STEMCO®

Making the Roadways Safer®

GAFF

pro1one EXTREME LUBRICANTS®

GOODYEAR AIR SPRINGS



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GAFF Tooling
PRO-ONE XPL-101 Penetrating Spray Lubricant
PRO-ONE Fuel Maximizer
PRO-ONE Gold EP-2 Grease
PRO-ONE Heavy Duty Oil Stabilizer
STEMCO Australia & Export Contacts

Our Purpose is to help the Transport Industry to become More Safe, More Productive and More Sustainable.



STEMCO WHEEL END™ PRODUCT CLINIC

- Techniques to increase seal life
- Axle Fasteners - Double Nut, Pro-Torq, Zip-Torq & Auto-Torq
- Adjustment procedures
- Proper hub fill rates
- Wheel end venting & pressure
- Complete wheel end break down & rebuild
- Trouble-shooting & inspection

STEMCO STEERING PRODUCTS™ PRODUCT CLINIC

- King pin replacement for QWIKKIT® and PLUSKIT®
- Heavy Duty Universal QWIKTIE
- Complete King Pin & Tie Rod break down and rebuild
- Trouble-shooting & inspection

GOODYEAR AIR SPRINGS GAFF™ SUSPENSION PRODUCTS PRODUCT CLINIC

GOODYEAR AIR SPRINGS

- Superior rubber components
- Truck & Trailer air springs

GAFF POLYURETHANE PRODUCTS

- Polyurethane components
- Spring pin & bush assemblies
- Truck & Trailer mounts
- Trouble-shooting & inspection

SVT STEMCO® VEHICLE TECHNOLOGY INNOVATIVE TYRE AND MILEAGE SOLUTIONS

- Hubodometers & mounts
- Mileage management
- Tyre pressure & temperature monitoring
- Asset tracking

SCAN THE QR CODE TO BOOK A CLINIC

STEMCO Product Demonstrations

VISIT WWW.GARLOCK.COM.AU FOR FULL CATALOGUE & CROSS REFERENCES

QUICK REFERENCE - TRUCK



STEMCO®		DANA EFA10-13 & E SERIES (SOME) MERITOR FE & FF SERIES	STEER AXLE (LIGHT DUTY) DANA E & I SERIES MERITOR FG, MFS13-14, MFS-66 HENDRICKSON *	MERITOR FF HD KENWORTH	STEER AXLE (HEAVY DUTY) DANA D & EFA18-24 MERITOR FH, FL, MFS16-22, MFS-73 DETROIT DA-F 7.3T	DRIVE AXLE DANA MERITOR
BEARING SETS	INNER SET	**SET413STM**		**SET413STM**	**SET423STM**	**SET403STM**
	OUTER SET	**SET406STM**		**SET409STM**	**SET424STM**	**SET401STM**
WHEEL SEALS	VOYAGER		**383-0136**		**383-0164**	**393-0173**
	DISCOVER XR		**383-0436**		**383-0464**	**393-0473**
	GUARDIAN HP		**308-0836**		**308-0864**	**309-0973**
BEARING KITS	WITH VOYAGER	**KIT-102STM**		**KIT-KWSTM**	**KIT-104STM**	**KIT-101STM**
	WITH GUARDIAN					**KIT-106STM**
SPACERTECH SPACER	ADJUSTABLE SPACER		**446-602**		**446-603**	**446-803**
AXLE FASTENER	PRO-TORQ ASSY	**448-4837**	**448-4836**	**448-4839**	**448-4865**	**449-4973**
	PRO-TORQ KEEPER RING	450-4837	450-4836	450-4839	450-4865	450-4973
	ZIP-TORQ	**400-4837**	**400-4836**		**400-4865**	**400-4973**
HUB CAP (**DEFENDER** IS COMPOSITE) (**TRADITIONAL** IS ALUMINIUM)	**DEFENDER**	**367-4024** (4-1/2" CAP)		**367-4009** (5-1/2" CAP)		
	TRADTIONAL – RUBBER PLUG	**343-4024** (4-1/2" CAP)		**343-4281** (5-1/2" CAP)		**340-4119** (TAG AXLE)
	TRADITIONAL – SENTINEL PLUG	**356-4024** (4-1/2" CAP)		**356-4281** (5-1/2" CAP)		FIT **359-6124**
SPARE PARTS	WINDOW KIT – RUBBER PLUG	**359-5999** (4-1/2" CAP)		**359-5995** (5-1/2" CAP)		**359-5995**
	WINDOW KIT – SENTINEL PLUG	**359-6143** (4-1/2" CAP)		**359-6145** (5-1/2" CAP)		FIT **359-6124**
	ESP+ PLUG	**359-6124** ESP+ HUB CAP PLUG (PAIR)				
	GASKET	**330-3024** (4-1/2" CAP)		**330-3009** (5-1/2" CAP)		**330-3111**
QWIKTIE TIE ROD	ASSEMBLY - STRAIGHT	**QT967SS** (Small Taper) (EXCEPT E1320-E1462 SERIES USE **QT108SB**)			**QT108SB** (Large Taper) (SOME E-SERIES)	
KAISER NO-REAM	**PLUSKIT** (BRONZE BUSH)	**70.120.05** EFA 10/12/13	**70.141.19** I SERIES	**70.931.12** FF SERIES	**70.180.05** EFA18-24	
		70.122.05 E1200/1201/1320	**77.931.18** FG & MFS13-14	**70.533.13** FA537 & 538	**78.931.12** FH & FL SERIES	
		70.146.05 E1460	**79.131.18** MFS-66		**70.180.18** MFS16-22 & MFS73	**70.201.19** D SERIES
		70.140.09 343KK100	**70.147.05** E1002/1202/1322/1462		**70.182.18** MFS18-20 & MFS75	
KING PIN KITS	**QWIKKIT** (SPIRAL BUSH)	**K120E** EFA 10/12/13	**K141S** I SERIES	**K931R** FF SERIES	**K180E** EFA 18-24	
		K122E E1200/1201/1320	**KG931R** FG & MFS13-14	**K533M** FA537 & 538	**KH931L** FH & FL SERIES	**K160A** DETROIT/DAIMLER
		K146E E1460	**K131R** MFS-66		**K180R** MFS16-22 & MFS73	**K201S** D SERIES
		K140I 343KK100	**K147E** E1002/1202/1322/1462		**K182R** MFS18-20 & MFS73	

* HENDRICKSON AIRTEK/STEERTEK KING PIN KIT IS ECONOKIT 50.121.08.
* SOME LATE FG941 & ALL MFS66 AXLES RUN A 5-1/2" HUB CAP.
* ZIP-TORQ CAN BE USED WITH PRESET, LMS, CONMET OR SPACER SYSTEM WHEEL END, REFER STEMCO BEARING ADJUSTMENT PROCEDURE.
* MORE HUB CAPS, PARTS, GASKET OPTIONS AVAILABLE, REFER STEMCO HUB CAP & SPARE PARTS REFERENCE MATERIAL.
* SPACER-TECH ADJUSTABLE SPACER CAN BE USED ON TRADITIONAL WHEEL END OR REPLACE PRESET/LMS/CONMET SYSTEMS.

QUICK REFERENCE - TRAILER



STEMCO®		LIGHT DUTY UNCOMMON (TAPERED SPINDLE)	LIGHT DUTY COMMON (TAPERED SPINDLE)	TN / HN	TP / HP (PARALLEL SPINDLE)	BPW 10-12T NEW GEN ECO/ECO+/ECO+3
BEARING SETS	INNER SET	**665A/653**	**SET405STM**	**SET414STM**	**SET415STM**	**33118STM**
	OUTER SET	**SET413STM**	**SET413STM**	**SET413STM**	**SET415STM**	**33213STM**
WHEEL SEALS	VOYAGER	**373-0144**	**373-0113**	**373-0143**	**373-0123**	
	DISCOVER XR			**373-0443**	**373-0423**	
	GUARDIAN HP	**307-0744**	**307-0713**	**307-0743**	**307-0723**	
	STM GREASE	**STM-0744G**	**STM-0713G**	**STM-0743G**	**STM-0723G**	**STM-0747G ***
BEARING KITS	WITH VOYAGER			**KIT-103STM**	**KIT-105STM**	
	WITH GUARDIAN				**KIT-109STM**	
	WITH GREASE			**KIT-107STM**	**KIT-108STM**	
SPACERTECH SPACER	ADJUSTABLE SPACER	**446-704**		**446-701**	**446-708**	**446-702**
AXLE FASTENER	PRO-TORQ	**447-4743**	**447-4743**	**447-4743**	**447-4723**	
	PRO-TORQ KEEPER RING	450-4743	450-4743	450-4743	450-4723	
	ZIP-TORQ	**400-4743**	**400-4743**	**400-4743**	**400-4723**	
	SPACER-TECH *(USE EXISTING LOCK WASHER)*	446-704H (ROR 65MM)	446-701H (YORK 2-1/2")	446-702H (ROCKWELL 2")	446-708H	
AUTO-TORQ KITS	WITH VOYAGER			**KIT-TNATV**	**KIT-TPATV**	
	WITH GUARDIAN			**KIT-TNATG**	**KIT-TPATG**	
HUB CAP (**POLYCARBONATE** IS CLEAR) (**DEFENDER** IS COMPOSITE) (**TRADITIONAL** IS ALUMINIUM)	POLYCARBONATE				340-4975 (SCREW CAP)	
	DEFENDER	**367-4009** (5-1/2" CAP)			**367-4195** (6 BOLT CAP)	
	TRADITIONAL – RUBBER PLUG	**343-4009** (5-1/2" CAP)			**343-4075** (SCREW CAP) **343-4195** (6 BOLT CAP)	
	TRADITIONAL – SENTINEL PLUG	**356-4009** (5-1/2" CAP)			**356-4075** (SCREW CAP) **356-4195** (6 BOLT CAP)	
SPARE PARTS	WINDOW KIT – RUBBER PLUG	**359-5995** (5-1/2" CAP)			**359-5995** (6 BOLT & SCREW)	
	WINDOW KIT – SENTINEL PLUG	**359-6145** (5-1/2" CAP)			**359-6145** (6 BOLT & SCREW)	
	ESP+ PLUG	**359-6124** ESP+ HUB CAP PLUG (PAIR)				
	GASKET	**330-3009** (5-1/2" CAP)			**330-3077** (O-RING SCREW CAP) **330-3118** (6 BOLT CAP)	
HUBODOMETER MOUNT BRACKETS	POLYCARBONATE (VENTED)	**640-0001** (5-1/2" CAP)			**640-0003** (SCREW CAP)	
	WINDOW KIT	**359-6117** (REPLACES WINDOW IN TRADITIONAL HUB CAP)				
	STANDALONE (VENTED)	**610-0065** (5-1/2" CAP)			**610-0084** (6 BOLT CAP)	
	SHROUD MOUNT	**600-99AS** (REPLACES WINDOW & RING ON TRADITIONAL HUB CAPS BOLT & SCREW TYPE, ONE PIECE PROTECTIVE SHROUD FOR ELECTRONIC HUBODOMETERS ONLY)				**0321225080HUBO** ECO/ECO+3 M135x2MM **0321225310HUBO** ECO+ M136x2.5MM
KAISER NO-REAM KING PIN KITS	**PLUSKIT** (BRONZE BUSH)	**70.700.20** DEXTER, IMT, TMC	**70.230.07** KGI, HENDRICKSON	**78.931.12** WATSON & CHALIN		
	QWIKKIT (SPIRAL BUSH)	**K700T** DEXTER, IMT, TMC	**K230KG** KGI, HENDRICKSON	**KH931L** WATSON & CHALIN		

* ZIP-TORQ CAN BE USED WITH UNITIZED TRAILER WHEEL END, REFER AXLE MANUFACTURER'S ADJUSTMENT SPECIFICATION.
* ZIP-TORQ CAN BE USED WITH PRESET, LMS, CONMET OR SPACER SYSTEM WHEEL END, REFER STEMCO BEARING ADJUSTMENT PROCEDURE.
* MORE HUB CAPS, PARTS, GASKET OPTIONS AVAILABLE, REFER STEMCO HUB CAP & SPARE PARTS REFERENCE MATERIAL.
* SPACER-TECH ADJUSTABLE SPACER CAN BE USED ON TRADITIONAL WHEEL END OR REPLACE PRESET/LMS/CONMET SYSTEMS.
* STM GREASE SEAL MAY NO BE SUITABLE FOR SOME ABS SYSTEMS, STM-0747G SUITS NEW GEN ONLY.
* BPW UNITS ARE INTERGRATED HUBCAP & SHROUD

WHEEL END PRODUCTS



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WHEN IT COMES TO WHEEL ENDS, WE HAVE YOU COVERED.

THE INDUSTRY LEADER, PROVIDING PROVEN PROTECTION AND EXCEPTIONAL VALUE FOR EVERY FLEET



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WHEEL END PRODUCTS

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PREMIUM WHEEL SEALS



AXLE	MODEL	COMPETITOR NUMBERS	VOYAGER	DISCOVER XR	GUARDIAN HP	GREASE STM *
			HUB INSTALLED		AXLE FIT	HAND FIT
STEER AXLE						
MACK	12,000# 5.5T	39977, 39979, 39988 32QJ262, 88AX305	383-0139	ALSO SOLD AS KIT **383-8139** INCLUDES **310-1132** SHOULDER BUSHING		
MERITOR / ROCKWELL DANA / EATON / SPICER MACK HENDRICKSON	FE-FF SERIES, FG SERIES MFS13-MFS14, MFS-66 E SERIES, I SERIES, EFA10-13 FA537-FA538 AIRTEK, STEERTEK	35058, 35059 35062, 35066, 35103 10045885, 10005430	383-0136	383-0436	308-0836	
MERITOR / ROCKWELL DANA / EATON / SPICER DETROIT / DAIMLER	FH SERIES & FL SERIES MFS16-MFS22, MFS73-75 D2000-D2200, I-220 EFA22-EFA24 16,000# DA-F 7.3T AF16-AF20	43761, 43762 43763, 43764, 43765 10045883, 940013902	383-0164	383-0464	308-0864	
DRIVE AXLE						
MERITOR / ROCKWELL DANA / EATON / SPICER	COMMON 38,000# & 46,000#	47691, 47693 47695, 47696, 47697 10005431, 10045887	393-0173	393-0473	309-0973	
MACK	SW34 34,000#	45069, 45070, 45093 45097, 45098, 45099 32QJ268, 88AX467	393-0103		309-0903	
MACK	SW44 44,000#	42673, 42671 42672, 42644, 42650 32QJ271, 88AX466	393-0104		309-0904	
TRAILER AXLE						
TN / HN	(TAPERED SPINDLE)	46300, 42626 43000, 46305, 46306 10045888, S-27267	373-0143	373-0443	307-0743	STM-0743G
TP / HP	(PARALLEL SPINDLE)	42672, 42623 42627, 42631, 42622 10045889, A-27268	373-0123	373-0423	307-0723	STM-0723G
LIGHT DUTY	(COMMON)	40136, 40147, 40133 40129, 42630, 47394	373-0113		307-0713	STM-0713G
LIGHT DUTY	(UNCOMMON)	43752, 43753, 43754	373-0144		307-0744	STM-0744G
BPW TRANSPEC	NEW GEN 10-12T	02.566.44.65.7				STM-0747G
DRAKE	GENUINE 15	BW0001	GRIT GUARD 320-2086 & OEM AXLE RING			

* STM GREASE SEAL MAY NOT BE SUITABLE WITH SOME ABS APPLICATIONS, CHECK CLEARANCE BETWEEN SEAL & ABS BRACKET/SENSOR *Refer Technical Publication TP-0049A*



16735STM **4 PIECE PRY BAR SET - ROLLED HEAD**

4 PIECE PRY BAR SET WITH ROLLED HEAD, ENABLES HIGH LEVERAGE TO REMOVE WHEEL SEALS WITH EASE.
1x 150mm Bar, 1x 300mm Bar, 1x 400mm Bar, 1x 500mm Bar

HIGH PERFORMANCE AND REVOLUTIONARY DESIGN

Voyager® DISCOVER® XR Guardian® HP



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WHEEL END PRODUCTS

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WHEEL SEAL TOOLING



VOYAGER & DISCOVER XR (TOOL BOARD 570-7032)

AXLE	MODEL	VOYAGER	DISCOVER XR	TOOL HEAD	BEARING GUIDE	TOOL HANDLE
STEER (LIGHT DUTY)	MACK (5.5T)	383-0139 383-8139		551-5413	570-0020	551-0001
STEER (LIGHT DUTY)	MERITOR / ROCKWELL (FF/FG) DANA / EATON / SPICER (E & I) MACK / HENDRICKSON	383-0136	383-0436	551-5346	570-0020	551-0001
STEER (HEAVY DUTY)	MERITOR / ROCKWELL (FL/MFS) DANA / EATON / SPICER (D & EFA) DETROIT / DAIMLER (DA-F)	383-0164	383-0464	551-5327	570-0022	551-0001
DRIVE	MERITOR / ROCKWELL DANA / EATON / SPICER	393-0173	393-0473	551-5320	570-0028	551-0001
DRIVE	MACK (SW34)	393-0103		551-5415	570-0023	551-0001
DRIVE	MACK (SW44)	393-0104		551-5414	570-0023	551-0001
TRAILER	TN / HN (TAPERED)	373-0143	373-0443	551-5412	570-0026	551-0001
TRAILER	TP / HP (PARALLEL)	373-0123	373-0423	551-5401	570-0025	551-0001
TRAILER	LIGHT DUTY (COMMON)	373-0113		551-5313	570-0023	551-0001
TRAILER	LIGHT DUTY (UNCOMMON)	373-0144		551-5339	570-0024	551-0001

GRIT GUARD & GUARDIAN HP (TOOL BOARD 570-7033)

AXLE	MODEL	GRIT GUARD	GUARDIAN HP	TOOL HEAD	TOOL BODY
STEER (LIGHT DUTY)	MERITOR / ROCKWELL (FF/FG) DANA / EATON / SPICER (E & I) MACK / HENDRICKSON	382-8036	308-0836	555-5098	555-0001
STEER (HEAVY DUTY)	MERITOR / ROCKWELL (FL/MFS) DANA / EATON / SPICER (D & EFA) DETROIT / DAIMLER (DA-F)	382-8064	308-0864	555-5007	555-0001
DRIVE	MERITOR / ROCKWELL DANA / EATON / SPICER	392-9131	309-0973	555-5076	555-0001
DRIVE	MACK (SW34)	392-9094	309-0903	555-5072	555-0001
DRIVE	MACK (SW44)	392-9112	309-0904	555-5072	555-0001
TRAILER	TN / HN (TAPERED)	372-7097	309-0743	555-5039	555-0001
TRAILER	TP / HP (PARALLEL)	372-7099	309-0723	555-5023	555-0001
TRAILER	(COMMON)	372-7098	307-0713	555-5100	555-0001
TRAILER	(UNCOMMON)		307-0744	555-5069	555-0001
TRAILER	DRAKE 15”	320-2086 Seal		555-5060	555-0001

Voyager®



DISCOVER® XR



GRITGUARD®



Guardian® HP







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WHEEL END PRODUCTS

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HEAVY DUTY BEARINGS



AXLE	MODEL	COMBINATION INNER CONE & CUP	COMBINATION OUTER CONE & CUP	COMPETITOR SET NUMBER INNER	COMPETITOR SET NUMBER OUTER	STEMCO HEAVY DUTY MATCHED SETS INNER	STEMCO HEAVY DUTY MATCHED SETS OUTER
STEER AXLE							
MERITOR / ROCKWELL DANA / EATON / SPICER HENDRICKSON	FE-FF SERIES, FG SERIES MFS13-MFS14, MFS-66 E SERIES, I SERIES, EFA10-13 AIRTEK, STEERTEK	*HM212049* HM212011	*3782* 3720	SET413 SET440 10041905	SET406 SET496 10041906	SET413STM	SET406STM
MERITOR / ROCKWELL MACK	FF-SERIES (HD KENWORTH) FA537-538	*HM212049* HM212011	*45280* 45220	SET413 SET440 10041905	SET409 SET495	SET413STM	SET409STM
MERITOR / ROCKWELL DANA / EATON / SPICER DETROIT / DAIMLER	FH SERIES & FL SERIES MFS16-MFS22, MFS-73 D2000-D2200, I-220, EFA22-24 16,000# DA-F 7.3T AF16-20	*6461A* 6420	*555S* 552A	SET423 SET497 10041925	SET424 SET498 10041926	SET423STM	SET424STM
DRIVE AXLE							
MERITOR / ROCKWELL DANA / EATON / SPICER	COMMON 38,000# & 46,000#	*594A* 592A	*580* 572	SET403 SET443 10041915	SET401 SET442 10041916	SET403STM	SET401STM
MERITOR / ROCKWELL DANA / EATON / SPICER	UNCOMMON 38,000# & 46,000#	*598A* 592A	*580* 572	SET404	SET401 SET442 10041916	SET404STM	SET401STM
MACK	SW34 34,000#	*580* / 572 *582* / 572	*567* 563	SET401 SET442 SET402	SET425	SET401STM SET402STM	SET425STM
MACK	SW44 44,000#	*HM516449* HM516410	*47679* 47620	SET421	SET426	SET421STM	SET426STM
TRAILER AXLE							
TN / HN	TAPERED SPINDLE	*HM218248* HM218210	*HM212049* HM212011	SET414 SET441 10041935	SET413 SET440 10041905	SET414STM	SET413STM
TP / HP	PARALLEL SPINDLE	*HM518445* HM518410	*HM518445* HM518410	SET415 SET444 10041945	SET415 SET444 10041945	SET415STM	SET415STM
LIGHT DUTY	COMMON UNCOMMON	*663* / 653 *665A* / 653	*HM212049* HM212011	SET405 N/A	SET413 SET440	SET405STM N/A	SET413STM
BPW TRANSPEC	10-12T NEW GEN ECO, ECO+, ECO+3	*X33118* Y33118	*X33213* Y33213	SET997 33118	SET998 33213	33118STM	33213STM
FUWA K-HITCH	17T FB24, KF75	*HM220149* HM220110	*HM518445* HM518410	SET317 H12-0200	SET415 H12-0100	HM220149STM HM220110STM	SET415STM
YORK	20T 2800 SERIES	*HM220149* HM220110	*HM218248* HM218210	SET317 7950228501 7950228502	SET414 7978611701 7978611702	HM220149STM HM220110STM	SET414STM



HEAVY DUTY UNIVERSAL BEARING CUP INSTALLER & REMOVAL TOOL

7180STM

ELIMINATE DAMAGE TO BEARING CUP, WHEEL HUB & ENSURE CORRECT SEATING OF BEARING SET

HEAVY DUTY SPRING TENSION ADJUSTABLE JAWS SUITABLE FOR BEARING CUPS 92MM TO 165MM

HEAVY DUTY BEARINGS

UNRIVALLED PERFORMANCE, UNBELIEVABLE VALUE

Bearings are at the heart of commercial trucking.
Inferior quality can cost far more than the money its saves.

STEMCO® heavy-duty bearings deliver exceptional quality & reliability.
Part of our promise of *Making the Roadways Safer®*.



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WHEEL END PRODUCTS

STEMCO®

WHEEL BEARING KITS



AXLE	MODEL	MATCHED SETS INNER	MATCHED SETS OUTER	COMPETITOR KIT NUMBERS	STEMCO PREMIUM WHEEL BEARING KITS
STEER AXLE					
MERITOR / ROCKWELL **DANA / EATON / SPICER** **HENDRICKSON**	FE-FF SERIES, FG SERIES MFS13-MFS14, MFS-66 E SERIES, I SERIES, EFA10-13 AIRTEK, STEERTEK	**SET413STM**	**SET406STM**	WBK4SCR, WBK4SCRP, WBK4SSC WBK4KSST, WBK4SCR454 MERKIT001, TRP5820 VKBA5800, VKBA5801 RDPKIT102 (No Seal in Kit)	**KIT-102STM** **VOYAGER** SEAL IN KIT
MERITOR / ROCKWELL	FF-SERIES (HD KENWORTH)	**SET413STM**	**SET409STM**	WBK4SUCR, WBK4SUSC WBK4SUCP, WBK4USUT MERKIT007, TRP5820	**KIT-KWSTM** **VOYAGER** SEAL IN KIT
MERITOR / ROCKWELL **DANA / EATON / SPICER** **DETROIT / DAIMLER**	FH SERIES & FL SERIES MFS16-MFS22, MFS-73 16,000# DA-F 7.3T AF16-20	**SET423STM**	**SET424STM**	WBK4SCHB, WBK4SSHA WBK4CHA, WBK4SCHA,WBK4SSHC MERKIT002, TRP5821 VKBA5804, VKBA5808 RDPKT104 (No Seal in Kit)	**KIT-104STM** **VOYAGER** SEAL IN KIT
DRIVE AXLE					
MERITOR / ROCKWELL **DANA / EATON / SPICER**	COMMON 38,000# & 46,000#	**SET403STM**	**SET401STM**	WBK3DCR, WBK3DCRP WBK3DST, WBK3SCRV WBK3DSG, MERKIT003 VKBA5806 VKBA5807 VKBA5808 TRP5806, TRP5807 RDPKIT101 (No Seal in Kit)	**KIT-101STM** **VOYAGER** SEAL IN KIT **KIT-106STM** **GUARDIAN HP** SEAL IN KIT
TRAILER AXLE					
TN / HN	TAPERED SPINDLE	**SET414STM**	**SET413STM**	WBK1TCR, WBK1TCRP, WBK1TRCP454, WBK1TSG, WBK1TSTG, WBK1TST MERKIT006, TRP5821 TRP5822 VKBA5809 VKBA5810, VKBA5811 RDPKIT103 (No Seal in Kit)	**KIT-103STM** **VOYAGER** SEAL IN KIT **KIT-107STM** **STM GREASE** SEAL IN KIT **KIT-110STM** **GUARDIAN HP** SEAL IN KIT
TP / HP	PARALLEL SPINDLE	**SET415STM**	**SET415STM**	WBK2PCR, WBK2PCRP WBK2PSG, WBK2PSTG WBK2PST, MERKIT005 VKBA5812, VKBA5813	**KIT-105STM** **VOYAGER** SEAL IN KIT **KIT-108STM** **STM GREASE** SEAL IN KIT **KIT-109STM** **GUARDIAN HP** SEAL IN KIT

UNIVERSAL FILL TOOL



102-5015

DESIGNED FOR SEMI-FLUID & GREASE FILLED HUBS

TRUCK & TRAILER WHEEL PAN



5001STM

SUITABLE FOR RIMS UP TO 350MM INTERNAL DIAMETER FEATURES EASY POUR EVACUATION MOUTH & HANDLES

UNIVERSAL BEARING PACKER



5230STM

SUITABLE FOR BEARINGS
I.D. (MAX) 12MM OR 15/32"
O.D. (MAX) 125MM OR 4-59/34"
HEIGHT (MAX) 50MM OR 1-31/32"

HEAVY DUTY BEARINGS

UNRIVALLED PERFORMANCE, UNBELIEVABLE VALUE

Bearings are at the heart of commercial trucking.
Inferior quality can cost far more than the money its saves.

STEMCO® heavy-duty bearings deliver exceptional quality & reliability.
Part of our promise of *Making the Roadways Safer®*.



Visit **WWW.GARLOCK.COM.AU**

WHEEL END PRODUCTS

SPACER-TECH HEAVY-DUTY ADJUSTABLE SPACER SYSTEM

AXLE	MODEL	BEARING SET INNER	BEARING SET OUTER	PRO-TORQ AXLE NUT	SPACER-TECH NUT	SPACER-TECH SPACER
STEER AXLE						
MERITOR / ROCKWELL **DANA / EATON / SPICER** **HENDRICKSON**	FE-FF SERIES, FG SERIES MFS13-MFS14, MFS-66 E SERIES, I SERIES, EFA10-13 AIRTEK, STEERTEK	SET413STM	SET406STM	448-4836 (Course Thread) 448-4837 (Fine Thread)		446-602
MERITOR / ROCKWELL **DANA / EATON / SPICER** **DETROIT / DAIMLER**	FH SERIES & FL SERIES MFS16-MFS22, MFS-73 D2000-D2200, I-220, EFA22-24 16,000# DA-F 7.3T AF16-20	SET423STM	SET424STM	448-4865		446-603
DRIVE AXLE						
MERITOR / ROCKWELL **DANA / EATON / SPICER**	COMMON	SET403STM	SET401STM	449-4973		446-803
MERITOR / ROCKWELL **DANA / EATON / SPICER**	UNCOMMON	SET404STM	SET401STM	449-4973		446-802
MACK	SW44 44,000#	SET421STM	SET426STM	449-4904	446-801H	446-801
TRAILER AXLE						
TN / HN **TN** (YORK) **TN** (ROR) **RN** (ROCKWELL)	TAPERED SPINDLE YORK - 2-1/2" THREAD ROR – LATE 65MM THREAD ROCKWELL – 2" THREAD	SET414STM	SET413STM	447-4743	446-701H 446-704H 446-702H	446-701
LIGHT DUTY (ROR)	COMMON ROR – EARLY 2-1/2" THREAD	SET405STM	SET413STM		446-704H	446-704
TP / HP	PARALLEL SPINDLE	SET415STM	SET415STM	447-4723		446-708
BPW TRANSPEC	OLD GEN EHZ9000	33217	33213STM	USE OEM AXLE NUT		446-703
BPW TRANSPEC	6T-9T (NEW GEN, ECO, ECO+)	33116	32310	USE OEM AXLE NUT		446-709
BPW TRANSPEC	10-12T (NEW GEN, ECO, ECO+, ECO+3)	33118STM	33213STM	USE OEM AXLE NUT		446-702
YORK	20T 2800 SERIES	HM220149STM HM220110STM	SET414STM	USE OEM AXLE NUT		446-721
DRAKE	DRAKE 15"	32216	32215	USE OEM AXLE NUT		446-706



DESIGNED & MANUFACTURED IN AUSTRALIA TO REDUCE RUNNING COSTS & DOWNTIME, EXTEND WHEEL END LIFE WITH NO ALTERATIONS TO YOUR EXISTING HUB OR AXLE.

MORE INFORMATION & APPLICATIONS AVILABLE THROUGH STEMCO, VISIT WWW.SPACERTECH.COM.AU

SPACER-TECH ADJUSTABLE SPACER IS DESIGNED TO BE USED WITH OIL OR SEMI-FLUID GREASE

HEAVY DUTY PRO-TORQ, ZIP-TORQ OR SPACER-TECH NUT MUST BE USED WITH SPACER.

SPACER-TECH DEMO

REVOLUTIONARY BEARING SPACER SYSTEM

Spacer-Tech's revolutionary bearing spacer system reduces axle, bearing & nut wear.

The axle nut no longer determines the bearing clearance, as it's now tightened with correct clearance maintained by the adjustable spacer.

Due to its heavy duty construction and adjustability this will be the last Spacer you will ever need to purchase.



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WHEEL END PRODUCTS

STEMCO | AUTO-TORQ

AXLE FASTENER KITS

AXLE	DESCRIPTION	CONTENTS	PART NUMBER
TRAILER	COMMON TN TRAILER TAPERED SPINDLE *(INCLUDES HUB INSTALLED WHEEL SEAL)*	SET414STM & SET413STM VOYAGER SEAL 373-0143 AUTO-TORQ AXLE NUT	KIT-TNATV
TRAILER	COMMON TN TRAILER TAPERED SPINDLE *(INCLUDES AXLE INSTALLED WHEEL SEAL)*	SET414STM & SET413STM GUARDIAN HP SEAL 307-0743 AUTO-TORQ AXLE NUT	KIT-TNATG
TRAILER	COMMON TP TRAILER PARALLEL SPINDLE *(INCLUDES HUB INSTALLED WHEEL SEAL)*	2x SET415STM VOYAGER SEAL 373-0123 AUTO-TORQ AXLE NUT	KIT-TPATV
TRAILER	COMMON TP TRAILER PARALLEL SPINDLE *(INCLUDES AXLE INSTALLED WHEEL SEAL)*	2x SET415STM GUARDIAN HP SEAL 307-0723 AUTO-TORQ AXLE NUT	KIT-TPATG



1913ATSTM AUTO-TORQ Socket suit TN Trailer

1941ATSTM AUTO-TORQ Socket suit TP Trailer



561-4743 AUTO-TORQ OEM Installer suit TN Trailer (NOT CONMET)

561-4723 AUTO-TORQ OEM Installer suit TP Trailer (NOT CONMET)

AUTO-TORQ sets the wheel end into optimum bearing adjustment for maximum wheel end life.

MAXIMIZES BEARING LIFE

By applying optimum clamp load on the bearings every time, it reduces bearing wear which results in longer bearing service life.

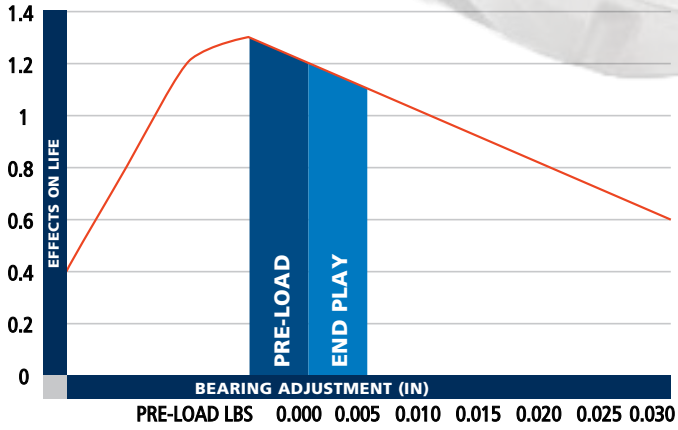
No need for spacers, half-stand bearings and precision hubs necessary for "PreSet" systems. Combine with STEMCO industry-leading seals, bearings & ESP hub caps for extended service life.

EASE OF INSTALLATION

Auto-Torq technology takes the guesswork out of wheel bearing adjustment by eliminating complex processes and specialty tools.

This allows for quicker installation time with improved peace of mind that the installation is performed correctly.

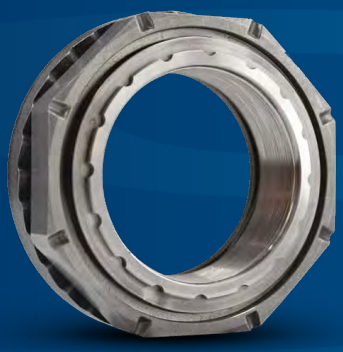
Bearing Adjustment vs. Bearing Life





SAFE. SECURE. SIMPLE.

AUTO-TORQ



STEMCO®

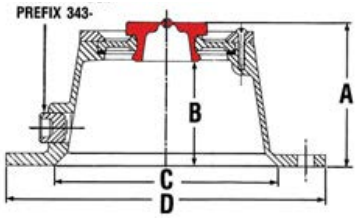
Making the Roadways Safer®

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WHEEL END PRODUCTS

STEMCO

TRUCK HUB CAPS





 # 343-****
Aluminium
Rubber Plug



 # 356-****
Aluminium
Sentinel
Plug



 # 353-****
Aluminium
ESP+
Sentinel Plug

STEER AXLE HUB CAP — 4024 SERIES *(Common Light Duty Steer)*



Bolt Circle Diameter = 4-1/2"or 114.3mm
Bolt Size = 5/16"
Bolt Holes = 6
A = 2-5/8" or 66.7mm
B = 1-7/8" or 47.6mm
C = 3-1/2" or 88.9mm
D = 5-1/4" or 133.4mm

Hub Cap Gasket = 330-3024
Red Rubber Plug = 359-5990
ESP+ Plug (Pair) = 359-6124

Composite **DEFENDER** = 367-4024
Aluminium with Rubber Plug = 343-4024
Aluminium with Sentinel Plug = 356-4024
Aluminium with **ESP+ Plug** = 353-4024

Window Kit with Rubber Plug = 359-5999
Window Kit with Sentinel Plug = 359-6143

STEER AXLE HUB CAP — 4281 SERIES *(Common Heavy Duty Steer & MFS-66)*



4281 Series BCD = 5-1/2" & 5-17/32" or 140.5mm
Bolt Size = 3/8" & 5/16"
Bolt Holes = 6
A = 2-5/16" or 58.7mm
B = 1-9/16" or 39.7mm
C = 4-9/16" or 115.9mm
D = 6-3/16" or 157.2mm

Hub Cap Gasket = 330-3009
Red Rubber Plug = 359-5990
ESP+ Plug (Pair) = 359-6124

Composite **DEFENDER** = 367-4009 *(5/16" Bolt Only)*
Aluminium with Rubber Plug = 343-4281
Aluminium with Sentinel Plug = 356-4281
Aluminium with Sentinel & Guard = 348-4281
Aluminium with **ESP+ Plug** = 353-4281
Window Kit with Rubber Plug = 359-5995
Window Kit with Sentinel Plug = 359-6145
Window Kit with Sentinel & Guard = 359-6112

STEER AXLE HUB CAP — 4249 SERIES *(Low Profile Heavy Duty Steer)*



Bolt Circle Diameter = 5-1/2" or 139.7mm
Bolt Size = 5/16"
Bolt Holes = 6
A = 2-5/16" or 58.7mm
B = 1-9/16" or 39.7mm
C = 4-9/16" or 115.9mm
D = 6-3/16" or 157.2mm

Hub Cap Gasket = 330-3009
Red Rubber Plug = 359-5915

Aluminium with Rubber Plug = 343-4249

Window Kit with Rubber Plug = 359-5912

Note: 4281 Series better option & clears Chrome Dress Hub Caps

STEER AXLE HUB CAP — 4095 SERIES *(Jap Trucks & Uncommon HD Steer)*



Bolt Circle Diameter = 5-1/2" or 139.7mm
Bolt Size = 5/16"
Bolt Holes = 6
A = 1-13/16" or 46mm
B = 1-1/16" or 27mm
C = 4-9/16" or 115.9mm
D = 6-3/16" or 157.2mm

Hub Cap Gasket = 330-3009
Red Rubber Plug = 359-5990
ESP+ Plug (Pair) = 359-6124

Aluminium with Rubber Plug = 343-4095
Aluminium with Sentinel Plug = 356-4095
Aluminium with Sentinel & Guard = 348-4095

Window Kit with Rubber Plug = 359-5995
Window Kit with Sentinel Plug = 359-6145
Window Kit with Sentinel & Guard = 359-6112

DRIVE AXLE HUB CAP — 4119 SERIES *(Common TAG/Lift Axles)*



Bolt Circle Diameter = 7" or 177.8mm
Bolt Size = 5/8"
Bolt Holes = 8
A = 2-1/16" or 52.4mm
B = 1-5/16" or 33.3mm
C = 4-5/16" or 109.5mm
D = 8-1/4" or 209.5mm

Hub Cap Gasket = 330-3090
Red Rubber Plug = 359-5990
ESP+ Plug (Pair) = 359-6124

Aluminium with Rubber Plug = 340-4119

Window Kit with Rubber Plug = 359-5995

EXCEPTIONAL PROTECTION FROM THE ELEMENTS



SENTINEL ESP PLUS

- Waterproof GoreTex Membrane
- A second O-ring increases plug retention.
- The umbrella check valve remains closed, stopping lubricant from leaking out and contaminants from flowing in.
- Shield protects venting mechanism from initial OE filling procedure and during normal vehicle operation.

ESP+ PLUG DEMO

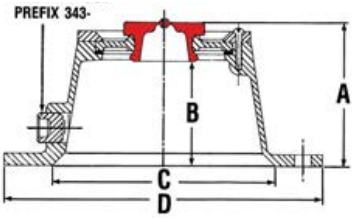
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WHEEL END PRODUCTS

STEMCO

TRAILER HUB CAPS





 # 343-****
Aluminium
Rubber Plug



 # 356-****
Aluminium
Sentinel
Plug



 # 353-****
Aluminium
ESP+
Sentinel Plug

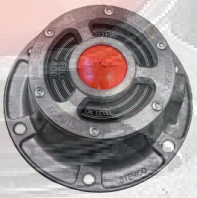
TRAILER AXLE HUB CAP — 4009 SERIES *(TN Tapered Spindle - 6 Bolt Cap)*

Bolt Circle Diameter = 5-1/2" or 139.7mm
Bolt Size = 5/16"
Bolt Holes = 6
A = 2-11/16" or 68.3mm
B = 1-15/16" or 49.2mm
C = 4-3/8" or 111.1mm
D = 6-1/4" or 158.7mm

Composite **DEFENDER** with Sentinel Plug = 366-4009
Aluminium with Rubber Plug = 343-4009
Aluminium with Sentinel Plug = 356-4009
Aluminium with Sentinel & Guard = 348-4009
Aluminium with **ESP+ Plug**= 353-4009
Stamped Steel (Venting) = 340-5096
Stamped Steel (Non Venting) = 340-5097

Hub Cap Gasket = 330-3009 (6 Bolt)
Hub Cap Gasket = 330-3067
ESP+ Plug (Pair) = 359-6124
Window Kit with Rubber Plug = 359-5995
Window Kit with Sentinel Plug = 359-6145
Window Kit with Sentinel & Guard = 359-6112



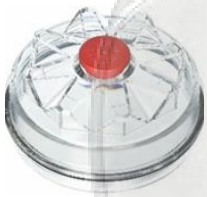


TRAILER AXLE HUB CAP — 4075 SERIES *(TP Parallel Spindle - Threaded Cap)*

Thread Size = 6-1/4" x 8UN
A = 2-5/16" or 58.7mm
B = 1-9/16" or 39.7mm
C = 5-3/4" or 146mm
D = 6-7/8" or 174.6mm

Polycarbonate Clear = 340-4975
Aluminium with Rubber Plug = 343-4075
Aluminium with Sentinel Plug = 356-4075
Aluminium with Sentinel & Guard = 348-4075
Polycarbonate Hubodometer (Venting) = 640-0003

Hub Cap O-Ring = 330-3077
Hub Cap Install & Removal Tool = 570-7008
ESP+ Plug (Pair) = 359-6124
Window Kit with Rubber Plug = 359-5995
Window Kit with Sentinel Plug = 359-6145
Window Kit with Sentinel & Guard = 359-6112







TRAILER AXLE HUB CAP — 4195 SERIES *(TP Parallel Spindle - 6 Bolt Cap)*

Bolt Circle Diameter = 6-3/4" or 171.4mm
Bolt Size = 5/16"
Bolt Holes = 6
A = 3-11/16" or 93.7mm
B = 2-15/16" or 74.6mm
C = 5-7/16" or 138.1mm
D = 7-1/2" or 190.5mm

Composite **DEFENDER** with Sentinel Plug= 366-4195
Aluminium with Rubber Plug = 343-4195
Aluminium with Sentinel Plug = 356-4195
Aluminium with Sentinel & Guard = 348-4195
Aluminium with **ESP+ Plug** = 353-4195

Hub Cap Gasket = 330-3118
ESP+ Plug (Pair) = 359-6124
Window Kit with Rubber Plug = 359-5995
Window Kit with Sentinel Plug = 359-6145
Window Kit with Sentinel & Guard = 359-6112





THE IMPORTANCE OF VENTING YOUR WHEEL END

Wheel end venting is something few people ever think about, but it plays an important role in wheel end life.



- **Axle generates a lot of heat running down the road which increases air temperature & air pressure in wheel end.**
- **Without Venting - Pressure & temperature increases due to holding pressure in wheel end, the pressurized air soon finds easiest way out, typically a seal or gasket.**
- **Open Venting or Old Vent Plugs - Axle at full operating temperature suddenly cools (Submerged in water, pulls up in rain or dusty conditions), air pressure is reduced causing open vent or old plug to act like a straw. Lubrication is now contaminated which may causing rust & foaming.**

Solution: STEMCO Sentinel or Sentinel ESP+ Technology

WHY VENT A WHEEL END ?

WHEEL END PRODUCTS

STEMCO

HUB CAP PARTS & KITS



RUBBER PLUG (SMALL)
Part Number 359-5915



Plug Diameter 3/4" or 19mm

RUBBER PLUG (LARGE)
Part Number 359-5990



Plug Diameter 1-1/8" or 28.5mm

ESP + PLUG (Pack of 2)
Part Number 359-6124



Plug Diameter 1-1/8" or 28.5mm

FILLER PLUG (METAL)
Part Number 359-5984



Magnetic Plug 3/8" of 9.5mm

FILLER PLUG (COMPOSITE)
Part Number 641-0002



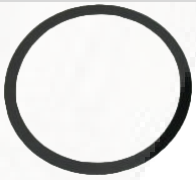
Magnetic Plug 3/8" of 9.5mm

WINDOW SCREWS
Part Number 359-6032



Window Screws (Set of 6)

WINDOW GASKET
Part Number 359-5991



Gasket Suit 3-1/2" or 88.9mm

WINDOW KIT
Part Number 359-5912



Window 4-3/8" or 111.1mm
Rubber Plug 3/4" or 19mm

WINDOW KIT
Part Number 359-5995



Window 3-1/2" or 88.9mm
Rubber Plug 1-1/8" or 28.5mm

WINDOW KIT
Part Number 359-5999



Window 2-3/4" or 69.8mm
Rubber Plug 1-1/8" or 28.5mm

WINDOW KIT
Part Number 359-6095



Gasket Suit 3-1/2" or 88.9mm
Dirt Exclusion (Grease Only)

WINDOW KIT
Part Number 359-6100



Window 3-1/2" or 88.9mm
Rubber Plug ¾" or 19mm

WINDOW KIT
Part Number 359-6112



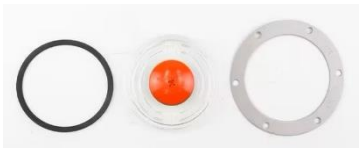
Window 3-1/2" or 88.9mm
Integrated Sentinel Plug

WINDOW KIT
Part Number 359-6143



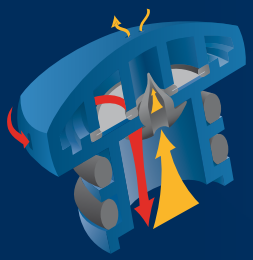
Window 2-3/4" or 69.8mm
Integrated Sentinel Plug

WINDOW KIT
Part Number 359-6145



Window 3-1/2" or 88.9mm
Integrated Sentinel Plug

EXCEPTIONAL PROTECTION FROM THE ELEMENTS



SENTINEL ESP PLUS

- Waterproof GoreTex Membrane
- A second O-ring increases plug retention.
- The umbrella check valve remains closed, stopping lubricant from leaking out and contaminants from flowing in.
- Shield protects venting mechanism from initial OE filling procedure and during normal vehicle operation.

ESP+ PLUG DEMO

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WHEEL END PRODUCTS

STEMCO

HUB CAP & DRIVE AXLE GASKETS

HUB CAP GASKET
Part Number 330-3009



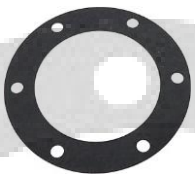
Bolt Holes 6
Bolt Circle 5-1/2" or 140mm
Bolt Size 5/16" or 8mm
Gasket I.D. 4-7/8" or 123mm
Gasket O.D. 6-1/4" or 159mm

HUB CAP GASKET
Part Number 330-3013



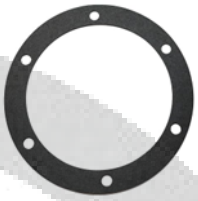
Bolt Holes 5
Bolt Circle 5-1/2" or 140mm
Bolt Size 5/16" or 8mm
Gasket I.D. 4-7/8" or 123mm
Gasket O.D. 6-1/4" or 159mm

HUB CAP GASKET
Part Number 330-3024



Bolt Holes 6
Bolt Circle 4-1/2" or 114mm
Bolt Size 5/16" or 8mm
Gasket I.D. 3-1/2" or 89mm
Gasket O.D. 5-1/4" or 133mm

HUB CAP GASKET
Part Number 330-3025



Bolt Holes 6
Bolt Circle 5-7/8" or 149mm
Bolt Size 5/16" or 8mm
Gasket I.D. 5" or 127mm
Gasket O.D. 6-1/2" or 165mm

HUB CAP GASKET
Part Number 330-3028



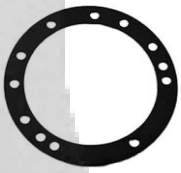
Bolt Holes 4
Bolt Circle 5" or 127mm
Bolt Size 1/4" or 6mm
Gasket I.D. 3-3/4" or 95mm
Gasket O.D. 5-3/4" or 146mm

HUB CAP GASKET
Part Number 330-3041



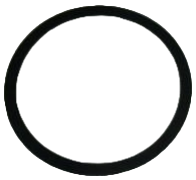
Bolt Holes 6
Bolt Circle 5-1/8" or 130mm
Bolt Size 5/16" or 8mm
Gasket I.D. 4-7/16" or 112mm
Gasket O.D. 5-3/4" or 156mm

HUB CAP GASKET
Part Number 330-3067



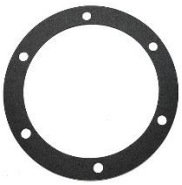
Bolt Holes 12 (Multifit)
Bolt Circle 5-1/2" or 140mm
Bolt Size 5/16" or 8mm
Gasket I.D. 4-7/8" or 123mm
Gasket O.D. 6-1/4" or 159mm

HUB CAP O-RING
Part Number 330-3077



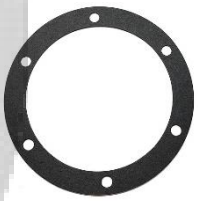
Screw Type Cap
Diameter 5-3/4" or 146mm

HUB CAP GASKET
Part Number 330-3118



Bolt Holes 6
Bolt Circle 6-3/4" or 173mm
Bolt Size 5/16" or 8mm
Gasket I.D. 5-29/32" or 150mm
Gasket O.D. 7-1/2" or 190mm

HUB CAP GASKET
Part Number 330-3122



Bolt Holes 6
Bolt Circle 5-1/2" or 140mm
Bolt Size 3/8" or 10mm
Gasket I.D. 4-7/8" or 123mm
Gasket O.D. 6-1/4" or 159mm

HUB CAP GASKET
Part Number 330-3128



Bolt Holes 6
Bolt Circle 5-7/32" or 132mm
Bolt Size 5/16" or 8mm
Gasket I.D. 4-3/16" or 106mm
Gasket O.D. 5-3/4" or 156mm

DRIVE HUB CAP GASKET
Part Number 330-3090



Bolt Holes 8
Bolt Circle 7" or 178mm
Bolt Size 5/8" or 16mm
Gasket I.D. 4-5/16" or 110mm
Gasket O.D. 8-1/4" or 210mm

DRIVE AXLE GASKET
Part Number 330-3106



Bolt Holes 8
Bolt Circle 7" or 178mm
Bolt Size 5/8" or 16mm
Gasket I.D. 6" or 152mm
Gasket O.D. 8-1/4" or 210mm

DRIVE AXLE GASKET
Part Number 330-3107

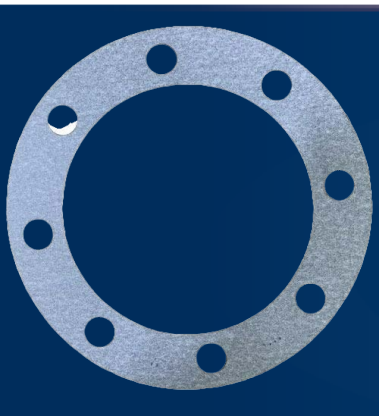


Bolt Holes 8
Bolt Circle 7" or 178mm
Bolt Size 3/4" or 19mm
Gasket I.D. 5-5/8" or 143mm
Gasket O.D. 8-1/2" or 216mm

DRIVE AXLE GASKET
Part Number 330-3111



Bolt Holes 8
Bolt Circle 7" or 178mm
Bolt Size 5/8" or 16mm
Gasket I.D. 5-3/4" or 146mm
Gasket O.D. 8-3/8" or 213mm



ENSURE THE BEST PERFORMANCE

STEMCO gaskets are made to exacting specifications for direct fit, form, and function.

STEMCO gaskets help lower maintenance costs, improve performance and are made of high-quality materials for superior durability to meet the requirements of today's national and international fleets

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WHEEL END PRODUCTS

STEMCO

THE NEW STANDARD IN AXLE FASTENERS



PRO-TORQ®





ZIP-TORQ AUTO-TORQ SPACERTECH







MAKE	MODEL	THREAD & KEEPER	PRO-TORQ ASSY	PRO-TORQ KEEPER	ZIP-TORQ	AUTO-TORQ	SPACER TECH
STEER AXLE							
MERITOR / ROCKWELL **DANA / EATON / SPICER** **HENDRICKSON**	FG-SERIES, MFS-66 MFS13-MFS14 E-SERIES (POST 2005) I- SERIES AIRTEK, STEERTEK	**1-1/2”-12** COURSE THREAD D-WASHER	**448-4836**	*450-4836*	400-4836		
MERITOR / ROCKWELL **DANA / EATON / SPICER**	FE & FF SERIES E-SERIES (PRE 2005) EFA10-EFA13	**1-1/2”-18** FINE THREAD OPEN WASHER	**448-4837**	*450-4837*	400-4837		
DANA / EATON / SPICER	E-SERIES (POST 2005)	**1-1/2”-12** COURSE THREAD OPEN WASHER	**448-4838**	*450-4837*			
MERITOR / ROCKWELL **MACK**	FF-HD Kenworth FA537, 538	**1-5/8”-12**	**448-4839**	*450-4839*			
MERITOR / ROCKWELL **DANA / EATON / SPICER** **DETROIT / DAIMLER**	FH & FL SERIES, MFS-73 MFS16-MFS22 D2000 & D2200 EFA22-EFA24 DA-F 7.3 16,000# AF16-20	**1-3/4”-12**	**448-4865**	*450-4865*	400-4865		
DRIVE AXLE							
MERITOR / ROCKWELL **DANA / EATON / SPICER**	38,000# & 46,000#	**3-1/4”-12**	**449-4973**	*450-4973*	400-4973		
MACK	SW34 34,000# SW44 44,000#	**2-7/8”-12**	**449-4904**	*450-4904*	400-4904		
TRAILER AXLE							
TN / HN (COMMON)	TAPERED SPINDLE	**2-5/8”-16**	**447-4743**	*450-4743*	400-4743	**480-4743***	
TN (YORK) **RN** (ROCKWELL) **TN** (ROR)	TAPERED SPINDLE	**2-1/2”-16** **2”-16** **65MM-1.5**					**446-701H*** **446-702H*** **446-704H***
TP / HP	PARALLEL SPINDLE	**3-1/2”-12**	**447-4723**	*450-4723*	400-4723	**480-4723***	

* AUTO-TORQ IS ONLY AVAILABLE IN AUTO-TORQ WHEEL BEARING KITS
* SPACERTECH NUTS DESIGNED TO BE USED WITH SPACERTECH SPACER

UNRIVALED PRECISION AND SERVICE LIFE

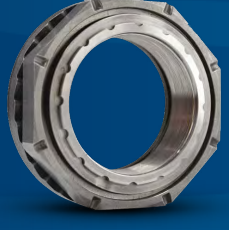
PRO-TORQ



ZIP-TORQ



AUTO-TORQ



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AXLE FASTENER SOCKETS



AXLE	THREAD	OEM	SOCKET	PRO-TORQ	ZIP-TORQ	AUTO-TORQ	SPACER-TECH
STEER AXLE							
MERITOR / ROCKWELL **DANA / EATON / SPICER** **HENDRICKSON** (Course Thread)	**1-1/2”-12** D-Washer	**INNER** **OUTER**	2-5/8” 6PT **1922STM** 2-1/4” 6PT **1920STM**	**448-4836** 2-1/2” 6PT **1921STM**	400-4836 2-1/8” 6PT **1901STM**		
MERITOR / ROCKWELL **DANA / EATON / SPICER** (Fine Thread)	**1-1/2”-18** Open Washer	**INNER** **OUTER**	2-5/8” 6PT **1922STM** 2-1/4” 6PT **1920STM**	**448-4837** 2-1/2” 6PT **1921STM**	400-4837 2-1/8” 6PT **1901STM**		
DANA / EATON / SPICER (Course Thread)	**1-1/2”-12** Open Washer	**INNER** **OUTER**	2-5/8” 6PT **1922STM** 2-1/4” 6PT **1920STM**	**448-4838** 2-1/2” 6PT **1921STM**			
MERITOR / ROCKWELL (FF-HD Kenworth) **MACK** (FA537, 538)	**1-5/8”-12**	**INNER** **OUTER**		**448-4839** 2-5/8” 6PT **1922STM**			
MERITOR / ROCKWELL **DANA / EATON / SPICER** **DETROIT / DAIMLER** (ALLIANCE)	**1-3/4”-12**	**INNER** **OUTER**	3-7/8” 6PT **1912STM** 2-1/2” 6PT **1921STM**	**448-4865** 3” 6PT **1906STM**	400-4865 2-7/8” 6PT **1932STM**		
DRIVE AXLE							
MERITOR / ROCKWELL **DANA / EATON / SPICER**	**3-1/4”-12**	**INNER** **OUTER**	4-1/8” 6PT **1915STM** 4” 6PT **1914STM**	**449-4973** 4-3/8” 8PT **1917STM**	400-4973 4” 6PT **1914STM**		**446-802H** 3-3/” 8PT **1925STM**
MACK (SW34, SW44)	**2-7/8”-12**	**INNER** **OUTER**		**449-4904** 3-1/2” 6PT **1910STM**	400-4904 3-1/2” 6PT **1910STM**		**446-801H** 3-3/4” 6PT **1926STM**
TRAILER AXLE							
TN / HN (COMMON)	**2-5/8”-16**	**INNER** **OUTER**	3-3/4” 8PT **1925STM** 3-1/4” 8PT **1909STM**	**447-4743** 3-3/4” 8PT **1925STM**	400-4743 3-1/4” 6PT **1908STM**	**480-4743** 98MM 8PT **1913ATSTM**	**446-700H** 3-3/4” 8PT **1925STM**
TN (YORK) **RN** (ROCKWELL) **TN** (ROR)	**2-1/2”-16** **2”-16** **65MM-1.5**	**INNER** **OUTER**	3-1/4” 8PT **1909STM**				**446-701H** **446-702H** **446-704H** 3-3/4” 8PT **1925STM**
TP / HP	**3-1/2”-12**	**OUTER**	4-3/4” 8PT **1941STM**	**447-4723** 4-13/16” 8PT **1941STM**	400-4723 4-1/8” 6PT **1915STM**	**480-4723** 122MM 8PT **1941ATSTM**	**446-708H** 4-3/4” 8PT **1941STM**
UNITIZED	**3-1/2-12**	**OUTER**	4-3/4” 8PT **1941STM**	**447-4723** 4-13/16” 8PT **1941STM**	400-4723 4-1/8” 6PT **1915STM**		





UNIVERSAL EXTERNAL THREAD CHASER SET

7402STM

WORKING CAPACITY 31MM TO 127MM (1-1/4" - 5")
6 PRECISION DIES TO RESTORE & REPAIR THREADS
METRIC: 1.0, 1.25, 1.5, 1.75, 2.0, 2.5, 3.0, 3.5 (MM)
SAE: 4, 5, 6, 7, 7.5, 8, 9, 10, 11, 11.5, 12, 14, 16, 18, 20, 24 (TPI)



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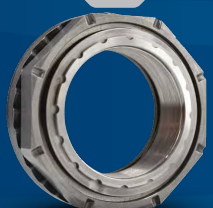
PRO-TORQ



ZIP-TORQ



AUTO-TORQ



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BEARING ADJUSTMENT PROCEDURE FOR STANDARD SPINDLE NUTS

TMC'S RP-618C WHEEL BEARING ADJUSTMENT PROCEDURE FOR STANDARD SPINDLE NUTS



Proper wheel bearing adjustment is critical to the performance of wheel seals and other related wheel end products. For that reason, we are proud to be a part of TMC's Wheel End Task Force.

We are happy to bring these standards in the form of this technical guide. Working together in this way, STEMCO® helps keep rigs rolling.

The following RP-618C seven-step bearing adjustment recommendation for standard spindle nuts was developed by TMC's Wheel End Task Force. It represents the combined input of manufacturers of wheel end components.

INSTALLATION PROCEDURE

Prepare hub assembly and spindle prior to install. The bearings and seal should be properly installed, refer STEMCO Technical Publications. The spindle needs to be cleaned and threads need to be inspected for defects.

STEP 1

Lubrication

Lubricate the wheel bearing and back-face of the adjusting nut with clean lubricant of the same type used in the axle sump or hub assembly.

STEP 2

Initial Adjusting Nut Torque

Tighten the adjusting nut to a torque of 200 ft-lb while rotating the wheel hub assembly.

STEP 3

Initial Back Off

Back the adjusting nut off one full turn.

STEP 4

Re-Torque Adjustment

Re-torque adjusting nut to 50 ft-lb while rotating the wheel hub assembly.

STEP 5

Final Back Off

AXLE TYPE	THREADS PER INCH	FINAL BACK OFF
Steer (Single Nut)	12 18	1/6 Turn* 1/4 Turn*
Steer (Double Nut)	14 18	1/2 Turn 1/2 Turn
Drive	12 16	1/4 Turn 1/4 Turn
Trailer	12 16	1/4 Turn 1/4 Turn

*Install cotter pin to lock axle nut in position.

Install lock ring & star tab lock washer

STEP 6

Jam Nut Torque

AXLE TYPE	NUT SIZE/ TYPE	TORQUE SPECIFICATIONS
Steer (Double Nut)	Less Than 2 5/8"	200-300 ft-lb
Drive	Dowel-Type Washer Tang-Type Washer	300-400 ft-lb 200-275 ft-lb
Trailer	2 5/8" and Larger	200-300 ft-lb

STEP 7

Acceptable End Play

The dial indicator should be attached to the hub or brake drum with its magnetic base.

Adjust the dial indicator so that its plunger is against the end of the spindle with its line of action approximately parallel to the axis of the spindle.

Grasp the wheel or hub assembly at the 3 o'clock and 9 o'clock positions. Push and pull the wheel end assembly in and out while oscillating the wheel approximately 45 degrees.

Stop oscillating the hub so that the dial indicator tip is in the same position as it was before oscillation began.

Read the bearing end play as the total indicator movement.

NOTE:
Acceptable end play is 0.001"- 0.005".

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BEARING ADJUSTMENT PRO-TORQ® AND ZIP-TORQ® INSTALLATION PROCEDURE



INSTALLATION PROCEDURE FOR HUBS WITH MANUALLY ADJUSTED WHEEL BEARINGS

Prepare hub assembly and spindle prior to install. The bearings and seal should be properly installed, refer STEMCO Technical Publications.
The spindle needs to be cleaned and threads need to be inspected for defects.

STEP 1

Remove the Keeper From the Nut

When using Pro-Torq, use a screwdriver to carefully pry the keeper arm from the undercut groove on each side until the keeper is released.

STEP 2

Thread the Nut Onto the Axle

Lubricate the back-face of the axle nut with same lubrication used in wheel end. Thread the nut onto the axle until hand tight against the bearing.

STEP 3

Seat the Bearing

1. Using a torque wrench:
   (A) Tighten the nut to 200 ft-lb. Spin the wheel hub assembly at least one full rotation.
   (B) Tighten the nut to 200 ft-lb. Spin the wheel hub assembly at least one full rotation.
   (C) Tighten the nut to 200 ft-lb. Spin the wheel hub assembly at least one full rotation.
2. Back the nut off one full rotation.

STEP 4

Adjust the Bearing

1. Using a torque wrench:
   (A) Tighten the nut to 100 ft-lb. Spin the wheel hub assembly at least one full rotation.
   (B) Tighten the nut to 100 ft-lb. Spin the wheel hub assembly at least one full rotation.
   (C) Tighten the nut to 100 ft-lb. Spin the wheel hub assembly at least one full rotation.
2. Back the nut off one face mark (according to chart).

Final Back Off

PRO-TORQ PART #	ZIP-TORQ PART #	BACK OFF
TRAILER AXLE FASTENER		
447-4723, 447-4724, 449-4973	400-4723, 400-4973	1/8 turn
447-4743	400-4743	1/4 turn
STEERING AXLE FASTENER		
448-4836, 448-4838, 448-4839, 448-4863, 448-4865, 448-4864	400-4836 400-4865	1/4 turn
448-4837, 448-4840	400-4837	1/3 turn
DRIVE AXLE FASTENER		
449-4904, 449-4973, 449-4974, 449-4975	400-4973	1/8 turn



STEP 5

Install the Keeper *(Skip this step if Zip-Torq)*

Orange side facing out:

1. Insert the keeper tab into the undercut groove of the nut and engage the keyway tang in the axle keyway. Insert keeper tab with the orange side facing out.
2. Engage the mating teeth.
3. Compress and insert the keeper arms, one at a time, into the undercut groove with a screwdriver.

For Steering Spindle Nut:

448-4836, 448-4839, 448-4840, 448-4863, 448-4864, and 448-4865

1. Align the flat of the keeper with the milled flat on the spindle and insert the single keeper tab into the undercut groove of the nut. Insert keeper tab with the orange side facing out.
2. Engage the mating teeth.
3. Compress and insert the keeper arms, one at a time, into the undercut groove with a screwdriver.

NOTE: Recommended practice is to replace the keeper each time the Pro-Torq nut assembly is removed for maintenance purposes.

STEP 6

Inspect the Installation

Failure to follow this instruction could cause the wheel to come off and cause bodily injury. When using Pro-Torq, make sure that the keeper tab and keeper arms are fully seated into the undercut groove. Inspect keyway tang to ensure it does not contact the bottom of the keyway. If contact exists, immediately notify STEMCO.

This procedure will consistently produce a bearing setting of 0.001" to 0.003" end play.

STEP 7

Acceptable End Play

The dial indicator should be attached to the spindle with its magnetic base. Adjust the dial indicator so that its plunger is against the end of the hub face with its line of action approximately parallel to the axis of the spindle. If spindle mounting is not possible, the dial indicator should be attached to the hub and aligned to indicate on the spindle. Grasp the wheel or hub assembly at the 3 o'clock and 9 o'clock positions. Push and pull the wheel end assembly in and out while oscillating the wheel approximately 45 degrees. Stop oscillating the hub so that the dial indicator tip is in the same position as it was before oscillation began. Read the bearing end play as the total indicator movement.

NOTE: Acceptable end play is 0.001"- 0.005".

For single-nut self-locking systems, consult manufacturers' specifications.
STEMCO assumes no responsibility for bearing warranty.

INSTALLATION PROCEDURE FOR PRESET, CONMET, LMS HUBS OR SPACER SYSTEMS.

IMPORTANT

Zip-Torq spindle nuts may be used with PreSet, Spacer, ConMet, Spacer-Tech or LMS hub assemblies.

When used with these systems, it is important to follow the hub manufacturers' product-specific installation instructions.

For PreSet and LMS hub assemblies, torque the spindle nut to a minimum of 250 ft-lb. Engage the keeper.

If the keeper cannot be engaged, advance the spindle nut until it can be engaged.

DO NOT BACK OFF THE SPINDLE NUT.



WARNING

Failure to follow this instruction could cause the wheel to come off and cause bodily injury. STEMCO axle fasteners are sold as an assembly with the keeper in place.

DO NOT attempt to place the nut on the spindle or tighten or loosen the nut on the spindle while the keeper is installed inside the nut. Doing so may deform the keeper and allow the nut to unthread during operation.

Spindle thread damage could also occur, leaving the axle unusable.

DO NOT bend or manipulate keyway tang in any way. Doing so may cause the tang to break off in service. Failure to back off the axle fasteners on non pre-adjusted systems will cause the bearings to run hot and be damaged.

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BEARING ADJUSTMENT PROCEDURE FOR AUTO-TORQ® FASTENER



THIS PROCEDURE WILL CONSISTENTLY SET THE BEARINGS IN AN OPTIMUM STATE OF PRE-LOAD PER SAE J2535. ENDPLAY READING SHOULD BE 0.000" AND THE WHEEL END ASSEMBLY SHOULD SPIN FREELY.

AUTO-TORQ® SHOULD NOT BE USED WITH ANY SPIDER HUB ASSEMBLY, WHEEL END SPACER SYSTEM OR AXLE WITH SPINDLE WEAR.



WARNING
Failure to follow this instruction could cause the wheel to come off and cause bodily injury.

INSTALLATION PROCEDURE

Prepare hub assembly and spindle prior to installing Auto-Torq. Bearings and seal should be properly installed, refer STEMCO Technical Publications. The spindle needs to be cleaned and threads need to be inspected for defects.

NOTE: Any damage to the threads may affect the ability of the Auto-Torq to fully seat the bearings.

Be sure to inspect the threads of the spindle and always verify the installation with a dial indicator.

Step 1

After docking the hub on a clean prepared spindle, insert the outer bearing, lubricate the back-face of the axle nut with same lubricant used in wheel end and thread the fastener onto the axle until hand tight against the bearing.

Step 2

With a breaker bar (or torque wrench set to at least 100ft-lbs), tighten the fastener until you hear a prominent/distinct "clicking/ratcheting" noise.

- This feedback indicates that the fastener is limiting. You may hear/feel more subtle "clicking" prior to this more prominent limiting point that is the caused by the locking mechanism starting to engage. *(Optional Step - Mark the end of the spindle and axle nut face with a line using a paint pen).* Continue to tighten till the feedback is much more pronounced to ensure that the fastener is limiting properly.
  NOTE: You cannot "overtighten" this fastener, so if there is any doubt, continue to tighten to confirm the fastener has reached the limiting point.
- The fastener will limit on its own before 75ft-lbs, so using a torque wrench set to at least 100ft-lbs will ensure the wrench performs essentially like a breaker bar and allow the fastener to reach its designed limit point. **DO NOT** use an impact gun to tighten this fastener as it may damage the internal components.

Step 3

With hub or hub/drum only:

- Tighten the fastener (1) full rotation past this limiting point, then spin the hub at least (1) full rotation. Rotating the hub necessary to help seat the bearings.
- Repeat the above step until you have tightened the fastener minimum 5 full rotations past its initial limiting position, rotating the hub between each turn of the fastener, *(Optional Step - inspect the paint pen line on the axle nut to advance as bearings seat, should have come to a stop after the 5 full rotations).*
- **DO NOT** back off the axle fastener. *(Optional Step - Mark the end of the spindle and axle nut with a line using a different colour paint pen).*

With hub/drum/wheels:

- Tighten the fastener minimum (5) full rotation past this limiting point while the wheel is rotating *(Optional Step - inspect the paint pen line on the axle nut to advance as bearings seat, should have come to a stop after the 5 full rotations).*
- **DO NOT** back off the axle fastener. *(Optional Step - Mark the end of the spindle and axle nut with a line using a different colour paint pen)*

INSPECT THE INSTALLATION

Step 1

Inspect keyway tang to ensure it does not contact the bottom of the keyway. If contact exists, immediately notify STEMCO.

Step 2

Upon completion of installation ensure the wheel-end rotates freely.

Step 3

Measure and record endplay in the wheel-end with a dial indicator.

- Endplay should be 0.000" for all units assembled with the Auto-Torq fastener. This is normal, as these wheel ends will be set in slight preload.
- Endplay greater than 0.001" indicates an assembly is not seated properly. Remove the wheel end and inspect components prior to reassembly. Notify STEMCO if this persists.
- The dial indicator should be attached to the hub with its magnetic base.
- Adjust the dial indicator so that its plunger is against the end of the spindle with its line of action approximately parallel to the axis of the spindle.
- Grasp the wheel/hub assembly at the 3 o'clock and 9 o'clock positions.
- Pull the wheel end assembly outward while oscillating the wheel approximately 5^{o}.
- While continuing to pull, stop oscillating and read the indicator. (Note position of dial indicator.)
- Push the wheel assembly inward while oscillating. While continuing to push, stop oscillating at the same position as it was before in the pull direction and read the indicator.
- Read bearing end play as total indicator movement.

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STEERING PRODUCTS™



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KAISER™ STEERING COMPONENTS CATALOG



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NO-REAM KING PINS

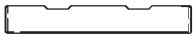


AXLE MAKE	AXLE CODE	OE & COMPETITOR KIT NUMBER	OE PIN SPECS	CAP SPECS	PLUSKIT	QWIKKIT
ROCKWELL / MERITOR	FF-931, FF-932, FF-933 FF-934, FF-941, FF-942 FF-943, FF-944, FF-945	549800C91, R200195, R201307 R201370, R202014	B 1.794" x 10.40"	BOLTED PLATE	70.931.12	K931L
ROCKWELL / MERITOR	02-ARG, FG-931, FG-933 FG-941, FG-943, FG-952 MFS-13101, MFS-13143 MFS-14101, MFS-14143	R201471, R201309, R201310 R201319, R202042, R203010 R201321, R202010 R203027	B 1.794" x 10.40"	BOLTED PLATE	77.931.18	KG931R
ROCKWELL / MERITOR	FL-931, FL-933, FL-941 FL-943, FL-951, FH-951 MFS-20142	R201477, R200198, R201312 R200285, R202011, R202041 R202044, R203011	B 1.999" x 11.21"	BOLTED PLATE	78.931.12	KH931L
ROCKWELL / MERITOR	MFS-12, MFS-13, MFS-66	R201608, R202056	B 1.794" x 9.02"	THREADED CAP	79.131.18	K131R
ROCKWELL / MERITOR	02-ARU, MFS-16101 MFS-16122, MFS-16143 MFS-18143, MFS-73	R201475, R201607 R202031, R203040	B 1.999" x 11.21"	3 BOLT PLATE	70.180.18	K180R
ROCKWELL / MERITOR	MFS-18135, MFS-20135 MFS-75	R201613	B 1.999" x 10.31"	THREADED CAP	70.182.18	K182R
DETROIT / DAIMLER / ALLIANCE	DA-F 7.3T 16,000LB AF16.0-5, AF18.0-3, AF20.3-3	6073300419K *(L/HAND)* 6073300519K *(R/HAND)*	B 2.125" x 9.75"	THREADED CAP		K160A
SPICER / DANA / EATON	02-AEA, EFA10F5, EFA12F4 EFA13F5	1651921C91, 815984 1008434, V1112810	A 1.625" x 9.19"	THREADED CAP	70.120.05	K120E
SPICER / DANA / EATON	02-AED, 02-AEG, E1200I/W E1201I/W, E1320I/W	328342, 328344, 823079 816787, KPK3016	A 1.794" x 9.05"	THREADED CAP	70.122.05	K122E
SPICER / DANA / EATON	I-100W, I-132SG, I-140S I-140SG, I140W, I-146	329022, 1668412C91 140KK100, 8305211 KPK1158, KPK306	B 2.046" x 10.12"		70.141.19	K141S
SPICER / DANA / EATON	E1460I/W	824530, 824920, 328345 328343, 329404 329405, KPK3016	A 1.872" x 9.05"		70.146.05	K146E
SPICER / DANA / EATON	02-AEZ, 02-AGB, 02-AGC 02-AGE, E1002I/W, E1202I/W E1322II/W, E1462I/W	328347, 328349, 503701 KPK3002	C 1.872" x 9.05"	THREADED CAP	70.147.05	K147E
SPICER / DANA / EATON	EFA18F, EFA20F, EFA22/24T	329432, 329433, 329434	A 1.872" x 9.97"		70.180.05	K180E
SPICER / DANA / EATON	FA-329, FA-337, FA-339, FA-342 I-108, I-120, I-132	399942C93, 588808C91 309KK105, 343KK100, 343KK103	B 1.609" x 9.65"	BOLTED PLATE	70.140.09	K140I
SPICER / DANA / EATON	D2000F, D2200F	331435, 220KK300	C 2.046" x 10.07"	THREADED CAP	70.201.19	K201S
MACK / VOLVO	FA-522, FA-523, FA-532 FA-538, FA5221, FA5231	301SQ47CP, 301SQ47D 301SQ47E	F 1.625" x 7.46"	THREADED CAP	70.533.13	K533M
MACK / VOLVO	FXL12, FXL14.6, FXL18, FXL20 FXL23, FM9, FM12	301SQ53, 85108338	E 2.360" x 8.92"			K536M
MACK / VOLVO	FA-616, FA617	301SQ52	F 2.125" x 8.75"	THREADED CAP	70.616.13	K616M
HENDRICKSON	AIRTEK, SOFTEK, STEERTEK 64905-004	60961-009, 60961-039, 60961-040 00063313, 20751021, 85104370, 85104371		ECONOKIT	50.121.08	

PIN TYPE CHART:

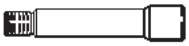

A – SINGLE LOCK FLAT


B – DOUBLE LOCK FLAT

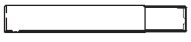

C – SAME SIDE LOCK FLATS


E – TAPERED THREADED


F – TAPERED


G – STEP THREADED


H – NO LOCK FLATS


J – SINGLE STEP

PLUSKIT®
NO-REAM BI-METAL BRONZE BUSH



QWIKKIT®
NO-REAM SPIRAL STEEL BUSH



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KAISER

KING PIN TOOLING



PLUSKIT	QWIKKIT	BUSH/SEAL DRIVER	QWIKKIT T-HANDLE	REPLACEMENT HEAD	NO-GO GAUGE	LIP SEAL	HARDWARE KIT
70.931.12	K931L	ST70-7	ST-100-1	100M1-1	ST81-1	91P1-29	H931L
77.931.18	KG931R	ST70-7	ST-100-1	100M1-1	ST81-1	91P1-29	HG931R
78.931.12	KH931L	ST70-12	ST-100-1	100M1-1	ST81-6	91P1-15	HH931L
79.131.18	K131R	ST70-7	ST-100-1	100M1-1	ST81-1	91P1-29	H131R
70.180.18	K180R	ST70-12	ST-100-1	100M1-1	ST81-6	91P1-15	H180R
70.182.18	K182R	ST70-12	ST-100-1	100M1-1	ST81-6	91P1-15	H182R
	K160A	ST70-31				91P1-48	H160A
70.120.05	K120E	ST70-6	ST-100-1	100M1-1	ST81-4	91P1-25	H120E
70.122.05	K122E	ST70-7	ST-100-1	100M1-1	ST81-1	91P1-29	H122E
70.141.19	K141S	ST70-24	ST-100-1	100M1-1		91P1-34	H141S
70.146.05	K146E	ST70-23	ST-100-3	100M1-2	ST81-5	91P1-36	H146E
70.147.05	K147E	ST70-23	ST-100-3	100M1-2	ST81-5	91P1-36	H147E
70.180.05	K180E	ST70-23	ST-100-3	100M1-2	ST81-5	91P1-36	H180E
70.201.19	K201S	ST70-24	ST-100-1	100M1-1		91P1-34	H201S
70.140.09	K140I	ST70-5	ST-100-1	100M1-1		91P3-1	H140I
70.533.13	K533M	ST70-6	ST-100-1	100M1-1		91P1-11 91P1-12	H533M
	K536M		ST-100-1	100M1-1		91P10-1 91P11-1	H536M
70.616.13	K616M	ST70-18	ST-100-1	100M1-1		91P1-21 91P1-22	H616M
ECONOKIT 50.121.08		ST70-32				91P1-44	

BUSH & SEAL DRIVER

ST70-**



HOW TO USE BUSH & SEAL DRIVER

SPECIALLY DESIGNED TO REMOVE & INSTALL LIP SEALS & BUSHES CORRECTLY & HASSLE FREE

QWIKKIT T-HANDLE

ST-100-*



HOW TO USE QWIKKIT T-HANDLE

SPECIALLY DESIGNED TO REMOVE & INSTALL QWIKKIT SPIRAL BUSH CORRECTLY & HASSLE FREE

JOURNAL HONE

1047STM



DESIGNED TO HELP CLEAN UP KING PIN JOURNAL BEFORE BUSH INSTALL



STK81

NO-GO GAUGE KIT

TAKE THE GUESS WORK OUT OF MEASURING YOUR AXLE EYE WEAR, SIMPLY GO OR NO-GO

This NO-GO Gauge Kit will quickly diagnose the axle condition, saving repair time and the expense of installing a new king pin in a worn axle.

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STEERING PRODUCTS

KAISER™

STEERABLE TRAILER NO-REAM KING PINS



PLUSKIT	QWIKKIT	BUSHING DRIVER	OE CROSS NO.	AXLE MAKE / APPLICATION
70.700.20	K700T	ST70-29	700040-KIT	IMT / DEXTER / TMC
70.230.07	K230KG	ST70-29	KA531 / 98785-068	KGI / Hendrickson KGS230
	K300Y	Hand Installed	S-2395	Eveley International Corp.
70.961.12	K961L	ST70-7	SRK102	Watson Chalin
70.981.18	K981R	ST70-7	N/A	Watson Chalin
78.931.12	KH931L	ST70-12	N/A	Watson Chalin
70.126.23	K126W	ST70-33	188033, 143698-0051	McNelius, Westport
70.127.23	K127W	ST70-33	001434, 143698-0052	Hendrickson, Westport
	K120H	ST70-33	003270 & 003200	Hendrickson

	OEM KIT	STEMCO KAISER KIT
King pin and bushings	✓	✓
Complete hardware kit	✗	✓
Grooved king pin	✗	✓
No ream bushings	✗	✓
Greaseable end caps	SOME	✓
Enhanced thrust washer	SOME	✓
Bushing driver tools available	✗	✓



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BRONZE BUSH



QWIKKIT®
NO-REAM SPIRAL
STEEL BUSH



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STEERING PRODUCTS



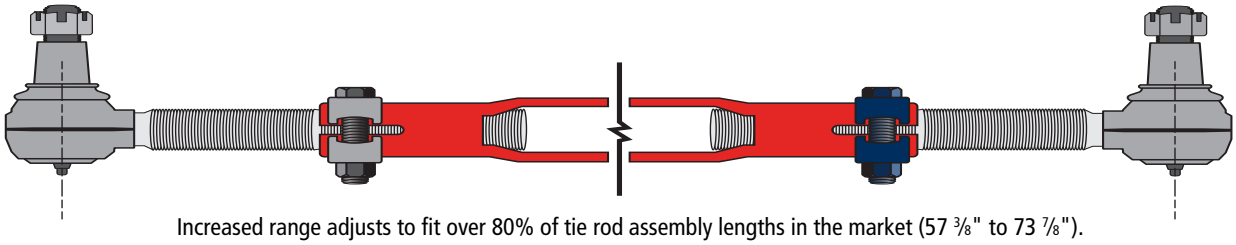
QWIKTIE

HEAVY DUTY UNIVERSAL ADJUSTABLE TIE ROD ASSEMBLY



AXLE MAKE	AXLE CODE	OE TUBE	OE L/H TIE ROD END	OE R/H TIE ROD END	QWIKTIE ASSEMBLY	QWIKTIE L/H END	QWIKTIE R/H END
ROCKWELL / MERITOR	FE- Series, FF-Series FG-Series, MFS-8 MFS-10 MFS-12, MFS-13, MFS-14 MFS-66	A23210K4379 A23102L4380	R230068, E-4614 R230421, E-4617 R230140	R230069, E-4615 R230420, E-4616 R230139	QT967SS	QTE967L	QTE967R
SPICER / DANA / EATON	D600N/F, D700N/F D800F/W, E1002I/W E1202I/W, E1302I E1322I, EFA10, EFA12 EFA13	815326, 971443 140TR105 140TR100	310456, 817018 140TR110	310455, 817019 140TR109	QT967SS	QTE967L	QTE967R
HINO / MERITOR	NE (1OK Axle), NJ-Series NV-Series, MFS-08	S454-612260 A3102L4380	R230068	R230069	QT967SS	QTE967L	QTE967R
HENDRICKSON	AIRTEK (Steer Axle)	64006-002 64006-003 98785-169	60961-027 98785-187	60961-028 98785-188	QT967SS	QTE967L	QTE967R
ROCKWELL / MERITOR	FH-Series, FL-Series MFS-16. MFS-18, MFS-20 MFS-22, MFS-73, MFS-75	A13102Q4541	R230070, E-4628 R230072, R230104 A3144A547	R230071, E-4629 R230073, R2300105 A3144Z546	QT108SB	QTE108L	QTE108R
DETROIT / ALLIANCE	DA-F 7.3T 16,000LB AF16.0-5, AF18.0-3 AF20.3-3				QT108SB	QTE108L	QTE108R
SPICER / DANA / EATON	D2000F, D2200F, E1320W E1322W, E1460I, E1462I/W EFA18, EFA20, EFA22, EFA24	817755 971092 220TR114-1 220TR129-2	220TR115 220TR118 818472	220TR116 220TR119 818471	QT108SB	QTE108L	QTE108R
QWIKTIE HEAVY DUTY TUBE		FITS ALL KAISER QWIKTIE APPLICATIONS			QTT5773		

OEM TIE ROD ENDS WILL NOT FIT QWIKTIE TUBE, QWIKTIE ROD END WILL NOT FIT OEM TUBE, PART NUMBERS ARE FOR REFERENCE ONLY



Increased range adjusts to fit over 80% of tie rod assembly lengths in the market (57 ⅜" to 73 ⅞").

QWIKTIE REFERENCE CARD **577-0112**



MEASURE & IDENTIFY OEM TIE ROD QUICK & EASY



QWIKTIE® VERSATILE, EFFICIENT, SAFE

QWIKTIE Patented design increases simplicity and safety.
The STEMCO QWIKTIE tie rod assembly offers a highly adaptable solution that can accommodate over 80% of the straight tie rod lengths with just two part numbers



STEERING PRODUCTS

QWIKTIE

HEAVY DUTY UNIVERSAL ADJUSTABLE TIE ROD ASSEMBLY

Features & Benefits

- **Only 2 Part Numbers Required:** QWIKTIE's two assemblies cover 80% of the North American market, meaning distributors, fleets and workshops can greatly reduce their inventory
- **Thicker Tube:** Greater strength equals less chance of damage to tube & resultant downtime & replacement costs
- **3 Clamping Slots on Tube, Not 2:** Provides greater clamping strength than OE two-slot tubes
- **Shorter Clamping Slots:** Greatly reduce the chance of contamination entering tube
- **Double Cut Thread:** Provide greater contact surface area between rod and tube for better fit. Enables finer increments of adjustment to improve tyre and fuel mileage
- **Longer Tie Rod Thread:** Allows greater extension of the tie rod and enables QWIKTIE to be used in multiple applications
- **Extension Limit Indicator Cut Into Thread:** Prevents tie rod ends being extended too far

QWIKTIE Q&A

- **How do I remember which QWIKTIE assembly is for which application?**
  The red capped assembly is for the large 16,000 pound to 20,000 pound application. Just remember "Big Red"
- **Do I have to use STEMCO QWIKTIE tie rod ends with the QWIKTIE tube?**
  Yes, the double cut thread is unique to QWIKTIE tubes and tie rod ends
- **Does the blue clamp face the same side of the vehicle regardless of whether the vehicle is LHD or RHD?**
  Yes, as stated in the instructions, the blue clamp is always to the driver's right hand
- **How much stronger is QWIKTIE than the OE product?**
  QWIKTIE #QT108SB for 16,000 pound to 20,000 pound applications is 130% stronger than OE
  whilst QWIKTIE #QT967SS for 12,000 pound applications is 240% stronger than OE
- **Do the QWIKTIE tie rod ends require greasing?**
  Yes, the tie rod ends include a grease nipple. Follow normal greasing practises
- **How long are the QWIKTIE assemblies?**
  Both QWIKTIE assemblies adjust from 57 3/8" (145.7cm) to 73 7/8" (187.6cm)
- **Do the tie rod ends feature both left right hand threads?**
  Yes. Left side features LH thread and right side features RH thread
- **Are tie rod end nuts the same size for both QT967SS and QT108SB assemblies?**
  Yes





SVT | STEMCO® VEHICLE TECHNOLOGY



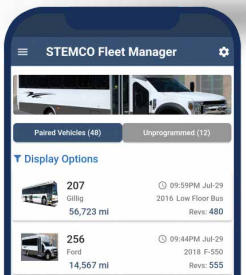
STEMCO®

NEVER MISS A MILE

INNOVATIVE MILEAGE SOLUTIONS







STEMCO®

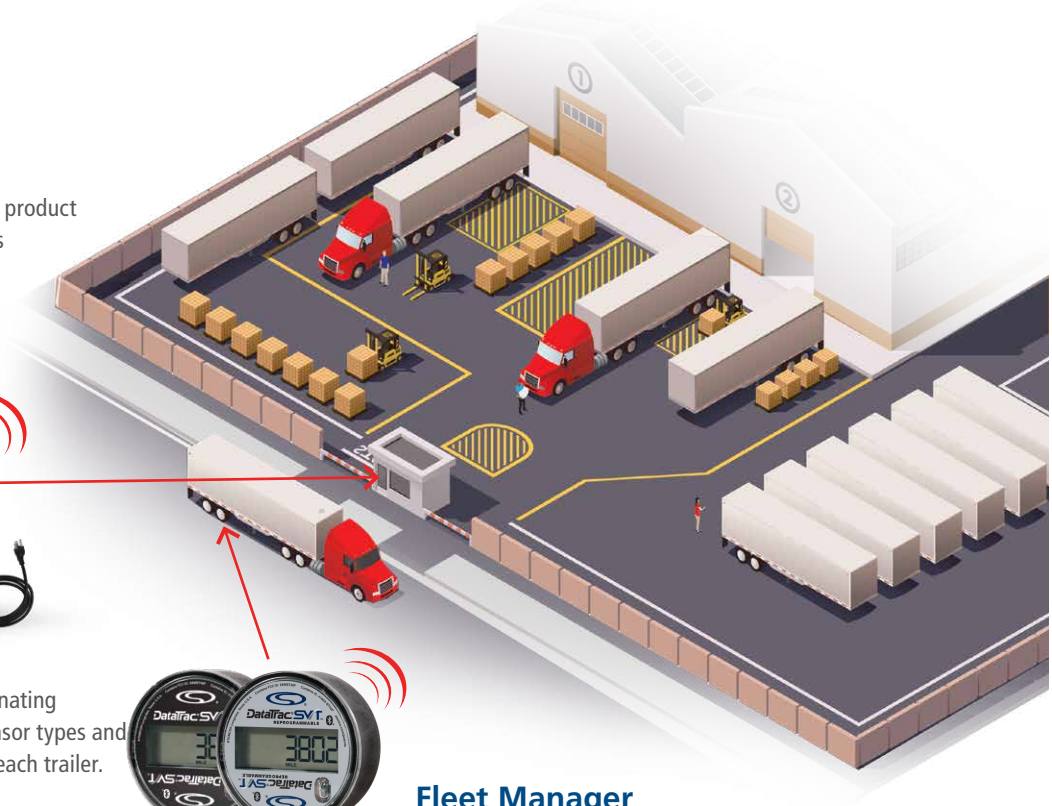
Making the Roadways Safer®

MILEAGE SOLUTIONS



STEMCO® VEHICLE TECHNOLOGY

STEMCO Vehicle Technology (SVT) indicates a STEMCO product that is equipped with smart technology. STEMCO offers several mileage solutions products shown below that are designed with SVT. With better access to data, STEMCO products help improve maintenance efficiency, while increasing fleet safety.



GATE READER | SVT

Automate and manage mileage and fuel information to improve fleet operations with the GateReader SVT, an innovative solution to better inform personnel by automatically collecting readings.



The STEMCO GateReader SVT is WiFi compatible, eliminating monthly cellular charges. It reads all DataTrac® SVT sensor types and eliminates the need for costly telematics hardware for each trailer.



WEB PORTAL | SVT

WebPortal SVT wirelessly collects readings from the GateReader SVT. Providing the right information at the right time, WebPortal SVT helps reduce labor and maintenance costs.

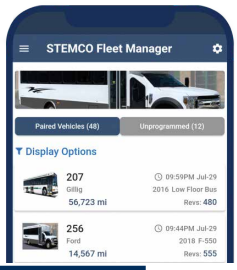
SVT Download Pod product number: 820-0001

DataTrac® SVT

Provides mileage data collection and can be used to schedule maintenance by mileage activity rather than time. DataTrac® SVT can be used in conjunction with the HandReader SVT or STEMCO GateReader SVT to capture, download and analyze accurate mileage data.

Fleet Manager Cell Phone Application

Access information you need quickly from your mobile phones with STEMCO's Fleet Manager App. Easily downloadable and available for multiple users, it's a convenient way for you to keep personnel informed of new opportunities for improving fleet operations.



FEATURE	SYNC SERVER SYSTEM	WEB PORTAL SYSTEM
Mobile App Compatible	✓	✓
Multi-User Data Syncing	✓	✓
User Permission Tri-Level Controls (Admin, Power, Base)	✓	✓
Software Fees	Free	Trial period followed by paid subscription
Security Model	Basic	Enhanced
User Management Model	Basic, mobile app based	Full, User Management Model on the Web Portal
Multi-Terminal Support		✓
Gate Reader Compatible		✓
Historical Record Retention	*	5 years
Web Portal Interface		✓
Business System API Integration Available		✓
Fuel and Fluids Logging		✓

*Customer can save real-time snapshots of information to a .csv file sent via email.



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HUBODOMETERS



Mechanical Hubodometers

FAST MOVERS	*Tyre Size*	*Revs*
650-0536	11R22.5 - 15R22.5 - 295/85R22.5	311
650-0549	11R17.5 - 225/70R22.5 - 255/70R22.5	357
650-0724	255/80R22.5 - 275/70R22.5	342



DataTrac Electronic *(Pre-Programmed)*

FAST MOVERS	*Tyre Size*	*Revs*
600-4311	11R22.5 - 15R22.5 - 295/85R22.5	311
600-4342	255/80R22.5 - 275/70R22.5	342
600-4357	11R17.5 - 225/70R22.5 - 255/70R22.5	357



DataTrac Pro Electronic *(Programmable)*

Part Number **600-9999**
Unit must be programmed to suit Tyre Size (Refer to STEMCO Rev's Per KM Listing)
Unit can be programmed with pre-set KM's & Trip Feature, use Programmer 801-6000.



TracBat RF SVT *(Radio Frequency Unit)*

Part Number **604-8005**
Unit must be programmed to suit Tyre Size (Refer to STEMCO Rev's Per KM Listing)
Unit can be programmed with pre-set KM's & Trip Feature, use Programmer 801-6000.



DataTrac BLE SVT *(Bluetooth Hubodometer Unit)*

Part Number **607-8004**
Unit must be programmed to suit Tyre Size (Refer to STEMCO Rev's Per KM Listing)
Unit can be programmed with pre-set KM's & Trip Feature, use STEMCO Phone App.



DataTrac Programmer *(DataTrac Pro & TracBat Only)*

Part Number **801-6000**
Programmer for DataTrac Pro & DataTrac SVT Hubodometers.
To suit Revs per KM for Tyre Size & pre-set KM's & Trip Feature



SVT Hand Reader *(Radio Frequency Unit)*

Part Number **820-1000**
Hand Reader & USB Download POD – Starter Kit
Wireless Hand Reader to capture sensor data & fuel usage information.



SVT Gate Reader

Automate & Manage mileage information to improve fleet operations with Gate Reader by automatically collecting readings from DataTrac SVT Hubodometers.



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HUBODOMETER MOUNTS



Window Kit

Part Number 359-6117

Fits Aluminum STEMCO Hub Cap with Window Unit
NOT SUITABLE when wheel end vent is required.

Fits Aluminium
4009, 4075, 4195 Series
Suits ALL STEMCO Hubodometers



Hub Cap Bolt Mount

Part Number 610-0065

Suits all STEMCO 4009 Hub Caps or 5-1/2” Bolts Circle
Popular Tapered Spindle Trailer Application
SUITABLE when wheel end vent is required

Fits Aluminum & Defender
4009 Series
Suits ALL STEMCO Hubodometers



Hub Cap Bolt Mount

Part Number 610-0084

Suit all STEMCO 4195 Hub Caps or 6-3/4” Bolt Circle
Popular Parallel Spindle Trailer Application
SUITABLE when wheel end vent is required

Fits Aluminum & Defender
4195 Series
Suits ALL STEMCO Hubodometers



Window Ring Mount

Part Number 610-0090

Suit all STEMCO 3-1/2" Window Ring
Screws onto existing window ring (Screws included in kit)
SUITABLE when wheel end vent is required

Fits Aluminum
4009, 4075, 4195 Series
Suits ALL STEMCO Hubodometers

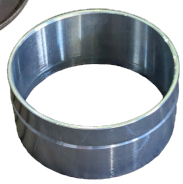


Shroud Mount

Part Number 600-99AS

Shroud will fit Aluminum STEMCO Hub Cap that has a Window.
Shroud protrudes higher than Hubo to provide protection.
NOT SUITABLE when wheel end vent is required.

Fits Aluminum
4009, 4075, 4195 Series
Suits STEMCO Electronic Hubodometers



Weld On Shroud

Part Number 600-99WELD

Shroud Ring design to be welded onto STEMCO Hubodometer Brackets, OEM Brackets & OEM steel Hub Caps.

Suits STEMCO
Electronic Hubodometers



Drive Axle Bracket

Part Number 610-0006

Suit common 5/8" Stud 7" BCD Drive Axle

Suits ALL STEMCO Hubodometers

Universal Hubodometer Brackets

Two-Piece Adjustable Bracket 113-210mm
Part Number TS25

Three-Piece Bracket Kit (Cut, Drill, Mount)
Part Number 610-0011
Suits ALL STEMCO Hubodometers



BPW Hubcap with Hubodometer Shroud

Suit BPW ECO & ECO+3 (M135 x 2mm)
Suit BPW ECO+ (M136 X 2.5mm)
Suit BPW New Gen (M125 External Thread)
(Note: Due to Casting Slag on BPW New Gen Shroud you may need to clean out with sand paper before fitting hubodometer)

Part Number 0321225080HUBO
Part Number 0321225310HUBO
Part Number 0321224070HUBO
Suits STEMCO Electronic Hubodometers

BUILT TO WITHSTAND THE TOUGHEST ROAD CONDITIONS



Incorrectly mounted hubodometers can lead to incorrect mileage readings, damage to the hubodometer, wheel end damage or wheel lose.

STEMCO Hubodometer mount brackets are designed to keep your hubodometer in place during travel, ensuring accurate tracking of your vehicle's mileage, maintenance intervals and providing a secure and vibration-free mount.



HUBODOMETER REV'S PER KM



TYRE SIZE	REV'S
7.00-15	436
7.00R15	436
7.50-15	410
7.50-16	400
7.50R15	432
7.50R16	412
7.5-20	346
8.00R16.5	460
8.25-15	396
8.25-20	336
8.25R15	396
8.25R16	380
8.25R20	342
8.5R17.5	412
8.75-16	450
8.75R16	450
8.75R16.5	436
8-14.5	460
8-19.5	380
8-22.5	346
8R17.5	420
8R19.5	396
9.00-15	378
9.00-20	311
9.00R15	378
9.00R20	324
9.50-16.5	432
9.50R16.5	432
9.5-17.5	396
9-14.5	460
9-22.5	336
9R16.5	432
9R17.5	396
9R22.5	342
10.00	324
10.00-15	357
10.00-20	310

TYRE SIZE	REV'S
10.00-22	300
10.00R15	357
10.00R20	315
10.00R22	310
10.00R24	300
10R17.5	396
10R22.5	324
11.00-20	300
11.00-22	290
10.00R20	300
11.00R22	290
11.00R24	280
11.50-20	304
11/70R22.5	346
11-22.5	311
11-24.5	300
11R17.5	357
11R22.5	311
11R24.5	300
12.00-20	290
12.00-24	270
12.00R20	290
12.00R24	270
12.5-22.5	304
12.5R20	320
12.5R22.5	300
12.75R22.5	304
12-16.5	400
12-22.5	300
12-24.5	290
12R22.5	304
12R24.5	290
13.00R20	280
13/80R20	315
13-22.5	290
13R22.5	294
48x34x20	270

TYRE SIZE	REV'S
14.00-24	249
14.00R20	260
14.5R20	412
14/80R20	304
14-17.5	357
15-19.5	336
15-22.5	311
15R22.5	311
16.00R20	249
16.5-22.5	294
16.5R22.5	294
18-19.5	311
18-22.5	290
185/70R15.5	513
18R19.5	306
18R22.5	283
195/75R14	413
205/60R17.5	483
205/65R15	507
205/75R15	483
205/75R17.5	436
205/85R16	435
215/70R17.5	436
215/75R15	472
215/75R17.5	432
215/85R16	432
225/70R15	465
225/70R19.5	400
225/70R22.5	357
225/75R15	450
225/75R16	450
225/75R17.5	420
225/90R17.5	380
235/75R15	450
235/75R17.5	412
235/80R22.5	346
235/85R16	412

TYRE SIZE	REV'S
245/70R15	460
245/70R17.5	418
245/70R19.5	396
245/75R16	432
245/75R22.5	346
255/70R22.5	357
255/80R22.5	342
265/70R19.5	380
265/75R16	412
265/75R22.5	336
275/70R22.5	342
275/80R22.5	320
275/80R24.5	315
285/70R19.5	373
285/75R24.5	315
295/75R22.5	330
295/80R22.5	315
295/85R22.5	311
305/70R22.5	330
305/75R24.5	306
315/70R22.5	324
315/75R22.5	315
315/80R22.5	306
365/70R22.5	300
365/80R20	304
37x12.5R16.5	357
385/55R22.5	332
385/65R19.5	330
385/65R22.5	311
385/75R22.5	311
395/85R20	280
425/65R22.5	294
445/45R19.5	366
445/50R22.5	324
445/65R19.5	306
445/65R22.5	283
445/95R25	224

The above information is to be used as a guide only. RPK ratings may vary between tyre brands.
For exact RPK rating for any given tyre size, contact the tyre supplier or manufacturer.

visit www.tiresize.com/calculator



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GOODYEAR AIR SPRINGS

DELIVERING COMFORT AND PERFORMANCE



Super Cushion® Rolling Lobe Air Springs feature heavy-duty materials and construction to deliver industry-leading vibration isolation, weight savings and longevity.

Designed for unrivaled comfort and performance, they reduce driver fatigue, decrease component wear, lower downtime and improve safety.

Superior Rubber Chemistry
Chemical additives infused into natural rubber walls provide exceptional ozone resistance, resulting in less flex-cracking and longer service life.

Reduced Weight
Innovative materials and design technology allow Super Cushion Air Springs to weigh less than competitive products for added fuel savings.

Bracket Dimples
Non-elongated design provides a more secure mounting for the air spring, increasing longevity and reducing vibration and misalignment.

Internal Wall Cord
High-strength, extra-tight cord provides exceptional wall and internal splice strength.

Comfort
Reduced driver fatigue and increased safety.

Equipment Longevity
Improved vibration isolation reduces wear and tear on truck and trailer components.



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GOODYEAR AIR SPRINGS

TRUCK & CABIN AIR SPRINGS



PART NUMBER	TRUCK REAR SUSPENSION	OEM / MISC PART NUMBERS
1R12-603	**FAS** Airliner I & II **(Ford Sterling, Freightliner, Western Star)**	161381000, 16-13810-000, 1619465000, 16-19465-000, W013778536, W01-377-8536 W013779781, W01-377-9781, TRP9780, MAF9781
1R12-403	**Hendrickson** HAS Series & WD2/WD3 Series **(CAT, Ford Sterling) (Hino, International, IVECO, Isuzu, Kenworth, Mack, Western Star)**	57122-1, 57122-001, 57122-2, 57122-002, 50899-001, 49710-2880, 1-52110192-0 W013589373, W01-358-9373, 64265, MAF9373
1R12-1093	**Hendrickson** PAX Primaax Series **(CAT, International, IVECO) (Ford Sterling, Freightliner, Kenworth, Mack, Western Star)**	60271-2, 60271-002, 60271-002L, 57WL57M, W013589663, W01-358-9663 67573, MAF9663
1R12-401	**International** ACCO D & E Series, S & T-Line, Transtar & Navistar (INT Rear)	1670043C1, 1686386C1, W013589371, W01-358-9371, 69646, MAF9371
1R12-432	**International** 7600/9200/9400/9900 Eagle & Navistar (INT Ride IROS)	350243C94, 3541731C1, 3541731C2, W013581191, W01-358-1191, 66908, MAF1191
1R12-555	**International/IVECO**	97388017, HP301-134, 23377-01, W013588017, W013588961, 64658
1R11-028	**Kenworth** Airglide 100 (No Bracket Style)	K303-6, K303-14, K303-15, AS94220, W013589422, W015449214, MAF9422
1R11-242	**Kenworth** Airglide 100 (New Bracket Style)	K303-16, AS96160, W013589616, MAF9616
1R11-219	**Kenworth, DAF** Airglide 200 (9" Ride Height ¾" Fitting)	K303-18, 1698433, AS96170, W013589617, MAF9617
1R11-220	**Kenworth** Airglide 200 (10" Ride Height ¾" Fitting)	K303-19, W013589618, MAF9618
1R11-221	**Kenworth** Airglide 200 (9" & 10" Ride Height 1-5/16" Fitting)	K303-22, K303-28, AS96221, AS96750, W013589622, W013589675, MAF9622
1R11-222	**Kenworth** Airglide 200 (10.5" Ride Height 1-5/16" Fitting)	K303-25, AS96250, W013589625, MAF9625
1R11-268	**Kenworth, DAF** Airglide 200/400/460/690 (9" & 10.5" Ride Height)	C81-1004, C81-1005, TRP9541AU, TRP9547AU, W013589541, W013589547, MAF9541, MAF9547
1R12-419	**Mitsubishi** FUSO (FV547, FV54J/S, FN63F, FN64F, FM677, FM67F, Fighter)	MK316885, MK316005, MK330010, 1R12-473, 10709.002
1R14-117	**Mitsubishi** FUSO (FP547, FP54J)	MK321367, 266283031, 591K83046100, M2X10721, 10709.005
1R12-092	**Neway** ARDST, ARDST-10 (10" Ride Height) **(Western Star)**	1R12-509, 1R12-547, 90557006, 90557027, 90557075, W013589082, 64269, MAF9082
1R12-484	**Neway** AD246, AD246-12, AD369, AD369-12 (12" Ride Height) **(Mack)**	90557215, 90557216, W013589504, W013589473, 64418, MAF9504
1R12-552	**Neway** AD246, AD252, AD369 (10"-11" Ride Height) **(Ford Sterling, Kenworth, Mack, Western Star)**	1R12-372, 1R12-485, 90557212, 905-57-212, 90557146, 905-57-146, 90557182, 905-57-182 90557214BKT, W013589471, W01-358-9471, 64416, MAF9471
1R12-553	**Neway** AD123, AD246 (6.5"-8.75" Ride Height) **(International, IVECO)**	90557147, 905-57-147, 90557213, 905-57-213, IT100020, W013589472, W013589491
1R14-159	**Neway** AD123, AD369, AD246 (10" Ride) **(International, IVECO, Freightliner, Kenworth, Mack, Western Star)**	90557270, 90557111, S25319, S-25319, W013588793, W013589164, MAF9264
1R14-160	**Neway** AD252, AD252-11, AD378, AD378-11 **(Mack Only)**	90557155, 90557323, W013589144, 64347, MAF9144

PART NUMBER	TRUCK CABIN SUSPENSION	OEM / MISC PART NUMBERS
1S5-175	Freightliner & Western Star **(Larger Airbag)**	1852651000, 18-52651-000, 1852651001, 18-52651-000, 1866715000, 18-66715-000 66003-3406, W023587207, W023587215, 67638
1S5-176	Freightliner & Western Star **(Smaller Airbag)**	1829919000, 18-29919-000, W023587202, W023587206, W023777206, W023587205
1S4-007	LINK CABMATE **(International)** RFRT106HDA, FRT153BCA **(Freightliner)** KWB689C, KWMC642 **(Kenworth)** R600, FIR700 **(Mack)**	1102-0023, 1102-K023, 3261050R1, 227QS33, 67770, W023587001, W023587002, W023587031, FS7001
1S4-008	LINK CABMATE **(FLINER, INT, KW)** & Mack	1101-0021, 1101-0024, 1102-0021, 1102-0031, 594646C1, 227QS39301, 67769, W023587010, W023587040
1S5-005	LINK CABMATE	1101-0040, W023587012
1S5-038	LINK CABMATE **(International)**	1101-0043, 1102-0076, 1103A043, 2991-0040, 2501300C1, 2505126C1, W023587081
1S5-057	LINK CABMATE **(International)**	1101-0075, 2500012C1, 2507756C1, W023587108, W026007108, 67852
1S5-152	LINK CABMATE KWT2000A **(Kenworth)**	1102-0082, 1102-A082, 1102-B082, 1102-K082, R81-1002 W023587110, W026007110, 69437
1S5-157	LINK CABMATE KWKIT03 **(Kenworth)** & Freightliner	1102-0074, W023587064, W026007064, 1699064C1, 20315552, 67768
1S5-186	LINK CABMATE Other **(KW)**	1102-1001, 1102-1002, W026007134, 75707
1S4-067	Mack	227QS34, 227QS34A, 227QS34B, 25166846, 1S6-067, W023587007
1S5-154	Mack CH612	20831952, 227QS312BM, 78405
1S5-164	Mack CNX612	227QS43M, 227QS45M, 227QS47M, 21128983, 25182314, 21128983, 78417
1S6-023	Mack	HRV090601002
1S6-055	Mack	227QS312M, 227QS312MA, 227QS46M, 227QS45AM, 21128980, 25166135, 1S6-025, 1101A060
1S4-234	PACCAR	R81-6003, 2016754, W023586754, W023587132, W027036754, W027037166





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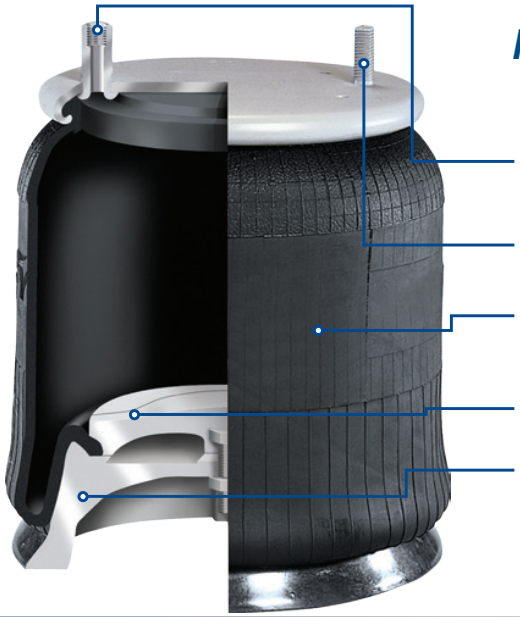
GOODYEAR AIR SPRINGS

TRAILER & LIFT AXLES AIR SPRINGS



PART NUMBER	TRAILER SUSPENSION	OEM / MISC PART NUMBERS
1R12-092	**Hendrickson** T9, **Neway** ARS/ARL **York** Tecair FB & VRH, **Reyco**	1R12-509, 1R12-547, 90557006, 90557027, 90557075, W013589082, B-2066 61610121, 12882-01, 21208939
1R13-119	**Hendrickson** HT230, **K-Hitch** KT230 O/S *(Without Blind Nuts)*	C-21208, S-21208, N100521-013, W013589270, W013588800, W013589579
1R13-239	**Hendrickson** HT230 *(With 2 Blind Nuts)*	1R13-112, C-21208, S-21208, W013589579
1R12-375	**Hendrickson** HT250 (9" Wide Airbag)	1R12-249, C20124, C20413, S20124, W013589265, 85101155, 64288
1R13-118	**Hendrickson** HT250 (10" Wide Airbag)	1R13-081, C20127, C20414, S20127, W013589580, W013589262, AS95800
1R13-127	**Hendrickson** HT250U	1R12-256, C13122, C-13122, B14249, W013589264, 64637, MAF8793
1R13-159	**Hendrickson** Intraax AA230/AA250 & Maxitraax	1R13-103, C-20900, C20900, C-21800, C21800, S-21800, S21800, W013588709, W013588751
1R14-159	**Hendrickson** Intraax AAEDT	90557270, 90557111, S25319, S-25319, W013588793, W013589164, MAF9264
1R14-171	**Hendrickson** Intraax AAT250/AAT25K	1R14-093, C-20901, C20901, C-21784, C21784, S-20901, S20901, S-21784, S21784, W013588091
1R14-172	**Hendrickson** Intraax AAT300/AAT30K	1R14-190, C-25873, C25873, C-27341, C27341, S-25873, S25873, W013588774, 65593, MAF8774
1R12-534	**K-Hitch** KT250U **Watson & Chalin** TA250U (7.5"-14" Ride Height)	AS0061, AS0061-G, AS0061-1G, N100521-003, W013589243, W013588861, 64708
1R12-541	**K-Hitch** KT250U (11T) **Watson & Chalin** TA250U (6.5" Ride Height)	AS0013, AS0013-G, AS0013-1G, AS0113CK, N100521-002, W013588825
1R13-155	**K-Hitch** KT250T (11T) **Watson & Chalin** TA250T (15"-19" Ride Height)	AS0107, AS0107-G, AS0107-1G, N100521-001, W013588637, 64649
1R13-039	**Neway** AR41-955, **Watson & Chalin** TA250-300	90557019, 90557052, 90557078, 90557083, AS0083, AS-0083, 1090326
1R14-215	**Neway** AD, **York** Duratrac	1R13-047, 90557110, 3529141. W013589141, P109141, 61610443
1R12-602	**TMC** SL10 Series	626104-602, 626104/602
1R12-642	**TMC** LMV, LM XP & VS Series	1R12-890, 1R12-854, 626104-642, 626104/642, US07337
1R12-664	**TMC** LMV, LM XP Series (330mm Ride Height)	626499, 626499-642, 626499/642

PART NUMBER	TAG/LIFT AXLE SUSPENSION	OEM / MISC PART NUMBERS
1R13-039	**LM-2000** Lift Axle	90557019, 90557052, 90557078, 90557083, AS0083, AS-0083, 1090326
2B12-406	**Ford, Freightliner, Western Star** FAS Airliner (TAG/Lift Axle)	1611378000, 554792C1, W013587410, 64268, MAF7410
1R12-256	**Hendrickson** Toughlift FMT & HLM Lift (Main Airbag)	S-14249, S14249, B-14249, B14249, B-4375, B4375, W013589321, W013589367
2B9-201	**Hendrickson** Toughlift FMT & HLM Lift (TAG/Lift Axle)	S-14318, S14318, B-14318, B2630, B-2630, S-14318, S14318, W013586935, MAF6935
2B9-495	**Hendrickson** Intraax, Primaax (TAG/Lift Axle)	S-23114, W013587897, MA7897



INNOVATIVE DESIGN. INDUSTRY-LEADING PERFORMANCE.

RUGGED PERFORMANCE. GENTLE RIDE.

Featuring a reinforced design, ultra-durable bead plates, corrosion preventative coatings and innovative rubber chemistry, **Super Cushion Rolling Lobe Air Springs** provide the vibration isolation and durability to help your fleet reach new levels of productivity and profitability.

SUPER CUSHION AIR SPRINGS REDUCE WEAR AND TEAR ON:

- Electrical equipment and instruments
- Cab and body
- Axles
- Transmission
- Trailer components
- Hinges





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GAFF™

PROVIDING LONG-TERM FLEXIBILITY, DURABILITY, PERFORMANCE



GAFF™ develops and manufactures custom formulations of polyurethane to provide the exact hardness and durability required for optimal performance in their intended applications, resulting in increased service life of the suspension system, reduced maintenance costs and less downtime.

Heat Resistant
Maintains physical and chemical properties under temperature extremes.

Ozone and UV Resistant
Less susceptible to primary cause of "dry rot" in rubber.

Chemical Resistant
Fights degradation by fuel, oil and grease.

Tear Resistant
Exceptional chemical stability and high elasticity in demanding conditions.

Superior to Rubber
Increased durability and more precise performance characteristics.



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GAFF™

EXCEPTIONAL VALUE AND VERSATILITY



TORQUE ROD ASSEMBLY

APPLICATION	SUSPENSION	OEM	LENGTH	PART NUMBER	ROD TYPE	BUSH TYPE	BUSHING
FREIGHTLINER WESTERN STAR	AIRLINER	16-16749-002, 16-16749-000 16-21340-001, TR46-41002	C TO C 24-5/16"	11081	1	A	2 x 11004
FREIGHTLINER WESTERN STAR	AIRLINER	16-15632-000, TR46-41000	C TO C 24-1/2"	11152	1	B	2 x 13520
KENWORTH	AIRGLIDE 100	K195-376, 935720AA TR59-41376	C TO C 24"	11835	2	D-E	1 x 83520 1 x 13518
KENWORTH	AIRGLIDE 100	K195-376, 935720AA TR59-41376	C TO C 24"	11080	2	B-D	1 x 13520 1 x 13518
KENWORTH	AIRGLIDE 100	K195-375, K195-374 944270 TR59-41375	C TO C 24"	11751	1	B	2 x 13520
KENWORTH	AIRGLIDE 200 400 / 460 / 690	K195-474, K195-472 TR59-41474	C TO C 19-3/4"	11773	1	C	2 x 11729

AVAILABLE TORQUE ROD TYPES

TYPE 1	TYPE 2	TYPE 3
		

BUSHING STYLES

A ANTI-WALK DESIGN	B OEM DESIGN	C STRESS-RELIEF DESIGN	D TAPERED BUSH	E EASY-MOUNT ROTATION
				





TORQUE ROD ENDS - WELD TO LENGTH

ASSEMBLY TYPE	OEM	LENGTH	PART NUMBER	BUSH TYPE	BUSHING
TUBE END	46610, 1693531C1, IPC928630, 66610000H	8-9/16"	13683	B	1 x 13520
TUBE END	46630, 1693533C1, IPC928630	8-9/16"	13686	D	1 x 13518
TUBE END	46610, 1693531C1, IPC928630, 66610000H	8-9/16"	13790	E	1 x 83520
ROD END	46660, 1693536C1, IPC928660, 66660-000H	33-7/16"	13690	B	1 x 13520
ROD END	46661, 1693537C1, IPC928661	25-7/16"	13691	B	1 x 13520
ROD END	46661, 1693537C1, IPC928661	25-7/16"	13789	E	1 x 83520

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To suit

Common Truck & Trailer Components

UNIVERSAL STYLE STRAP BATTERY BOX LATCH — 10024

OEM#



L.G. 150 mm

SHIFTER BUSH KIT — 11611

SUIT EATON TRANSMISSION ROAD RANGER

OEM# K-3399, K3399, 212444, 3311



I.D. 21 mm
O.D. 38 mm
H. 59 mm

PRE-DRILLED BUSH
INCLUDES PIN & BUSH KIT

GLADHAND SEAL KIT — 17534

SERVICE & EMERGENCY SIDE

OEM# E-9110, E-9111
AB1388, AB1388P

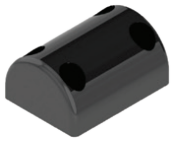


I.D. 16 mm
O.D. 41 mm
T.K. 10 mm

SOLD AS A PAIR

DOCK & TRAILER BUMPER — 18905

OEM#



L.G. 194 mm
W.D. 143 mm
T.K. 92 mm

WHEEL CHOCK — 18455

25 TON (US) RATED

OEM#



L.G. 221 mm
W.D. 143 mm
H.O. 25 mm
H. 164 mm

CENTRE BEARING ASSY — 40074

SUIT 1810 DRIVELINE

OEM# 500323, 5003326, 210888-1X
210661-1X, 210875-1X, 212129-1X



I.D. 60 mm
B.H. 15 mm
L.G.C-C 219 mm

SUITABLE FOR BOTH SOLID & SLOTTED
INCLUDES COVERS

DOCK & TRAILER BUMPER — 40175

OEM#



L.G. 250 mm
W.D. 111 mm
T.K. 70 mm

WHEEL CHOCK — 40095

35 TON (US) RATED

OEM#



L.G. 308 mm
W.D. 214 mm
H.O. 25 mm
H. 201 mm

CENTRE BEARING ASSY — 40075

SUIT 1710 DRIVELINE

OEM# 210121-1X, 2101211XB
CB2210211XSA



I.D. 51 mm
B.H. 14 mm
L.G.C-C 194 mm

SUITABLE FOR BOTH SOLID & SLOTTED
INCLUDES COVERS

TORQUE ROD BUSH — 18830

SUIT JAPANESE 6 ROD SUSPENSION HINO, FUSO, IZUSU, NISSAN, UD

OEM# MK633449, 29Y3301, S40JJE0080
10601.008, 1515191130



B. H 3/4"
O.D. 105 mm
L.G. C-C 110 mm

COUPLING WEAR PAD KIT — 18695

SUIT RINGFEDER 80G5, 81G5, 92CX, 96AUS, 101AUS, 202AUS, 303AUS

OEM# 06998321, 09996770, 15990737



SUIT 50MM COUPLING
KIT INCLUDES
1x WEAR PAD
2x BOLTS & NUTS

COUPLING BUSH — 18698

SUIT RINGFEDER 96AUS, 101AUS 202AUS, 303AUS

OEM# 14994568, 14-994-568



SUIT 50MM COUPLING
SOLD AS SINGLE UNIT

TURNTABLE MOUNT — 11604

SUIT JOST E-MOUNT

OEM# SK2905-94, SK2905-95, SK3121-61



I.D. 50 mm
O.D. 70 mm
L.G. 102 mm

SUITABLE FOR
JSK37E, FSK37EW
JSK37EA, JSK37ER

TURNTABLE MOUNT — 18708

SUIT JOST C-MOUNT & SAMPA LOWER MOUNT

OEM# SK2105-25, SK2121-69Z,
0095.058, 095.536



SUITABLE FOR JOST
JSK36CV, JSK37C, JSK37CZ, JSK37CW
SUITABLE FOR SAMPA
SP-C7 & SP-C8

TURNTABLE MOUNT — 18709

SUIT JOST C-MOUNT & SAMPA UPPER MOUNT

OEM# SK1259, SK2121-69Z
0095.057, 095.536



SUITABLE FOR JOST
JSK36CV, JSK37C, JSK37CZ, JSK37CW
SUITABLE FOR SAMPA
SP-C7 & SP-C8

TURNTABLE MOUNT — 11515

SUIT SAF HOLLAND - STANDARD FW3500, FW351, FW342, FW331

OEM# RK16045-J, RK16045-P, XB16045J



I.D. 27 mm
O.D. 71 mm
L.G. 105 mm

TURNTABLE MOUNT — 11517

SUIT SAF HOLLAND - SLIDER & ISO BOLT-ON FOOT

OEM# XB00113



I.D. 29 mm
W.D. 66 mm
L.G. 108 mm
H. 59 mm

TURNTABLE MOUNT — 18215

SUIT SAF HOLLAND - KOMPENSATOR FW3500, FW351

OEM# RK0011P, XB0011P



I.D. 29 mm
O.D. 51 mm
L.G. 108 mm

VIBRATION MOUNT — 12380

SUIT THERMO KING & CARRIER

OEM# 91-4159, 91-2618, 914159, 912618



I.D. 16 mm
O.D.1 46 mm
O.D.2 59 mm
H. 36 mm

VIBRATION MOUNT KIT — 18015

SUIT THERMO KING & CARRIER

OEM# 92-8893, 93-4060, 99-4820, 99-7620
928893, 934060, 994820, 997620



I.D. 13 mm
O.D. 48 mm

KIT INCLUDES
1x UPPER MOUNT
1x LOWER MOUNT

VIBRATION MOUNT — 50053

SUIT THERMO KING & CARRIER

OEM# 99-1433, 991433,18013



I.D. 24 mm
O.D.1 46 mm
O.D.2 76 mm
H. 33 mm

REPLACES GAFF
18013 BUSH

VIBRATION MOUNT KIT — 50054

SUIT THERMO KING & CARRIER

OEM# 99-4820, 994820, 73-00160-02



I.D. 16 mm
O.D. 64 mm
L.G. 63 mm

KIT INCLUDES
1x UPPER MOUNT
1x LOWER MOUNT

VIBRATION MOUNT — 50055

SUIT THERMO KING & CARRIER

OEM# 91-4043, 91-4195, 914043, 914195

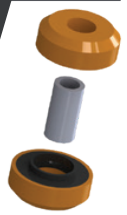


I.D. 24 mm
O.D.1 46 mm
O.D.2 66 mm
H. 28 mm

VIBRATION MOUNT KIT — 50056

SUIT THERMO KING & CARRIER

OEM# 91-1404, 91-2578, 91-7709
911404, 912578, 917709



I.D. 16 mm
O.D. 55 mm
L.G. 48 mm

KIT INCLUDES
1x UPPER MOUNT
1x LOWER MOUNT
1x SPACER SLEEVE

I.D. = INNER DIAMETER O.D. = OUTER DIAMETER W.D = WIDTH T.K. = THICKNESS H. = HEIGHT B.H. = BOLT HOLE OR BOLT SIZE T.H. = THREAD SIZE L.G. = LENGTH L.G. C-C = LENGTH CENTRE TO CENTRE

SUSPENSION PRODUCTS

GAFF™

To suit

Trailer Suspension



TORQUE ROD BUSH 13001

SUIT RADIUS ROD
STANDARD SIZE

OEM# WT1301, SP1301, FQ1301
UXA-0011, **13000**

I.D.	31.7 mm	2 PIECE SPLIT EASY MOUNT VERSION IS **13049**
O.D.1	46.0 mm	
O.D.2	55.5 mm	
L.G.	60.3 mm	



TORQUE ROD BUSH 13043

SUIT TMC RADIUS ROD
UNDERSIZED TMC SIZE

OEM# SP1307, 323128, 323128PB

I.D.	31.7 mm	UNDERSIZED VERSION OF **13001**
O.D.1	46.0 mm	
O.D.2	53.9 mm	
L.G.	60.3 mm	



TORQUE ROD BUSH 13049

SUIT RADIUS ROD

OEM# SP1301SP, FQ1301U2P

I.D.	31.7 mm	2 PIECE SPLIT EASY MOUNT VERSION
O.D.1	46.8 mm	
O.D.2	55.5 mm	
L.G.	60.3 mm	



TORQUE ROD BUSH 15008

SUIT REYCO 101 & 102
OLD STYLE

OEM# WT1310, SP1314, FQ1310
T-1842

I.D.	26.9 mm	OLD STYLE 27MM NEW STYLE 25MM IS **15009**
O.D.1	46.0 mm	
O.D.2	79.4 mm	
L.G.	72.2 mm	



TORQUE ROD BUSH 15009

SUIT REYCO 101 & 102
NEW STYLE

OEM# WT1315, FQ1315, 21238-0
T-1723

I.D.	25.4 mm	NEW STYLE 25MM OLD STYLE 27MM IS **15008**
O.D.1	46.0 mm	
O.D.2	77.8 mm	
L.G.	73.0 mm	



TORQUE ROD BUSH 15051

SUIT REYCO 102, HALLMARK
RUBERY OWEM M-SERIES

OEM# WT1309, FQ1309, 6425, 503017C1
T-2242

I.D.	26.1 mm	
O.D.1	46.0 mm	
O.D.2	58.7 mm	
L.G.	74.6 mm	



TORQUE ROD BUSH 14073

SUIT FRUEHAUF S2, MCGRATH
FREIGHTER TAA29 & 39

OEM# WT1302, SP1302, FQ1302
UCA-3754, 722-00

I.D.	25.4 mm	OEM STYLE HEAVY DUTY VERSION IS **14008**
O.D.	49.2 mm	
L.G.	76.2 mm	



TORQUE ROD BUSH 14008

SUIT FRUEHAUF S2, MCGRATH
FREIGHTER TAA29 & 39

OEM# WT1302, SP1302, FQ1302
UCA-3754, 722-00

I.D.	25.4 mm	HEAVY DUTY VERSION
O.D.	48.4 mm	
L.G.	76.2 mm	



TORQUE ROD BUSH 15073

SUIT REYCO 21B

OEM# WT1311, FQ1311, SP1315
T-5493

I.D.	25.4 mm	
O.D.1	46.0 mm	
O.D.2	59.5 mm	
L.G.	76.2 mm	



TORQUE ROD BUSH 15013

SUIT REYCO, HAULMARK, HENDRICKSON
SINCLAIR, FUWA K-HITCH, YORK, TMC

OEM# WT1308, SP1308, 09729-01, 6425

I.D.	22.2 mm	OEM STYLE HEAVY DUTY VERSION IS **14010**
O.D.	49.2 mm	
L.G.	76.2 mm	



TORQUE ROD BUSH 14010

SUIT REYCO, HAULMARK, HENDRICKSON
SINCLAIR, FUWA K-HITCH, YORK, TMC

OEM# WT1312, SP1308HD, 09729-01, 6425

I.D.	22.2 mm	HEAVY DUTY VERSION
O.D.	50.8 mm	
L.G.	76.2 mm	



EQUALIZER BUSH 15076

SUIT REYCO 21B

OEM# WT1110, FQ1110, T-5524

I.D.	41.3 mm	
O.D.1	72.2 mm	
O.D.2	88.9 mm	
L.G.	111.9 mm	



EQUALIZER BUSH 13005

SUIT ROCKER BOX
STANDARD SIZE

OEM# WT1101, SP1101, FQ1101
UXA-0004

I.D.	50.8 mm	2 PIECE SPLIT EASY MOUNT VERSION IS **13047**
O.D.1	68.3 mm	
O.D.2	88.9 mm	
L.G.	112.7 mm	



EQUALIZER BUSH 13007

SUIT TMC ROCKER BOX
UNDERSIZED TMC SIZE

OEM# 323129, 323129PB, **13003**, **13004**

I.D.	50.8 mm	UNDERSIZED VERSION OF **13005**
O.D.1	66.7 mm	
O.D.2	87.3 mm	
L.G.	111.1 mm	



EQUALIZER BUSH 13047

SUIT ROCKER BOX & DRAW BAR

OEM# FQ1101U2P, SP1101SP

I.D.	51.6 mm	2 PIECE SPLIT EASY MOUNT VERSION
O.D.1	68.3 mm	
O.D.2	88.9 mm	
L.G.	112.7 mm	



EQUALIZER BUSH 15001

SUIT REYCO 83, 101, 102 & 201

OEM# WT1109, FQ1109, 08363-01
14713-01

I.D.	38.1 mm	
O.D.	80.2 mm	
LG.	114.3 mm	



EQUALIZER BUSH 15054

SUIT REYCO TRANSPRO 88

OEM# ² ¢ммин !Ї Cvммнна∑ лспфтлн

I.D.	25 mm	
O.D.	84 mm	
L.G.	102 mm	



EQUALIZER BUSH 14000

SUIT EARLY FRUEHAUF, MCGRATH
HUTCHENS H2200

OEM# WT1102, SP1102, 09-09207
UCA-0472, 7010-00

B.H.	3/4"	
O.D.	84.1 mm	
L.G.	98.4 mm	
C-C	34.1 mm	



EQUALIZER BUSH 18690

SUIT HOLLAND, WEWELLER & ROR

OEM# 0203160600, 2122609, WC234264
SP1324, WT1113, FQ1113

I.D.	30.2 mm
O.D.	60.3 mm
LG.	101.6 mm



EQUALIZER BUSH 18700

SUIT YORK TECAIR, TMC
SAF EURO 2

OEM# 61506242, WT1118, FQ1118
SP7165

I.D.	30.1 mm
O.D.	68.2 mm
LG.	103.9 mm



EQUALIZER BUSH 18701

SUIT BPW AIR LIGHT I-II,
SL & O SERIES, KRUEGER RFS

OEM# 0203169000, WT1113S, SP7155

I.D.	30.2 mm
O.D.	57.2 mm
LG.	101.6 mm



PIVOT BUSH KIT 13762

SUIT MERITOR CS9

OEM# 11201, 21230041, 21226997, SUS10A
A1225N1522, SP1445, SP1445K

I.D.	22.2 mm	KIT INCLUDES 1x PIVOT BUSH 2x WEAR PADS 1x HARDWARE KIT
O.D.	152.4 mm	
L.G.	120.6 mm	



TOOLING AVAILABLE

INNER PIVOT BUSH 18710

SUIT YORK TECAIR FB

OEM# SP1431, WT1117, FQ1119
61610013

I.D.	57.1 mm	OUTER BUSH IS **18711**
O.D.	147.6 mm	
T.K.	50.8 mm	



OUTER PIVOT BUSH 18711

SUIT YORK TECAIR FB

OEM# SP1432, WT1116, FQ1119
61610012

I.D.	53.9 mm	INNER BUSH IS **18710**
O.D.	147.6 mm	
L.G.	50.8 mm	

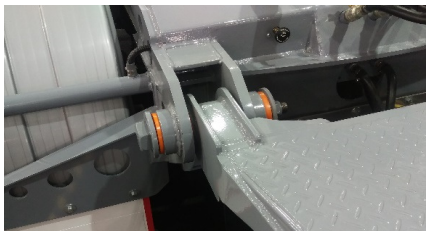


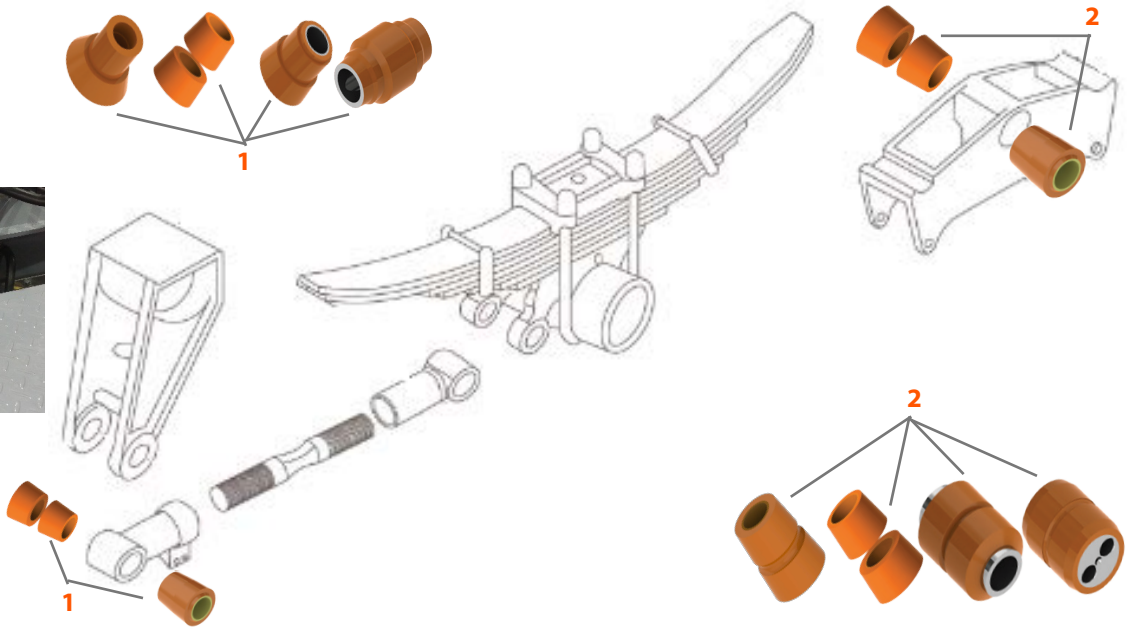
I.D. = INNER DIAMETER O.D. = OUTER DIAMETER W.D = WIDTH T.K. = THICKNESS H. = HEIGHT B.H. = BOLT HOLE OR BOLT SIZE T.H. = THREAD SIZE L.G. = LENGTH L.G. C-C = LENGTH CENTRE TO CENTRE



COMMON TRAILER SUSPENSION

DRAW BAR BUSHES
4 x 13005 or 13047

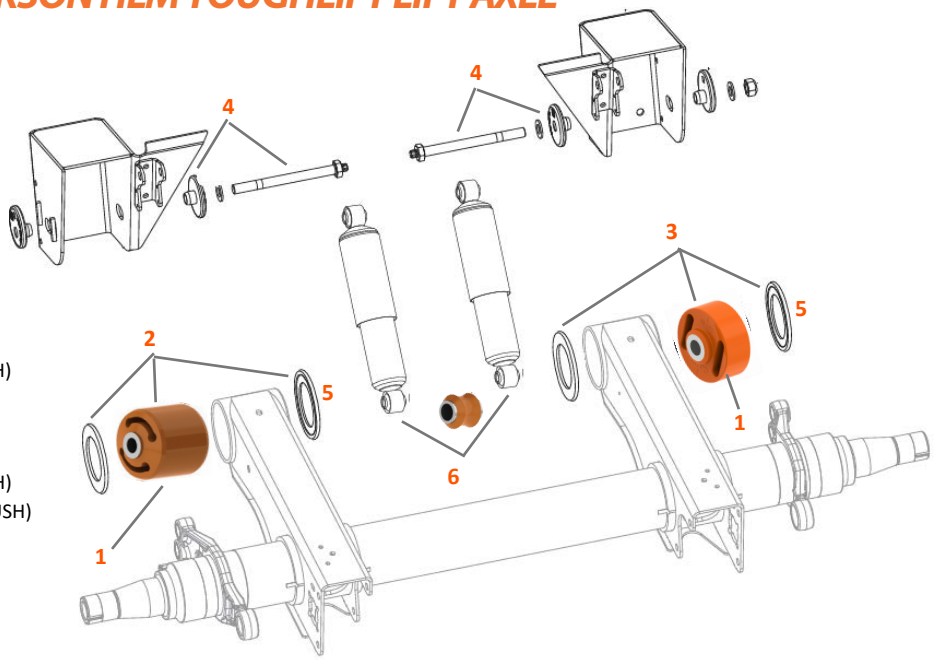


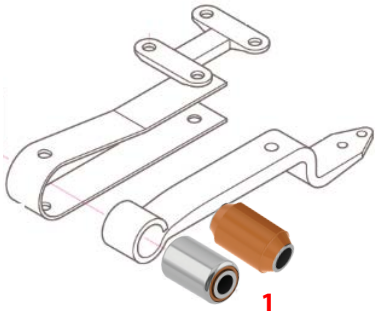


1. **TORQUE ROD / RADIUS ROD BUSH.** This is a guide always check Trailer Flyer for application & sizes.
   COMMON GP TRAILER. 13001 STANDARD BUSH (Tapered), 13043 UNDERSIZED BUSH (Tapered), 13049 2-PIECE SPLIT BUSH (Tapered).
   COMMON REYCO TRAILER. 15073 REYCO 21B, 15008 REYCO 101/102 (Old Style), 15009 REYCO 101/102 (New Style), 15051 REYCO 102 /HALLMARK/RUBERY OWEN.
   COMMON FRUEHAUF/ FREIGHTER / McGRATH. 14073 STANDARD BUSH (Stepped), 14008 HEAVY DUTY BUSH (Smooth).
2. **EQUALIZER BUSH / ROCKER BOX BUSH.** This is a guide always check Trailer Flyer for application & sizes.
   COMMON GP TRAILER. 13005 STANDARD BUSH (Tapered), 13007 UNDERSIZED BUSH (Tapered), 13047 2-PIECE SPLIT BUSH (Tapered).
   COMMON REYCO TRAILER. 15076 REYCO 21B, 15054 REYCO 88 (Transpro), 15001 REYCO 101 / 102.
   COMMON FRUEHAUF / McGRATH. 14000 2x 3/4" Bolts.

HENDRICKSON INTRAAX AAT 23-25K / AANT 23K
HENDRICKSON HLM TOUGHLIFT LIFT AXLE

1. PIVOT BUSH 13565 SUIT AAT 23-25K (WIDE BUSH)
   INSTALL & REMOVAL TOOL IS 13581
   PIVOT BUSH 13736 SUIT AANT 23K (NAROW BUSH)
   INSTALL & REMOVAL TOOL IS 13623
2. PIVOT BUSH KIT 13510 SUIT AAT 23-25K (WIDE BUSH)
   INCLUDES 13565 BUSH, 13542 WEAR PADS &
   STANDARD BOLT/NUT/SLEEVE KIT
   QUICK ALIGN PIVOT BUSH KIT 13628 SUIT AAT 23-25K (WIDE BUSH)
   INCLUDES 13565 BUSH, 13542 WEAR PAD, 13604 ECCENTRIC
   WASHER & BOLT KIT. INSTALL & REMOVAL TOOL IS 13581
3. *QUICK ALIGN* PIVOT BUSH KIT 13673 SUIT AANT 23K (NARROW BUSH)
   INCLUDES 13736 BUSH, 13648 WEAR PADS, 13673 ECCENTRIC
   WASHER & BOLT KIT. INSTALL & REMOVAL IS 13623
4. ECCENTRIC WASHER & BOLT KIT 13604 SUIT AAT 23-25K (WIDE BUSH)
   ECCENTRIC WASHER & BOLT KIT 13673 SUIT AANT 23K (NARROW BUSH)
5. WEAR PADS 13542 SUIT AAT 23-25K (WIDE BUSH)
   WEAR PADS 13648 SUIT AANT 23K (NARROW BUSH)
6. SHOCK ABSORBER BUSH 18533 SUIT S-21699 SHOCKS





BPW / HOLLAND / YORK / TMC SUSPENSION

1. EQUALIZER BUSH 18690 SUITS BPW AIR LIGHT I-II / SL & O SERIES, HOLLAND
   WEWELLER, R.O.R & KRUEGER RFS (NO METAL SLEEVE)
   EQUALIZER BUSH 18701 SUITS BPW AIR LIGHT I-II / SL & O SERIES, HOLLAND
   WEWELLER, R.O.R & KRUEGER RFS (METAL SLEEVE)
   EQUALIZER BUSH 18700 SUITS YORK TECAIR / TMC / SAF EURO 2 (METAL SLEEVE)

SUSPENSION PRODUCTS

GAFF™

To suit Hendrickson Suspension



TORQUE ROD BUSH 13521
SUIT HAS-SERIES, HAULMAAX, E4-SERIES HN-SERIES, PRIMAAX EX

OEM# 47691, 47691-000

B. H 5/8"
O.D. 51 mm
L.G. C-C 112 mm

OEM STYLE ANTI-WALK STYLE IS 11004



TORQUE ROD BUSH 11004
SUIT HAS-SERIES, HAULMAAX, E4-SERIES HN-SERIES, PRIMAAX EX

OEM# 47691, 47691-000

B. H 5/8"
O.D. 51 mm
L.G. C-C 112 mm

ANTI-WALK STYLE



TORQUE ROD BUSH 13519
SUIT FAMSA

OEM# 32174-000

B. H 5/8"
O.D. 91 mm
L.G. C-C 111 mm



TORQUE ROD BUSH 13520
SUIT RS & RT SERIES, HAS-SERIES PRIMAAX EX, ULTRA-ROD

OEM# 44695, 44695-000, 64400 64400-002, 66649, 66649-002

B. H 5/8"
O.D. 70 mm
L.G. C-C 111 mm

OEM STYLE 3/4" B.H IS 13528
EASY MOUNT STYLE IS 83520



TOOLING AVAILABLE

TORQUE ROD BUSH 13536
SUIT RS & RT SERIES, HAS-SERIES PRIMAAX EX, ULTRA-ROD

OEM# 44695, 44695-000, 64400 64400-002, 66649, 66649-002

B. H 5/8"
O.D. 70 mm
L.G. C-C 111 mm

SLEEVELESS STYLE DESIGN OF 13520
EASY MOUNT STYLE IS 83520



TOOLING AVAILABLE

TORQUE ROD BUSH 83520
SUIT RS & RT SERIES, HAS-SERIES PRIMAAX EX, ULTRA-ROD

OEM# 44695-44695-000, 64400 64400-002, 66649, 66649-002

B. H 5/8"
O.D. 70 mm
L.G. C-C 111 mm

EASY MOUNT DESIGN HIGH ARTICULATION 360 DEGREE ROTATION



TOOLING AVAILABLE

TORQUE ROD BUSH 13528
SUIT CAMELBACK SUSPENSION (MACK)

OEM# 49210, 49210-000 64400-005, 66649-005

B. H 3/4"
O.D. 70 mm
L.G. C-C 111 mm



TOOLING AVAILABLE

TORQUE ROD BUSH 13522
SUIT AIR LEAF, AIR TRAC, AIR RIPARA (FREIGHTLINER, MACK, VOLVO)

OEM# 44694, 44694-000, 227710, 227720 151087-148, 35033-0008, 8079894

B. H 5/8"
O.D. 64 mm
L.G. C-C 111 mm



TOOLING AVAILABLE

TORQUE ROD BUSH 83522
SUIT AIR LEAF, AIR TRAC, AIR RIPARA (FREIGHTLINER, MACK, VOLVO)

OEM# 44694, 44694-000, 227710, 227720 151087-148, 350333-0008, 8079894

B. H 5/8"
O.D. 64 mm
L.G. C-C 111 mm

EASY MOUNT DESIGN HIGH ARTICULATION 360 DEGREE ROTATION



TOOLING AVAILABLE

TORQUE ROD BUSH 13518
SUIT RS-SERIES, RT-SERIES HN-SERIES (SOME), ULTRA-ROD

OEM# 44697, 44697-000, 64400-004 66649-004

T.H. 1-1/4" UNF
O.D. 69.8 mm
L.G. 204.8 mm

OEM STYLE SLEEVELESS STYLE IS 13533



TOOLING AVAILABLE

TORQUE ROD BUSH 13533
SUIT RS-SERIES, RT-SERIES HN-SERIES (SOME), ULTRA-ROD

OEM# 44697, 44697-000, 64400-004 66649-004

T.H. 1-1/4" UNF
O.D. 69.8 mm
L.G. 204.8 mm

SLEEVELESS STYLE OF 13518



TOOLING AVAILABLE

TORQUE ROD BUSH 15013
SUIT PRIMAAX 230 (PAX230) GEN II PRIMAAX 460 (PAX460) GEN II

OEM# 47692, 47692-000

I.D. 22.2 mm
O.D. 49.2 mm
L.G. 76.2 mm

OEM STYLE HEAVY DUTY VERSION IS 14010



TORQUE ROD BUSH 13582
SUIT HN-FR, HN-SERIES (SOME) HAULMAAX, ULTRA-ROD

OEM# 64697, 64697-000

T.H. 1-1/4" UNF
O.D. 50.8 mm
L.G. 204.8 mm



TOOLING AVAILABLE

TORQUE ROD BUSH 13684
SUIT 340-343 SERIES

OEM# 44809, 44809-000

T.H. 1-1/8" UNF
O.D. 64.3 mm
L.G. 165.9 mm



TOOLING AVAILABLE

TORQUE ROD BUSH 14010
SUIT PRIMAAX 230 (PAX230) GEN II PRIMAAX 460 (PAX460) GEN II

OEM# 47692, 47692-000

I.D. 22.2 mm
O.D. 50.8 mm
L.G. 76.2 mm

HEAVY DUTY VERSION



TORQUE ROD BUSH 13672
SUIT PRIMAAX 230 (PAX230) GEN II PRIMAAX 460 (PAX460) GEN II

OEM# 69210-000, 69210-000L, 69210-000H

B.H. 3/4"
O.D. 50.8 mm
L.G.C-C 111.9 mm



D-PIN BUSH 13627
SUIT PRIMAAX 230, 460 GEN II PRIMAAX 232, 462, 692 EX

OEM# 60383-000, 65831-000, 60383000 34013-116, 34013-117, 34013-107

B.H. 7/8"
O.D. 63.5 mm
L.G.C-C 140.5 mm



ECCENTRIC BOLT & WASHERS 13673
SUIT INTRAAX AANT 23K (NARROW) PRIMAAX SUSPENSION

OEM# 60632-005, 60632-006, 60632-019, S-20924 64633-000, 64632-000, 64097-000 64096-000, S-24705, S-23319, S -20925

T.H. 7/8" UNC
L.G. 177.8 mm

KIT INCLUDES
2x ECCENTRIC WASHERS
1x QUICK-ALIGN BOLT
WASHERS & NYLOC NUT



PIVOT BUSH 18821
SUIT PRIMAAX 230, 460 GEN II PRIMAAX 232, 462, 692 EX

OEM# 58648-000, 70425-001, 85109-229 58648000, 70425001, 85109229

I.D. 31.7 mm
O.D. 93.7 mm
T.K 92.1 mm



TOOLING AVAILABLE

PIVOT BUSH KIT 13817
SUIT PRIMAAX 230, 460 GEN II PRIMAAX 232, 462, 692 EX

OEM# 60632-8, 60632-020, 60632020 60632-043, 60632043, 606328

KIT INCLUDES
2x PIVOT BUSH 18821
2x ECCENTRIC BOLT & WASHER 13673



TOOLING AVAILABLE

PIVOT BUSH TOOL 13800
INSTALL & REMOVAL TOOL SUIT PRIMAAX SUSPENSION

OEM# 66086-203

DESIGNED TO REMOVE THE OEM BUSH AND INSTALL GAFF 18821 & 13817 ON THE VEHICLE CORRECTLY WITH EASE



PIVOT BUSH 13736
SUIT INTRAAX AANT 23K (NARROW BUSH)

OEM# 66086-203, 66086-203L

I.D. 31.7 mm
O.D. 152.4 mm
T.K 92.1 mm

EASY-ALIGN KIT IS 13594



TOOLING AVAILABLE

PIVOT BUSH WEAR PADS 13648
SUIT INTRAAX AANT 23K (NARROW BUSH)

OEM# B-21099, S-21099, S-26807 S-26807-4P

I.D. 74.6 mm
O.D. 188.9 mm
T.K 6.3 mm

SOLD AS A PAIR



PIVOT BUSH EASY-ALIGN KIT 13594
SUIT INTRAAX AANT 23K (NARROW BUSH)

OEM# D-25364, S20924, S-20925 S-23320, S-26321

KIT INCLUDES
1x ECCENTRIC BOLT & WASHER 13673
1x PIVOT BUSH 13736
1x WEAR PAD KIT 13648



TOOLING AVAILABLE

I.D. = INNER DIAMETER O.D. = OUTER DIAMETER W.D = WIDTH T.K. = THICKNESS H. = HEIGHT B.H. = BOLT HOLE OR BOLT SIZE T.H. = THREAD SIZE L.G. = LENGTH L.G. C-C = LENGTH CENTRE TO CENTRE

SUSPENSION PRODUCTS

GAFF™

To suit

Hendrickson Suspension



PIVOT BUSH — 13565

SUIT INTRAAX AAT 23K & 25K (WIDE) HLM, TOUGHLIFT FMT LIFT AXLE

OEM# A-6914, A21166, A31624, S-21166 S-24691, S-31624

I.D. 31.7 mm
O.D. 150.8 mm
L.G. 171.4 mm

PIVOT BUSH KIT IS 13510
EASY-ALIGN PIVOT KIT IS 13628



TOOLING AVAILABLE

PIVOT BUSH KIT — 13510

SUIT INTRAAX AAT 23K & 25K (WIDE) HLM, TOUGHLIFT FMT LIFT AXLE

OEM# A-6914, A21166, A31624, S-21166 S-24691, S-31624

KIT INCLUDES
1x PIVOT BUSH 13565
1x WEAR PAD KIT 13542
1x BOLT, NUT, SLEEVE

EASY-ALIGN KIT IS 13628



TOOLING AVAILABLE

PIVOT BUSH EASY-ALIGN KIT — 13628

SUIT INTRAAX AAT 23K & 25K (WIDE) HLM, TOUGHLIFT FMT LIFT AXLE

OEM# A-6914, A21166, A31624, S-21166 S-24691, S-31624

KIT INCLUDES
1x ECCENTRIC BOLT & WASHER 13604
1x PIVOT BUSH 13565
1x WEAR PAD KIT 13542



TOOLING AVAILABLE

PIVOT BUSH WEAR PADS — 13542

SUIT INTRAAX AAT 23K & 25K (WIDE) HLM, TOUGHLIFT FMT LIFT AXLE

OEM# B-11613, S-11613, S-21099 S-21099-4P

I.D. 60.3 mm
O.D. 177.8 mm
T.K 8.7 mm

SOLD AS A PAIR



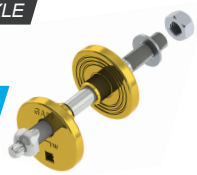
ECCENTRIC BOLT & WASHERS — 13604

SUIT INTRAAX AAT 23K & 25K (WIDE) HLM, TOUGHLIFT FMT LIFT AXLE

OEM# 60632-066, S-21052, S-24679

T.H. 7/8" UNC
L.G. 250.8 mm

KIT INCLUDES
2x ECCENTRIC WASHERS
1x QUICK-ALIGN BOLT WASHERS & NYLOC NUT



SHOCK ABSORBER BUSH — 18533

SUIT INTRAAX SUSPENSION HLM TOUGHLIFT LIFT AXLE

OEM# A-13123L-8P, 98941-006-8P

I.D. 19.8 mm
O.D.1 34.1 mm
O.D.2 39.7 mm
L.G. 44.5 mm

SUIT SHOCK ABSORBER S-21699



PIVOT BUSH TOOL — 13581

SUIT INTRAAX AAT 23K & 25K (WIDE) HLM, TOUGHLIFT FMT LIFT AXLE

OEM# S-21307

DESIGNED TO REMOVE THE OEM BUSH AND INSTALL GAFF 13510, 13565, 13583, 13600, 13628 & 13817 CORRECTLY WITH EASE



PIVOT BUSH TOOL — 13623

INSTALL & REMOVAL TOOL SUIT INTRAAX AANT 23K (NARROW)

OEM# S-24736

DESIGNED TO REMOVE THE OEM BUSH AND INSTALL GAFF 13594 & 13736 CORRECTLY WITH EASE



EQUALIZER BUSH — 13526

SUIT E4-SERIES, HFS-SERIES

OEM# 47420, 48402, 48932 E4HZ5872A

I.D. 25.4 mm
O.D. 69.8 mm
L.G. 111.1 mm



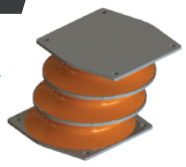
BOLSTER SPRING — 13601

SUIT HN-SERIES

OEM# 49377, 49377-000, 60879-000 250196C1, 2506180C91

W.D. 203.2 mm
L.G. 276.2 mm
H. 139.7 mm

SINGLE SPRING BOLSTER SPRING KIT IS 13721



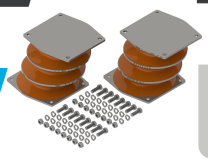
BOLSTER SPRING KIT — 13721

SUIT HN-SERIES

OEM# 49377, 49377-000, 60879-000 250196C1, 2506180C91

W.D. 203.2 mm
L.G. 276.2 mm
H. 139.7 mm

KIT INCLUDES
2x SPRINGS 13601
16x BOLTS & NUTS
32x WASHERS

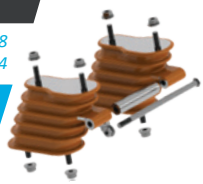


BOLSTER SPRING KIT — 13626

SUIT HAULMAAX

OEM# 64179-002, 64179-037, 64179-048 64179-049, 65743-000, 65902-004

KIT INCLUDES
1x SPACER TUBE & FLANGE BOLT
1x HARDWARE KIT (NUTS & WASHERS)
2x BOLSTER SPRINGS



BEAM END BUSH KIT — 13596

SUIT RS-SERIES, RT-SERIES HN-SERIES, HAULMAAX

OEM# 34013-87, 34013-087, 34013-88, 13607 34013-088, 34013-188, 50150-000

KIT INCLUDES
1x BEAM END BUSH
1x HARDWARE KIT
4x SHIM WASHERS

OEM STYLE EASY MOUNT STYLE IS 83596



TOOLING AVAILABLE

BEAM END BUSH KIT — 83596

SUIT RS-SERIES, RT-SERIES HN-SERIES, HAULMAAX

OEM# 34013-87, 34013-087, 34013-88, 13607 34013-088, 34013-188, 50150-000

KIT INCLUDES
1x BEAM END BUSH
1x HARDWARE KIT
4x SHIM WASHERS

EASY MOUNT DESIGN HIGH ARTICULATION 360 DEGREE ROTATION



TOOLING AVAILABLE

BEAM END BUSH TOOL — 13595

INSTALL & REMOVAL TOOL

DESIGNED TO REMOVE THE OEM BUSH AND INSTALL GAFF 13596, 13607 & 83596 CORRECTLY WITH EASE



AUXILIARY LOAD SPRING — 13611

SUIT HN-SERIES (SOME) HAULMAAX (SOME)

OEM# 641794, 60314-000, 64179-004 58947-000

W.D. 129.4 mm
L.G. 119.1 mm
H. 84.9 mm



AUXILIARY LOAD SPRING — 13812

SUIT HN-SERIES (SOME) HAULMAAX (SOME)

OEM# 67778, 67778-000

W.D. 127.0 mm
L.G. 123.8 mm
H. 106.4 mm

DOUBLE AUXILIARY LOAD SPRING KIT IS 13814



AUXILIARY LOAD SPRING KIT — 13814

SUIT HN-SERIES (SOME) HAULMAAX (SOME)

OEM# 60961-747, 60961-745

KIT INCLUDES
2x AUXILIARY LOAD SPRINGS 13812
1x HARDWARE KIT (BOLTS & NUTS)



REBOUND ROLLER KIT — 11747

SUIT HAS-SERIES SUSPENSION

OEM# 98758-001, 98758-001-2P 49175-014-2P

B.H. 1/2" UNC
I.D. 14.3 mm
O.D. 63.5 mm
L.G. 92.1 mm

SINGLE ROLLER KIT DOUBLE ROLLER KIT IS 11747-2P



SLIPPER WEAR PAD KIT — 13524

SUIT E4-SERIES, HAS-SERIES HTS-SERIES

OEM# 50612-000, 56557-002 56929-000-2P

W.D. 76.2 mm
L.G. 172.2 mm
H. 73.0 mm

KIT INCLUDES
1x SLIPPER WEAR PAD
4x BOLTS & WASHERS
2x RETAINERS



CENTER BUSHING — 13505

SUIT 340-440 SERIES, RS-SERIES RT& RTE-SERIES SUSPENSION

OEM# 05919-000, 22282, 29483-5, 49400-000 49600-000, 124901R91, 3255880R1

O.D.1 88.9 mm
O.D.2 120.6 mm
L.G. 304.8 mm

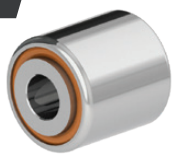


TORQUE ROD BUSH — 13514

SUIT INTERNATIONAL SUSPENSION

OEM# 45477, 322069C1, 322069C91

I.D. 28.6 mm
O.D. 76.2 mm
L.G. 82.5 mm



TORQUE ROD BUSH — 13515

SUIT INTERNATIONAL SUSPENSION

OEM# 476991, 47699-001, 73073-1 438506C1, 438506C91

B.H. 13/16"
O.D. 76.2 mm
L.G.C-C 144.5 mm



TORQUE ROD BUSH — 13516

SUIT INTERNATIONAL SUSPENSION

OEM# 46736, 64400-010 1693070C1

I.D. 28.6 mm
O.D. 69.8 mm
L.G. 82.5 mm



I.D. = INNER DIAMETER O.D. = OUTER DIAMETER W.D = WIDTH T.K. = THICKNESS H. = HEIGHT B.H. = BOLT HOLE OR BOLT SIZE T.H. = THREAD SIZE L.G. = LENGTH L.G. C-C = LENGTH CENTRE TO CENTRE



PRIMAAX 230 / 460 GEN II

1. TORQUE ROD BUSH **13672**

2. TORQUE ROD BUSH **14010**

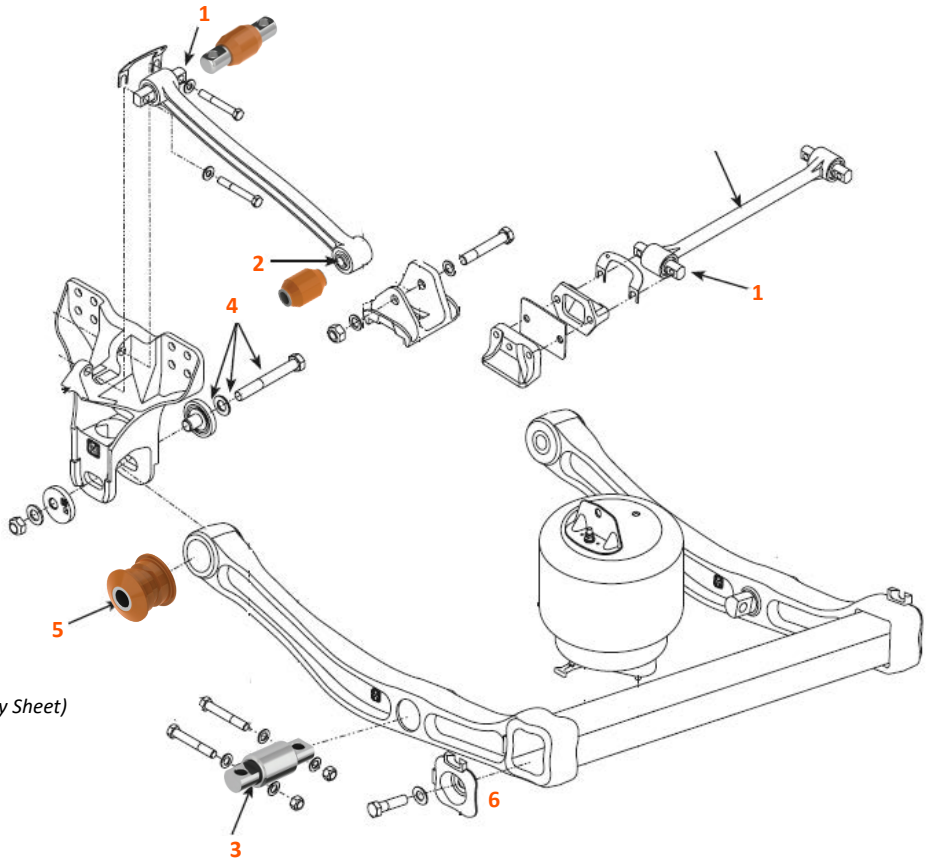
3. D-PIN BUSH **13627**

4. ECCENTRIC BOLT & WASHER KIT **13673**

5. PIVOT BUSH **18821**
   PIVOT BUSH KIT **13817**
   INCLUDES 2 BUSHES, BOLTS, NUTS, WASHERS
   INSTALL & REMOVAL TOOL IS **13800**

6. PRIMAAX GEN II HAS A DETACTABLE END CAP
   PRIMAAX EX HAS A INTEGRATED END CAP

   TWO PIECE TORQUE RODS AVAILABILE *(See Torque Rod Assembly Sheet)*



PRIMAAX 232 / 462 / 692 EX

1. TORQUE ROD BUSH **13521** IS STANDARD OEM DESIGN
   TORQUE ROD BUSH **11004** IS ANTI-WALK DESIGN

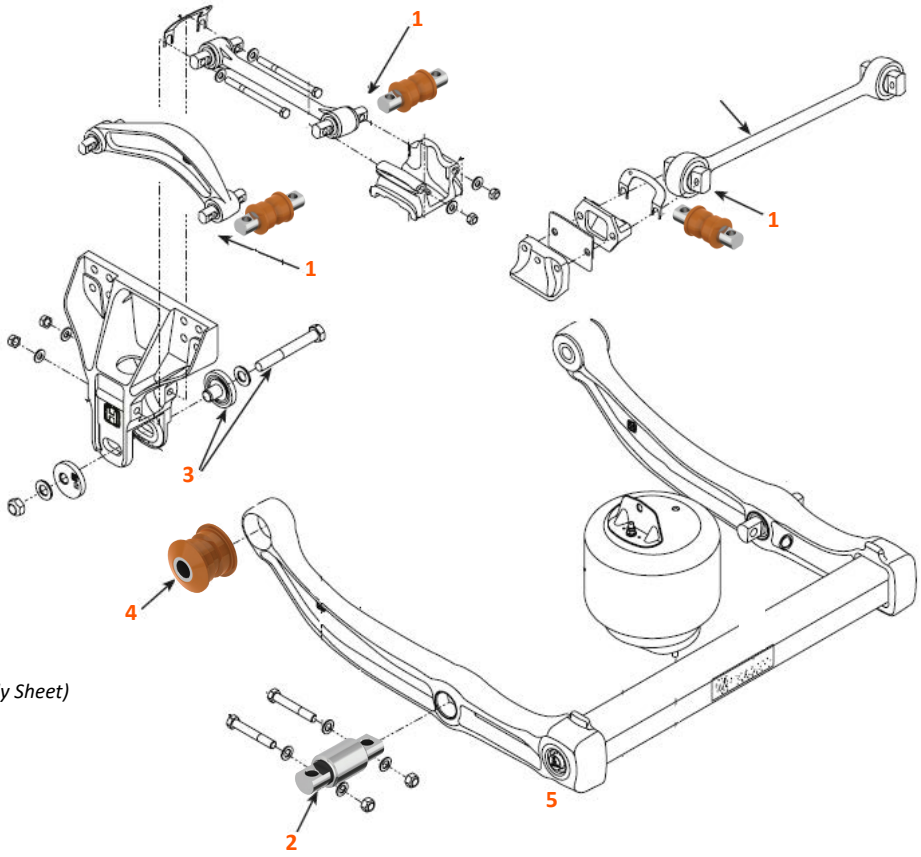
2. D-PIN BUSH **13627**

3. ECCENTRIC BOLT & WASHER KIT **13673**

4. PIVOT BUSH **18821**
   PIVOT BUSH KIT **13817**
   INCLUDES 2 BUSHES, BOLTS, NUTS, WASHERS
   INSTALL & REMOVAL TOOL IS **13800**

5. PRIMAAX EX HAS A INTEGRATED END CAP

   TWO PIECE TORQUE RODS AVAILABILE *(See Torque Rod Assembly Sheet)*



SUSPENSION PRODUCTS

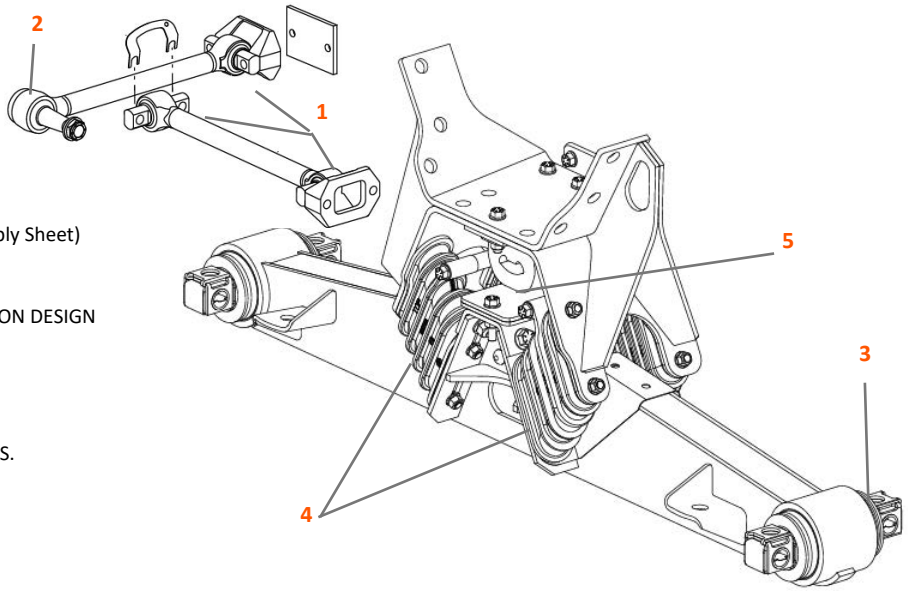
GAFF™

To suit

Hendrickson Suspension



HAULMAAX



1.TORQUE ROD BUSH **13521** IS 51MM OEM DESIGN BUSH
TORQUE ROD BUSH **11004** IS 51MM ANTI-WALK DESIGN BUSH

2.TORQUE ROD BUSH **13582** IS 51MM SLEEVELESS DESIGN
TWO PIECE TORQUE RODS AVAILABILE (See Torque Rod Assembly Sheet)

3.BEAM END BUSH KIT **13596** IS OEM SHIM DESIGN
BEAM END BUSH KIT **83596** IS EASY-MOUNT HIGH ARTICULATION DESIGN
ALL KITS INCLUDES BUSH, RETAINERS, BOLTS, NUTS, WASHERS
INSTALL & REMOVAL TOOL IS **13595**

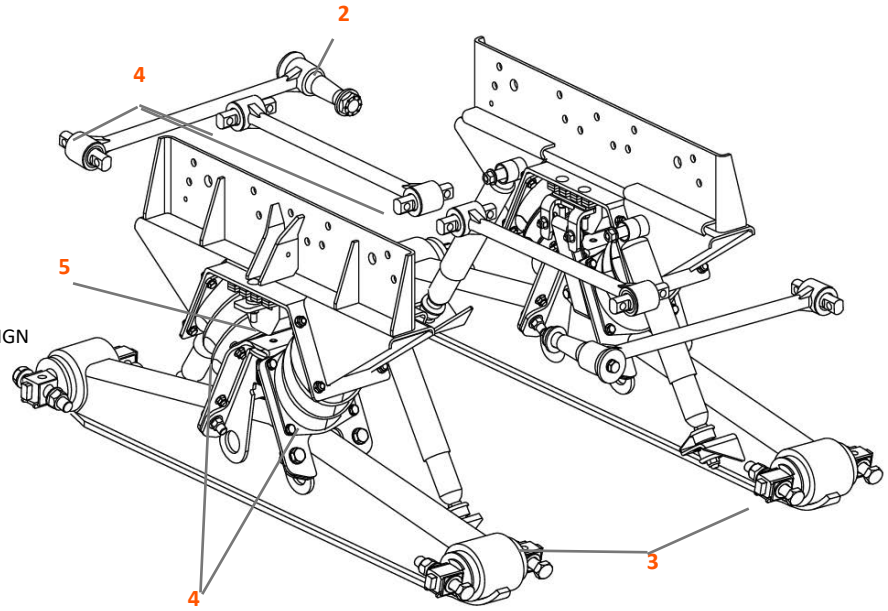
4.BOLSTER SPRING KIT **18821**
INCLUDES 2 BOLSTER SPRINGS, SPACER, NUTS, BOLTS, WASHERS.

5.AUXILIARY LOAD SPRING **13611** OLD TYPE

AUXILIARY LOAD SPRING **13812** NEW TYPE

NEW TYPE KIT IS **13814** INCLUDES 2 SPRINGS & HARDWARE.

HN 402 / 460 / 462 / 522



1.TORQUE ROD BUSH **13521** IS 51MM OEM DESIGN BUSH
TORQUE ROD BUSH **11004** IS 51MM ANTI-WALK DESIGN BUSH
TORQUE ROD BUSH **13520** IS 70MM OEM DESIGN BUSH
TORQUE ROD BUSH **83520** IS 70MM EASY-MOUNT DESIGN BUSH

2.TORQUE ROD BUSH **13582** IS 50MM SLEEVELESS DESIGN
TORQUE ROD BUSH **13518** IS 71MM OEM DESIGN BUSH
TORQUE ROD BUSH **13533** IS 71MM SLEEVELESS DESIGN BUSH
TWO PIECE TORQUE RODS AVAILABILE (See Torque Rod Assembly Sheet)

3.BEAM END BUSH KIT **135696** IS OEM SHIM DESIGN
BEAM END BUSH KIT **83596** IS EASY-MOUNT HIGH ARTICULATION DESIGN
ALL KITS INCLUDES BUSH, RETAINERS, BOLTS, NUTS, WASHERS
INSTALL & REMOVAL TOOL IS **13595**

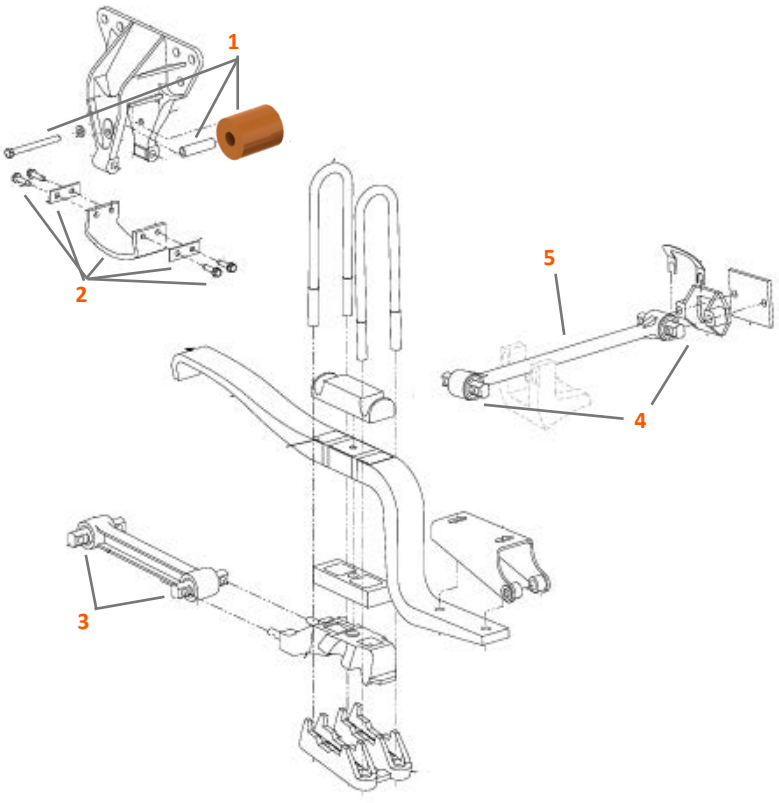
4.BOLSTER SPRING **13601**

BOLSTER SPRING KIT **13721**
INCLUDES 2 BOLSTER SPRINGS, NUTS, BOLTS, WASHERS.

5.AUXILIARY LOAD SPRING **13611** OLD TYPE

AUXILIARY LOAD SPRING **13812** NEW TYPE
NEW TYPE KIT IS **13814** INCLUDES 2 SPRINGS & HARDWARE.

HAS 360 / 400 / 402 / 460



1.REBOUND ROLLER KIT IS **11747** (SINGLE ROLLER)
REBOUND ROLLER KIT IS **11747-2P** (PAIR OF ROLLERS)

2.WEAR PAD KIT IS **14010** SINGLE WEAR PAD
KIT INCLUDES WEAR PAD/RETAINERS/BOLTS/WASHERS

3.LOWER TORQUE ROD BUSH **13521** IS OEM DESIGN
LOWER TORQUE ROD BUSH **11004** IS ANTI-WALK DESIGN

4.*Note: Check Torque Rod fitted as there is 2 different O.D. bushes*
51MM TORQUE ROD BUSH **13521** IS STANDARD OEM DESIGN
51MM TORQUE ROD BUSH **11004** IS ANTI-WALK DESIGN
70MM TORQUE ROD BUSH **13520** IS STANDARD OEM DESIGN
70MM TORQUE ROD BUSH **13536** IS SLEEVLESS DESIGN
70MM TORQUE ROD BUSH **83520** IS EASY MOUNT, ROTATION DESIGN
INSTALL & REMOVAL TOOL IS **18551**

5.TWO PIECE TORQUE RODS AVAILABILE *(See Torque Rod Assembly Sheet)*

SUSPENSION PRODUCTS

GAFF™

To suit

NeWay Suspension



FRONT PIVOT BUSH 14513

AR 41-45, 70-75, 80-85, 90-95, 250, 955
ARU 92, 93

OEM# 900-08-139, 90008139

I.D. 29 mm
O.D. 89 mm
L.G. 133 mm



FRONT PIVOT BUSH 14514

AD 123, 126, 246, 252, 369, 378

OEM# 900-08-151, 90008151
900-08-252, 90008252

I.D. 29 mm
O.D. 89 mm
L.G. 127 mm



FRONT PIVOT BUSH 14538

ADZ 123, 126, 246, 252, 369, 378

OEM# 900-08-266, 90008266
900-08-279, 90008279

I.D. 29 mm
O.D. 81 mm
L.G. 102 mm



AXLE BUSH - THRU STYLE 14527

AD 123, 246, 369

OEM# 900-08-008, 90008008

I.D. 64 mm
O.D. 98 mm
L.G. 146 mm

THRU STYLE BUSH
PIN STYLE BUSH
IS 14532



AXLE BUSH - PIN STYLE 14532

AD 123, 246, 369

OEM# 900-08-175, 90008175

B. H 1-1/16"
O.D. 98 mm
L.G. C-C 216 mm

PIN STYLE BUSH
THRU STYLE BUSH
IS 14527



AXLE BUSH 14533

AR 90, 91, 92, 93, 250
ARU 92, 93

OEM# 900-08-148, 90008148
900-08-149, 90008149

I.D. 29 mm
O.D. 71 mm
L.G. 127 mm



AXLE BUSH 14536

ADZ 123, 126, 246, 252, 369, 378

OEM# 900-08-267, 90008267

B. H 1"
O.D. 79 mm
L.G. C-C 159 mm



TRANSVERSE BEAM BUSH 31592

AD 123, 126, 246, 252, 369, 378

OEM# 900-08-006, 90008006
900-08-219, 90008219

I.D. 64 mm
O.D. 98 mm
L.G. 133 mm



TRUNNION BUSH 14027

TS / US / USR
SINGLE POINT SUSPENSION

OEM# 900-08-004, 900-08-043
910-08-022, 910-08-036

I.D. 102 mm
O.D. 127 mm
L.G. 229 mm



TORQUE ROD BUSH 11729

ADZ 123, 126, 246, 252, 369, 378

OEM# 900-08-265, 90008265
Refer Tech Pub #TP-0024A

B. H 5/8"
O.D. 69 mm
L.G. C-C 111 mm

STRESS RELIEF STYLE
ADZ MODEL ONLY
OEM STYLE BUSH
IS 13520



TOOLING AVAILABLE

V-ROD BUSH 14537

ADZ 123, 126, 246, 252, 369, 378

OEM# 900-08-264, 90008264

I.D. 26 mm
O.D. 70 mm
L.G. 72 mm



TORQUE ROD BUSH 13518

AD 123, 126, 246, 252, 369, 378

OEM# 44697, 44697-000, 229610
64400, 64400-004, IPC229610

T.H. 1-1/4" UNF
O.D. 70 mm
L.G. 204 mm



TOOLING AVAILABLE

TORQUE ROD BUSH 13520

AD 123, 126, 246, 252, 369, 378

OEM# 44695, 44695-000
64400-002, 66649-002

B. H 5/8"
O.D. 69 mm
L.G. C-C 111 mm

3/4" BOLT VERSION
IS 13528
EASY MOUNT
DESIGN IS 83520



TORQUE ROD BUSH 13528

AD 123, 126, 246, 252, 369, 378

OEM# 49210, 49210-000
64400-005, 66649-005

B. H 3/4"
O.D. 69 mm
L.G. C-C 111 mm

5/8" BOLT VERSION
IS 13520



TORQUE ROD BUSH 83520

AD 123, 126, 246, 252, 369, 378

OEM# 44695, 44695-000
64400-002, 66649-002

B. H 5/8"
O.D. 69 mm
L.G. C-C 111 mm

EASY MOUNT DESIGN
HIGH ARTICULATION
360 DEGREE
ROTATION



TORQUE ROD BUSH 13533

AD 123, 126, 246, 252, 369, 378

OEM# 44697, 44697-000, 229610
64400, 64400-004, IPC229610

T.H. 1-1/4" UNF
O.D. 70 mm
L.G. 204 mm

13518 WITHOUT
METAL SLEEVE



TORQUE ROD BUSH 13536

AD 123, 126, 246, 252, 369, 378

OEM# 44695, 44695-000
64400-002, 66649-002

B. H 5/8"
O.D. 79 mm
L.G. C-C 111 mm

13520 WITHOUT
METAL SLEEVE



TORQUE ROD ASSEMBLY 13686

AD 123, 126, 246, 252, 369, 378

OEM# 46630, 66630, 928630
66630-000, IPC928630

T. H 1-1/4" UNF
L.G. 189 mm

TUBE END ASSEMBLY
FITTED WITH 13518



TORQUE ROD ASSEMBLY 13683

AD 123, 126, 246, 252, 369, 378

OEM# 46610, 46610-003, 46610-005
66610, 66610-000, 928610

B. H 5/8"
L.G. 189 mm
L.G. C-C 111 mm

TUBE END ASSEMBLY
FITTED WITH 13520
EASY MOUNT
VERSION IS 13790



TORQUE ROD ASSEMBLY 13790

AD 123, 126, 246, 252, 369, 378

OEM# 46610, 46610-003, 46610-005
66610, 66610-000, 928610

B. H 5/8"
L.G. 189 mm
L.G. C-C 111 mm

TUBE END ASSEMBLY
FITTED WITH 83520
EASY MOUNT
VERSION



TORQUE ROD BUSH TOOL 13584

INSTALL & REMOVAL TOOL

DESIGNED TO REMOVE THE OEM BUSH
AND INSTALL GAFF 13518 & 13533
CORRECTLY WITH EASE



TORQUE ROD ASSEMBLY 13691

AD 123, 126, 246, 252, 369, 378

OEM# 46661, 900-446-36, 90044636
66661, 928660, 928661

B. H 5/8"
L.G. 624 mm
L.G. C-C 111 mm

ROD END ASSEMBLY
FITTED WITH 13520
EASY MOUNT
VERSION IS 13789



TORQUE ROD ASSEMBLY 13789

AD 123, 126, 246, 252, 369, 378

OEM# 46661, 900-446-36, 90044636
66661, 928660, 928661

B. H 5/8"
L.G. 624 mm
L.G. C-C 111 mm

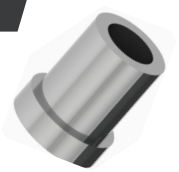
ROD END ASSEMBLY
FITTED WITH 83520
EASY MOUNT
VERSION



TORQUE ROD BUSH TOOL 18551

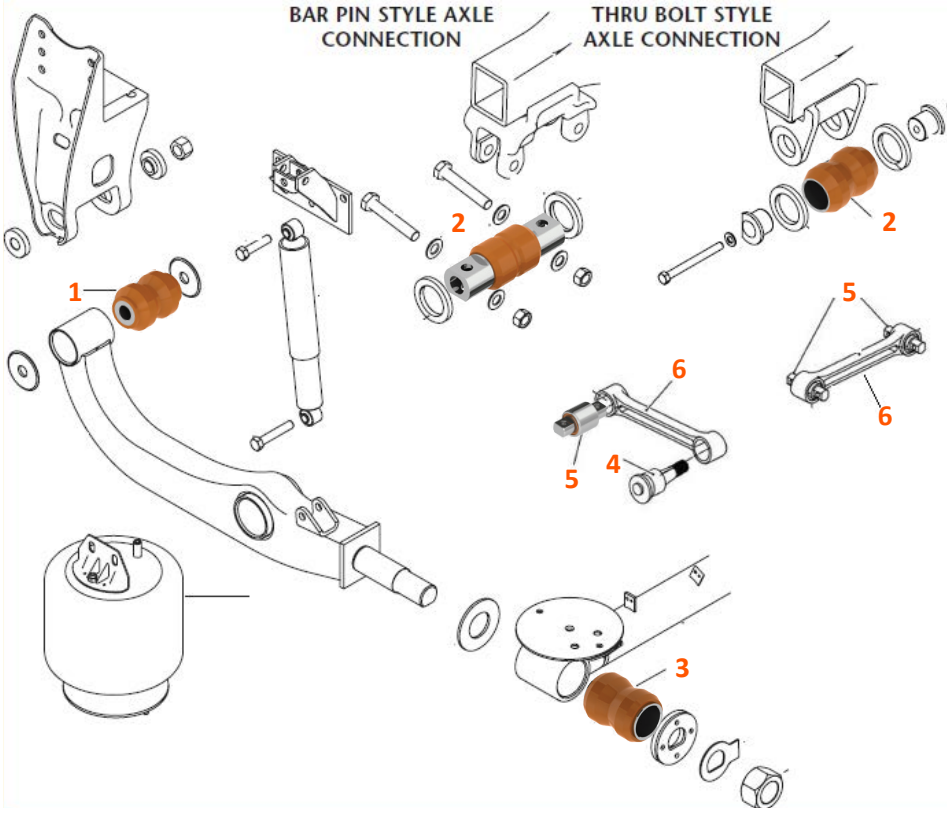
INSTALL & REMOVAL TOOL

DESIGNED TO REMOVE THE OEM BUSH
AND INSTALL GAFF 11729, 13520,
13528, 13536 & 83520
CORRECTLY WITH EASE



I.D. = INNER DIAMETER O.D. = OUTER DIAMETER H. = HEIGHT B.H. = BOLT HOLE OR BOLT SIZE T.H. = THREAD SIZE L.G. = LENGTH L.G. C-C = LENGTH CENTRE TO CENTRE

NEWAY AD SERIES



1. 14514 FRONT PIVOT BUSH
Suit AD-123/126/246/252/369/378.

2. AXLE BUSHING
14532 AXLE BUSH - PIN/BAR STYLE
Suit AD-123/246/369.
or
14527 AXLE BUSH - THRU BOLT STYLE
Suit AD-123/246/369.

3. 31592 TRANSVERSE BEAM BUSH
Suit AD-123/126/246/252/369/378.

4. 13518 TORQUE ROD BUSH - TAPERED
Suit AD-123/126/246/252/369/378.
13584 INSTALL & REMOVAL TOOL
Suit OEM & GAFF 13518.

5. 13520 TORQUE ROD BUSH - OEM STYLE
83520 TORQUE ROD BUSH - EASY MOUNT HIGH ARTICULATION 360' ROTATION
Suit AD-123/126/246/252/369/378.
18551 INSTALL & REMOVAL TOOL
Suit OEM & GAFF 13520 & 83520.

6. ***NOTE:*** *DUE TO DIFFERENT OEM LENGTHS YOU WILL NEED TO MAKE YOUR OWN USING A TUBE & ROD END.*

13683 TORQUE ROD ASSEMBLY TUBE END FITTED WITH 13520 OEM STYLE BUSH.
13790 TORQUE ROD ASSEMBLY TUBE END FITTED WITH 83520 EASY MOUNT, HIGH ARTICULATION BUSH
13686 TORQUE ROD ASSEMBLY TUBE END FITTED WITH 13518 TAPERED BUSH
13691 TORQUE ROD ASSEMBLY ROD END FITTED WITH 13520 OEM STYLE BUSH.
13789 TORQUE ROD ASSEMBLY ROD END FITTED WITH 83520 EASY MOUNT, HIGH ARTICULATION BUSH

NEWAY ADZ SERIES

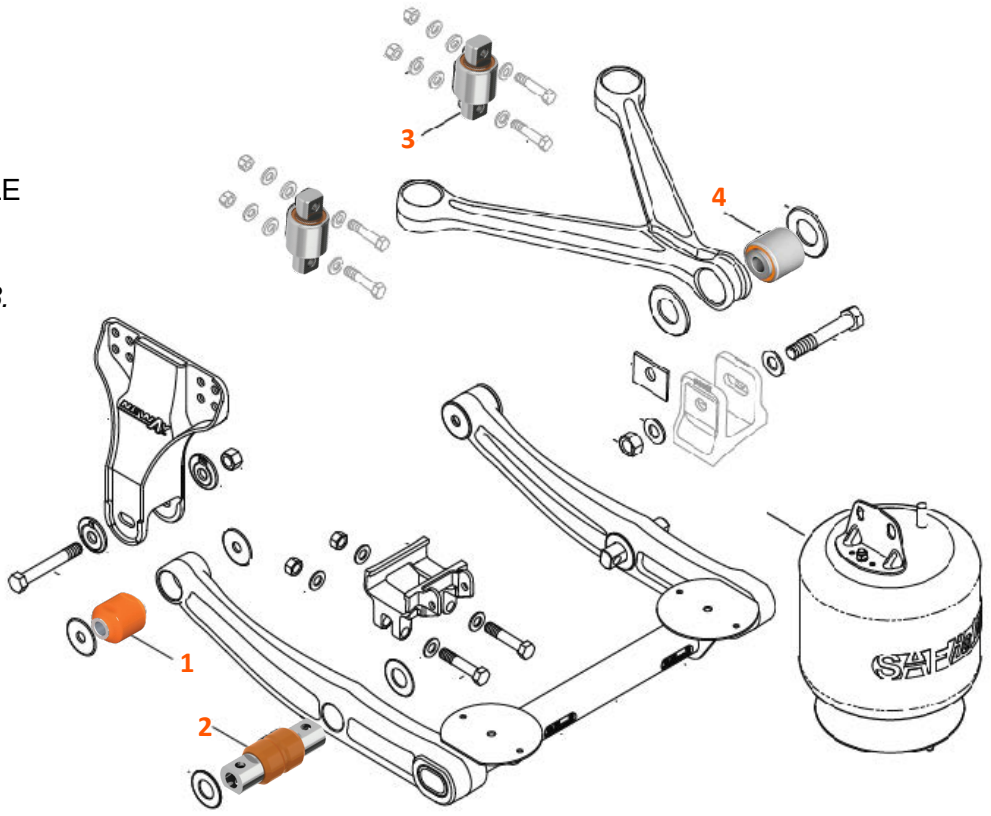
1. 14538 FRONT PIVOT BUSH
Suit ADZ-123/126/246/252/369/378.

2. 14536 AXLE BUSH - PIN/BAR STYLE
Suit ADZ-123/126/246/252/369/378.

3. 13520 TORQUE ROD BUSH - OEM STYLE
11729 TORQUE ROD BUSH - STRESS RELIEF DESIGN
Suit ADZ-123/126/246/252/369/378.
(Refer Tech Pub TP-0024A)

18551 INSTALL & REMOVAL TOOL
Suit OEM & GAFF 13520 & 11729.

4. 14537 V-ROD BUSH
Suit ADZ-123/126/246/252/369/378.



SUSPENSION PRODUCTS

GAFF

To suit **Kenworth**



FRONT MOTOR MOUNT — 11615
BARRY STYLE MOUNT

OEM# K066-404, K066-405, K066-406, K066-407, K066-423, D13-1012

I.D. 21 mm
O.D.1 51 mm
O.D.2 89 mm
B.H. 3/4" UNF

1 UPPER MOUNT
1 LOWER MOUNT



FRONT MOTOR MOUNT KIT — 11762
BARRY STYLE MOUNT

OEM# K066-404, K066-405, K066-406, K066-407, K066-423, D13-1012

I.D. 21 mm
O.D.1 51 mm
O.D.2 89 mm
B.H. 3/4" UNF

2x 11615 MOUNTS
INCLUDES BOLTS, NUTS & WASHERS



FRONT MOTOR MOUNT — 11613
BUTTON STYLE MOUNT

OEM# K066-229, M700NR, AV018TRP

I.D. 19 mm
O.D.1 53 mm
O.D.2 97 mm
H. 65 mm



REAR MOTOR MOUNT KIT — 11760
BARRY STYLE MOUNT

OEM# K066-377, K066-391, K066-421, D13-1001-2, D13-1001-4, AV024TRP

I.D. 21 mm
B.H. 3/4" UNF



REAR MOTOR MOUNT — 11614
BUTTON STYLE MOUNT
SUIT C5 & K2 SERIES (SOME)

OEM# K066-247, M506-70NR, AV026TRP

I.D. 16 mm
W. 50 mm
L.G 141 mm
B.H. 5/8"

11614 HEIGHT IS 59 MM
11539 HEIGHT IS 65 MM



REAR MOTOR MOUNT KIT — 11837
BUTTON STYLE MOUNT
SUIT C5 & K2 SERIES (SOME)

OEM# K066-247, M506-70NR, AV026TRP

I.D. 16 mm
W. 50 mm
L.G 141 mm
B.H. 5/8" UNF

2x 11614 MOUNTS
INCLUDES BOLTS, NUTS & WASHERS



REAR MOTOR MOUNT — 11535

OEM# K174-456, K174-555

W. 51 mm
H. 55 mm
L.G. 114 mm

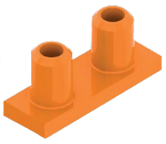


REAR MOTOR MOUNT — ММроф
BUTTON STYLE MOUNT
SUIT T4, T6 & T9 SERIES (SOME)

OEM# K066-2ун, Улсстнфсї Улсстонлї AV02pTRP

I.D. 16 mm
W. 53 mm
L.G 146 mm
B.H. 5/8"

11539 HEIGHT IS 65 MM
11614 HEIGHT IS 59 MM



REAR MOTOR MOUNT KIT — ММтСМ
BUTTON STYLE MOUNT
SUIT T4, T6 & T9 SERIES (SOME)

OEM# K066-2ун, Улсстнфсї Улсстонлї AV02pTRP

I.D. 16 mm
W. 53 mm
L.G 146 mm
B.H. 5/8" UNF

2x 11539 MOUNTS
INCLUDES BOLTS, NUTS & WASHERS



MOTOR MOUNT — 11707

OEM# M501, M501-70NR

H. . 51 mm
O.D.1 41 mm
O.D.2 64 mm
B.H. 5/8"



HOOD GUIDE — 11545
SUIT T3, T4, T6, T9, C5 SERIES (SOME)

OEM# K179-499

H. . 98 mm
O.D.1 38 mm
O.D.2 81 mm
B.H. 1/2" UNC



ANTI-VIBRATION MOUNT — 11705
VARIOUS HOOD, CAB, RADIATOR & FUEL TANK BRACES

OEM# K066-176, K066-250, M600, AV012TRP

H. . 60 mm
O.D.1 46 mm
O.D.2 76 mm
B.H. 5/8"

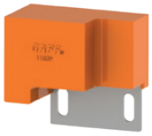


HOOD SUPPORT - RHS — 11839
SUIT T4, T6, T9 & C5 SERIES (SOME)

OEM# R85-1236R, K278-1342R, AV017TRP

H. . 57.9 mm
W.D. 107.2 mm
L.G 100.1 mm
L.G.C-C 60.3 mm

RIGHT HAND SIDE
LEFT HAND SIDE IS 11840



HOOD SUPPORT - LHS — 11840
SUIT T4, T6, T9 & C5 SERIES (SOME)

OEM# R85-1236, K278-1342, AV017TRP

H. . 57.9 mm
W.D. 107.2 mm
L.G 100.1 mm
L.G.C-C 60.3 mm

LEFT HAND SIDE
RIGHT HAND SIDE IS 11839



HOOD SUPPORT — 11848
SUIT T360, T410, T410SAR T610, T610SAR

OEM# L85-6081

L.G. 129.3 mm
W. 93.7 mm
H. 58.7 mm



HOOD SUPPORT - RHS — 11857
SUIT T3 SERIES (SOME)

OEM# R85-1237R, R85-1252R, R85-1160R

H. . 34.0 mm
W.D. 80.2 mm
L.G 80.1 mm
L.G.C-C 30.3 mm

RIGHT HAND SIDE
LEFT HAND SIDE IS 11858



HOOD SUPPORT - LHS — 11858
SUIT T3 SERIES (SOME)

OEM# R85-1237, R85-1252, R85-1160

H. . 34.0 mm
W.D. 80.2 mm
L.G 80.1 mm
L.G.C-C 30.3 mm

LEFT HAND SIDE
RIGHT HAND SIDE IS 11857



HOOD ROLLER BUSH — 11805

OEM# K066-360, 13-04391

I.D. . 17.5 mm
O.D. 28.6 mm
L.G. 38.1 mm



HOOD HINGE BUSH - UPPER — 11860
SUIT T360, T410, T410SAR T610, T610SAR

OEM# L13-6006

B.H. 3/4"
W.D. 50..8 mm
L.G. 118.1 mm
H. 15.9 mm

UPPER BUSH
LOWER BUSH IS 12410

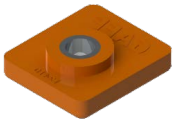


HOOD HINGE BUSH - LOWER — 12410
SUIT T360, T410, T410SAR T610, T610SAR

OEM# 13-04164

I.D. . 12.7 mm
W.D. 50..8 mm
L.G. 57.1 mm
H. 15.9 mm

LOWER BUSH
UPPER BUSH IS 11860



HOOD HINGE ROLLER — 12367
SUIT T360, T410, T410SAR T610, T610SAR

OEM# L13-6018, 13-03440, 13-04588

I.D. . 12.7 mm
O.D. 33.3 mm
L.G. 50.8 mm



HOOD HINGE BUSH - UPPER — 11843

OEM# K066-463, K066-516

B.H. 3/4"
H. 38.1 mm
L.G.C-C 55.6 mm

UPPER BUSH
LOWER BUSH IS 11844



HOOD HINGE BUSH - LOWER — 11844

OEM# K066-462, K066-517

B.H. 3/4"
H. 50.8 mm
L.G.C-C 55.6 mm

LOWER BUSH
UPPER BUSH IS 11843



ANTI-VIBRATION MOUNT — 11544
VARIOUS HOOD, EXHAUST, CAB AIR INTAKE

OEM# CB1121-10, K066-218, K066-338 M300-70NR, 11709

I.D. . 13.5 mm
O.D.1 31.7 mm
O.D.2 44.5 mm
H. 31.8 mm

32MM TALL
35MM TALL STYLE IS 11709



I.D. = INNER DIAMETER O.D. = OUTER DIAMETER W. = WIDTH H. = HEIGHT B.H. = BOLT HOLE OR BOLT SIZE T.H. = THREAD SIZE L.G. = LENGTH L.G. C-C = LENGTH CENTRE TO CENTRE

SUSPENSION PRODUCTS

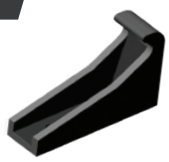
GAFF™

To suit Kenworth



HOOD LATCH - HOOK — 11097
SUIT T3, T360, T410, T610 SERIES

OEM# L03-0001, AV014TRP



W.D. 25.4 mm
L.G. 90.4 mm
H 53.9 mm

HOOD LATCH STRAP IS 12365
HOOD LATCH ASSY IS 11134

HOOD LATCH - STRAP — 12365
SUIT T3, T360, T410, T610 SERIES

OEM# L56-0001, AV014TRP



L.G. 225.4 mm

HOOD LATCH HOOK IS 11097
HOOD LATCH ASSY IS 11134

HOOD LATCH ASSEMBLY — 11134
SUIT T3, T360, T410, T610 SERIES

OEM# L56-0001, AV014TRP



HOOD LATCH ASSEMBLY INCLUDES 12365 WITH BRACKET

BATTERY BOX - LATCH — 10024

OEM#



L.G. 149.2 mm

HOOD LATCH - STRAP — 11768
SUIT T403, T608, T609 (SOME) FRANNA CRANE

OEM# 37-99-344, 37-41-295-60



L.G. 273.0 mm

HOOD LATCH - STRAP — 11543
SUIT C5, T4, T6, T9, T410SAR, T610SAR

OEM# K147-107, K147-106, K147C106



L.G. 230.9 mm

CAB & RADIATOR MOUNT — 11612
BUTTON STYLE MOUNT

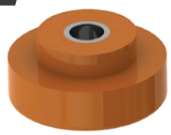
OEM# K066-177, K066-229 M500-70NR



I.D. . 15.8 mm
O.D.1 39.6 mm
O.D.2 65.8 mm
H. 52.3 mm

RADIATOR MOUNT — M1523
BUTTON STYLE MOUNT

OEM# K066-228, K066-251 M601-70NR



I.D. . 15.8 mm
O.D.1 46.0 mm
O.D.2 73.0 mm
H. 33.3 mm

ANTI-VIBRATION MOUNT — M1709
VARIOUS HOOD, EXHAUST, CAB AIR INTAKE

OEM# K066-218, K066-338 M300-70NR, 11544



I.D. . 13.5 mm 35MM TALL
O.D.1 29.3 mm
O.D.2 44.5 mm 32MM TALL
H. 34.9 mm STYLE IS 11544

RADIATOR STAY BUSH KIT — 11548
SUIT SIDE STAY BAR / BRACE

OEM# K264-84, K221-4992



I.D. . 12.7 mm
O.D. 41.2 mm
H 34.9 mm

KIT INCLUDES
1x LOWER MOUNT
1x UPPER MOUNT

CHARGED AIR COOLER MOUNT — 11554

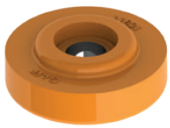
OEM# M200-70EP



I.D. . 10.3 mm
O.D.1 21.4 mm
O.D.2 25.4 mm
H. 25.4 mm

RADIATOR STAY BUSH — 11831
SUIT TOP STAY BAR / BRACE

OEM# J-8006-10



I.D. . 16.6 mm
O.D.1 40.4 mm
O.D.2 63.5 mm
H. 20.6 mm

EXHAUST BUSHING KIT — 11811
SUIT T610

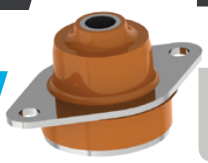
OEM# M13-1009, M13-6001, M13-6004



KIT INCLUDES
1x 11810 SHAFT ASSEMBLY & E-CLIPS
1x 11812 SHAFT BUSHINGS
1x 11809 EXHAUST MOUNT

CAB MOUNT — 34515
BARRY STYLE MOUNT

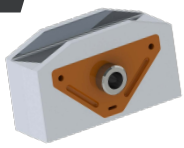
OEM# 512-3NS



I.D. 19.8 mm H. 76.2 mm
O.D.1 64.2 mm L.G. 157.1 mm
O.D.2 85.7 mm W.D. 93.6 mm
L.G.C-C 127.0 mm

CAB MOUNT — 18949
COFFIN STYLE MOUNT

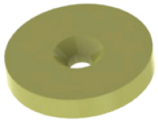
OEM# K066-498



I.D. 17.4 mm H. 91.2 mm
W.D. 57.1 mm L.G. 157.9 mm
L.G.C-C 115.0 mm

TRANSMISSION SPACER — 11726

OEM# K221-3941-08, E80-1012-008



I.D. . 7.9 mm
O.D. 48.4 mm
H 7.9 mm

8 MM TALL
24 MM TALL
STYLE IS 11771

TRANSMISSION SPACER — 11771

OEM# K221-3694



I.D. . 7.9 mm
O.D. 48.4 mm
H 23.8 mm

24 MM TALL
8 MM TALL
STYLE IS 11726

FUEL TANK CAP GASKET — 18320

OEM# 12105, 12105GTD, 90-00334



I.D. . 72.2 mm
O.D. 88.9 mm
T.K. 2.3 mm

SHOCK ABSORBER BUSH — 30507
SUIT FRONT STEER AXLE

OEM# 73D2002, M401754



I.D. . 25.4 mm
O.D.1 38.8 mm
O.D.2 48.4 mm
H. 23.8 mm

SPRING PIN BUSH - FRONT — 11753
SUIT T410, T410SAR, T610, T610SAR (U-BOLT MOUNT TYPE ONLY)

OEM# K179-559, 5295, B65-1006 B65-1008, B65-1017-001



O.D.1 26.9 mm FRONT OF FRONT SPRING ONLY
O.D.2 44.4 mm
L.G. 203.2 mm REAR OF FRONT SPRING IS 11758
L.G. C-C 160.3 mm

TOOLING AVAILABLE

SPRING PIN BUSH - REAR — 11758
SUIT T3, T4, T6, T9, C5, K SERIES (REAR OF FRONT SPRING ONLY)

OEM# K179-537, K179-378, 5295, B65-1005 B65-1002, B65-1001, B65-1017-003



O.D.1 26.9 mm REAR OF FRONT SPRING ONLY
O.D.2 44.4 mm
L.G. 185.7 mm
L.G. C-C 146.0 mm

TOOLING AVAILABLE

SPRING PIN SHACKLE — 18601
ALLOY SHACKLE - OFFSET

OEM# K209-59, K209-96, K209-77, K209-55 K209-84, K209-54, K209-89, 11778



W.D. . 44.4 mm
T.K. 38.8 mm
L.G. 163.5 mm
L.G.C-C 101.6 mm

SPRING PIN SHACKLE — 18602
ALLOY SHACKLE - STRAIGHT

OEM# K209-82, K209-87, K209-75, K209-36 K209-83, B20-1007, B20-1008, 11759



W.D. . 44.4 mm
T.K. 31.8 mm
L.G. 163.5 mm
L.G.C-C 101.6 mm

SPRING PIN BUSH TOOL — 40090
INSTALL & REMOVAL TOOL



DESIGNED TO REMOVE THE OEM BUSH AND INSTALL GAFF 11753, 11757, 11758, 11767 & 11820 CORRECTLY WITH EASE

I.D. = INNER DIAMETER O.D. = OUTER DIAMETER H. = HEIGHT B.H. = BOLT HOLE OR BOLT SIZE T.H. = THREAD SIZE L.G. = LENGTH L.G. C-C = LENGTH CENTRE TO CENTRE

SUSPENSION PRODUCTS

GAFF™

To suit

Kenworth & DAF



SHOCK ABSORBER BUSH — 11550

SUIT AIRGLIDE SUSPENSION
DAF & KENWORTH

OEM# K066-266, K066-310



I.D. . 15.8 mm
O.D.1 25.4 mm
O.D.2 50.8 mm
H. 25.4 mm

SWAY BAR PIN & BUSH KIT — 11733

SUIT AIRGLIDE AG200
DAF & KENWORTH

OEM# K066-461, K179-531, K345-5156
K207-1165, K207-1085, K198-1242, K198-1243



KIT INCLUDES
1x 11736 SWAY BAR PIN
1x 11734 SWAY BAR PIN WASHER
2x 11737 GREASE/DUST COVERS

SWAY BAR PIN REPAIR KIT — 11766

SUIT AIRGLIDE AG200
DAF & KENWORTH

OEM# K066-461, K179-531, K345-5156
K207-1165, K207-1085, K198-1242, K198-1243



KIT INCLUDES
1x 11733 SWAY BAR PIN KIT
(PIN, WASHER, DUST COVERS)
1x SWAY BAR END / CARRIER

SWAY BAR BUSH — 11502

SUIT AIRGLIDE AG100
(STANDARD BUSH)

OEM# K066-058, K066-293, K066-449



I.D. . 50.8 mm
O.D. 73.0 mm
L.G. 101.6 mm

SWAY BAR BUSH — 11719

SUIT AIRGLIDE AG100
(OVERSIZED BUSH WITH TABS)

OEM# K066-058, K066-293, K066-449



I.D. . 49.2 mm
O.D. 73.0 mm
L.G. 101.6 mm

SWAY BAR BUSH — 11720

SUIT AIRGLIDE AG200 (54MM BAR)
DAF & KENWORTH

OEM# C13-1004, K066-450, K066-478



I.D. . 54.7 mm
O.D. 77.7 mm
L.G. 71.4 mm

SWAY BAR BUSH — 11743

SUIT AIRGLIDE AG200, 400, 460, 690
(58MM BAR) DAF & KENWORTH

OEM# C13-1005, K066-460, K066-477



I.D. . 57.1 mm
O.D. 78.5 mm
L.G. 73.0 mm

TORQUE ROD BUSH — 13518

SUIT NEWAY AD 123, 126, 246, 252, 369
NEWAY AD 378 AIRGLIDE AG100

OEM# 229610, 944270, 925150



T.H. 1-1/4" UNF
O.D. 70 mm
L.G. 204 mm

TOOLING AVAILABLE

TORQUE ROD BUSH — 13533

SUIT NEWAY AD 123, 126, 246, 252, 369
NEWAY AD 378 AIRGLIDE AG100

OEM# 229610, 944270, 925150



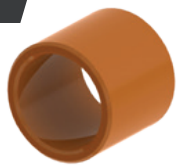
T.H. 1-1/4" UNF
O.D. 70 mm
L.G. 204 mm
13518 WITHOUT METAL SLEEVE

TOOLING AVAILABLE

TRUNNION BUSH — 11501

SUIT KW6-50 BIG 6 SUSPENSION

OEM# K066-318, K066-232



I.D. . 101.6 mm
O.D. 127.0 mm
L.G. 123.0 mm

TORQUE ROD BUSH — 11511

SUIT KW6-50 BIG 6 SUSPENSION

OEM# K195-415-13, 24476-000



B. H 5/8"
O.D. 88.9 mm
L.G. C-C 111.1 mm

TORQUE ROD BUSH — 11514

SUIT KW6-50 BIG 6 SUSPENSION

OEM# K195-415-13, K066-259, 932420



B. H 5/8"
O.D. 105 mm
L.G. C-C 111 mm

TORQUE ROD / SWAYBAR BUSH — 13520

SUIT AIRGLIDE AG100, 200, 400, 460, 690
NEWAY AD & ADZ SERIES

OEM# 227720, 839310, 836940
TRB68250



B. H 5/8"
O.D. 70 mm
L.G. C-C 111 mm
OEM STYLE 3/4" B.H IS 13528
EASY MOUNT STYLE IS 83520

TOOLING AVAILABLE

TORQUE ROD / SWAYBAR BUSH — 83520

SUIT AIRGLIDE AG100, 200, 400, 460, 690
NEWAY AD & ADZ SERIES

OEM# 227720, 839310, 836940
TRB68250



B. H 5/8"
O.D. 70 mm
L.G. C-C 111 mm
EASY MOUNT DESIGN
HIGH ARTICULATION
360 DEGREE ROTATION

TOOLING AVAILABLE

TORQUE ROD BUSH — 11729

SUIT AIRGLIDE AG200, 400, 460, 690
NEWAY ADZ123, 126, 246, 252, 369

OEM# 900-08-265, 90008265

Refer Tech Pub #TP-0024A



B. H 5/8"
O.D. 69 mm
L.G. C-C 111 mm
STRESS RELIEF STYLE
TORQUE ROD ONLY
OEM STYLE BUSH IS 13520

TOOLING AVAILABLE

TORQUE ROD BUSH — 13528

AD 123, 126, 246, 252, 369, 378

OEM# 49210, 49210-000
64400-005, 66649-005



B. H 3/4"
O.D. 70 mm
L.G. C-C 111 mm
5/8" BOLT VERSION IS 13520

TOOLING AVAILABLE

TORQUE ROD / SWAYBAR BUSH — 13536

SUIT AIRGLIDE AG100, 200, 400, 460, 690
NEWAY AD & ADZ SERIES

OEM#



B. H 5/8"
O.D. 70 mm
L.G. C-C 111 mm
13520 WITHOUT METAL SLEEVE

TOOLING AVAILABLE

TORQUE ROD ASSEMBLY — 11773

SUIT AIRGLIDE AG200, 400, 460, 690

OEM# K195-472, K195-474,



L.G. 504 mm
TORQUE ROD BAR 11770
FITTED WITH 11729 BUSH

TORQUE ROD ASSEMBLY — 11080

SUIT AIRGLIDE AG100

OEM# K195-376, 935720, 935720AA



L.G. 609 mm OEM VERSION
TORQUE ROD BAR 11754
FITTED WITH 13520 & 13518 BUSH

TORQUE ROD ASSEMBLY — 11835

SUIT AIRGLIDE AG100

OEM# K195-376, 935720, 935720AA



L.G. 609 mm EASY-MOUNT VERSION
TORQUE ROD BAR 11754
FITTED WITH 83520 & 13518 BUSH

TORQUE ROD ASSEMBLY — 11751

SUIT AIRGLIDE AG100

OEM# K195-374, K195-375, 944270

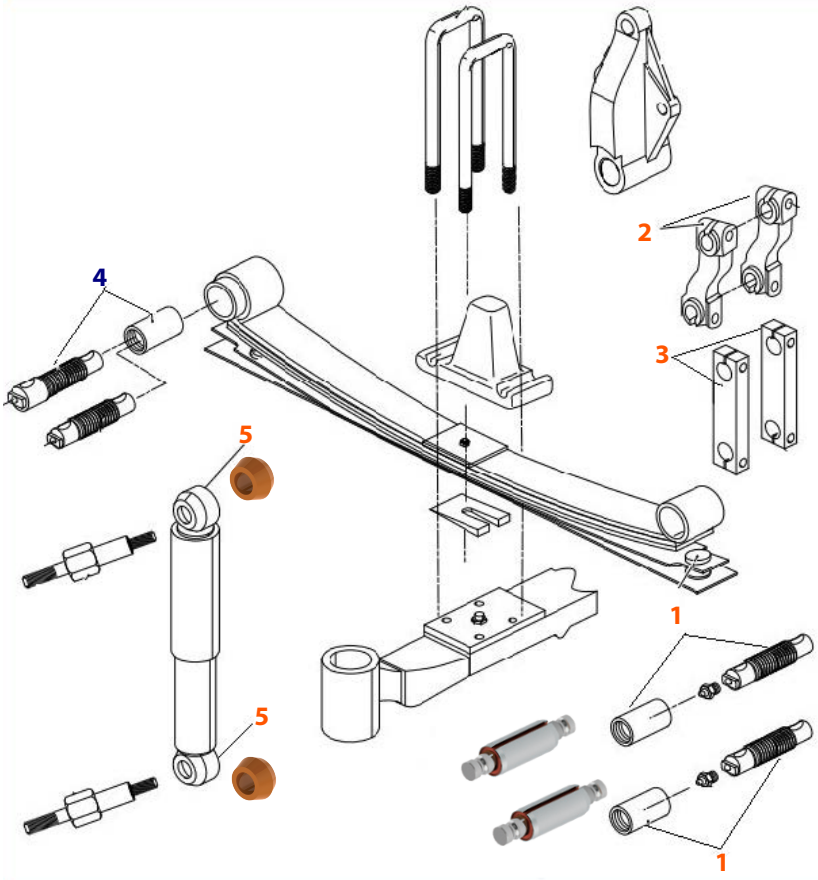


L.G. 609 mm
TORQUE ROD BAR 11754
FITTED WITH 13520 BUSH

I.D. = INNER DIAMETER O.D. = OUTER DIAMETER H. = HEIGHT B.H. = BOLT HOLE OR BOLT SIZE T.H. = THREAD SIZE L.G. = LENGTH L.G. C-C = LENGTH CENTRE TO CENTRE



KENWORTH STEER



1. GAFF single piece encapsulated pin & bush design replaces the old grease-able threaded pin & bush style.

   40090 Install/Removal tool for OEM & GAFF Pins.
   11767 is 138mm long from centre to centre of notches.
   11758 is 146mm long from centre to centre of notches.
   11753 is 160mm long from centre to centre of notches.

2. 18601 suits Offset Shackle style.

3. 18602 suits Straight Shackle style.

4. See Note 1 for Pin/Bush Length, If your model runs Pinch Bolt design you will need to use OEM threaded pin & bush style.

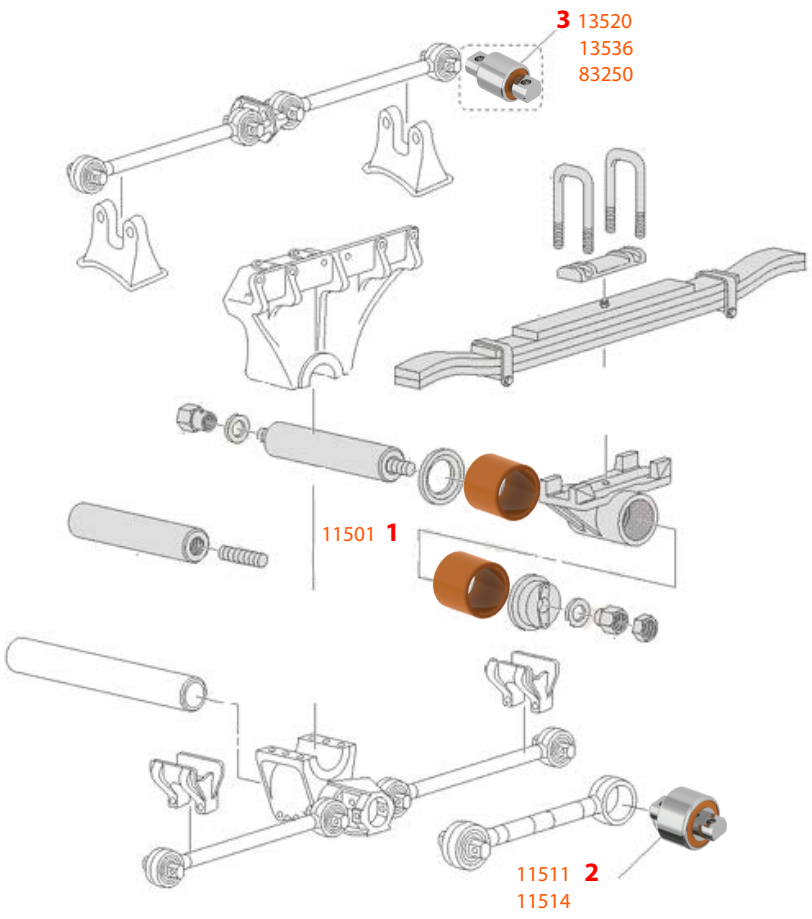
5. 30507 suit all Steer Axle Shocks Absorbers (4 per shock).

BIG 6 SUSPENSION

1. TRUNNION BUSH 11501

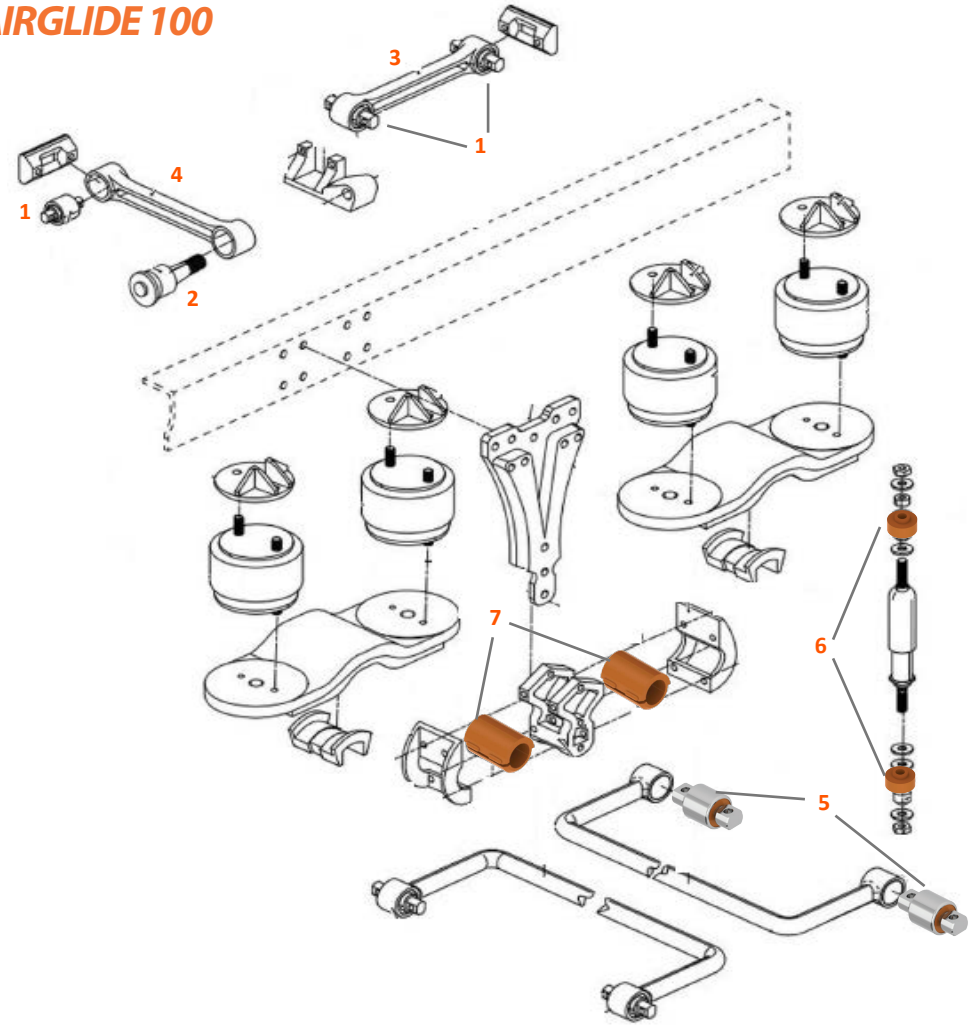
2. LOWER TORQUE ROD
   TORQUE ROD BUSH 11511 IS 3-1/2" BUSH O.D.
   TORQUE ROD BUSH 11514 IS 4-1/8" BUSH O.D.

3. UPPER TORQUE ROD
   TORQUE ROD BUSH 13520 STANDARD OEM DESIGN
   TORQUE ROD BUSH 13536 SLEEVELESS BUSH DESIGN
   TORQUE ROD BUSH 83520 EASY MOUNT, FREE ROTATION DESIGN
   INSTALL & REMOVAL TOOL IS 18551



AIRGLIDE 100

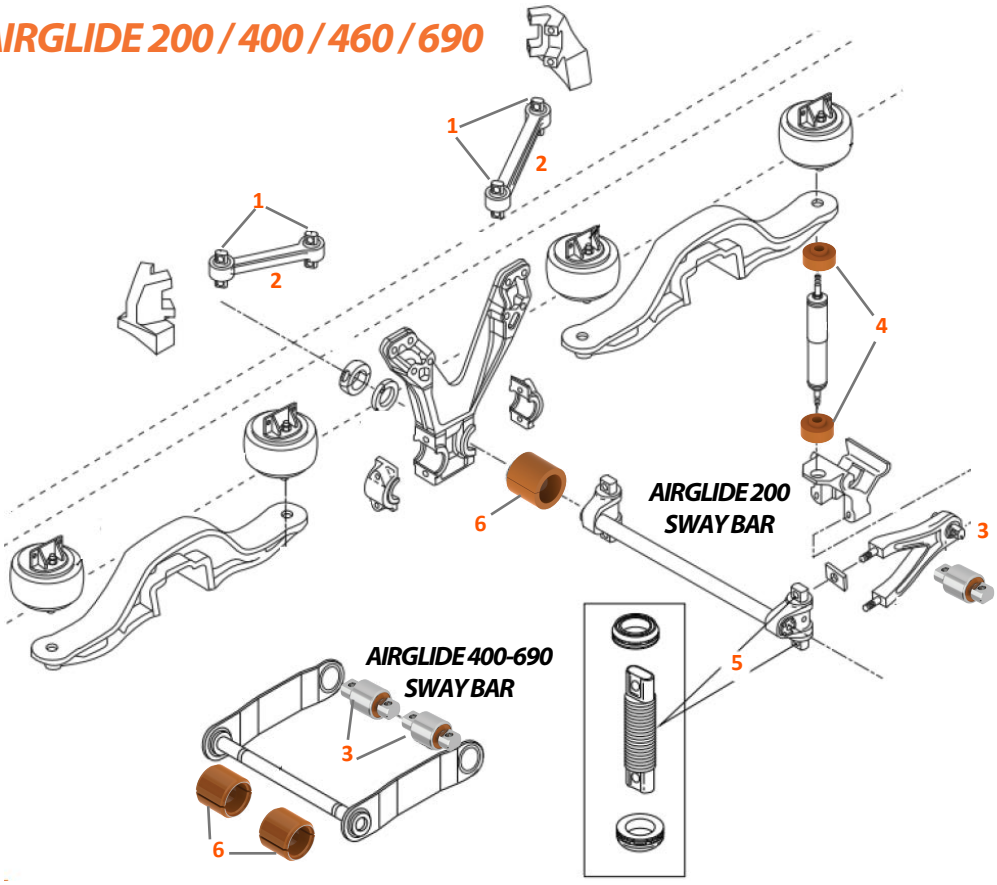
1. TORQUE ROD BUSH **13520** IS A FIXED BUSH LIKE OEM
   TORQUE ROD BUSH **83520** IS A EASY MOUNT DESIGN
   INSTALL & REMOVAL TOOL IS **18551**
2. TORQUE ROD BUSH **13518** TAPERED DESIGN
3. TORQUE ROD ASSEMBLY **11751**
   COMPLETE TORQUE ROD WITH **13520** INSTALLED
4. TORQUE ROD ASSEMBLY **11080**
   COMPLETE TORQUE ROD WITH **13520** & **13518**
   TORQUE ROD ASSEMBLY **11835**
   COMPLETE TORQUE ROD WITH **83520** & **13518**
5. SWAY BAR BUSH **13520** IS A FIXED BUSH LIKE OEM
   SWAY BAR BUSH IS **83520** IS EASY MOUNT DESIGN
   INSTALL & REMOVAL TOOL IS **18551**
6. SHOCK ABSORBER BUSH IS **11550**
   4 REQUIRED PER SHOCK ABSORBER
7. SWAY BAR BUSH **11502** SUITS STANDARD
   SWAY BAR BUSH **11719** SUITS OVERSIZED WITH TABS



AIRGLIDE 200 / 400 / 460 / 690

1. TORQUE ROD BUSH **11729**
   HIGH ARTICULATION DESIGN FOR VERTICAL MOUNTS
   INSTALL & REMOVAL TOOL IS **18551**
2. TORQUE ROD ASSEMBLY **1773**
   COMPLETE TORQUE ROD WITH **11729** INSTALLED
3. SWAY BAR BUSH **13520** IS A FIXED BUSH LIKE OEM
   SWAY BAR BUSH **83520** IS A EASY MOUNT DESIGN
   INSTALL & REMOVAL TOOL IS **18551**
4. SHOCK ABSORBER BUSH IS **11550**
   4 REQUIRED PER SHOCK ABSORBER
5. SWAY BAR PIN & BUSH KIT IS **11733**
   SWAY BAR REPAIR KIT IS **11766**
6. SWAY BAR BUSH **11720** SUITS 54MM SWAY BAR SWAY BAR BUSH **11743** SUITS 58MM SWAY BAR





SUSPENSION PRODUCTS

GAFF

To suit

Freightliner, Sterling Western Star



FRONT MOTOR MOUNT KIT — 11074

SUIT FREIGHTLINER, STERLING & WESTERN STAR

OEM# BCD26704-1, BCD27651-1, BCD28945-1 01-33963-000, 01-33964-000, J21246-13

B.H.	3/4"	1 UPPER MOUNT	
W.D.	82.5 mm	1 LOWER MOUNT	
L.G.	184.1 mm		
L.G.C-C	101.6 mm		



FRONT MOTOR MOUNT KIT — 11090

SUIT FREIGHTLINER, STERLING & WESTERN STAR

OEM# BCD26704-1, BCD27651-1, BCD28945-1 01-33963-000, 01-33964-000, J21246-13

B.H.	3/4"	1x HARDWARE KIT	
W.D.	82.5 mm	1x LOWER MOUNT	
L.G.	184.1 mm	1x UPPER MOUNT	
L.G.C-C	101.6 mm		



FRONT MOTOR MOUNT — 11116

SUIT FREIGHTLINER CASCADIA

OEM# J-21247-4, J21247-21, J21246-60

B.H.	5/8"	1x HARDWARE KIT	
W.D.	84.1 mm	1x LOWER MOUNT	
L.G.	185.7 mm	1x UPPER MOUNT	
L.G.C-C	101.6 mm		

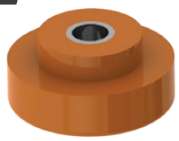


REAR MOTOR MOUNT - LOWER — 11523

SUIT WESTERN STAR

OEM# 12004-3401, 144917156380 04-9009996

I.D. .	15.8 mm	LOWER MOUNT	
O.D.1	46.0 mm	REQUIRE 2	
O.D.2	73.0 mm	UPPER MOUNT	
H.	33.3 mm	IS 12301	



REAR MOTOR MOUNT - UPPER — 12301

SUIT WESTERN STAR

OEM# 12004-3402, 144917168930 04-9009997

I.D. .	15.8 mm	UPPER MOUNT	
W.D	76.2 mm		
L.G.	158.75 mm	LOWER MOUNT	
H.	31.7 mm	IS 11523	



MOTOR MOUNT — 11707

SUIT FREIGHTLINER & WESTERN STAR

OEM# CBA28-1050, CBA28-1050-1

I.D. .	15.8 mm
O.D.1	40.4 mm
O.D.2	63.5 mm
H.	50.8 mm



REAR MOTOR MOUNT — 11077

SUIT FREIGHTLINER & STERLING

OEM# BCD28805-1, BCD27477-2 BCD27330-1, BCD27330-2

I.D..	20.6 mm	1 UPPER MOUNT	
W.D.	76.2 mm	1 LOWER MOUNT	
L.G.	250.8 mm		
L.G.C-C	211.1 mm		



REAR MOTOR MOUNT KIT — MM089

SUIT FREIGHTLINER & STERLING

OEM# BCD28805-1, BCD27477-2 BCD27330-1, BCD27330-2

KIT INCLUDES
1x HARDWARE KIT (BOLTS, NUTS, WASHERS)
2x UPPER MOUNTS
2x LOWER MOUNT



REAR MOTOR MOUNT — MM065

SUIT FREIGHTLINER FL SERIES

OEM# J20941-4, J20941-5, J20941-6 J20941-7 J20941-67, J20941-36

I.D..	16.6 mm		
W.D.	60.3 mm		
L.G.	137.3 mm		
H.	76.2 mm		



REAR MOTOR MOUNT - INSERT — 11149

OLD STYLE - LORD MOUNT
SUIT FREIGHTLINER

OEM# J26185-28

H.	73.8 mm
W.D.	134.1 mm
L.G.	231.7 mm
T.H.	3/4" UNC



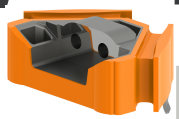
TOOLING AVAILABLE

REAR MOTOR MOUNT - INSERT — 11179

NEW STYLE - TRELLEBORG MOUNT
SUIT FREIGHTLINER & WESTERN STAR

OEM# 01-34070-000, 01-34070-001 01-34505-000, 01-35313-000, 01-35313-001

H.	71.4 mm
W.D.	142.8 mm
L.G.	223.0 mm
T.H.	M18 x 1.5

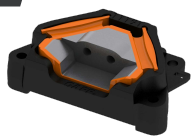


TOOLING AVAILABLE

REAR MOTOR MOUNT ASSEMBLY — 11191

NEW STYLE - TRELLEBORG MOUNT
SUIT FREIGHTLINER CASCADIA

OEM# 01-34070-000, 01-35313-000



FRONT MOTOR MOUNT KIT — 11018

SUIT FREIGHTLINER

OEM# 01-15047-000, SSB3310017, SB3310018 TLB1337155, TLB1337145

I.D. .	19.0 mm	KIT INCLUDES
O.D.	82.5 mm	1x LOWER MOUNT
H	57.1 mm	1x UPPER MOUNT
		1x SLEEVE



FRONT MOTOR MOUNT KIT — 11113

SUIT FREIGHTLINER FL SERIES

OEM# J19791-1, J19791-3, J20120-4 A680-241-02-18, 01-33243-000

I.D. .	19.8 mm	KIT INCLUDES	
O.D.1	95.2 mm	1x 11095 MOUNT	
O.D.2	100.0 mm	1x 11112 MOUNT	
H.	100.0 mm		



FRONT MOTOR MOUNT — 18102

SUIT WESTERN STAR

OEM# 12005-3403, 05--169192, 660551 CB1125-4, 04-9009991

I.D. .	19.5 mm
O.D.1	55.5 mm
O.D.2	92.0 mm
H.	62.7 mm



MOTOR MOUNT — 11725

SUIT FREIGHTLINER

OEM# CBA24-650-17, CBA24-650-50A CBA24650

I.D. .	15.8 mm
O.D.1	38.1 mm
O.D.2	60.3 mm
H.	53.1 mm



CAB MOUNT — 11705

SUIT WESTERN STAR

OEM# CB1124-2, CB1124-4, CB1124-5 66001-3403, 05-14794

I.D. .	15.8 mm
O.D.1	46.0 mm
O.D.2	76.2 mm
H.	60.3 mm



CAB & RADIATOR MOUNT — 11533

SUIT WESTERN STAR

OEM# 12005-3414, 04-9009990, J6210-46 M602-70NR

I.D. .	15.8 mm
O.D.1	46.0 mm
O.D.2	76.2 mm
H.	49.2 mm



CAB MOUNT - LOWER — 11008

SUIT FREIGHTLINER

OEM# A6818910001, SB33310017A 18-43637-000, 681-891-00-01

I.D. .	30.1 mm
O.D.	95.2 mm
H.	33.3 mm



CAB MOUNT - UPPER — 11009

SUIT FREIGHTLINER

OEM# A6818900001, SB33310017B 18-43636-000, 681-890-00-01

I.D. .	19.0 mm
O.D.1	64.2 mm
O.D.2	96.0 mm
H.	65.0 mm



CAB MOUNT KIT — 11086

SUIT FREIGHTLINER

OEM# 11008, 11009, 11093

KIT INCLUDES
1x HARDWARE KIT (BOLTS, NUTS, WASHERS)
2x 11008 LOWER MOUNTS
2x 11009 UPPER MOUNT



HOOD HINGE BUSH — 11019

SUIT FREIGHTLINER

OEM# J17700-5, J17002, 17-20709-000

I.D. .	12.7 mm
O.D.	34.9 mm
L.G.	55.5 mm



HOOD GUIDE — 11020

SUIT FREIGHTLINER

OEM# A17-10464-001

I.D. .	12.7 mm
O.D.1	47.6 mm
O.D.2	101.6 mm
H.	76.2 mm

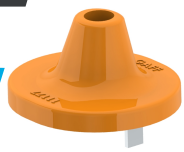


HOOD GUIDE — 11177

SUIT FREIGHTLINER CASCADIA
WESTERN STAR 47X, 48X, 49X

OEM# A17-20868-000, A18-59704-000 A17-21590-000, A17-21590-001

I.D. .	12.7 mm
O.D	111.9 mm
H.	76.9 mm



I.D. = INNER DIAMETER O.D. = OUTER DIAMETER W. = WIDTH H. = HEIGHT B.H. = BOLT HOLE OR BOLT SIZE T.H. = THREAD SIZE L.G. = LENGTH L.G. C-C = LENGTH CENTRE TO CENTRE

SUSPENSION PRODUCTS

GAFF™

To suit

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RADIATOR MOUNT KIT — 11021

SUIT FREIGHTLINER & WESTERN STAR

OEM# S-19782, 05-16070-000, A6815040082
681-504-00-82



I.D. .	22.2 mm	KIT INCLUDES
O.D.1	38.1 mm	1x LOWER MOUNT
O.D.2	75.4 mm	1x UPPER MOUNT
H.	46.0 mm	1x SLEEVE

CAB & HOOD MOUNT KIT — M8015

SUIT FREIGHTLINER & WESTERN STAR

OEM# 67009-3442, CB2202-12
18-41025-000



I.D. .	13.4 mm	KIT INCLUDES
O.D.	47.6 mm	1x LOWER MOUNT
		1x UPPER MOUNT

BATTERY BOX LATCH — M0024

OEM#

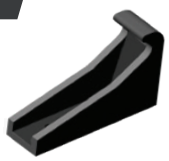


L.G. 149.2 mm

HOOD LATCH - HOOK — 11097

SUIT FREIGHTLINER, STERLING WESTERN STAR (FENDER)

OEM# 17-14781-000, 681-887-24-14



W.D.	25.4 mm	HOOD LATCH STRAP
L.G.	90.4 mm	IS 12365
H	53.9 mm	HOOD LATCH ASSY
		IS 11134

HOOD LATCH - STRAP — 12365

SUIT FREIGHTLINER, STERLING WESTERN STAR (FENDER)

OEM# 67101-3417



L.G.	225.4 mm	HOOD LATCH HOOK
		IS 11097
		HOOD LATCH ASSY
		IS 11134

HOOD LATCH ASSEMBLY — 11134

SUIT FREIGHTLINER, STERLING WESTERN STAR (FENDER)

OEM# 67101-3417



HOOD LATCH ASSEMBLY
INCLUDES 12365 WITH BRACKET

HOOD LATCH - HOOK — 11096

SUIT FREIGHTLINER, STERLING WESTERN STAR (BONNET)

OEM# 17-12434-000



W.D.	53.1 mm	HOOD LATCH STRAP
L.G.	123.8 mm	IS 11102
H	25.4 mm	HOOD LATCH ASSY
		IS 11176

HOOD LATCH - STRAP — 11102

SUIT FREIGHTLINER, STERLING WESTERN STAR (BONNET)

OEM# 67101-3419, 17-12438-000



L.G.	277.8 mm	HOOD LATCH HOOK
		IS 11096
		HOOD LATCH ASSY
		IS 11176

HOOD LATCH ASSEMBLY — 11176

SUIT FREIGHTLINER, STERLING WESTERN STAR (BONNET)

OEM# 67101-3419, 17-12438-000



HOOD LATCH ASSEMBLY
INCLUDES 11102 WITH BRACKET

HOOD LATCH - STRAP — 11768

SUIT STERLING & FRANNA CRANE

OEM# 37-99-344, 37-41-295-60



L.G. 273.0 mm

CLUTCH BAR BUSH — 11118

SUIT FREIGHTLINER

OEM# OE ROD A02-13100-002
A02-13110-002



I.D. .	12.7 mm	
O.D.1	35.7 mm	
O.D.2	38.1 mm	
H.	25.4 mm	

EXHAUST & HOOD MOUNT — 11544

SUIT FREIGHTLINER & WESTERN STAR

OEM# CB1121-10, M300-70NR



I.D. .	13.4 mm	
O.D.1	31.7 mm	
O.D.2	44.4 mm	
H.	31.7 mm	

FRONT SPRING PIN BUSH — 11066

SUIT FREIGHTLINER & WESTERN STAR HENDRICKSON AIRTEK

OEM# 16-17769-000, A6803220150
680-322-01-50



I.D.	19.0 mm	OEM STYLE
O.D.	57.1 mm	UPGRADE TO
L.G.	107.9 mm	BUSH 11094 &
		SHACKLE 18600

TOOLING AVAILABLE

FRONT SPRING PIN BUSH — 11094

SUIT FREIGHTLINER & WESTERN STAR HENDRICKSON AIRTEK

OEM# 837560, 16-21919-000, 16-18023-000
16-14603-000, 16-17194-000, 16-17770-000



O.D.1	31.7 mm
O.D.2	57.1 mm
L.G. C-C	136.5 mm

TOOLING AVAILABLE

FRONT SPRING SHACKLE — 18600

SUIT FREIGHTLINER & WESTERN STAR HENDRICKSON AIRTEK

OEM# 16-11890-000, 16-11890-001
16-11890-002



W.D.	50.8 mm
T.K.	25.4 mm
L.G.	197.6 mm
L.G.C-C	134.9 mm

SHOCK ABSORBER BUSH — 30507

SUIT FRONT STEER AXLE

OEM# 73D2002, M401754 , 37302-3403
16-10722-000, 16-10722-001, 16-10722-002



I.D. .	25.4 mm
O.D.1	38.8 mm
O.D.2	48.4 mm
H.	23.8 mm

FRONT SPRING MOUNT — 31624

SUIT WESTERN STAR 2800 (SOME) STERLING (SOME)

OEM# A16-15303-000, A16-15773-000



W.D. .	130.1 mm
H.	134.9 mm
L.G.	192.8 mm
L.G.C-C	150.0 mm

SPRING PIN BUSH TOOL — 11069

INSTALL & REMOVAL TOOL



DESIGNED TO REMOVE THE OEM BUSH AND INSTALL GAFF 11005 & 11083 CORRECTLY WITH EASE

DRIVE SPRING PIN BUSH — 11005

SUIT ALL AIRLINER SUSPENSION

OEM# 16-18035-000, 16-22080-000, 681-325-01-50
16-13962-000, 681-325-02-50



B. H	13/16"	OEM STYLE
O.D.	63.5 mm	ANTI-WALK STYLE
L.G. C-C	146.0 mm	IS 11083

TOOLING AVAILABLE

DRIVE SPRING PIN BUSH — 11083

SUIT ALL AIRLINER SUSPENSION

OEM# 16-18035-000, 16-22080-000, 681-325-01-50
16-13962-000, 681-325-02-50



B. H	13/16"	ANTI-WALK STYLE
O.D.	63.5 mm	
L.G. C-C	146.0 mm	

TOOLING AVAILABLE

SPRING PIN BUSH TOOL — 11161

INSTALL & REMOVAL TOOL



DESIGNED TO REMOVE THE OEM BUSH AND INSTALL GAFF 11005 & 11083 CORRECTLY WITH EASE

TORQUE ROD BUSH — 13521

SUIT AIRLINER 40K SUSPENSION

OEM# 47691, 47691-000



B. H	5/8"	OEM STYLE
O.D.	51 mm	ANTI-WALK STYLE
L.G. C-C	112 mm	IS 11004

TORQUE ROD BUSH — 11004

SUIT AIRLINER 40K SUSPENSION

OEM# 47691, 47691-000



B. H	5/8"	ANTI-WALK STYLE
O.D.	51 mm	
L.G. C-C	112 mm	

TORQUE ROD ASSEMBLY — 11081

SUIT AIRLINER 40K SUSPENSION

OEM# 16-16749-000, 16-16749-002, 681-326-72-16
16-18972-000, 16-21340-001



L.G. 615 mm

TORQUE ROD BAR 11081
FITTED WITH 11004 BUSH

I.D. = INNER DIAMETER O.D. = OUTER DIAMETER H. = HEIGHT B.H. = BOLT HOLE OR BOLT SIZE T.H. = THREAD SIZE L.G. = LENGTH L.G. C-C = LENGTH CENTRE TO CENTRE

SUSPENSION PRODUCTS

GAFF™

To suit

Freightliner, Sterling Western Star



TORQUE ROD BUSH — 13520

SUIT AIRLINER 46K SUSPENSION NEWAY AD & ADZ SERIES

OEM# 44695, 44695-000 227720, IPC227720

B. H 5/8"
O.D. 70 mm
L.G. C-C 111 mm

EASY MOUNT STYLE IS 83520



TOOLING AVAILABLE

TORQUE ROD BUSH — 83520

SUIT AIRLINER 46K SUSPENSION NEWAY AD & ADZ SERIES

OEM# 44695, 44695-000 227720, IPC227720

B. H 5/8"
O.D. 70 mm
L.G. C-C 111 mm

EASY MOUNT DESIGN
HIGH ARTICULATION
360 DEGREE ROTATION



TOOLING AVAILABLE

TORQUE ROD ASSEMBLY — 11152

SUIT AIRLINER 46K SUSPENSION

OEM# 16-15632-00, TR46-41000

L.G. 622 mm

TORQUE ROD BAR 11156
FITTED WITH 13520 BUSH



TORQUE ROD BUSH — 13536

SUIT AIRLINER 46K SUSPENSION NEWAY AD & ADZ SERIES

OEM#

B. H 5/8"
O.D. 70 mm
L.G. C-C 111 mm

13520 WITHOUT METAL SLEEVE



TOOLING AVAILABLE

TORQUE ROD BUSH — 13528

SUIT NEWAY AD 123, 126, 246, 252, 369 NEWAY AD 378

OEM# 49210, 49210-000 64400-005, 66649-005

B. H 3/4"
O.D. 70 mm
L.G. C-C 111 mm

5/8" BOLT VERSION IS 13520



TOOLING AVAILABLE

TORQUE ROD BUSH TOOL — 18551

INSTALL & REMOVAL TOOL

DESIGNED TO REMOVE THE OEM BUSH AND INSTALL GAFF 11729, 13520, 13528, 13536 & 83520 CORRECTLY WITH EASE



TORQUE ROD BUSH — 13518

SUIT NEWAY AD 123, 126, 246, 252, 369 NEWAY AD 378

OEM# 229610, 944270, 92515

T.H. 1-1/4" UNF
O.D. 70 mm
L.G. 204 mm



TOOLING AVAILABLE

TORQUE ROD BUSH — 13533

SUIT NEWAY AD 123, 126, 246, 252, 369 NEWAY AD 378

OEM# 229610, 944270, 92515

T.H. 1-1/4" UNF
O.D. 70 mm
L.G. 204 mm

13518 WITHOUT METAL SLEEVE



TOOLING AVAILABLE

TORQUE ROD BUSH TOOL — 13584

INSTALL & REMOVAL TOOL

DESIGNED TO REMOVE THE OEM BUSH AND INSTALL GAFF 13518 & 13533 CORRECTLY WITH EASE



TORQUE ROD ASSEMBLY — 13683

SUIT AIRLINER 46K SUSPENSION NEWAY AD SERIES

B. H 5/8"
L.G. 189 mm
L.G. C-C 111 mm

TUBE END ASSEMBLY FITTED WITH 13520 EASY MOUNT VERSION IS 13790



TORQUE ROD ASSEMBLY — 13790

SUIT AIRLINER 46K SUSPENSION NEWAY AD SERIES

B. H 5/8"
L.G. 189 mm
L.G. C-C 111 mm

TUBE END ASSEMBLY FITTED WITH 83520 EASY MOUNT VERSION



TORQUE ROD ASSEMBLY — 13686

AD 123, 126, 246, 252, 369, 378

OEM# 46630, 66630, 928630 66630-000, IPC928630

T. H 1-1/4" UNF
L.G. 189 mm

TUBE END ASSEMBLY FITTED WITH 13518



TORQUE ROD ASSEMBLY — 13691

SUIT AIRLINER 46K SUSPENSION NEWAY AD SERIES

B. H 5/8"
L.G. 624 mm
L.G. C-C 111 mm

ROD END ASSEMBLY FITTED WITH 13520 EASY MOUNT VERSION IS 13789



TORQUE ROD ASSEMBLY — 13789

SUIT AIRLINER 46K SUSPENSION NEWAY AD SERIES

B. H 5/8"
L.G. 624 mm
L.G. C-C 111 mm

ROD END ASSEMBLY FITTED WITH 83520 EASY MOUNT VERSION



TORQUE ROD BUSH — 11162

SUIT TUFTRAC SUSPENSION

OEM# 80480078000

B. H 29/32"
O.D. 100 mm
L.G. C-C 174.6 mm

KIT INCLUDES
1x CIRCLIP KIT
1x BUSH



TORQUE ROD BUSH — 11163

SUIT TUFTRAC SUSPENSION

OEM# 062-480-041-000

B. H 21/32"
O.D. 74.6 mm
L.G. C-C 111.1 mm

KIT INCLUDES
1x CIRCLIP KIT
1x BUSH



TORQUE ROD BUSH — 11166

SUIT TUFTRAC SUSPENSION

OEM#

B. H 29/32"
O.D. 84.9 mm
L.G. C-C 174.6 mm

KIT INCLUDES
1x CIRCLIP KIT
1x BUSH



BOLSTER SPRING — 11159

SUIT TUFTRAC SUSPENSION

OEM# 16-15010-000

H. 115.8 mm
W.D. 139.7 mm
L.G. 269.0 mm
L.G. C-C 192.0 mm



SPRING INSULATOR - UPPER — 11164

SUIT TUFTRAC SUSPENSION

OEM# 11-19581-000, 11-22805-000 11-20808-000

H. 62.7 mm
W.D. 100.0 mm
L.G. 128.5 mm

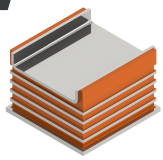


SPRING INSULATOR - LOWER — 11165

SUIT TUFTRAC SUSPENSION

OEM# 11-20807-000

H. 55.5 mm
W.D. 100.0 mm
L.G. 100.0 mm



I.D. = INNER DIAMETER O.D. = OUTER DIAMETER H. = HEIGHT B.H. = BOLT HOLE OR BOLT SIZE T.H. = THREAD SIZE L.G. = LENGTH L.G. C-C = LENGTH CENTRE TO CENTRE

SUSPENSION PRODUCTS To suit

GAFF™

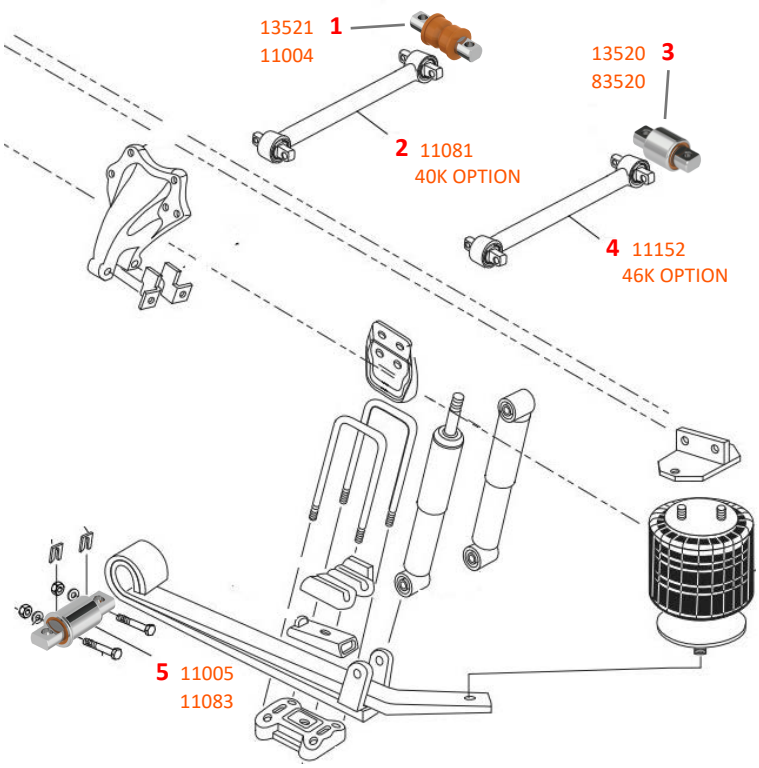
Western Star, Freightliner Steer Airliner, TufTrac Suspension



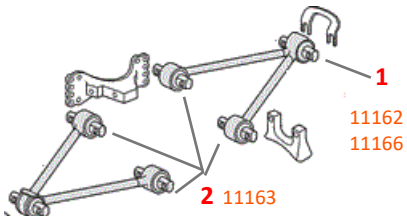
FAS AIRLINER I & II

1. TORQUE ROD BUSH **13521** STANDARD OEM DESIGN *(40,000 lbs)*
   TORQUE ROD BUSH **11004** ANTI-WALK DESIGN *(40,000 lbs)*
2. TORQUE ROD ASSEMBLY **11081** *(40,000 lbs)*
   COMPLETE TORQUE ROD WITH **11004** BUSHES
3. TORQUE ROD BUSH **13520** STANDARD OEM DESIGN *(46,000 lbs)*
   TORQUE ROD BUSH **83520** EASY MOUNT FREE ROTATION DESIGN *(46,000 lbs)*
   INSTALL & REMOVAL TOOL IS **18551**
4. TORQUE ROD ASSEMBLY **11152** *(46,000 lbs)*
   COMPLETE TORQUE ROD WITH **13520** BUSHES
5. DRIVE SPRING PIN BUSH **11005** STANDARD OEM DESIGN
   DRIVE SPRING PIN BUSH **11083** ANTI-WALK DESIGN
   INSTALL & REMOVAL TOOL IS **11161**

IT'S ADVISED TO UPGRADE 40,000 LBS TORQUE RODS TO 46,000 LBS WHEN POSSIBLE, *Refer 32-51 Freightliner Service Bulletin.*

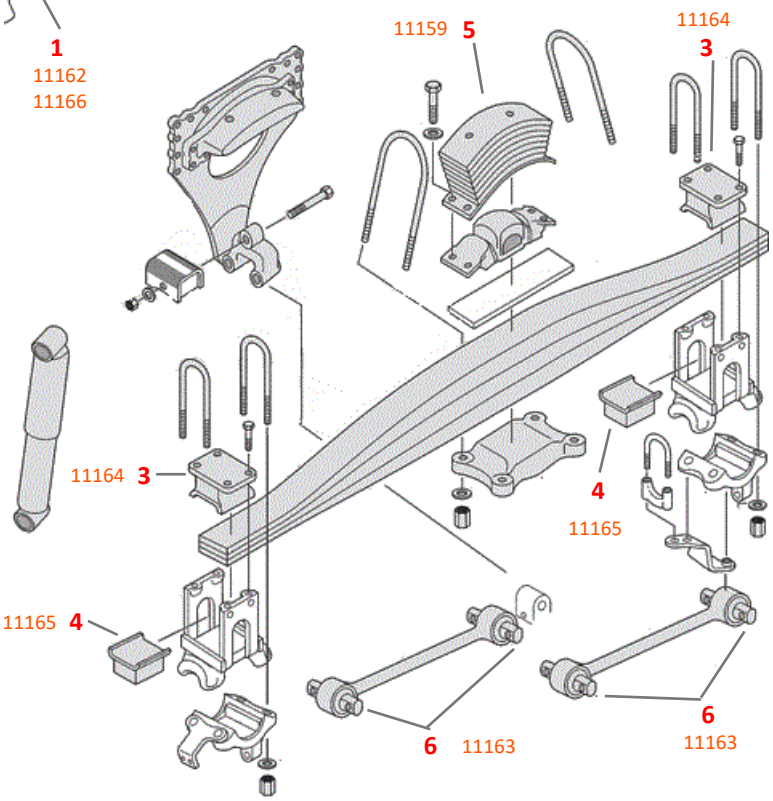


FAS TUFTRAC SUSPENSION



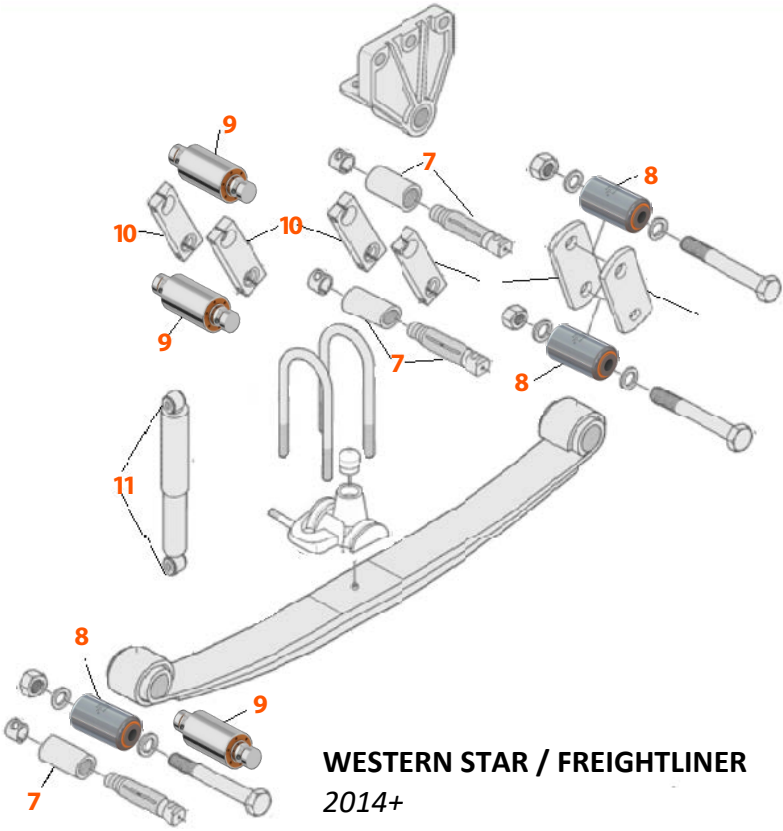


V-Rod/Torque Rod/Apex Bushing; Service Kit



1. UPPER V-ROD / TORQUE ROD BUSH **11162** IS 100MM O.D. BUSH
   UPPER V-ROD / TORQUE ROD BUSH **11166** IS 85MM O.D. BUSH
2. UPPER V-ROD / TORQUE ROD BUSH **11163**
3. UPPER SPRING INSULATOR **11164**
4. LOWER SPRING INSULATOR **11165**
5. BOLSTER SPRING **11159**
6. LOWER TORQUE ROD BUSH **11163**

DTNA STEER SPRING ASSEMBLY



WESTERN STAR / FREIGHTLINER
2014+

7. Threaded Pin & Bush design, need to upgrade to **11094** design.

8. OEM rubber bush & bolt style replace bush with **11066** Bush or upgrade to **11094** design. **11168** Install/Removal Tool for OEM & GAFF Bush.

9. OEM Encapsulated Rubber Bush & Pin design, replace with **11094** Bush & Pin design. **11168** Install/Removal Tool for OEM & GAFF Bush.

10. **18600** replaces all previous OEM Shackle designs.

11. **30507** replacement Steer Axle Shock Bushes, 2 piece design (4 per shock).

SUSPENSION PRODUCTS

GAFF™

To suit CAT Trucks, IVECO & International



FRONT MOTOR MOUNT — 34509

SUIT 1000, 1600, 2500, 2600, 3200 - 3800 4000 - 4900, 7100, 8200, 8300

OEM# 5801893942, 5801896897, 1664726C2 1664723C3, 1664723C5, **34507**

1x **34569** UPPER MOTOR MOUNT
1x **34593** LOWER MOTOR MOUNT

FRONT MOTOR MOUNT KIT IS **34526**



FRONT MOTOR MOUNT KIT — 34526

SUIT 1000, 1600, 2500, 2600, 3200 - 3800 4000 - 4900, 7100, 8200, 8300

OEM# 5801893942, 5801896897, 1664726C2 1664723C3, 1664723C5, **34507**

KIT INCLUDES
1x HARDWARE KIT (BOLTS, NUTS, WASHERS)
2x **34569** UPPER MOTOR MOUNT
2x **34593** LOWER MOTOR MOUNT



FRONT MOTOR MOUNT — 11536

SUIT INTERNATIONAL WITH CUMMINS

OEM# 127426, 3261788R1

I.D. 21.4 mm
O.D.1 57.1 mm
O.D.2 93.7 mm
L.G. 63.5 mm



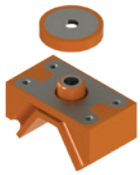
REAR MOTOR MOUNT — 34500

SUIT INTERNATIONAL ACCO

OEM# 1664728C1, 1664728C2, 5801893941, 5801896897

1x **34508** UPPER MOTOR MOUNT
1x **34593** LOWER MOTOR MOUNT

REAR MOTOR MOUNT KIT IS **34524**



REAR MOTOR MOUNT KIT — 34524

SUIT INTERNATIONAL ACCO

OEM# 1664728C1, 1664728C2, 5801893941, 5801896897

KIT INCLUDES
1x HARDWARE KIT (BOLTS, NUTS, WASHERS)
2x **34508** UPPER MOTOR MOUNT
2x **34593** LOWER MOTOR MOUNT

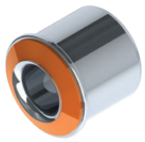


REAR MOTOR MOUNT — 10075

SUIT INTERNATIONAL WITH CUMMINS

OEM# 503579C1, 507569C91, 503837C1

I.D. 38.1 mm
O.D. 76.2 mm
L.G. 76.2 mm



REAR MOTOR MOUNT — 34510

SUIT 5500i-5900i, 7600, 7700, 8100, 8600 9100-9900, PROSTAR & CAT TRUCKS

OEM# 1664730C5, 1664729C1, 1664724C3 20147772C2, 364-8878, 3648878

1x **34510** UPPER MOTOR MOUNT
1x **34522** LOWER MOTOR MOUNT

REAR MOTOR MOUNT KIT IS **34525**



REAR MOTOR MOUNT KIT — 34525

SUIT 5500i-5900i, 7600, 7700, 8100, 8600 9100-9900, PROSTAR & CAT TRUCKS

OEM# 1664730C5, 1664729C1, 1664724C3 20147772C2, 364-8878, 3648878

KIT INCLUDES
1x HARDWARE KIT (BOLTS, NUTS, WASHERS)
2x **34510** UPPER MOTOR MOUNT
2x **34522** LOWER MOTOR MOUNT



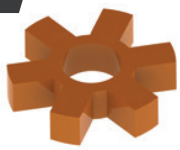
SPIDER JAW COUPLING — 17509

SUIT CUMMINS & DETROIT

OEM# 101920, 109859, 162426, 3046200 23505249, DDC23505249

I.D. 32.5 mm
O.D. 84.1mm
T.K. 23.8mm

INJECTOR PUMP FUEL PUMP COUPLING



REAR MOUNT / TRANS MOUNT — 10503

SUIT INTERNATIONAL

OEM# 470031, 470031C2, 4003053 1811, EE14003053

I.D. 15.8 mm
O.D.1 38.1 mm
O.D.2 71.4 mm
L.G. 61.1 mm



REAR MOUNT / TRANS MOUNT — 10505

SUIT INTERNATIONAL

OEM# 479237C1, 583955C1, 4170 14003030, 14003052

I.D. 15.8 mm
O.D.1 39.7 mm
O.D.2 76.9 mm
L.G. 66.6 mm



SHIFTER BUSH KIT — 11611

SUIT EATON TRANSMISSION ROAD RANGER

OEM# K-3399, K3399, 21244, 3311

I.D. 21 mm
O.D. 38 mm
H. 59 mm

PRE-DRILLED BUSH INCLUDES PIN & BUSH KIT



FRONT SPRING BUSH — 34511

SUIT INTERNATIONAL PROSTAR & CAT TRUCKS

OEM# 3525665C1, 4C405348BA 4C4Z5348BA

I.D. 19.0 mm
O.D. 46.8 mm
L.G. 107.1 mm

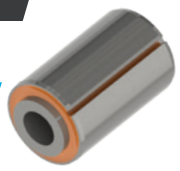


FRONT SPRING BUSH — 34550

SUIT INTERNATIONAL 7600, 9400 & HENDRICKSON

OEM# 3533233C1, 82033, 82033-000

I.D. 25.4 mm
O.D. 63.5 mm
L.G. 107.9 mm



EQUALIZER BUSH — 13513

SUIT INTERNATIONAL 8100, 9200 & HENDRICKSON

OEM# 497501C2, 10QK260, **13577**

I.D. 25.4 mm
O.D. 63.5 mm
L.G. 119.8 mm

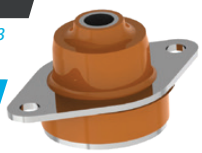


CAB MOUNT — 34515

SUIT INTERNATIONAL

OEM# 3515345C1, 351345C2, 3515345C3 27980-1/E, 512-5NS

I.D. 19.8 mm
O.D.1 64.2 mm
O.D.2 85.7 mm
L.G.C-C 127.0 mm
H. 76.2 mm
L.G. 157.1 mm
W.D. 93.6 mm



CAB MOUNT — 34552

SUIT INTERNATIONAL PROSTAR & CAT TRUCKS

OEM# 3595976C5,3595976C4 433-2272, 4332272

I.D. 15.8 mm
O.D. 73.0 mm
L.G. 83.3 mm



TORSION BAR BUSH — 11739

SUIT INTERNATIONAL, CHALMERS TRUCK 800 & CHALMERS TRAILER 700 & 1000

OEM# 1515966C1, 800010, 800010CS1 22128, 22128CS1, 10QK399

I.D. 68.8 mm
O.D.1 88.9 mm
O.D.2 107.9 mm
L.G. 105.5 mm

LONGER LIFE ONE-PIECE DESIGN

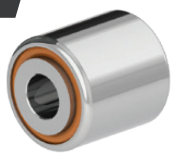


TORQUE ROD BUSH — 13514

SUIT INTERNATIONAL SUSPENSION

OEM# 45477, 322069C1, 322069C91

I.D. 28.6 mm
O.D. 76.2 mm
L.G. 82.5 mm



TORQUE ROD BUSH — 13515

SUIT INTERNATIONAL SUSPENSION

OEM# 476991, 47699-001, 73073-1 438506C1, 438506C91

B.H. 13/16"
O.D. 76.2 mm
L.G.C-C 144.5 mm



TORQUE ROD BUSH — 13516

SUIT INTERNATIONAL SUSPENSION

OEM# 46736, 64400-010 1693070C1

I.D. 28.6 mm
O.D. 69.8 mm
L.G. 82.5 mm



UNIVERSAL STYLE STRAP BATTERY BOX LATCH — 10024

OEM#

L.G. 150 mm



HOOD LATCH ASSEMBLY — 10506

SUIT INTERNATIONAL S LINE & 4900, 7100, 8300, 8600

OEM# 499523C3, 16899930C91

L.G. 203.2 mm

O.E IS STRAP ONLY



HOOD LATCH KIT — 34590

SUIT INTERNATIONAL PROSTAR & CAT TRUCKS

OEM# 3544924C1, 3544925C2

L.G. 318.2 mm
W.D. 60.3 mm

KIT INCLUDES
1x **34548** STRAP
1x **34549** LATCH



I.D. = INNER DIAMETER O.D. = OUTER DIAMETER W.D = WIDTH T.K. = THICKNESS H. = HEIGHT B.H. = BOLT HOLE OR BOLT SIZE T.H. = THREAD SIZE L.G. = LENGTH L.G. C-C = LENGTH CENTRE TO CENTRE

SUSPENSION PRODUCTS

GAFF™

To suit Mack & Volvo



TRANSMISSION MOUNT KIT 12034
SUIT MACK TRANSMISSION

OEM# 204SX216



KIT INCLUDES
8x 12000 TRANSMISSION MOUNTS
4x 3/4" x 6-1/4" BOLTS
8x NUTS & WASHERS

TRANSMISSION MOUNT KIT 12035
SUIT MACK WITH EATON FULLER & ALLISON TRANSMISSION

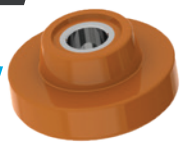
OEM# 204SX389



KIT INCLUDES
8x 12000 TRANSMISSION MOUNTS
4x 3/4" x 5" BOLTS
8x NUTS & WASHERS

TRANSMISSION MOUNT 12000
SUIT MACK

OEM# 20QL1118A, 20QL1175, 25167342



I.D.	19.0 mm
O.D.1	50.8 mm
O.D.2	82.5 mm
L.G.	37.3 mm

MOTOR MOUNT KIT 12002
SUIT MACK

OEM# 20QL2110, 20QL258



I.D.	23.0 mm	1x UPPER MOUNT
O.D.	88.9 mm	1x LOWER MOUNT

REAR MOTOR MOUNT 12023
SUIT MACK

OEM# 20QK324M, 20QL324M



I.D.	22.2 mm
O.D.1	58.7 mm
O.D.2	98.8 mm

REAR MOTOR MOUNT 12372
SUIT MACK CH & GRANITE

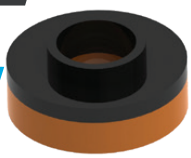
OEM# 20QL338M



B.H.	3/4" UNF
W.D.	88.9mm
L.G.C-C	265.1 mm

FRONT MOTOR MOUNT 12046
SUIT MACK

OEM# 20QL312M2, 25164179 20QL313M, 12047



I.D.	17.4 mm
O.D.1	36.5 mm
O.D.2	68.2 mm
L.G.	29.3 mm

FRONT MOTOR MOUNT KIT 12045
SUIT MACK CH

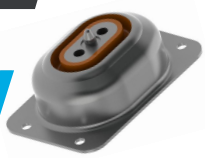
OEM# 20QL322, 20QL329, 25164809 25172757



I.D.	15.8 mm	1x UPPER MOUNT
W.D	76.2 mm	1x LOWER MOUNT
L.G.	170.6 mm	
L.G.C-C	95.25 mm	

FRONT MOTOR MOUNT 12326
SUIT VOLVO F7, F10, FH10, FH12 FH16, FM10, FM12

OEM# 1622825, 20503551, 20503550



W.D.	158.7 mm
H.	110.3 mm
L.G.	158.7 mm
L.G.C-C	210.3 mm

AIR COOLER MOUNT KIT 12049
SUIT MACK

OEM# 20QL37P3, PAI-4678



I.D.	9.5 mm	1x UPPER MOUNT
O.D.	32.5 mm	1x LOWER MOUNT
H.	26.9 mm	

RADIATOR MOUNT KIT 12026
SUIT MACK

OEM# 25121334, 20QL295M 14003030, 14003052



I.D.	15.8 mm	1x UPPER MOUNT
O.D.	63.5 mm	1x LOWER MOUNT
H.	63.5 mm	

RADIATOR MOUNT KIT 12032
SUIT MACK

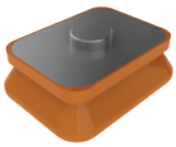
OEM# 25154049, 20QL259A



I.D.	14.2 mm	1x UPPER MOUNT
O.D.	47.6 mm	1x LOWER MOUNT
H.	46.0 mm	

LOAD SPRING - UPPER 12006
SUIT CAMELBACK SS34, SS38, SS44

OEM# 10QK1065A, 10QK365A 25121508



W.D.	110.3 mm
L.G.	166.6 mm
H.	60.3 mm

LOAD SPRING - UPPER 12010
SUIT CAMELBACK SS34, SS38, SS44

OEM# 10QL370, 25115012, 25192117



W.D.	131.7 mm
L.G.	165.1 mm
H.	76.2 mm

LOAD SPRING - LOWER 12014
SUIT CAMELBACK SS34, SS38, SS44

OEM# 10QK36B, 10QK36C, 10QK386B 10QK388, 21036254, 25125064



W.D.	177.8 mm
L.G.	181.7 mm
H.	96.0 mm

LOAD SPRING KIT 12036
SUIT CAMELBACK SS34, SS38, SS44

OEM#



KIT INCLUDES
1x HARDWARE KIT (BOLTS, NUTS, WASHERS)
4x 12006 UPPER MOUNTS
4x 12014 LOWER MOUNTS

LOAD SPRING KIT 12039
SUIT CAMELBACK SS34, SS38, SS44

OEM#



KIT INCLUDES
1x HARDWARE KIT (BOLTS, NUTS, WASHERS)
4x 12010 UPPER MOUNTS
4x 12014 LOWER MOUNTS

TRUNNION BUSH 12015
SUIT CAMELBACK SS34, SS38, SS44

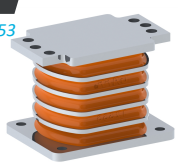
OEM# 10QK276, 10QK219P2 25154319, 25161976, 12037



I.D.	87.3 mm
O.D.	119.0 mm
L.G.	159.5 mm

BOLSTER SPRING 12333
SUIT VOLVO T-RIDE

OEM# 1089501, 1577873, 1609657, 1629553 20390836, 20536818, 3090971, 8151413



W.D.	149.2 mm
H.	150.0 mm
L.G.	209.5 mm
L.G.C-C	160.4 mm

CAB / HOOD MOUNT KIT 12004
SUIT MACK

OEM# 20QL2101



I.D.	15.8 mm	1x UPPER MOUNT
O.D.1	34.9 mm	1x LOWER MOUNT
O.D.2	66.6 mm	
L.G.	38.1 mm	

HOOD GUIDE 11545
SUIT MACK

OEM# 25QM31, 25160970



T.H.	1/2" UNC
O.D.1	38.1 mm
O.D.2	80.9 mm
L.G.	98.4 mm

CAB MOUNT ASSEMBLY 12052
SUIT MACK

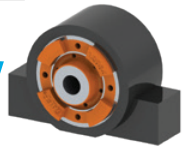
OEM# 30QS3479AM, 30QS4525M 20975430



I.D.	20.5 mm	20MM BOLT HOLE
O.D.	77.7 mm	

CAB MOUNT ASSEMBLY 12084
SUIT MACK

OEM# 30QS4557AM, 2009147



I.D.	17.4 mm	17MM BOLT HOLE
O.D.	79.3 mm	

HOOD LATCH 11768
SUIT MACK

OEM# 3QM313M, 3QM313M2, 25159428



L.G.	273.0 mm

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MACK CAMELBACK SS34, SS38, SS44 SUSPENSION

1. TORQUE ROD BUSH **13528** STANDARD OEM DESIGN
   INSTALL & REMOVAL TOOL IS **18551**

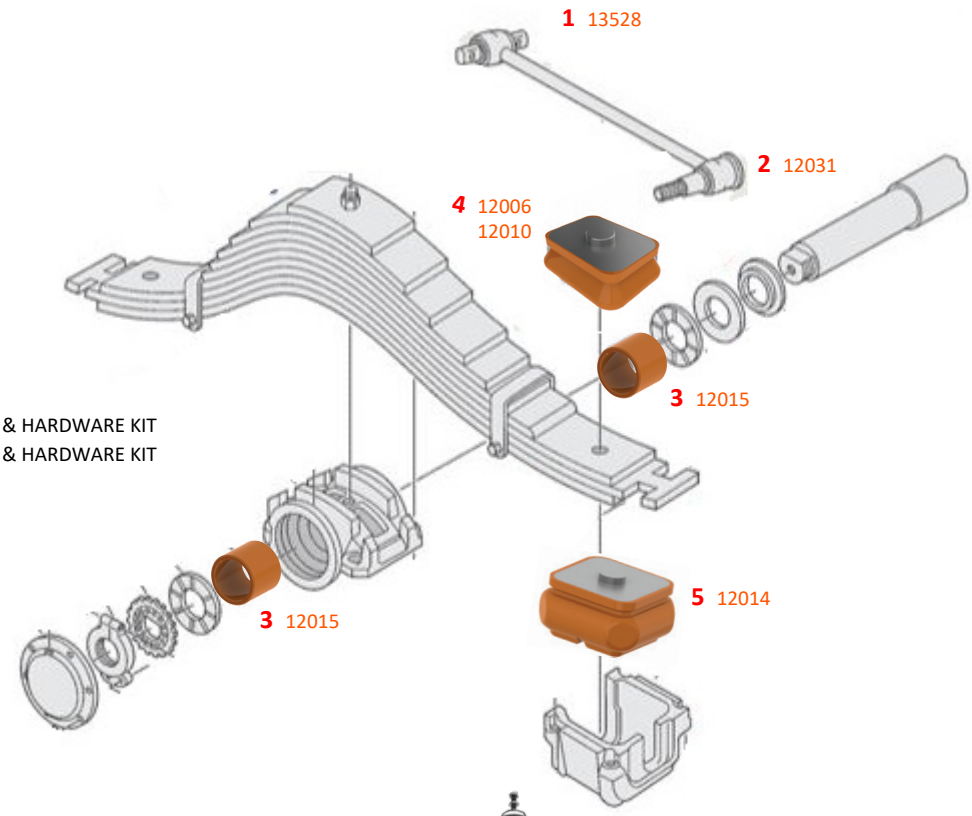
2. TORQUE ROD BUSH **12031** TAPERED BUSH DESIGN
   INSTALL & REMOVAL TOOL IS **13584**

3. TRUNNION BUSH **12015** STANDARD OEM DESIGN

4. UPPER LOAD SPRING **12004** IS 60MM TALL
   UPPER LOAD SPRING **12010** IS 76MM TALL

5. LOWER LOAD SPRING **12014** STANDARD

LOAD SPRING KIT **12036** CONTAINS 4x **12004**, 4x **12014** & HARDWARE KIT
LOAD SPRING KIT **12039** CONTAINS 4x **12010**, 4x **12014** & HARDWARE KIT



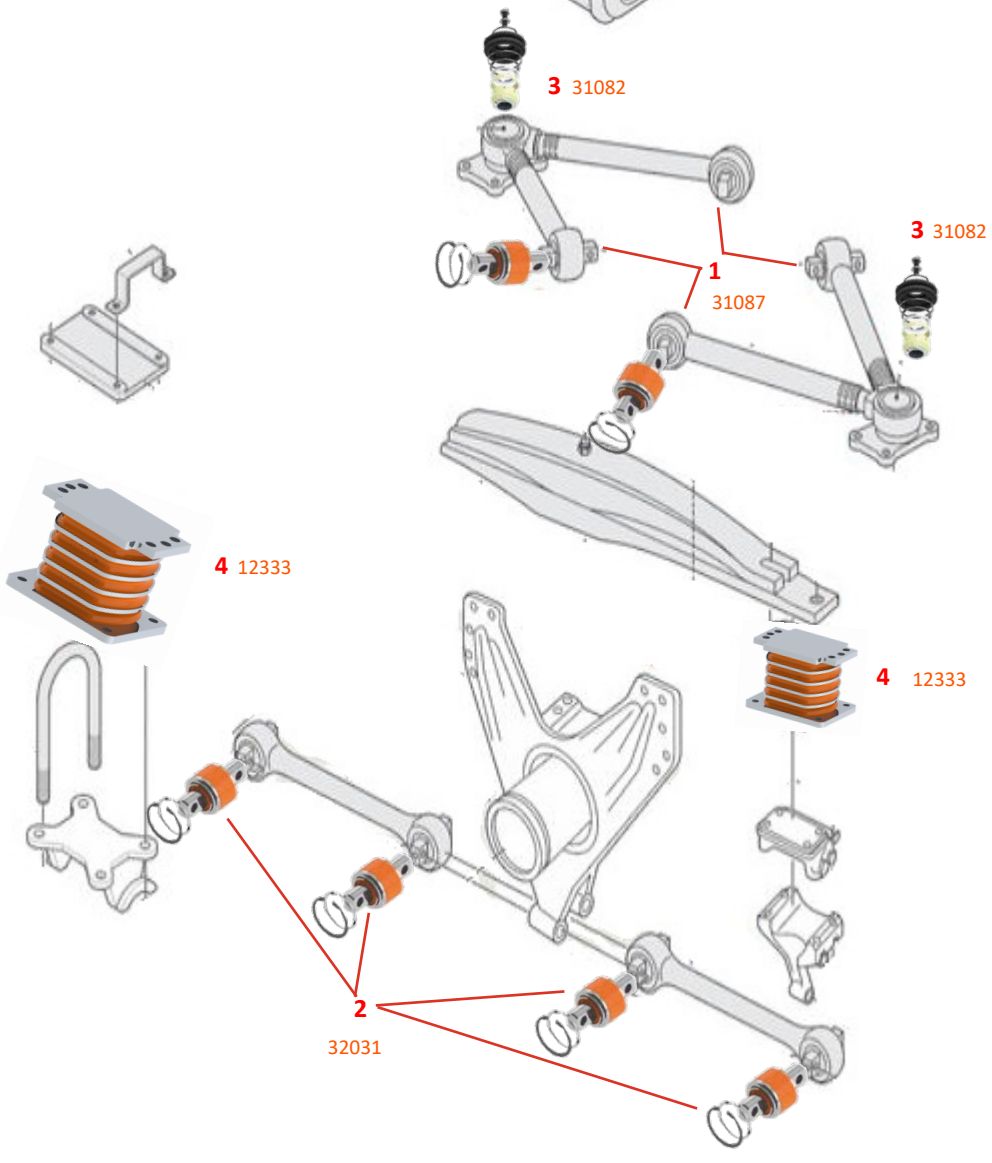
VOLVO T-RIDE SUSPENSION

1. TORQUE ROD BUSH **31087** OEM DESIGN

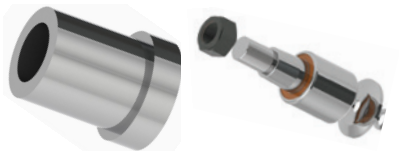
2. TORQUE ROD BUSH **32031** OEM DESIGN

3. V-STAY REPAIR KIT **31082**

4. BOLSTER SPRING **12333**



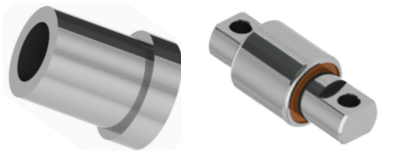
GAFF™ Install & Removal Tools



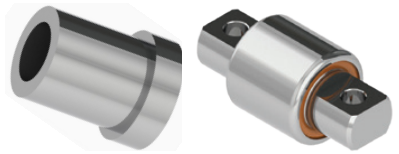
13584
TORQUE ROD BUSH TOOL
INSTALL & REMOVAL TOOL SUIT
12031, 13518 & 13533



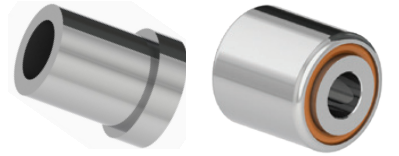
18551
TORQUE ROD BUSH TOOL
INSTALL & REMOVAL TOOL SUIT
11729, 13520, 13528, 13536, 13685, 14537 & 83520



18552
TORQUE ROD BUSH TOOL
INSTALL & REMOVAL TOOL SUIT
11714 & 13618



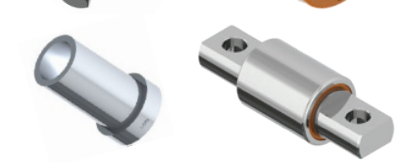
18553
TORQUE ROD BUSH TOOL
INSTALL & REMOVAL TOOL SUIT
13522 & 83522



13585
TORQUE ROD BUSH TOOL
INSTALL & REMOVAL TOOL SUIT
13514 & 13515



13595
BEAM END BUSH TOOL
INSTALL & REMOVAL TOOL SUIT
13553, 13596, 83596 & 13607



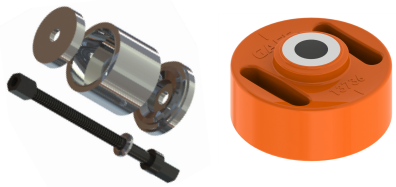
11069
SPRING PIN BUSH INSERT TOOL
INSTALL & REMOVAL TOOL SUIT
11005 & 11083



11161
SPRING PIN BUSH TOOL
INSTALL & REMOVAL TOOL SUIT
11005 & 11083



13581
PIVOT BUSH TOOL
INSTALL & REMOVAL TOOL SUIT
13510, 13565, 13583, 13600, 13628 & 13744



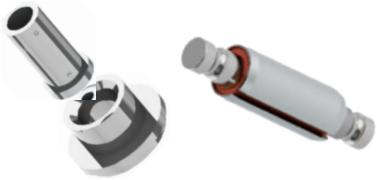
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PIVOT BUSH TOOL
INSTALL & REMOVAL TOOL SUIT
13594 & 13736



13800
PIVOT BUSH TOOL
INSTALL & REMOVAL TOOL SUIT
13817 & 18821



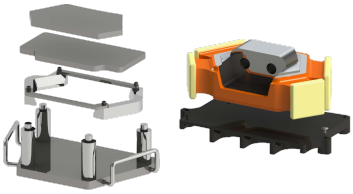
13622
PIVOT BUSH TOOL
INSTALL & REMOVAL TOOL SUIT
13599, 13617, 13752, 13762, 13771 & 13772



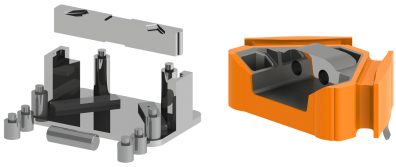
40090
SPRING PIN BUSH TOOL
INSTALL & REMOVAL TOOL SUIT
11060, 11063, 11753, 11757, 11758, 11767, 11802 & 11820



11168
SPRING PIN BUSH TOOL
INSTALL & REMOVAL TOOL SUIT
11066, 11094 & 31134



11175
MOTOR MOUNT TOOL
INSTALL & REMOVAL TOOL SUIT
11149



H11184
MOTOR MOUNT TOOL
INSTALL & REMOVAL TOOL SUIT
11179

GAFF™
PROVIDING LONG-TERM FLEXIBILITY, DURABILITY, PERFORMANCE



STEMCO®
Making the Roadways Safer®
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SMART MAINTENANCE PROGRAM

50 Times More Powerful Than Ordinary Lubricants

REDUCE FUEL CONSUMPTION

INCREASE PERFORMANCE

EXTEND OIL CHANGES

REDUCE DOWNTIME

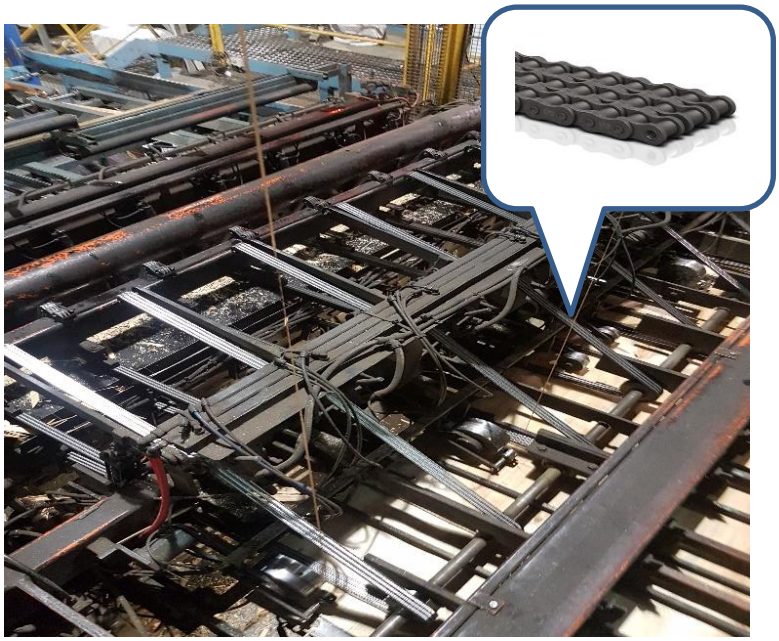


Pro-One Solutions for Australia

INDUSTRY: Engineered Timber Product

APPLICATION: Triplex chain drive

PRODUCT: XPL-101 Penetrating Lubricant



OVERVIEW:

If chain was not lubricated, motor would trip out bringing production to a halt and 1 hour of lost time in recovery.

PROBLEM:

Chain lube used previously needed to be re-applied every 2 days. If the lubrication was not applied (resulting in high rates of friction) the current draw on the drive motors would exceed safety limits. This caused the motor to cut out and production to stop

Pro-One Solution:

- XPL-101 Pro-One Penetrating Lubricant applied to chain – application volume reduced by 80% (less product used with better outcomes)
- Reduction in friction resulting from the use of a superior lubricant ensured drive motors were not overloaded avoiding costly failures.
- Motor current draw was originally running at 14 Amps now reduced to just 7 Amps after XPL-101 applied.

Savings Breakdown:

- Lubricant application cycle down from 7 times per fortnight to only 1 = $50 every 2 days saving = $350 savings over a 2-week period or $8,400 a year. (48 production weeks)
- No more interruptions on the production line with elimination of lubrication related lost time.
- Motors running within safe tolerance and more efficiently (less repairs needed / less power consumption).
- Maintenance staff have more time to focus on other areas of the plant.

Pro-One savings $8,400 per year*

(*Increased chain life, power savings, less maintenance and improved output not included)

XPL-101

Without XPL+ @ 4,000psi

With XPL+ @ 200,000psi



50 TIMES MORE POWERFUL



XPL+ VS ORDINARY LUBRICANTS

Typical lubricants tend to migrate away from heat sources but XPL+ has a positively charged molecule structure with a strong ionic (+) charge which allows it to bond to metal even under extreme heat & pressure, giving lubricants formulated with XPL+ unprecedented film strength & extreme pressure protection.

TYPICAL SPRAY LUBRICANT	-	+
BONDING OR FLOWING	FLOWING	BONDING
REACTION TO HEAT & PRESSURE	MIGRATES AWAY	MIGRATES TOWARDS
FILM STRENGTH	LIMITED	EXTRAORDINARY
ENVIROMENTALLY FRIENDLY	NO	YES

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XPL-101

PENETRATING LUBRICANT



12oz 4oz

FOR USE IN:

- Air Tools
- Bolts
- Bushings
- Chains
- Cables
- Electrical Terminals
- Hand Tools
- Hinges
- Ignition Wires
- Levers
- Linkages
- Locks
- Nuts
- Pulleys
- Kitchen Tools
- Wheels
- Bearings
- Fasteners
- Casters
- Knobs
- Pistons
- Gears
- Valve Train
- Oil Pump
- Latches
- Conveyors
- Drill Bits
- O-Rings
- Fishing Reels
- Springs
- Firearms
- Stamping Tools
- Rollers
- Sliding Doors
- Lock Tumblers
- Mold Release
- Pivot Joints
- Rusted Parts
- Spark Plugs
- Garage doors
- Screw Jacks
- EGR Valves

WATCH THE LIVE **DEMONSTRATION**

DOES NOT CONTAINS SOLIDS OR HARMFUL SOLVENTS LIKE CHLORINE

THE MOST POWERFUL SPRAY LUBRICANT ON THE MARKET

No other penetrating lubricant offers **XPL+® lubrication technology** which protects metal surfaces from heat, friction, moisture and the elements, and easily loosens rusted or sticky mechanisms. We guarantee that once you use this powerful **environmentally friendly** formula you will never settle for anything else.

BENEFITS:

- 50 times more film strength than typical spray lubricants
- Penetrates and bonds to metal
- Reduces friction and heat
- Stops squeaks and reduces noise
- Protectant for air tools
- Frees sticky, corroded rusted parts
- Gun lubricant & cleaner
- Protects metal from rusting
- Displaces water & moisture
- Low VOC
- Non-toxic, environmentally friendly
- Does not contain CFC's









APPROVED BY FORD - TOX# 186095

Pro-One#	Size	Case/Pack
P1-40012	11.5 oz./ 326g Aerosol	12
P1-40001	1 Gallon/ 3.785L	4
P1-40005	5 Gallon/ 18.9L Pail	1
P1-40055	55 Gallon/ 208L Drum	1

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FUEL MAXIMIZER

ADVANCED FUEL CONDITIONING CATALYST

BOTTOM LINE BENEFITS:

- Improves engine performance
- Improvement in fuel economy
- Virtually eliminates opacity
- Conditions fuel during storage
- Reduces ash formation
- Adds lubricity to diesel fuels
- Prevents carbon buildup
- Improves engine start-ups
- Increases BTU's
- Cleans fuel system and injectors
- No mixing - blends instantly
- Addresses water contamination

HOW IT WORKS
DEMONSTRATION

TABLET TREATMENT RATIO

5 Small Tablet - Pack (Automotive)
1 Small Tablet per 57L of Fuel
4 Large Tablet - Pack (Industrial)
1 Large Tablet per 189L of Fuel

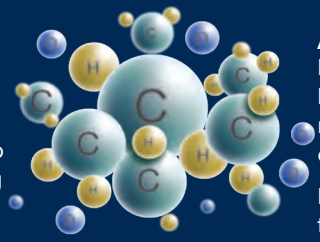
LIQUID TREATMENT RATIO

1:4000 or 1 ml per 4 Litres
25 ml per 100 Litres.
Double dose first tank.
Add at every fill up.

BEFORE

Fuels chemical energy is stored in a Hydrocarbon.

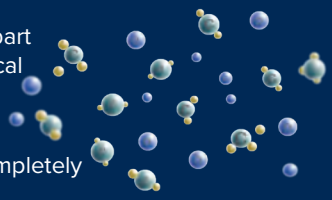
In this state Hydrocarbons do not burn completely resulting in carbon, soot, and harmful emissions.



AFTER

Fuel Maximizer is a catalyst that breaks apart large particulates, accelerating the chemical reaction of fuel thus liberating its chemical energy.

Makes Oxygen available to burn more completely thus producing a more efficient burn.



REDUCES EMISSIONS

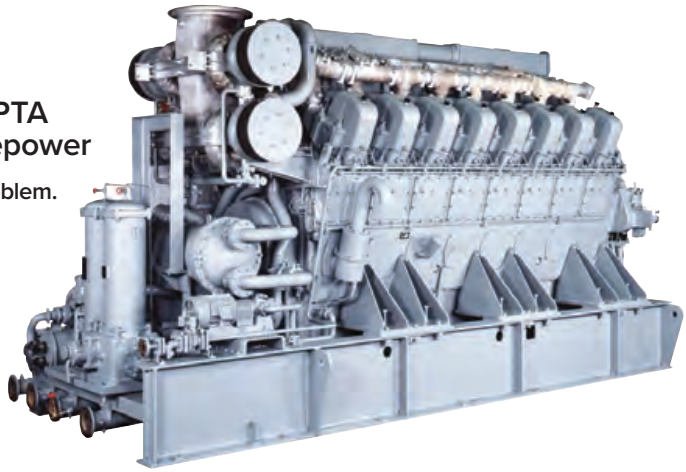
DIESEL ENGINE: Superior Model 2406D | Mitsubishi S6U-PTA
4-Stroke | 6-Cylinder | 4300 Cubic-Inch | 1,400 Brake-Horsepower

Run at full 85% load @ 1,200 r.p.m. to artificially create a particulate emissions problem.

RESULTS:

- CO emissions reduced by 10%
- HC emissions reduced by 9%
- Particulate carbon reduced by 26%
- Particulate emissions reduced by 43%
- No increase in NOx emissions

ProOne Fuel Maximizer offers a unique, cost-effective means to reduce diesel engine particulate emissions without aggravating NOx emissions or diminishing fuel economy.



Pro-One#	Size	Case/Pack
P1-32015	5 Small Tablets	25
P1-32050	4 Large Tablets	25

Pro-One#	Size	Case/Pack
P1-32010	10oz/295ml *LIMITED STOCK*	12
P1-32001	1 Gallon/3.78L	4
P1-32055	55 Gallon Drum/208L	1

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GOLD EP-2
INDUSTRIAL GRADE GREASE

EXTREME PRESSURE PERFORMANCE FROM -30°F TO 615°F! (-34°C TO 324°C)

THE MOST POWERFUL GREASE ON THE MARKET

This **HEAVY DUTY, NGLI 2**, **ASTM Tested** grease delivers outstanding high impact/extreme load protection to help **extend equipment life/regreasing intervals**, optimize performance, and help save energy, even under the harshest conditions.

And with a calcium complex base, no harmful additives and nano-based EP agents, this premium grease is **environmentally friendly!**

WATCH THE LIVE **DEMONSTRATION**



TYPICAL PROPERTIES

NLGI Grade	2
Color	Light Blue
Thickener	Calcium Complex
Operating temperature range	-30°F to 615°F (-34°C to 324°C)
Kinematic viscosity of base oils @40°C (ASTM 445)	210 cSt (1000 SUS)
Penetration @ 25°C (77°F) (ASTM D-217), mm/10	
Worked 60 strokes	265-295
Mechanical Stability (ASTM D-217) % change from P60	
P100,000 strokes	2.5%
P10,000 strokes with 50% H2O	<6.0%
Dropping Point (ASTM D-2265) °F (°C)	>300°C
Oil Separation (ASTM D-1742) –24 hours @ 25°C (77)	<.5%
Shell Roll Stability (ASTM D-1831)	<4.0%
Oxidation Stability (ASTM D-942) psi drop/500 hours	6.0lbs
Oxidation Bearing Life (ASTM D-3527)	200 hours
4-Ball Wear Test (ASTM D-2266)mm scar, 40kg, 1200 RPM, 75°F, 1H	0.39mm
4-Ball EP test (ASTM D-2596) LWI, kg	>75
Weld Load, kgf (ASTM D-2596)	620
Timken OK Load (ASTM D-2509) lbs/kg	60/27
Rust test (ASTM D-1743)	Pass
Copper Corrosion test (ASTM D-130)	Pass/1b
Salt Fog Spray (ASTM B-117) hours to failure	>1000 hours
Water Washout (ASTM D-1264) @ 80°C, % loss	1.42%
Wheel bearing leakage grams (ASTM D-1263)	
Modified @ 163°C (325°F)	0.4
Base Oil Characteristics	
Viscosity SUS @ 100°F	1100
Viscosity SUS @ 210°F	85
Pour Point, °F	+5
V.I. Min	95

ADVANTAGES:

- Extreme pressure protection
- Extreme temperature range
- Heavy load carrying capability
- Shock load resistant
- Shear stability
- Oxidation resistant
- Corrosion resistant
- Water resistant
- Reduces noise
- Reduces downtime
- Reduces power consumption
- Cling capability
- Seal compatibility

Pro-One#	Size	Case/Pack
P1-46015	16 oz./ 450g Cartridge	12
P1-46040	40 lb./ 18kg Pail	1
P1-46400	400 lb./ 180kg Drum	1

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HEAVY DUTY
OIL STABILIZER

IF IT SMOKES, LEAKS, OR NEEDS EXTRA PROTECTION, LOOK NO FURTHER

This **high performance heavy-duty formula** is designed to fortify your oil to provide extra protection and enhance the performance of your **engine or gearbox**.

It is formulated with **XPL+ Technology** which offers **50 times more film strength** protection other stabilizers can't provide.

It provides exceptional results in engines that are burning, leaking, or using oil.

FOR DIESEL ENGINES OR OLDER GASOLINE ENGINES

DOES NOT CONTAINS SOLIDS OR HARMFUL SOLVENTS LIKE CHLORINE

COMPATIBLE WITH ALL CONVENTIONAL AND SYNTHETIC MOTOR OILS AS WELL AS GEAR OILS

ADVANTAGES:

- Extreme pressure protection
- Slows oil burning & oil leaks
- Slows blow-by
- Provides start-up protection
- Helps restore compression
- Improves performance
- Easier starting at all temperatures
- Increases oil pressure
- Extends engine life
- Stops thermal breakdown
- Extends oil change intervals 25% to 50%

DIRECTIONS FOR USE:

- Diesel engines - 10% by volume
- Marine engines - 10% by volume
- Higher mileage engines - 15% by volume
- Badly worn engines - 20% by volume
- Wheel End / Hubs - 20% by volume
- Commercial/ Industrial - 10% by volume
- Motorcycle - 5% by volume
- Wet clutch - 5% by volume
- Manual transmissions (90W or higher)- 15% by volume
- Differentials & gear boxes (90W or higher) - 15% by volume

WATCH THE LIVE **DEMONSTRATION**



Pro-One#	Size	Case/Pack
P1-13032	32oz/946mL	6
P1-13001	1 gal/3.785L	4
P1-13005	5 gal/18.9L Pail	1
P1-13055	55 gallon/208L drum	1

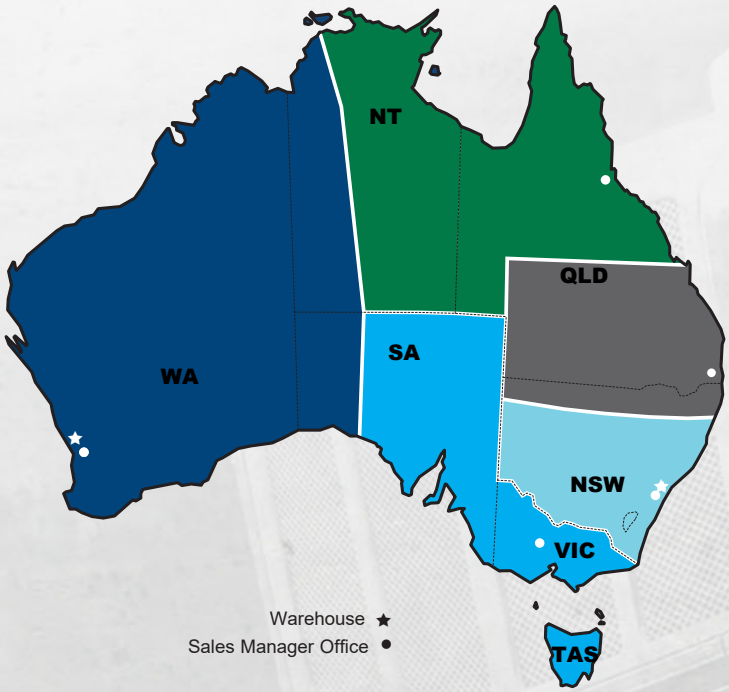
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