LL33MMB – order 1
- Fleet colors are available for 20,000 pc orders



SKF®

SKF 22mm Wheel nuts – MV39702

Two piece Securex® wheel nut by Metform

- OEM approved and preferred
- US Manufactured
- Produced to precise tolerances meeting SAE J1965
- Strong, thru-hardened carbon steel with durable PTFE coating protects against corrosion



Lowers operating costs

- Maintains proper torque on wheel nuts
- Allows tire to run true extending its life
- Helps optimize bearing and seal life

Ordering Options

- 10 count box - MV39702 – order 1
- 300 count pail – MV39702B – order 1

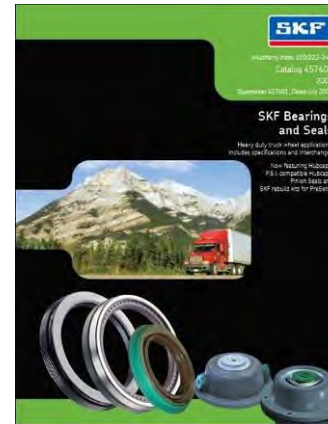


2

SKF Support Materials

Scotseal Support materials

- HD Wheel Application Catalog
- Quick Reference Interchange
- Product Flyer sheets
- Posters
 - Installation
 - Interchange

[illegible]

Sales Support

SKF Tapered Bearing Sets



- SKF Tapered Bearing Sets are engineered and manufactured to the highest quality standards. Their design and superior materials provides a significant increase in operational reliability under heavy loads and misaligned conditions.
- Precision engineering enables SKF tapered bearings to be easily adjusted on clearance or fit between the cup and cone assembly.
- SKF Tapered Bearing Sets greatly reduce friction and increase load carrying capabilities. Each set contains a precision matched cup and cone that are specifically designed to maximize bearing performance and life. SKF Bearing Sets:
 - Help the installer do the job right
 - Ensure longer bearing life
 - Help prevent premature failure
 - Increase truck and trailer uptime
 - Available for all popular applications
- Easy to use part numbering system: See reverse side for part number information and competitive interchanges.
- SKF offers a full range of products for the Heavy Duty aftermarket, including the very popular wheel seal, Scotseal® Classic, Scotseal® PlusXL and Scotseal® Longlife. Simply contact your distributor or sales representative for further information.

Increase your fleet uptime and eliminate premature wheel-end component failures by installing precision engineered SKF Tapered Bearing Sets.

Install confidence



Step 1 Install nut hand-tight on spindle while wheel is still on wheel dolly.

INITIAL ADJUSTING NUT TORQUE	INITIAL BACK OFF	FINAL ADJUSTING NUT TORQUE	BACK OFF			JAM NUT TORQUE		ACCEPTABLE END PLAY	
			AXLE TYPE	THREADS PER INCH	FINAL BACK OFF	NUT SIZE	TORQUE SPECIFICATIONS		
STEP 2	STEP 3	STEP 4	STEP 5			STEP 7		STEP 8	
200 lb / ft (271 N•m) WHILE ROTATING WHEELS	ONE FULL TURN	50 lb / ft (68 N•m) WHILE ROTATING WHEELS	STEER (FRONT) NON-DRIVE	12	* 1/6 TURN	INSTALL COTTER PIN TO LOCK AXLE NUT IN POSITION		.001"-.005" (.025mm-.127mm) AS VERIFIED PER PROCEDURE WITH DIAL INDICATOR	
				18	* 1/4 TURN				
				14	1/2 TURN	LESS THAN 2 5/8" (66.7mm)	200-300 lb / ft (271-407 N•m)		
				18					
			DRIVE	12	1/4 TURN	DOWEL TYPE WASHER	300-400 lb / ft (407-542 N•m)		
				16		TANG TYPE WASHER**	200-275 lb / ft (271-373 N•m)		
			TRAILER	12	1/4 TURN	2 5/8" (66.7mm) and over	300-400 lb / ft (407-542 N•m)		
				16					

* Single adjusting nut

** For single axle (13000-19000 lb capacity) with tang washers consult vehicle manufacturers' specifications.
Note: For single nut self-locking systems consult manufacturers' specifications.



Sales support

- Press release
- AD placements
- Product Flyer
- Counter display
- Featured in HD Pit Crew

Special ConMet Update Edition

HEAVY DUTY PIT CREW NEWSLETTER

SKF® selected to provide industry's only rebuild kit for ConMet® Hub Assemblies

ConMet simplicity. SKF quality. all in one convenient box.

SKF now provides the industry's only all-in-one rebuild kit for ConMet PreSet® hub assemblies. Each SKF pre-set rebuild kit contains everything needed for servicing, including two specifically tighter tolerance bearing sets known as Half Stand, one SKF Scotseal® PlusXL wheel seal, one SKF TF® Hubcap and one precision machined ConMet bearing spacer.

ConMet PreSet Hub Assemblies were introduced in 1997. In 2002, SKF began supplying the Scotseal PlusXL as the primary seal in the PreSet hub assembly. Now that the PreSet units are approaching their first service intervals, SKF has teamed up with ConMet to supply a rebuild kit containing the highest quality and most reliable products available in the aftermarket.

Earn racing prices with each SKF pre-set rebuild kit purchase. Complete the form below and send with your box top(s) to: Heavy Duty Pit Crew Program Headquarters, Premium Redemptions, 1820 Lund Avenue, Elk Grove Village, IL 60007

SKF half stand tapered bearing sets (2)

SKF Scotseal® PlusXL

SKF TF Hubcap

ConMet spacer

CONMET®
Painting the Way®

Is your fleet riding on PreSet® Hub Assemblies?

Now there's an all-in-one rebuild kit from SKF.

For a perfect fit, ask for the kit

SKF half stand tapered bearing sets (2)

SKF Scotseal® PlusXL

SKF TF Hubcap

CONMET®
Painting the Way®

For a perfect fit, ask for the kit.

The only all-in-one rebuild kit for PreSet® Hub Assemblies

CONMET®
Painting the Way®

The only all-in-one rebuild kit for PreSet® hub assemblies



Introducing the SKF rebuild kit for PreSet

ConMet introduced the PreSet hub assembly in 1995. And since 2002, the SKF Scotseal PlusXL has been standard in the wheel-end system. Now that these units are approaching their first service intervals, SKF has worked closely with ConMet to provide the only all-inclusive rebuild kit on the market. SKF rebuild kits contain everything needed for servicing, all in one convenient box. Equip your fleet with PreSet reliability and SKF quality – get the new SKF rebuild kit at your SKF distributor or OE dealer. For more information, visit www.skf.com

CONMET®
Painting the Way®

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SKF TF Hubcap



SKF®

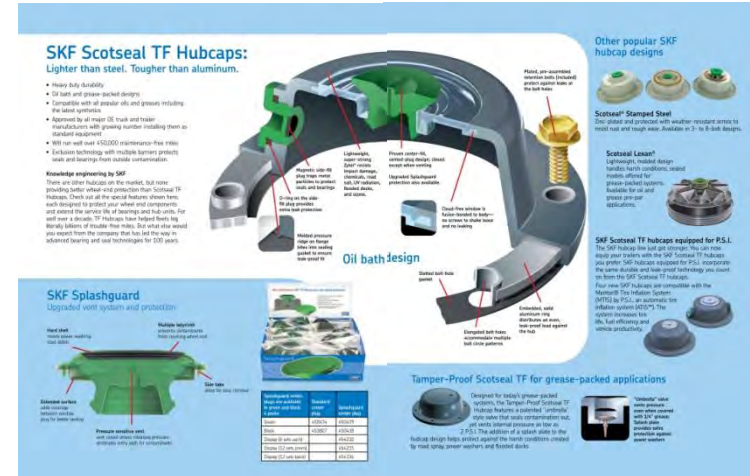
SKF®

Marketing support

Revised Hubcap brochure 457644

New PDF flyer 457521

Point of Sale Counter display

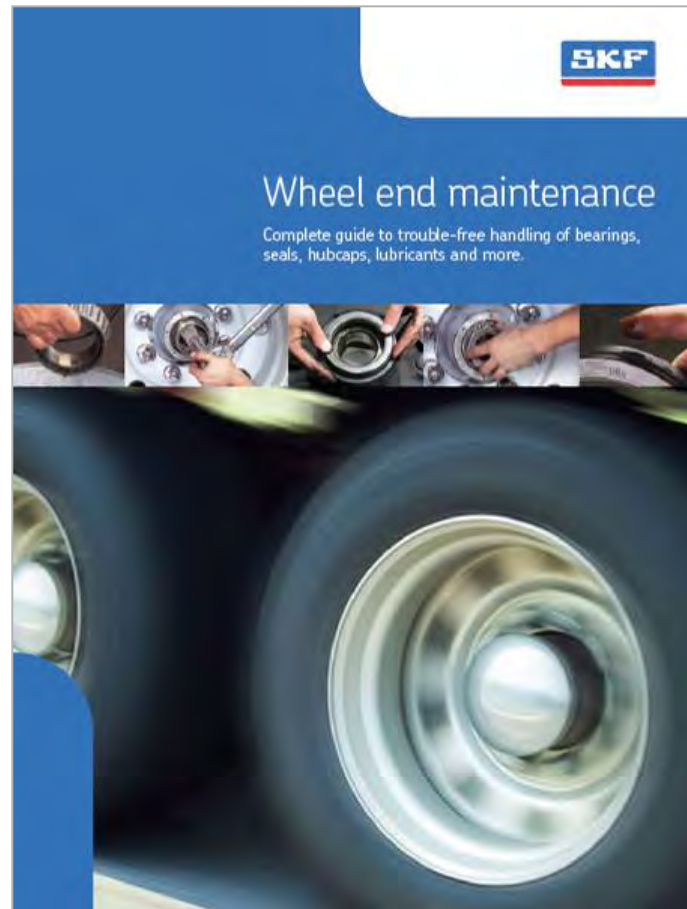


SKF – Trouble-Free Operation (TFO)



Technical resources from SKF

The TFO Wheel End Guide (#457975)



Failure analysis:

Scotseal® PlusXL

Opening a Scotseal® PlusXL



pliers to straighten the flange on the sleeve. Be sure to wear gloves or use a shop to protect your hands. The opened flange is extremely sharp.



Pull the two components apart. Then set the sleeve assembly aside (the top component shown above). Place it carefully where it is out of the way, but won't be disturbed.

Internal inspection - sealing lip condition



Check for grease: Locate the primary sealing lip and dirt lip. If the area between them is something has allowed oil to wash away the grease. The cause could be excessive end-play or a locked seal. Or internal pressure from a locked vent.



Normal lip flexibility: Check the primary sealing lip and dirt lip by pressing downward on them with your thumbs, sliding them around the entire circumference. The rubber should remain soft and flexible in normal use.



Cracked lips: If, when you check the primary and dirt lips the rubber feels rough and dry, it has probably been subjected to excessive heat. Loss of lubrication is one of the prime suspects.



Flattened bumper lips: Scale or rust on the spindle will prevent the wider Scotseal PlusXL from sealing properly. This creates extra pressure on the bumper and axial dirt lips. The spindle must be fully cleaned and all wear rings removed before installing a Scotseal PlusXL.

TFO wheel end training

inspection, installation, adjustment, verification, trouble-shooting



Wheel bearing adjustment procedure¹

Step 1: Lubricate the wheel bearing with clean axle lubricant of the same type used in the axle sump or hub assembly. Note: Never use an impact wrench when tightening or loosening lug nuts or bolts during the procedure.								
Initial adjusting nut torque	Initial back off	Final adjusting nut torque	Back off			Jam nut torque		Acceptable end play
			Axle type	Threads per inch	Final back off	Nut size	Torque specifications	
Step 2	Step 3	Step 4		Step 5	Step 6	Step 7		Step 8
200 lb•ft (271 N•m) While rotating wheels	One full turn	50 lb•ft (68 N•m) While rotating wheels	Steer (front) non-drive	12	1/6 Turn *	Install cotter pin to lock axle nut in position		.001"– .005" (.025mm– .127mm) As measured per procedure with dial indicator
				18	1/4 Turn *			
				14	1/2 Turn	Less than 2 5/8" (66.7mm)	200-300 lb•ft (271-407 N•m)	
				18				
			Drive	12	1/4 Turn	Dowel type washer	300-400 lb•ft (407-542 N•m)	
				16		Tang type washer**	200-275 lb•ft (271-373 N•m)	
			Trailer	12	1/4 Turn	2 5/8" (66.7mm) and over	300-400 lb•ft (407-542 N•m)	
				16				

TMC Recommended Practice RP618

SKF Mobile Training Trucks



SKF®

3

SKF website

www.vsm.skf.com

Technical resources from SKF

SKF web site: www.vsm.skf.com



SKF



Krown Products



Krown Products

Who Sells Krown?

Only



KL73 Rust Inhibitor Lubricant

KL73 provides your Heavy Duty equipment with the best rust protection on the market, while lubricating moving parts and preserving electrical connections and wiring.

- Solvent free
- Displaces moisture
- Self-healing barrier, creeps on metal
- Protects wiring and electrical
- High dielectric strength
- Environmentally friendly

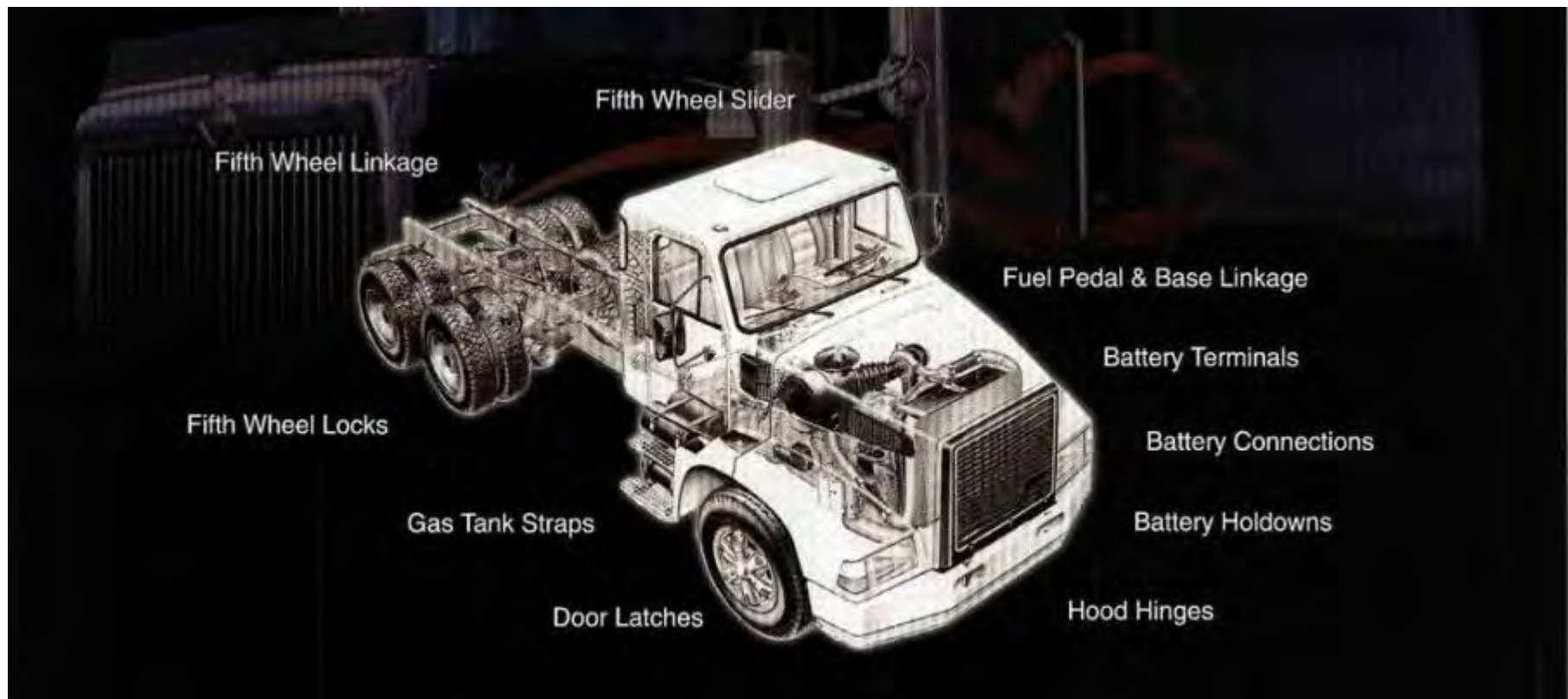
<u>SKF Part No.</u>	<u>Description</u>
KA71400-12	Aerosol can, 400g
KA74004-4	1 gallon
KA74020	5 gallon
KA74205	55 gallon drum



Where can KL73 be applied?

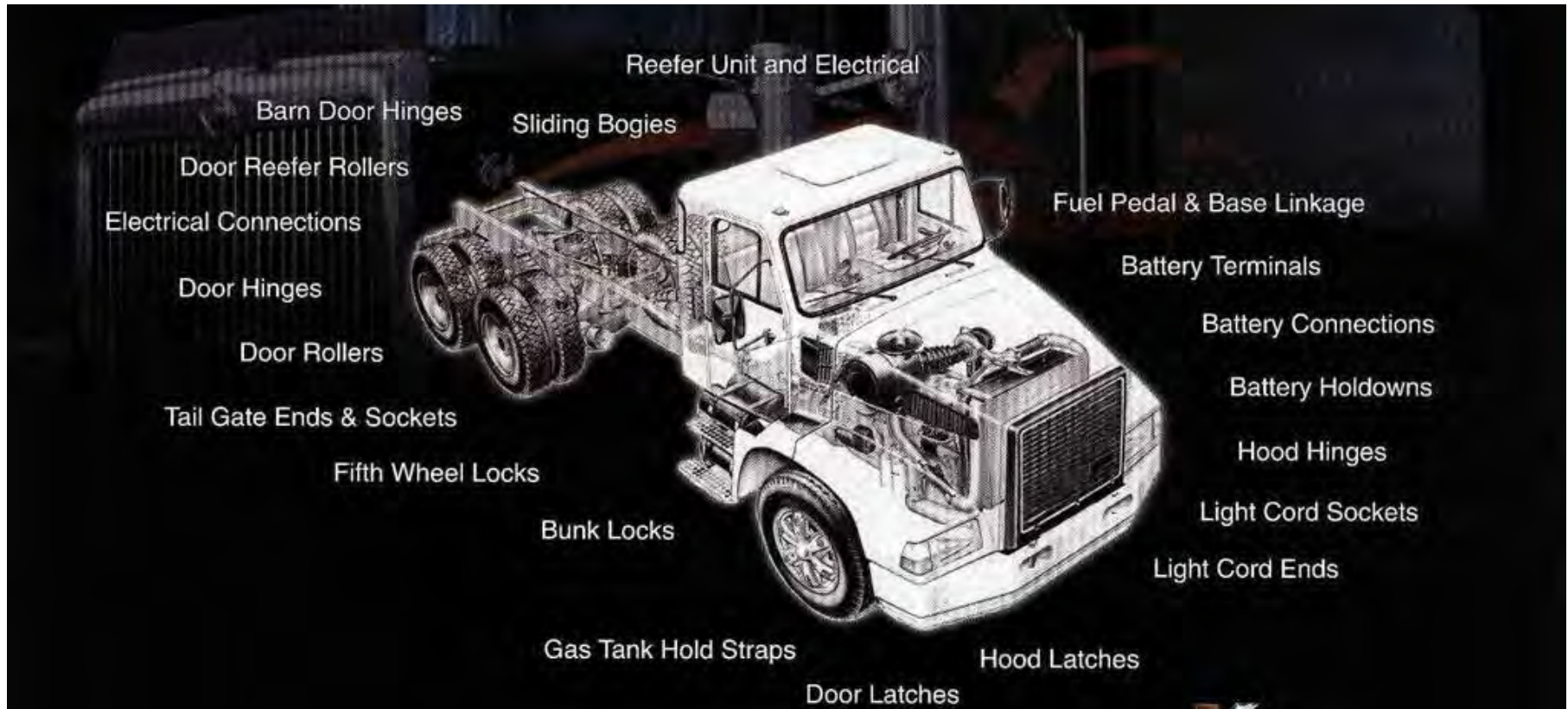
KL73 Lubricant / Rust Inhibitor

- Application points and parts – Schedule A



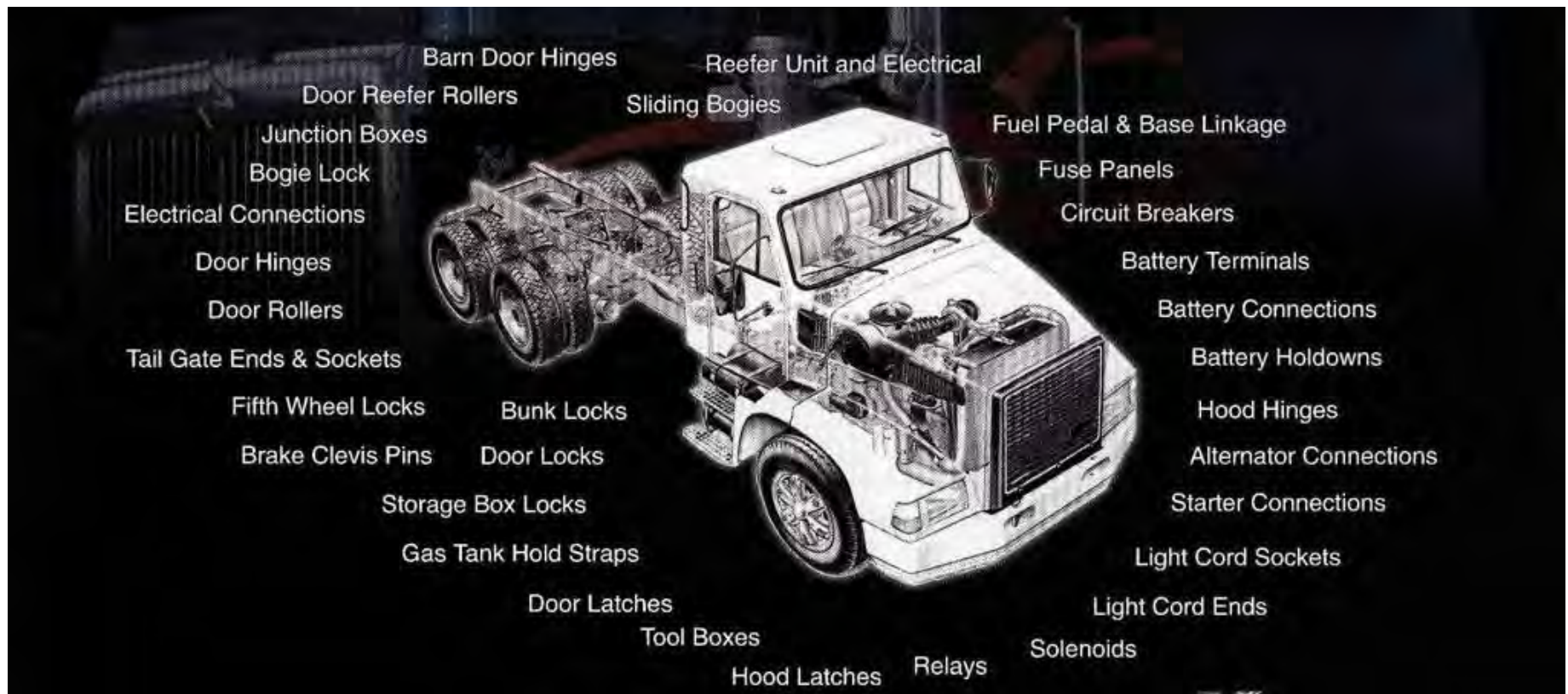
KL73 Lubricant / Rust Inhibitor

- Application points and parts – Schedule B



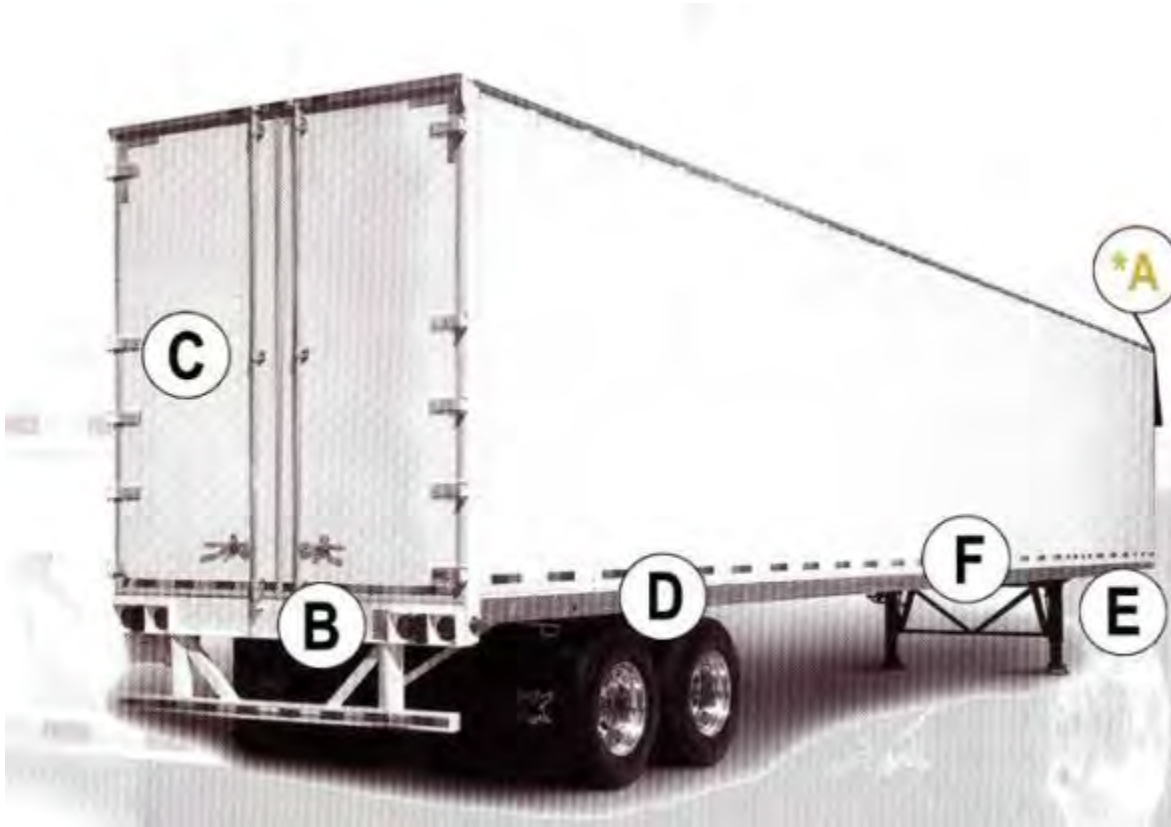
KL73 Lubricant / Rust Inhibitor

- Application points and parts – Schedule C



KL73 Lubricant / Rust Inhibitor

- Application points and parts - Trailer



*A Spraying reefer units.
(Refrigeration Units)

B Spraying all electrical lights back
and side of the trailers/including
the front electrical plug.

C Spraying the barn doors on
standard trailers/roll up doors
including header.

D Spraying the tandem assembly
which includes the air tanks/
relay valves/ slack adjusters
and pin.

E Spraying the upper coupler/ the
cross members where the fifth
wheel assembly is mounted.

F Spraying the dollie legs.

KL73 Lubricant / Rust Inhibitor

- Application points and parts - Trailer



SEAMS AND RIVETS



DOLLIE LEGS



GLAD HANDS



HEADER /
HINGES AND LATCHES



ALL ELECTRICAL WIRING



REAR LIGHT ASSEMBLY

KL73 Lubricant / Rust Inhibitor

- 100% usable product
- Cost savings (more usable product per package)



Data from WD40 MSDS sheet

Fleet cost savings

Apply Known annually

Save on Replacement Parts cost

Reduce Truck down time / Eliminate DOT Fines

Enjoy an Overall Labor Savings Cost

Reduce space and duplicate product spending

KL73 Lubricant / Rust Inhibitor

Krown end user applications



KL73 Lubricant / Rust Inhibitor



KL73 Lubricant / Rust Inhibitor



KL73 Lubricant / Rust Inhibitor

Food Grade Safe



NSF International/Nonfood Compounds Registration Program

Nonfood Compounds
Program Listed

OFFICIAL LISTING

NSF International Certifies that the products appearing on this Listing conform to the requirements of the NSF Nonfood Compounds Registration Program

This is the Official Listing recorded on May 25, 2010.

KP53 Penetrant

KP53 is an extremely fast penetrant with the added benefit of rust inhibiting. Due to its solvent-free formula, KP53 remains on surfaces providing additional lubrication.

- Solvent Free
- Extremely Fast Acting
- High Dielectric Strength
- Displaces Moisture / Protects Against Rust
- Remains on Surface, Does Not Evaporate
- Environmentally Friendly

<u>SKF Part No.</u>	<u>Description</u>
KA51400-12	Aerosol can, 400g
KA54004-4	1 gallon
KA54020	55 gallon drum



M35 Salt Eliminator

A revolutionary new maintenance staple, MR35 Salt Eliminator makes the difficult, yet vital task of salt removal easy. Magnesium, calcium and sodium chloride salts can speed up the corrosion process by hundreds of times. These salts can even cause rapid corrosion on surfaces that wouldn't otherwise corrode.

- Solvent free, environmentally friendly
- Eliminates all harmful chlorides
- Removes harmful salt fog residues
- Leaves a shiny, bead finish
- Works on a variety of surfaces: carpets, fabric, rubber
- For use on vehicle bodies and undersides

<u>SKF Part No.</u>	<u>Description</u>
KA1198-12	Aerosol can, 400g
KA1199-4	1 gallon
KA1200	5 gallon
KA1201	55 gallon drum



MR35 Salt Eliminator



KLFSM Chain Lube

KLFSM is a solvent-free product designed to substantially enhance chain life while reducing wear and friction. Safe for self-lubricating chain, KLFSM will reduce corrosion and help to keep debris from sticking and reducing costly repairs and downtime.

- Solvent free, environmentally friendly
- Extremely durable
- Advanced surface modifying additive
- Displaces moisture / protects against rust
- Remains on surface, does not evaporate
- Designed for extreme heat & heavy load

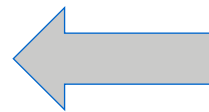
<u>SKF Part No.</u>	<u>Description</u>
KA63400-12	Aerosol can, 400G
KA63004-4	1 gallon
KA63020	5 gallon
KA63205	55 gallon

Applications

- Roller chain
- Large & small pitch chain
- Conveyor chain
- Wire rope
- High heat chain
- Open gears



KLFSM Chain Lube



Great for roll up doors

Great for Fork Lifts



Application Tools and Equipment

THE RIGHT TOOLS FOR THE JOB

APPLICATION TOOLS
DESIGNED TO HELP YOU
GET THE MOST OUT
OF KROWN'S PREMIUM
PRODUCTS.



FOAM GUN
Order # KA1158



SPRAY ROD SET
Order # KA1047

PUMP
Order # KA3000



SPRAY GUN
Order # KA1172



50' LINE SET
Order # KA1010



BROAD SPRAY GUN
Order # KA1181



**SMALL PORTABLE
SYSTEM**
Order # KA1022

**DROP-IN FLUID
PUMP SET**
Order # KA3062

Includes:
#KA3000, #KA1172,
#KA1010, #KA1047,
#KA1181



**LARGE PORTABLE
SYSTEM**
Order # KA1073

Point of Purchase Display

SKF Part: No. KA1582

Each display includes:

- KA71400-12 Rust Inhibitor Lubricant
 - 12 - 400 gram aerosol cans
- KA51400-12 Penetrate
 - 12 – 400 gram aerosol cans
- KA1198-12 Salt Eliminator
 - 12 – 400 gram aerosol cans
- KA63400-12 Chain Lube
 - 12 – 400 gram aerosol cans
- Full color SKF display with product feature and benefit information
- Perfect for the showroom floor or service parts area

Point of Purchase Display



MP21 Power Kleen

Formulated for tough jobs, MP21 Power Kleen acts as a powerful degreaser/cleaner and a heavy duty vehicle/equipment wash.

MP21 quickly dissolves and emulsifies heavy grease, diesel soot, insects and many other soils. With 21 ingredients, MP21 is specifically designed to handle the widest range of soils possible.

- Grease and oil breakdown on both animal fats and petroleum based soils
- Non-flammable
- Powerful cleaning , even in low dilutions
- Extremely fast oil breakdown

<u>SKF Part No.</u>	<u>Description</u>
KA1204-4	1 gallon
KA1203	5 gallon
KA1202	55 gallon



MO14 Enviro Wash

A high foaming, easy to rinse product, MO14 Enviro Wash removes oils and other types of soil safely from almost any surface. As an environmentally-friendly product, Enviro Wash contains no NPE's. Use this versatile and concentrated detergent in foam prespray, foam brush and foam arch systems.

Some areas of application:

- Vehicle and equipment cleaning
- Vehicle wash systems
- Plant and factory
- Mop bucket
- Walls and floors

SKF Part No.

KA1017-4

Description

1 gallon

KA1014

5 gallon

KA1100

55 gallon drum



MP28T Multi Pressure Touchless

Designed especially for touchless washes. This effective touchless truck and car wash will remove soils, including road film, and works well in hard and soft water. Easy rinsing and pleasant bubblegum scented, MP28T product can be used under various pressures, from a high-pressure wand to a low-pressure presoak.

- Enhances rinse agent performance
- For low and high-pressure systems
- Non flammable
- No caustics, phosphates or petroleum solvents



<u>SKF Part No.</u>	<u>Description</u>
KA1301-4	1 gallon
KA1301	5 gallon
KA1302	55 gallon

MR82 Aluma Brite

MR82 is a heavy duty, fast acting aluminum brightener/cleaner. MR82 effectively cleans and brightens aluminum trailers, fuel tanks, and other aluminum parts. Quickly removes oxidation along with other soils including diesel soot, and road film. When used as directed, MR82 will not leave streaks or white residue behind.

- Brightens metals evenly
- Removes rust
- No petroleum products
- Removes oxidation without brushing
- High concentration
- Does not leave white residue

<u>SKF Part No.</u>	<u>Description</u>
KA1225-4	1 gallon
KA1226	5 gallon
KA1227	55 gallon



CAUTION: This product contains hydrofluoric acid.
Ensure proper safety procedures are followed

Krown products from SKF

- The Krown family of products will be supported and serviced by the SKF Heavy Duty Salesforce

