

martec



international

Suspensions & Brakes

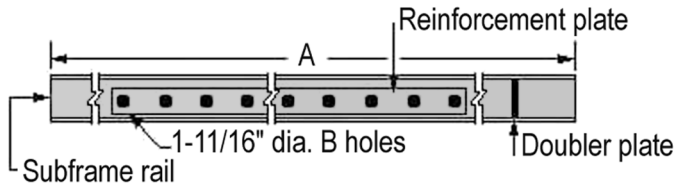


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9.1 Fruehauf Suspensions & Components

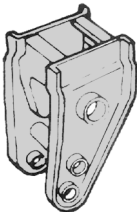
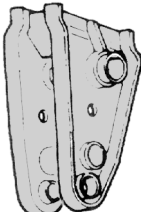
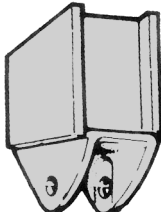
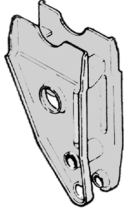
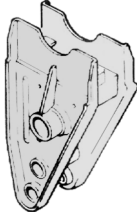
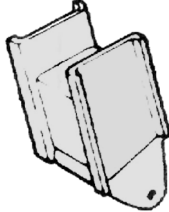
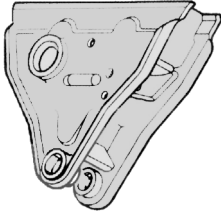
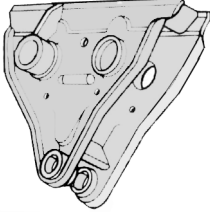
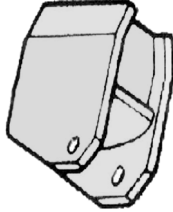
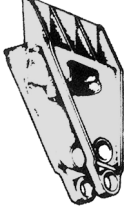
9.1.1: FRUEHAUF UPPER SLIDE RAILS



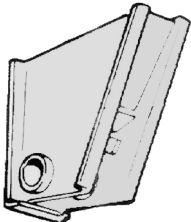
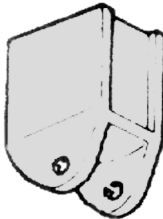
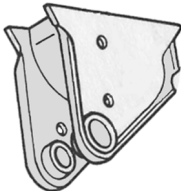
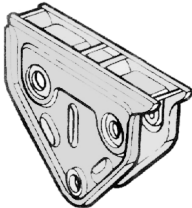
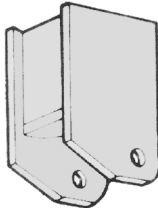
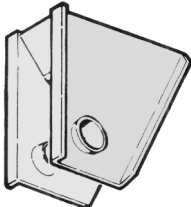
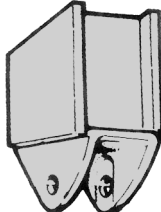
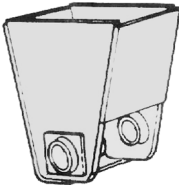
Part Number	Description	A	Crossmember	Type
FRUFAS1016-1	Subframe Rail Kit*	186"	4"	Universal
FRUFAS1016-2	Subframe Rail Kit*	214"	4"	Universal
FRUFAS1016-3	Subframe Rail Kit*	247"	4"	Universal
FRUFAS1016-4	Subframe Rail Kit*	186"	3"	R/S
FRUFAS1016-5	Subframe Rail Kit*	186"	3"	C/S
FRUFAS1016-6	Subframe Rail Kit*	214"	3"	R/S
FRUFAS1016-7	Subframe Rail Kit*	214"	3"	C/S
FRUFAS1016-8	Subframe Rail Kit*	247"	3"	R/S
FRUFAS1016-9	Subframe Rail Kit*	247"	3"	C/S

* Kit consists of:
1 Rail
1 Doubler Plate
1 Reinforcement Plate

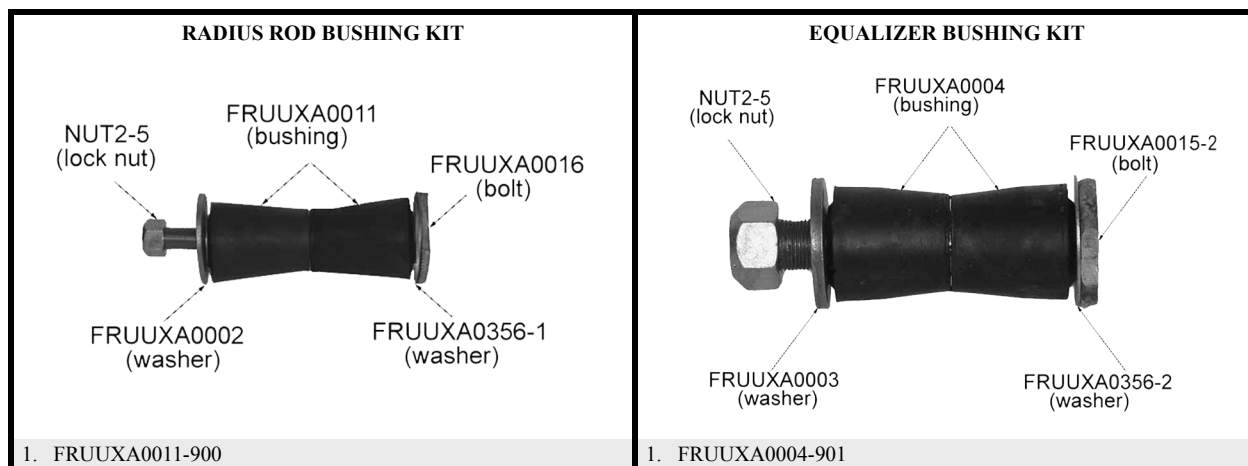
9.1.2: FRUEHAUF HANGERS

FRONT HANGER	EQUALIZER HANGER	REAR HANGER
Under Mount		
 1. FRUUCF2467-1	 1. FRUUXA0034 2. FRUUXA0034-900 Reinforced	 1. FRUUCF2470-1
Straddle Mount		
 1. FRUUCF2473-1	 1. FRUUXA0021	 1. FRUUCF2471-1
Wide Base		
 1. FRUUCF1466-1	 1. FRUUCE7746-1	 1. FRUUCF5858-1
Cast		
 1. FRUUXA0066* LH 2. FRUUXA0066-1* RH	 1. FRUUXA0067 LH 2. FRUUXA0067-1 RH	 1. FRUUXA0065 LH 2. FRUUXA0065-1 RH

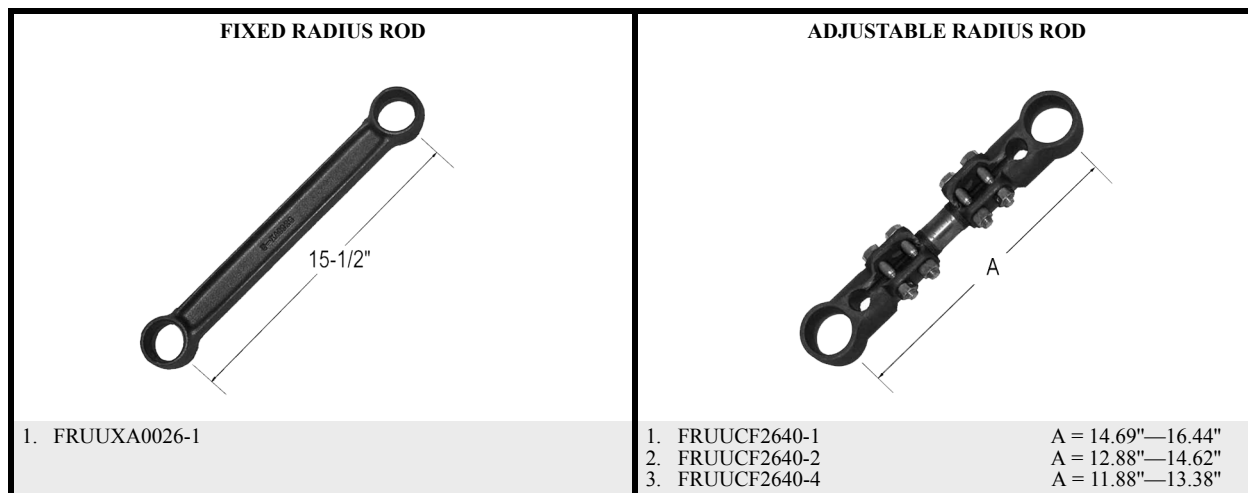
*No longer available, for service reference only

FRONT HANGER		EQUALIZER HANGER	REAR HANGER
J-2 Suspension Hanger			
			
1. FRUUCE4169-2		1. FRUUXA0017	1. FRUUCE7745-2
FI-1 & Nf-2 Suspension Hanger			
			
1. FRUUCF6668-1		1. FRUUCF6672-1	1. FRUUCF5858-2
W-1 Suspension			
			
1. FRUUCC8925-1		None Needed	1. FRUUCF2470-1
T Suspensions			
			
1. FRUUCE1177-1 2. FRUUCE1177-2	R/S C/S	None Needed	None Needed

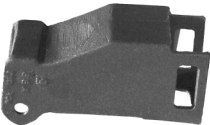
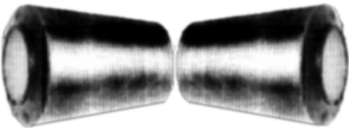
9.1.3: FRUEHAUF BUSHING KIT



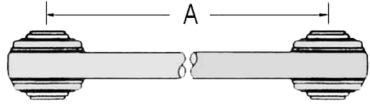
9.1.4: FRUEHAUF RADIUS RODS



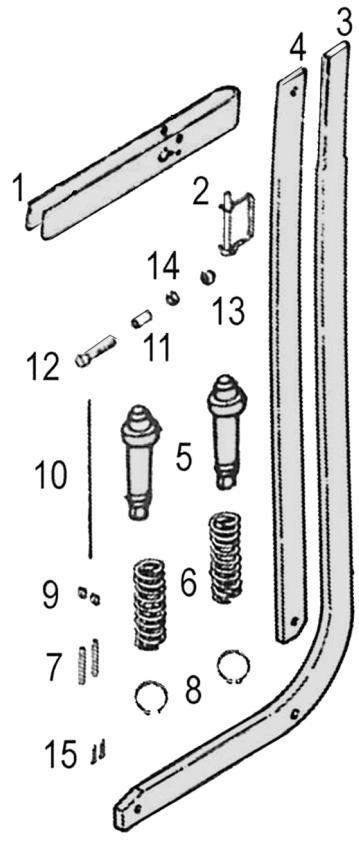
9.1.5: FRUEHAUF EQUALIZERS & EQUALIZER BUSHINGS

Cast Equalizer  1. FRUUXA0017	Ductile Equalizer  1. FRUUCF6963-1	NF Equalizer  1. FRUUCF8317-1 2. FRUUCF8317-2 Flame hardened
Equalizer End  1. FRUUCF1757-1	NF2 Equalizer  1. FRUUVA0116-1	NF Bushing  1. FRUUCF6699-1
Wide Sread Equalizer  1. FRUUXA0049		Bushing  1. FRUUCF6703-1
Bushing  1. FRUUXA0004		

9.1.6: FRUEHAUF STABILIZER ARM ASSEMBLY

Part Number	Description	Figure
FRUFCF8248-1	A = 18"	
FRUFCF8248-2	A = 21"	
FRUFCF8248-3	A = 26-1/2"	
FRUFCF8248-4	A = 32-1/2"	
FRUFCF8248-6	A = 35-1/2"	
FRUFCF8248-901	A = Universal over 30"	
FRUFCF8248-902	A = Universal under 30"	

9.1.7: FRUEHAUF SLIDER FRAME LOCKING MECHANISM & COMPONENTS

Part Number	Qty.	Description	Item	Figure
FRUFCF1019-900	1	Complete kit		
FRUUF5549-3	1	Lock lever guide	1	
FRUCC6016-PK1	1	Lock pin	2	
FRUFCF4746-1	1	Lever	3	
FRUFXA0798-2	1	Universal crossbar	4	
FRUFCF6457-1	2	Lock pin	5	
FRU586192	2	Lock pin spring	6	
FRUFCF6458-1	2	Retaining ring	7	
FRUFCD2530-1	2	Pin	8	
FRUXCA0396	2	Sleeve	9	
FRUACD6608-1	1	Cable	10	
FRUZCE7064-2	1	Sleeve	11	
BLT1-201	1	3/8" Hex bolt	12	
NUT2-20	1	3/8" Nut	13	
WSH2-135	1	3/8" Washer	14	
PIN1-1	2	Cotter pin	15	

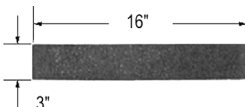
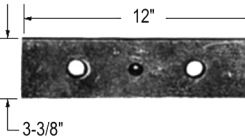
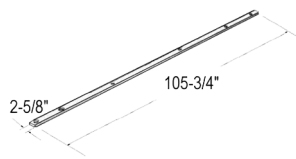
9.1.8: FRUEHAUF SUSPENSION LOCK PIN KIT

Part Number	Qty.	Description	Item	Figure
FRUFCF6457-901	1	Complete kit		
FRUFCF6457-1	1	Lock pin	1	
FRU586192	1	Spring	2	
FRUFCF2530-1	1	Lock pin	3	
PIN1-1	1	Cotter pin	4	
FRUFCF6458-1	1	Spring ring	5	

9.1.9: FRUEHAUF SLIDER PAD KIT

Part Number	Qty.	Description	Item	Figure
FRUFCF6097-900	1	Complete kit		
FRUBXE1152	4	Rail guide	1	
FRUFCF6097-1	2	Slider pad	2	
FRUFCF6098-1	12	Slider pad retainers	3	
FRUFCF6892-1	2	Guide	4	

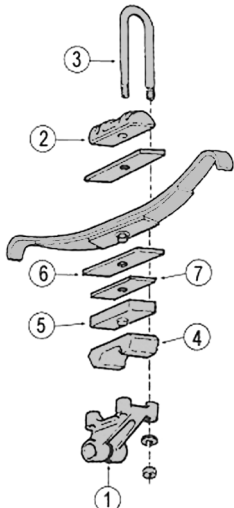
9.1.10: FRUEHAUF SLIDER PADS

Slider Plate	Slider Plate	Dri-Slide Pad	Slider Pad
			
1. FRUFCE4790-2	1. FRUFXA0803-1	1. FRUFAA9083-1	1. FRUFCF6097-1

9.1.11: FRUEHAUF SHOCKS & SHOCK ACCESSORIES

Part Number	Description	Figure
FRUUCE1295-1	T-Suspension	
FRUUCF8339-1	NT-Suspension	
FRUUCF8339-2B	Replacement bushing	
FRUUCF8339-2S	NT-Replacement sleeve	

9.1.12: FRUEHAUF SINGLE AXLE RISER KIT (F-TYPE SUSPENSIONS)

Part Number	Qty	Description	Item	Figure
FRUAXA0495-1	2	Axle bracket for 49" spread	1	
FRUUCC4921-1	2	Axle bracket for 13-1/2" & 15" drop frames & 6" wedge vans		
FRUUCC4920-1	2	Axle bracket for all single & 3 leaf springs for 42" & 44-1/2" axle spreads		
FRUUCC5998-1	2	U-bolt & spring saddle	2	
FRUUXA0046-XXX	2	U-bolt kit—see section 11.10	3	
FRUAXA0512-1	2	Spring chair	4	
FRUUCD4502-1	1	Spacer—3/4"	5	
FRUUXA0048	1	Spacer—1-1/2"		
FRUUCC4365-1	2	Single spring only 1/8" steel plate	6	
STADL295	4	Spring liner	7	

9.1.13: FRUEHAUF RISER KIT FOR ROUND AXLES

Spring Part Number	Leafs	U/C Height	U-Bolt	Riser Kit Part Number
FRUUCA0102	7	16-9/16"	FRUUXA0046-901	FRUUCB2246-900
FRUUCA0104	7	14-1/16"	FRUUXA0046-901	FRUUCB2246-900
FRUUCA0103	8	17-1/16"	FRUUXA0046-901	FRUUCB2246-902
FRUUCA0105	8	14-9/16"	FRUUXA0046-901	FRUUCB2246-902

9.1.14: FRUEHAUF RISER KITS FOR F-TYPE SUSPENSIONS & SINGLE SQUARE AXLES

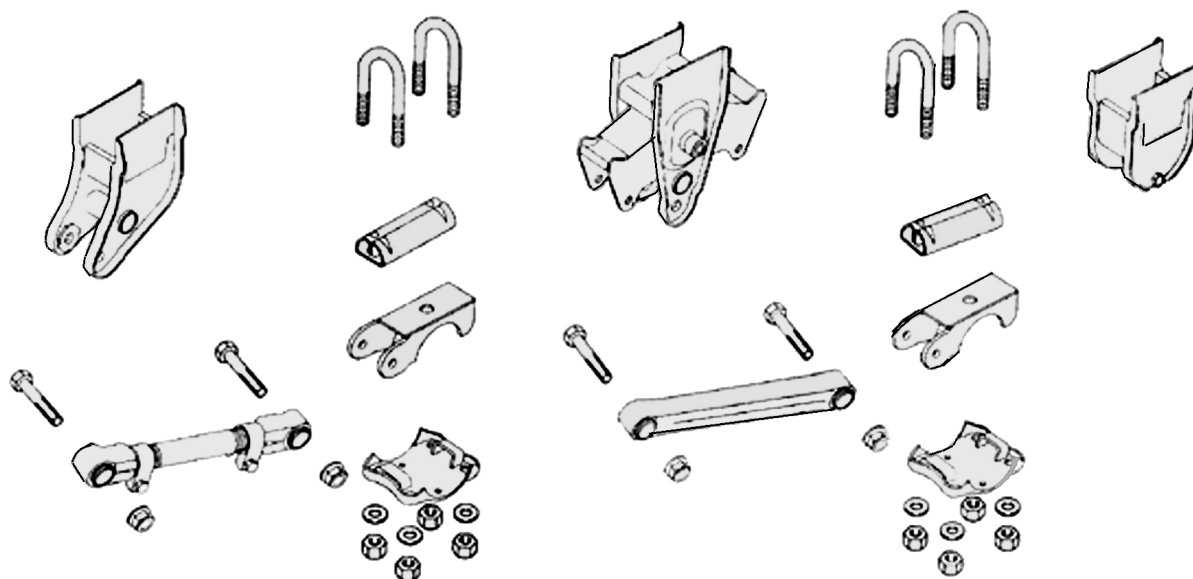
Spring Part Number	Leafs	U/C Height	U-Bolt Kit	Riser Kit Part Number
FRUUXA0178	1	14-3/8"	FRUUXA0046-917	FRUUCB4319-921
FRUUCD8315-1	1	14-3/8"	FRUUXA0046-917	FRUUCB4319-921
FRUUXA0186	1	15-9/16"	FRUUXA0046-917	FRUUCB4319-905
FRUUCF8431-1	1	13"	FRUUXA0046-901	FRUUCB4319-901
FRUUCF6820-1	1	14-3/4"	FRUUXA0046-901	FRUUCB4319-901
FRUUCF6820-1	1	17-1/8"	FRUUXA0046-918	FRUUCB4319-905
FRUUCD0511-1	3	15-1/2"	FRUUXA0046-917	FRUUCB4319-915
FRUUCD0511-1	3	14-3/4"	FRUUXA0046-901	FRUUCB4319-900
FRUUXB0201	4	16-5/16"	FRUUXA0046-917	FRUUCB4319-915
FRUUXB0201	4	16-3/16"	FRUUXA0046-917	FRUUCB4319-901
FRUUCA0102	7	16-9/16"	FRUUXA0046-917	FRUUCB4319-901
FRUUCA0104	7	14-1/16"	FRUUXA0046-917	FRUUCB4319-901
FRUUXA0252	9	16-9/16"	FRUUXA0046-918	FRUUCB4319-913

9.2 Hutch 9700 Suspension Kits



9.2.1: HUTCH 9700 SUSPENSION KITS

9.2.1.1: EXPLODED VIEW OF HUTCH 9700 SUSPENSION KIT



9.2.1.2: DETAIL OF HUTCH 9700 SUSPENSION KIT

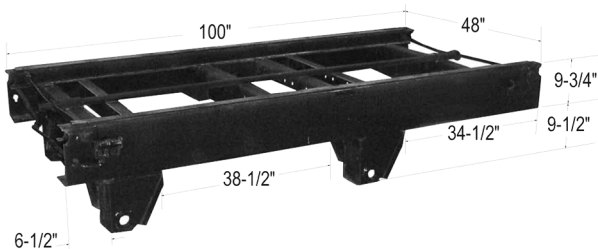
Part Number	Type Hanger	Type Axle	Spring Seat Height	Comments
HUTH9700SU	Under mount	5" Round	3/4"	Fabricated single
HUTH9700T	Straddle mount	5" Round	3/4"	Fabricated tandem
HUTCH9700T-3.25	Straddle mount	5" Round	3-1/4"	Cast tandem
HUTH9700TU-.75	Under mount	5" Round	3/4"	Fabricated tandem
HUTH9700TU-1.25	Under mount	5" Round	1 1/4"	Fabricated tandem
HUTH9700TU-UM	Under mount	5" Round	3/4"	Fabricated tandem
HUTH9700TRI/U	Under mount	5" Round	3/4"	Fabricated tri-axle underslung

Note: Springs are not included in suspension kits
Other kits are available

9.3 Hutch Slider & Subframe Components

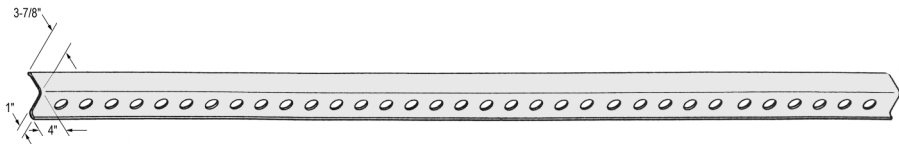


9.3.1: HUTCH 9800 SUBFRAME WITH RL196-14 HANGERS



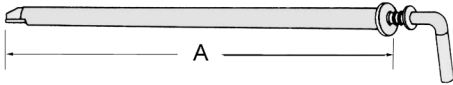
Part Number	Description
MTR09300497	8900 subframe assembly includes: 4 pin slider, slider pads & clamps

9.3.2: HUTCH SLIDER RAILS

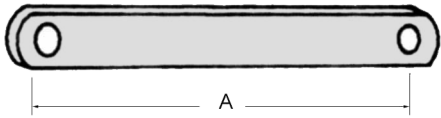
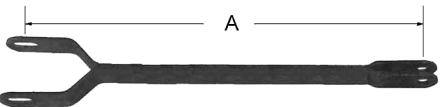


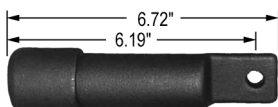
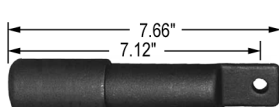
Part Number	Thickness	Length
HUT12713-05	.229"	176"
HUT12713-17	.229"	240"
HUT16816-13	.275"	192"
HUT16816-19	.275"	216"

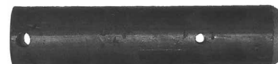
9.3.3: HUTCH STOP BARS

Part Number	Frame Width	Application	Figure
HUT11485-14	42"	H8200 before 7/92	
HUT11485-15	48"	H8200 before 7/92	
HUT11485-19	46"	H8200 before 7/97	
HUT11641-07	44"	H8500	
HUT11642-05	42"	H8200 after 7/92	
HUT11642-07	48"	H8200 after 7/92	
HUT11642-09	42"	H98200/H9810	
HUT11642-10	48"	H9800/H9810	

9.3.4: HUTCH MISCELLANEOUS SLIDER COMPONENTS

Part Number	A	Description	Figure
HUT11412-02	11.62"	Link	
HUT11412-04	13.62"	Link	
HUT11412-07	19.62"	Link	
HUT11412-09	11.38"	Link	
HUT11412-16	17.62"	Link	
HUT11412-35	10.87"	Link	
HUT11412-36	16.81"	Link	
HUT8032-07	14-1/2"	Link Puller	
HUT8032-08	15-1/2"	Link Puller	
HUT8032-09	16-1/2"	Link Puller	
HUT8032-10	17-1/2"	Link Puller	

		
1. HUT12716-01 Lock pin	1. HUT16006-01 Lock pin	1. HUT18426-01 Lock pin

		
1. HUT9611-01 Lock pin	1. HUT10864-01 Compression spring	1. HUT8018-01 8-5/8" Handle retention spring 2. HUT8018-02 10-5/8"

		
1. HUT11411-00 Pull handle	1. HUT8035-00 1/8" Steel washer	1. HUT8019-01 Slider pad 2" x 11" 2. HUT12818-01 4" x 5.5"

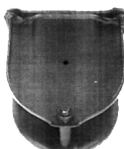
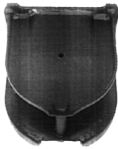
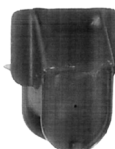
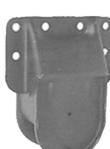
9.3.5: HUTCH ROLLER SLIDER PARTS

		
1. HUT8050-00 Roll pin	1. HUT9249-00 Roller shaft	1. HUT8426-01 Roller for roll slider

9.3.6: HUTCH SLIDER HOLD DOWN CLIPS

		
1. HUT12715-01 Hold down clip	1. HUT20289-01	1. HUT9635-03 Slider hold down kit

9.3.7: HUTCH HANGERS

FRONT HANGER		CENTER HANGER		REAR HANGER	
Straddle Mount					
					
1. HUT7701-01		1. HUT7702-01		1. HUT7703-01	
Under Mount					
					
1. HUT7701-02		1. HUT7702-02		1. HUT7703-02	
Side Mount					
					
1. HUT7701-03	LH	1. HUT7702-03		1. HUT7703-03	LH
2. HUT7701-04	RH			2. HUT7703-04	RH
Flange Mount (Weld On)					
					
1. HUT7701-05	LH			1. HUT7703-05	LH
2. HUT7701-06	RH			2. HUT7703-06	RH
Flange Mount (Bolt On)					
					
1. HUT7701-07	LH	1. HUT7702-05		1. HUT7703-07	LH
2. HUT7701-08	RH			2. HUT7703-08	RH

9: Suspensions

9.4 Hutch Suspension Parts



9.4.1: HUTCH 9700 EQUALIZER HANGERS

STRADDLE MOUNT	UNDER MOUNT	SIDE MOUNT
		
1. HUT16169-01	1. HUT16171-01	1. HUT16175-01

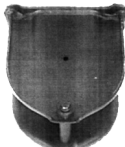
9.4.2: HUTCH CH9700 HANGERS

FRONT HANGER	CENTER HANGER	REAR HANGER
Under Mount		
		
1. HUT16291-03 2. HUT16291-04	1. HUT16319-52	1. HUT16293-01 2. HUT16293-02
LH RH		LH RH
Side Mount		
		
1. HUT16291-03 1. HUT16291-04	1. HUT16319-52	1. HUT16293-01 1. HUT16293-02
LH RH		LH RH

FOR OVERSLUNG & UNDERSLUNG SUSPENSIONS

STRADDLE MOUNT CENTER HANGER	UNDER MOUNT CENTER HANGER
	
1. HUT16180-01	1. HUT16181-01

9.4.3: HUTCH 7600 HANGERS

FRONT HANGER	CENTER HANGER	REAR HANGER
Straddle Mount		
		
1. HUT7601-01	1. HUT7602-01	1. HUT7703-01
Under Mount		
		
1. HUT7601-02	1. HUT7602-02	1. HUT7703-02

9.4.4: HUTCH H9700 WIDE SPREAD ROCKER GUIDE

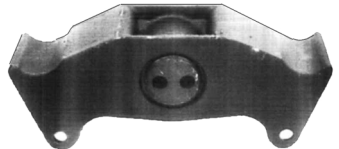
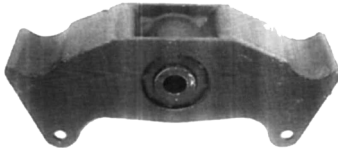
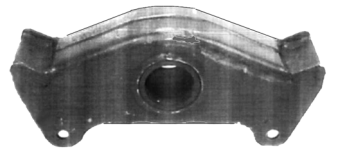
STRADDLE MOUNT	UNDER MOUNT	
		No Picture Available
1. HUT7707-03	1. HUT7707-04 for 61"-67" beams	1. HUT7707-10 for 73"-109" beams

9.4.5: HUTCH EQUALIZER & HANGERS ASSEMBLIES

H9700 STRADDLE MOUNT	H9700 UNDER MOUNT
	
1. HUT16319-01 Assembly	1. HUT16319-02 Assembly

9.4.6: HUTCH EQUALIZERS, BUSHINGS, & KITS

9.4.6.1: HUTCH EQUALIZERS

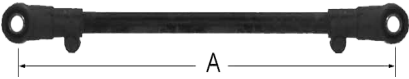
H7700 with bushings  1. HUT750-03	H9700 with bushings  1. HUT16158-01	CH7700 with bushings  1. HUT19137-01 Cast 7700
CH9700 with bushings  1. HUT17784-01 Cast 9700	CH9700 with bushings  1. HUT16159-03	CH7600 with bushings  1. HUT7750-02
Widespread Equalizers with bushings  1. HUT9239-02 24" Axle centers 2. HUT9239-04 73" Axle center 3. HUT9239-08 85" Axle centers 4. HUT9239-10 109" Axle centers		 1. HUT10385-05 54-1/2" Axle centers

9.4.6.2: HUTCH EQUALIZER BUSHINGS & KITS

H7700 	H7700  Kit consists of: 2—HUT7016-01 Bolts 1—HUT729-00 Double Lock Washer 4—HUT37-03 Nuts 2—HUT759-00 Bolts 2—HUT756-00 Spacers
1. HUT7010-00 Equalizer bushing	1. HUT10287-01 Equalizer bolt kit
H9700 	H9700  Kit consists of: 1—HUT16150-01 Bolt 2—HUT837-00 Washers 1—HUT11154-00 Nut 2—HUT759-00 Bolts 2—HUT756-00 Spacers 2—HUT37-03 Nuts
1. HUT18723-01 Equalizer bushing	1. HUT16353-01 Equalizer bolt kit

9.4.7: HUTCH RADIUS ROD ARMS & KITS

9.4.7.1: HUTCH 7700/9700 ADJUSTABLE RADIUS ROD ARMS

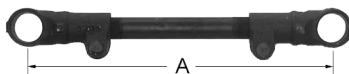


Part Number	A	Bushing	LH	RH
HUT16398-01	14"	HUT722-00	HUT16748-01	HUT16748-02
HUT16398-02	16"	HUT722-00	HUT16748-01	HUT16748-02
HUT16398-03	16-5/8"	HUT722-00	HUT16748-01	HUT16748-02
HUT16398-04	19-1/4"	HUT722-00	HUT16748-01	HUT16748-02
HUT16398-06	21-1/2"	HUT722-00	HUT16748-01	HUT16748-02
HUT16398-08	23-1/2"	HUT722-00	HUT16748-01	HUT16748-02
HUT16398-09	25"	HUT722-00	HUT16748-01	HUT16748-02
HUT16398-12	29-1/4"	HUT722-00	HUT16748-01	HUT16748-02
HUT16398-17*	17"	HUT722-00	HUT16748-01	HUT16748-02
HUT16164-13	30-3/4"	HUT722-00	HUT16748-01	HUT16748-02

*Replacement for Trailmobile 3-A11-65A

9.4.7.2: HUTCH 7700/9700 FIXED RADIUS ROD ARMS


Part Number	A	Bushing
HUT715-00	19-1/4"	HUT722-00
HUT9015-00	17"	HUT722-00

9.4.7.3: HUTCH 7600 ADJUSTABLE RADIUS ROD ARM LESS BUSHING


Part Number	A	Bushing
HUT16167-04	19-1/4"	HUT7620-00

9.4.7.4: HUTCH 7600 FIXED RADIUS ROD ARM LESS BUSHING


Part Number	A	Bushing
HUT11953-01	19-1/4"	HUT7620-00

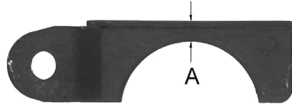
9.4.7.5: HUTCH 7700/9700 RADIUS ROD ARM REPLACEMENT ENDS

Part Number	Description	
HUT16748-01	LH END	
HUT16748-02	RH END	

9.4.7.6: HUTCH 7700/9700 RADIUS ROD ARM REPLACEMENT BUSHING


Part Number	Qty	Description
HUT10562/72200/71902	Kit	Kit
HUT719-02	1	Bolt 1"—14 UNSX 5"
HUT722-00	1	Bushing
HUT10562-00	1	Flange locknut 1"—14 UNS

9.4.7.7: HUTCH 7700/9700 SPRING SEATS



5" Round Axle

Part Number	A
HUT705-01	3/4"
HUT705-02	1-1/4"
HUT705-03	1-3/4"
HUT705-04	2-1/4"
HUT705-05	2-3/4"
HUT705-06	3-1/4"
HUT705-07	3-3/4"
HUT705-08	4-1/4"
HUT705-09	4-3/4"



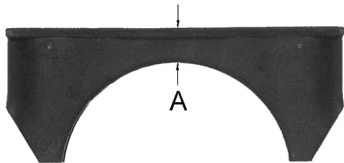
5" Square Axle

Part Number	A
HUT19365-01	3/4"
HUT7757-02	1-1/4"
HUT7757-03	1-3/4"

4" x 6" Square Axles

Part Number	A
HUT7725-01	3/4"
HUT7725-02	1-1/4"
HUT7725-03	1-3/4"
HUT7725-04	2-1/4"
HUT7725-05	2-3/4"

9.4.7.8: HUTCH 7700/9700 NO-HOP OPTION



5" Round Spring Seat

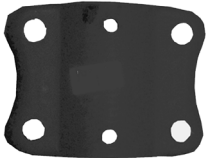
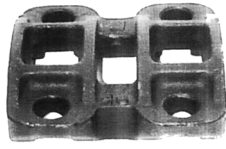
Part Number	A
HUT301-01	3/4"
HUT301-03	1-3/4"
HUT301-06	3-1/4"
HUT301-08	4-1/4"



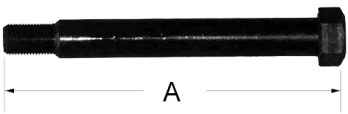
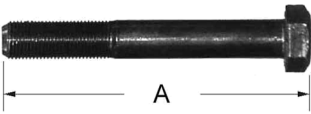
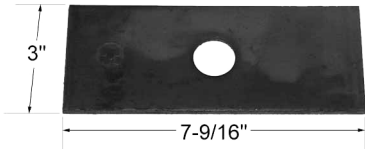
Bottom Plate

Part Number	Axle Type
HUT7738-00	4" x 6"
HUT10775-00	5" Round

9.4.7.9: HUTCH MISCELLANEOUS AXLE PARTS

7600 Axle seat 5" round axle  1. HUT7617-01 3/4" Top Plate  1. HUT16868-01 Bottom Plate 5" Round Axle  1. HUT16297-01	7700/9700 Bottom plate 5" round axle  1. HUT710-00 Top Plate  1. HUT9202-00 Bottom Plate 4" x 6" Axle  1. HUT7746-00	CH7700 Bottom plate  1. HUT7747-01 5" Square CH7700 Bottom Plate Underslung  1. HUT706-01
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9.4.8: HUTCH MISCELLANEOUS SUSPENSION PARTS

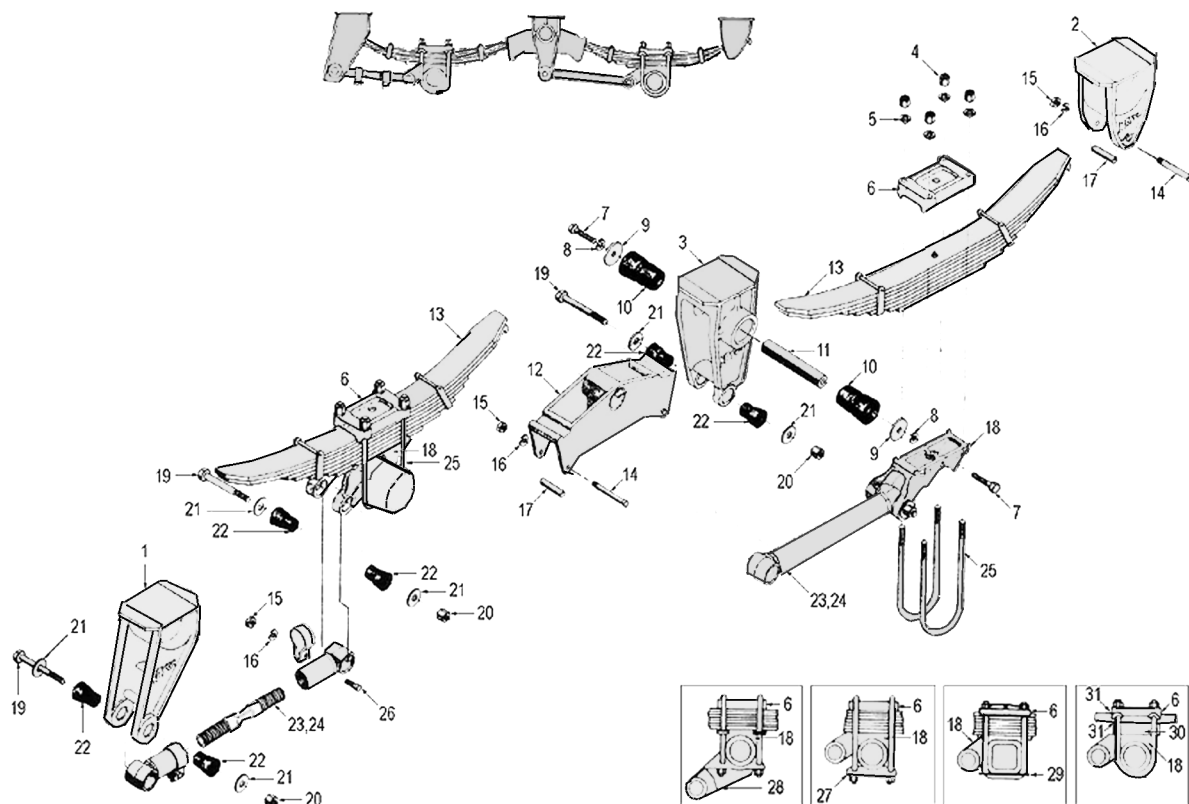
Hex Bolts 1"—14 UNS  A 1. HUT719-02 A = 5" 2. HUT719-03 A = 5-3/8" 3. HUT719-04 A = 6"	Hex Bolts 5/8"—18  A 1. HUT759-00 A = 4-1/2" 2. HUT7016-01 A = 6	Hanger bushing  1. HUT7717-01
Flange Nut  1. HUT10562-00 1-14 UNS	Hex Nuts  1. HUT37-03 5/8" - 18	Bushing  1. HUT222-00
Spacer Block  3" 7-9/16" 1. HUT7030-00 1/4" Steel	Hanger Wear Plate  1. HUT755-03	Adjusting Plate  1. HUT10608-00

9.5 Reyco Suspensions & Components

9.5.1: REYCO 21B SUSPENSION



9.5.1.1: EXPLODED VIEW OF REYCO 21B SUSPENSION



Use:

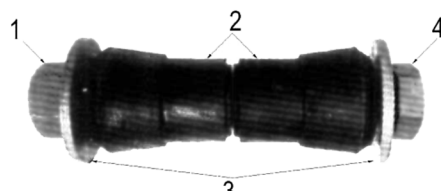
- TK16658 to rebush (1) End of Torque Arm
- TK7319 to rebush (4) Torque Arms (Tandem)
- REYTK18998 to rebush (1) Equalizer
- REYTK12506 to rebush (2) Equalizers

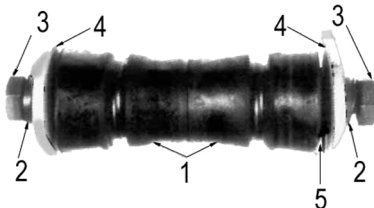
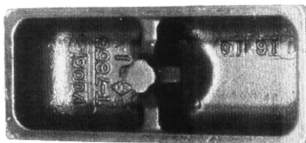
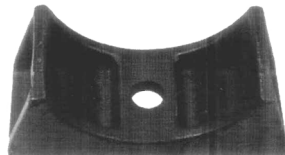
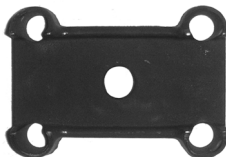
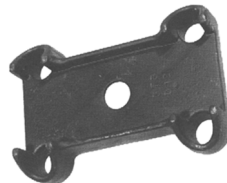
9.5.1.2: DETAIL OF REYCO 21B SUSPENSION

Item Number	Part Number	Description	Number Required
1	REYT5425—REYT5424	Front Hanger LH—RH	1
	REYT5563—REYT5563	Front Hanger LH—RH	1
2	REYT5429—REYT5428	Rear Hanger LH—RH	1
	REYT5565—REYT5566	Rear Hanger LH—RH	1
	08595-01	Rear Hanger LH, RH	2

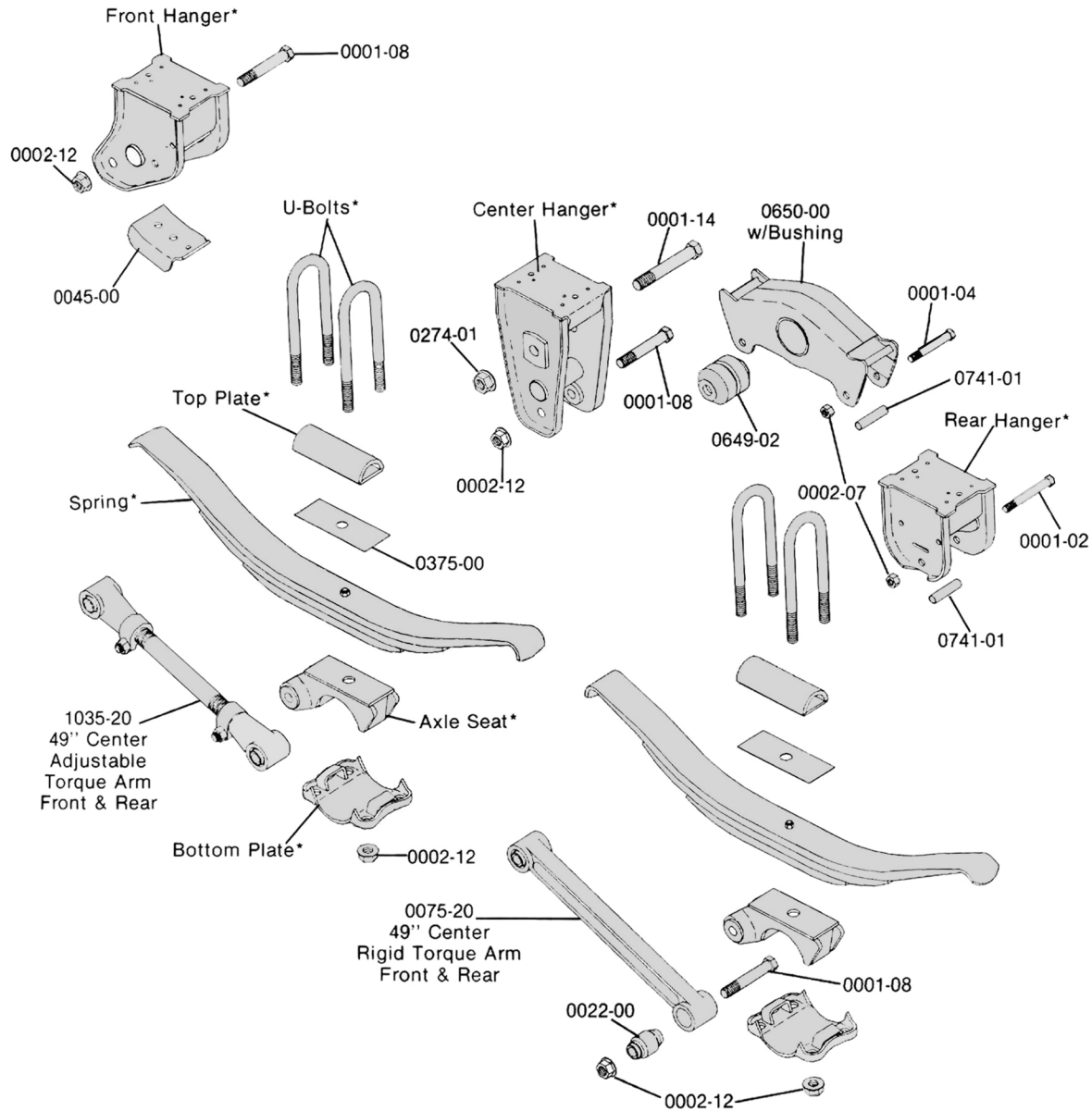
3	REYT5426	Equalizer Bracket	2
	REYT5564	Equalizer Bracket	2
4	T5497	Nut—U-Bolt 3/4"	16
5	T5496	Washer—U-Bolt 3/4"	16
6	REY11760-01	Top Plate—all axles	4
	T5488	To Plate—5" Round	4
	09987-01	Top Plate—4" x 6" axle	4
	REYT1734	Top Plate—5" x 5" axle	4
7	REY14248-01	Equalizer Bolt	4
8	14250-01	Lock Washer	8
9	REY14249-01	Compression Washer—Equalizer	4
10	REYT5524	Equalizer Bushing	4
11	REY14247-01	Equalizer Shaft	2
12	REYT5427	Equalizer	2
13	See Spring Section 11.11.1	Spring	4
14	T5544	Cap Screw	10
15	REYT1704	Nut	10
16	T1705	Washer	10
17	T2106	Spring Roller	6
18	09730-01	Axle Seat—5" round	4
	08757-01	Axle Seat—5" round	4
	09525-01	Axle Seat—4" x 6" axle	4
	07980-01	Axle Seat—5" x 5" axle	4
	08060-01	Axle Seat—5" x 5" axle	4
	REY10114-01	Axle Seat—5" round, 3/4" high	4
	09103-01	Axle Seat—5" x 5" axle, 13/16" high	4
	10292-01	Axle Seat—4" x 6" axle, 3/4" high	4
19	REYT5492	Torque Arm bolt	8
20	REYT5495	Lock Nut	8
21	REYT2224	Compression Washer—torque arm	16
22	REYT5493	Torque Arm bushing	16
23	REY15178-01	Torque Arm assembly—rigid front	1
	REY15179-01	Torque Arm assembly—rigid rear	1
24	REY15172-01	Torque Arm assembly—adjustable front	1
	REY15173-01	Torque Arm assembly—adjustable rear	1
25	See U-Bolt Section 11.12.1	U-bolts	8
26	T2306	Cap Screw	4
27	REYT5514	Bottom Plate—5" round	4
	09230-01	Bottom Plate—4" x 6" axle	4
	09229-01	Bottom Plate—5" x 5" axle	4
	T5727	Bottom Plate—5" round underslung, 5" x 5" underslung	8
28	T5481	Stabilizer 5" round	AR
	08061-01	Stabilizer 5" x 5" Axle	AR
29	T7560	U-Bolt bottom clip—4" x 6" axle	8
	T5587	U-Bolt bottom clip—5" x 5" axle	8
30	T7716	Spacer Block 1"	AR
	T7654	Spacer Block 1-1/2"	AR
	REYT7655	Spacer Block 2"	AR
31	REYT5166	Spring Liner	8

9.5.2: REYCO 21B SUSPENSION COMPONENTS

FRONT HANGER		EQUALIZER HANGER		REAR HANGER	
Under Mount Hangers					
 RH Shown				 LH Shown	
1. REYT5562 RH 2. REYT5563 LH		1. REYT5564		1. REYT5565 LH 2. REYT5566 RH	
 1. REY20478-01				 1. REY20476-01	
Flange Mount Hanger					
 LH Shown				 LH Shown	
1. REYT5424 RH 2. REYT5425 LH		1. REYT5426		1. REYT5428 RH 2. REYT5429 LH	
Adjustable Torque Arm Less Bushings			Rigid (Fixed) Torque Arms Less Bushings		
 1. REY15172-01 42"-44" Axle center 2. REY15173-01 49" Axle center			 1. REY15178-01 44" Axle spacer 2. REY15179-01 49" Axle spacer		
Torque Arm Bushing Kit					
 1. REYTK18997 Kit for 1 end 2. REYT7319 Kit for 8 ends			1 kit consists of: 1. REYT5492—1 bolt 2. REYT5493—2 bushings 3. REY2224—2 washers 4. REYT5495—1 lock nut		

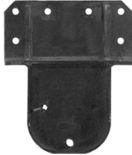
Equalizer Less Bushing  1. REYT5427 42", 49" & 53" Axle spacing	Equalizer Bushing Kit  REYTK12506 consists of: 1. REYT5524—2 bushings 2. REY14250—2 lock washers 3. REY14248-01—2 cap screws 4. REY14249-01—2 washers 5. REY14247—1 shaft 1. REYTK18998 Kit for 1 equalizer 2. REYTK12506 Kit for 2 equalizers (2 REYTK18998)	
Equalizer  1. REY21725-01	Axle Seat 5" x 5"  1. REY07980-01	Axle Seat 5" Round  1. REY11336-01 1-3/4" hi
Bottom Plate 5" Round Inverted U-bolt  1. REY09139-01	Spacer Block  1. REYT7555 1/2" fabricated 2. REYT7716 1" cast 3. REYT7654 1-1/2" cast 4. REYT7655 2" cast	Spring Seat 5" Round  1. REY10114-01
Top Plate U-Bolt Up  1. REYT7175	Top Plate  1. REYT5488	Top Plate  1. REYT1734
Spring Roller Assembly  1. REYTK09011	Spring Roller Nut  1. REYT1704	Top Plate U-Bolt Down  1. REY08677-01

9.5.3: EXPLODED VIEW OF REYCO TRANSPRO 86 & 88 SUSPENSION

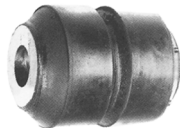
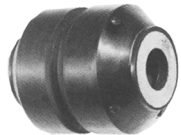
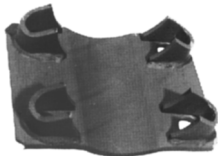


*See Transpro 86 & 88 Suspension Components

9.5.4: REYCO TRANSPRO 86 & 88 SUSPENSION COMPONENTS

Adjustable Torque Arm With Rey0022-00 Bushing  1. REY1035-20 Model 86 & 88		Rigid (Fixed) Torque Arms With Rey0022-00 Bushing  1. REY0075-20 Model 86 & 88	
Torque Arm Bushing Kit  1 Kit consists of: 1. REY0001-08—1 Bolt 2. REY0022-00—1 Bushing 3. REY0002-12—1 Lock nut 1. REY0022-01K Kit for 1 end		Equalizer With Bushing 49" Axle Spacing'  1. REY0650-00 Fabricated 2. REY0850-00 Cast	
FRONT includes REY0045-00 pads		EQUALIZER	
 1. REY0046-00 LH, RH		Straddle Mount Hangers  1. REY0062-00	
 1. REY0049-00 LH, RH		Under Mount Hanger  1. REY0065-00 LH, RH	
 1. REY0400-01 1/2" hole LH 2. REY0400-02 RH 3. REY1240-01 5/8" hole LH 4. REY1240-02 RH		Flange Mount Hanger  1. REY0401-00 1/2" hole LH, RH 2. REY1237-20 5/8" hole LH, RH	
		 1. REY0402-01 1/2" hole LH 2. REY0402-02 RH 3. REY1241-01 5/8" hole LH 4. REY1241-02 RH	
REAR includes REY0045-00 pads		 1. REY0051-00 LH, RH	

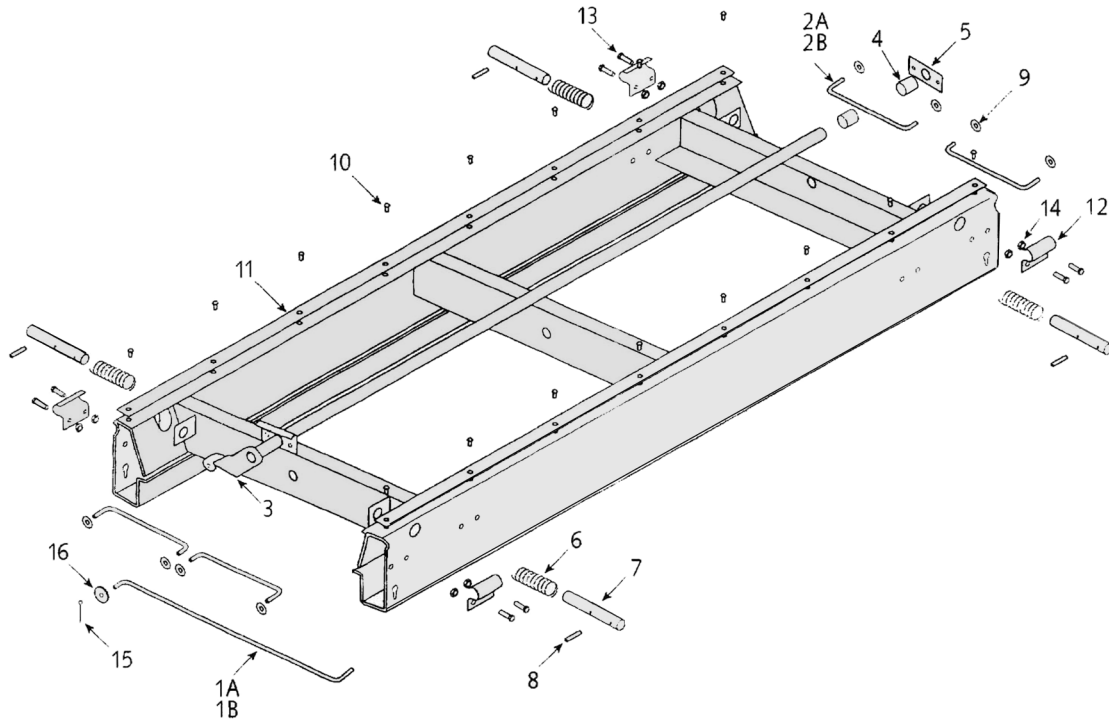
9.5.5: MISCELLANEOUS SUSPENSION COMPONENTS

Equalizer Nut & Bolt  1. REY0001-14 Bolt 1" -14 x 6-1/4" 2. REY0274-01 Nut	Equalizer Bushing (Pre 9/86)  1. REY0106-06	Equalizer Bushing (New Style)  1. REY0649-02
Bottom Plate 5" round no hop  1. REY0415-00	Axle Seat 5" round  1. REY0636-01 1" 2. REY0636-02 1-1/2" 3. REY0636-25 2-1/2"	Axle Seat 5" round  1. REY0637-25 2-1/2"
Bottom Plate 5" Round Inverted U-Bolts  1. REY0880-00	Equalizer With Bushing (Prior to 1984)  1. REY09120-01 Cast	Air Spring Double Convolution  1. REY20018-01
Adjustable Torque Arm Reyco 45 Suspension includes REY09729-01 bushing  1. REY16347-01 Front	Adjustable Torque Arm Reyco 79KA & 79KB Suspensions include REY09729-01 bushing  1. REY16348-01	Torque Arm Bolt  1. REY10033-01
Torque Arm Bolt-Nut  1. REY10092-01	Washer  1. REYT5770 1" ID 2. REYT7292 7/8" ID	

9.6 Binkley Suspensions & Components



9.6.1: BINKLEY "LITE SLIDE" SL8000 & SL6000 SERIES



Item Number	Part Number	Description	Qty
1A	SL0744-03	Pull Arm 42" width	1
1B	BINSL0744-07	Pull Arm 48" width	1
2A	SL0646-42	Linkage Arm 42" width	4
2B	SL0646-48	Linkage Arm 48" width	4
3	SL0019	Qwik Release Replacement Kit	1
4	SL0523-07	Spacer	2
5	SL0088	Cam	1
6	BINPP0020-18	Compression Spring	4
7	BINSL0450	Lock Pin 1-3/8"	4
8	SP052-28	Roll Pin	4
9	SL0016-68	Flat Washer	8
10	STS-008-16	Screw	8
11	BINSL0515	Wear Pad	2
12	BINSL0893	Hold Down Clamp	4
13	PP001-33	Hex Bolt	8
14	PP0012-42	Hex Nut	8
15	PP0014-59	Cotter Pin	1
16	PP0016-08	Flat Washer	1

9.6.2: BINKLEY SUSPENSION HANGERS

FRONT HANGER	EQUALIZER HANGER	REAR HANGER
Under Mount Hangers		
		
1. BINSP0162	1. SP0161	1. BINSP0160
Straddle Mount Hangers		
		
1. BINSP0100	1. BINSP0110	1. BINSP0120

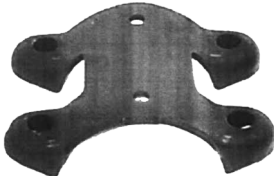
9.6.3: BINKLEY EQUALIZERS & COMPONENTS

Equalizer (with bushing)	Equalizer Bushing	Equalizer Bolt (1"—12 x 6-1/2")	Equalizer Nut (1"—12)
			
1. BINSP0131	1. BINPP0054-05	1. BINPP0050-73	1. BINPP0012-37

9.6.4: BINKLEY TORQUE ARMS & COMPONENTS

Adjustable Torque Arm (with bushings)	Rigid (Fixed) Torque Arm (with bushings)	Torque Arm Bolt (7/8"—14 x 4-3/4")	Torque Arm Nut (7/8"—14)
			
1. BINSP0123 19-1/4"	1. BINSP0143 19-1/4"	1. BINPP0050-75	1. BINPP0012-36

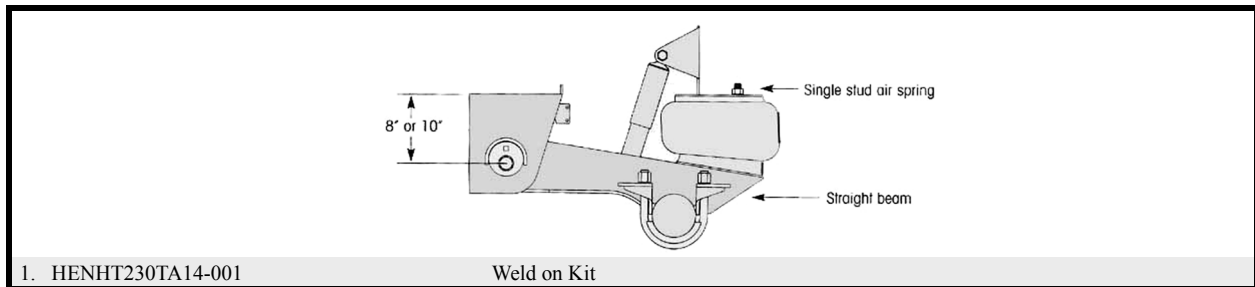
9.6.5: MISCELLANEOUS BINKLEY SUSPENSION COMPONENTS

Spring Seat (for 5" round axles) 	Top Plate (for 5" round axle) 	Top Plate (for 5" round axle) 	Bottom Plate (for 5" round axle) 
1. BINSPO142-01 3/4" inner width	1. BINSPO178	1. BINSPO136	1. BINSPO099

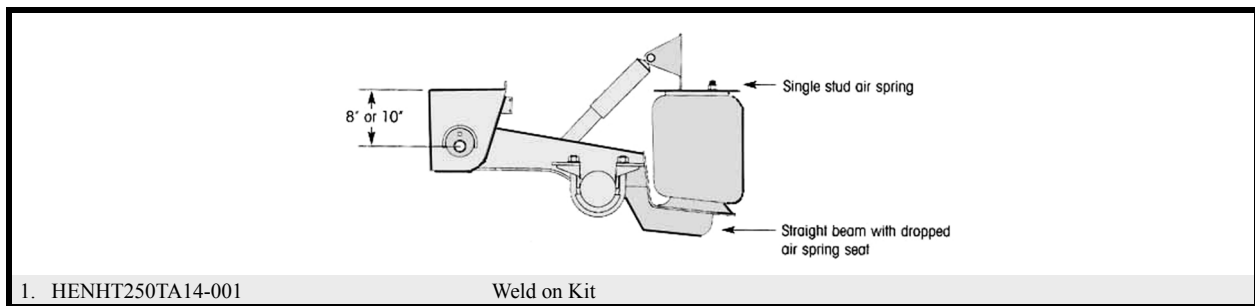
9.7 Hendrickson Suspensions & Components



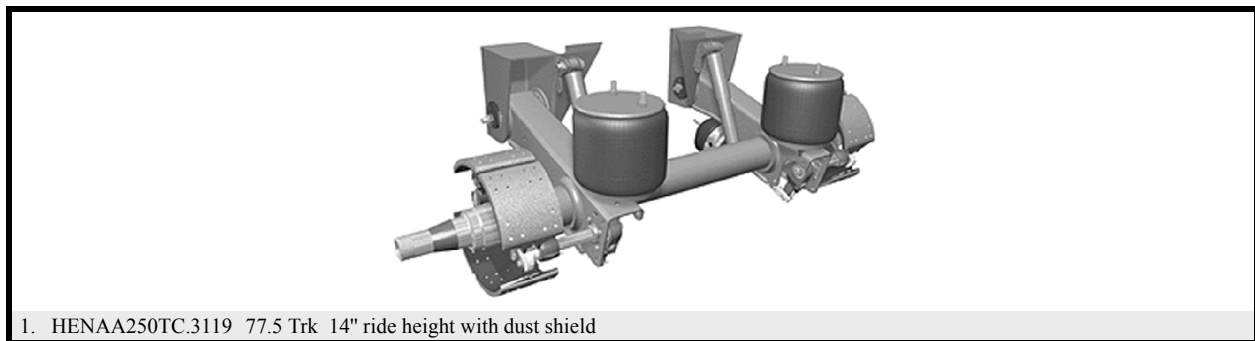
9.7.1: HENDRICKSON MODEL HT230 SUSPENSION



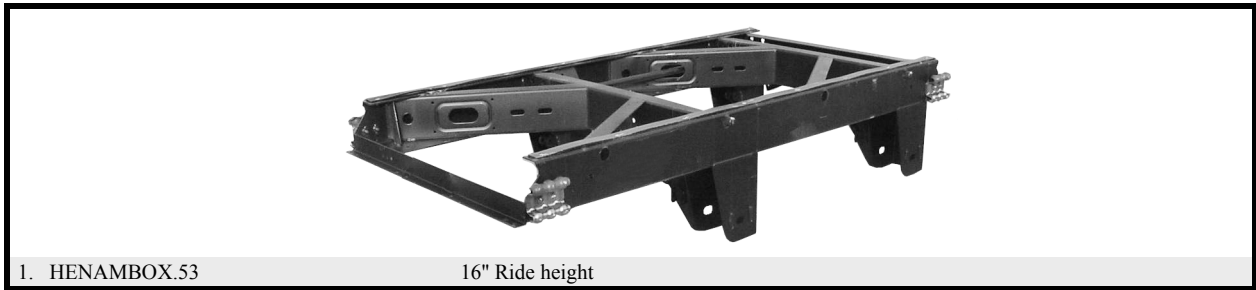
9.7.2: HENDRICKSON MODEL HT250 SUSPENSION



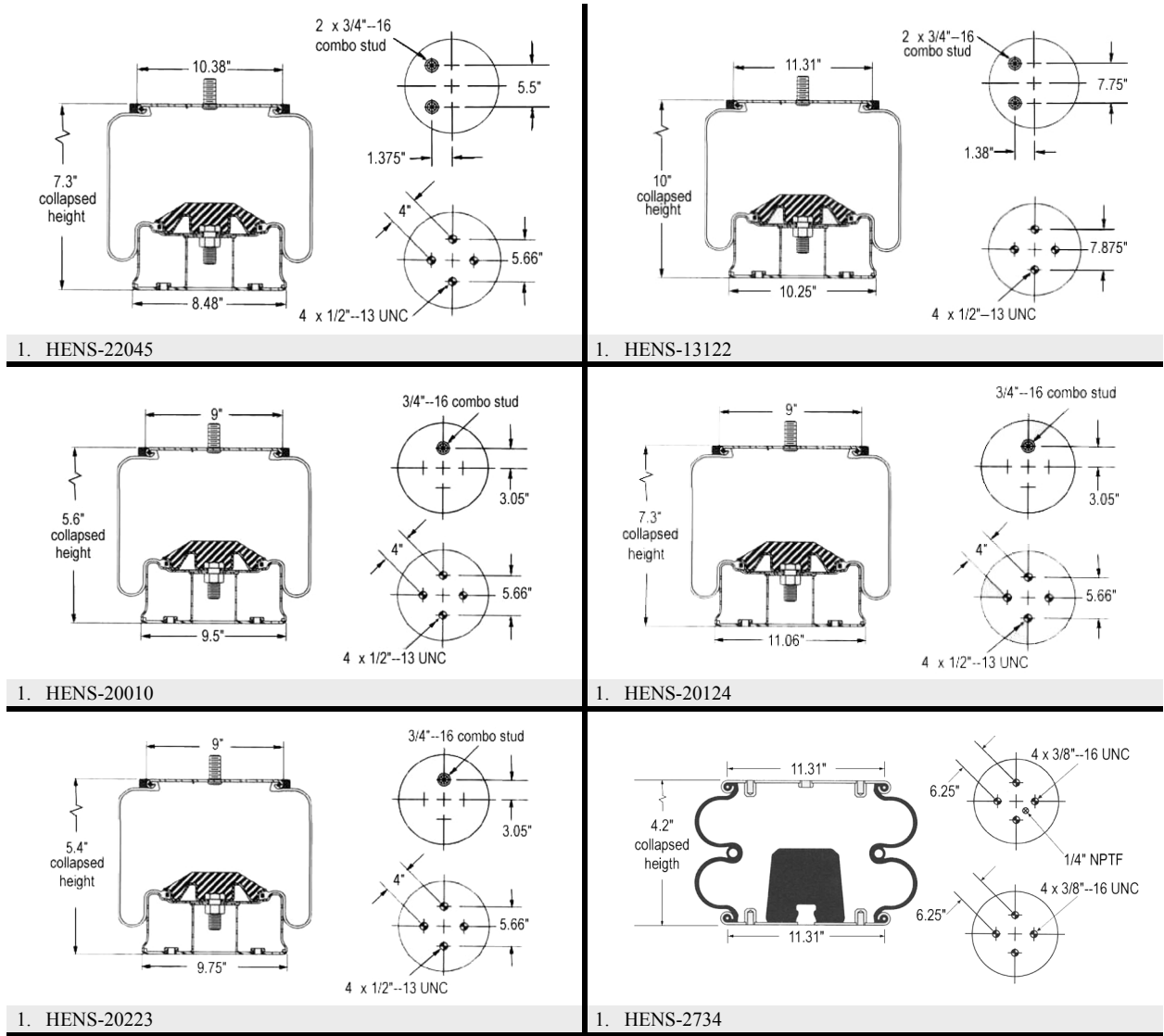
9.7.3: HENDRICKSON INTRAX SUSPENSION

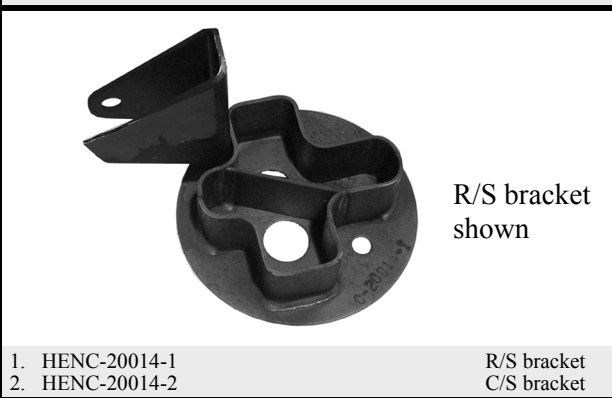
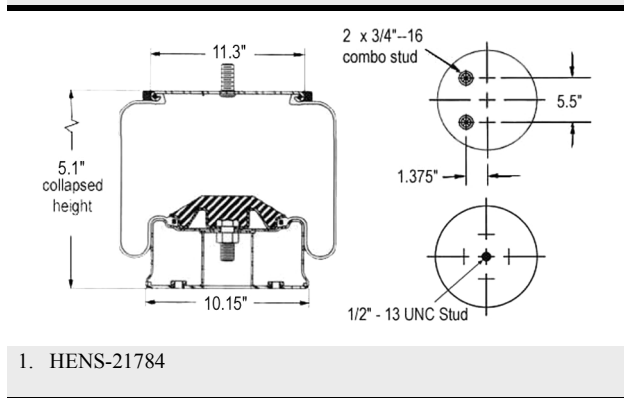
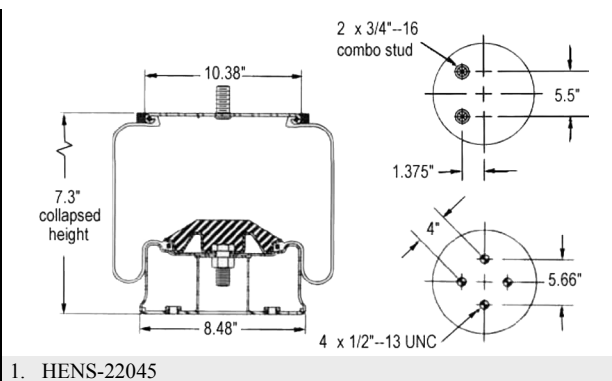
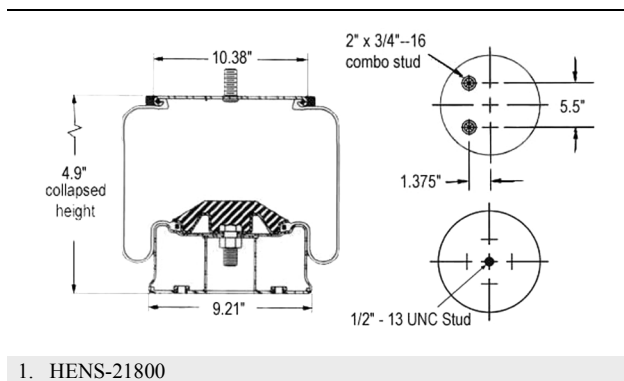


9.7.4: HENDRICKSON SLIDER BOX WITH HANGERS



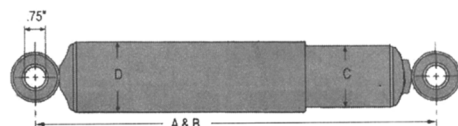
9.7.5: HENDRICKSON AIR SPRINGS & ACCESSORIES



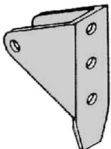
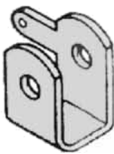


9.7.6: HENDRICKSON SHOCK ABSORBERS

Part Number	A	B	C	D	Stroke
HENS-20001	11.59"	16.57"	2.02"	2.38"	5.38"
HENS-20002	11.60"	17.49"	2.19"	2.50"	5.91"
HENS-20126	11.71"	17.49"	2.75"	3.25"	5.78"
HENS-21292	9.47"	13.25"	2.19"	2.50"	3.78"
HENS-2212	12.97"	20.25"	2.19"	2.50"	7.28"



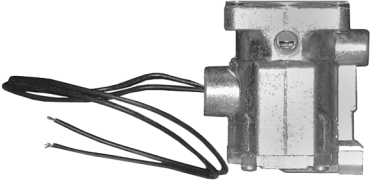
9.7.7: HENDRICKSON SHOCK ACCESSORIES

Upper Shock Bracket  1. HENS-20023	Lower Shock Brackets  1. HENS-2592	Lower Shock Brackets  1. HENC-20069
Shock Bolts  1. HENS-20031-2	Shock Strap  1. HENC-24041-2 1-5/8" x 44" 2. HENC-24041-3 1-3/4" x 40" 3. HENC-24041-4 1-3/4" x 44"	

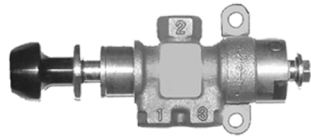
9.7.8: HENDRICKSON U-BOLT KITS

 1. HENS-20032	 1. HENS-3650-4
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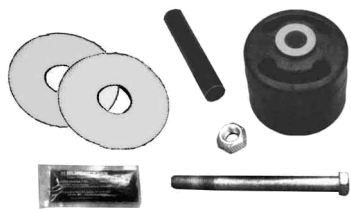
9.7.9: HENDRICKSON SOLENOID VALVES

 1. HENS-1414 12V Normally Open 1/2" Ports	
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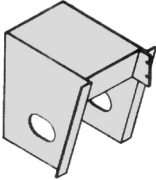
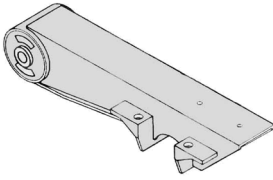
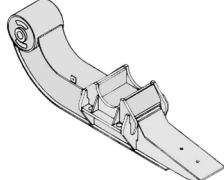
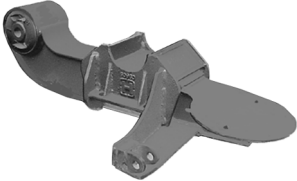
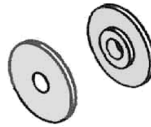
9.7.10: HENDRICKSON AIR VALVES & KITS

		
1. HENAK-53	1. HENAK-54	1. HENAK-147 Manual Dump Valve
		
1. HENAK-152	1. HENAKH-43-3	1. HENV-227 Leveling valve

9.7.11: HENDRICKSON BUSHING KIT

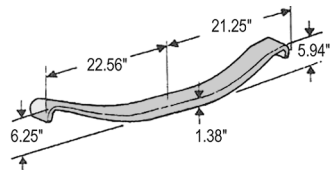
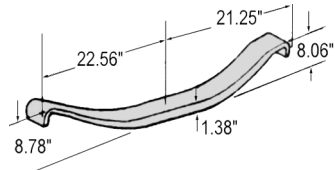
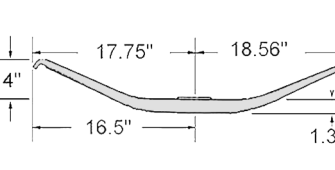
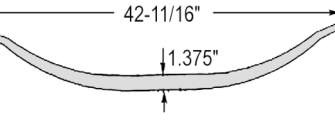
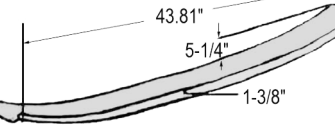
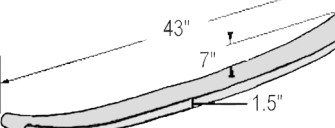
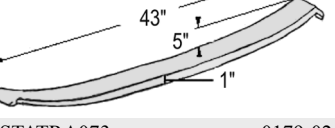
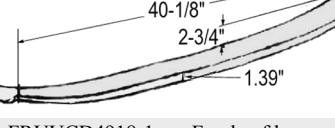
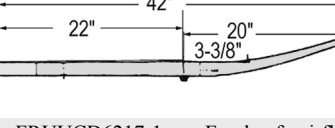
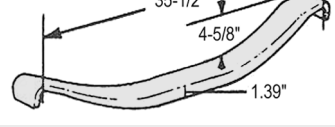
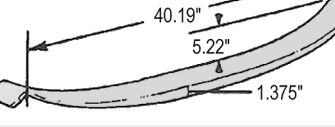
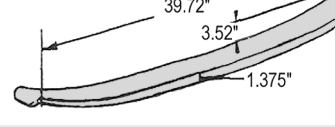
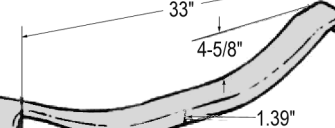
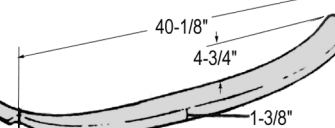
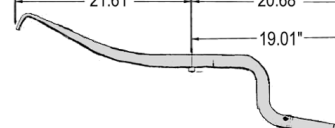
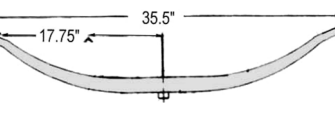
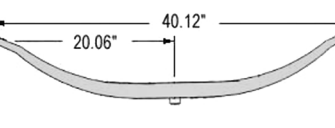
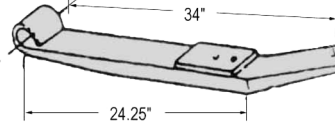
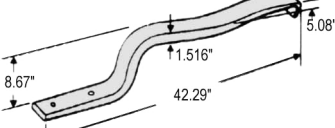
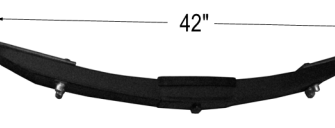
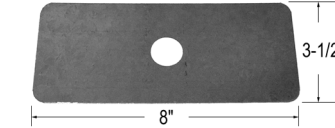

1. HENA-6914 Welded pivot bushing kit

9.7.12: MISCELLANEOUS HENDRICKSON SUSPENSION COMPONENTS

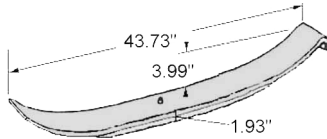
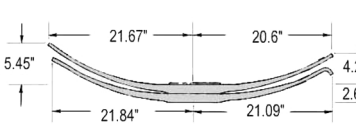
 1. HENC-20064-1 R/S Hanger 2. HENC-20064-2 C/S	 1. HENS-20000-1 R/S Beam assembly 2. HENS-20000-2 C/S	 1. HENC-20335-1 R/S Beam assembly 2. HENC-20335-2 C/S
 1. HENB-11084-2 C/S Beam assembly 2. HENB-11084-3 R/S	 1. HENS-3646 Welded alignment pivot bolt kit	 1. HENS-24679 Pivot bolt kit
 1. HENS-20701 Axle spacer	 1. HENA-1127 Hand valve	 1. HENS-2770 Alignment collar
 Eccentric 1. HENS-20924 Quick align	 Cocentric 1. HENS-20925 Quick align	 1. HENS-11613 Derelen wear pads
 1. HENB-24460 Hold down clip	 1. HENB-22366 Hold down clip	 1. HEND-21135 Adapter

9.8 Suspension Springs

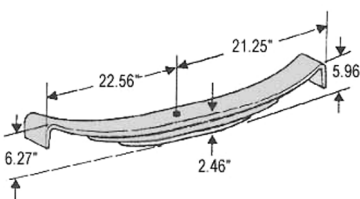
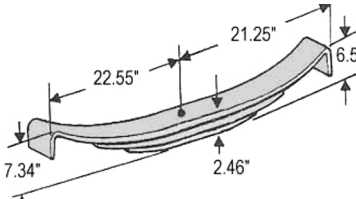
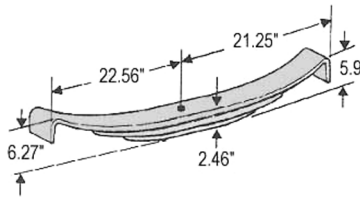
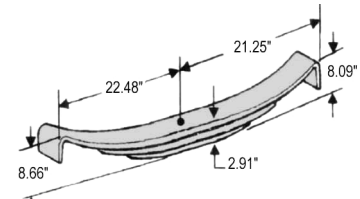
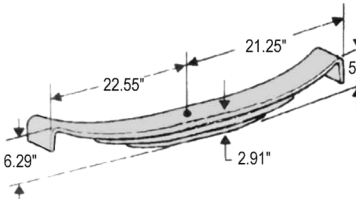
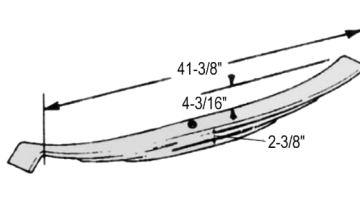
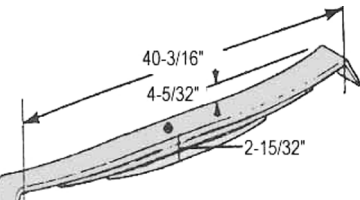
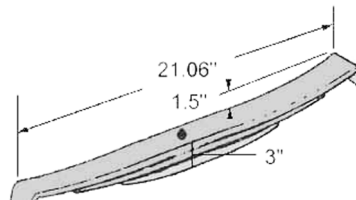
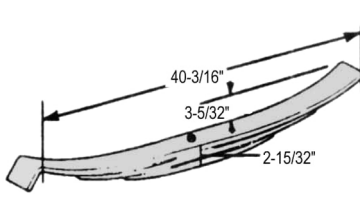
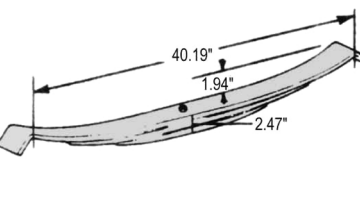
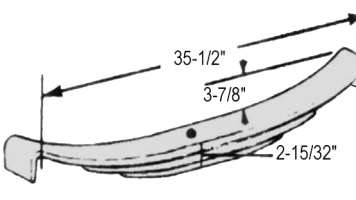
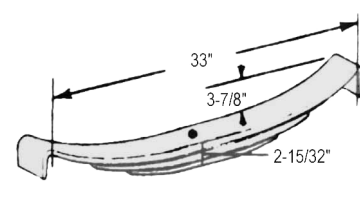
9.8.1: SINGLE LEAF SUSPENSION SPRINGS

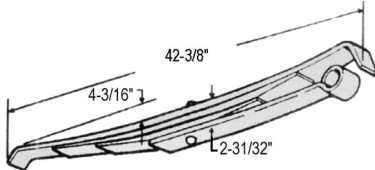
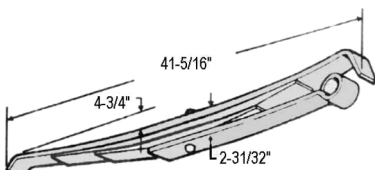
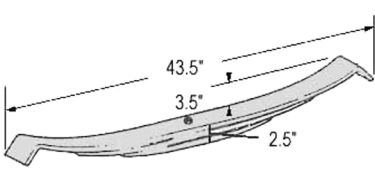
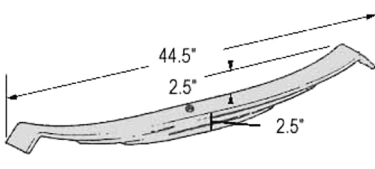
 1. STATRA021 Hutch 363-00	 1. STATRA023 Hutch 360-00	 1. STATRA026 Hutch 7051-42
 1. STATRA031 Reyco T5555	 1. STATRA051 Trailmobile 3-A3-56	 1. STATRA072 0179-01
 1. STATRA073 0179-02	 1. FRUUCD4918-1 Fruehauf low arch	 1. FRUUCD6217-1 Fruehauf uni-flex
 1. FRUUCD8315-1 Fruehauf uni-flex low arch	 1. FRUUCF6820-1 Fruehauf hi-tech low arch	 1. FRUUCF8431-1 Fruehauf hi-tech low arch
 1. FRUUXA0178 Fruehauf hi arch	 1. FRUUXA0186 Fruehauf hi arch	 1. FRUUVA0092-1 Fruehauf
 1. FRUUVA0093-1 Fruehauf hi tech	 1. FRUUVA0094-1 Fruehauf	 1. FRUUCE0176-1 Fruehauf LH 2. FRUUCE0176-2 RH
 1. FRUUCF8314-1 Hi tech	 1. HUT16316-01 Composite low arch	 1. STAGL295 Galvanized spring liner

9.8.2: TWO LEAF SUSPENSION SPRINGS

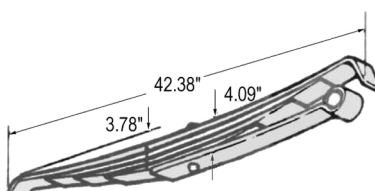
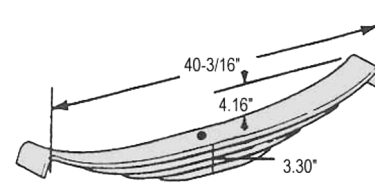
 1. STATRA2754 Hutch 326-00	 1. STATRA2757 Hutch 16710-01
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9.8.3: THREE LEAF SUSPENSION SPRINGS

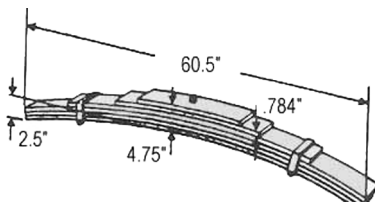
 1. STATRA2726 Hutch 354-00	 1. STATRA2727 Hutch 355-00	 1. STATRA2728 Hutch 356-00
 1. STATRA2740 Hutch 365-00	 1. STATRA2741 Hutch 365-01	 1. STATRA1492 Trailmobile 3-A3-62
 1. FRUUCD0511-1 Fruehauf	 1. STATRA697 Fruehauf UCA7981-1	 1. FRUUCD6118-1 Fruehauf
 1. FRUUCF4784-1 Fruehauf	 1. FRUUCE0100-1 Fruehauf	 1. FRUUCE0101-1 Fruehauf

		
1. FRUCC9066-1Fruehauf with torque leaf	1. FRUUCD0401-1Fruehauf with torque leaf	1. STATRA3340 TP0079-01
		
1. STATRA3341 TP0079-02		

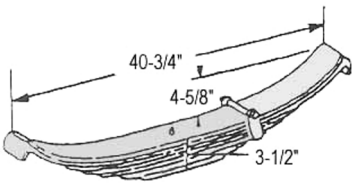
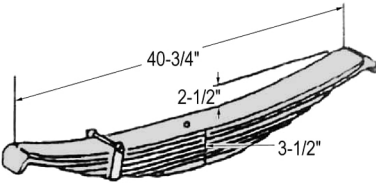
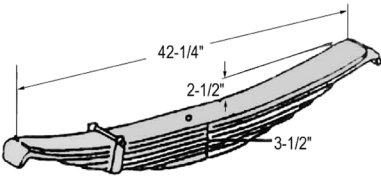
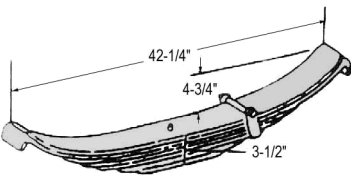
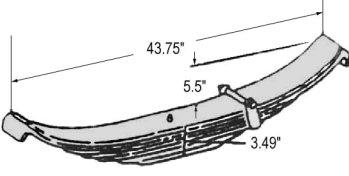
9.8.4: FOUR LEAF SUSPENSION SPRINGS

	
1. FRUUCE1666-1Fruehauf with torque leaf	1. FRUUXB0201 Fruehauf

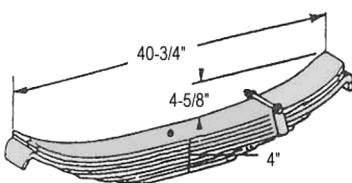
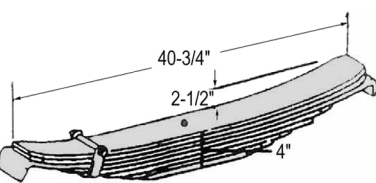
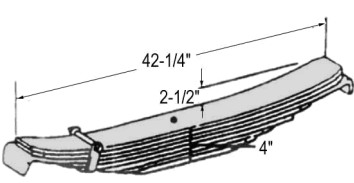
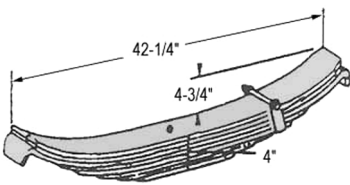
9.8.5: SIX LEAF SUSPENSION SPRING

		
1. FRUUCD5729-1 Fruehauf		

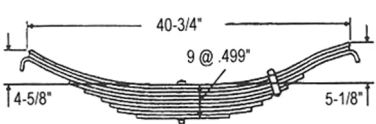
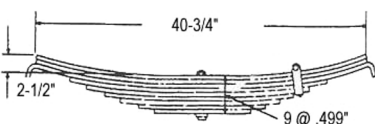
9.8.6: SEVEN LEAF SUSPENSION SPRINGS

		
1. FRUUCA0102 Fruhauf hi arch	1. FRUUCA0104 Fruhauf low arch	1. FRUUCD8565-1 Fruhauf
		
1. HUT751-01 Hutch low arch	1. HUT751-05 Hutch hi arch	1. HUT751-06 Hutch hi arch

9.8.7: EIGHT LEAF SUSPENSION SPRINGS

		
1. FRUUCA0103 Fruhauf hi arch	1. FRUUCA0105 Fruhauf low arch	1. HUT752-01 Hutch low arch
		
1. HUT752-05 Hutch hi arch		

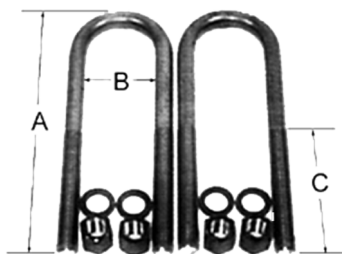
9.8.8: NINE LEAF SPRINGS

	
1. FRUCC3174 Fruhauf hi arch	1. FRUUXA0252 Fruhauf low arch

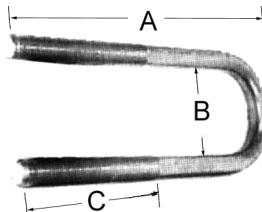
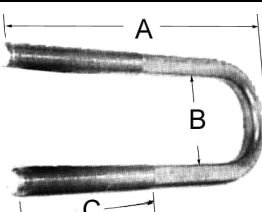
9.9 Suspension U-Bolts & Kits

9.9.1: SUSPENSION U-BOLTS & KITS

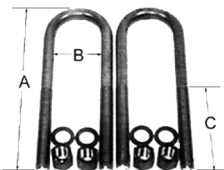
9.9.1.1: 7/8" ROUND TOP U-BOLT KITS

Part Number	A	B	C	Figure
BLT31464903	13"	3"	6"	 Kit includes: 2—U-Bolts 4—Hi nuts 4—Washers
BLT31464904	14"	3"	6"	
BLT31464910	15"	3"	6"	
BLT31465000	16"	3"	6"	
FRUUXA0046-901	12-1/2"	3"	5"	
FRUUXA0046-902	13-1/2"	3"	5"	
FRUUXA0046-915	10"	3"	5"	
FRUUXA0046-917	14-1/2"	3"	5"	
FRUUXA0046-918	17"	3"	5"	

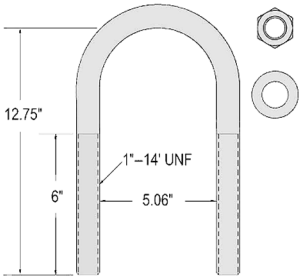
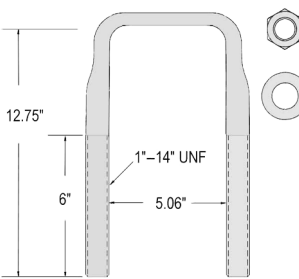
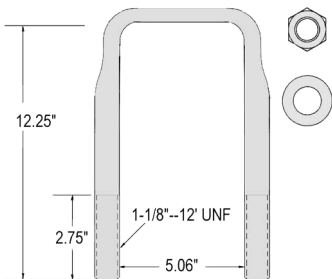
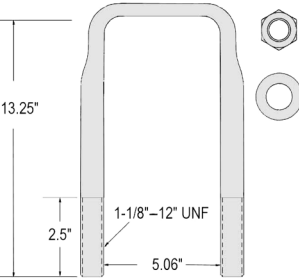
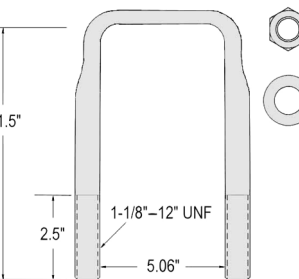
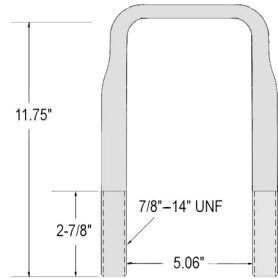
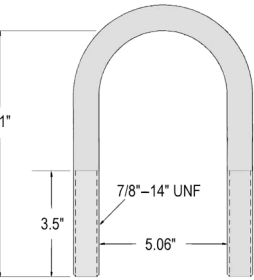
9.9.1.2: 7/8" ROUND TOP U-BOLTS

Part Number	A	B	C	Figure
HUT7040-06	11-3/4"	3"	3-1/2"	
HUT7040-08	10-3/4"	3"	3-1/2"	
HUT7040-09	11-1/4"	3"	3-1/2"	
HUT7040-15	14-1/4"	3"	3-1/2"	
HUT7040-16	14-3/4"	3"	3-1/2"	
HUT7816-10	11-3/4"	5"	3-1/2"	
HUT7816-12	12-3/4"	5"	3-1/2"	
HUT7816-13	13-1/4"	5"	3-1/2"	
HUT7816-16	14-3/4"	5"	3-1/2"	

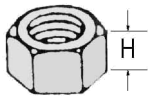
9.9.1.3: 3/4" ROUND TOP U-BOLTS & KITS

Part Number	A	B	C	Figure
BLT31464810	15-1/2"	5"	6"	 Kit consists of: 2—U-Bolts 4—Hi nuts 4—Washers
BLT31464812	12-1/2"	3"	6"	
BLT31464813	13-1/2"	3"	6"	
BLT31464814	14-1/2"	3"	6"	
BLT31464815	15-1/2"	3"	6"	

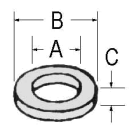
9.9.1.4: MISCELLANEOUS U-BOLTS

 1. FRUBXE0440-900 Kit	 1. FRUBXE0460-900 Kit	 1. FRUUCD5640-901 Kit
 1. FRUUCD8680-901 Kit	 1. FRUUCD8680-902 Kit	 1. FRUUC6463-1 U-Bolt only
 1. FRUUC2936-7 U-bolt only		

9.9.2: U-BOLT NUTS

Part Number	Size	H	Figure
HUT34-00	7/8"	1-5/32"	
NUT1-32A	7/8"	.922"	
NUT7-5	1"	1.3"	
NEW934-00-502	1"		
NEW934-00-506	1-1/8"	1-1/8"	

9.9.3: U-BOLT WASHERS

Part Number	Size	Inside A	Outside B	Thickness C	Figure
HUT35-00	7/8"	1-5/16"	1-3/4"	.150"	
WSH2-4B	1"	1-1/8"	2"	.136/.177"	
WSH2-33A	7/8"	15/16"	1-3/4"	.13636/.177"	

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10.8: Air Ride Height Control Valves	33
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10.1 Gladhand & Accessories

10.1.1: CONVENTIONAL ALUMINUM GLADHANDS



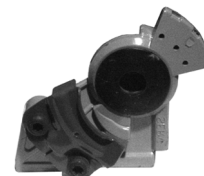
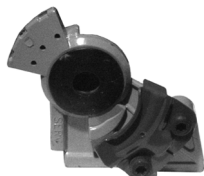
Part Number	Type	Special Notes	Manufacturer
MID11450	Universal		Haldex Automatic Brake Adjusters
MID11451	Emergency		
MID11452	Service		
MID11440	Emergency	With filter	
MID11441	Service	With filter	
PHI12-010	Universal		PHILIPS
PHI12-008	Emergency		
PHI12-006	Service		
TRA36201	Emergency		TRAMEC
TRA36101	Service		
TRAF36201	Emergency	With filter	
TRAF36101	Service	With filter	

10.1.2: CONVENTIONAL CAST IRON GLADHANDS



Part Number	Type	Special Notes	Manufacturer
MTR035031	Universal		I M PARTS
MIDA77771	Emergency		Haldex
MIDA77770	Service		
TRA56321	Universal		TRAMEC

10.1.3: BRACKET MOUNT ALUMINUM GLADHANDS



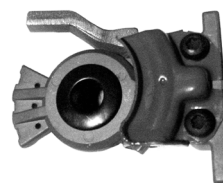
Part Number	Type	Angle	Plug Furnished	Manufacturer
FRUACF6729-2	Emergency	37.5°	Yes	
FRUACF6729-1	Service	37.5°	Yes	
TRA36241	Emergency	15°	Yes	TRAMEC
TRA36141	Service	15°	Yes	
TRAF36261	Emergency	37°	Yes & filter	
TRAF36161	Service	37°	Yes & filter	
MID11444	Service	-----	Yes	Haldex Automatic Brake Adjusters
MID11445	Emergency	-----	Yes	

10.1.4: ALUMINUM SHUT-OFF STYLE GLADHANDS

Tramec Style

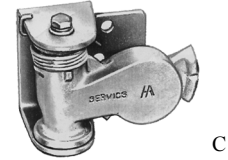
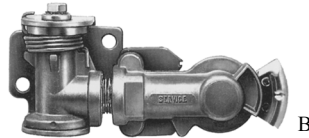


Sloan Style



Part Number	Type	Seal	Included	Manufacturer
SLO441001	Service	Standard	3/8" Nylon fitting	
SLO441003	Service	Standard	1/2" Nylon fitting	
HEB441004	Service	Standard	None	
HEB441014	Emergency	Standard	3/8" Copper fitting	
SLO441008	Emergency	Standard	3/8" Nylon fitting	
SLO441080	Emergency	Black Poly Seal	None	
SLO441081	Service	Black Poly Seal	None	
TRA36153	Service	Standard	3/8" Nylon fitting	TRAMEC
TRA36253	Emergency	Standard	3/8" Nylon fitting	
TRA36154	Service	Standard	1/2" Nylon fitting	
TRA36254	Emergency	Standard	1/2" Nylon fitting	
TRA36156	Service	Standard	3/8"—18 NPTF	
TRA36256	Emergency	Standard	3/8"—18 NPTF	

10.1.5: ALUMINUM SWING-A-WAY (SWIVEL) GLADHANDS



Part Number	Type	Material	Style	Seal	Swivel	Manufacturer
SLO441102	Service	Aluminum	A	Standard	45°	
SLO441103	Emergency	Aluminum	A	Standard	45°	
TRA36181	Service	Aluminum	A	Standard	45°	TRAMEC
TRA36281	Emergency	Aluminum	A	Standard	45°	
TRA36191	Service	Aluminum	B	Standard	90°	
TRA36231	Emergency	Cast	C	Standard	90°	
TRA36291	Emergency	Aluminum	B	Standard	90°	

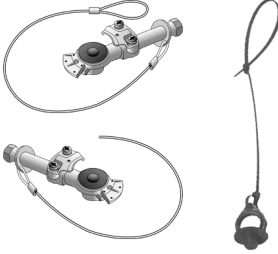
10.1.6: GLADHANDS WITH DUST COVERS

Part Number	Type	Manufacturer	Figure
MID11489	Emergency	 Automatic Brake Adjusters	
MID11490	Service		

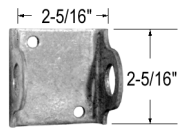
10.1.7: QUICK-E-GLADHANDS

Part Number	Type	Manufacturer	Figure
PHI12-206	Universal		

10.1.8: DUMMY GLADHANDS & PACIFIERS

Part Number	Note	Manufacturer	Figure
MID11400	With 18" cable	Haldex	
SLO441047	With 26" cable		
SLO441073	With 18-3/16" loose end cable		
SLO441721	Pacifier		
PHI12-0100	16" Cable	PHILIPS	

10.1.9: GLADHAND BRACKETS

					
1. MID11401	Bracket	1. SLO441731	Bracket	1. MTR12S00002	Bracket
2. MID11402	Bracket	2. MID11403	Bracket		

10.1.10: GLADHAND SEALS

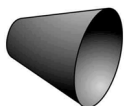
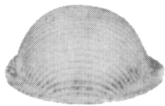
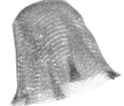
10.1.10.1: RUBBER GLADHAND SEALS

Part Number	Type	Manufacturer	Figure
MID10028	Double Lip	Haldex	 Double Lip Single Lip
MID10029	Single Lip		
TRA36001	Double Lip	TRAMEC	
TRA36003	Single Lip		

10.1.10.2: POLYURETHANE GLADHAND SEALS

Part Number	Type	Manufacturer	Figure
MTR10030	Blue Double Lip		 Compression
MTR10031	Red Double Lip		
MTR10032	Black Double Lip		
SLO441737	Red Double Lip		
SLO441738	Blue Double Lip		
SLO441739	Black Double Lip		

10.1.11: GLADHAND FILTERS

					
1. MID10035	Filter	1. BEN241839	Filter	1. MTR12600056	Filter

10.1.12: GLADHAND LOCKS

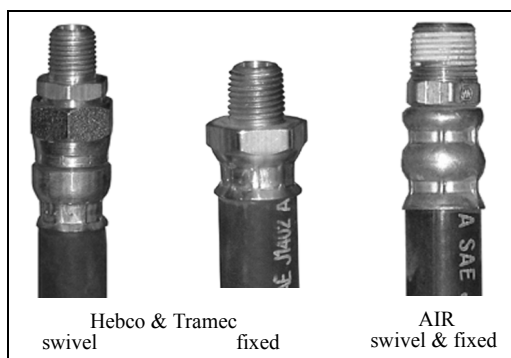
Part Number	Figure
MSPGHLOCK	
two keys	

10.2 Air Hose

10.2.1: RUBBER REINFORCED AIR HOSES

10.2.1.1: REINFORCED RUBBER AIR HOSE ASSEMBLIES

3/8" ID			
Part Number	Length	A	B
HEBSTD3814-13	13"	1/4" Fixed	1/4" Swivel
HEBSTD3814-20.25	20-1/4"	1/4" Fixed	1/4" Swivel
AIR3824	24"	3/8" Swivel	3/8" Swivel
TRA32002-024	24"	3/8" Fixed	3/8" Swivel
HEBSTD3814-26	26"	1/4" Fixed	1/4" Swivel
HEBSTD3814-27.5	27-1/2"	1/4" Fixed	1/4" Swivel
AIR3830	30"	3/8" Swivel	3/8" Swivel
TRA32002-030	30"	3/8" Fixed	3/8" Swivel
HEBSTD3814-36	36"	1/4" Fixed	1/4" Swivel
AIR3836	36"	3/8" Swivel	3/8" Swivel
TRA32002-036	36"	3/8" Fixed	3/8" Swivel
HEBSTD3814-42.5	42-1/2"	1/4" Fixed	1/4" Swivel
HEBSTD3814-45	45"	1/4" Fixed	1/4" Swivel
AIR3848	48"	3/8" Swivel	3/8" Swivel
TRA32002-048	48"	3/8" Fixed	3/8" Swivel
HEBSTD3814-54	54"	1/4" Fixed	1/4" Swivel
HEBSTD3814-60	60"	1/4" Fixed	1/4" Swivel
HEBSTD3814-72	72"	1/4" Fixed	1/4" Swivel
AIR38108	108"	3/8" Fixed	3/8" Swivel



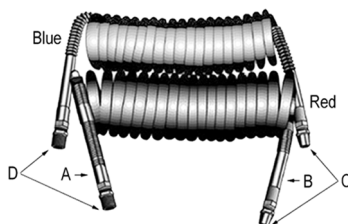
10.2.1.2: BULK RUBBER REINFORCED AIR HOSES

Part Number	Size	Length	Figure
AIR4821-06451	3/8"	50'	
AIR4821-06498	3/8"	250'	
AIR4821-06499	3/8"	500'	
AIR4821-08451	1/2"	50'	
AIR4821-08498	1/2"	250'	
AIR4821-08500	1/2"	500'	

10.2.2: NYLON REINFORCED AIR LINE TUBING**10.2.2.1: BULK NYLON REINFORCED AIR LINE TUBING**

Part Number	Size	Length	Color
AIR1-10	1/4"	100'	Black
AIR1-18	1/4"	1000'	Blue
AIR1-22	1/4"	1000'	Red
AIR1-24	3/8"	100'	Black
AIR1-26	3/8"	500'	Black
AIR1-29	3/8"	100'	Blue
AIR1-30	3/8"	500'	Blue
AIR1-30A	3/8"	250'	Blue
AIR1-33	3/8"	100'	Red
AIR1-35	3/8"	500'	Red
AIR1-35A	3/8"	250'	Red

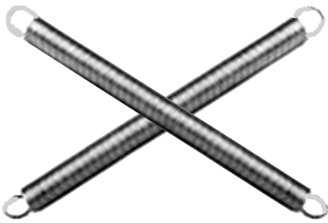
Part Number	Size	Length	Color
AIR1-4	1/2"	500'	Black
AIR1-38	1/2"	100'	Black
AIR1-42	1/2"	100'	Blue
AIR1-44	1/2"	500'	Blue
AIR1-47	1/2"	100'	Red
AIR1-49	1/2"	500'	Red
AIR1-52	5/8"	250'	Black

10.2.2.2: COILED NYLON AIR TUBING SETS


Part Number	Type	Description	A	B	C	D
TRA55100	Set	1/2"—12'	6"	12"	1/2" NPTF	1/2" NPTF
PAR17212-G	Set	1/2"—12'	6"	12"	1/2" NPTF	1/2" NPTF
PAR17215-G	Set	1/2"—15'	12"	12"	1/2" NPTF	1/2" NPTF
PHI11-315	Set	1/2"—15'	12"	12"	1/2" NPTF	1/2" NPTF
55101	Set	1/2"—15'	12"	12"	1/2" NPTF	1/2" NPTF
PAR17215-040	Set	1/2"—15'	40"	12"	1/2" NPTF	1/2" NPTF
PHLS3-600-15-40CBR	Set	1/2"—15'	40"	12"	1/2" NPTF	1/2" NPTF
PHI11-3400	Power Grip Set	1/2"—15'	40"	12"	1/2" NPTF	1/2" NPTF
PHI11-317	Red airline only	1/2"—15'	12"	12"	1/2" NPTF	1/2" NPTF
PHI11-318	Blue airline only	1/2"—15'	12"	12"	1/2" NPTF	1/2" NPTF
MID11964	Red airline only	1/2"—15'	12"	12"	3/8" NPTF	1/2" NPTF
TRA55101R	Red airline only	1/2"—15'	12"	12"	1/2" NPTF	1/2" NPTF
PHLSM-600-15CB	Blue airline only	1/2"—15'	12"	12"	1/2" NPTF	1/2" NPTF

10.3 Hose Supports, Springs & Accessories

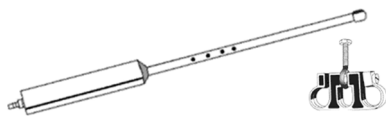
10.3.1: HOSE SUPPORT SPRINGS

Part Number	Diameter	Length	Figure
FRUECB3587	0.47"	13.13"	
PHI17-111	0.75"	11.00"	
MID11601	0.75"	12.38"	
MID11602	1.00"	12.67"	
TRA34015	1.00"	13.00"	
TRA34017	1.06"	25.00"	
MID11603	1.08"	15.00"	

10.3.2: HOSE SEPARATORS (SPACERS)

Plastic  1. FRUACE6477-1 1/2" ID hose	Plastic  1. FRUACB1437 3/8" ID hose	Plastic  1. TRA34020 3/8" ID hose 2. TRA34021 1/2" ID hose
Plastic  1. MTR12200082 3/8" & 1/2" ID hose	Composite  1. MID11548 3/8" ID hose	 1. MID11451 3/8" ID hose 2. TRA34268 3/8" ID hose
 1. MID11543 3/8" ID hose	 1. MID11544 3/8" ID hose	 1. MID11546 3/8" & 1/2" ID hose
 1. PHI17-157 3/8" ID hose	 1. TRA34213 3/8" ID hose	

10.3.3: FLEXASTIKS (SPRING HOLDER) "POGO STICK"

41" Zinc with Hose Clamp  MIDLAND 1. MID11500 41" Zinc	40" Chrome Stick Only  TRAMEC 1. MSPPOGO40 2. TRA34200	40" Gold Chrome with Hose Clamp  PHILIPS 1. PHI17-0401
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10.4 Air Chambers & Accessories

10.4.1: SERVICE CHAMBERS

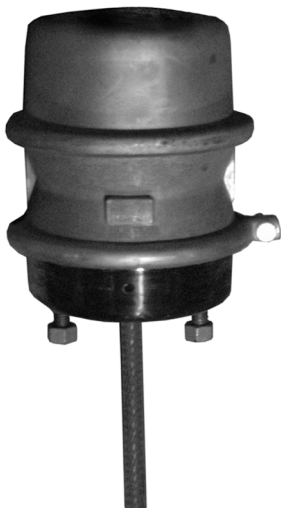
Part Number	Type	Company	Length	Clevis	Figure
MIDKN36160	16	Midland	cut to length	-----	 For Reference Only
MIDMA36200	20	Midland	cut to length	-----	
OBI20SC	20	OBI	cut to length	included	
ANC2400001/24S	24	Anchorlok	cut to length	-----	
OBI24SC	24	OBI	cut to length	included	
MIDKN36240	24	Midland	cut to length	-----	
ANC3000001	30	Anchorlok	cut to length	-----	
ANC53000001	30	Anchorlok	cut to length	-----	
FRUACE6367-6	30	Pro-Par	cut to length	-----	
OBI30SC	30	OBI	cut to length	included	
OBI30SC-9	30	OBI	cut to length	-----	
OBI30SCB-MTRA01-01	30	OBI	6.5" threaded rod	included	
TSE30002SC-C	30	TSE	cut to length	-----	
MGM1431001	30	MGM	cut to length	-----	

10.4.2: PIGGYBACK UNITS WITH CAGING BOLTS

Part Number	Type	Company	Unit Type	Figure
ANC1624002	16/24	Anchorlok	Clamped	 For Reference Only
OBI22424P	24/24	OBI	Sealed	
MIDMA15427	24/30	Midland	Sealed	
ANC53030021	30/30	Anchorlok	Sealed	
ANC53030023	30/30	Anchorlok	Clamped	
MGM3430001X	30/30	MGM	Sealed	
MGM3430008X*	30/30	MGM	Sealed	
MGM3230008*	30/30	MGM	Sealed	
OBI23030P	30/30	OBI	Sealed	
MIDMQ48300*	30/30	Midland	Sealed	
RNGBPS-3030	30/30	Ranger	Sealed	
TSE3030-OMNI	30/30	TSE	Sealed	
TSE3030S-OMNI-A	30/30	TSE	Sealed	

*Includes diaphragm, 2 piece clamp band and nut & bolt

10.4.3: SPRING BRAKES (COMPLETE)

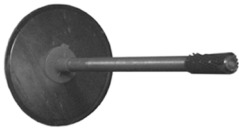
Part Number	Type	Company	Unit Type	Length	Note	Figure
OBI22424C	24/24	OBI	Sealed	Universal	1	 For Reference Only 1. With clevis & disabling tool 2. With disabling tool only 3. Tamper Resistant Design
ANC2424001	24/24	Anchorlok	Clamped	Universal	2	
OBI22430C	24/30	OBI	Sealed	Universal	1	
ANC164472	30/30	Anchorlok	Sealed	6.5"	1	
ANC165388	30/30	Anchorlok	Sealed	Universal	1	
ANC53030001	30/30	Anchorlok	Sealed	Universal	2	
ANC53030017	30/30	Anchorlok	Sealed	Universal	2	
FRUACF2662-PR4	30/30	Pro-Par	Sealed	Universal	1	
FRUACF2662-4	30/30	Pro-Par	Sealed	Universal	1	
MGM3430051X	30/30	MGM	Clamped	8-1/4"	2	
MGM3430372	30/30	MGM	Sealed	5-5/8"	2	
MGM3831051X	30/30	MGM	Clamped	Universal	3	
MID15443	30/30	Midland	Clamped	Universal	1	
OBI23030C	30/30	OBI	Sealed	Universal	1	
OBI23030C-MTR01-01	30/30	OBI	Sealed	6-1/2"	1	
RNGBTS-3030	30/30	Ranger	Sealed	Universal	2	
TSE3030T-OMNI-304	30/30	TSE	Sealed	Universal	2	
TSE3030T-OMNI-C	30/30	TSE	Sealed	Universal	1	
TSE3030T-OMNI-308	30/30	TSE	Sealed	Universal	1	
TSE3030T-PC-301	30/30	TSE	Sealed	Universal	1	

10.4.4: AIR CHAMBER DIAPHRAGMS

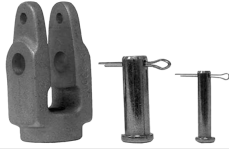
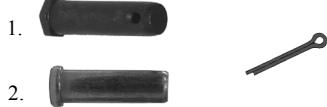
Part Number	Type	Diameter	Figure
OBID09000	9	5-1/32"	
AIRBD9	9	5-1/32"	
OBID12000	12	5-15/32"	
AIRBD12	12	5-15/32"	
OBID16000	16	6-5/32"	
AIRBD16	16	6-5/32"	
OBID20000	20	6-17/32"	
AIRBD29	20	6-17/32"	
OBID24000	24	7"	
AIRBD24	24	7"	
OBID30000	30	7-27/32"	
AIRBD30	30	7-27/32"	
MTRT30	30	7-27/32"	
OBID36000	36	8-5/16"	
AIRBD36	36	8-5/16"	

10.4.5: MISCELLANEOUS AIR CHAMBER ACCESSORIES

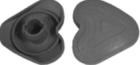
10.4.5.1: BRAKE CHAMBER PUSH RODS

Part Number	Chamber Type	Length	Figure
MIDKN36161	16	9.52"	
MIDKN36241	24	10.23"	
MIDKN36301	30	10.34"	
ANC3093038	30	12-1/2"	

10.4.5.2: CLEVIS & ACCESSORIES

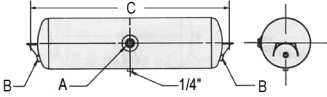
 1. GUNAS-3000 Clevis kit 2. GUNAS-4004 3 sets of each clevis pin w/ cotter pin	 1. MTR1245N1028 1/2" Clevis 2. MTRR801713 5/8" Clevis	 1. MIDKN36450 1/2" kit A = 2.50" 2. ANC9999044 1/2" kit A = 2.25" 3. MIDKN36490 1/2" kit A = 1.81" 4. MIDKN36470 1/2" kit A = 1.88" 5. MIDKN36480 5/8" kit A = 1.88"
 1. MID19105 1/2" Clevis kit	 1. PIN2-1 1/2" Clevis & cotter pin 2. MID19102 5/8" Clevis & cotter pin	 1. MTRR801732 1/2" Clevis pin 2. MID19100 1/2" Clevis pin 3. PIN1-1 .12" x 1" Cotter pin

10.4.5.3: MISCELLANEOUS AIR CHAMBER ACCESSORIES

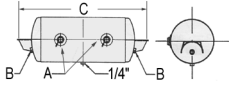
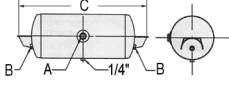
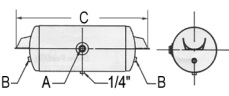
 Type 16 1. ANC1664005 Clamp assembly	 Type 30 1. ANC3064004 Clamp assembly 2. TRA53430 Clamp assembly 3. MGM8216045 Clamp assembly	 Fits type 20, 24, 30, & 36 chambers 1. MID19104 Dust boot cover w/plate
 1. MID10043 Caging tool	 1. 11M012 Caging tool plug	 1. ANC999916 Tether plug
 1. MIDKN36302 Type 30 cover	 1. MIDKN36303 Type 30 housing	 1. MIDKN36304 Type 30 return spring

10.5 Air Reservoir Tanks

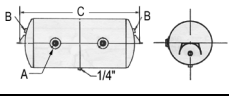
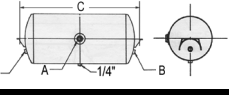
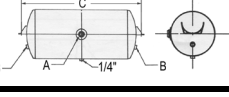
10.5.1: 8" DIA. 1425 CUBIC INCH CAPACITY AIR TANKS

Part Number	A	B	C	Figure
HOS8000	3/4" NPTF	3/8" NPTF	32"	
HOS0829	None	3/8" NPTF	32"	

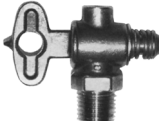
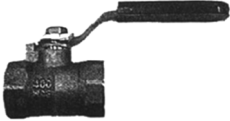
10.5.2: 9-1/2" DIA. 1488 CUBIC INCH CAPACITY AIR TANKS

Part Number	A	B	C	Figure
HOSHT-95161**	3/4" NPTF	3/8" NPTF	27-1/2"	
HOS9500	3/4" NPTF	3/8" NPTF	27-1/2"	
HOS9508*	3/4" NPTF	3/8" NPTF	27-1/2"	
HOS9522*	1/2" NPTF	1/2" NPTF	27-1/2"	
FRUACE5939-6	1/2" NPTF	3/8" NPTF	27-1/2"	
HOS9534*	3/4" NPTF	3/8" NPTF	27-1/2"	
HOS9537*	3/4" NPTF	1/2" NPTF	27-1/2"	
* tank has an additional main port on the other side, opposite the one shown.				
** tank has an additional main port on the other side, in the middle of the ones shown.				

10.5.3: 12" DIA. 2800 CUBIC INCH CAPACITY AIR TANKS

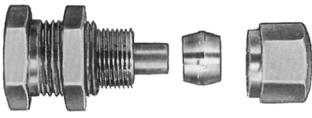
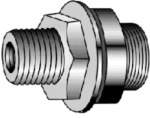
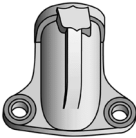
Part Number	A	B	C	Figure
HOS1254**	3/4" NPTF	3/8" NPTF	29.5"	
HOS1200	3/4" NPTF	3/8" NPTF	29.5"	
FRUAVA0133-1	3/4" NPTF	1/2" NPTF	29.5"	
				
HOS1242*	3/4" NPTF	3/8" NPTF	29.5"	
* tank has an additional main port on the other side, opposite the one shown.				
** tank has an additional main port on the other side, in the middle of the ones shown.				

10.5.4: AIR TANK DRAIN VALVES & DRAIN COCKS

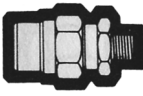
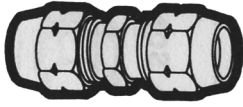
Manual Drain Valves 	Drain Cock 	Drain Cock 	1/2" Shut Off 
1. MID12103 3' Cable 2. MID12104 4' Cable 3. TRA35002-048 4' Cable 4. MID12105 5' Cable 5. TRA35013 5' Universal 6. SLO401046 5' Cable	1. FRU534434	1. MIDN-1691	1. FRUACB3627

10.6 Fittings & Clips

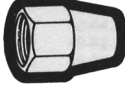
10.6.1: FRAME FITTINGS

 1. FRUACC3600-1 3/8" Copper 2. FRUACC3600-2 3/8" Nylon	 1. TRA50009 3/8" Nylon	 1. FRUACE6225-1 1/2" Nylon
 1. FRUACE6251-1 3/8" tubing 2. FRUACE6251-2 1/2" tubing	 1. FRUACB8786-1 2. HEB207ACBH-6/HB607 3. MID11304	 1. HEBN11246(HB646) 2. MID11306
 1. MID11312 Angle		

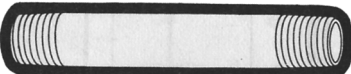
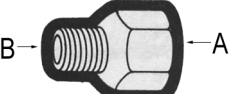
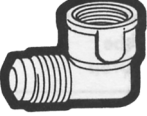
10.6.2: RUBBER AIR HOSE FITTINGS

Hose Nut  1. COR368-64 1/4" 2. MID11903 1/2" 3. FRU535305 1/4" 4. COR368-66 3/8" 5. MID11904 3/8" 6. COR368-68 1/2"	Hose Nut with Spring  1. COR378-64 1/4" 2. FRU535309 1/4" 3. MID11900 1/4" 4. COR378-66 3/8" 5. MID11901 3/8" 6. TRA31408 3/8" 7. COR378-68 1/2" 8. FRU535308 1/2"	Hose Sleeve  1. COR367-6 3/8" 2. MID11912 3/8"
Hose Union  1. MID11913 3/8"	Spring Guard  1. MID11911	 1. TRA31402 3/8" tubing 2. TRA31403 1/2" tubing

10.6.3: STANDARD COMPRESSION FITTINGS

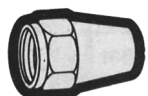
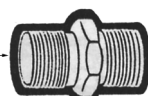
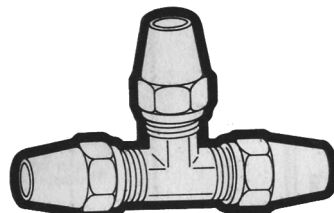
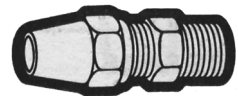
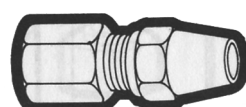
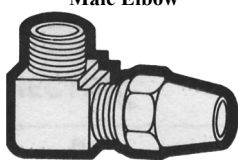
Brass Insert 			Long Nut 		
1. CORP61-4	OD Tube	1/4"	1. FIT19-1	OD Tube	3/8"
2. CORP61-6		3/8"			
3. FITFSP012-31001		3/8"			
4. CORP61-8		1/2"			
Male Connector 			Male Elbow 		
2. FITFSP012-30007	OD Tube	3/8"	1. WEA1469X6X6	OD Tube	3/8"
3. FITFSP012-30005		1/2"	2. FITFSP012-32006		3/8"
4. FIT1468X6X6		3/8"	3. FITFSP012-32007		1/2"

10.6.4: PIPE FITTINGS

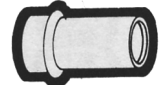
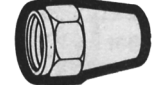
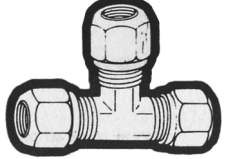
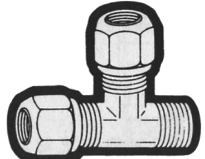
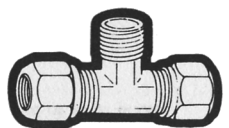
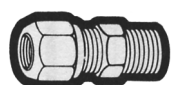
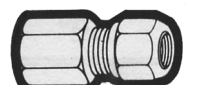
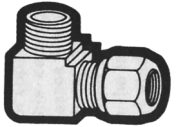
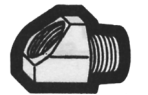
Long Nipple 			Close Nipple 		
1. FIT16-1	Pipe Thread	1/2" x 2-1/4"	1. FIT17-1	Pipe Thread	1/4"
			2. FIT17-2		3/8"
Square Head Plug 			Reducing Adaptor 		
1. COR109-4	Pipe Thread	1/4"	1. FITFSP012-18002	A Pipe Thread	3/8"
2. FIT1-1		1/4"	2. FITFSP012-18003		x 1/4"
3. COR109-6		3/8"	3. FITFSP012-18004		x 3/8"
4. FIT1-2		3/8"	4. WEA3200X6		x 3/8"
5. COR109-8		1/2"	5. WEA3200x6X4		x 1/4"
6. FIT1-3		1/2"			
90 Degree Street Elbow 					
1. FITFSP012-12001	Male Thread	1/4"			
2. FITFSP012-12003		3/4"			
3. HEBH3400X6		3/8"			

10.6.5: COPPER TUBING COMPRESSION FITTINGS

(Can be used with nylon tubing as long as inserts are used)

Sleeve  1. FIT20-2 2. FIT39750983 3. FIT39750984 4. FIT39750985 OD Tube 3/8" 1/4" 3/8" 1/2"	Nut  1. CORB161-6 2. CORB161-8 OD Tube 3/8" 1/4"	Hex Nipple A  B 1. WEA3325X6X4 A NPT B NPT 1/4" 3/8"
Tee-Three Tube End  1. FITFSP012-09002 OD Tube 3/8"	Union  1. CORB162-4 2. CORB162-6 3. FITFSP012-04001 4. CORB162-8 OD Tube 1/4" 3/8" 3/8" 1/2"	Male Connector  1. FITFSP012-05001 2. PAR68NTA-6-2 3. CORB168-64 4. WEA1468X6 5. FITFSP012-05002 6. CORB168-66 7. CORB168-68 8. FITFSP012-05003 9. WEA1468X6X6 10. PAR68NTA-6-6 11. CORB168-84 12. CORB168-86 13. CORB168-88 OD Tube Pipe Thread 1/4" 1/8" 3/8" 1/8" 3/8" 1/4" 3/8" 1/4" 3/8" 3/8" 3/8" 1/2" 3/8" 3/8" 3/8" 3/8" 1/2" 1/4" 1/2" 3/8" 1/2" 1/2"
Female Connector  1. WEA1466X8 OD Tube Pipe Thread 1/2" 3/8"	Male Elbow  1. PAR269NTA-6-4 2. CORB169-66 3. CORB169-68 4. CORB169-84 5. PAR269NTA-8-4 6. CORB169-86 7. CORB169-88 8. PAR269NTA-8-8 OD Tube Pipe Thread 3/8" 1/4" 3/8" 3/8" 3/8" 1/2" 1/2" 1/4" 1/2" 1/4" 1/2" 3/8" 1/2" 1/2" 1/2" 1/2"	

10.6.6: NYLON TUBING FITTINGS

Sleeve  1. FIT29-3 2. PAR60NTA-6 OD Tube 1/2" 3/8"	Insert  1. FIT31-3 OD Tube 1/2"	Nut  1. FIT28-2 2. FIT28-3 OD Tube 3/8" 1/2"
Tee-Three Tube End  1. FITFSP012-33002 2. FITFSP012-33001 3. FITFSP012-33003 OD Tube 1/4" 3/8" 1/2"	Tee-Pipe on Run  1. WEA1471X6 2. WEA1471X6X6X6 OD Tube 3/8" 3/8" Pipe Thread 1/4" 3/8"	Tee-Pipe on Branch  1. WEA1472X6 2. WEA1472X6X6X2 3. WEA1472X6X6X6 4. WEA1472X8 OD Tube 3/8" 3/8" 3/8" 1/2" Pipe Thread 1/4" 1/2" 3/8" 1/4"
Union  1. WEA1462X6 2. WEA1462X8 OD Tube 1/4" 1/2"	Male Connector  1. WEA1468X4X4 2. WEA1468X6 3. WEA1468X6X6 4. WEA1468X8X4 5. WEA1468X8X8 OD Tube 1/4" 3/8" 3/8" 1/2" 1/2" Pipe Thread 1/4" 1/4" 3/8" 1/4" 1/2"	Female Connector  1. FITFSP012-41001 OD Tube 1/4" Pipe Thread 1/4"
Male Elbow  1. WEA1469X4X4 2. FITFSP012-11002 OD Tube 1/4" 3/8" Pipe Thread 1/4" 1/4"	45° Male Elbow  3. WEA1480X6X6 4. WEA1480X8 OD Tube 3/8" 1/2" Pipe Thread 3/8" 3/8"	45° Male Elbow  1. WEA3350X6 A NPT 1/2" B NPT 1/2"

10.6.7: TUBE CLIPS

Heavy Duty Steel/Vinyl Closed Clip  1. CLP1-9 2. CLP1-1 3. CLP1-4 4. CLP1-5 5. CLP1-8 1/8" 1/4" 1/2" 5/8" 1"	Aluminum Clip  1. CLP3-1 2. CLP3-2 3. CLP3-3 3/8" 1/2" 5/8"	Steel Clip  1. CLP4-1 2. CLP4-2 3/8" 1/2"
Nylon/Vinyl Closed Clip  1. CLP5-1 2. CLP5-2 1/4" 3/8"	Jiffy Tube Clamp  1. MID11103 1/2"	Protected Tube Clamp  1. MID11122 2. MID11123 3/8" 1/2"

10.7 Air Valves

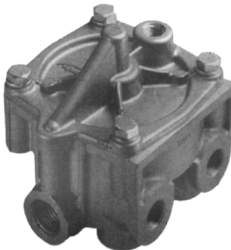
10.7.1: WABASH REPLACEMENT AIR VALVES

R-12 Valve (used with ABS/MBS-1)



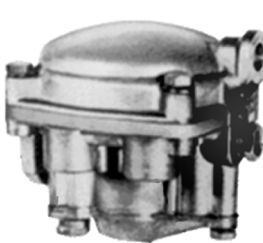
1. WAB12900570

R-12 P Valve



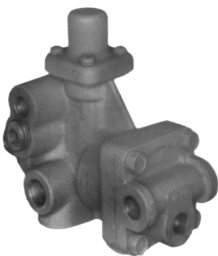
1. WAB12900305

RE-6 Valve



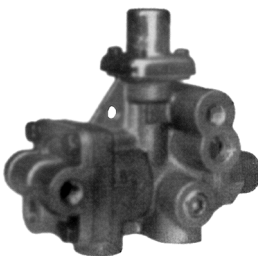
1. WAB12900002

SR-2 Valve



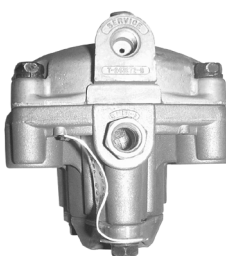
1. WAB12900005
2. WAB12900296

SR-5 Valve



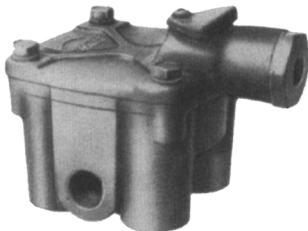
1. WAB12900243

RE-6NC Valve



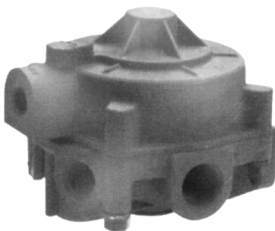
1. WAB12900286

R-14 Valve



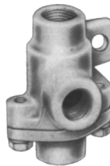
1. WAB12900006

R-8 P Valve



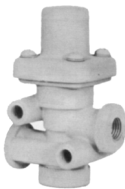
1. WAB12900022

DC-4 Valve (Double Check)



1. WAB12900013

PR-4 Valve (Pressure Protection)



1. WAB12900021

PR-3 Valve (Pressure Protection)

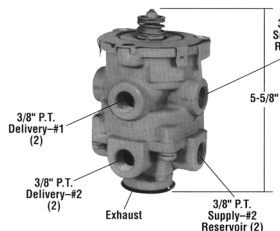


1. WAB12900031

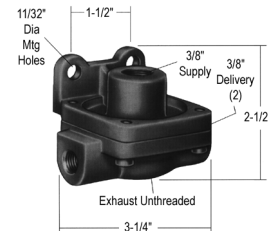
SC-1 Valve (Single Check)



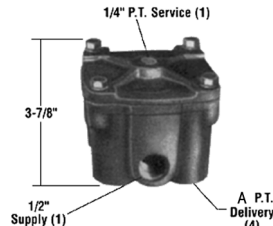
1. WAB12900083 A = 1/2" B = 1/2"
2. WAB12900095 A = 1/4" B = 1/8"

Bendix
10.7.2: BENDIX REPLACEMENT AIR VALVES & ACCESSORIES
Bendix
Dual Brake Valve


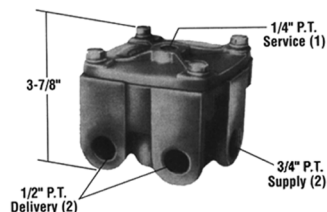
1. BEN229216
2. MTR286171

QR-1 Quick Release Valve


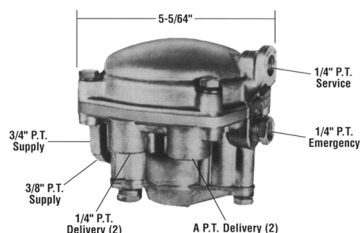
1. BEN229859

R-12 Relay Valve with


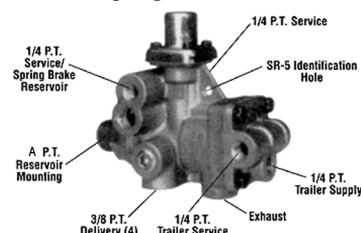
- | | |
|----------------|------|
| Vertical ports | A |
| 1. BEN102626 | 1/2" |
| 2. MTR065104 | 3/8" |
| 3. MTR102626 | 1/2" |

R-12 Relay Valve


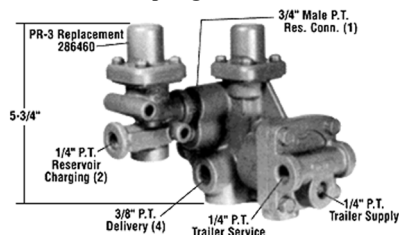
1. BEN103009
- Horizontal ports

RE-6 Relay Emergency Valve


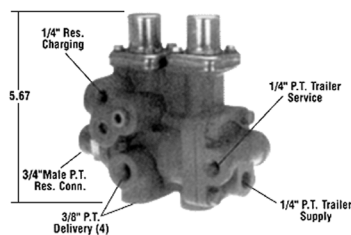
1. BEN281865

SR-5 Anti-Compounding Spring Brake Valve


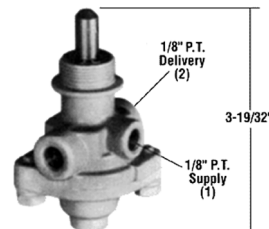
1. BEN065439
 2. BENSRS5
- | |
|----------|
| A = 1/2" |
| A = 3/4" |

SR-4 Spring Brake Valve


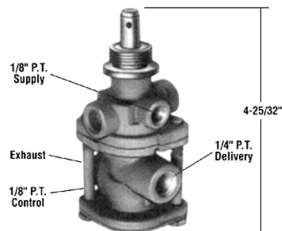
1. BEN101112

SR-4 Spring Brake Valve (New Style)


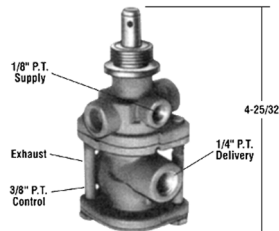
1. BEN107539

PP-1 Control Valve


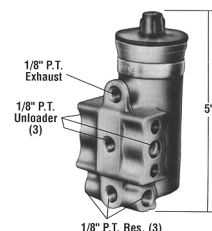
1. BEN276566
 2. BEN276567
- | |
|--------|
| 20 PSI |
| 40 PSI |

PP-7 Trailer Supply Valve


1. BEN288239
- Exhaust port not threaded

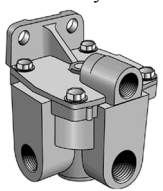
PP-7 Trailer Supply Valve


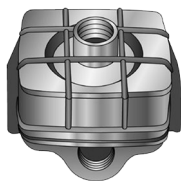
1. BEN106113
 2. MTR288239
- Exhaust port threaded

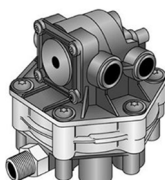
D-2 Governor


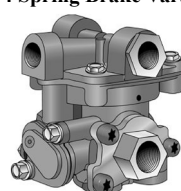
1. BENOR275491
 2. BEN275491X
 3. BEN284358
 4. MTR275491
- Rebuilt
Hi-Temp

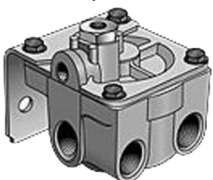
Haldex
**10.7.3: HALDEX (MIDLAND) REPLACEMENT AIR VALVES
& ACCESSORIES**
Haldex

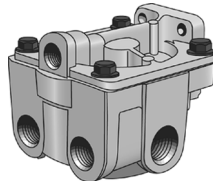
Part Number	MTR Part Number	Supply	Delivery	Reservoir	Crack Pressure	Figure
MIDKN28500	MTRKN28500	2—3/8"	2—3/8"	1—1/4"	5.5 ± 1 PSI	 RG-2 Relay Valve
MIDKN28510	MTRKN28510	1—1/2" 1—3/8"	2—3/8"	1—1/4"	5.5 ± 1 PSI	
MIDKN28520	MTRKN28520	2—1/2"	2—1/2"	1—1/4"	5.5 ± 1 PSI	
MIDKN28531		1—3/8" 1—1/2"	2—3/8"	1—1/4"	5.5 ± 1 PSI	

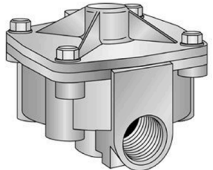
Part Number	Supply	Delivery	Control	Crack Pressure	Figure
MIDKN28550	1—1/2" 1—plugged	2—3/8"	1—1/4"	5.5 ± 1 PSI	 RG-5 Relay Valve

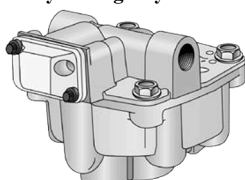
Part Number	Supply	Delivery	Reservoir	Crack Pressure	Figure
MIDKN28600	1—1/4"	4—3/8"	1—3/4"	3 PSI	 FF2 Full Function Valve
MIDKN28601	1—1/4"	4—3/8"	1—1/2"	3 PSI	

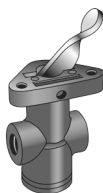
Part Number	Supply	Delivery	Control	Reservoir	Closing Pressure	Figure
MIDKN26000	2—3/8"	4—3/8"	1—3/8"	1—1/2" 1—3/8"	55 PSI	 RT-4 Spring Brake Valve
MIDKN26020	1—3/8" 1—plugged	4—3/8"	1—3/8"	1—1/2" 1—3/8"	70 PSI	

Part Number	Supply	Delivery	Control	Crack Pressure	Figure
MIDKN28140	1—1/2"	2—1/2"	1—1/4" 1—1/8"	4.0 ± 1 PSI	 Relay Valve
MIDKN28071	1—1/2"	2—1/2"	2—1/4"	4.0 ± 1 PSI	

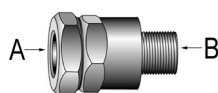
Part Number	Supply	Delivery	Control	Crack Pressure	Figure
MIDKN28131	2—1/2"	2—1/2"	2—1/4"	4.0 ± 1 PSI	
MIDKN28300	2—1/2"	2—1/2"	1—3/8" 1—plugged	0	
MIDKN28060	2—1/2"	2—3/8"	1—3/8" 1—plugged	4.6 ± 1.5 PSI	

Part Number	Supply	Delivery	Control	Crack Pressure	Figure
MIDA103600	1—3/4"	4—3/8"	1/4"	3.0 ± 1 PSI	

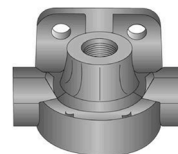
Part Number	Supply	Delivery	Reservoir	Emergency	Crack Pressure	Figure
MIDKN30200	1—3/8"	4—3/8"	1—3/4"	1—3/8"	4.5 ± 1 PSI	
MIDKN30300	1—1/4"	4—1/4"	1—3/4"	1—1/4"	4.5 ± 1 PSI	
MIDKN30400	1—1/4"	4—3/8"	1—3/4"	1—1/4"	4.5 ± 1 PSI	

Lever Control Valve


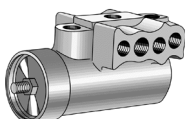
1. MIDKN20001

One-way Check Valve


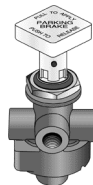
	A	B
1. MIDKN23000	1/2"	1/2"
2. MIDKN23010	3/8"	3/8"

Quick Release Valve


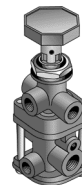
	Inlet	Outlet
1. MIDKN32011	1/2"	3/8"
2. MIDKN32060	3/8"	3/8"

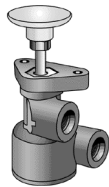
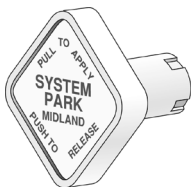
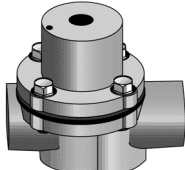
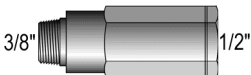
Piston Type Governor


1. MIDKN18530 1/8" ports

**Push-Pull Parking
Emergency/Brake Valve**


1. MIDKN20021 1/8" ports

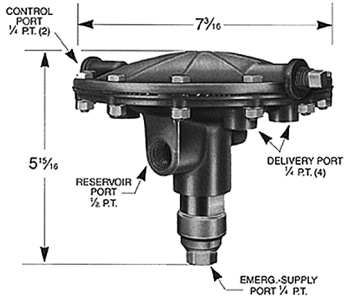
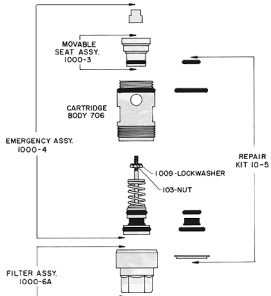
Push-Pull Trailer Air Supply Valve

1. MIDKN20025
Supply & Control 1/8" ports
Emergency & Delivery 1/4" ports

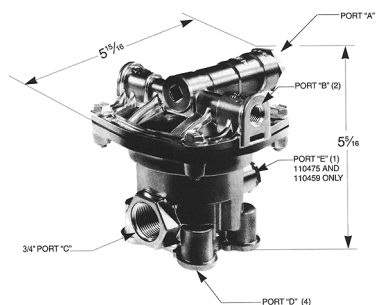
Push-Pull Panel Mount Valve 	Knob Kit for Pin Type Push-Pull Valve 	Knob Kit for Pin Type Push-Pull Valve 
1. MIDKN20031 1/4" ports	1. MIDKN20900	1. MIDKN20901
Knob Kit for Pin Type Push-Pull Valve 	Pressure Protection Valve with One-Way Check 	Pressure Protection Valve with One-Way Check 
1. MIDKN20903	1. MIDKN31000 Open PSI Closed PSI 65 45	1. MIDKN31170 50 PSI 2. MIDKN31171 75 PSI



**10.7.4: SEALCO REPLACEMENT
AIR VALVES & ACCESSORIES**

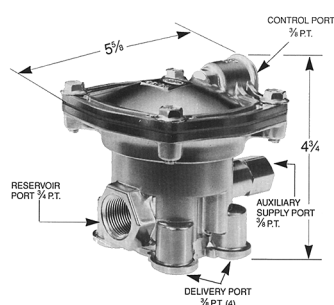


Relay Emergency Valve "Quick Fix"  Cracking pressure 1.5	Relay Emergency Repair Cartridge 
1. SEAA-1000-S	1. SEA1000-5A 2. SEA10-5 Complete assembly Seal repair kit only

Charging Relay Emergency Valve


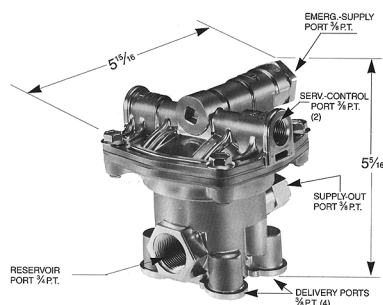
Cracking pressure 4.5

	A	B	Ratio	
1. SEA110200	1/4" NPT	1/4" NPT	Yes	
2. SEA110205	3/8" NPT	3/8" NPT	Yes	
3. SEA110470	3/8" NPT	3/8" NPT	No	

Service Relay Valve


Cracking pressure 4.5

1. SEA110139	Has ratio feature
2. SEA110450	No ratio feature

Non-charging Relay Emergency Valve


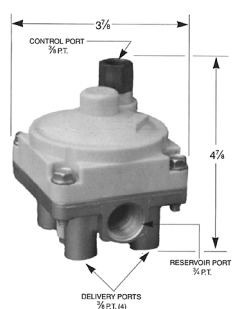
Cracking pressure 4.5

1. SEA110338	Used on convert dollies, turntable axles, and air lift axles
--------------	--

Plug Unit (repair)

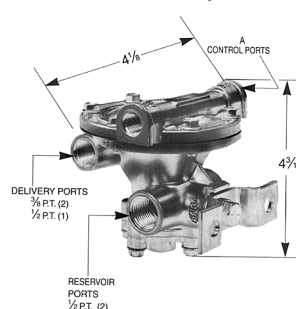
 used on: 110139, 110200, 110205
 110338, 110450, 110470

1. SEA110143

4-Port Service Relay Valve


Cracking Pressure

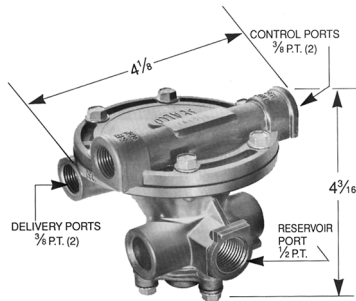
1. SEA110380	1.5
2. SEA110415	4.0

3-Port Service Relay Valve


Cracking Pressure 5.5

1. SEA9125	A = 2-1/4"
2. SEA110207	A = 2-3/8"
3. SEA9125-5	Plug unit

2-Port Service Relay Valve

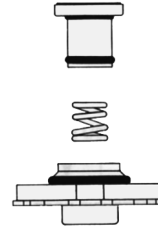


Cracking pressure 4.0

- SEA110197
- SEA110198

No nipple
Includes SEA6002

Plug Unit (repair)

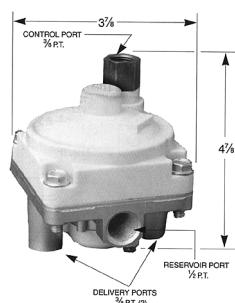


used on: 11017 & 110198

- SEA110227

Plug Unit

2-Port Service Relay Valve



Checking pressure 4.5

- SEA110360
- SEA110365
- SEA110410

Cracking Pressure

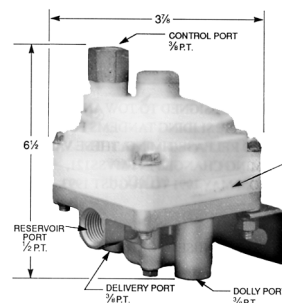
1.5

With Bracket

1.5

4.0

Control Line Valve

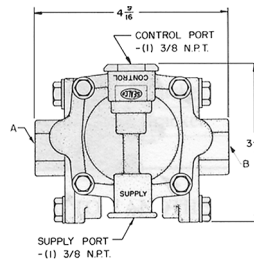
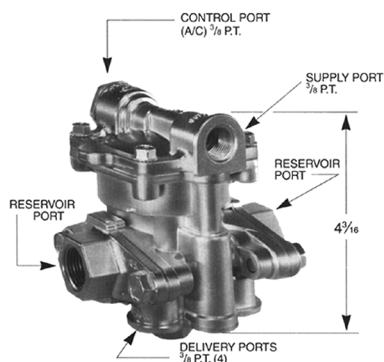


Cracking pressure 0.0

- SEA110570

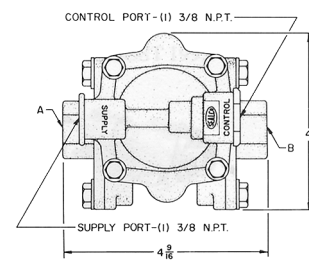
Frame mount

Spring Brake Control Valve



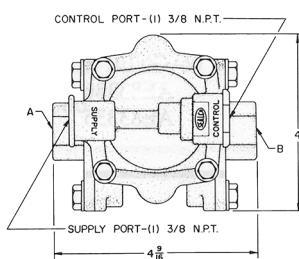
Replaces: 110180, 110190, 111170, 111180, 111190, 112170, 112180, 112190, & B.F.G. 1659-8

- | | A | B |
|--------------|----------|----------|
| 1. SEA110170 | 1/2" NPT | 1/2" NPT |

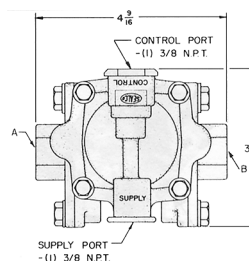


Replaces: 110230, 110305, 111171, 111230, 111305, 112171, 112230, & 112305

- | | A | B |
|--------------|----------|----------|
| 1. SEA110171 | 1/2" NPT | 3/8" NPT |

Plug Unit (repair)


Replaces: 110192, 110193, 111191, 111192, 111193, 112191, 112192, & 112193

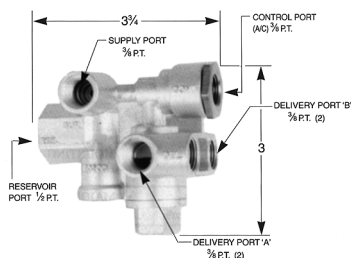


Replaces: 110316 & 110317

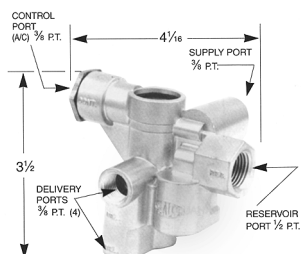
- | | |
|--------------|--------------------|
| 1. SEA110165 | |
| 2. SEA110175 | Pre-10-92 trailers |

- | | | |
|--------------|----------|----------|
| | A | B |
| 1. SEA110191 | 3/8" NPT | 1/2" NPT |

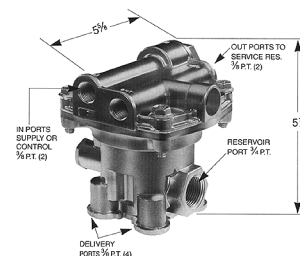
- | | | |
|--------------|----------|----------|
| | A | B |
| 1. SEA110315 | 1/2" NPT | 3/8" NPT |

Spring Break Control Valve


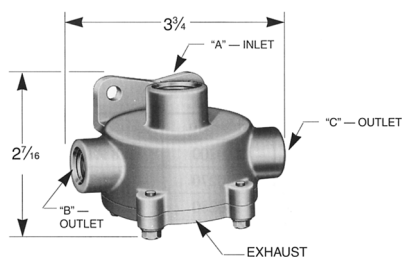
- | |
|--------------|
| 1. SEA110500 |
|--------------|

Service Reservoir Priority System


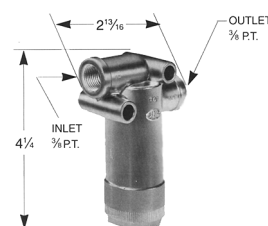
- | |
|--------------|
| 1. SEA110700 |
|--------------|

Spring Break Control Valve (early version)


- | | |
|--------------|-----------|
| 1. SEA110147 | |
| 2. SEA110143 | Plug unit |

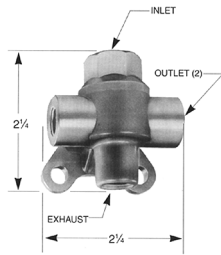
Quick Release Valves


- | | A | B | C | Cracking Pressure |
|-----------------|------|------|------|-------------------|
| 1. SEA2000D-3/8 | 3/8" | 1/4" | 1/4" | 0-1 |
| 2. SEA2000D-1/2 | 1/2" | 3/8" | 3/8" | 0-1 |
| 3. SEA200000 | 1/4" | 1/4" | 1/4" | 0-1 |
| 4. SEA200001 | 3/8" | 3/8" | 3/8" | 0-1 |

Line Filter


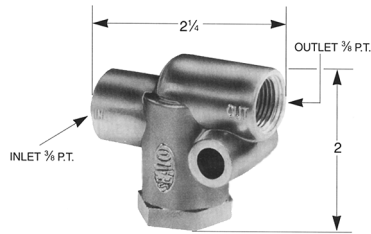
- | |
|------------|
| 1. SEA2550 |
|------------|

Spring Brake Exhaust Valve



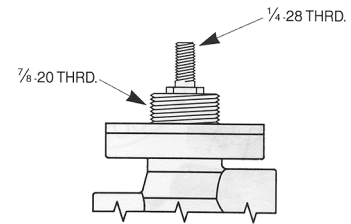
- | | |
|--------------|-----------|
| 1. SEA7800 | 1/4" NPT |
| 2. SEA780210 | 3/8" NPTs |

Pressure Protection Valve



- | | | |
|--------------|-----------|-----------|
| 1. SEA110257 | open | close |
| 2. SEA110258 | 75 P.S.I. | 70 P.S.I. |
| | 95 P.S.I. | 90 P.S.I. |

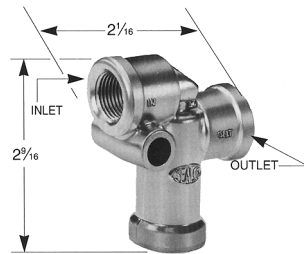
Hand Control Valve



with black plastic knob

- | | |
|--------------|-----------------------|
| 1. SEA110512 | Parking brake release |
|--------------|-----------------------|

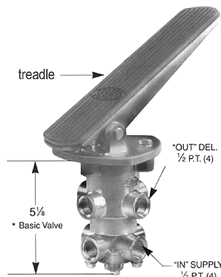
Pressure Protection Valve



Pressure Protection Valve

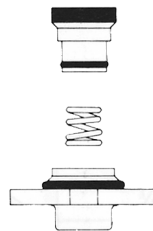
	Port size	Open P.S.I.	Closed P.S.I.
1. SEA140200	3/8"	60	50
2. SEA140270	3/8"	70	60
3. SEA140280	3/8"	80	70
4. SEA140290	3/8"	90	80
5. SEA140370	1/4"	70	60

Single Circuit Foot Valve



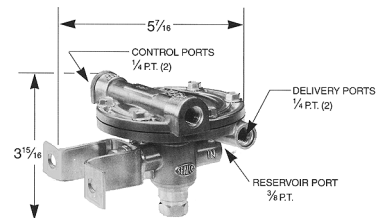
- | | |
|--------------|-------------|
| 1. SEA6125 | As pictured |
| 2. SEA6125-2 | No treadle |

Plug Unit (repair)



- | |
|--------------|
| 1. SEA6125-5 |
|--------------|

Mini-Valve



Cracking pressure 2.5

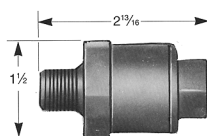
- | |
|------------|
| 1. SEA3100 |
|------------|

Plug Unit (repair)



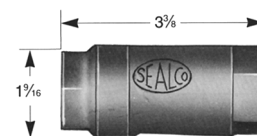
- | |
|--------------|
| 1. SEA3100-5 |
|--------------|

One-Way Check Valve

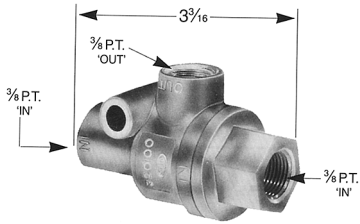
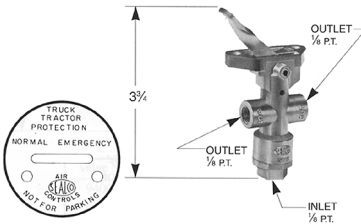
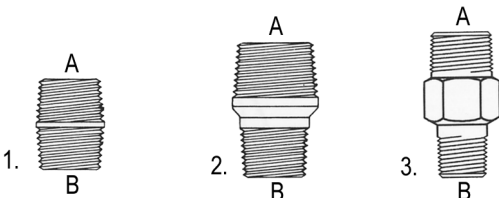


- | | |
|------------------|------------|
| 1. SEAL10200-1/2 | 1/2" ports |
|------------------|------------|

One-Way Check Valve



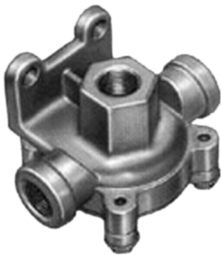
- | | |
|----------------|------------|
| 1. SEA2200-1/2 | 1/2" ports |
|----------------|------------|

Two-Way Check Valve  1. SEA320100	Lever Control Valve  1. SEA21600 2. SEA21600-2 w/out face plate	Seat  1. SEA501T												
Diaphragm  1. SEA503	Heavy Duty Nipples  <table border="1"> <thead> <tr> <th></th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>1. SEA6002</td> <td>1/2" NPT</td> <td>1/2" NPT</td> </tr> <tr> <td>2. SEA6003</td> <td>3/4" NPT</td> <td>1/2" NPT</td> </tr> <tr> <td>3. SEA616</td> <td>3/4" NPT</td> <td>1/2" NPT</td> </tr> </tbody> </table>			A	B	1. SEA6002	1/2" NPT	1/2" NPT	2. SEA6003	3/4" NPT	1/2" NPT	3. SEA616	3/4" NPT	1/2" NPT
	A	B												
1. SEA6002	1/2" NPT	1/2" NPT												
2. SEA6003	3/4" NPT	1/2" NPT												
3. SEA616	3/4" NPT	1/2" NPT												

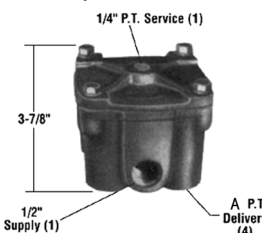
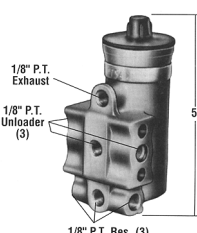
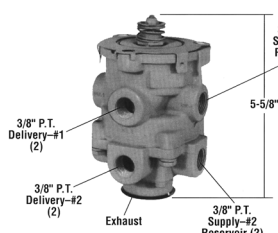
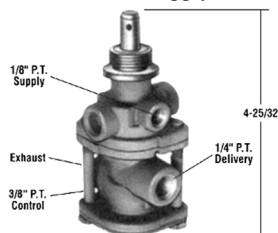
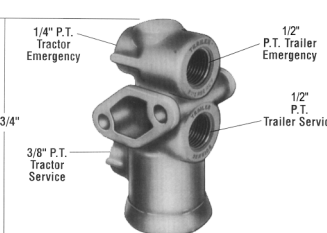
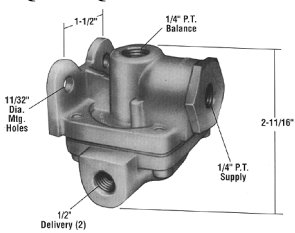
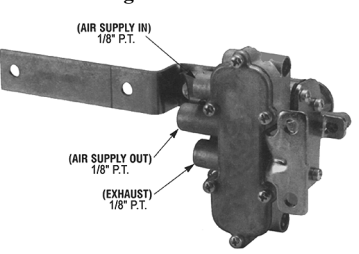
TRAMEC

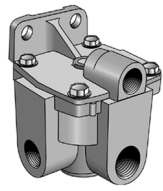
**10.7.5: TRAMEC REPLACEMENT
AIR VALVES AND ACCESSORIES**

TRAMEC

Quick Release Valve  Cracking pressure 0.0 1. TRA51107	Quick Release Valve for Air Ride Axles  Cracking pressure 0.0 1. TRA51143	In-Line Quick Release Valve  1. TRA51152 1/2" tube input
Trailer Emergency Valve (TEV)  1. TRA51301	4 Port Relay Valve  Cracking pressure 4.0 1. TRA51444	

10.7.6: MARTEC REPLACEMENT AIR VALVES

R-12 Relay Valve with Bracket  Vertical ports 1. MTR065104 3/8" 2. MTR102626 1/2" 3. BEN102626 1/2"	D-2 Governor  1. MTR275491 2. BEN275491 3. BEN275491X 4. BEN284358 Rebuilt Hi-Temp	E-6 Dual Brake Valve  1. MTR286171 2. BEN229216
PP-7 Trailer Supply Valve  1. MTR288239 Exhaust port threaded 2. BEN106113	TP-3 Tractor Protection Valve  1. MTR279000	QR-1C Quick Release Valve  1. MTR289714
A-3546 Transmission Range Valve  1. MTRA3546	Controlled Response Height Control Valve  1. MTR90054007 1/4" tubing 2. NEW900-54-007 1/4" tubing 3. NEW905-54-183 3/8" tubing	

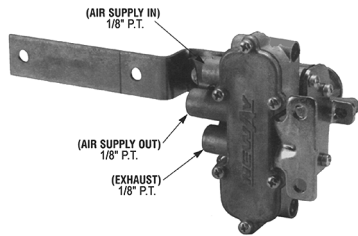
MTR Part Number	Midland Part Number	Supply	Delivery	Reservoir	Crack Pressure	Figure
MTRKN28500	MIDKN28500	2—3/8"	2—3/8"	1—1/4"	5.5 ± 1 PSI	
MTRKN28510	MIDKN28510	1—1/2" 1—3/8"	2—3/8"	1—1/4"	5.5 ± 1 PSI	
MTRKN28520	MIDKN28520	2—1/2"	2—1/2"	1—1/4"	5.5 ± 1 PSI	
	MIDKN28531	1—3/8" 1—1/2"	2—3/8"	1—1/4"	5.5 ± 1 PSI	

10.8 Air Ride Height Control Valves

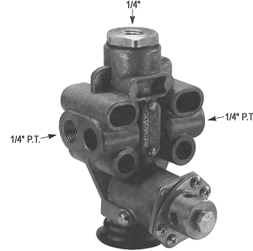
NEWAY

10.8.1: NEWAY AIR RIDE HEIGHT CONTROL REPLACEMENT VALVES

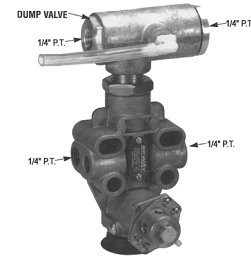
NEWAY



- | | |
|------------------|-------------|
| 1. NEW900-54-007 | 1/4" tubing |
| 2. MTR90054007 | 1/4" tubing |
| 3. NEW905-54-183 | 3/8" tubing |



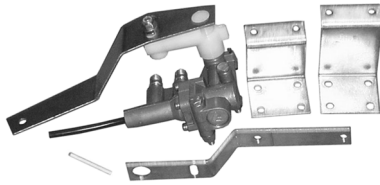
1. NEW905-54-241



1. NEW905-54-271

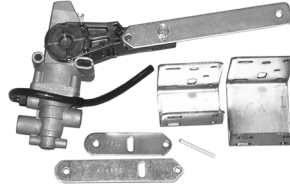
hadley

Universal Kit



- | | |
|----------------|---------------|
| 1. HADH00450CE | Universal kit |
|----------------|---------------|

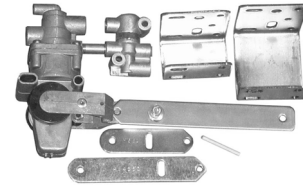
Intergal Dump Port



1. HADH00500C

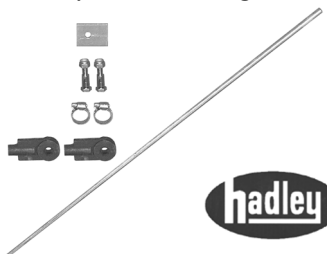
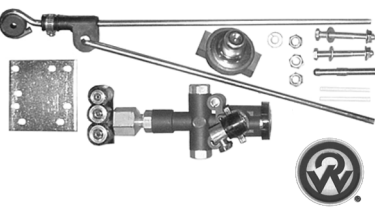
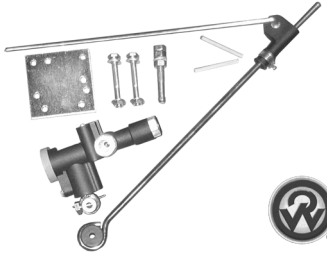
hadley

Intergal Dump Valve



1. HADH00500CA

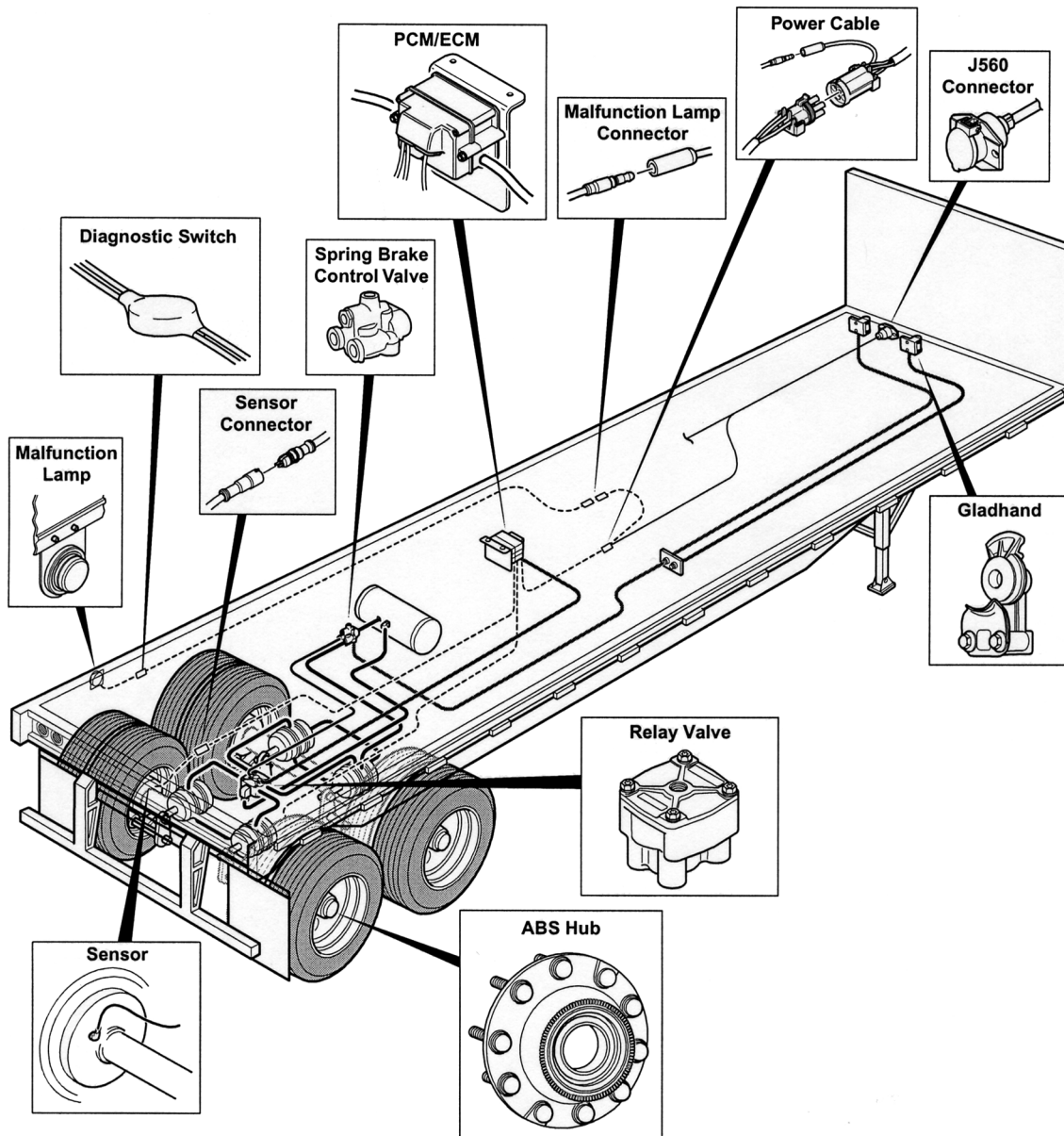
10.8.3: MISCELLANEOUS AIR RIDE HEIGHT CONTROL
REPLACEMENT VALVES & LINKAGE KITS

Hadley Universal Linkage Kit   1. HADHPB450-3	Haldex Air Leveling Valve W/ Linkage   1. MIDKN27000	Ridewell Air Height Control Valve   1. RDW6240604
Ridewell Air Height Control Valve   1. RDW6240604		

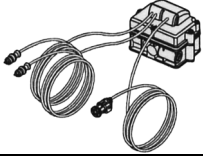
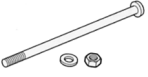
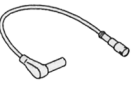
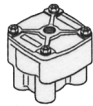
10.9 ABS Systems

10.9.1: WABASH ABS SYSTEMS

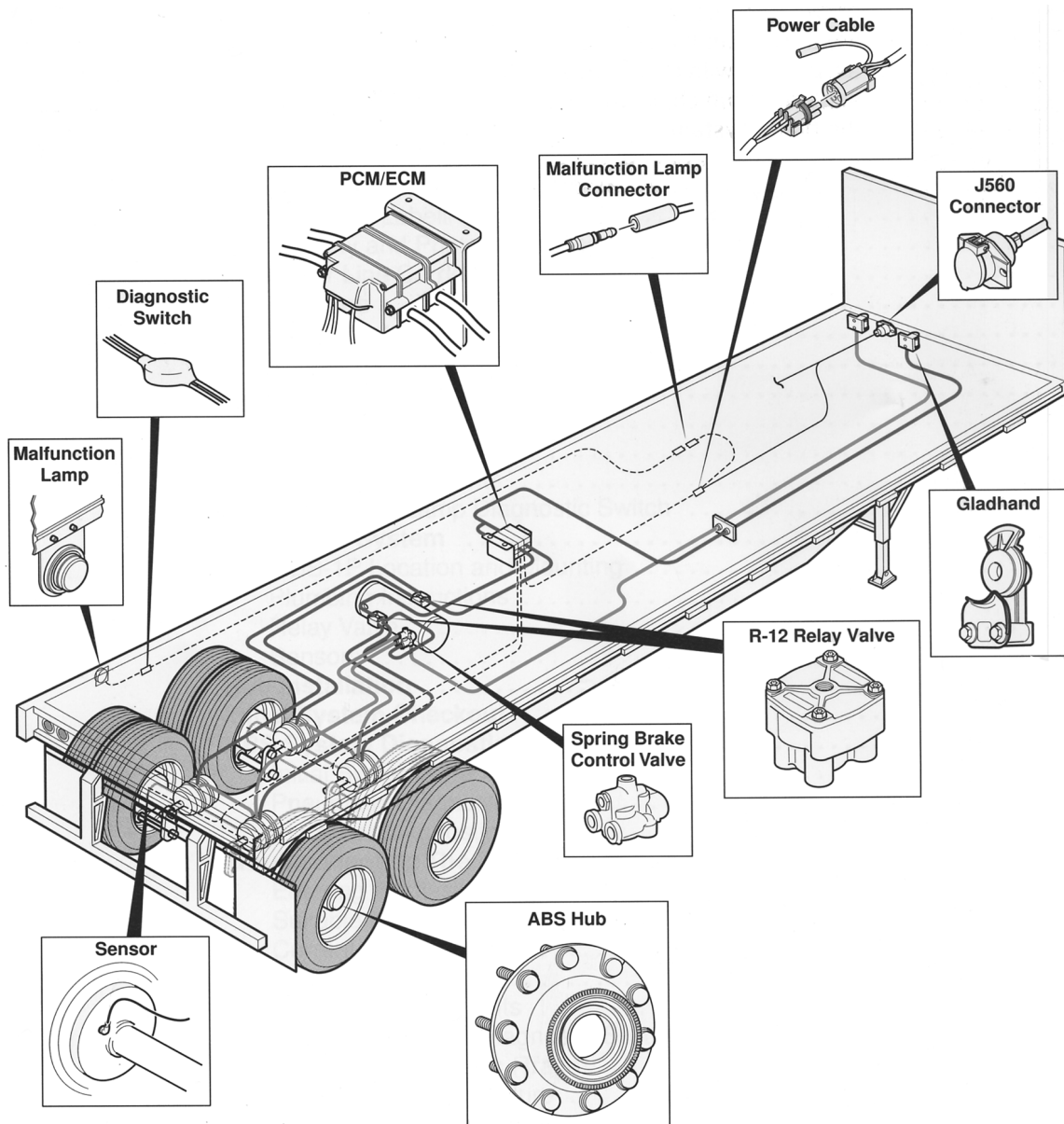
10.9.1.1: WABASH MBS-1 (PROMBS1-1)



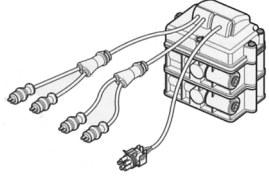
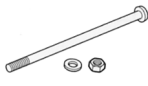
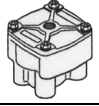
Wabash's MBS-1 & MBS-2 systems includes unique ABS components as well as interfacing with standard trailer components

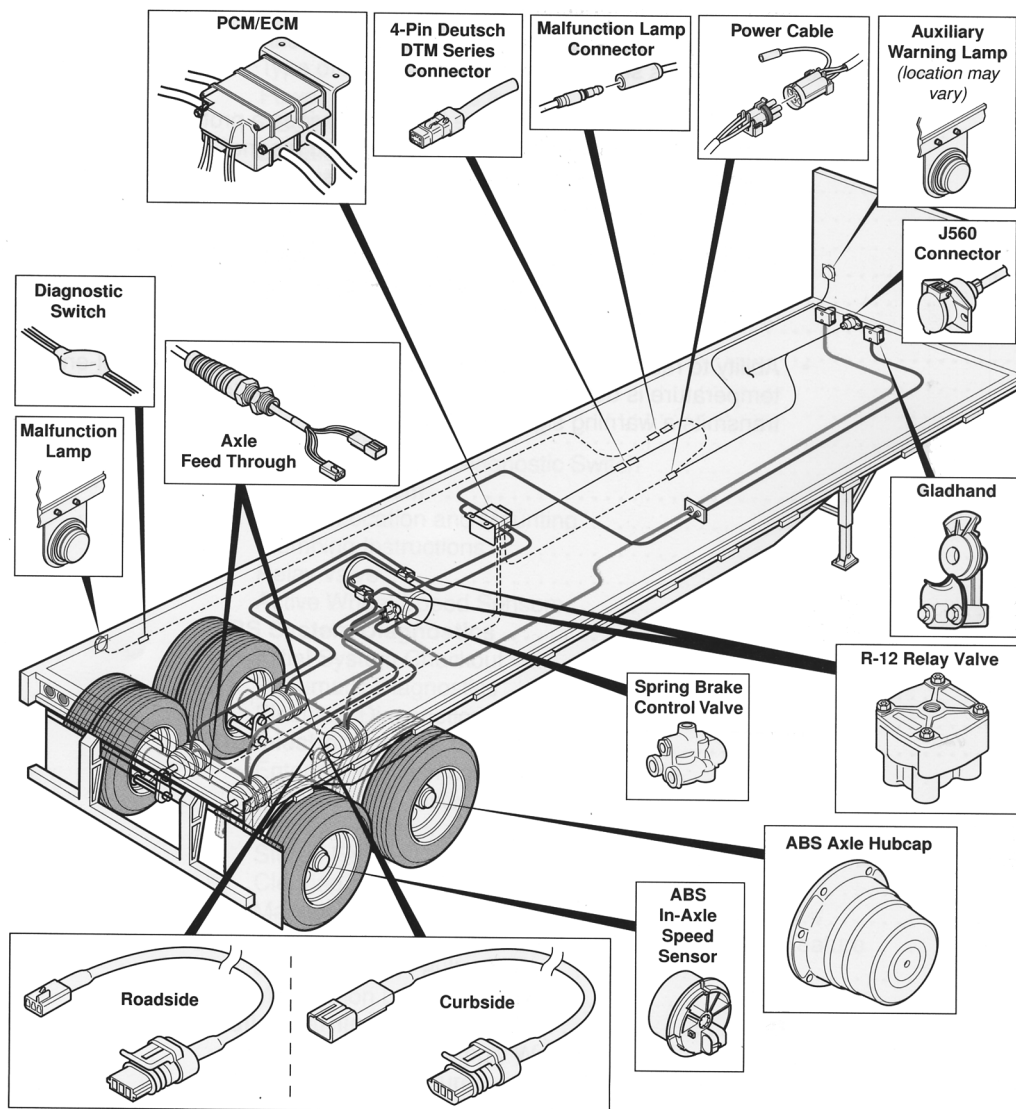
Part Number	Description	Quantity required	Figure
WAB10800260 for reference only replaced by WAB10800313	MBS-1 MBS1-P	1 1	
WAB12S00475	MBS-1 Mounting Bracket (optional)	1	
BLT00650 NUT00007 WSH00010	Bolt Nut Washer	2 2 2	
MIDAL10271914	ABS Sensor	2	
MIDA59512309	ABS Sensor Clip	2	
WAB14401359	ABS Wiring Harness	1	
WAB14401744	ABS Malfunction Lamp Harness w/Diagnostic Switch	1	
20TL30275Y	Yellow ABS Malfunction Lamp	1	
20TL30702	Closed Back Malfunction Lamp Grommet	1	
WAB14A00054	Straight Malfunction Lamp Mounting Bracket	1	
WAB14A00050	90 degree Malfunction Lamp Mounting Bracket	1	
WAB12900570	Relay Valve	1	
WAB25000978	Flash Code Label	1	

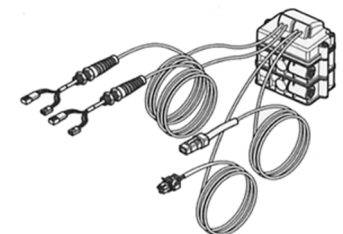
10.9.1.2: WABASH MBS-1P (PROMBS1-2)

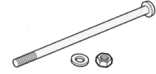
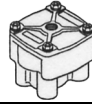


The Wabash MBS-1P enhances the original MBS-1 system by adding Power Line Carrier (PLC) and expanding the number of configuration options.

Part Number	Description	Quantity required	Figure
WAB10800314 WAB10800313	Short 2S-1M Power Cable Long 2S-1M Power Cable	1	
WAB10800357 WAB10800358	Short 2S-2M Power Cable Long 2S-2M Power Cable	1	
WAB10800362 WAB10800353	Short 4S-1M Power Cable Long 4S-1M Power Cable	1	
WAB10800359 WAB10800360	Short 4S-2M Power Cable Long 4S-2M Axle By Axle	1	
WAB10800361 WAB10800349	Short 4S-2M Power Cable Long 4S-2M Side By Side	1	
WAB12S00475	MBS-1 Mounting Bracket (optional)	1	
BLT00650 BLT00732 NUT00007 WSH00010	Bolt (3-1/2" 1M system) Bolt (5-1/2" 2M system) Nut Washer	2 2 2 2	
WAB10800225 WAB10800123 WAB10800068	Bosh ABS Sensor Wabco ABS Sensor Midland ABS Sensor	2	
WAB10800226 WAB10800009 WAB10800069	Bosh ABS Sensor Clip Wabco ABS Sensor Clip Midland ABS Sensor Clip	2	
WAB14401359	ABS Wiring Harness	1	
WAB14401744	ABS Malfunction Lamp Harness w/Diagnostic Switch	1	
20TL30275Y	Yellow ABS Malfunction Lamp	1	
20TL30702	Closed Back Malfunction Lamp Grommet	1	
WAB14A00054	Straight Malfunction Lamp Mounting Bracket	1	
WAB14A00050	90 degree Malfunction Lamp Mounting Bracket	1	
WAB12900570	Relay Valve	1	
WAB25000945	Flash Code Label	1	

10.9.1.3: WABASH MBS-2 (PROMBS2-1)


Part Number	Description	Quantity required	Figure
WAB10800316 WAB10800317	Short 2S-1M w/168" Power Cable Long 2S-1M w/30" Power Cable	1	
WAB10800318 WAB10800319	Short 2S-2M w/168" Power Cable Long 2S-2M w/30" Power Cable	1	
WAB10800320 WAB10800321	Short 4S-1M w/168" Power Cable Long 4S-1M w/30" Power Cable	1	
WAB10800315 WAB10800324	Short 4S-2M w/168" Power Cable Long 4S-2M w/30" PC (Axle By Axle)	1	
WAB10800322 WAB10800323	Short 4S-2M w/168" Power Cable Long 4S-2M w/30" PC (Side By Side)	1	

Part Number	Description	Quantity required	Figure
WAB10600482	ABS Hub Cap for In-Axle Sensor with TP-Spindle 6 Hole	2 or 4	
WAB10800294	Spindle Extension Adapter for In-Axle Sensor (Aluminum Hub)	2 or 4	
WAB10800282	Curbside In-Axle Sensor	1 or 2	
WAB10800283	Roadside In-Axle Sensor	1 or 2	
BLT00722	Speed Sensor Mounting Bolt (Standard Hub)	2 or 4	Standard  Aluminum 
BLT00511	Speed Sensor Mounting Bolt (Aluminum Hub)	2 or 4	
WSH00152	Mounting Bolt Wave Washer (Standard Hubs)	2 or 4	Standard  Aluminum 
WSH00153	Mounting Bolt Lockwasher (Aluminum Hubs)	2 or 4	
WAB1800291	Curbside In-Axle Speed Sensor Harness	1 or 2	Curbside Shown 
WAB1800292	Roadside In-Axle Speed Sensor Harness	1 or 2	
WAB12S00475	MBS-1 Mounting Bracket (optional)	1	
BLT00650 BLT00732 NUT00007 WSH00010	Bolt (3-1/2" 1M system) Bolt (5-1/2" 2M system) Nut Washer	2 2 2 2	
WAB14401359	ABS Wiring Harness	1	
WAB14401744	ABS Malfunction Lamp Harness w/Diagnostic Switch	1	
20TL30275Y	Yellow ABS Malfunction Lamp	1	
20TL30702	Closed Back Malfunction Lamp Grommet	1	
WAB14A00054	Straight Malfunction Lamp Mounting Bracket	1	
WAB14A00050	90 degree Malfunction Lamp Mounting Bracket	1	
WAB12900570	Relay Valve	1	
WAB25000945	Flash Code Label	1	