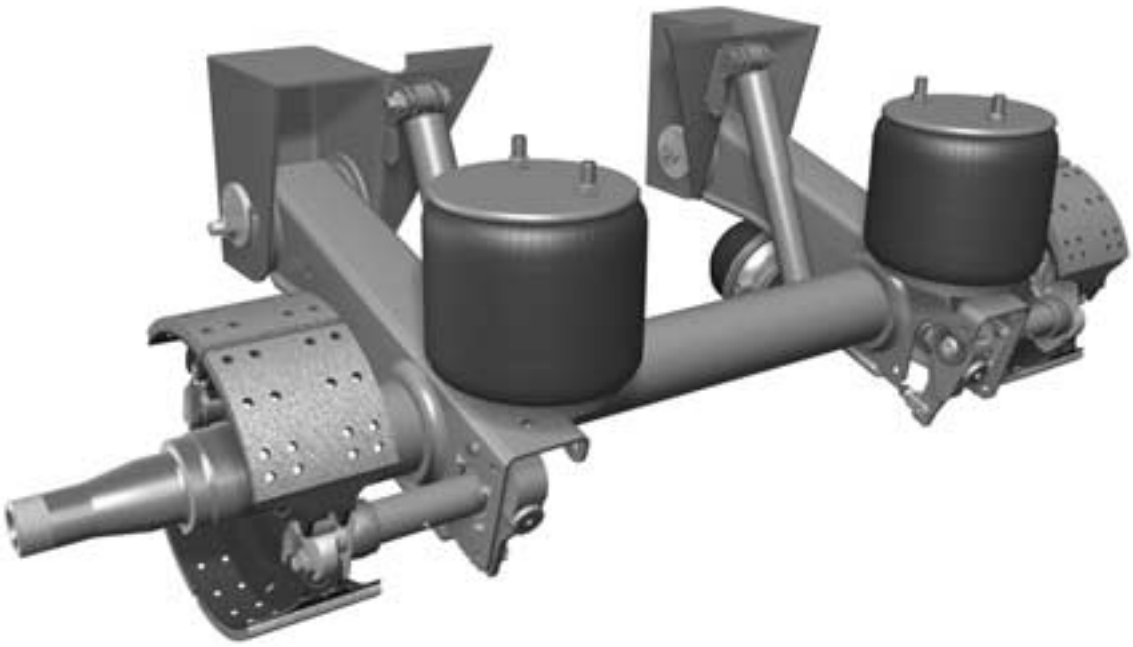
PARTS LIST

INTRAAX® AAT—23K, 25K, 30K, AAEDT 30K AND AANT 23K

LIT NO: L405
DATE: January 2002 **REVISION:** E



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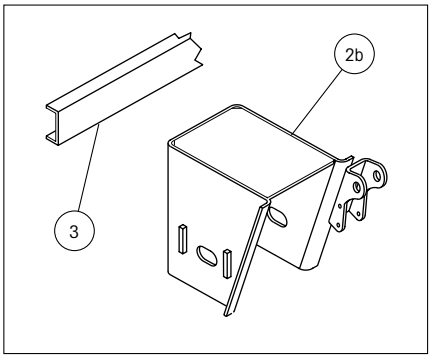
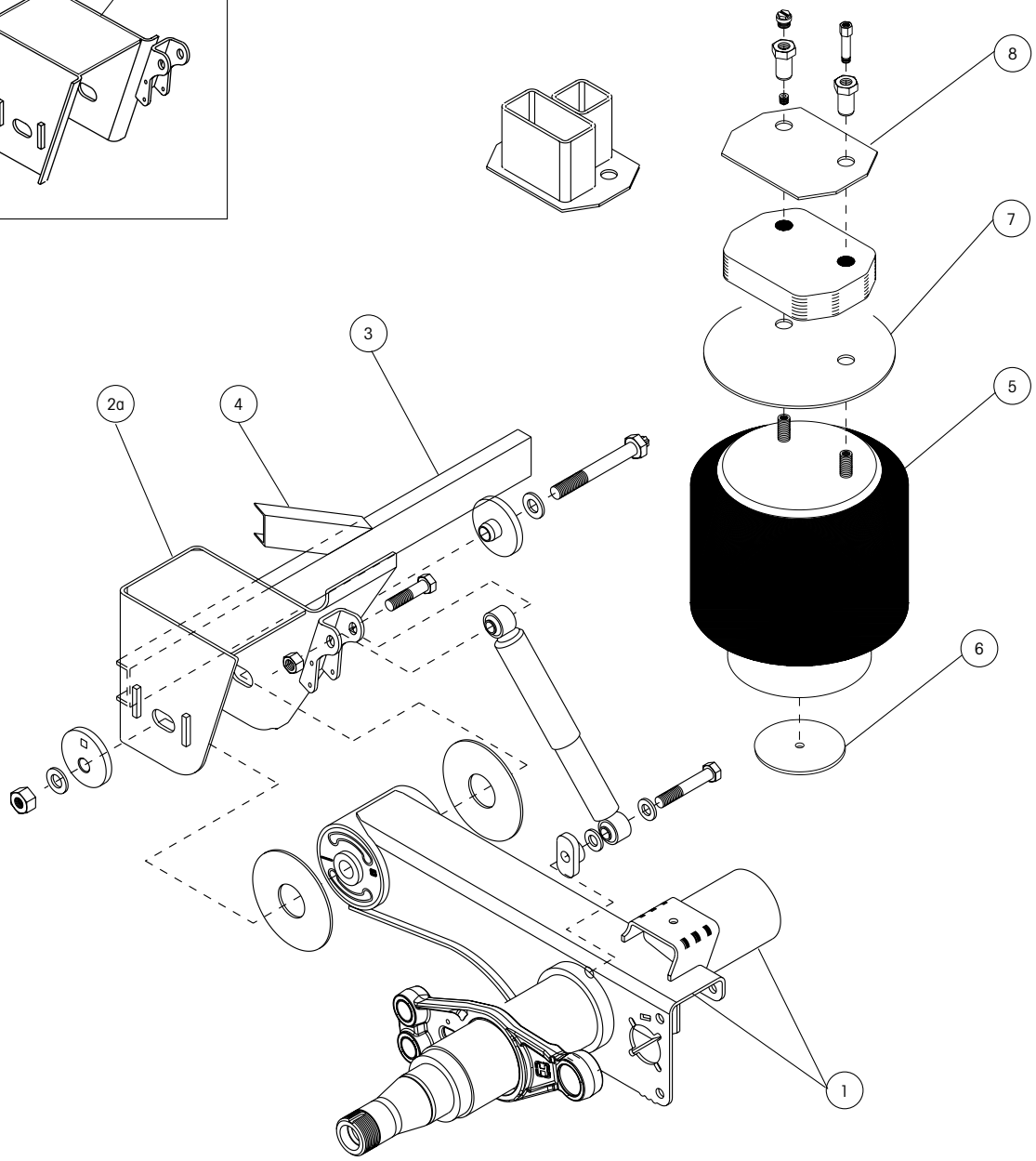
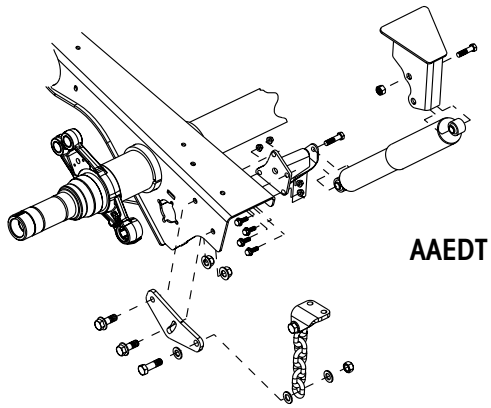
For The Road Ahead

HENDRICKSON







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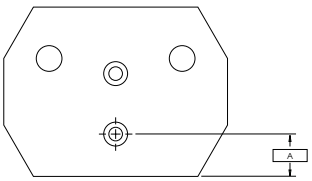
DETAIL OF ITEM 8

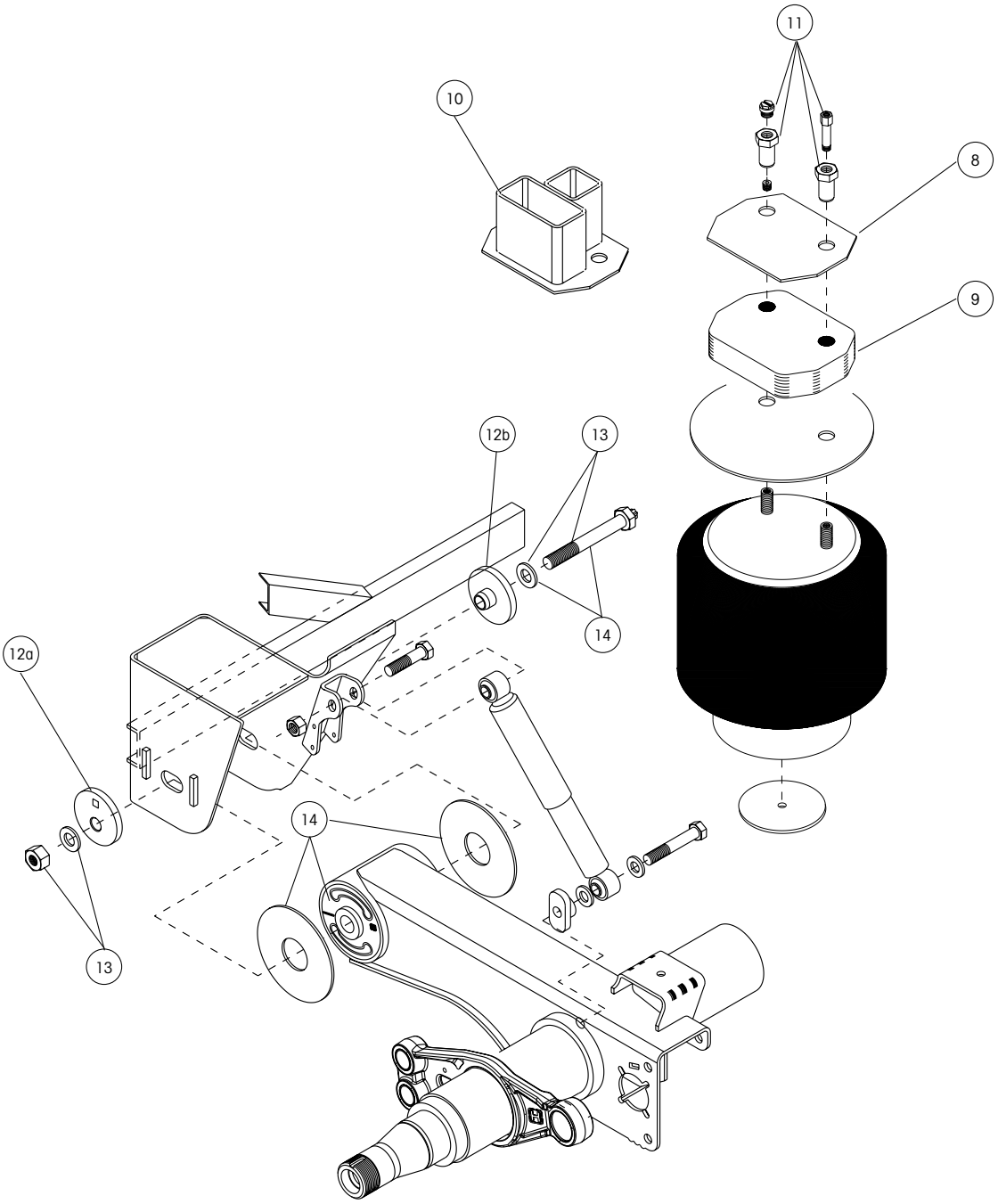


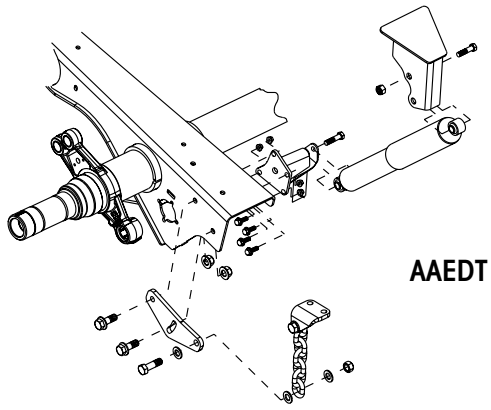
* DIMENSION **A** WILL DETERMINE THE PLATE USED

* DIM **A**	PART #
$1^1/_2$"	= B-21145
$2^1/_4$"	= B-22390
$1^3/_4$"	= B-21715

ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
1	**AXLE/BEAM WELDMENT**			Contact Hendrickson for assistance
2	**FRAME BRACKET[1] (Standard Travel)**			Contact Hendrickson for assistance
	For AAT 23K, 25K and 30K model series:			
2a	8" Weld-on, Winged, Roadside	C-21028-1	1	13 1/2", 14" and 15" ride heights
	8" Weld-on, Winged, Curbside	C-21028-2	1	13 1/2", 14" and 15" ride heights
	10" Weld-on, Winged, Roadside	D-21082-1	1	16" and 17" ride heights
	10" Weld-on, Winged, Curbside	D-21082-2	1	16" and 17" ride heights
2b	8" Weld-on, Wingless, Roadside	D-21905-1	1	13 1/2", 14" and 15" ride heights
	8" Weld-on, Wingless, Curbside	D-21905-2	1	13 1/2", 14" and 15" ride heights
	10" Weld-on, Wingless, Roadside	D-21906-1	1	16" and 17" ride heights
	10" Weld-on, Wingless, Curbside	D-21906-2	1	16" and 17" ride heights
2c	**For AANT 23K model series: Not Shown**			Narrow Frame Bracket
	10" Weld-On, Winged, Roadside	D-26105-1L		14" and 15" ride heights
	10" Weld-On, Winged, Curbside	D-26105-1R		14" and 15" ride heights
	14" Weld-On, Winged, Roadside	D-26105-2L		16" and 17" ride heights
	14" Weld-On, Winged, Curbside	D-26105-2R		16" and 17" ride heights
2d	**For AAEDT 30K model series: Not Shown**			
	10" Weld-On, Winged, Roadside	D-24766-3L		14" ride height
	10" Weld-On, Winged, Curbside	D-24766-3R		14" ride height
	12" Weld-On, Winged, Roadside	D-24766-4L		15" ride height
	12" Weld-On, Winged, Curbside	D-24766-4R		15" ride height
	14" Weld-On, Winged, Roadside	D-24766-5L		16" and 17" ride heights
	14" Weld-On, Winged, Curbside	D-24766-5R		16" and 17" ride heights
	12" Weld-On, Wingless, Roadside	D-24767-4L		15" ride height
	12" Weld-On, Wingless, Curbside	D-24767-4R		15" ride height
3	**FRAME BRACKET CHANNEL**	A-1631-19	1	All models, all ride heights
4	**FRAME BRACKET BRACE** For AAEDT 30K model series	B-2347-7		16" and 17" ride heights
5	**AIR SPRING**			
	For AAT 23K models shipped before 6/1/96	S-20900	2	Use to replace C-20900 air spring
	For AAT 23K models shipped after 6/1/96 and AANT 23K models	S-21800	2	Use to replace C-21800 air spring
	For AAT 25K models	S-21784	2	Includes disk assembly; use to replace C-20901 air spring
	For AAT 30K	S-25873	2	Use to replace C-25873
	For AAEDT 30K	S-25319	2	Use to replace C-25319
6	**AIR SPRING PLATE**			
	For AAT 25K / AAT 30K	B-21786		Air Spring Bottom Disk
7	**AIR SPRING FLEX PLATE**			
	For AAEDT 30K	B-23294		Weld On
		B-24813		Bolt-On for 14", 15", 16" and 17"
		B-24812		Patterned Bolt On for 14", 15", 16" and 17"
8	**AIR SPRING MOUNTING PLATE**			
	All Weld-on Applications	B-20905	2	For AAT 23K, 25K, 30K and AANT 23K 13 1/2" through 17" ride heights
	Various Bolt-on Applications	B-21145	2	Distance from outboard side of spacer to center of first trailer frame mounting bolt hole is 1 1/2". For AAT 23K, 25K, 30K and AANT 23K 13 1/2" through 17" ride heights

[1] Other options exist including standard travel bolt-on frame brackets, bolt-on frame brackets for limited travel and high control applications and weld-on frame brackets for limited travel and high control applications. High control applications include dollies, full trailers and pups used in doubles or triples. Contact Hendrickson for assistance in determining a part number for the above applications.





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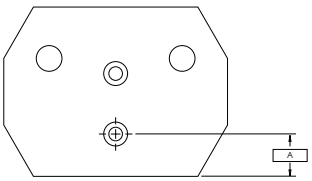
DETAIL OF ITEM 8

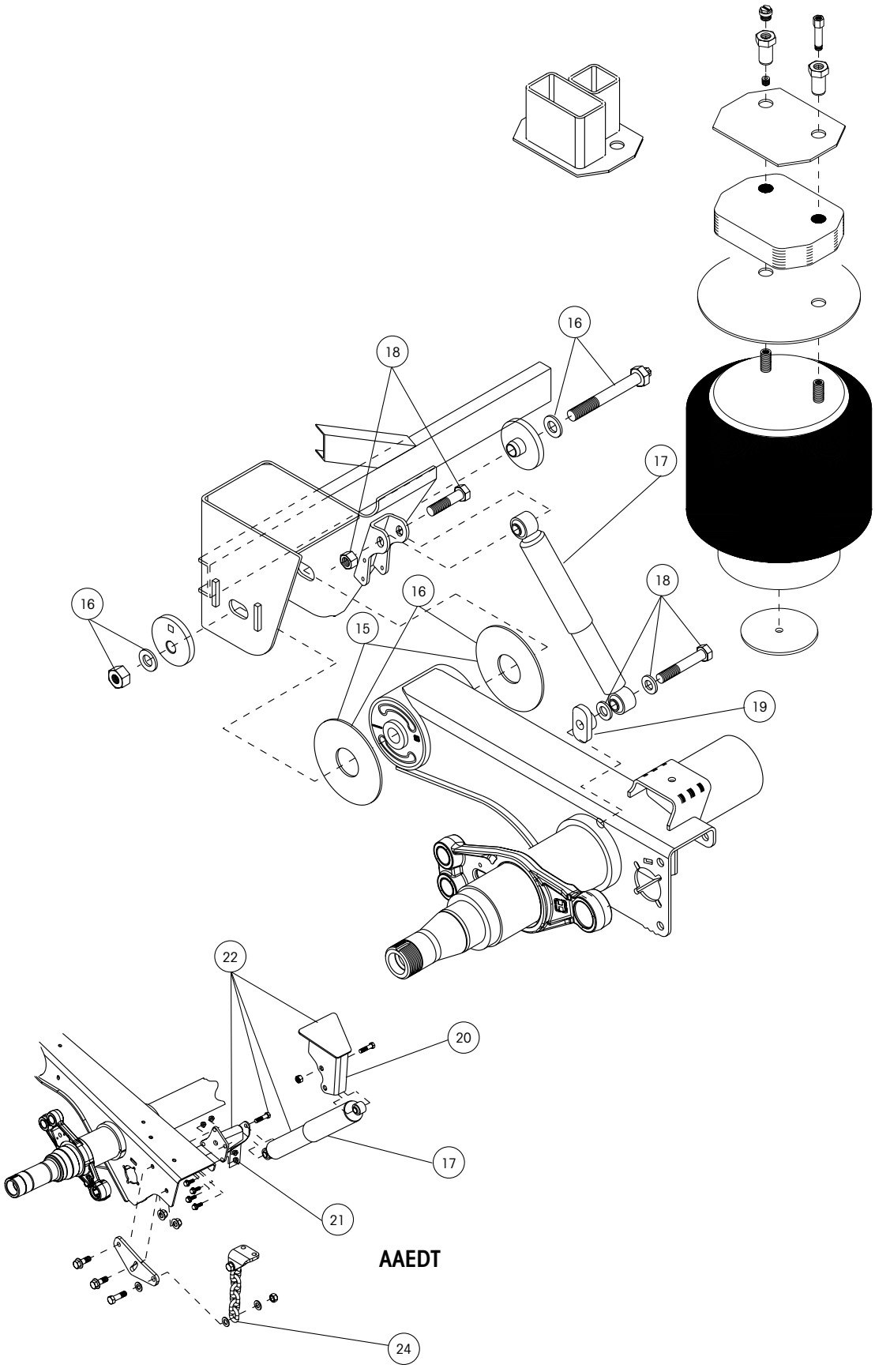


* DIMENSION **A** WILL DETERMINE THE PLATE USED

* DIM **A**	PART #
$1^1/_2$"	= B-21145
$2^1/_4$"	= B-22390
$1^3/_4$"	= B-21715

ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
8	**AIR SPRING MOUNTING PLATE cont.**			
	Various Bolt-on Applications	B-22390	2	Distance from outboard side of spacer to center of first trailer frame mounting bolt hole is $2^{1}/_{4}$" - For AAT 23K, 25K, 30K and AANT 23K $13^{1}/_{2}$" through 17" ride heights
	Various Bolt-on Applications	B-21715	2	Distance from outboard side of spacer to center of first trailer frame mounting bolt hole is $1^{3}/_{4}$". For AAT 23K, 25K, 30K and AANT 23K $13^{1}/_{2}$" through 17" ride heights
9	**AIR SPRING SPACER**			
	For AAT 23K, 25K, 30K and AANT 23K model series			
	Plastic, $1^{1}/_{8}$" Thick Spacer	B-22510-1	2	Typically 15" ride height
	Plastic, $1^{7}/_{8}$" Thick Spacer	B-22510-2	2	Typically 16" ride height
	Plastic, $3^{1}/_{8}$" Thick Spacer	B-22510-3	2	Typically 17" ride height
10	**AIR SPRING SPACER ASSEMBLY**			
	For AAT 23K, 25K, 30K and AANT 23K model series			
	Steel, Weld-on, $1^{5}/_{16}$" Thick Spacer Assembly	C-22302-2	2	Typically 15" ride height
	Steel, Weld-on, $2^{1}/_{16}$" Thick Spacer Assembly	C-22302-3	2	Typically 16" ride height
	Steel, Weld-on, $3^{5}/_{16}$" Thick Spacer Assembly	C-22302-4	2	Typically 17" ride height
	Steel, Weld-on, $4^{1}/_{16}$" Thick Spacer Assembly	C-22302-5	2	Typically 18" ride height
	Steel, Bolt-on, $4^{5}/_{16}$" Thick Spacer Assembly	C-22738-1	2	Typically 18" ride height
	Steel, Weld-on, $5^{5}/_{16}$" Thick Spacer Assembly	C-22302-6	2	Typically 19" ride height
	Steel, Bolt-on, $5^{9}/_{16}$" Thick Spacer Assembly	C-22738-2	2	Typically 19" ride height
11	**AIR SPRING MOUNTING KIT (Per Air Spring) Includes air fitting(s), hex flange nut(s), plug(s) and extension nuts.**			
	For AAT 23K, 25K, 30K & AANT 23K model series	S-22619/2	2	For units with no spacer or with $1^{5}/_{16}$", $2^{1}/_{16}$", $3^{5}/_{16}$", $4^{1}/_{16}$", $4^{5}/_{16}$", $5^{5}/_{16}$" or $5^{9}/_{16}$" thick spacer assemblies at $13^{1}/_{2}$", 14", 18" and 19" ride heights for thick frames of .9" to $1^{1}/_{4}$" and 17", 18" and 19" ride heights
		S-22630/2	2	For units with a $1^{1}/_{8}$" thick spacer and 15" ride height for thick frames of .9" to $1^{1}/_{4}$" and $13^{1}/_{2}$" or 14" ride heights
		S-22631/2	2	For units with a $1^{7}/_{8}$" thick spacer and 16" ride height for thick frames of .9" to $1^{1}/_{4}$" and 15" ride height
		S-22632/2	2	For units with a $3^{1}/_{8}$" thick spacer and 17" ride height for thick frames of .9" to $1^{1}/_{4}$" and 16" ride height
	For AAEDT 30K model series	A-25339		Standard frame
		A-25453		Frame thickness of .9" to $1^{1}/_{4}$"
12	**ALIGNMENT COLLARS**			
12a	**Eccentric Alignment Collar, all models**	S-20925	2	Pivot bolt hole is offset from center of collar
12b	**Concentric Alignment Collar, all models**	S-20924	2	Pivot bolt hole is in center of collar
13	**QUIK-ALIGN® PIVOT BOLT KIT**[1]	S-24679	2	Includes 10" shear-type bolt, nut & washers
13a	**QUIK-ALIGN PIVOT BOLT KIT Not Shown**			
	Narrow Connection for AANT 23K	S-24705	2	Includes 7" shear-type bolt, nut & washers
14	**QUIK-ALIGN PIVOT BUSHING KIT**[1,2]			
	Standard	S-24691	2	Includes bushing, pivot bolt kit, bushing tube spacers and lube
	Narrow Bushing for AANT 23K	S-24706		Includes bushing, pivot bolt kit, bushing tube spacers and lube
	High Control for AAT 23K, 25K	S-24681	2	Includes bushing, pivot bolt kit, high control bushing tube spacers and lube

[1] Best installed with Hendrickson E-20 Torx™ socket A-24536 (1-inch drive sleeveless), A-25119 (1-inch drive with sleeve) or A-24303 ($^{3}/_{4}$-inch drive).
[2] Picture may not resemble all models.



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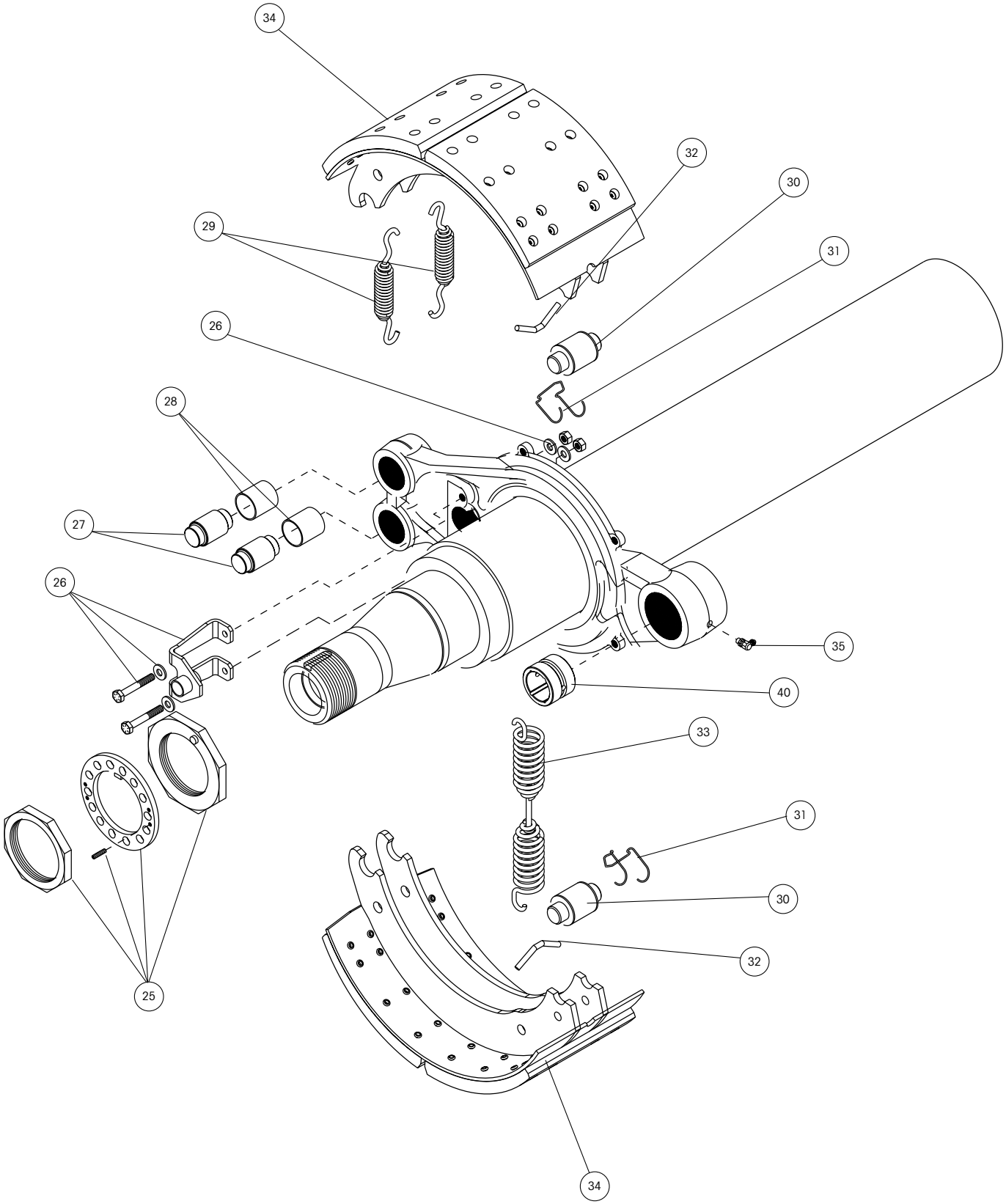
ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
15	**BUSHING TUBE SPACERS**			
	Standard, all models	S-11613	4	Four (4) required per axle
	High Control; not for use with AA300T, AA300EDT	B-21099	4	Four (4) required per axle
16	**BUSHING TUBE SPACER KIT**	S-26369	2	Includes (3) standard bushing tube spacers, 10" shear-type bolt, hex nut and hardened washers — not available in High Control
16a	**BUSHING TUBE SPACER KIT — AANT 23K**	S-26368	2	Includes (3) standard bushing tube spacers, 7" shear-type bolt, hex nut and hardened washers — not available in High Control
17	**SHOCK ABSORBER**[1]			
	Standard Duty	S-23566	2	For use with AAT 23K, 25K and AANT 23K; replaces A-20002 or B-23566
	Limited Rebound	S-23361	2	For use with AAT 23K, 25K and AANT 23K; replaces B-22345 or B-23361
	Extended Service	S-24125	2	For use with AAT 23K, 25K and AANT 23K; replaces A-20126 or B-24125
	Extended Service with High Dampening	S-24023	2	For use on all AAT 30K, also with AAT 23K, 25K and AANT 23K; replaces B-21553 or B-24023
	Extended Service with High Dampening	S-23361		For use on AAEDT 30K front shocks with 14" ride height; replaces B-23361
		S-25515		For use on AAEDT 30K front shocks with 15", 16" and 17" ride height; replaces B-25515
	Extended Service with High Dampening	S-25436		For use on AAEDT 30K rear shocks with 14" and 15" ride height; replaces B-23316
		S-25512		For use on AAEDT 30K rear shocks with 16" and 17" ride height; replaces B-25515
18	**SHOCK ABSORBER BOLT KIT**[2]			
18a	For AAT 23K and 25K Units Shipped After 8/11/95	S-24021	2	One (1) required per shock
	For AANT 23K units	S-24049/2	2	One (1) required per shock
18b	For AAT 23K and 25K Units Shipped Before 8/11/95	S-20896/2	2	One (1) required per shock
18c	For AAT 30K front mounted shock	S-24021		
	For AAT 30K rear mounted shock	S-20031/2	2	
	For AAEDT 30K front shock	S-24757/2	2	
	For AAEDT 30K rear shock	S-25449/2	2	
19	**SHOCK SPACER ASSEMBLY**	S-25990	2	
20	**UPPER SHOCK CLEVIS, REAR MOUNT SHOCK**	S-25420	1	
21	**REAR SHOCK TOWER REPLACEMENT**			
	AAEDT 30K Left side	S-26426		
	AAEDT 30K Right side	S-26427		
22	**REAR SHOCK OPTION RETROFIT KIT**			
	For AAEDT 30K, 14" and 15" ride heights	S-26428		Includes left and right shock towers, 2 clevises, 2 shocks, bolts and nuts
	For AAEDT 30K, 16" and 17" ride heights	S-26429		
23	**SHOCK STRAP KIT**			Not Shown
	AAT 23K and 25K	C-23086-1		For standard shock S-23566
	AAT 30K	C-23086-2		For extended service shock S-24125 or extended service high damping shock S-24023
	AAEDT 30K, 14" ride height	C-23086-6		
	AAEDT 30K, 15", 16" and 17" ride heights	C-23086-12		
24	**REBOUND LIMITER KIT for AAEDT 30K**			
	14", 16" and 17" ride heights	A-25338-2		
	15" ride height	A-25338-1		

[1] Other options exist. Contact your Hendrickson Customer Service Representative for assistance.
[2] Best installed with Hendrickson E-20 Torx™ socket A-24536 (1-inch drive sleeveless), A-25119 (1-inch drive with sleeve) or A-24303 ($^3/_4$-inch drive)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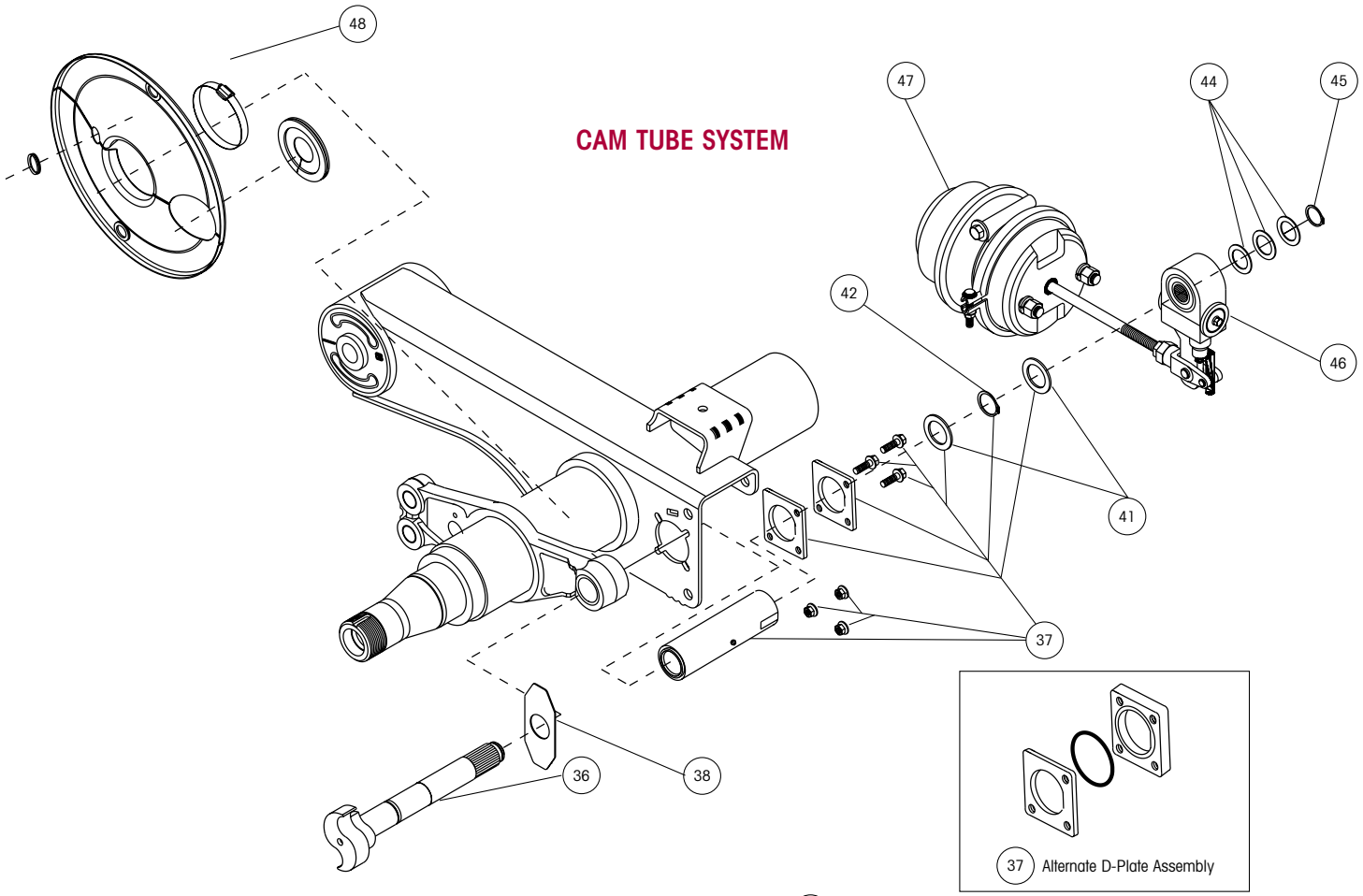
ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
25	AXLE NUT KIT			
	HN Spindle Type	S-20492/2	2	Includes inner axle nut, outer axle nut, lock washer and set screw
	HP Spindle Type	S-20475/2	2	Includes inner axle nut, outer axle nut, lock washer and set screw
26	ABS BRACKET KIT			
	HN Spindle Type	S-24903	1	Includes sensor bracket, bolts, lock nuts and flat washers
	HP Spindle Type	S-24904	1	Includes sensor bracket, bolts, lock nuts and flat washers
27	ANCHOR PIN[1]			Included in minor overhaul brake kits and major overhaul brake kits
28	ANCHOR PIN BUSHING[1]			Included in minor overhaul brake kits and major overhaul brake kits
29	BRAKE RETAINING SPRING[1]			Included in minor overhaul brake kits and major overhaul brake kits
30	BRAKE SHOE ROLLER[1]			Included in brake shoe kits, minor overhaul brake kits and major overhaul brake kits
31	ROLLER RETAINER[1]			Included in brake shoe kits, minor overhaul brake kits and major overhaul brake kits
32	RETURN SPRING PIN[1]			Included in brake shoe kits, minor overhaul brake kits and major overhaul brake kits
33	BRAKE RETURN SPRING[1]			Included in minor overhaul brake kits and major overhaul brake kits
34	BRAKE SHOE[1] **Complete listing of Brake Shoe Kits begins on page 13.**			
35	GREASE FITTING	A-22830	2	Self tapping

[1] Not sold separately.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CAM TUBE SYSTEM
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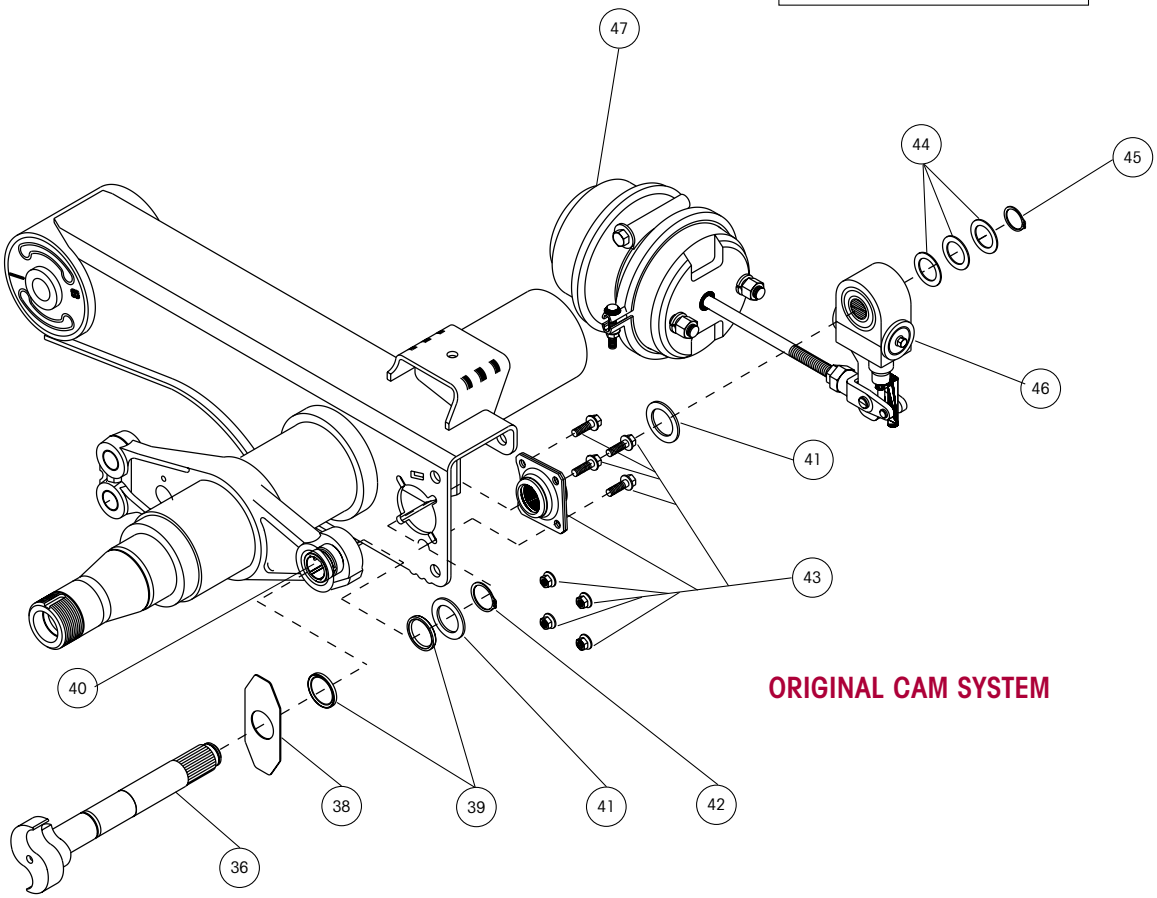
37 Alternate D-Plate Assembly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ORIGINAL CAM SYSTEM
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ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
36	S-CAM[1]			
	Left Hand, 28 Spline	S-24636-1L	1	Standard and HXS®
	Right Hand, 28 Spline	S-24636-1R	1	Standard and HXS
	Left Hand, 10 Spline	S-23857-1L	1	Standard and HXS; not for U.S. use
	Right Hand, 10 Spline	S-23857-1R	1	Standard and HXS; not for U.S. use
37	CAM TUBE REPLACEMENT KIT For AA300 models shipped after 4/23/01 For AA250 models shipped after 5/7/01 For AA230 models shipped after 5/29/01	S-26348	2	Includes cam tube assembly, D-plate(s), retaining ring, washers, screws and nuts
38	OUTER CAM WASHER[2]			Included in axle S-cam major overhaul kits and wheel S-cam major overhaul kits
39	SPIDER SEAL[2]			Included in axle S-cam major overhaul kits and wheel S-cam major overhaul kits
40	SPIDER CAMSHAFT BUSHING[2]			Included in axle S-cam major overhaul kits and wheel S-cam major overhaul kits
41	S-CAM JOURNAL WASHER[2]			Included in axle S-cam major overhaul kits and wheel S-cam major overhaul kits
42	RETAINING RING[2]			Included in axle S-cam major overhaul kits and wheel S-cam major overhaul kits
43	S-CAM SUPPORT BEARING ASSEMBLY	S-25440		Also available with the S-cam major overhaul kits and wheel S-cam major overhaul kits
44	SPLINE INNER WASHER[2]			Included in axle S-cam major overhaul kits and wheel S-cam major overhaul kits
45	SPLINE RETAINING RING[2]			Included in axle S-cam major overhaul kits and wheel S-cam major overhaul kits
46	SLACK ADJUSTER KITS[3] (Per Wheel)			
	28 Spline, Gunite, 5.5"	S-21398-1	2	Includes unhanded autoslack, outer nut and inner sleeve
	28 Spline, Gunite, 6.0"	S-21398-2	2	Includes unhanded autoslack, outer nut and inner sleeve
	28 Spline, Haldex, 5.5"	S-21399-1	2	Includes unhanded autoslack, anchor stud, nut and slack adjuster clevis assembly
	28 Spline, Haldex, 6.0"	S-21399-2	2	Includes unhanded autoslack, anchor stud, nut and slack adjuster clevis assembly
	28 Spline, Meritor, 5.5"	A-22979	2	Includes unhanded autoslack, anchor stud, nut and slack adjuster clevis assembly
	28 Spline, Meritor, 6.0"	A-22980	2	Includes unhanded autoslack, anchor stud, nut and slack adjuster clevis assembly
	28 Spline, Crewson-Brunner, 5.5"	C-26283	2	Includes unhanded autoslack, anchor stud, nut and slack adjuster clevis assembly
	28 Spline, Crewson-Brunner, 6.0"	C-26284	2	Includes unhanded autoslack, anchor stud, nut and slack adjuster clevis assembly
	28 Spline, Crewson-Brunner, 5.5", Long Stroke	C-26287	2	Includes unhanded autoslack, anchor stud, nut and slack adjuster clevis assembly
	28 Spline, Crewson-Brunner, 6.0", Long Stroke	C-26288	2	Includes unhanded autoslack, anchor stud, nut and slack adjuster clevis assembly
	10 Spline, Gunite, 5.5"	S-15191-1	2	Includes unhanded autoslack, outer nut and inner sleeve; not for U.S. use
	10 Spline, Gunite, 6.0"	S-15191-2	2	Includes unhanded autoslack, outer nut and inner sleeve; not for U.S. use

[1] The HXS S-cam is identified by an "HXS" engraved on the spline end.
[2] Part not sold separately.
[3] Picture may not resemble all models.

ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
46	SLACK ADJUSTER KITS[1] (Per Wheel) cont.			
	10 Spline, Haldex, 5.5"	S-15192-1	2	Includes unhanded autoslack, anchor stud, nut and slack adjuster clevis assembly; not for U.S. use
	10 Spline, Haldex, 6.0"	S-15192-2	2	Includes unhanded autoslack, anchor stud, nut and slack adjuster clevis assembly; not for U.S. use
	10 Spline, Meritor, 5.5"	A-22981	2	Includes unhanded autoslack, anchor stud, nut and slack adjuster clevis assembly; not for U.S. use
	10 Spline, Meritor, 6.0"	A-22982	2	Includes unhanded autoslack, anchor stud, nut and slack adjuster clevis assembly; not for U.S. use
	10 Spline, Crewson-Brunner, 5.5"	C-26285	2	Includes unhanded autoslack, anchor stud, nut and slack adjuster clevis assembly; not for U.S. use
	10 Spline, Crewson-Brunner, 6.0"	C-26286	2	Includes unhanded autoslack, anchor stud, nut and slack adjuster clevis assembly; not for U.S. use
	10 Spline, Crewson-Brunner, 5.5", Long Stroke	C-26289	2	Includes unhanded autoslack, anchor stud, nut and slack adjuster clevis assembly; not for U.S. use
	10 Spline, Crewson-Brunner, 6.0", Long Stroke	C-26290	2	Includes unhanded autoslack, anchor stud, nut and slack adjuster clevis assembly; not for U.S. use
47	BRAKE CHAMBER[1] (10" Push Rod)			
	For AAT 23K, 25K, 30K			
	MGM 30/30	S-20837-1	2	
	MGM 24/30	C-22792-1	2	
	MGM 30/30, 6 Year, Long Stroke	C-24225	2	Long Stroke
	MGM 30/30, Std, Long Stroke	C-24247-1	2	Long Stroke
	MGM 30/36	C-24828-1	2	
	Haldex/Midland 30/30	S-20837-2	2	
	Haldex/Midland 24/30	C-22792-2	2	
	TSE 30/30	S-20837-3	2	
	TSE 24/30	C-22792-3	2	
	Carlisle 30/30	S-20837-4	2	
	Carlisle 24/30	C-22792-4	2	
	Carlisle 30/30, Std, Long Stroke	C-24247-4	2	Long Stroke
	For AAEDT 30K			
	MGM 30/30	C-24164-1	2	
	MGM 24/30	C-24163-1	2	
	MGM 30/30, Std, Long Stroke	C-24769-1	2	Long Stroke
	MGM 30/30, 6 Year, Long Stroke	C-24165	2	Long Stroke
	MGM 30/36	C-24829-1	2	
	Haldex/Midland 30/30	C-24164-2	2	
	Haldex/Midland 24/30	C-24163-2	2	
	TSE 30/30	C-24164-3	2	
	TSE 24/30	C-24163-3	2	
	Carlisle 30/30	C-24164-4	2	
	Carlisle 24/30	C-24163-4	2	
	Carlisle 30/30 Std, Long Stroke	C-24769-4	2	Long Stroke
48	CLAMP-ON DUST SHIELD[1]			
	Sealed	S-23579/2	1	Not shown
	Unsealed	S-25160/2	1	

[1] Picture may not resemble all models.

ITEM	DESCRIPTION	PART NO.	QTY.
	BRAKE SHOE KITS		
	All kits contain 2 lined brake shoes, 2 brake shoe rollers, 2 roller retainers and 2 return spring pins.		
	Standard Service 16.5" x 7"		
	Abex 3030-197	S-21266-1	
	Carlisle MB21	S-21266-2	
	Haldex 2015-2	S-21266-4	
	Haldex 2020-1	S-21266-6	
	BrakePro CM-18	S-21266-7	
	Abex 931-162	S-21266-8	
	HXS® Extended Service 16.5" x 7"		
	Abex 3030-197	S-23750-1	
	Abex ULTRAA 20	S-23750-2	
	Abex 931-162	S-23750-3	
	Carlisle MB21	S-23750-4	
	Carlisle CF2000	S-23750-5	
	HXS Extended Service 16.5" x 8.62"		
	Abex 3030-197	S-23751-1	
	Abex ULTRAA 20	S-23751-2	
	Abex 931-162	S-23751-3	
	Carlisle MB21	S-23751-4	
	Carlisle CF2000	S-23751-5	
	BRAKE OVERHAUL KITS		
	ALL STANDARD BRAKES, MINOR OVERHAUL KIT (Per Wheel)	S-21183	
	Anchor Pin		2
	Anchor Pin Bushing		2
	Brake Retaining Spring		2
	Brake Shoe Roller		2
	Roller Retainer		2
	Return Spring Pin		2
	Brake Return Spring, Standard		1
	ALL HXS BRAKES, MINOR OVERHAUL KIT (Per Wheel)	S-23752	
	Anchor Pin		2
	Anchor Pin Bushing		2
	Brake Retaining Spring		2
	Brake Shoe Roller		2
	Roller Retainer		2
	Return Spring Pin		2
	Brake Return Spring, HXS		1

ITEM	DESCRIPTION	PART NO.
	BRAKE OVERHAUL KITS - MAJOR OVERHAUL	
	All kits contain 2 lined brake shoes, 2 brake shoe rollers, 2 roller retainers, 2 return spring pins 2 anchor pins, 2 anchor pin bushings, 1 brake return spring and 2 brake retaining springs.	
	Standard Service 16.5" x 7"	
	Abex 3030-197	S-21184-1
	Carlisle MB21	S-21184-2
	Haldex 2015-2	S-21184-4
	Haldex 2020-1	S-21184-6
	BrakePro CM-18	S-21184-7
	Abex 931-162	S-21184-8
	HXS® Extended Service 16.5" x 7"	
	Abex 3030-197	S-23753-1
	Abex ULTRAA 20	S-23753-2
	Abex 931-162	S-23753-3
	Carlisle MB21	S-23754-4
	Carlisle CF2000	S-23753-5
	HXS Extended Service 16.5" x 8.625"	
	Abex 3030-197	S-23754-1
	Abex ULTRAA 20	S-23754-2
	Abex 931-162	S-23754-3
	Carlisle MB21	S-23754-4
	Carlisle CF2000	S-23754-5
	BRAKE CONVERSION TO HXS WITH S-CAM[1]	
	16.5" x 7", HXS, ABEX 3030-197, FMSI 4707	S-23756-1
	16.5" x 8.625", HXS, ABEX 3030-197, FMSI 4711	S-23757-1
	Kits contain: 2 Outer Cam Washers, 2 Brake Return Springs, 4 Lined Brake Shoes, 4 Brake Shoe Rollers, 4 Roller Retainers, 4 Return Spring Pins and 2 S-cams.	
	BRAKE CONVERSION TO HXS WITHOUT S-CAM[1]	
	All kits contain 4 lined brake shoes, 4 brake shoe rollers, 4 roller retainers, 4 return spring pins and 2 brake return springs.	
	HXS Extended Service 16.5" x 7"	
	Abex 3030-197	S-25823-1
	Abex ULTRAA 20	S-25823-2
	Abex 931-162	S-25823-3
	Carlisle MB21	S-25823-4
	Carlisle CF2000	S-25823-5
	HXS Extended Service 16.5" x 8.62"	
	Abex 3030-197	S-25824-1
	Abex ULTRAA 20	S-25824-2
	Abex 931-162	S-25824-3
	Carlisle MB21	S-25824-4
	Carlisle CF2000	S-25824-5

[1] The HXS S-cam is identified by an "HXS" engraved on the spline end.

ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
	S-CAM OVERHAUL KITS[1]			
	AXLE S-CAM MAJOR OVERHAUL KIT FOR UNITS SHIPPED BEFORE 11/24/97 (Per Axle)	S-21181		For AA230TA/TB and AA250TA/TB
42	Spider Retaining Ring		2	
45	Spline Retaining Ring		2	
41	S-cam Journal Washer		4	
40	Spider Camshaft Bushing		2	
38	Outer S-cam Washer		2	
43	S-cam Support Bushing Assembly		2	
39	Spider Seal		4	
44	Spline Inner Washer		6	
31	Roller Retainer		2	
	AXLE S-CAM MAJOR OVERHAUL KIT FOR UNITS SHIPPED AFTER 11/24/97 (Per Axle) **Rev C**	S-23974		For INTRAAX® modelsAA230TC, AAT250TC, AA300T, AA300EDT and model numbers AAT 23K, 25K, 30K and AAEDT30K
30	Spider Retaining Ring		2	
33	Spline Retaining Ring		2	
29	S-cam Journal Washer		4	
28	Spider Camshaft Bushing		2	
26	Outer S-cam Washer		2	
31	S-cam Support Bushing Assembly		2	
27	Spider Seal		4	
32	Spline Inner Washer		6	
31	Roller Retainer		2	
	WHEEL S-CAM MAJOR OVERHAUL KIT FOR UNITS SHIPPED BEFORE 11/24/97 (Per Wheel) **Rev B**	S-21181/2		For AA230TA/TB and AA250TA/TB
30	Spider Retaining Ring		1	
33	Spline Retaining Ring		1	
29	S-cam Journal Washer		2	
28	Spider Camshaft Bushing		1	
26	Outer S-cam Washer		1	
31	S-cam Support Bushing Assembly		1	
27	Spider Seal		2	
32	Spline Inner Washer		3	
31	Roller Retainer		1	
	WHEEL S-CAM MAJOR OVERHAUL KIT FOR UNITS SHIPPED AFTER 11/24/97 (Per Wheel) **Rev C**	S-23974/2		For INTRAAX models AA230TC, AAT250TC, AA300T, AA300EDT and model numbers AAT 23K, 25K, 30K & AAEDT 30K
30	Spider Retaining Ring		1	
33	Spline Retaining Ring		1	
29	S-cam Journal Washer		2	
28	Spider Camshaft Bushing		1	
26	Outer S-cam Washer		1	
31	S-cam Support Bushing Assembly		1	
27	Spider Seal		2	
32	Spline Inner Washer		3	
31	Roller Retainer		1	

[1] The HXS S-cam is identified by an "HXS" engraved on the spline end.

Trailer Suspension Systems
2070 Industrial Place SE
Canton, OH 44707-2600 USA
866.RIDEAIR (866.743.3247)
330.489.0045
Fax 800.696.4416

HENDRICKSON

Trailer Suspension Systems
250 Chrysler Drive, Unit #3
Brampton, ON L6S 6B6 Canada
905.789.1030
Fax 905.789.1033

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www.hendrickson-intl.com

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