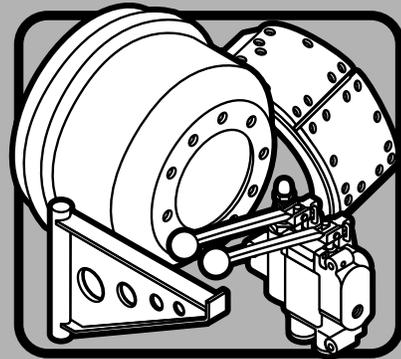


**MP-RTN-01**

Serial Number Q27423 and up



# **BLACKHAWK RTN Series Trailers**



**Repair Parts**



**ETNYRE TRAILER CO., 1333 S. Daysville Road Oregon, Illinois 61061-9778**  
Phone: 815 732 2116 or 800 995 2116 FAX: 800 521 1107 [www etnyre com](http://www.etnyre.com)

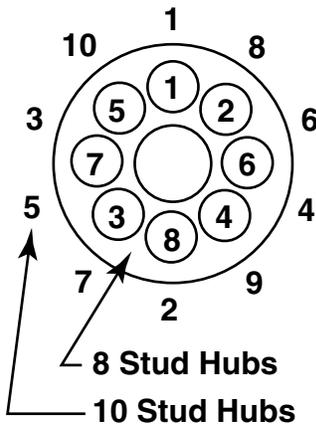
# WEBB Torque Specifications

## HUBS

(for Pilot Mounted Disc-Wheels)

### 8 - 10 Stud Hubs

Applies to M22 X 1.5 studs/two piece flange nut.



NOTE: All threads are right hand metric.

1. Tighten Flange Nuts to 50 ft. lb. using sequence shown.

2. Check Disc-Wheel for proper positioning on pads and proper seating against flange.

3. Tighten Flange Nuts to recommended torque of 450-500 ft-lbs using sequence shown.

**Recommended Torque Dry: 450 - 500 ft. lbs.**

# DANGER

Read and Understand the installation, service and safety instructions manual before installing or servicing the hub. Failure to do so may result in personal injury or death, and may result in a compromise of your vehicle's safety through loss or failure of a wheel or compromise the braking system.

Use a torque wrench to assure proper torque, failure to do so will compromise your products service, life and safety. Under torque and over torque can cause thread and/or nut damage, and may result in the loss of a wheel.

Recheck torque after the first 50 to 100 miles of service. Parts may seat naturally, causing the torque to drop. Proper torque is essential for the service, life and safety of this product.

## MP-RTN-01

Serial Number Q27423 thru Q28319

### RTN SERIES TRAILER PARTS MANUAL

#### HOW TO ORDER PARTS

To assure prompt delivery when ordering parts, please furnish the following information: **1)** Complete name and address of consignee. **2)** Method of shipment preferred. **3)** Is shipment to be prepaid or collect? **4)** Serial numbers of units to which parts apply. **5)** Complete part numbers and descriptions. **6)** Any special instructions.

***Specify unit serial number when ordering parts!***

#### WARRANTY

Etnyre Trailer Co. warrants to the original Purchaser, it's new product to be free from defects in material and workmanship for a period of one (1) year after date of delivery to original Purchaser. The obligation of the Company is limited to repairing or replacing any defective part returned to the Company and will not be responsible for consequential damages or any further loss by reason of such defect.

**The company excludes all implied warranties of merchantability and fitness for a particular purpose. There are no warranties, express or implied, which extend beyond the description of the goods contained in this contract.**

This warranty does not obligate the Company to bear the cost of machine transportation in connection with the replacement or repair of defective parts, nor does it guarantee repair or replacement of any parts on which unauthorized repairs or alterations have been made or for components not manufactured by the Company except to the extent of the warranty given by the original Manufacturer.

This warranty does not apply to:

- (1) Normal start-up services, normal maintenance services or adjustments usually performed by the selling dealer, factory service representative or customer personnel.
- (2) Any product manufactured by Etnyre Trailer Co. purchased or subjected to rental use.
- (3) Any product or part thereof which shows improper operation, improper maintenance, abuse, neglect, damage or modification after shipment from factory.
- (4) Any product or part thereof damaged or lost in shipment. Inspection for damage should be made before acceptance or signing any delivery documents releasing responsibility of the delivering carrier.

This warranty and foregoing obligations are in lieu of all other obligations and liabilities including negligence and all warranties of merchantability or otherwise, express or implied in fact or by law.



ETNYRE TRAILER CO., Oregon, Illinois 61061-9778

1333 South Daysville Road Phone: 800-995-2116 Fax: 800-521-1107 www.etnyre.com

## Safety Precautions, Hazard Seriousness Level

You will find safety information boxes throughout this manual. These boxes contain information alerting you to situations or actions to avoid.

Signal words (DANGER, WARNING and CAUTION) are used to identify levels of hazard seriousness. Their selection is based on the likely consequence of human interaction with a hazard. Definitions of hazard levels are as follows.

-  **DANGER** - Immediate hazards which **will** result in severe personal injury or death.
-  **WARNING** - Hazards or unsafe practices which **could** result in severe personal injury or death.
-  **CAUTION** - Hazards or unsafe practices which could result in minor personal injury or product or property damage.

### CALIFORNIA

#### Proposition 65 WARNING

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

Please note this warning and remember -

Always start and operate the engine in a well ventilated area;

If in an enclosed area, vent the exhaust to the outside;

Do not modify or tamper with the exhaust system.

### WARNING

Do not use this machine for any operation which is not described in this manual.

If you have any questions about operation of this machine, contact the Etnyre Service Department at  
1-800-995-2116 or 1-815-732-2116.

Operations that are not approved could cause serious injury or death.

### WARNING

#### FLUOROELASTOMER HANDLING

Some O-rings and seals used in this vehicle are made from fluoroelastomers. When used under design conditions, fluoroelastomers do not require special handling. However, when fluoroelastomers are heated to temperatures beyond their design temperature (around 600° Fahrenheit), decomposition may occur with the formation of hydrofluoric acid. Hydrofluoric acid can be extremely corrosive to human tissue if not handled properly.

A degraded seal may appear as a charred or black sticky mass. Do not touch either the seal or the surrounding equipment without wearing neoprene or PVC gloves if degradation is suspected. Wash parts and equipment with 10% lime water (calcium hydroxide solution) to neutralize any hydrofluoric acid.

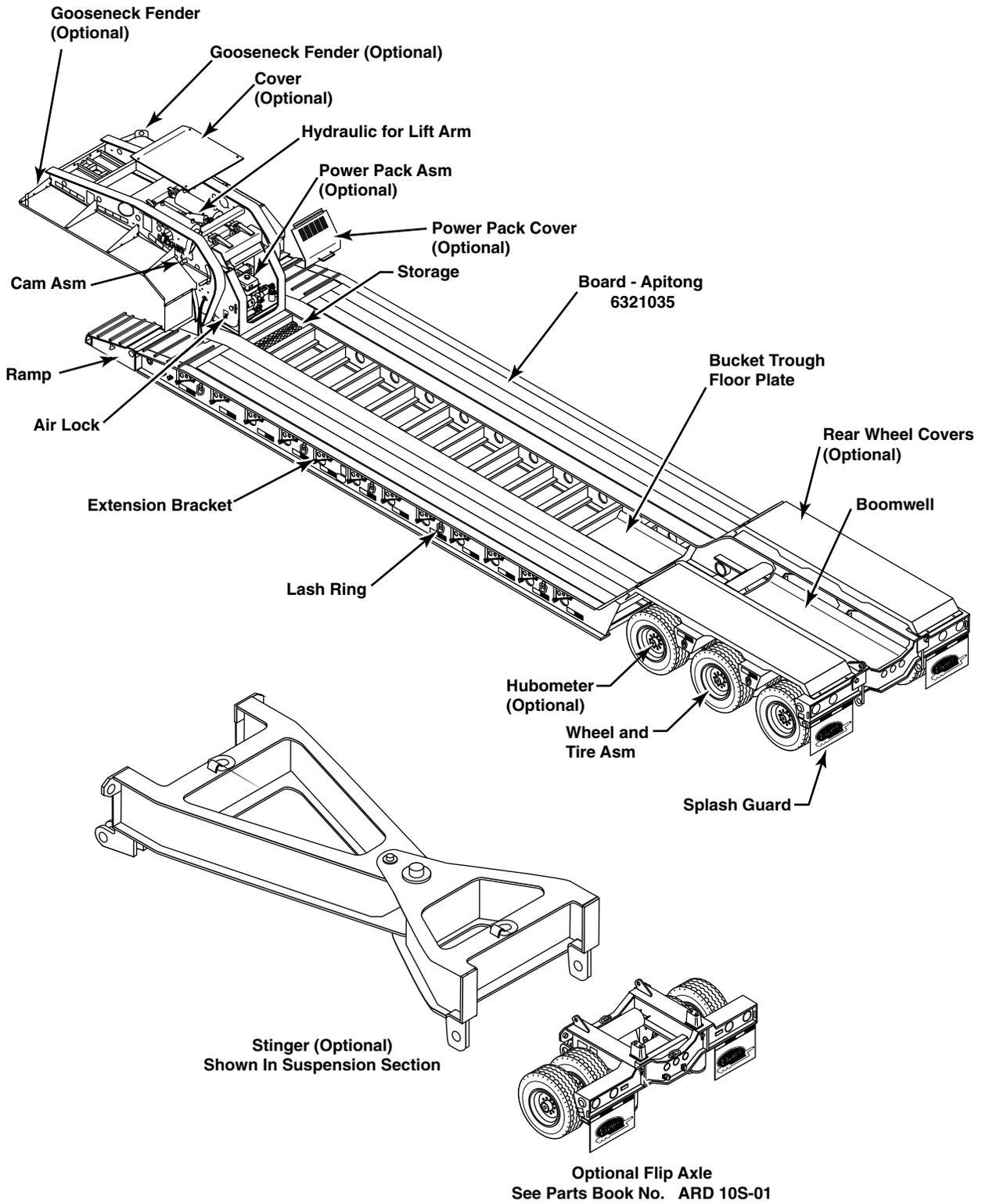
If contact with the skin occurs, wash the affected areas immediately with water. Then rub a 2.5 calcium gluconate gel into the skin until there is no further irritation, while seeking prompt medical attention.

Note to Physicians: For advice or treatment of HF burns, call the DuPont Medical Emergency number, 1-800-441-3637

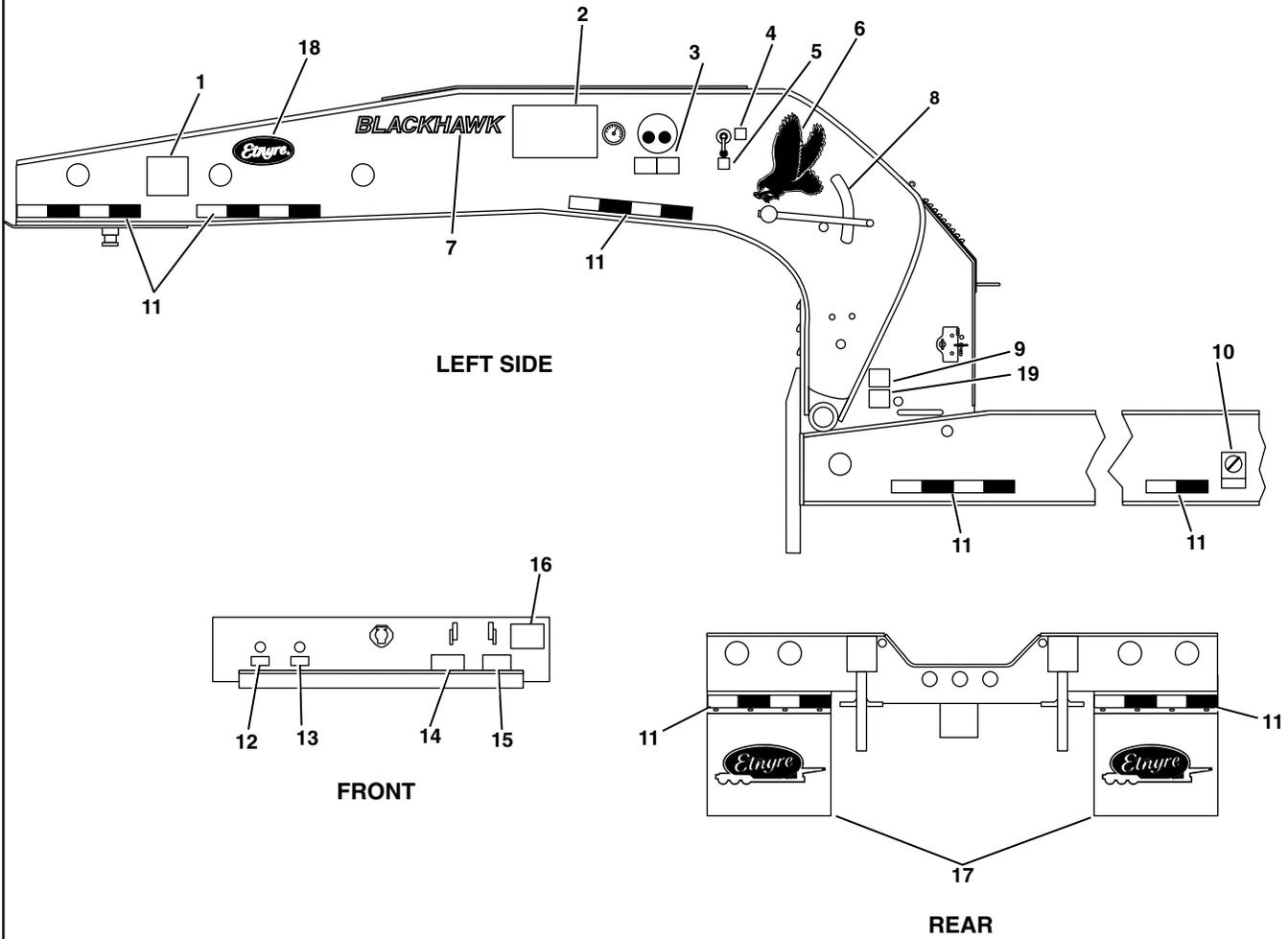
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### GENERAL IDENTIFICATION

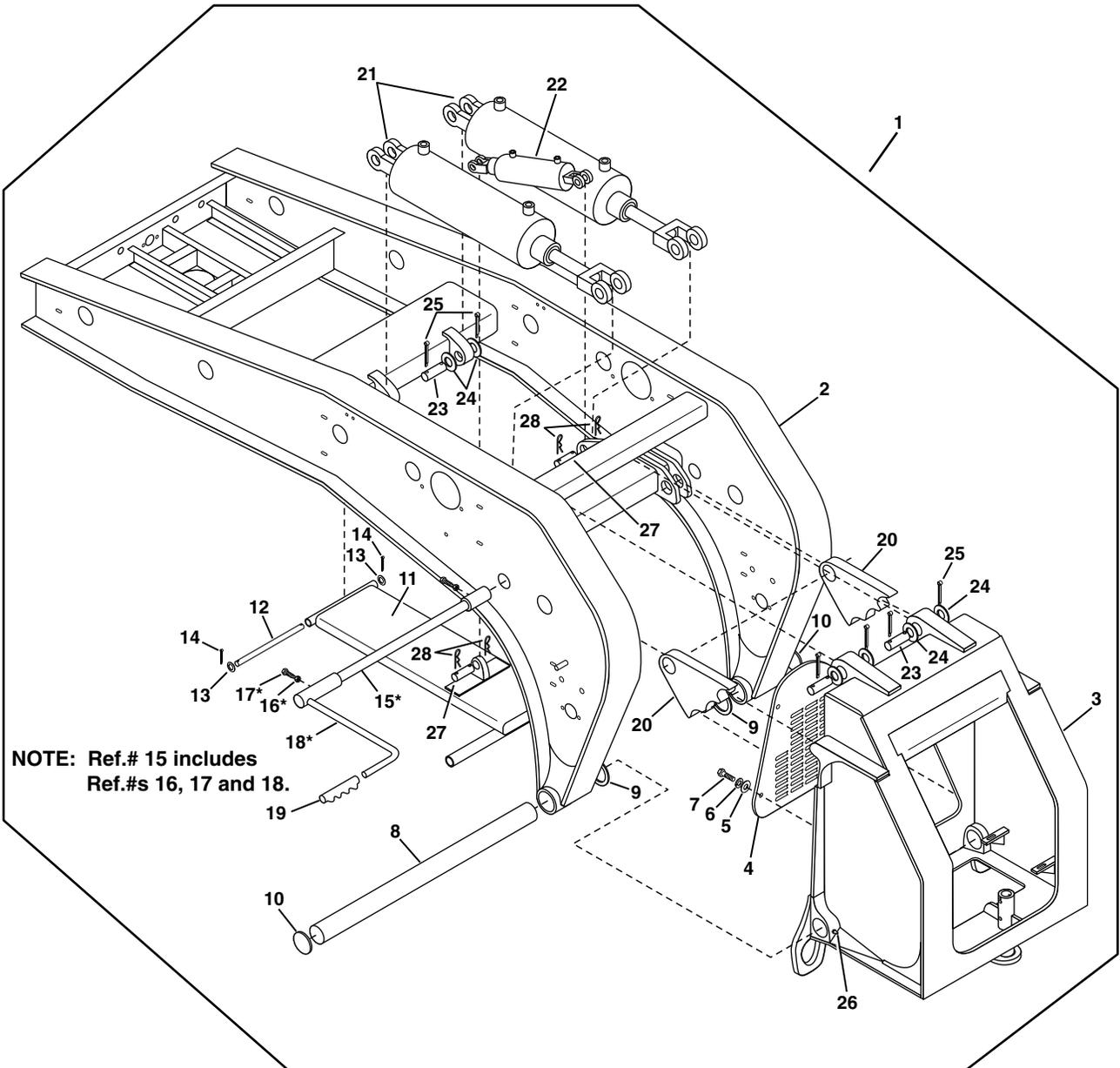


### DECAL LOCATION



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q506064	1	Plate: Serial No. Plate, Trailer	10	Q471243	2	Decal: Warning, Sideload
2	Q514337	1	Decal: Operating Instruct., RTN	11	2790527	60	Tape-Conspicuity, 2 In., Red/White
3	Q512850	1	Decal: Gneck Supt, Pltf, Ht	12	Q451436	1	Decal: Return
4	Q513124	1	Decal: Lift Arm Release Pos.	13	Q451435	1	Decal: Pressure
5	Q513123	1	Decal: Lift Arm Storage Pos.	14	Q401734	1	Decal: Attention T1 Steel
6	Q512962	1	Decal: Bird, RH	15	Q452390	1	Decal: Trademark, Patents
	Q513296	1	Decal: Bird, LH	16	Q452415	1	Decal: Warning Proper Trl Oper
7	Q512963	2	Decal: Word (Blackhawk)	17	Q419538	1	Splash Guard Group
8	Q509853	1	Decal: Deck Height, 3 Pos	18	Q513361	2	Decal: Etnyre Oval, Trailer
9	Q513970	1	Decal: Gneck Air Lock Control	19	Q513963	1	Decal-Caution,Gooseneck Deck Lock

### GOOSENECK ASSEMBLIES

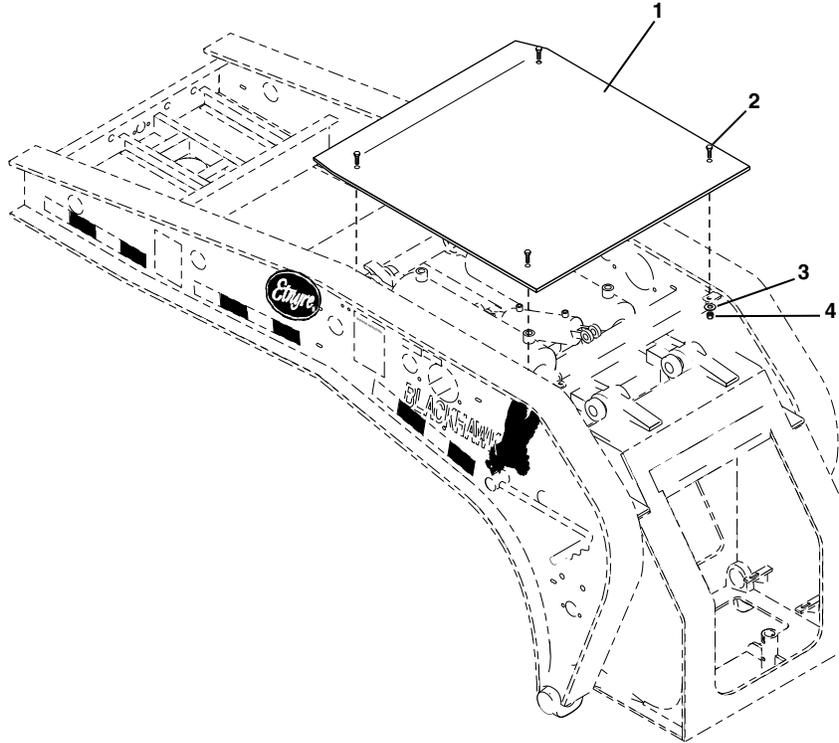


**NOTE:** Ref.# 15 includes  
Ref.#s 16, 17 and 18.

## GOOSENECK ASSEMBLIES

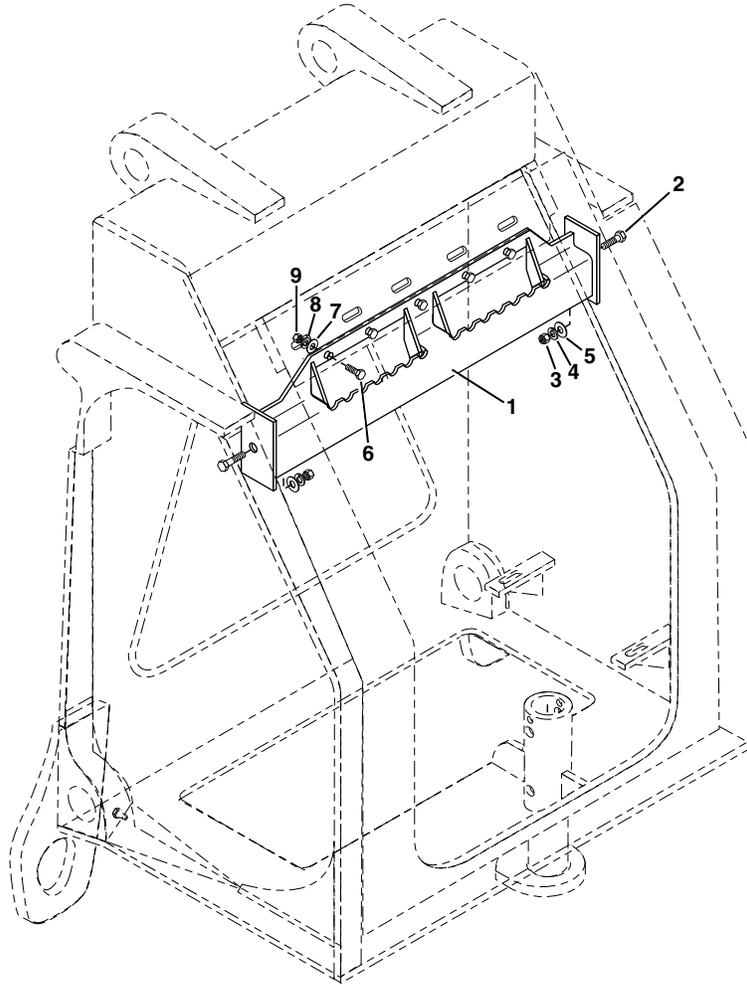
REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q509564	1	Gooseneck Asm-35 Ton, 84 Swing				
	Q512562	1	Gooseneck Asm-55 Ton, 84 Swing				
	Q512872	1	Gooseneck Asm-55 Ton, 84 Swing				
	Q512011	1	Gooseneck Asm-55 Ton, 84 & 108 Swing				
	Q513086	1	Gooseneck Asm-35 Ton, 96 Swing				
	Q512683	1	Gooseneck Asm-55 Ton, 96 Swing				
	Q511236	1	Gooseneck Asm-55 Ton, 108 Swing				
	Q512969	1	Gooseneck Asm-55 Ton, 114 Swing				
2	Q509561	1	Gooseneck Weldment-84 Swing, 35 Ton				
	Q512563	1	Gooseneck Weldment-84 Swing, 55 Ton				
	Q512873	1	Gooseneck Weldment-84 Swing, 55 Ton				
	Q512012	1	Gooseneck Weldment-84 & 108 Swing, 55T				
	Q513088	1	Gooseneck Weldment-96 Swing, 35 Ton				
	Q512684	1	Gooseneck Weldment-96 Swing, 55 Ton				
	Q511237	1	Gooseneck Weldment-108 Swing, 55 Ton				
	Q512968	1	Gooseneck Weldment-114 Swing, 55 Ton				
3	Q509563	1	Link Asm-35 Ton, Blkhwk 2000				
	Q509996	1	Link Asm-55 Ton, Blkhwk 2000				
	Q502885	1	Link Asm-55 Ton, Blkhwk 2000				
	Q509268	1	Link Asm-55 Ton, Blkhwk 2000				
4	Q509350	1	Rock Guard-Link Asm, 55 Ton				
5	0120390	4	Washer-Flat, 0.50A, W, PD				
6	0120384	4	Washer-Lock, 0.50, Spring, PD				
7	0180175	4	Screw-Hex, 0.50NC x 1.25, GR5, PD				
8	Q509305	1	Shaft-Gn, Main, 55 Ton, 108 Swing				
	Q512890	1	Shaft-Gn, Main, 55 Ton				
9	Q497240	2	Washer-Main Shaft, Gooseneck				
10	Q497235	2	End Cap, Main Shaft, Gooseneck				
11	Q509315	1	Lift Arm Asm-55 Ton Gn				
12	Q509320	1	Pin-Hinge, Lift Arm, 55 Ton Gn				
13	0103347	2	Washer-Flat, 0.88A(.938 x 1.75), PN				
14	0103411	2	Pin-Cotter, 0.19 x 2.00, PD				
15	Q509322	1	Shaft Asm-Comp Cam, 55 Ton				
	Q512891	1	Shaft Asm-Comp Cam, 55 Ton				
16	0124829	2	Nut-Hex, Jam, 0.38NC, PD				
17	0106851	2	Screw-SqHd, 0.38NC x 1.25, Dog, PN				
18	Q511289	1	Handle-Compression Cam				
19	4420933	1	Handgrip-Gear Shift Lever				
20	Q509306	2	Compression Cam-55 Ton				
21	6602875	2	Cylinder-Hyd, 6"B x 20" Stk, 35 Ton				
	6602490	2	Cylinder-Hyd, 8 x 20, Clevis Ends, 55 Ton				
22	LD16000	1	Cylinder-Hyd, 4 x 10, 3000 PSI				
23	Q509761	4	Pin				
24	6100469	8	Washer-Flat, 2.25B(2.38 x 4.00), PD				
25	0179097	8	Pin-Cotter, 0.38 x 4.00, PN				
26	9411010	2	Fitting-Lub, Stght, 1/8 x 11/16				
27	6603009	2	Pin- Lift Arm Cylinder				
28	6603010	4	Clip- Lift Arm Cylinder Pin				

**GOOSENECK COVER - 35T AND 55T**



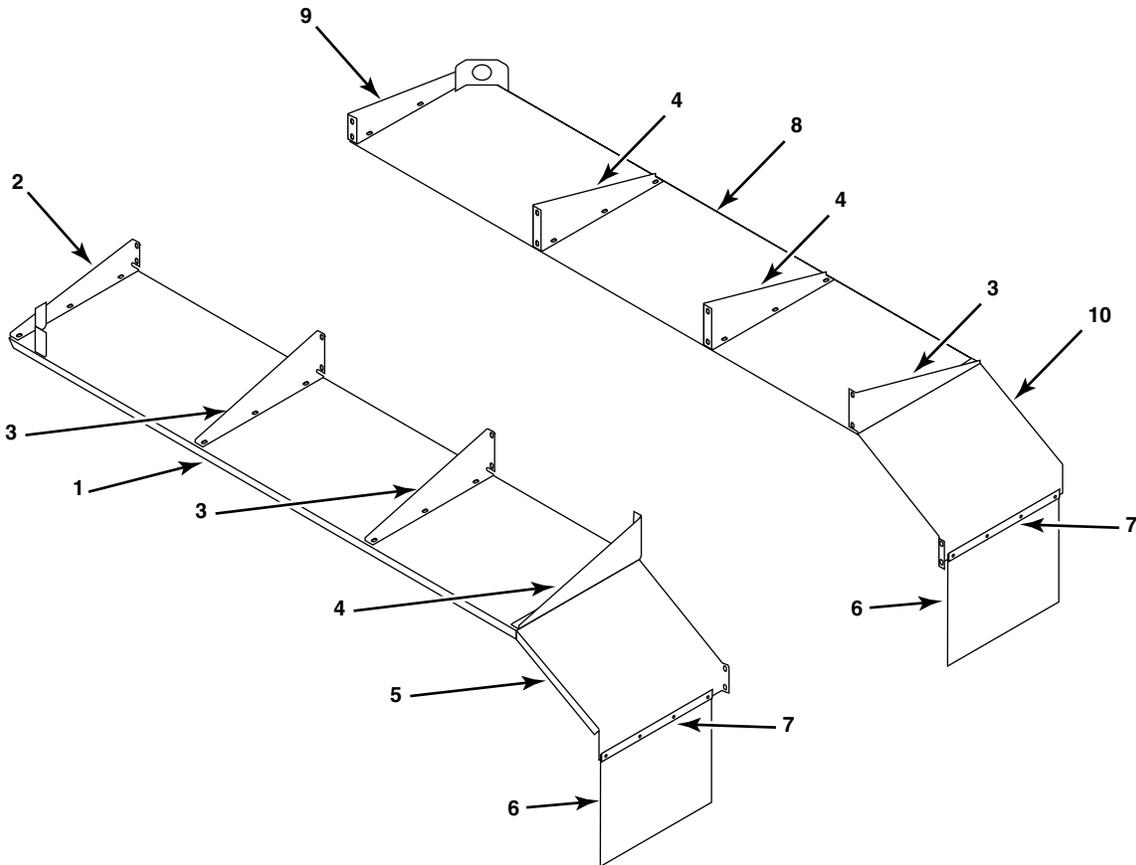
REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q512941	1	Cover Plt Asm-Alum Gn, 35T				
	Q511845	1	Cover Plt Asm-Alum Gn, 55T				
2	0180124	4	Screw-Hex, 0.38NC x 1.25, GR5, PD				
3	0120388	4	Washer-Flat, 0.375 Wide				
4	0120377	4	Nut-Hex, 0.38NC, PD				

**CHAIN & BINDER MTG-INSTALLATION**  
**Q513175**  
**(Optional)**



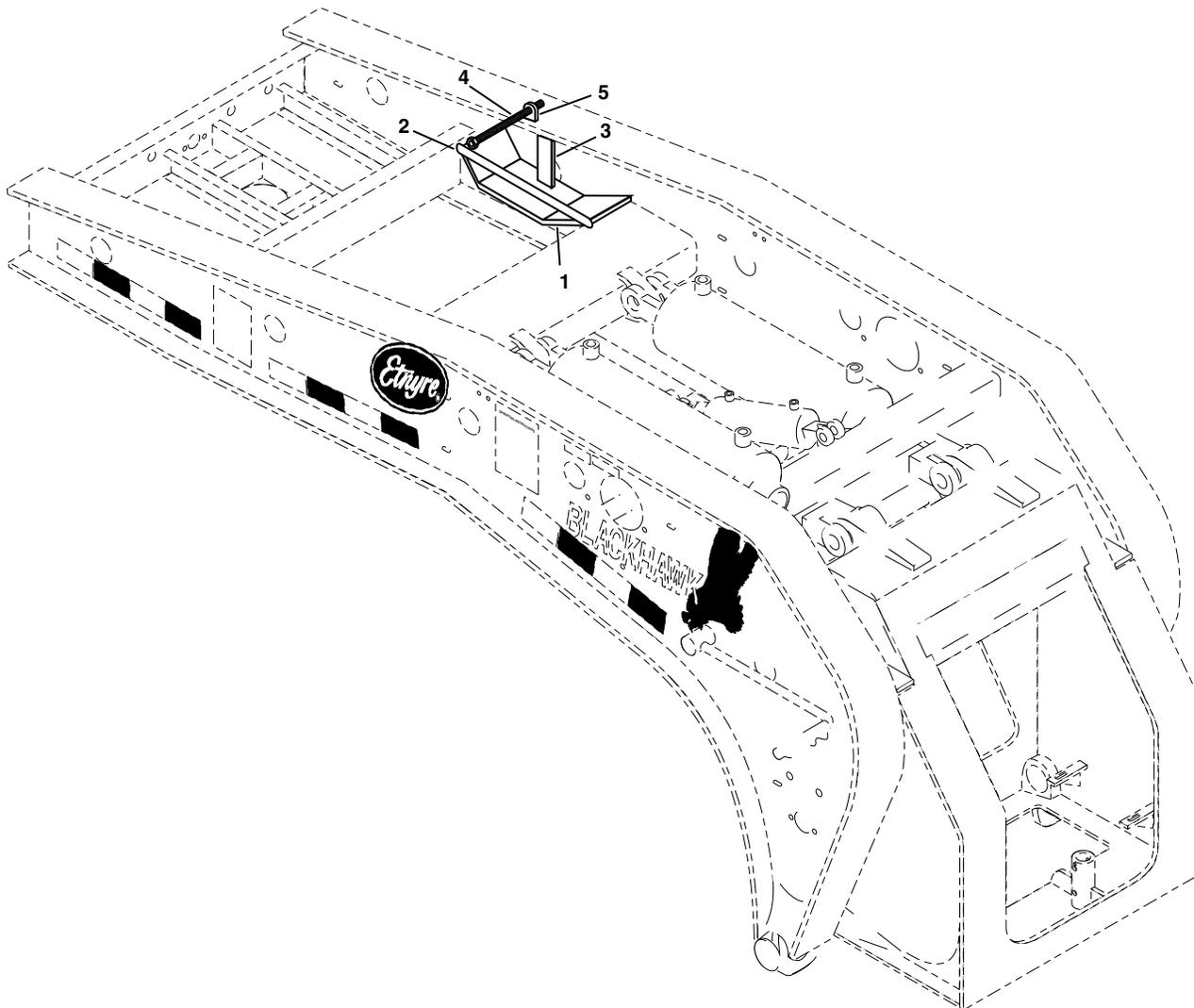
REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q513264	1	Chain & Binder Mtg. Assm				
2	0180177	2	Screw-Hex, 0.50NC x 1.50, GR5, PD				
3	0120378	2	Nut-Hex, 0.50NC, PD				
4	0120384	2	Washer-Lock, 0.50, Spring, PD				
5	0120390	2	Washer-Flat, 0.50A, W, PD				
6	0426370	5	Screw-Sock, 0.38NC x 1.00, PD				
7	0120388	5	Washer-Flat, 0.375, Wide				
8	0120382	5	Washer-Lock, 0.38, Spring, PD				
9	0120377	5	Nut-Hex, 0.38NC, PD				

**FENDER INSTALLATION**  
**Q509648 - 108" Gooseneck**  
**Q513116 - 96" Gooseneck**  
**Q509684 - 84" Gooseneck**



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q509650	1	Fender Asm, LH, 108"	7	Q509679	2	Plate
	Q513112	1	Fender Asm, LH, 96"	8	Q509651	1	Fender Asm, RH, 108"
	Q509682	1	Fender Asm, LH, 84"		Q513114	1	Fender Asm. RH, 96"
2	Q509643	1	Angle-Formed, Front, LH		Q509681	1	Fender Asm, RH, 84"
3	Q509641	3	Angle-Formed, LH for 96" & 108"	9	Q509644	1	Angle-Formed, Front, RH
		2	Angle-Formed, LH for 84"	10	Q509646	1	Fender-Rear, RH
4	Q509642	3	Angle-Formed, RH for 96" & 108"	11	Q509955	1	Hardware Kit-Fender Install
		2	Angle-Formed, RH for 84"				
5	Q509645	1	Fender-Rear, LH				
6	Q509647	2	Mudflap				

**SPARE TIRE CARRIER**  
**Q507032**



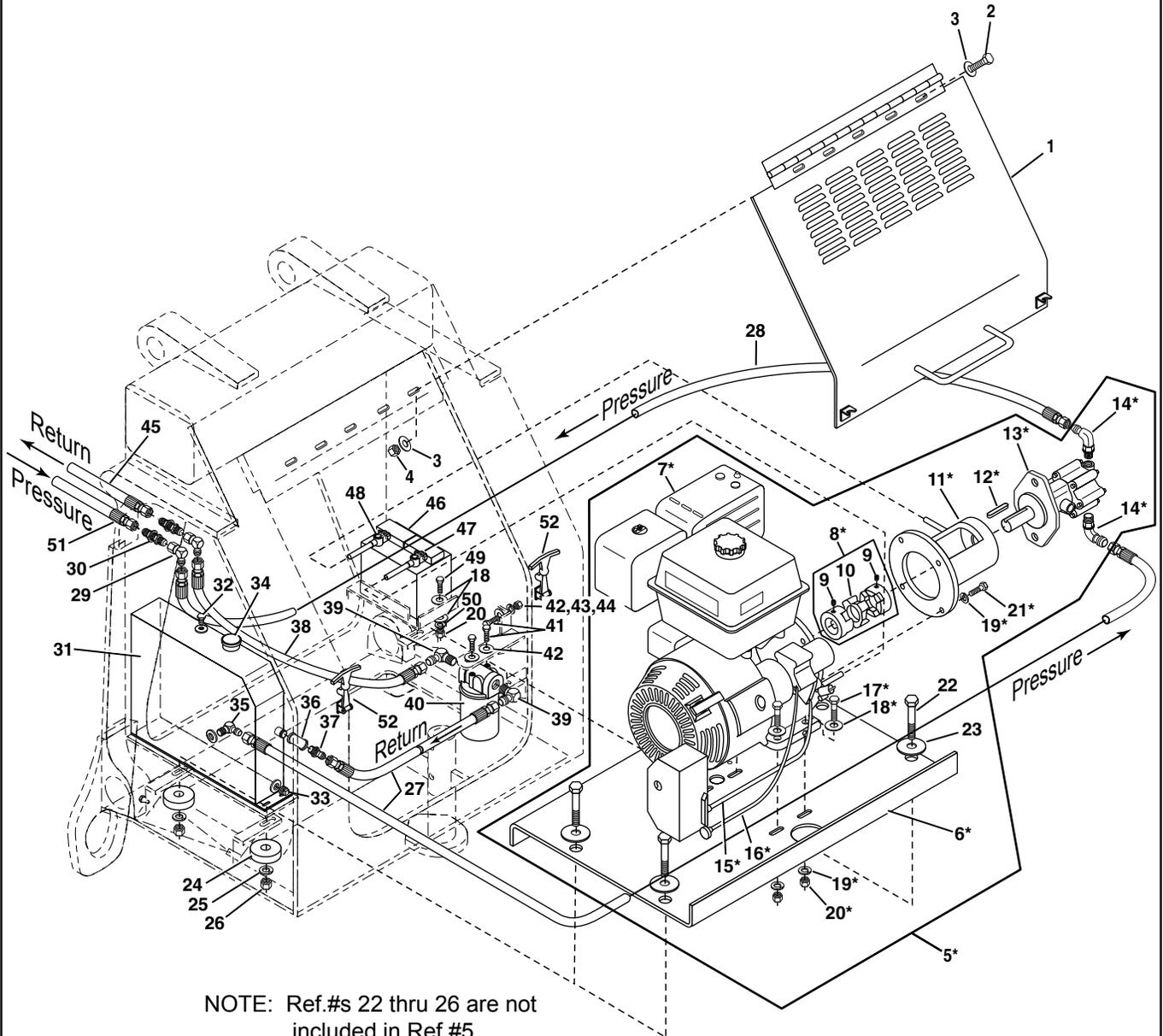
REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q507027	1	Base - Spare Tire Carrier				
2	Q507026	1	Plate - Retainer				
3		1	Plate -1/4 x 3 x 11				
4	Q507031	1	Bolt Asm				
5	Q507030	1	Lug - Retainer Plate				

### POWER PACK INSTALLATION

Q509814 - 9HP

Q512726 - 13HP

(Optional)



NOTE: Ref.#s 22 thru 26 are not included in Ref.#5.

## POWER PACK INSTALLATION

**Q509814 - 9HP**

**Q512726 - 13HP**

**(Optional)**

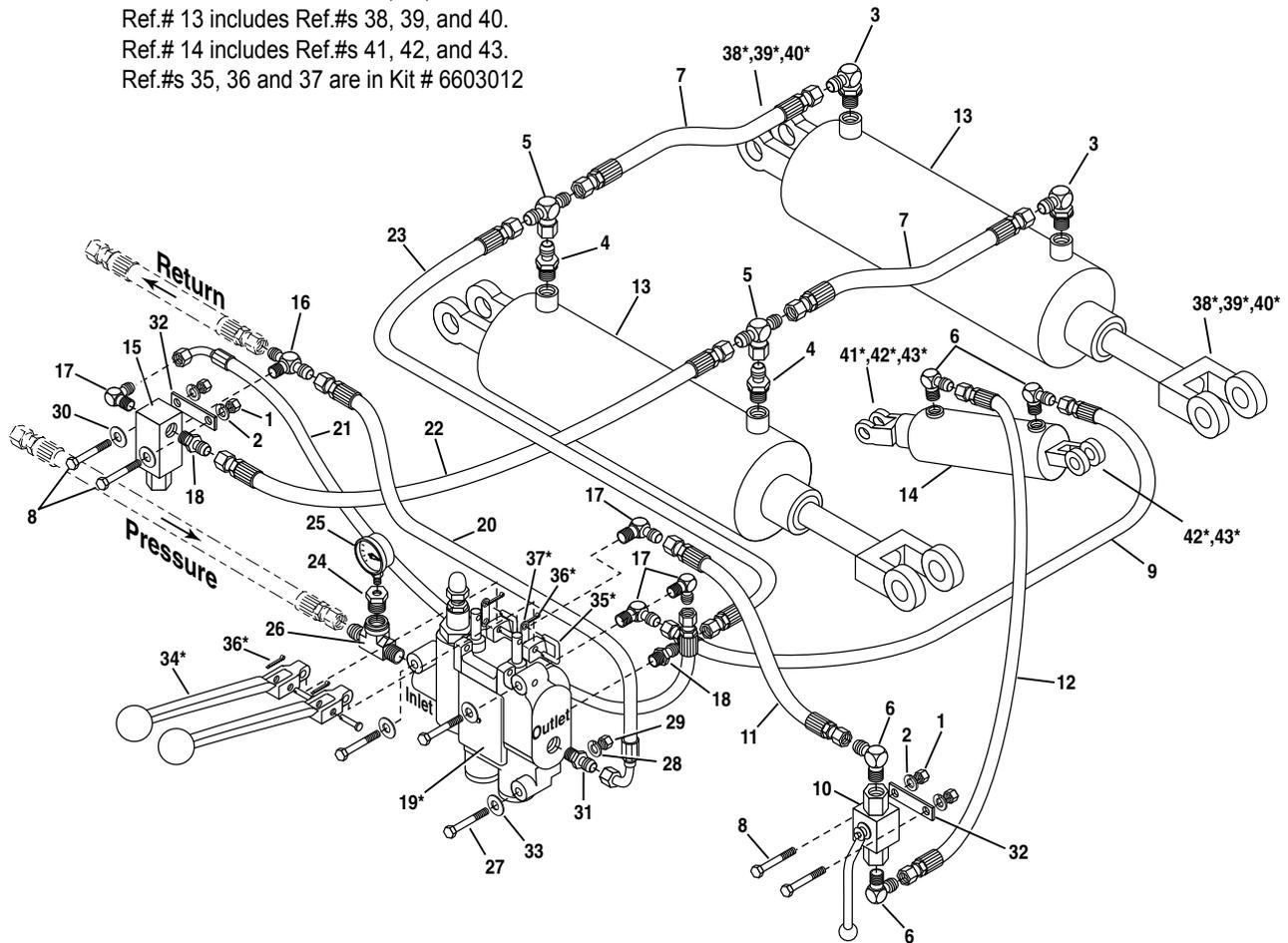
REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q512795	1	Cover-Power Pack Asm, Short, Non Lock	46	Q446975	1	Battery, 12 Volt-22NF Wet
	Q512846	1	Cover-Power Pack Asm, Short, Locking	47	Q488973	1	Battery Cable Asm
	Q513746	1	Cover-Power Pack Asm, Long, 15" Vert	48	Q488974	1	Battery Cable Asm
2	0120233	5	Screw-Hex, 0.38NC, x 1.00, GR2, PD	49	0122194	1	Screw-Hex, 0.38NC x 2.50, GR2, PD
3	0274517	10	Washer-Flat, 0.375, B, PD	50	6001242	1	Washer-Lock, 0.38, Spring, GR8, PD
4	0274993	5	Nut-Hex, Lock ,0.38NC, EA, PD	51	Q513039	1	Hose Asm-Power Pack, Pressure
5	Q509807	1	Power Pack Assembly, 9HP	52	6001161	2	Latch- Tee Handle, Rubber
	Q512725	1	Power Pack Assembly, 13HP				
6	Q509785	1	Plate-Motor Mount, Power Pack				
7	6602437	1	Engine-9HP Honda				
	Q480566	1	13HP Honda Engine, Elec Start				
	Q480474	1	Honda Remote Choke Kit				
8	Q475555	1	Coupling-Flex				
9	Q179007	2	Set Screw				
10	Q489812	1	Insert, Flex Coupling				
11	Q475554	1	Adapter-Hyd Pump Mount 8HP				
12	Q401868	1	Bar				
13	Q475553	1	Pump-Hyd				
	6603014		Seal Kit				
14	9410977	2	Elbow-Hyd, 90, 08MB-08MJ				
15	Q456568	1	Cable Ctrl (Twist/Lock)				
16	Q465277	1	Push-Pull Cable				
17	0120918	4	Screw-Hex, 0.38NC, x 1.50, GR2, PD				
18	Q015176	6	Washer-Flat, 3/8 Pkg 5				
19	0120382	8	Washer-Lock, 0.38 Spring, PD				
20	0120377	6	Nut-Hex, 0.38NC, PD				
21	0122145	4	Screw-Hex, 0.38NC x 1.25, GR2, PD				
22	Q221573	4	1/2-13 x 2 Cpscr, GR8				
23	Q465989	4	Snubbing Washer, Lord				
24	Q284373	4	Engine Mount-Ref. Q164279				
25	Q015178	4	1/2 Flat Washer				
26	Q221354	4	Locknut 1/2-13UNC				
27	Q488989	2	Hose Asm-Pressure				
28	Q495587	1	Hose Asm-PRTN				
29	9410281	2	Elbow-Hyd, 90, 08FJX-08MJ				
30	9403255	2	Adapter-Hyd, BHD, ST, 08MJ-08MJ				
31	Q509789	1	Tank Assembly				
32	Q436379	1	Breather Cartridge				
33	0219199	1	Plug-Pipe, SqHd, 0.50NPT, PN				
34	Q469793	1	Hyd, Dip Stick				
35	6600958	1	Elbow-Hyd, 90, 08MJ-08MP				
36	0119098	1	Elbow-Pipe, 90, 0.50NPT, PN				
37	9402709	1	Adapter-Hyd, ST, 08MJ-08MP				
38	Q513041	1	Hose Asm-Inside, PP, Return				
39	Q6602248	2	Elbow-Hyd, 90, 12MP-08MJ				
40	Q180441	1	Filter-Hyd				
	Q180595	1	Filter Element Replacement Kit				
41	Q220548	4	Screw-Hex, 0.25 x 0.75, GR2, PD				
42	0120386	4	Washer-Flat, 0.25A(0.31 x 0.73), PD				
43	0120380	2	Washer-Lock, 0.25, Spring, PD				
44	0120375	2	Nut-Hex, 0.25NC, PD				
45	Q513040	1	Hose Asm-Power Pack, Return				

POWERPACK

# HYDRAULIC INSTALLATION

## Q509342

NOTE: Ref.# 19 includes Ref.#s 34, 35, 36 and 37.  
 Ref.# 13 includes Ref.#s 38, 39, and 40.  
 Ref.# 14 includes Ref.#s 41, 42, and 43.  
 Ref.#s 35, 36 and 37 are in Kit # 6603012



HYDRAULIC

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	0120375	2	Nut-Hex, 0.25NC, PD	21	Q512728	1	Hose Asm-Relief Vlv/Control Vlv
2	0120380	2	Washer-Lock, 0.25, Spring, PD	22	Q512724	1	Hose Asm-Cyl to Relief Valve
3	6602165	2	Elbow-Hyd, 90, 12MB-08MJ	23	Q512729	1	Hose Asm-Cyl to Valve
4	6600921	2	Adapter-Hyd, ST, 08MJ-12MB	24	0144033	1	Bushing-Pipe, 0.75 x 0.25NPT, PN
5	6602090	2	Tee-Hyd, 08MJ-08MJ-08FJX	25	6602759	1	Gauge-Press, 2.5 In., 0-3000 PSIG
6	6602228	4	Elbow-Hyd, 90, 06MJ-08MP	26	6602760	1	Tee-Hyd, 12MP-12FP-12MJ
7	Q512727	2	Hose Asm-Cyl to Cyl	27	0122194	3	Screw-Hex, 0.38NC x 2.50, GR2, PD
8	0121966	4	Screw-Hex, 0.25NC x 2.50, GR2, PD	28	Q015156	2	Lockwasher 3/8
9	Q512739	1	Hose Asm-Arm Cyl/Control Valve	29	0120377	2	Nut-Hex, 0.38NC, PD
10	6602459	1	Valve-Ball Med. Press 1/2"NPT	30	0120386	2	Washer-Flat, 0.25A(0.31 x 0.73)PD
11	Q513070	1	Hose Asm-Vlv to Ball Vlv	31	9402711	1	Adapter-Hyd, 12MJ-12MP
12	Q513071	1	Hose Asm-Vlv to Cyl Rod End	32	LD14061	2	Strap-Relief Valve
13	6602490	2	Cylinder-Hyd, 8 x 20, Clevis Ends	33	0120388	3	Washer-Flat, 0.38A(0.44 x 1.00)PD
	PD10619	1	Seal Kit	34*	6603011	1	Handle
14	LD16000	1	Cylinder-Hyd, 4 x 10, 3000 PSI	35*		1	Pin
	PD10620	1	Seal Kit	36*		3	Cotter Pin
15	Q458735	1	Valve-Hyd, Relief RD1850H	37*		1	Plate
16	6602739	1	Tee-Hyd, 12MJ-08MP-12MJ	38*	Q509761	4	Pin- Main Cylinder
17	6600958	5	Elbow-Hyd, 90, 08MJ-08MP	39*	6100469	8	Washer- Cylinder Pin
18	9402709	2	Adapter-Hyd, ST, 08MJ-08MP	40*	0179097	8	Cotter Pin
19*	Q506006	1	Valve-Hyd, .2 Spool SP-4-4-HP	41*	6603013	1	Clevis- Lift Arm Cylinder
	PD10621	1	Kit	42*	6303009	2	Pin- Lift Arm Cylinder
20	Q512732	1	Hose Asm-Control Vlv/Relief Vlv	43*	6303010	4	Clip- Lift Arm Cylinder Pin

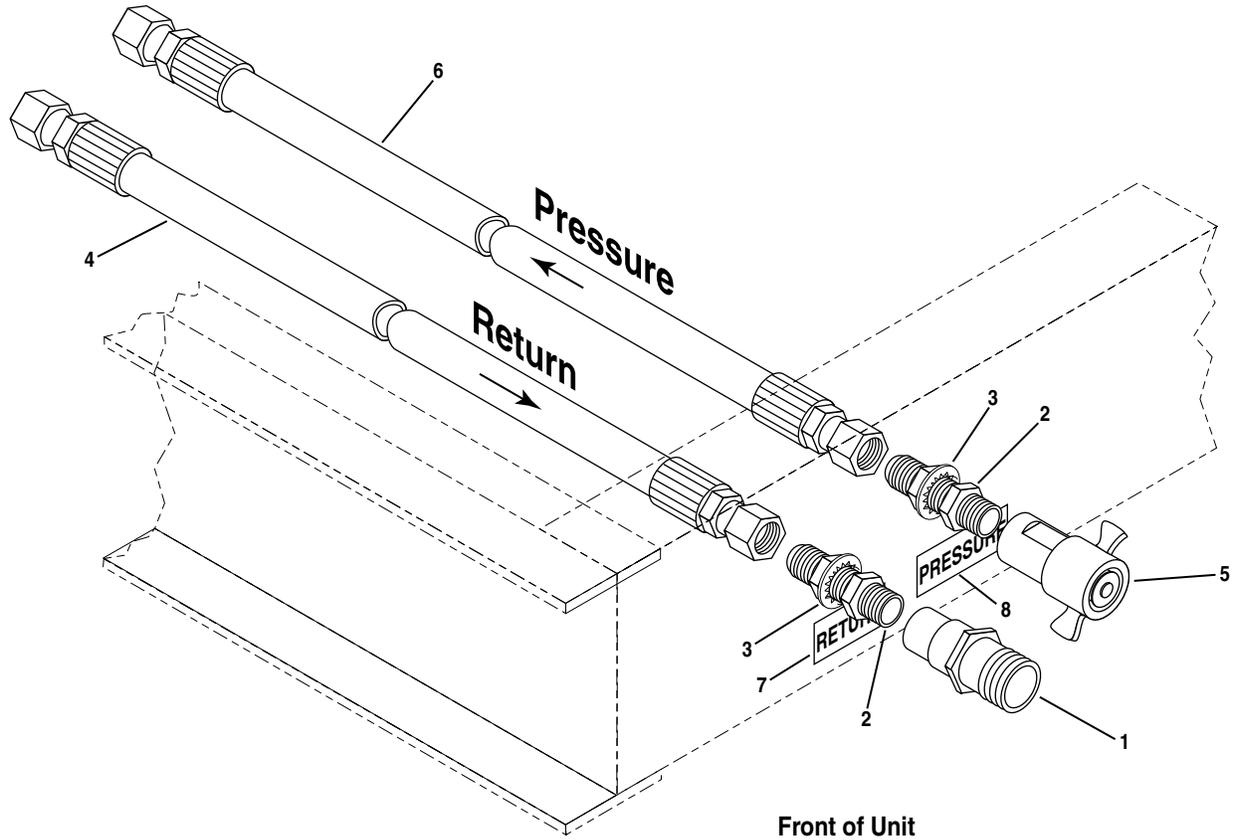
## HYDRAULIC WET LINES

Q513053 - 84"

Q513056 - 96"

Q513060 - 108"

Q513059 - 114"

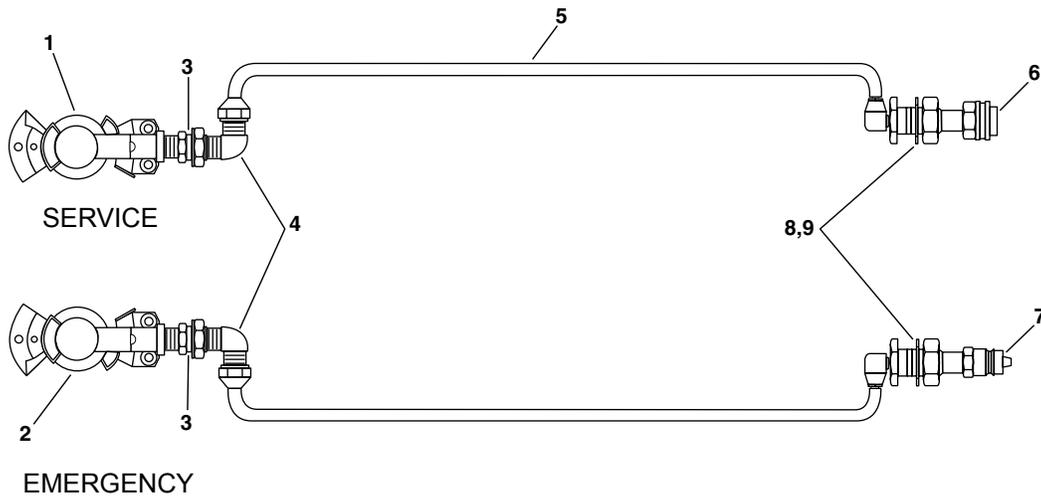


HYDRAULIC

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	6602313	1	Coupling-Hyd, Half-12 Female	7	Q451436	1	Decal-Return
2	6602314	2	Adapter-Hyd, Blkhd, 12MP-12MJ	8	Q451435	1	Decal-Pressure
3	6100447	2	Washer-Lock, 1-1/8" Tooth, Intrnl				
4	Q513051	1	Hose Asm-Relief Valve/Return-84" Gn				
	Q513054	1	Hose Asm-Relief Valve/Return-96" Gn				
	Q512730	1	Hose Asm-Relief Valve/Return-108" Gn				
	Q513057	1	Hose Asm-Relief Valve/Return-114" Gn				
5	6602313	1	Coupling-Hyd, Half-12 Female				
6	Q513052	1	Hose Asm-Blkhead/Control Vlv-84" Gn				
	Q513055	1	Hose Asm-Blkhead/Control Vlv-96" Gn				
	Q512731	1	Hose Asm-Blkhead/Control Vlv-108" Gn				
	Q513058	1	Hose Asm-Blkhead/Control Vlv-114" Gn				

Specify Unit Serial No., Part No., & Part Description

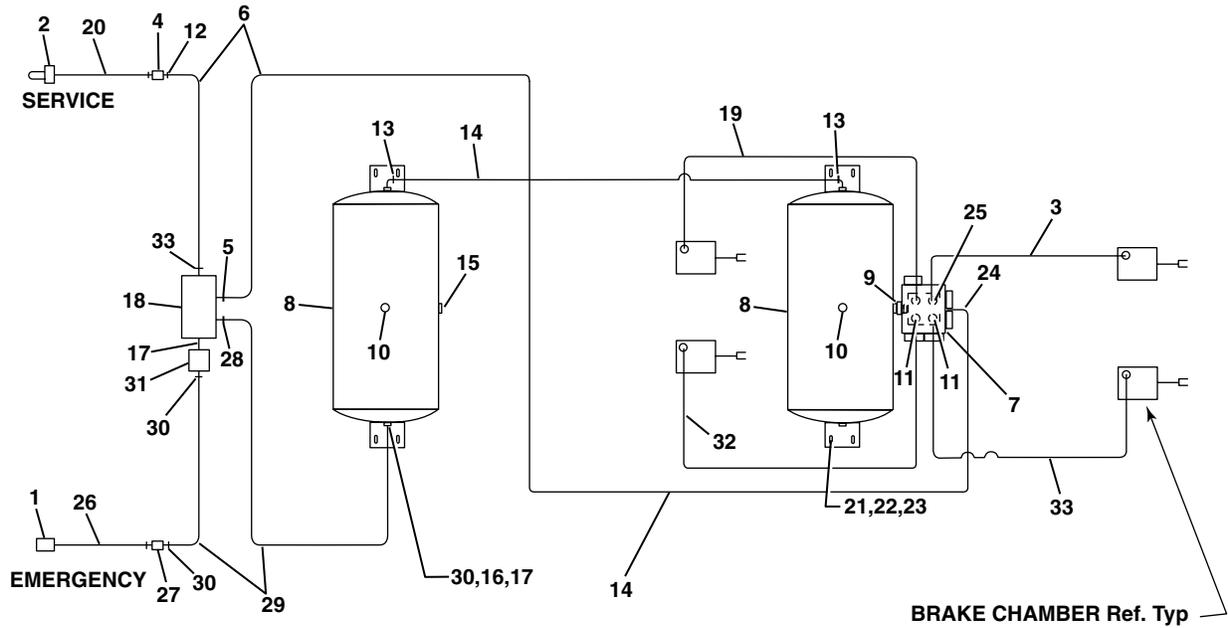
## AIR SCHEMATIC FOR GOOSENECK CONNECTION Q486330



AIR SYSTEM

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	6601254	1	Coupling-Hose, Service, W/Filter				
2	6601253	1	Coupling-Hose, Emer, W/Filter				
3	Q400278	2	Clamping Stud				
4	6600832	4	Elbow, Arbk, 90, 04MP-06MT				
5	6309162	20	Tube-Nylon, Air, 0.38, Generic				
6	Q402813	1	Body Asm-Female Quick Coupler				
7	Q402978	1	Nose Asm-Male Quick Coupler				
8	0105405	2	Nipple-Sch 40, 0.25 x 0.87 CL, PN				
9	Q449698	2	Coupling Tube				

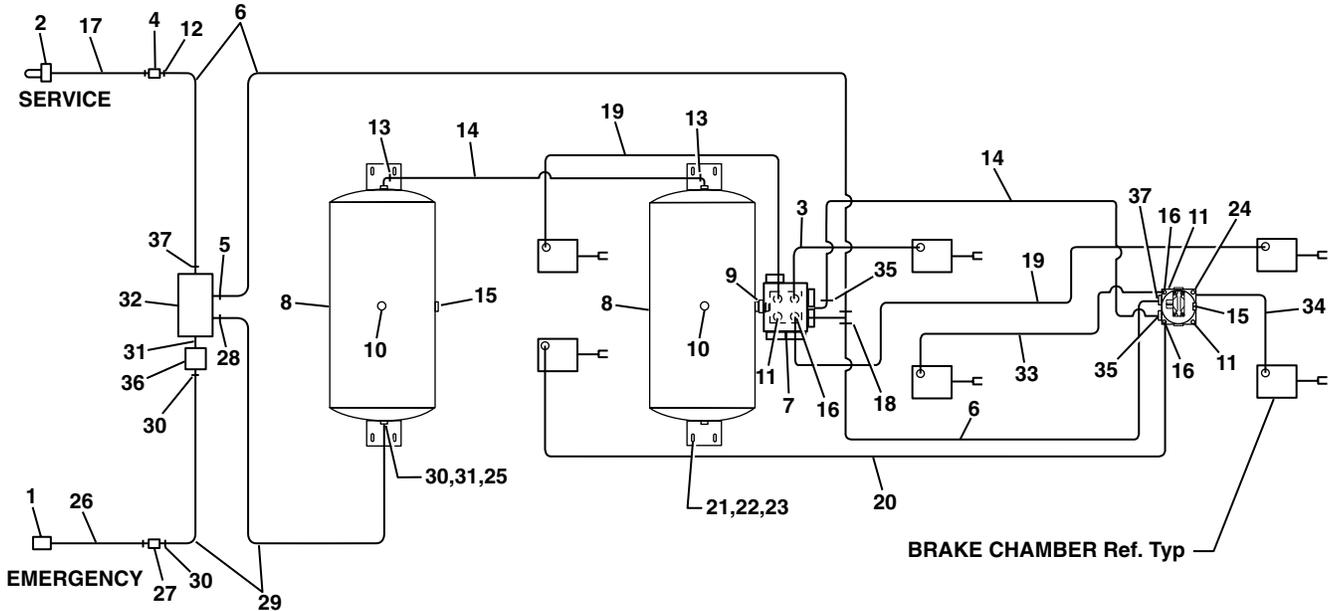
**AIR SCHEMATIC FRM & RR SECT 2 AXLE  
WITH 2S/2M ABS  
Q513728**



AIR SYSTEM

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q403150	1	Pioneer #4650-4 Body	21	0122145	8	Screw-Hex, 0.38NC x 1.25, GR2, PD
2	Q402978	1	Nose Asm-Male Quick Coupler	22	0274993	8	Nut-Hex, Lock, 0.38NC, EA, PD
3	6602380-13	1	Hose Asm-Air Brake, 0.38 ID x 16"	23	Q446363	8	Washer-Flat, 0.31A(0.38 x 0.88), PD
4	Q449698	1	Coupling Tube	24	6602445	2	Elbow-Arbk, 90,10MT-12MP
5	6601164	1	Adapter-Arbk, ST, 06MP-06MT	25	6602465	2	Elbow-90, ST, 06MP-06FP
6	6309162	40	Tube-Nylon, Air, 0.38, Generic	26	Q501926	1	Jumper Hose, Air Ref. Dwg Q450999
7	6451270	1	ECU/Valve Asm	27	6602466	1	Fitting-Anchor
8	6450357	2	Reservoir-Air, 9.69 x 22.5	28	6600938	1	Adapter-Arbk, ST, 06MP-08MT
9	Q012833	1	Hex Nipple Ftg 12 x 12	29	6309169	30	Tube-Nylon, Air, 0.50, Generic
10	Q400053	2	Drain Cock	30	6600942	3	Elbow-Arbk, 90, 06MP-08MT
11	Q444867	5	Plug-Auto, Hex Sock, 0.38NPTF, PD	31	6450961	1	Filter-Air Line
12	6600832	2	Elbow-Arbk, 90, 04MP-06MT	32	6602380-03	2	Hose Asm-Air Brake, 0.38 ID x 32"
13	Q444344	2	Elbow-Male, 90 Deg. #1469 x 10 x 6	33	6600945	1	Elbow-Arbk, 90, 06MP-06MT
14	Q431000	25	Tube-Nylon, Air, Blk, 0.63, Gen	34	6602142	1	Tee-Arbk, 06MT-06MP-06MT
15	0273469	2	Plug-Auto, Sq Sock, 0.75NPTF, PD				
16	6450962	1	Valve-Pressure Protection				
17	4470271	1	Adapter-Hyd, ST, 06MP-06MP				
18	6450963	1	Valve-Emergency Release				
19	6602380-10	1	Hose Asm-Air Brake, 0.38 ID x 64"				
20	Q486016	1	Jumper Hose, Air Ref. Dwg Q450999				

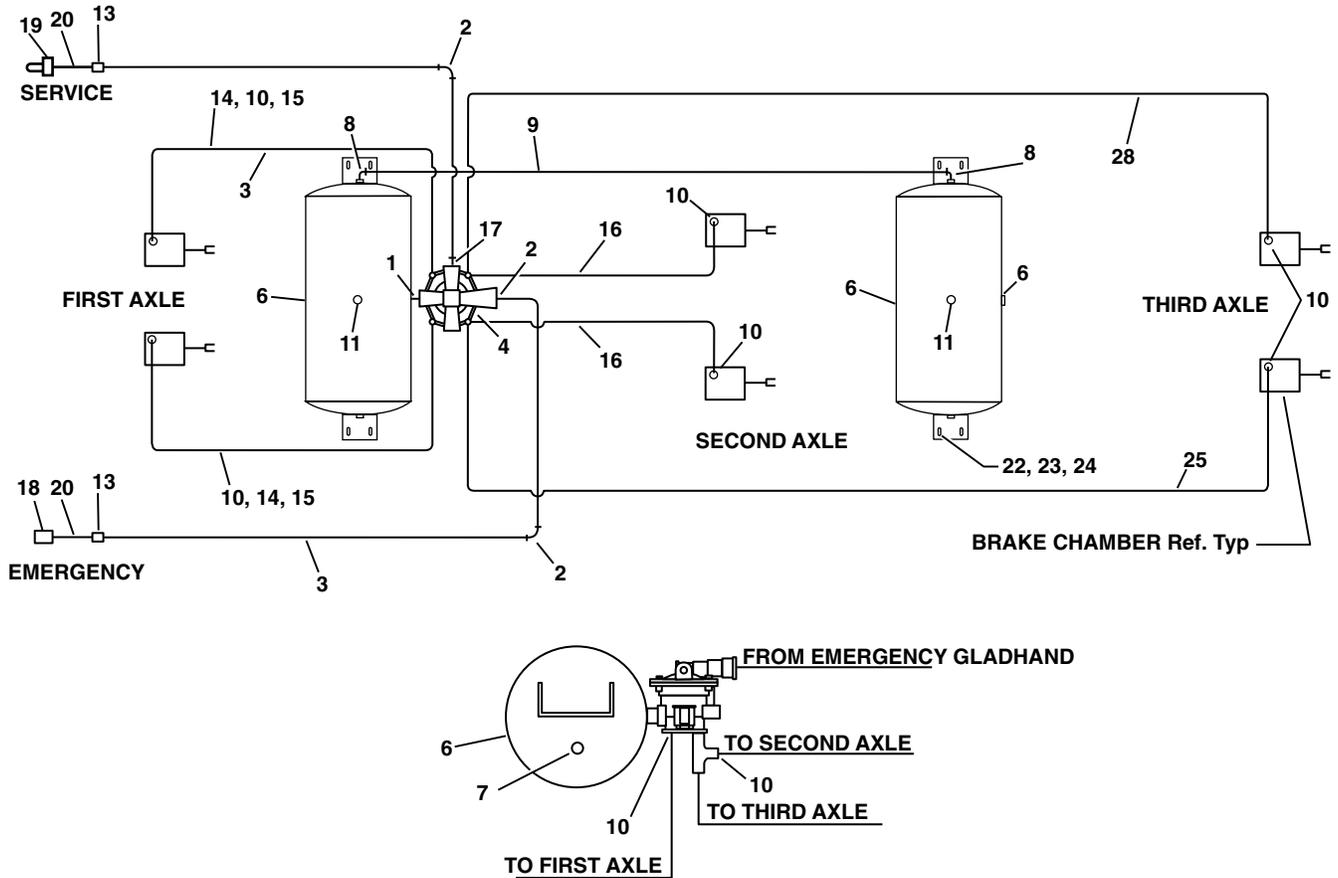
**AIR SCHEMATIC FRM & RR SECT 3 AXLE  
WITH 2S/2M ABS  
Q502467**



AIR SYSTEM

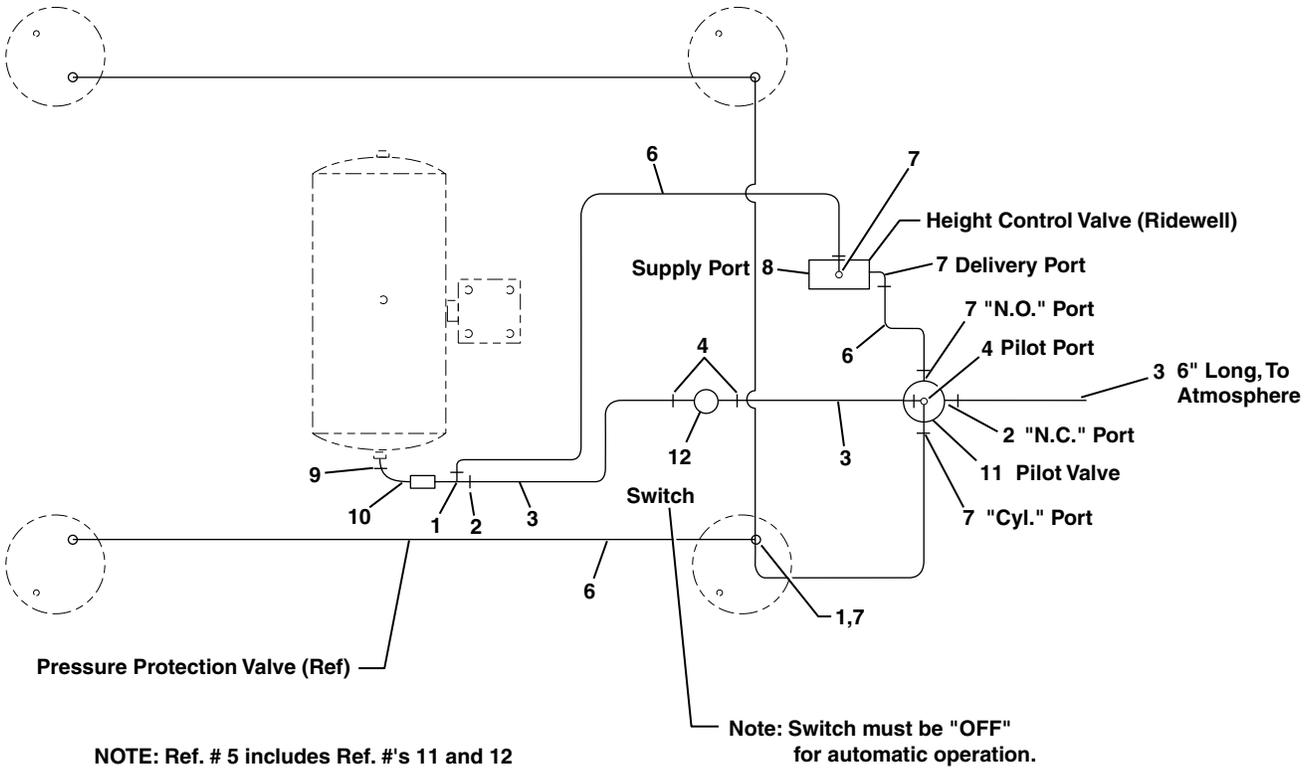
REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q403150	1	Pioneer #4650-4 Body	21	0122145	8	Screw-Hex, 0.38NC x 1.25, GR2, PD
2	Q402978	1	#S252 Airline Coupler	22	0274993	8	Nut-Hex, Lock, 0.38NC, EA, PD
3	6602380-13	1	Hose Asm-16"	23	Q446363	8	Washer-Flat, 0.31A(0.38 x 0.88), PD
4	Q449698	1	Coupling Tube	24	6451193	1	Valve-Relay ABS #472 195 033 0
5	6601164	1	Adapter-Arbk, ST, 06MP-06MT	25	6450962	1	Valve-Pressure Protection
6	6309162	40	Tube-Nylon, Air, 0.38, Generic	26	Q501926	1	Jumper Hose, Air Ref. Dwg Q450999
7	6450954	1	ECU/Valve Asm	27	6602466	1	Fitting-Anchor
8	6450357	2	Reservoir-Air, 9.69 x 22.5	28	6600938	1	Adapter-Arbk, ST, 06MP-08MT
9	Q012833	1	Hex Nipple Ftg 12 x 12	29	6309169	30	Tube-Nylon, Air, 0.50, Generic
10	Q400053	2	Drain Cock	30	6600942	3	Elbow-Arbk, 90, 06MP-08MT
11	Q444867	2	Plug-Auto, Hex Sock, 0.38NPTF, PD	31	Q012831	2	Nipple Hex 6 x 6
12	6600832	1	Elbow-Arbk, 90, 04MP-06MT	32	6450963	1	Valve-Emergency Release
13	Q444344	2	Elbow-Male, 90 Deg. #1469 x 10 x 6	33	6602380-05	1	Hose Asm-40"
14	Q431000	25	Tube-Nylon, Air, Blk, 0.63, Gen	34	6602380-03	1	Hose Asm-32"
15	0273469	2	Plug-Auto, Sq Sock, 0.75NPTF, PD	35	6602445	2	Elbow-Arbk, 90, 10MT-12MP
16	6602465	3	Elbow-90 Deg Street	36	6450961	1	Filter-Air Line
17	Q486016	1	Jumper Hose, Air Ref. Dwg Q450999	37	6600945	2	Elbow-Arbk, 90, 06MP-06MT
18	Q444309	1	Parker #272NTA-6-4 Ftg				
19	6602380-10	2	Hose Asm-64"				
20	6602380-15	1	Hose Asm-90"				

**AIR SCHEMATIC 3 AXLE  
WITHOUT ABS  
Q512960**



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q012833	1	Nipple - Hex, 3/4 - 3/4	21	Q400153	11	Grommet - Std, Blk Rubber #2572
2	6600832	3	Elbow - Arbk, 90, 04MP-06MT	22	0122145	8	Screw - Hex, .38NC x 1.25, Gr 2, PD
3	Q427723	80	Tubing - 3/8"	23	0274993	8	Nut - Hex, Lock, 0.38NC, Ea, PD
4	Q479478	1	Relay Emergency Valve	24	0446363	8	Washer - Flat, 0.31A (0.38 x 0.88) PD
5	Q402483	2	Tee - Ftg, Assy - Brass	25	6602380-09	1	Hose Assembly - Air Brake, 0.38 x 60
6	Q6450357	2	Air Reservoir	26	Q096730	24	#2575 Std Black Rubber
7	0444687	2	Plug- Auto, Hex Sock Hd, 3/8	27	0143968	1	Plug - Pipe, Sock Head, .75 NPT, PD
8	Q444344	2	Elbow - Male, 90°, 5/8 x 3/8	28	6602380-08	1	Hose Assembly - Air Brake, 0.38 x 54
9	Q431000	6	Tubing- Black, 0.625 O.D.				
10	Q063108	10	Bushing - Pipe, 3/8 x 1/4				
11	Q400053	2	Drain Cock				
12	Q400241	5	Hose Separator M-473				
13	Q449698	2	FTG #W05465				
14	Q451762	2	Hose Assembly				
15	Q402138	2	Elbow - Brass, Street,, 1/4 NPT				
16	6602380-13	2	Hose Assembly- Air Brake, 0.38 x 16				
17	Q444341	1	W.H. #1468 x 6 Male Connector				
18	Q402813	1	#SM251 Coupler 1/4" NPSF				
19	Q402978	1	#S252 Airline Coupler				
20	Q486016	2	Jumper Hose Ref B450999				

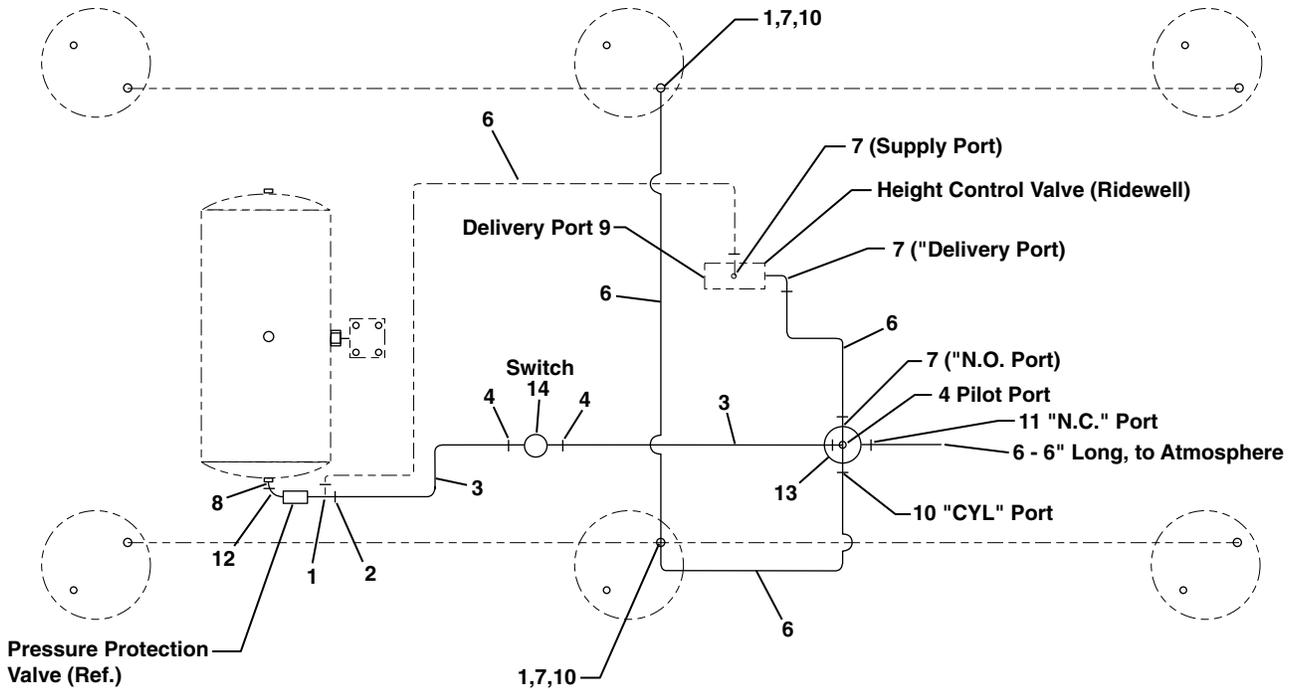
**AUXILIARY AIR GROUP  
MANUAL LOWERING (TANDEM)  
Q502754**



**AIR SYSTEM**

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q461540	2	1/4 NPTF Tee-Street	11	Q483139*	1	Pilot Valve
2	Q444889	2	Adapter-Arbk, ST, 04MT-04MP	12	6450540*	1	Manual Operated Air Switch
3	Q444884	15	Tube-Nylon, Air, 0.25, Generic				
4	6602139	3	Elbow-Arbk, 90, 02MP-04MT				
5	Q478066*	1	Air Control AC-78-M-1				
6	6309162	8	Tube-Nylon, Air, Generic				
7	6600832	2	Elbow-Arbk, 90, 04MP-06MT				
8	6200157	1	Plug-Pipe, Hex Sock, 0.25NPT, PD				
9	Q402138	1	Elbow-Street, 1/4 NPT				
10	Q012836	1	Adapter-Auto, ST, 06MP-04MP				

**AUXILIARY AIR GROUP  
MANUAL LOWERING (TRIDEM)  
Q499713**



NOTE: Ref. # 5 includes Ref. #'s 13 and 14

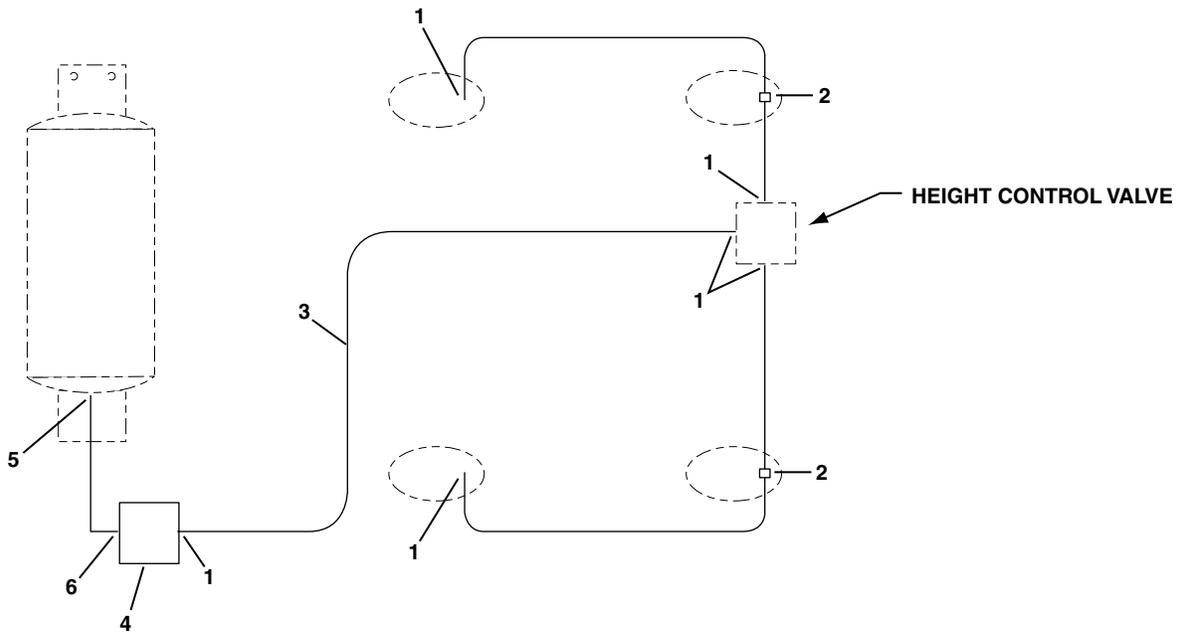
NOTE: Switch must be "OFF" for Automatic Operation.

AIR SYSTEM

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q461540	3	1/4 NPT Street Tee	8	Q012836	1	Adapter-Auto, ST, 06MP-04MP
2	Q444889	1	Adapter-Arbk, ST, 04MT-04MP	9	6200157	1	Plug-Pipe, Hex Sock, 0.25NPT, PD
3	Q444884	14.5	1/4 O.D. Tube Plastic	10	Q444309	3	Parker #272NTA-6-4 Ftg
4	6602139	3	Elbow-Arbk, 90, 02MP-04MT	11	6600831	1	Adapter-Arbk, ST, 04MP-06MT
5	Q478066	1	Air Control AC-78-M-1	12	Q402138	1	Elbow, Street, 1/4 NPT
6	6309162	8.5	Tubing-Nylon, Air Brk, .38 OD/FT	11	Q483139*	1	Pilot Valve
7	6600832	3	Elbow-Arbk, 90, 04MP-06MT	12	6450540*	1	Manual Operated Air Switch

Specify Unit Serial No., Part No., & Part Description

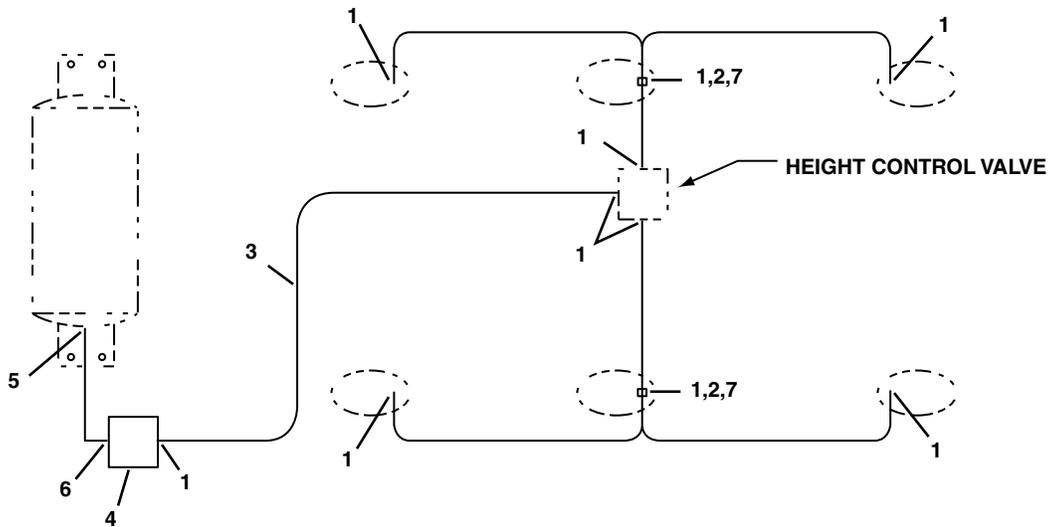
**AIR GROUP, AIR RIDE TANDEM, RTN**  
**Q495361**



**AIR SYSTEM**

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	6600832	6	Elbow, Arbk, 90, 04MP-06MT				
2	6600829	2	Tee-Arbk, 06MT-04MP-06MT				
3	6309162	20	Tubing, Nylon, Air, 0.38, Generic				
4	Q486195	1	Valve-Pressure Protection				
5	Q012836	1	Adapter-Auto, ST, 06MP-04MP				
6	Q402138	1	Elbow, Street, 1/4 NPT				

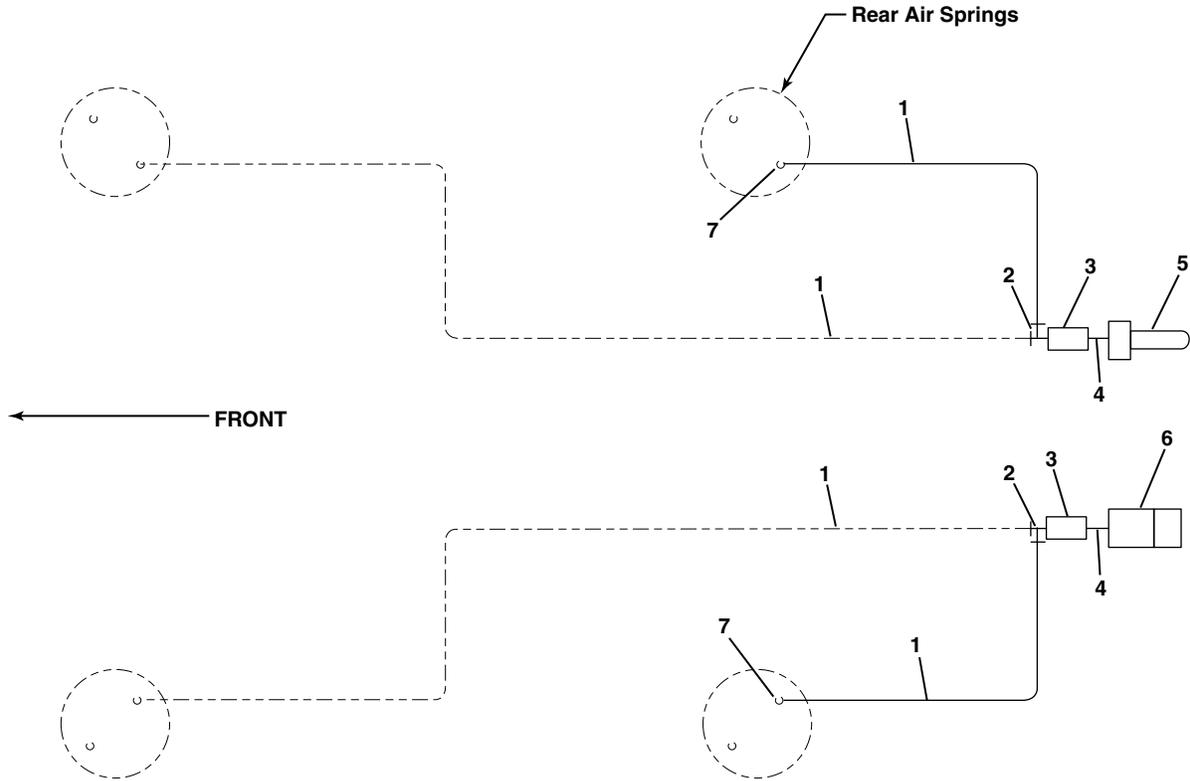
**AIR RIDE - TRIDEM**  
**Q495381**



**AIR SYSTEM**

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	6600832	10	Elbow-Arbk, 90, 04MP-06MT				
2	Q444309	2	Parker 272NTA-6-4 Ftg				
3	6309162	AR	Tube-Nylon, Air, 0.38. Generic				
4	Q486195	1	Valve-Pressure Protection				
5	Q012836	1	Adapter-Auto, ST, 06MP-04MP				
6	Q402138	1	Elbow, Street, 1/4 NPT				
7	Q461540	2	Tee-Street, 1/4 NPT				
							AR - AS REQUIRED

**AIR GROUP-REAR CONNECTION, SUSPENSION**  
**Q499732**  
**(Optional)**



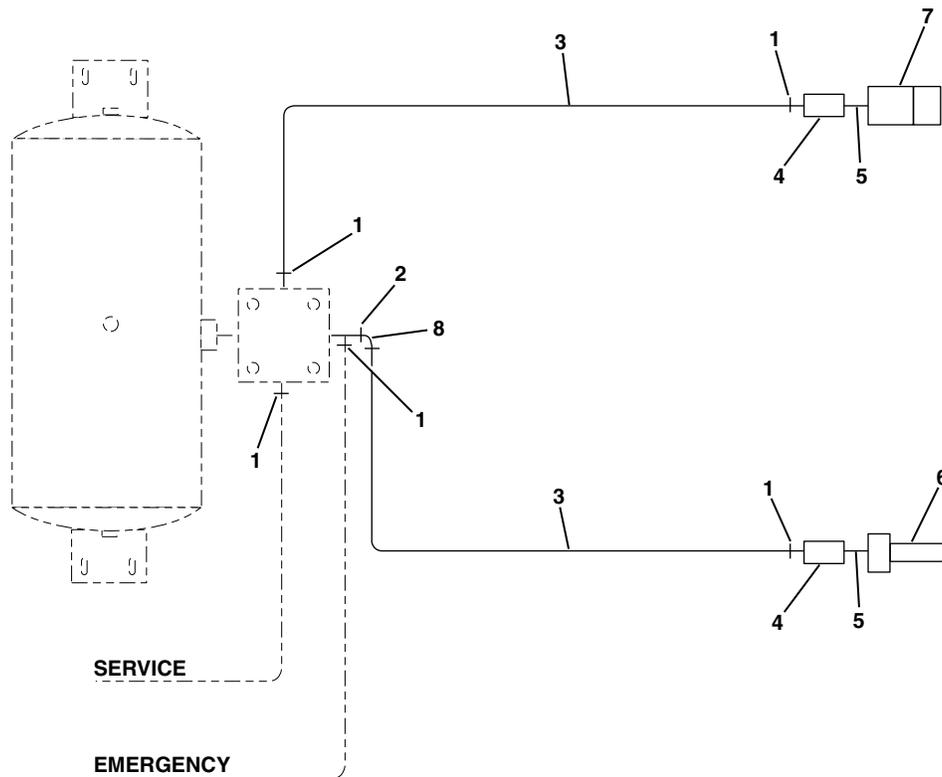
**AIR SYSTEM**

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	6309162	12	Tube-Nylon, Air, 0.38, Generic				
2	6600829	2	Tee-Arbk, 06MT-04MP-06MT				
3	Q449698	2	Coupling Tube				
4	0105405	2	Nipple-Sch 40, 0.25 x 0.87, CL, PN				
5	Q402978	1	Nose Asm-Male Quick Coupler				
6	Q402813	1	Body Asm-Female Quick Coupler				
7	6600832	2	Elbow-Arbk, 90, 04MP-06MT				

## AIR GROUP-REAR CONNECTION, BRAKES (TRIDEM)

**Q499731**

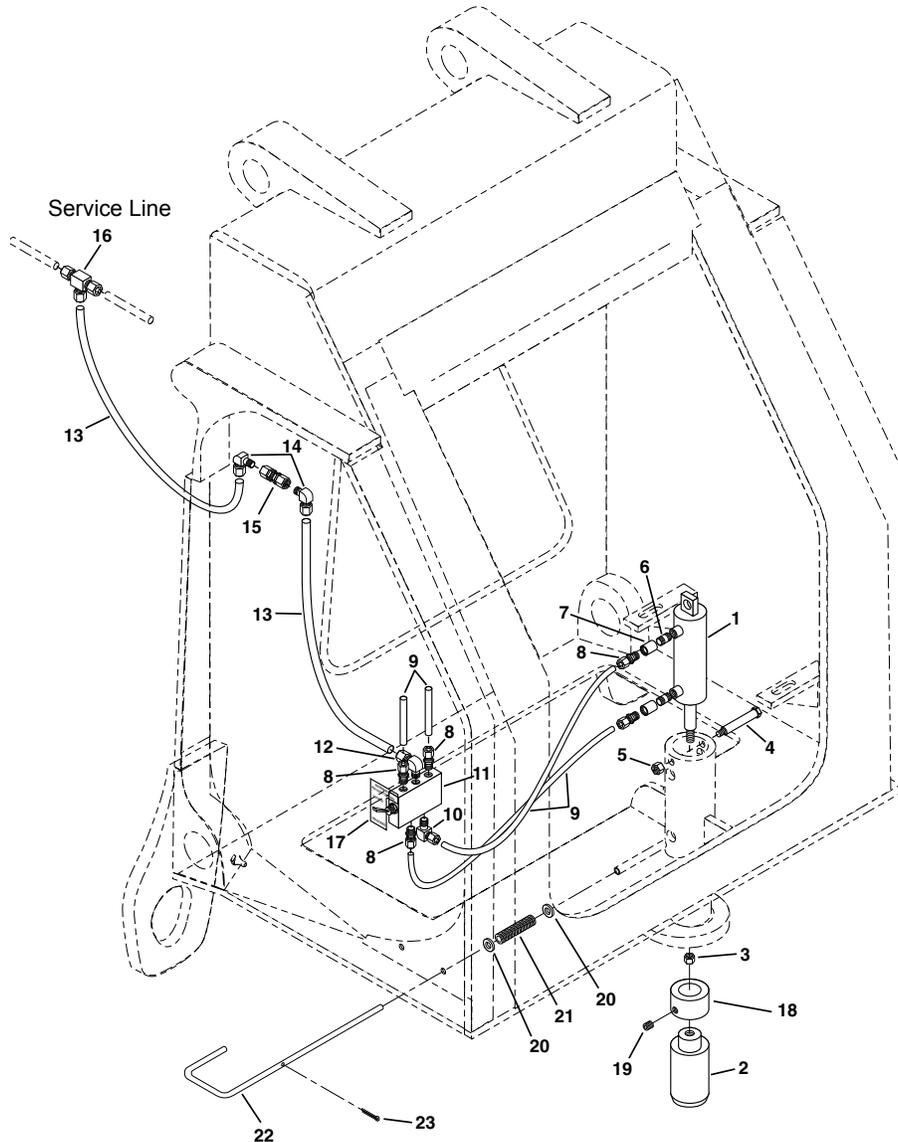
**(Optional)**



**AIR SYSTEM**

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	6600831	5	Adapter-Arbk, ST, 04MP-06MT				
2	Q461540	1	Tee-Street, 1/4 NPTF				
3	6309162	15	Tube-Nylon, Air, 0.38, Generic				
4	Q449698	2	Coupling Tube				
5	0105405	2	Nipple-Sch 40, 0.25 x 0.87, CL, PN				
6	Q402978	1	Nose Asm-Male Quick Coupler				
7	Q402813	1	Body Asm-Female Quick Coupler				
8	6600832	1	Elbow-Arbk, 90, 04MP-06MT				

**GOOSENECK AIR LOCK INSTALLATION  
VERTICAL LOCK  
Q512742**

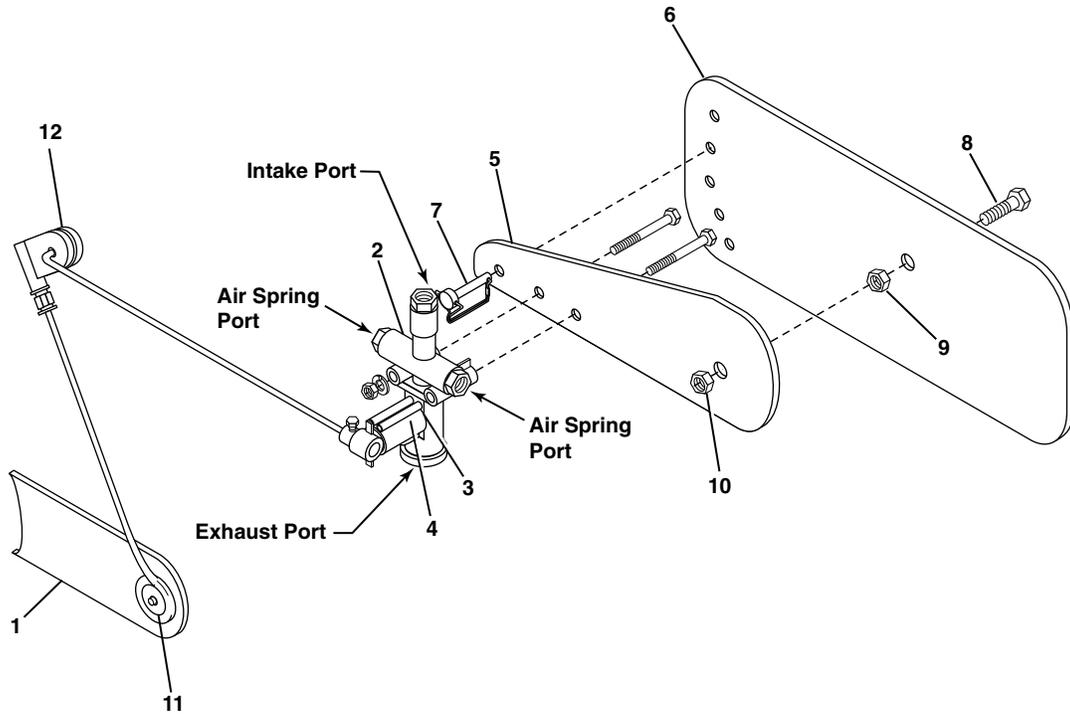


AIR SYSTEM

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	6602491	1	Cylinder-Air, 1.5 x 2.00, Pivot	13	6309162	8	Tube-Nylon, Air, 0.38, Generic
2	Q509361	1	Pin-Locking Mechanism 55 Ton	14	6600832	2	Elbow-Arbk, 90, 04MP-06MT
3	0271506	1	Nut-Hex, 0.44NF, PF	15	Q449698	1	Coupling-Tube
4	6001331	1	Bolt-Shoulder, ScktHd, 3/8 x 3.00	16	6600830	1	Tee-Arbk, 06MT-06MT
5	0274993	1	Nut-Hex, Lock, 0.38NC, EA, PD	17	Q513355	1	Decal: Gneck Air Lock Control
6	0105404	2	Nipple-PP, Sch 40, 0.12 x 0.75, PN	18	Q513692	1	Tube-Spacer,GN,Air Lock
7	0105408	2	Coupling-Pipe, 0.12NPT, PD	19	0102592	1	Screw-Sock Hd,3/8 x 3/8,Dog Pt
8	Q446478	5	Adapter-Arbk, ST, 02MP-04MT	20	0120388	2	Washer-Flat,3/8
9	Q444884	14	Tube-Nylon, Air, 0.25, Generic	21	6100499	1	Spring-Compression,31/32OD x 4
10	6602139	1	Elbow-Arbk, 90, 02MP-04MT	22	Q513984	1	Rod-Indicator, Safety Pin
11	Q486629	1	Valve, Lock Down	23	01033884	1	Cotter Pin-3/16 x 2
12	6600833	1	Elbow-Arbk, 90, 02MP-06MT				

Specify Unit Serial No., Part No., & Part Description

**AUTO - PLUS 3-MINUS 3 ASM  
Q487101**

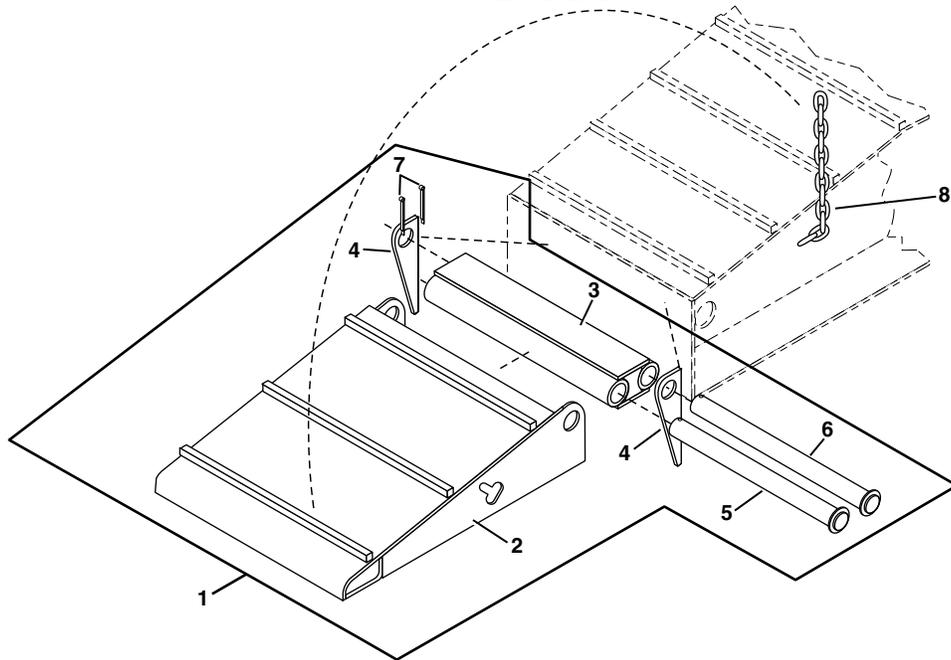


**AIR SYSTEM**

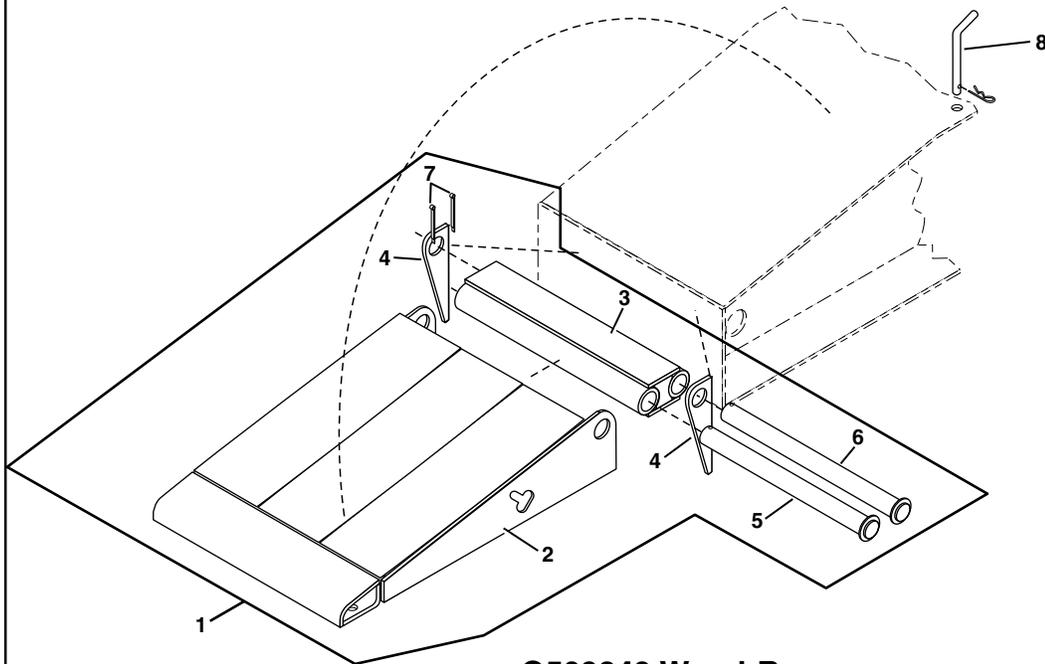
REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q487077	1	Plate	9	0120238	1	Nut-Hex, Jam, 0.50NC, PD
2	Q487000	1	Valve, Height Control	10	0221354	1	Locknut-1/2 x 13 UNC
	Q499691	1	Valve Only	11	Q499693	1	Grommet
	Q499690	1	Linkage Kit	12	PD10283	1	Rubber Elbow
3	0120380	2	Washer-Lock, 0.25, Spring, PD				
4	9413946	2	Nut-Hex, Lock, 0.25NC, EA, PD				
5	Q487006	1	Outer Plate Asm				
6	Q487079	1	Plate				
7	6001177	1	Lock Pin				
8	0180177	1	Screw-Hex, 0.50NC x 1.50, GR5, PD				

**Specify Unit Serial No., Part No., & Part Description**

**RAMP ASSEMBLIES**



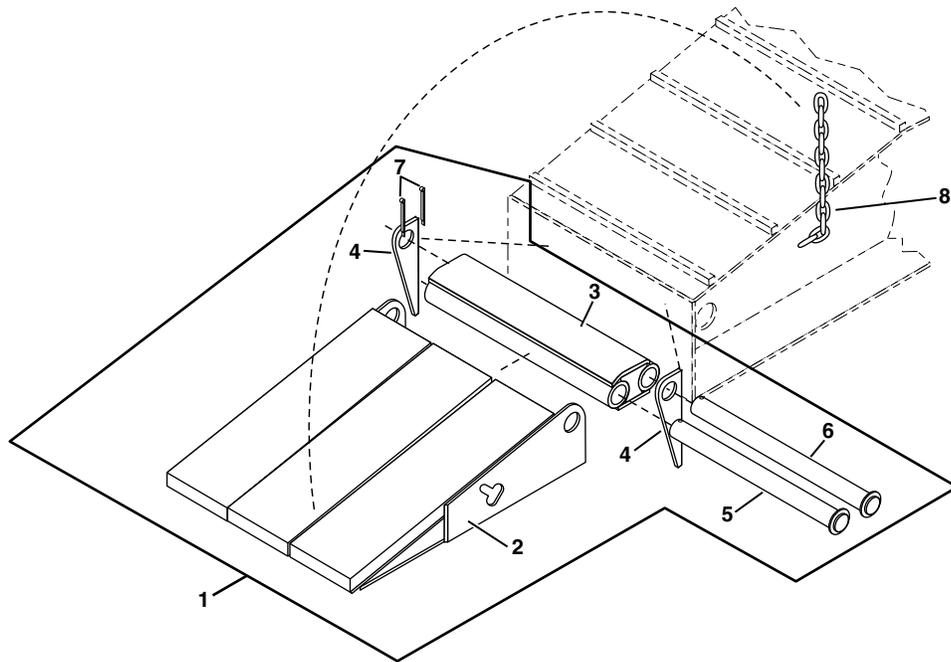
**Q507829 Steel Ramp**



**Q509349 Wood Ramp**

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q507825	2	Ramp Asm-Steel				
	Q509348	2	Ramp Asm, Wood				
2	Q507792	1	Ramp Weldment, Steel				
	Q509347	1	Ramp Weldment, Wood				
3	Q507824	1	Link Assembly				
4	Q507793	2	Lug-Front Ramp				
5	Q500032	1	Tube-Cap Asm, Pivot, Ramp				
6	Q503490	1	Tube-Cap Asm, Pivot, Platform				
7	Q015274	2	3/8 x 3-1/2 Cotter Pin				
8	Q447049	2	Chain, 3/8 x 15-3/4 Lg.				

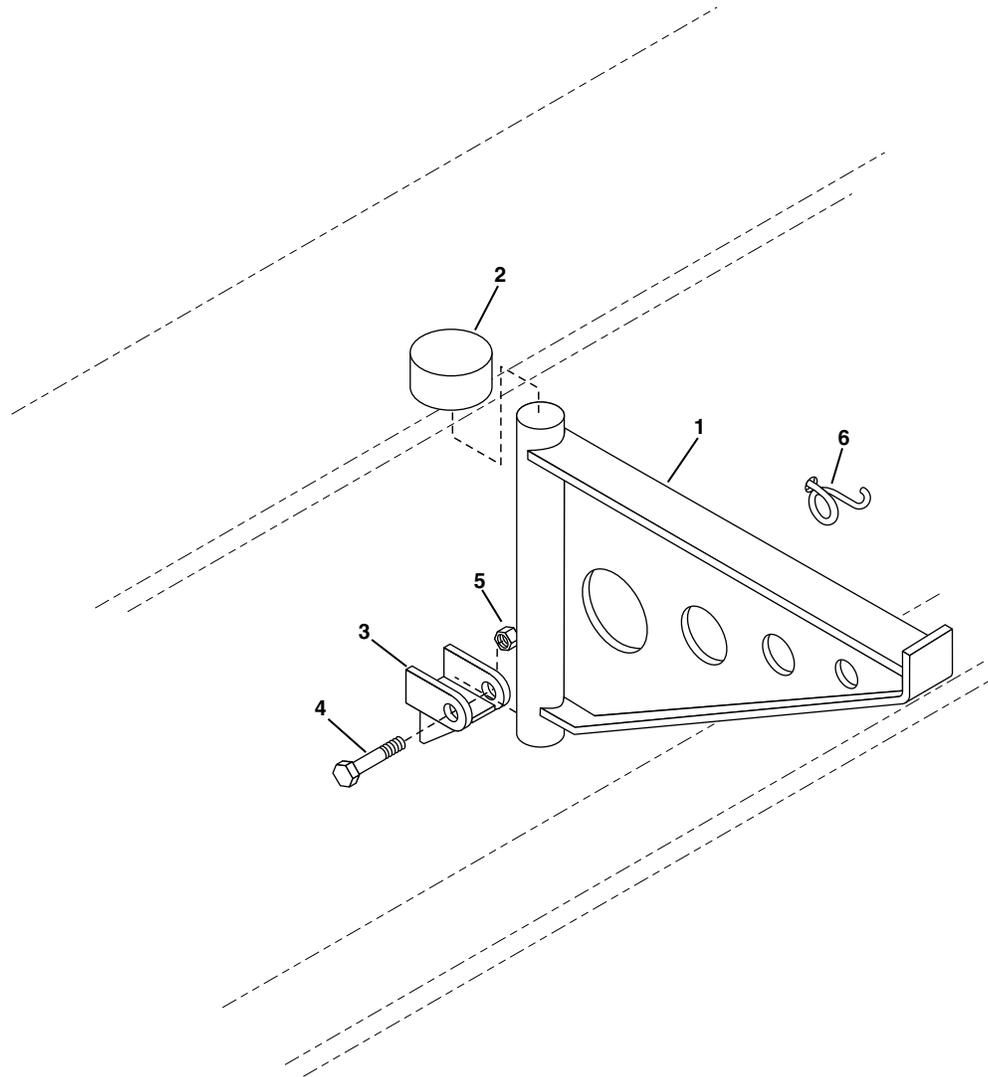
## RAMP ASSEMBLY



**Q500675 Wood Paver Special Ramp**

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q500674	2	Ramp Asm, Wood				
2	Q500668	1	Ramp Weldment, Wood				
3	Q504080	1	Link Assembly				
4	Q500669	2	Lug-Front Ramp				
5	Q500032	1	Tube-Cap Asm, Pivot, Ramp				
6	Q500031	1	Tube-Cap Asm, Pivot, Platform				
7	Q015274	2	3/8 x 3-1/2 Cotter Pin				
8	Q511623	2	Pull Pin-Bent,, 1/2" Dia x 4"				

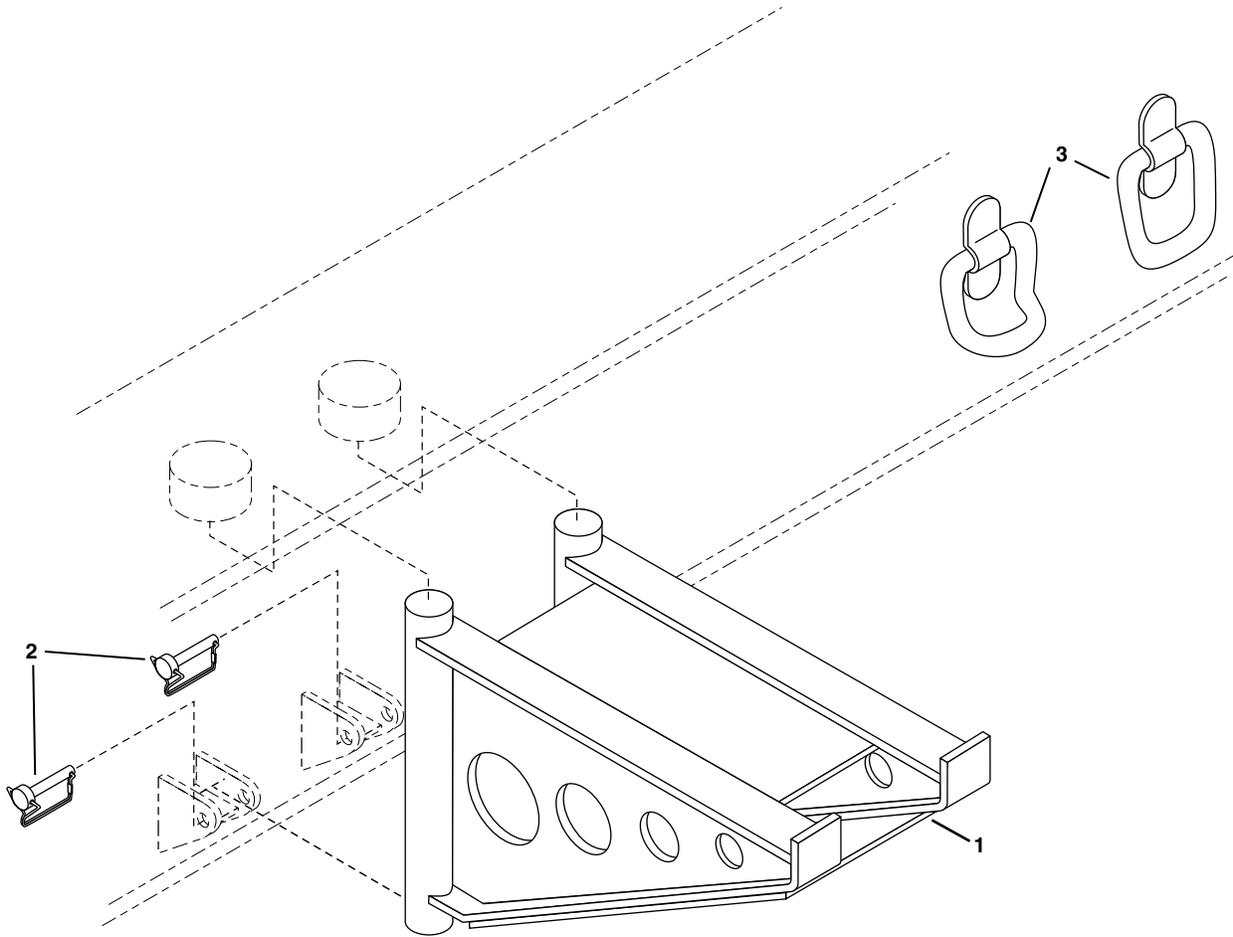
## EXTENSION BRACKET INSTALLATION - Q493544



DECK

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	6300319	1	Ext. Bracket				
2	Q492927	1	Lug, Top, Ext. Bracket				
3	Q492926	1	Lug, Bottom, Ext. Bracket				
4	6100328	1	Screw-Hex, 0.31NC x 2.75, GR5, PD				
5	9411638	1	Nut-Hex, Lock, 0.31NC, EA, PD				
6	Q411632	1	Lock Asm, Extension Brkt, Group				

## EXTENSION BRACKET INSTALLATION - Q491551 AND LASH RING

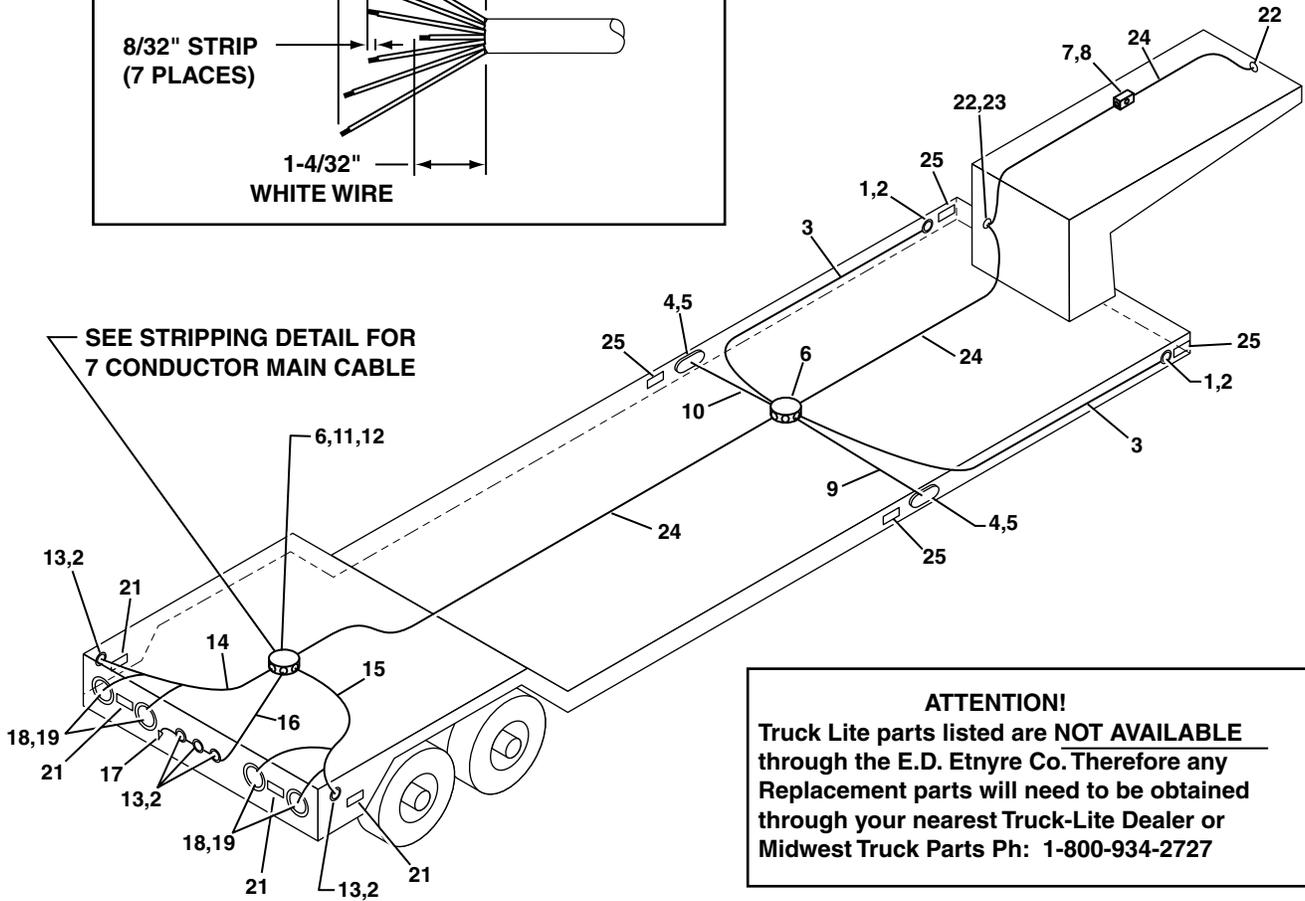
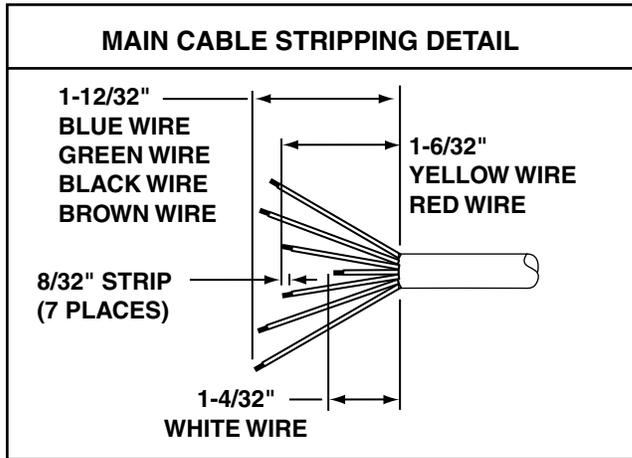


REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q491551	2	Extension Bracket Asm				
2	Q489652	2	Safety Snap Ring (Style A)				
3	Q400200	24	Lash Ring & Clip				
	Q508507	24	Bent Lash Ring Asm				

DECK

## ELECTRICAL SYSTEM - LIGHTS

### Q502977 - Q503004



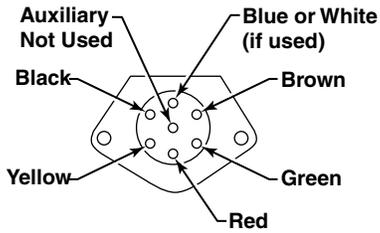
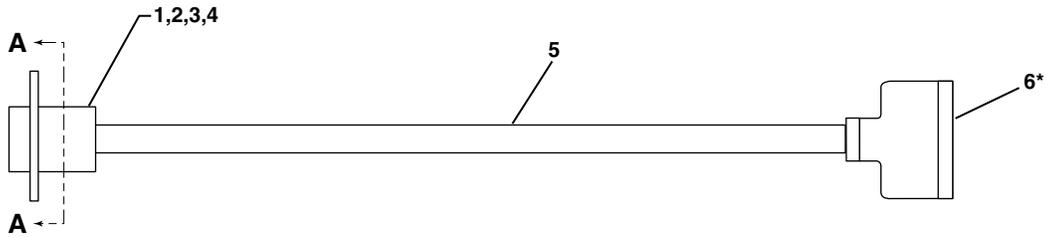
**ATTENTION!**  
 Truck Lite parts listed are **NOT AVAILABLE** through the E.D. Etnyre Co. Therefore any Replacement parts will need to be obtained through your nearest Truck-Lite Dealer or Midwest Truck Parts Ph: 1-800-934-2727

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	10205Y	2	Amber Lamp	15	77208-60	1	RH-STOP, TURN & M/C Harness
2	10700	7	Grommet	16	77308	1	Lower ID & License Harness
3	77304-156	2	Front M/C Harness	50307	1	License Plate Harness	
4	60215Y	2	Amber Mid Turn Lamp	17	15011	1	License Lamp Asm
5	60700	2	Grommet	18	40242R	4	Red-STOP, TURN Lamp
6	77808	2	8 Outlet Distribution Module	19	40700	4	Grommet
7	77804	1	Distribution Module, (4) Outlet	20	97944	1	NYK-77 Compound, 2oz Tube
8	Q497455	2	Dummy Plug, 77 Series	21	Q400217	4	Reflector Red B460R
9	77342-0168	1	RH Mid Turn Harness	22	Q402185	1	Socket Asm, 7-Pole W/Boot
10	77343-0168	1	LH Mid Turn Harness	23	Q400280	1	Plug, 7-Pole
11	77852	1	7 Connector Asm-Boot Kit	24	6702504	AR	Cable-7 Way, Berkshire 81012
12	77853	4	Filler Plug	25	Q400216	4	Amber Reflector
13	10205R	5	Red Lamp				
14	77209-60	1	LH-Stop, Turn & M/C Harness				

# ELECTRICAL GROUP-ARD ATTACHMENT

**Q500023**

**(Optional)**



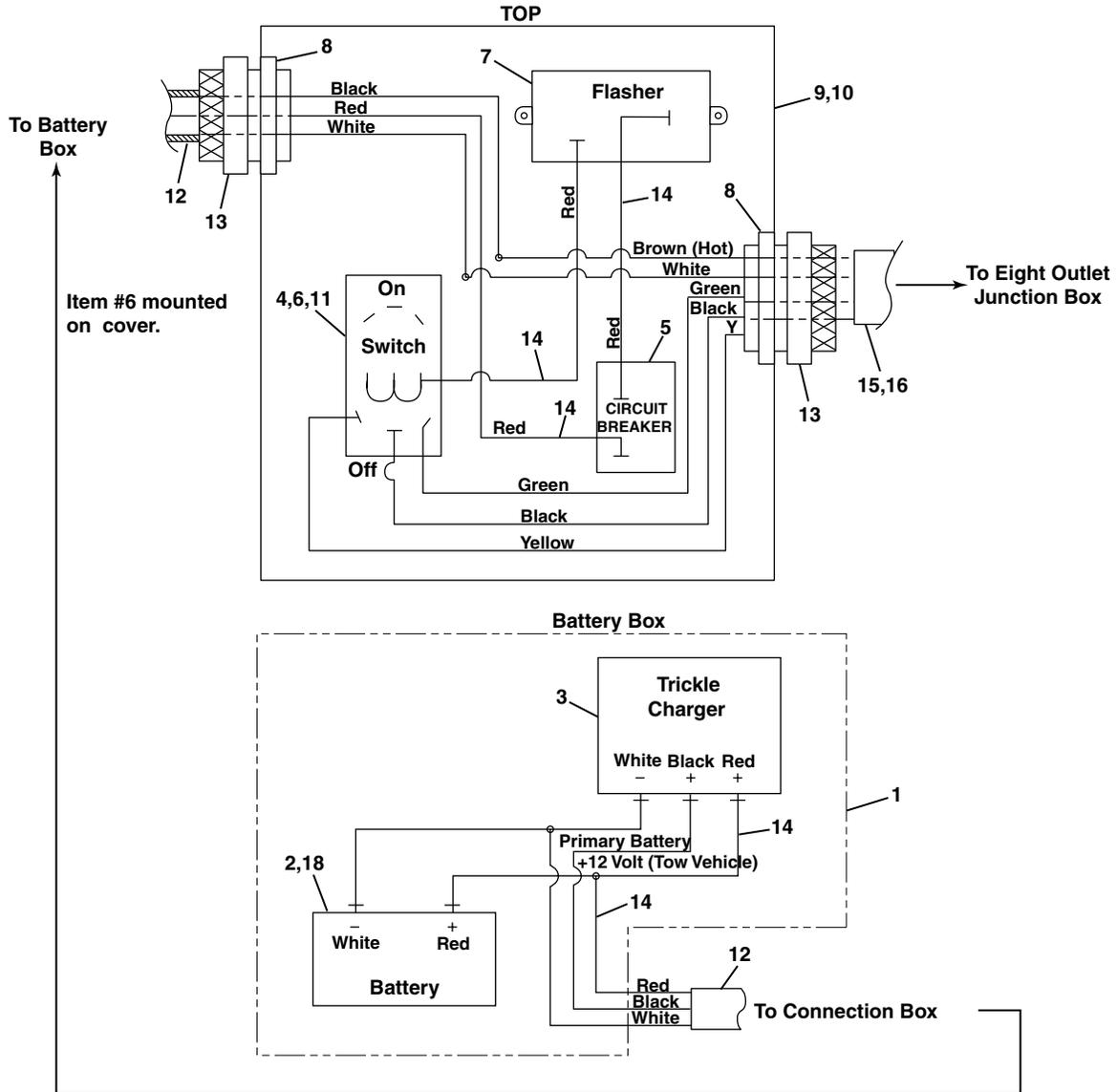
NOTE: Truck Lite Part is Ref.# 6.

**ATTENTION!**  
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 through the E.D. Etnyre Co. Therefore any  
 Replacement parts will need to be obtained  
 through your nearest Truck-Lite Dealer or  
 Midwest Truck Parts Ph: 1-800-934-2727

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q402185	1	Socket Asm, 7-Pole W/Boot				
2	Q018465	2	Cpscr-1/4 UNC x 1, GR5				
3	Q015054	2	Nut-Hex Full 1/4 UNC				
4	Q018425	2	Lockwasher-High Collar 1/4				
5	6702132	3	Cable-Trailer 7 Con 6-14 & 1-10 Ga				
6	77852	1	Connector Asm, 3/4" I.D.				

**ELECTRICAL**

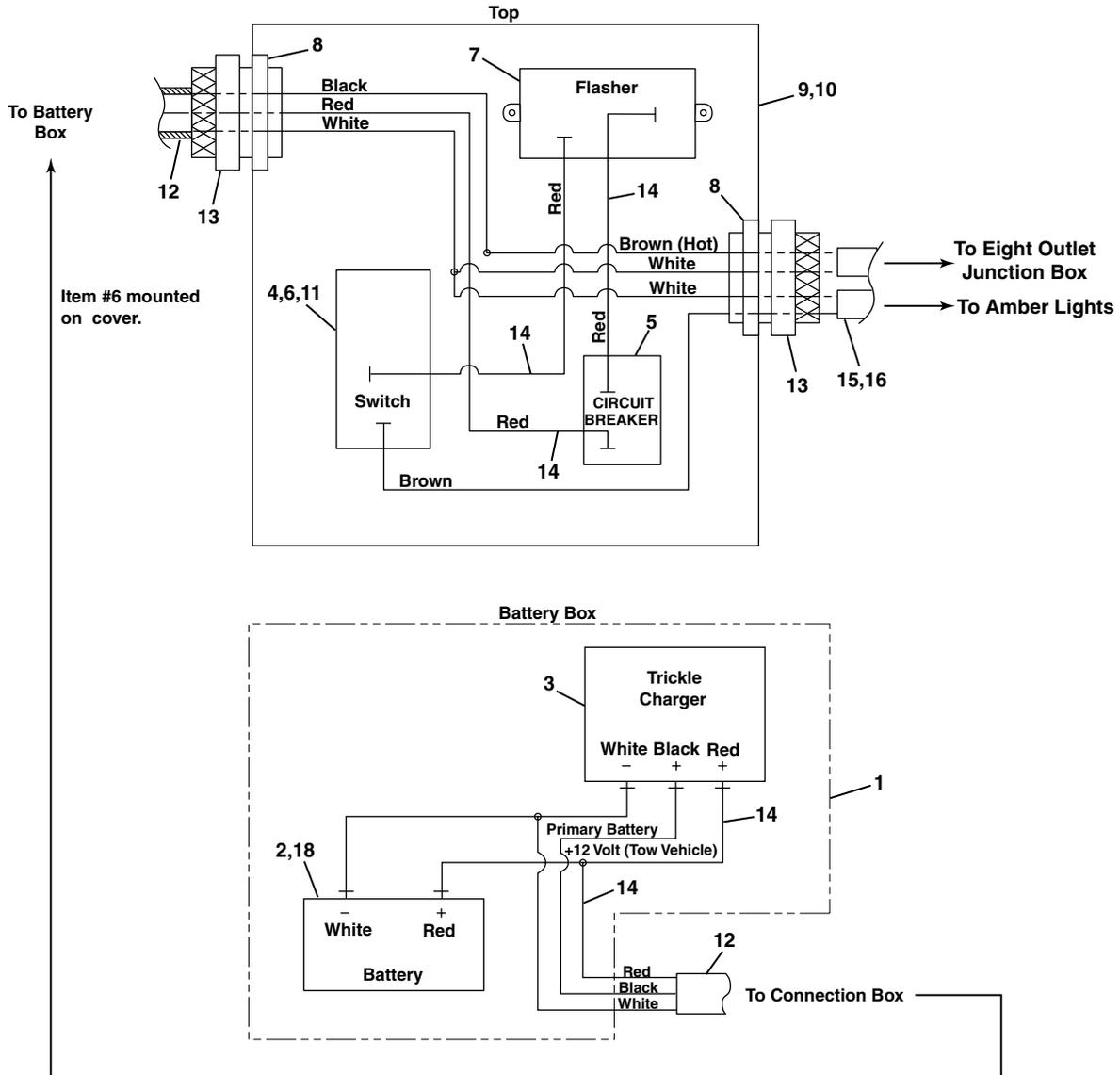
**FLASHER KIT - TURN SIGNALS**  
**Q500283 STANDARD**  
**Q508167 LED**



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q509538	1	Box Asm, Battery, 12V, SS24	10	6700834	1	Cover - Connection Box
2	Q446975	1	Battery, 12 Volt, 22NF	11	Q493584	1	Decal - Light Switch
3	Q500255	1	Tow Charger, Tekonsha #2024	12	6700607	2	Cord Grip
4	6700156	2	Connector, Battery WR#29253	13	6700224	5	Wire, 10 Ga Stranded, Red
5	Q494919	1	Circuit Breaker - 20 Amp	14	6700110	20	Cable - 6 Way
6	6701976	1	Switch - Toggle, 3PDT, 2Pos, Maintain	15	Q492774	1	Connector Asm - 3/4" I.D.
7	Q494485	1	Flasher, 8 Bulb, 12V, Std Bulbs	16	6702355	20	Cable - 4 Way
	6702399	1	Flasher, 8 Bulb, 12V, LED Lights	17	6700164	1	Seal - Toggle Switch
8	6000016	2	Nut - Conduit, 1/2 inch	18	3320461	1	Lid - 12 Volt Battery Box
9	Q502925	1	Connection Box				

Specify Unit Serial No., Part No., & Part Description

**FLASHER KIT - REAR AMBER LIGHTS ONLY**  
**Q508081 STANDARD**  
**Q508166 LED**

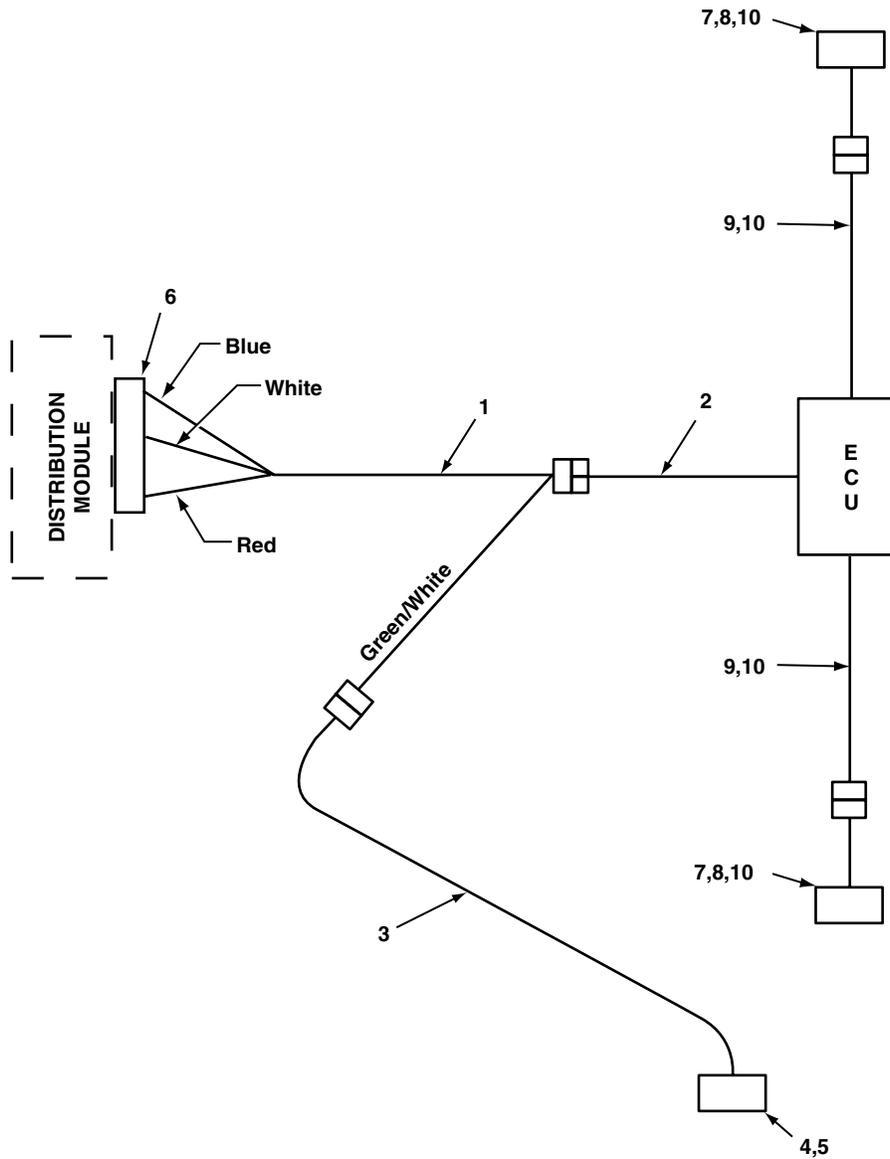


REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q509538	1	Box Asm, Battery, 12V, SS24	10	6700834	1	Cover - Connection Box
2	Q446975	1	Battery, 12 Volt, 22NF	11	Q493584	1	Decal - Light Switch
3	Q500255	1	Tow Charger, Tekonsha #2024	12	6702355	20	Cable - 4 Way
4	6700164	1	Seal - Toggle Switch	13	6700607	2	Cord Grip
5	Q494919	1	Circuit Breaker - 20 Amp	14	6700224	5	Wire, 10 Ga Stranded, Red
6	6700255	1	Switch - Toggle, SPDT, 2Pos, Maintain	15	Q478476	1	Harness
7	Q494485	1	Flasher, 8 Bulb, 12V, Std Bulbs	16	Q495726	1	Connector Asm - 3/8 I.D. Std Bulbs
	6702399	1	Flasher, 8 Bulb, 12V, LED Lights		Q492774	1	Connector Asm - 3/4 I.D. LED Bulbs
8	6000016	2	Nut - Conduit, 1/2 inch	17	3320461	1	Lid - 12 Volt Battery Box
9	Q502925	1	Connection Box	18	6700156	2	Connector, Battery WR#29253

Specify Unit Serial No., Part No., & Part Description

ELECTRICAL

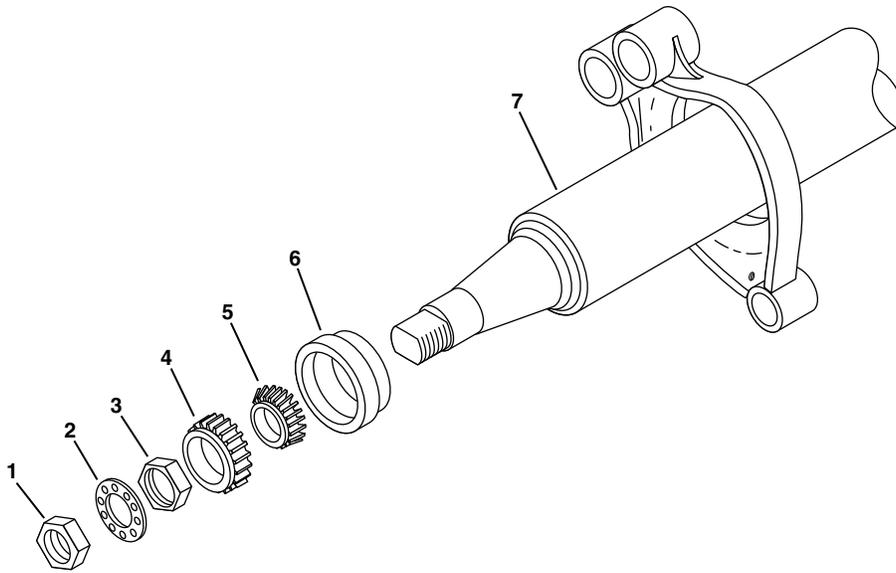
## ELECTRICAL SCHEMATIC-ABS 2S/2M Q513582



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	6702506	1	Harness-ABS Power TL52100 x 120"	8	6451097	2	Sensor Asm-441 032 808 0
2	6703016	1	Harness-1.0 Meter Power Cable	9	6451076	2	Cable-Sensor, 1.8M Long
3	6702507	1	Harness-ABS Lamp Jumper	10	6700169	16	Tie-Pit-4SCP-0, Black, Extra Lg.
4	6702505	1	Light-Marker, 2" ABS, TL 30257Y				
5	6702151	1	Grommet-Mounting				
6	Q495727	1	Connector, 1/2" ID (5 Cond, Cable)				
7	6450956	2	Sensor Spring Clip				

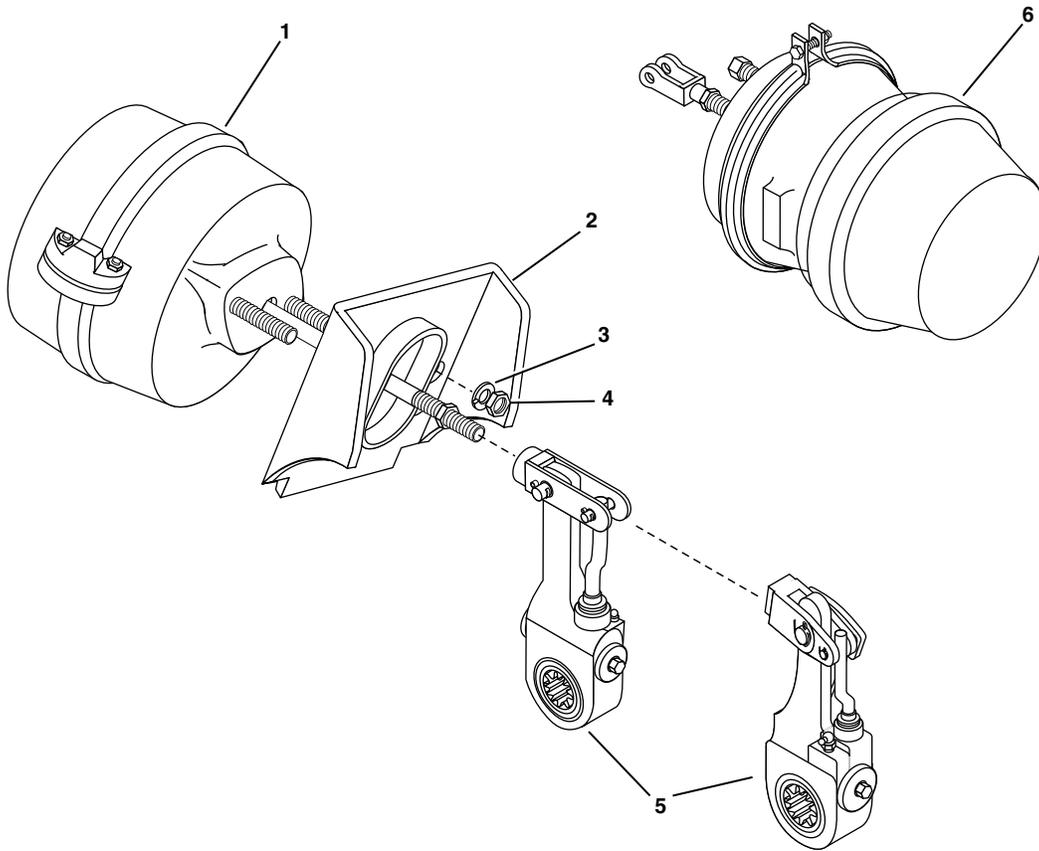
**AXLE**  
**Q486569-11 & Q486569-16**

AXLE



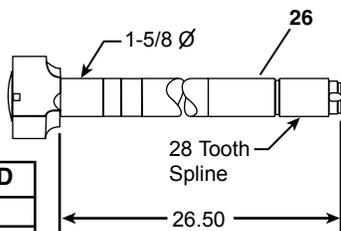
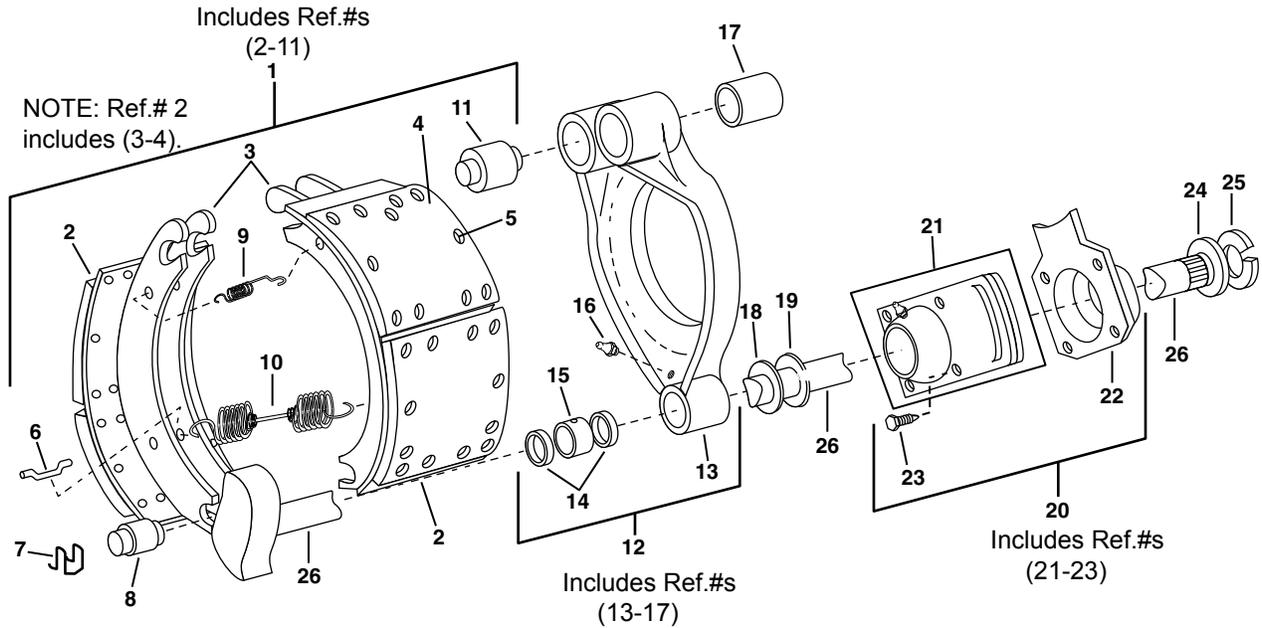
REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q400676	2	Nut	7	*****	1	Axle Asm - Specify Serial Number of Trailer
2	Q400677	2	Nut-Lock				
3	Q400678	2	Nut				
4	Q401262	2	Cone-Brg Outer				
5	Q435613	2	Cone-Brg Inner				
6	Q476230	2	Oil Seal (Guardian)				

## AIR CHAMBER - SLACK ADJUSTER



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q499301	1	Air Chamber Asm				
2	Q492170	1	Bracket, Air Chamber				
3	Q015160	2	5/8" Lockwasher Pkg				
4	Q015030	2	Nut				
5	Q486620	1	Slack Adjuster-Auto, Gunite				
	6451060	1	Slack Adjuster-Auto, Crewson Brunner				
6	Q492511	1	Spring Brake Chamber				

## BRAKE ASSEMBLY - 16-1/2 X 7 20,000 LB BRAKE & 23,000 LB BRAKE



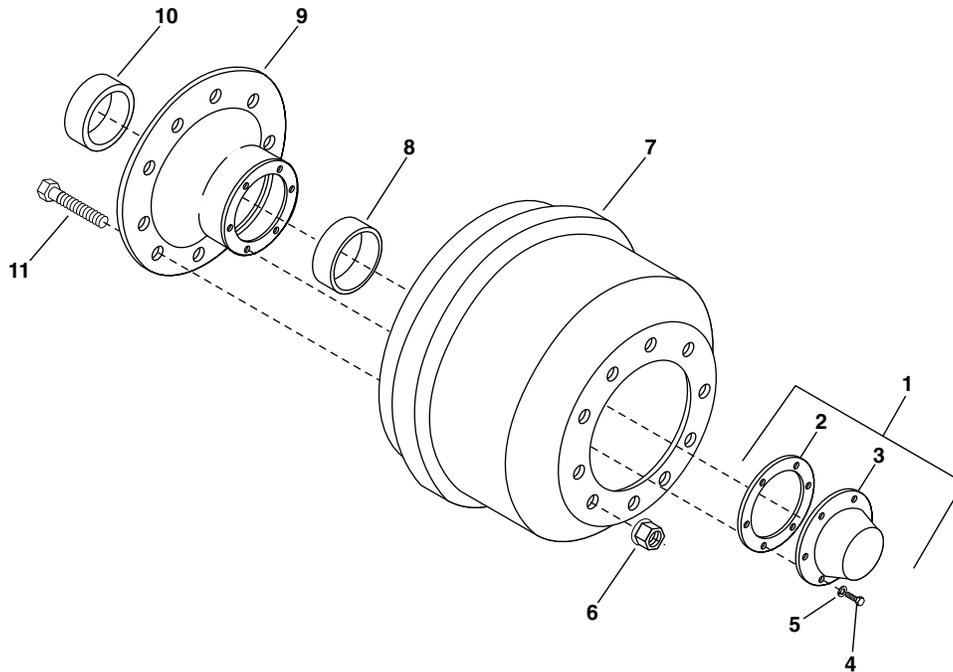
LENGTH	LEFT HAND	RIGHT HAND
17.875	Q499268-01	Q499268-02
20.250	Q499268-03	Q499268-04
21.375	Q499268-05	Q499268-06
22.875	Q499268-07	Q499268-08
23.375	Q499268-09	Q499268-10
23.750	Q499268-11	Q499268-12
25.000	Q499268-03	Q499268-14
26.500	Q499268-15	Q499268-16
29.000	Q499268-17	Q499268-18
30.500	Q499268-19	Q499268-20

STD AXLE

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q462945	1	Brake 16-1/2 x 7, 20,000 lb. Brake	15	Q495034	1	Bushing Spider, 1-5/8 ID
	Q513934	1	Brake 16-1/2 x 7, 23,000 lb. Brake	16	Q016009	1	Fitting-Grease
2	Q465914	2	Shoe & Lining, 20,000 lb. Brake	17	Q465878	2	Bushing
	Q513944	2	Shoe & Lining, 23,000 lb. Brake	18	Q495037	1	Washer-Cam Head, .120 Thick
3	-----	*	Brake Shoe, Included in Ref. #2	19	Q495036	1	Ring-Snap
4	Q445646	*	Set-Lining, 20,000 lb. Brake	20	Q492168	1	Bracket Cam Shaft (RH)
	Q513945	*	Set-Lining, 23,000 lb. Brake		Q492169	1	Bracket Cam Shaft (LH)
5	Q422798	48	Rivet	21	Q506969	1	Cam Bracket Sub Asm RH
6	Q465917	2	Pin-Return Spring		Q506970	1	Cam Bracket Sub Asm LH
7	Q444453	2	Retainer-Roller	22	-----	1	Bracket-Mounting
8	Q444452	2	Roller-Cam	23	Q495040	4	Screw
9	Q507399	2	Spring-Retention	24	Q506972	AR	Washer-.0897 Thk
10	Q444458	1	Spring-Retract	25	Q444456	1	Ring-Snap
11	Q465919	2	Pin-Anchor	26	Q499268-15	1	Brake Cam, 16-1/2 Brakes, LH
12	Q495033	1	Spider Asm, 5" Dia. 16-1/2" Brakes		Q499268-16	1	Brake Cam, 16-1/2 Brakes, RH
13	-----	1	Spider				For Non-Standard Axle Lengths See Table Above
14	Q507039	2	Seal				

BRAKES

## HUB & DRUM ASSEMBLY 6450946

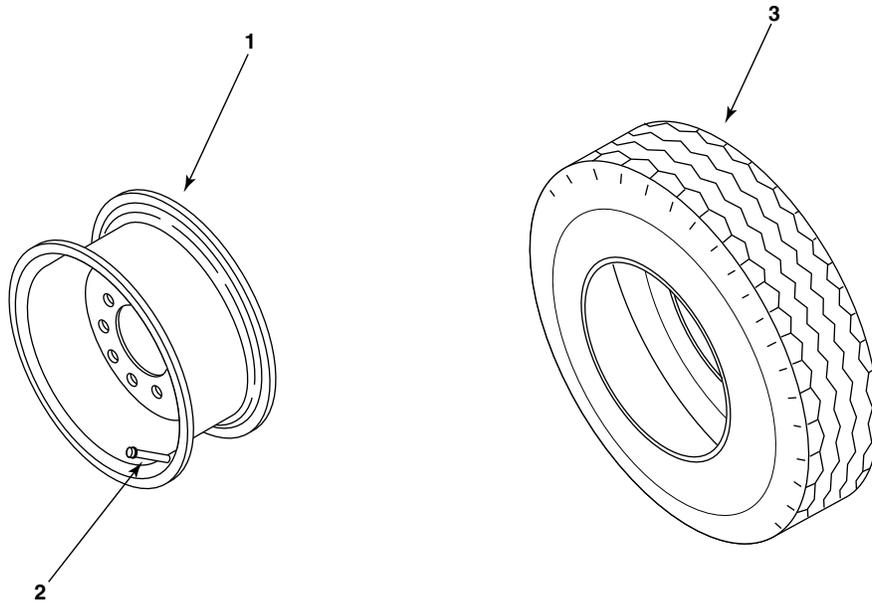


REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q413457	1	Hub Cap and Gasket	7	6450983	1	Drum, 16-1/2 x 7 Brake
2	Q413458	1	Gasket-330-3009, Stenco	8	Q401263	1	Cup-Bearing
3	Q400485	1	Cap-Hub	9	*****	1	Hub
4	Q016836	6	Capscrew-5/16 UNC x 3/4	10	Q435614	1	Cup-Bearing
5	Q015155	6	Lockwasher-5/16	11	Q492965	10	Wheel Stud, EMI5322
6	6450758	10	Nut-Flange, 2 Piece, 33MM Hex				

Specify Unit Serial No., Part No., & Part Description

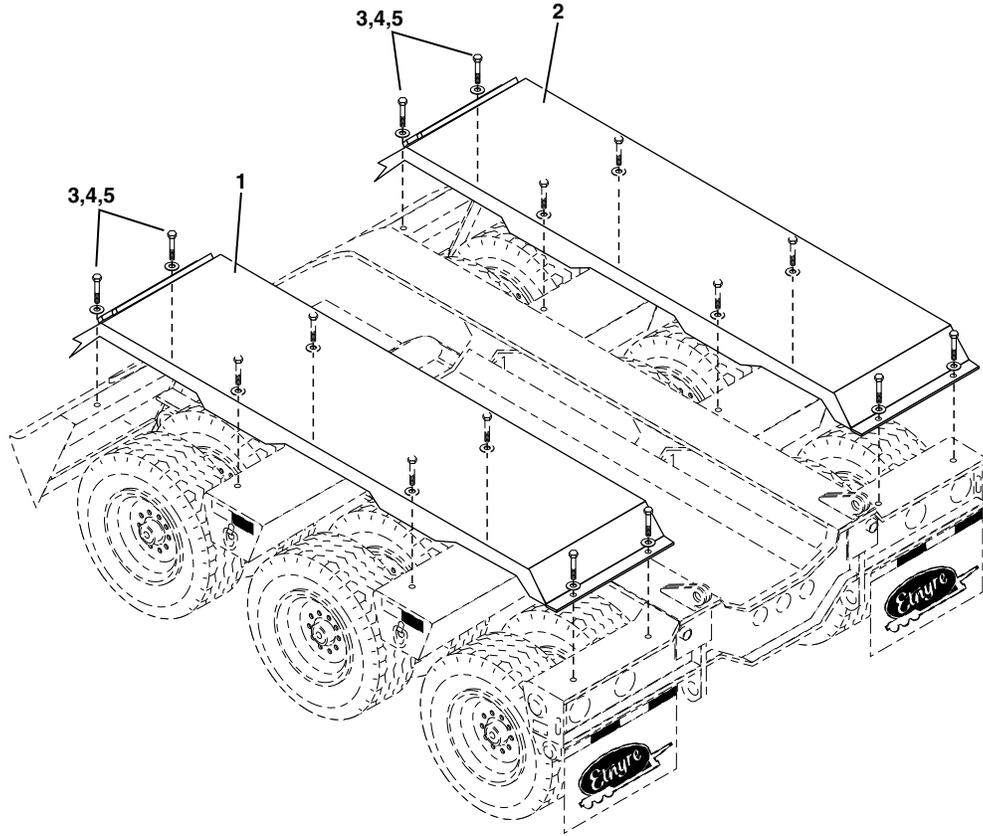
## TIRE & WHEEL ASSEMBLIES

Q496939-02



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	6450792	12	Wheel-Disc, Steel, 22.5 x 8.25	3	Q461432-02	12	Tire, .225/70R22.5 (Yokohama)
	6450788	12	Wheel-Disc, Polished Alum, 22.5 x 8.25		Q491650-02	12	Tire, .275/70R22.5 (Yokohama)
	6450665	12	Wheel-Disc, Machined Alum, 22.5 x 8.25				
2	6450266	12	Valve-Tire, Tubeless				

## WHEELWELL COVERS (Optional)



If your trailer has individual covers over each set of wheels,  
please call the factory with your serial number

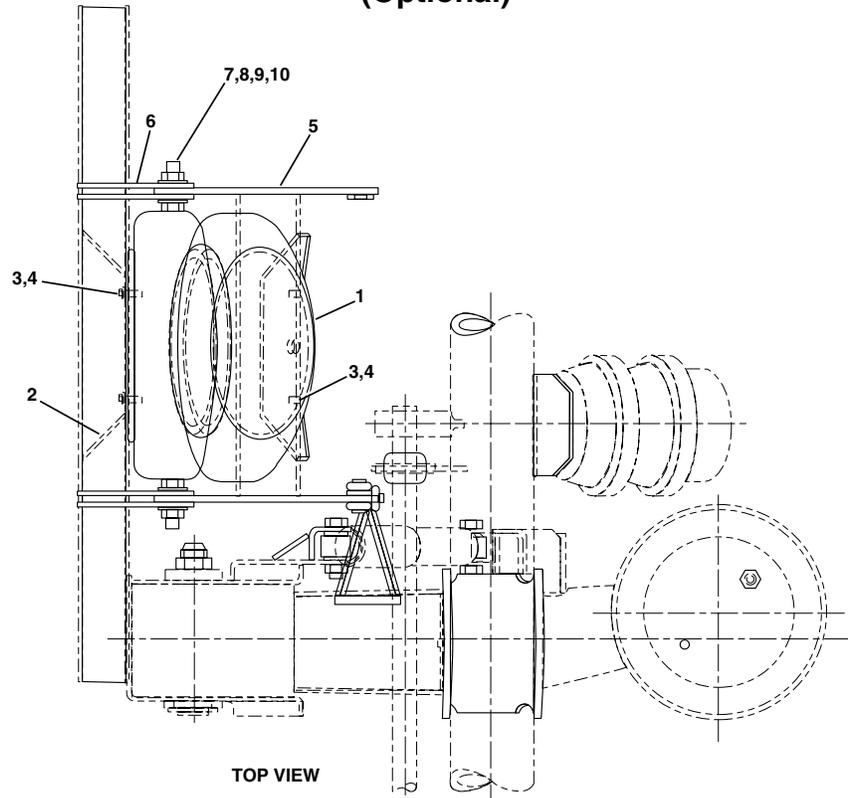
REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q512205	1	Wheel Cover Asm-LH (3 Axle)				
2	Q512206	1	Wheel Cover Asm-RH (3 Axle)				
3	0180179	16	Screw-Hex, 0.50NC x 1.75, GR5, PD				
4	0120390	32	Washer-Flat, 0.50A, W, PD				
5	0120384	16	Washer-Lock, 0.50, Spring, PD				
6	0120378	16	Nut-Hex, 0.50NC, PD				

### 3RD AXLE ARM LIFT ASSEMBLY

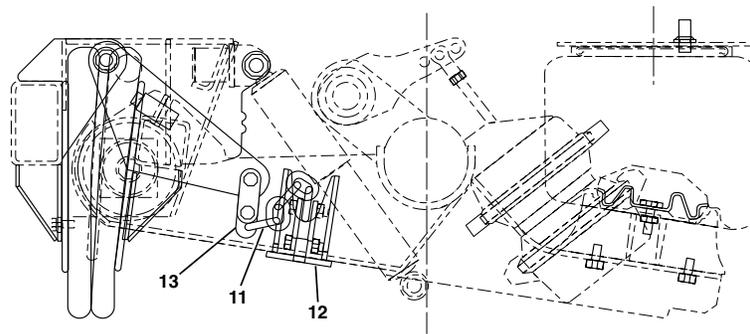
Q501861- 39" Beam Centers

Q509924 - 45" Beam Centers

(Optional)



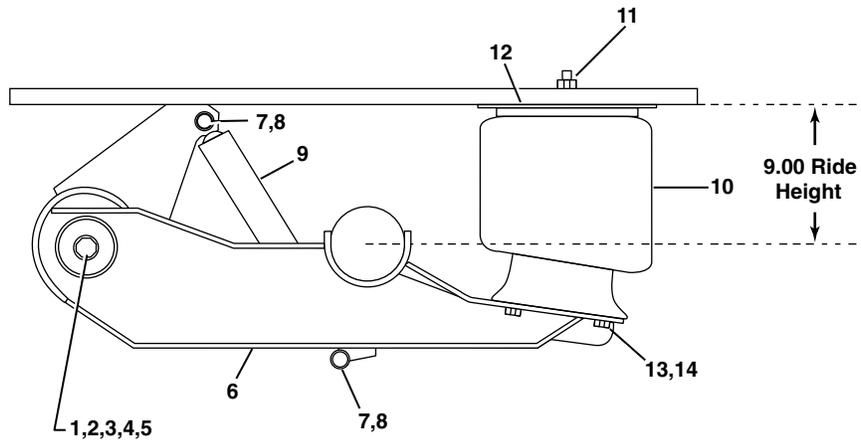
TOP VIEW



SIDE VIEW - OPERATING POSITION

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q513977	1	Air Bag (Goodyear 2B14-365)	7	1140604B105	2	HHCS 3/4-10NC x 2-1/2 Lg.
2	8240002	1	Mounting Plate	8	1150709B105	2	Nut Hex Lock 3/4-10NC Oval
3	1140674B105	4	HHCS 3/8-16NC x 1 Lg.	9	1162030B100	4	Washer Flat 3/4 Size
4	1160675B100	4	Washer Lock 3/8 Size	10	9004501	2	Bushing 3/4 ID x 1 Lg.
5	5970064	1	Arm Asm (39" Beam Centers)	11	5044501	2	Link Chain 3/8 (2650# Load Limit)
	5970068	1	Arm Asm (45" Beam Centers)	12	5500003	2	Beam Bracket Asm
6	7004500	4	Lift Anchor Plate	13	6000047	2	Link Kit (Fabricated)

**RIDEWELL - 25,000 LB.  
SUSPENSION ASSEMBLY  
6451166**

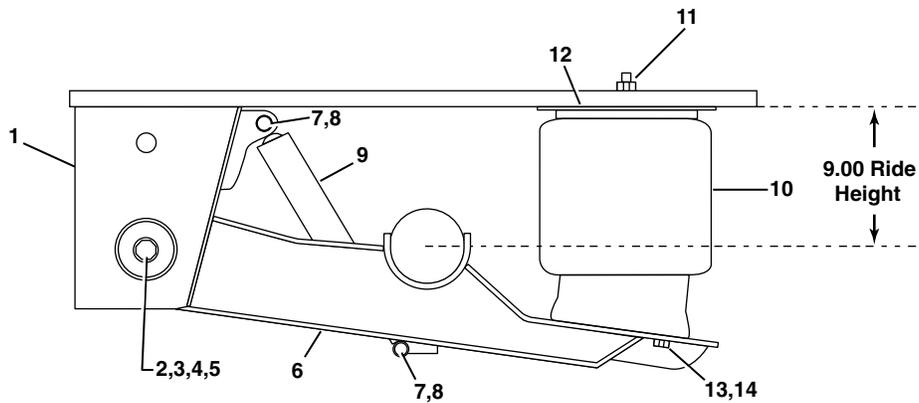


**NOTE: Ref #15 contains all necessary parts to rebush one complete axle**

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1*	1160001	2	“DTI” Washer for 1-1/4	11	Q513950	2	Lock Nut- 3/4-16NF Jam-Thin
2*	7620353	2	Eccentric Bolt-(Forged)	12	7007716B000	2	Air Spring Mounting Plate
3*	Q513946	2	Lock Nut 1 1/4-7NC GR8	13	1145383B105	6	HHCS 1/2-13NC 1 1/4 Lg
4*	Q513947	2	Washer-UHMW 6 1/4 OD	14	Q513953	6	Lock Washer 1/2 S/T Med
5*	Q513948	2	Washer, Anti-Turn	15*	Q513957	1	Bushing Kit
6	4287716D101	1	LBA LH Yoke Mount				
	4287716D201	1	LBA RH Yoke Mount				
7	Q513952	4	HHCS 3/4-10NC 3 1/2 Lg				
8	Q513954	4	Lock Nut 3/4-10NC Oval				
9	Q499116	2	Shock-Monroe 6 Stroke				
10	Q492949	2	Air Spring Goodyear 1R12-467				

**RIDEWELL - 25,000 LB.  
SUSPENSION ASSEMBLY  
6451167**

**SUSPENSION**

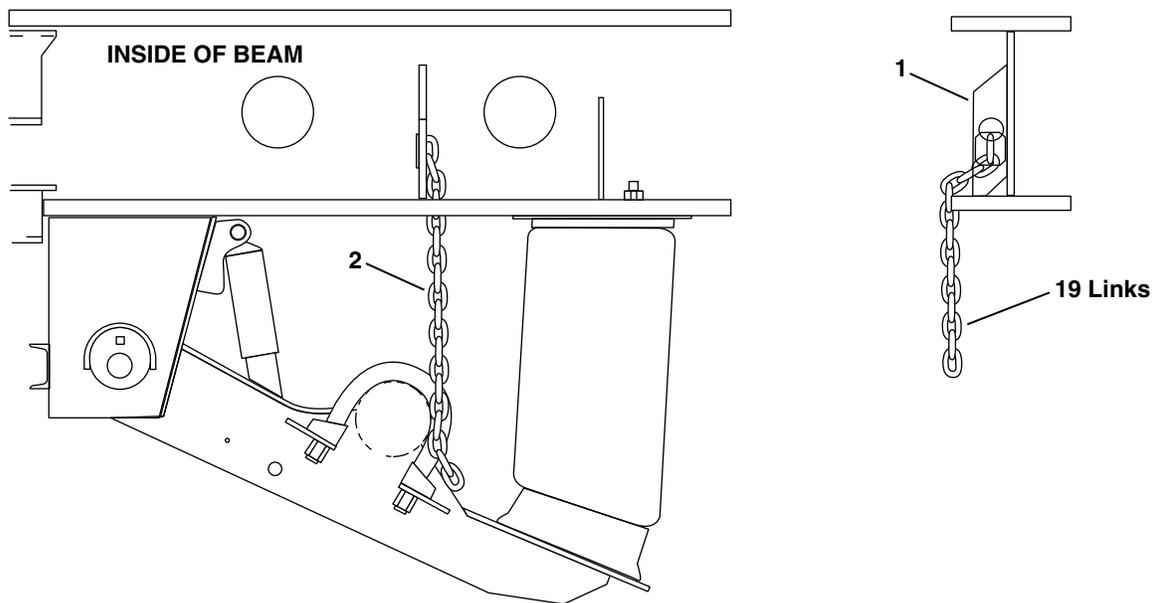


**NOTE: Ref #15 contains all necessary parts to rebush one complete axle**

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	3267744C108	1	LH Hanger Assembly	10	Q492949	2	Air Spring Goodyear 1R12-467
	3267744C208	1	RH Hanger Assembly	11	Q513950	2	Lock Nut- 3/4-16NF Jam-Thin
2*	Q513951	2	Eccentric Bolt-9 1/2 Lg.	12	7007716B000	2	Air Spring Mounting Plate
3*	Q501928	2	Lock Nut 1 1/4-7NC Sps Flex Lock	13	1145383B105	6	HHCS 1/2-13NC 1 1/4 Lg
4*	Q513947	2	Washer-UHMW 6 1/4 OD	14	Q513953	6	Lock Washer 1/2 S/T Med
5*	Q513948	2	Washer, Anti-Turn	15	Q513956	1	Bushing Kit- Complete kit for one axle
6	5970027	1	LH Beam Assembly				
	5790028	1	RH Beam Assembly				
7	Q513952	4	HHCS 3/4-10NC 3 1/2 Lg				
8	Q513954	4	Lock Nut 3/4-10NC Oval				
9	Q499116	2	Shock-Monroe 6 Stroke				

## LIMIT CHAIN INSTALLATION Q487053

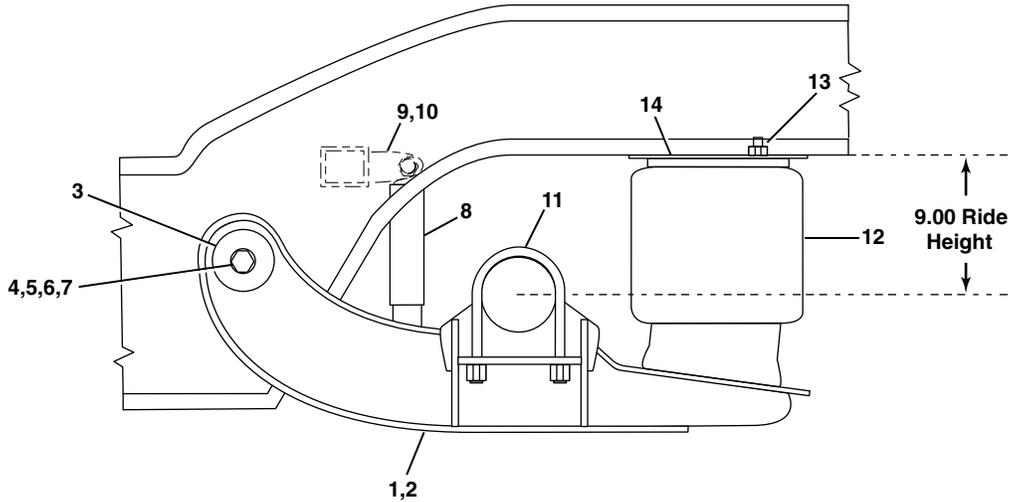
1. Extend axle to lowest position. Then raise 1/2"



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	LD12027	2	Bracket-Chain Lift				
2	Q509496	2	Chain Assembly				

**HENDRICKSON  
SUSPENSION ASSEMBLY  
6450710**

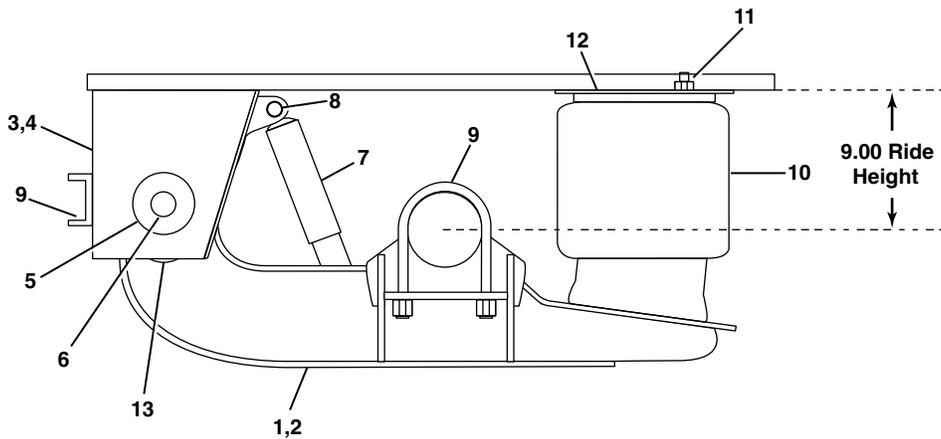
**ATTENTION:**  
All numbers given are Hendrickson Suspension Parts. For replacement, please contact your nearest Hendrickson Dealer.



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	C-20131-1	1	Beam & Axle Seat Asm	12	C-20127	2	Air Spring
2	C-20131-2	1	Beam & Axle Seat Asm	13	A-20033	1	Air Spring Bolt Kit
3	B-7349	4	Alignment Collar	14	B-21209	2	Air Spring Plate
4	A-7345	2	Pivot Bolt Kit				
5	B-7343	2	Bushing Asm				
6	B-11613	4	Wear Pad Bushing				
7	A-7342	2	Tube Sleeve				
8	A-20002	2	Shock Absorber				
9	C-2592	2	Shock Clevis				
10	A-2157	1	Shock Bolt Kit				
11	A-3650	1	U-Bolt Kit				

**HENDRICKSON  
SUSPENSION ASSEMBLY  
6450711**

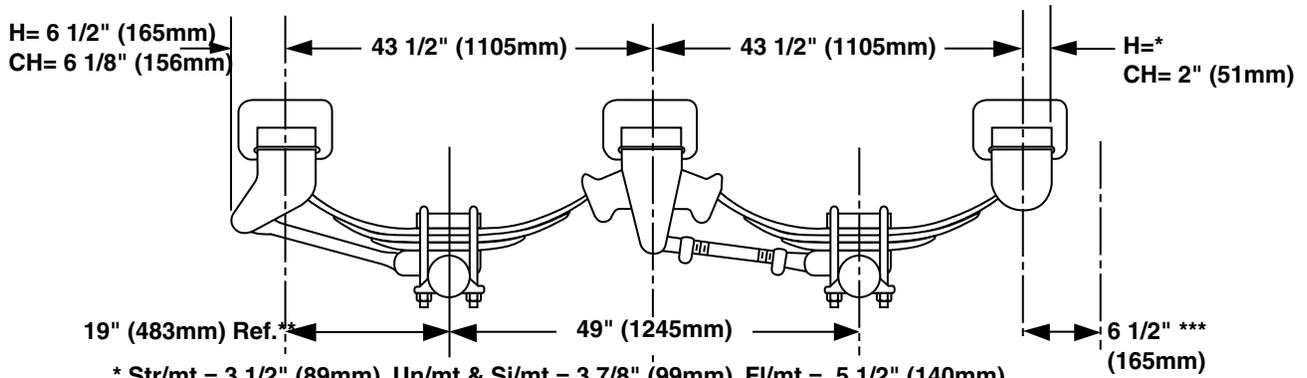
**ATTENTION:**  
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REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	C-20335-1	1	Beam & Axle Seat Asm	12	A-20033	1	Air Spring Bolt Kit
2	C-20335-2	1	Beam & Axle Seat Asm	13	B-11613	2	Air Spring Plate
3	D-20322-1	1	Frame Bracket Asm				
4	D-20322-2	1	Frame Bracket Asm				
5	A-8670	2	Pivot Bolt Kit, Huck				
6	B-2770	4	Alignment Collar				
7	A-20002	2	Shock Absorber				
8	A-2157	1	Shock Bolt Kit				
9	A-3650	1	U-Bolt Kit				
10	A-1631-19	1	Channel				
11	C-20127	2	Air Spring				

**35T HUTCH 9700 SPRING  
SUSPENSION ASSEMBLY  
Q489303**

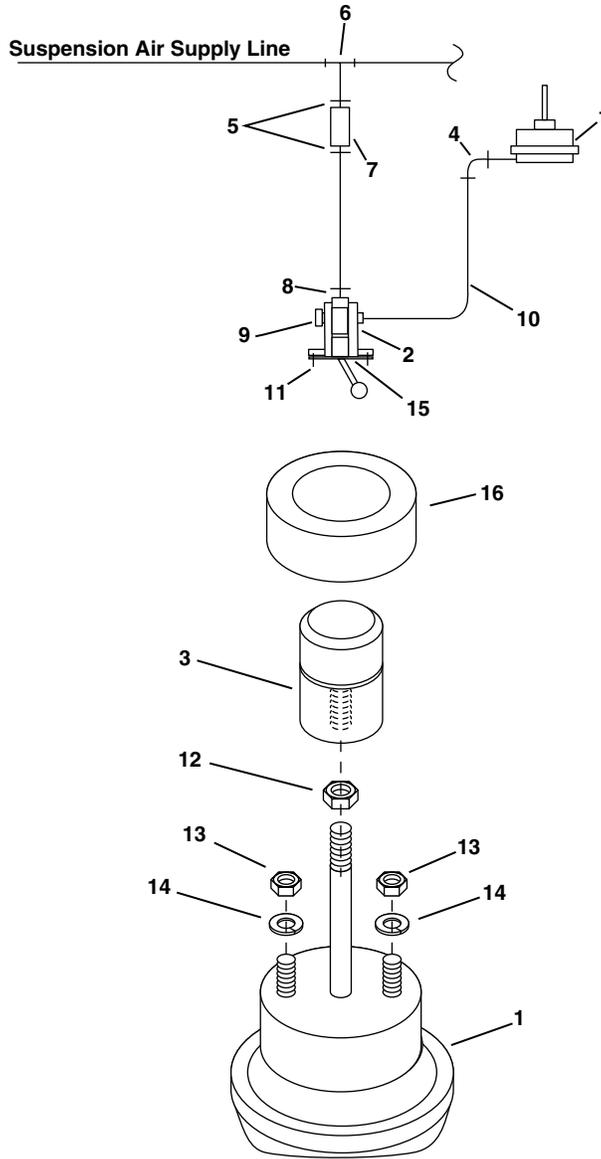
**SUSPENSION**



\* Str/mt = 3 1/2" (89mm), Un/mt & Si/mt = 3 7/8" (99mm), Fl/mt = 5 1/2" (140mm)  
 \*\* Ref.: This dimension may vary with changes in springs, spring seat heights, etc.  
 \*\*\* Recommended spring clearance

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	PD10382	4	Spring Assembly				

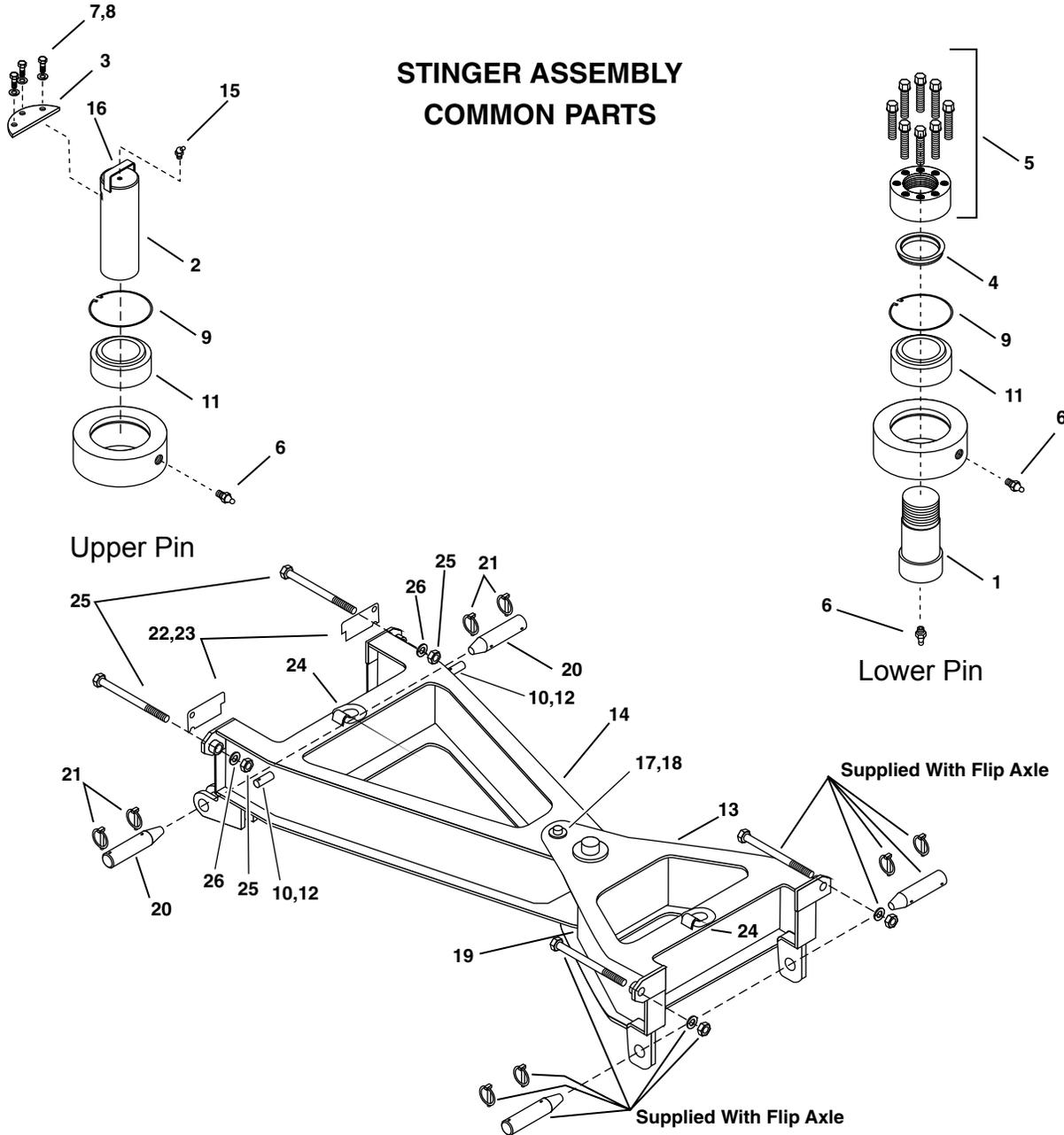
## AIR OPERATED LOCK PIN ASSEMBLY Q507150



SUSPENSION

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q490417	1	Air Chamber-Type 9, 4.75 Lg Pushrod	11	Q400003	2	Screw-10-24 x 1 1/4 Slotted Rd Head
2	Q447390	1	Valve-Air Supply	12	0124934	1	Nut-Hex, Jam, 0.50NF, Pd
3	Q507149	1	Lock Pin	13	0271501	2	Nut-Hex, 0.44NC, Pn
4	6600832	1	Elbow-Arbk, 90, 04MP-06MT	14	0120383	2	Washer, Lock, 0.44 Spring, Pd
5	6600831	2	Adapter-Arbk, St, 04MP-06MT	15	0500998	1	Mtg Pl-Air Valve, Stinger
6	6600830	1	Tee-Arbk, 06MT-06MT-06MT	16	Q507148	1	Bushing- Backing Pin (Welded into Stinger)
7	6600963	1	Valve-Check, Single, .25 NPT				
8	6600946	2	Adapter-Arbk, St, 02MP-06MT				
9	Q014349	1	Pipe Plug-Hex Head, 1/8 NPT				
10	6309162	15	Tube-Nylon, Air, 0.38, Generic				

### STINGER ASSEMBLY COMMON PARTS



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	Q507141	1	Pin- Lower	16	Q507147	1	Handle- Pin, Upper
2	Q507144	1	Pin- Upper	17	Q507148	1	Bushing- Backing Pin (Welded into Stinger)
3	Q507145	1	Lock- Pin	18	Q507150		Air Operated Lock Pin (Shown On Previous Page)
4	Q507146	1	Spacer	19	Q741110088	2	Stop Plate- 3 x 1/2 x 4 1/16
5	Q507028	1	Superbolt- 2 3/4 x 6 TPI	20	Q496615	2	Pin- Lower Lug, Flip
6	9411010	3	Fitting- Lube, St, 1/8	21	Q496622	4	Pin- Snap, 5/16 x 2 1/2 Useable
7	0186679	3	Screw- Hex, 0.38NC x 1.25, Gr 8, Pd	22	Q511800	4	Shim- Flip Axle
8	0120382	3	Washer- Lock., 0.38, Spring, Pd	23	Q511798	24	Shim- Flip Axle
9	6001424	2	Snap Ring- Internal, 4.75 Dia	24	Q400200	2	Lash Ring And Clip
10	Q496593	2	Shaft- Shim Mounting	25	Q505976	2	Capscrew- 1-8UNC x 10, Gr 8, Pd
11	Q507029	2	Bearing, Spherical, Plain, 3" ID	26	Q221720	2	Nut- 1-8UNC, Gr 8
12	6001007	2	Pin- Hair, Cotter, For 0.75" Shaft	27	0131048	2	Washer- Lock, 1.00, Spring, Pd
13		1	Stinger Asm- Rear, Call with S/N				
14		1	Stinger Asm- Front, Call with S/N				
15	Q400297	1	Fitting- Lube, 65 Deg, 1/8				

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0040700	32	0221354	27	6450665	41	6602459	14	1150709B105	44
0060700	32	0271501	51	6450758	40	6602465	17	1160675B100	44
0077308	32	0271506	26	6450788	41	6602465	18	1162030B100	44
0077804	32	0273469	17	6450792	41	6602466	17	3267744C108	46
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0077852	33	0274993	13	6450961	17	6602490	14	4287716D101	45
0077853	32	0274993	17	6450961	18	6602491	26	4287716D201	45
0097944	32	0274993	18	6450962	17	6602739	14	6602380-03	17
0103411	7	0274993	19	6450962	18	6602759	14	6602380-03	18
0105404	26	0274993	26	6450963	17	6602760	14	6602380-05	18
0105405	16	0426370	9	6450963	18	6602875	7	6602380-08	19
0105405	24	0444687	19	6450983	40	6603009	7	6602380-09	19
0105405	25	0446363	19	6451076	36	6603010	7	6602380-10	17
0105408	26	0500998	51	6451097	36	6603011	14	6602380-10	18
0106851	7	1160001	45	6451193	18	6603013	14	6602380-13	17
0114951	31	2790527	5	6451270	17	6603014	13	6602380-13	18
0119098	13	3320461	34	6600829	22	6700110	34	6602380-13	19
0120233	13	3320461	35	6600829	24	6700156	34	6602380-15	18
0120238	27	4420933	7	6600830	26	6700156	35	7007716B000	45
0120375	13	4470271	17	6600830	51	6700164	34	7007716B000	46
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0120377	9	5790028	46	6600831	51	6700224	34	77304-156	32
0120377	13	5970027	46	6600832	16	6700224	35	77342-0168	32
0120377	14	5970068	44	6600832	17	6700255	35	A-1631-19	49
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0120380	27	6001177	27	6600832	23	6702132	33	A-2157	49
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0120383	51	6100328	30	6600832	51	6702399	34	A-7345	48
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