LEACH®
COMPANY
A Subsidiary of Federal Signal Corporation

2R-III
PARTS MANUAL
Over Serial Number 30000

FOREWARD

Leach Company has been a leader in the refuse industry for over 115 years. Leach refuse bodies are the industry standard for both quality and performance. Leach Company is justifiably proud of the quality engineering, material and workmanship that goes into each and every packer we produce. This commitment to quality extends to the best parts, service and distributor organization in the industry.

One area of great importance to us at Leach Company is your safety. This unit was built in accordance with the American National Standards Institute (ANSI) standard for Mobile Refuse Collection and Compaction Equipment - Safety Requirements, ANSI Z245.1 - 1999. Before operating this unit please read and understand the safety precautions found in Section 1 of the Service and Operators manual. They are important and are provided to assist you in the safe operation of the unit.

This manual was produced with the intention of providing clear, concise instructions for the proper operation and servicing of your refuse packer. It was produced with the latest information available at the time of publication. We do, however, reserve the right to redesign and/or discontinue the manufacture of parts, components or assemblies at any time. Leach Company has an aggressive manual and product improvement program. In any conversation or correspondence dealing with information provided in any Leach manual please refer to the part number of that manual.

The manuals provided with the unit are considered a permanent part of the unit and should be included in the event of a re-sale. Additional manuals are available, free of charge, from your local authorized Leach distributor. These manuals should be kept readily available for easy reference. We ask that if you have comments or suggestions concerning this manual please contact us at (877) 800-1111. We are here to be of service to you, our valued customers.

WARRANTY

LEACH®
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Refuse bodies manufactured by Leach Company, ("Company") are supplied and sold under a Limited Warranty that they are and will remain free of defects in workmanship or material for a period of six (6) months from the date of original sale under reasonable conditions of use and operation, providing required planned maintenance services are performed. Extended warranty packages are available for purchase. If a failure occurs during said period because of such defect in the opinion of the Company, the component or part shall be repaired or replaced by an authorized Leach Distributor at no cost to the customer provided the unit is brought to the distributor's service facility. After three (3) months, performance of adjustments or the replacement of wear/expendable components is not covered under warranty. This limited warranty is the sole and exclusive warranty of the Leach Company.

THE COMPANY MAKES NO WARRANTY AS TO MERCHANTABILITY, FITNESS FOR USE, LEGALITY OF OPERATION IN ANY JURISDICTION OR ANY IMPLIED WARRANTY OF ANY KIND OR NATURE. THE COMPANY SHALL NOT BE LIABLE FOR ANY SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND OR NATURE, OTHER THAN ITS LIMITED WARRANTY OF REPLACEMENT HEREIN. NO OTHER PERSON, FIRM, OR CORPORATION CAN BIND THE COMPANY TO ANY WARRANTY OTHER THAN HEREIN ABOVE STATED.

To validate the new unit warranty, an authorized Leach Distributor must have completed a predelivery inspection before the unit is placed into service, and the delivery report form signed by both the customer and the distributor must be submitted to the Leach Service Department.

Because Company products are engineered to work only with genuine Company parts, this limited warranty will be void and of no effect if: (a) Company products are modified other than as done at its factory or as authorized to be done by the factory in writing; or (b) Parts or assemblies of any other manufacturer are used as substitutes for genuine Company parts.

Genuine Leach replacement parts, components and assemblies are also sold under a Limited Warranty to be free from defects in workmanship or material for a period of six (6) months. This is a replacement only warranty and the item must be returned to the Leach distributor for exchange. The labor to replace or repair the part shall be the responsibility of the customer. There is no warranty on expendable items, wear components or used parts.

Leach Company reserves the right to redesign and/or discontinue the manufacture of parts, components and assemblies at any time.

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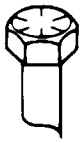
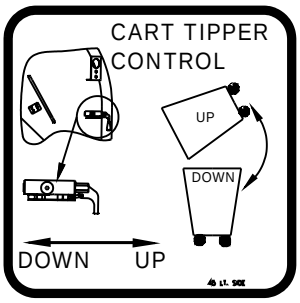
CAPSCREW MARKING AND TORQUE VALUES

Usage	Much Used	Used at Times	Used at Times
Capscrew Diameter & Minimum Tensile Strength PSI	To ¾ - 120,000 To 1 - 115,000	To ⅝ - 140,000 To ¾ - 133,000	150,000
Quality of Material	Min. Commercial	Med. Commercial	Best Commercial
SAE Grade Number	5	6 or 7	8
CAPSCREW HEAD MARKINGS Manufacturer's marks may vary. These are all SAE Grade 5 (3-line.)			
Capscrew Body Size (Inches) - (Thread)	**Torque Ft-Lb (kg m)**	**Torque Ft-Lb (kg m)**	**Torque Ft-Lb (kg m)**
¼ - 20	8 (1.11)	10 (1.38)	12 (1.66)
- 28	10 (1.38)		14 (1.94)
5/16 - 18	17 (2.35)	19 (2.63)	24 (3.32)
- 24	19 (2.63)		27 (3.73)
⅜ - 16	31 (4.29)	34 (4.70)	44 (6.09)
- 24	35 (4.84)		49 (6.78)
7/16 - 14	49 (6.78)	55 (7.61)	70 (9.68)
- 20	55 (7.61)		78 (10.79)
½ - 13	75 (10.37)	85 (11.76)	105 (14.52)
- 20	85 (11.76)		120 (16.60)
9/16 - 12	110 (15.21)	120 (16.60)	155 (21.44)
- 18	120 (16.60)		170 (23.51)
⅝ - 11	150 (20.75)	167 (23.10)	210 (29.04)
- 18	170 (23.51)		240 (33.19)
¾ - 10	270 (37.34)	280 (38.72)	375 (51.86)
- 16	295 (40.80)		420 (58.09)
⅞ - 9	395 (54.63)	440 (60.85)	605 (83.67)
- 14	435 (60.16)		675 (93.35)
1 - 8	590 (81.60)	660 (91.28)	910 (125.85)
- 14	660 (91.28)		990 (136.92)

NOTES:

1. *Always use the torque values listed above when specific torque values are not available.*
2. *The above is based on use of clean, dry threads.*
3. *Reduce torque by 10% when engine oil is used as a lubricant.*
4. *Reduce torque by 20% if new plated capscrews are used.*
5. *General Formula for calculating Torques is as follows: Torque in Inch Lbs. = .2 x Nominal Diameter of Screw x Loads in Lbs., where Load = 80% of Yield Strength, expressed in Lbs., not pounds per square inch.*

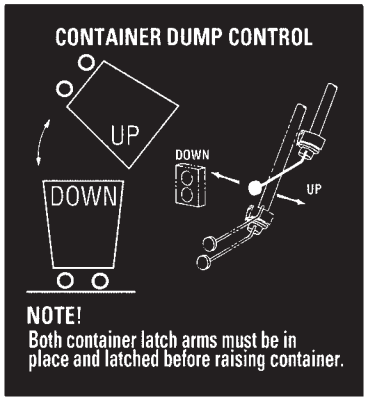
DECALS - 709111



1*

PACKER
PACKER
PACKER

8



16*

ENGINE
SPEED-UP

2

HYDRAULIC
FLUID ONLY

9

This unit conforms to all American National Standards Institute safety requirements Z 245.1 in effect on the date of manufacture.
LEACH

3

DRIVER SIGNAL

10

FILTER ELEMENT CHANGE
To ensure oil cleanliness and longer machine life, change the element at intervals of 20hrs, 50hrs, and at 250hr intervals thereafter.

17

NO STEP

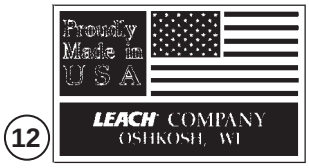
4*

BEACON LIGHT
ON OFF

11

HYD. PUSH BAR
HYD. PUSH BAR
HYD. PUSH BAR

5*



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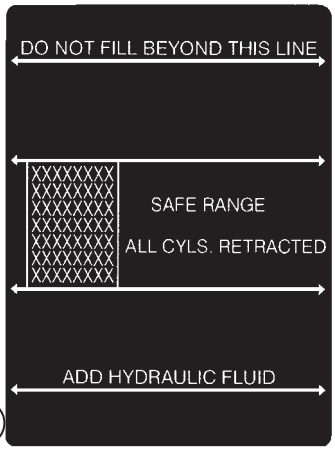

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CARRIER
CARRIER
CARRIER

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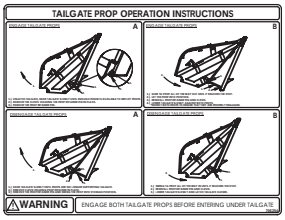
EJECTION
EJECTION
EJECTION

14



15

12,000 LB. CAPACITY

7*

PTO

19

*** For placement and application of these decals refer to the Container Manual or 2R-III Service Manual**

DECALS - 709111

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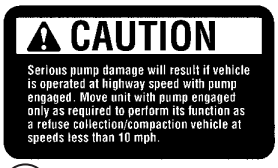

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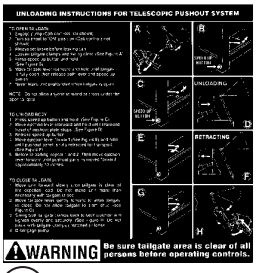

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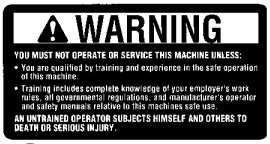

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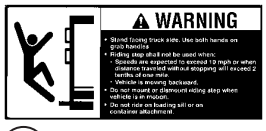

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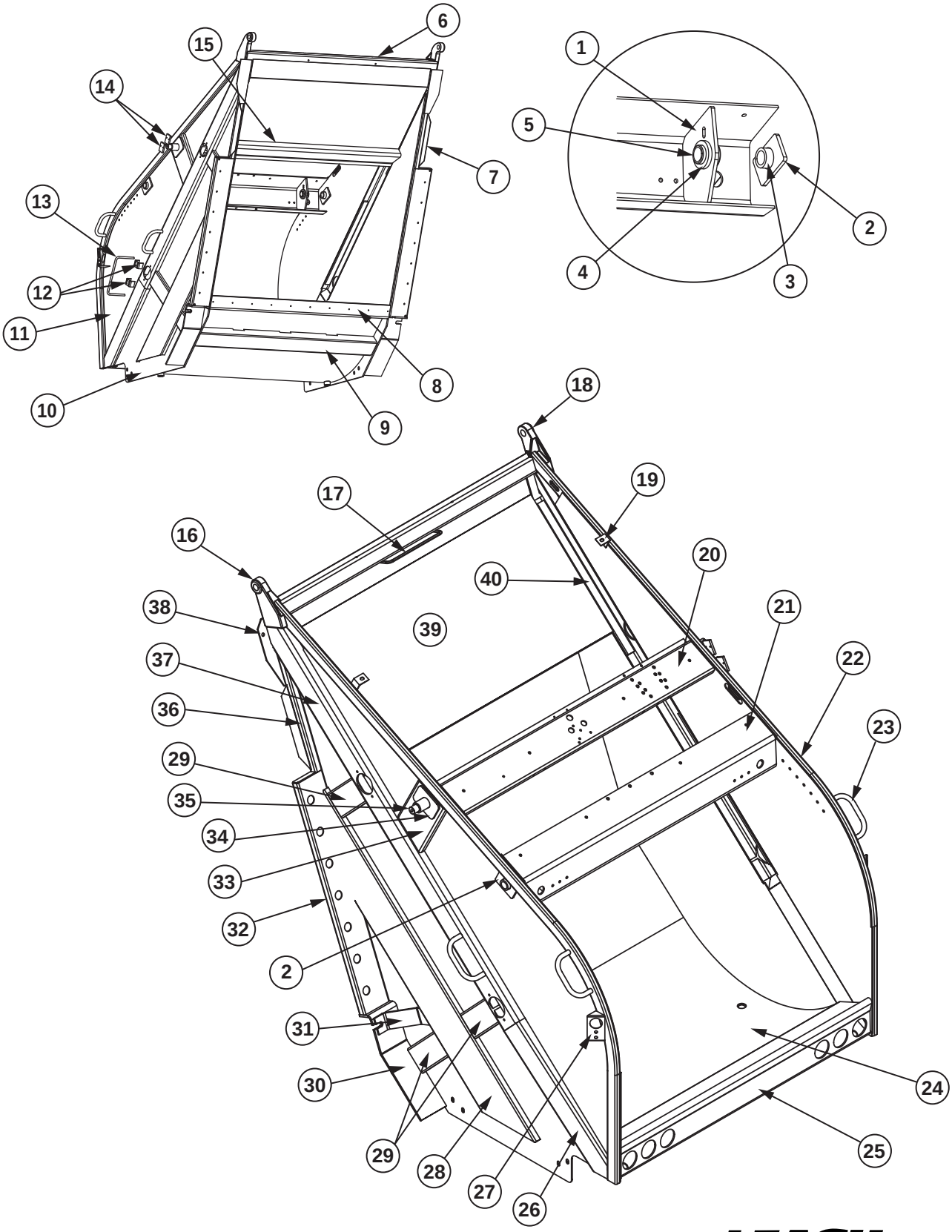
43

*** For placement and application of these decals refer to the Container Handling Manual or 2R-III Service Manual**

DECALS - 709111

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	606244	TIPPER, RH	1
	606245	TIPPER, LH	1
2	100895	ENGINE SPEED UP	1
3	104154	ANSI CONFORMITY	1
4	41637	NO STEP	1
5	108073	HYDRAULIC PUSH BAR	1
6	41894	WARNING, PTO	2
7	18674	12,000 LB. CAPACITY	1
8	108139	PACKER	1
9	40642	HYDRAULIC FLUID ONLY	1
10	100894	DRIVER SIGNAL	2
11	100351	BEACON LIGHT	1
12	106544	FLAG	1
13	108140	CARRIER	1
14	108141	EJECTION	1
15	709075	TAOLGATE PROP INSTRUCTIONS	1
16	209974	OPERATION INSTRUCTIONS, Container Dump	1
17	100890	FILTER ELEMENT CHANGE	1
18	40643	FLUID LEVEL	1
19	108144	PTO	1
20	210026	WARNING, Stand Up Operation	1
21	306327	WARNING, Latch Arms	2
22	38976	DANGER, Packer Panel	3
23	306020	OPERATION INSTRUCTIONS, Packing	1
24	306298	WARNING, Truck Clearance	1
25	210021	WARNING, Access Door	1
26	38979	DANGER, Stand Clear	4
27	306166	OPERATION INSTRUCTIONS, Unloading	1
28	210025	WARNING, Container Transport	1
29	101767	CAUTION, Pump Damage	1
30	306299	DANGER, Container	AR
31	306293	WARNING, Do Not Tow	1
32	36937	WARNING, Riding	1
33	210027	WARNING, Operator or Service	1
34	36938	WARNING, Riding Step	2
35	32711	WARNING, Do Not Enter	2
36	108072	WINCH	1
37	108163	WARNING, Tailgate Open	1
38	108142	TAILGATE	1
39	100350	WORK LIGHT	1
40	35954	LINE PULL	1
41	109059-01	SOLENOID	1
42	102960	PTO On/Off	1
43	105469	STROBE LIGHT	1
	709111	KIT, Decal Replacement	1
	602475	TAPE, Reflective, White, 2”	4 Ft.
	603266	TAPE, Reflective, Red/White, 2”	55 Ft.

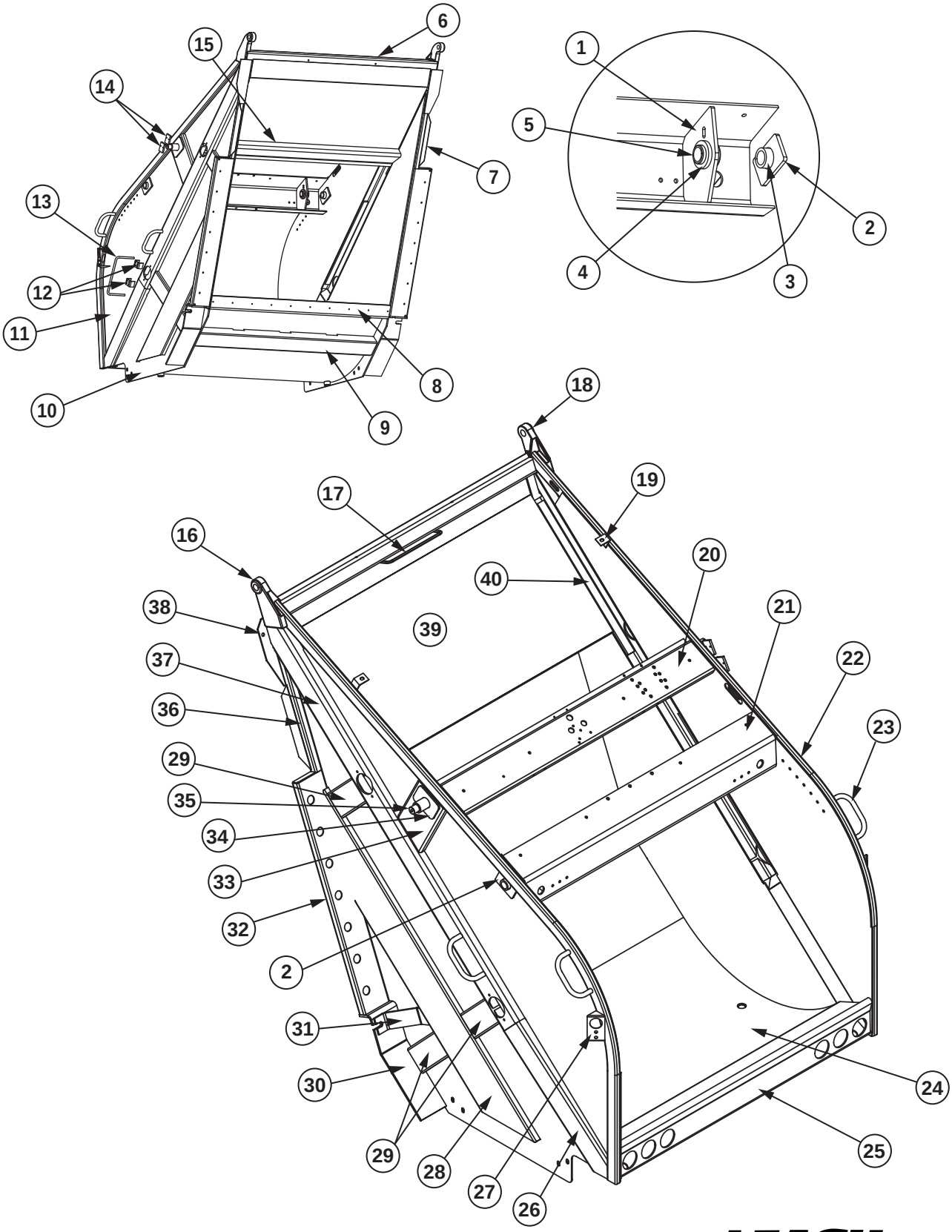
TAILGATE WELDMENT - Standard - 707269



TAILGATE WELDMENT - Standard - 707269

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	700063	BRACE, Carrier Cylinder Mount	2
2	700005	SLOT COVER	4
3	603597	HUB, Outer, 3” Long	2
4	204947	HUB	2
5	204945	HUB, Inner	2
6	306006	TUBE, Hinge	1
7	700051	COVER	2
8	700017	ANGLE, Hopper Bottom	1
9	700022	CHANNEL, Hopper Cross	1
10	700004	SIDE SHEET, Lower	2
11	700003	SIDE SHEET, Upper	2
12	209784	BRACKET, Bearing Block	2
13	209932	GUARD, Tailgate Controls	1
14	107824	PAD, Bearing Block	2
15	700064	WIPER, Heavy Duty	1
16	707250	HINGE, Tailgate, LH	1
17	208623	BAR, Safety Tethers	1
18	707251	HINGE, Tailgate, RH	1
19	700191	BRACKET, Crossover	2
20	702964	CHANNEL, Cross	1
21	700021	CHANNEL, Tailgate Cross	1
22	700012	FISH HOOK, RH	1
	700002	FISH HOOK, LH	1
23	15251	HANDLE, Grab	4
24	700016	BOTTOM, Hopper	1
	SR-9047	PIPE, Drain	2
25	700019	EDGE, Loading	1
26	700013	EXTENSION, Track Channel, RH	1
	700007	EXTENSION, Track Channel, LH	1
27	306424	BRACKET, Combo Light and Switch	2
	700625	BRACKET, Accessory Switch (Not Shown)	1
28	700014	CHANNEL, Horizontal, RH	1
	700011	CHANNEL, Horizontal, LH	1
29	700010	CHANNEL, Hopper Side	6
30	700256	ANGLE, Tailgate Side, LH	1
	700257	ANGLE, Tailgate Side, RH	1
31	200783	BRACE, Clamp	2
32	700006	TUBE, Lower Seal	2
33	701475	CHANNEL, Lift Pin, LH	1
	701716	CHANNEL, Lift Pin, RH	1
34	701477	PIVOT, Tailgate Lift Cylinder	2
35	700043	PLATE, Lift Pin	2
36	700050	TUBE, Upper	2
37	400394	CHANNEL, Track, RH	1
	400395	CHANNEL, Track, LH	1
38	200722	GUARD, Cylinder Spill	2
39	300501	PARTITION, Center	1
40	204106	BAR, Track	4

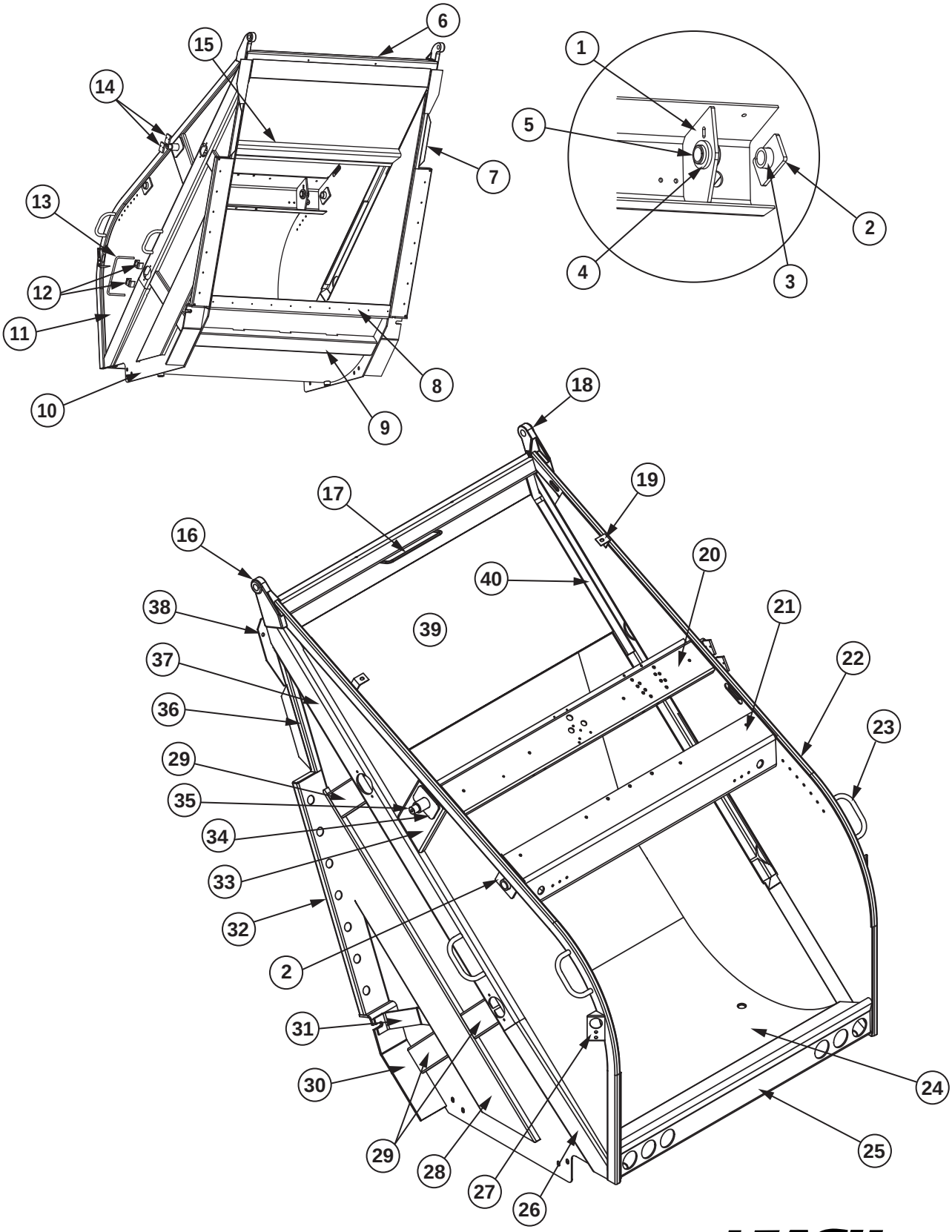
TAILGATE WELDMENT - Commercial - 707270



TAILGATE WELDMENT - Commercial - 707270

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	700063	BRACE, Carrier Cylinder Mount	2
2	700005	SLOT COVER	4
3	603597	HUB, Outer, 3” Long	2
4	204947	HUB	2
5	204945	HUB, Inner	2
6	306006	TUBE, Hinge	1
7	700051	COVER	2
8	700017	ANGLE, Hopper Bottom	1
9	700022	CHANNEL, Hopper Cross	1
10	700004	SIDE SHEET, Lower	2
11	700003	SIDE SHEET, Upper	2
12	209784	BRACKET, Bearing Block	2
13	209932	GUARD, Tailgate Controls	1
14	107824	PAD, Bearing Block	2
15	700064	WIPER, Heavy Duty	1
16	707250	HINGE, Tailgate, LH	1
17	208623	BAR, Safety Tethers	1
18	707251	HINGE, Tailgate, RH	1
19	700191	BRACKET, Crossover	2
20	702964	CHANNEL, Cross	1
21	700021	CHANNEL, Tailgate Cross	1
22	700012	FISH HOOK, RH	1
	700002	FISH HOOK, LH	1
23	15251	HANDLE, Grab	4
24	700083	BOTTOM, Hopper	1
	SR-9047	PIPE, Drain	2
25	700019	EDGE, Loading	1
26	700013	EXTENSION, Track Channel, RH	1
	700007	EXTENSION, Track Channel, LH	1
27	306424	BRACKET, Combo Light and Switch	2
	700625	BRACKET, Accessory Switch (Not Shown)	1
28	700014	CHANNEL, Horizontal, RH	1
	700011	CHANNEL, Horizontal, LH	1
29	700010	CHANNEL, Hopper Side	6
30	700256	ANGLE, Tailgate Side, LH	1
	700257	ANGLE, Tailgate Side, RH	1
31	200783	BRACE, Clamp	2
32	700006	TUBE, Lower Seal	2
33	701475	CHANNEL, Lift Pin, LH	1
	701716	CHANNEL, Lift Pin, RH	1
34	701477	PIVOT, Tailgate Lift Cylinder	2
35	700043	PLATE, Lift Pin	2
36	700050	TUBE, Upper	2
37	400394	CHANNEL, Track, RH	1
	400395	CHANNEL, Track, LH	1
38	200722	GUARD, Cylinder Spill	2
39	300501	PARTITION, Center	1
40	204106	BAR, Track	4

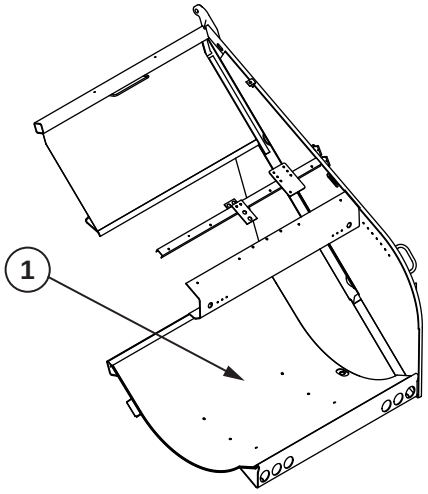
TAILGATE WELDMENT - Demolition



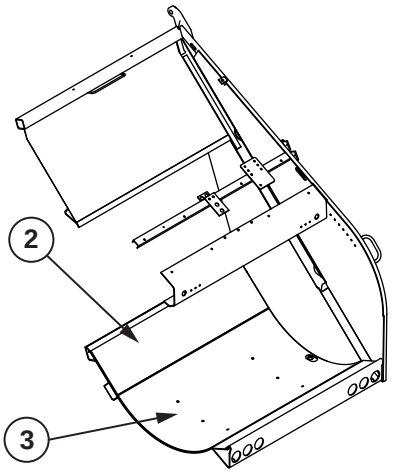
TAILGATE WELDMENT - Demolition

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	700063	BRACE, Carrier Cylinder Mount	2
2	700005	SLOT COVER	4
3	603597	HUB, Outer, 3” Long	2
4	204947	HUB	2
5	204945	HUB, Inner	2
6	306006	TUBE, Hinge	1
7	700051	COVER	2
8	700017	ANGLE, Hopper Bottom	1
9	700022	CHANNEL, Hopper Cross	1
10	700004	SIDE SHEET, Lower	2
11	700003	SIDE SHEET, Upper	2
12	209784	BRACKET, Bearing Block	2
13	209932	GUARD, Tailgate Controls	1
14	107824	PAD, Bearing Block	2
15	700064	WIPER, Heavy Duty	1
16	707250	HINGE, Tailgate, LH	1
17	208623	BAR, Safety Tethers	1
18	707251	HINGE, Tailgate, RH	1
19	700191	BRACKET, Crossover	2
20	702964	CHANNEL, Cross	1
21	700021	CHANNEL, Tailgate Cross	1
22	700012	FISH HOOK, RH	1
	700002	FISH HOOK, LH	1
23	15251	HANDLE, Grab	4
24	700083	BOTTOM, Hopper	1
	SR-9047	PIPE, Drain	2
25	700019	EDGE, Loading	1
26	700013	EXTENSION, Track Channel, RH	1
	700007	EXTENSION, Track Channel, LH	1
27	306424	BRACKET, Combo Light and Switch	2
	700625	BRACKET, Accessory Switch (Not Shown)	1
28	700014	CHANNEL, Horizontal, RH	1
	700011	CHANNEL, Horizontal, LH	1
29	700010	CHANNEL, Hopper Side	6
30	700256	ANGLE, Tailgate Side, LH	1
	700257	ANGLE, Tailgate Side, RH	1
31	200783	BRACE, Clamp	2
32	700006	TUBE, Lower Seal	2
33	701475	CHANNEL, Lift Pin, LH	1
	701716	CHANNEL, Lift Pin, RH	1
34	701477	PIVOT, Tailgate Lift Cylinder	2
35	700043	PLATE, Lift Pin	2
36	700050	TUBE, Upper	2
37	400394	CHANNEL, Track, RH	1
	400395	CHANNEL, Track, LH	1
38	200722	GUARD, Cylinder Spill	2
39	300501	PARTITION, Center	1
40	204106	BAR, Track	4

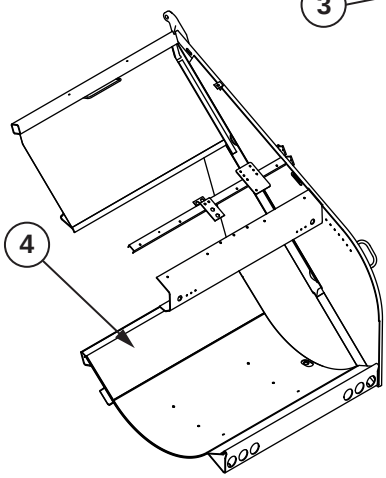
TAILGATE HOPPER LINERS (Optional)



ONE PIECE



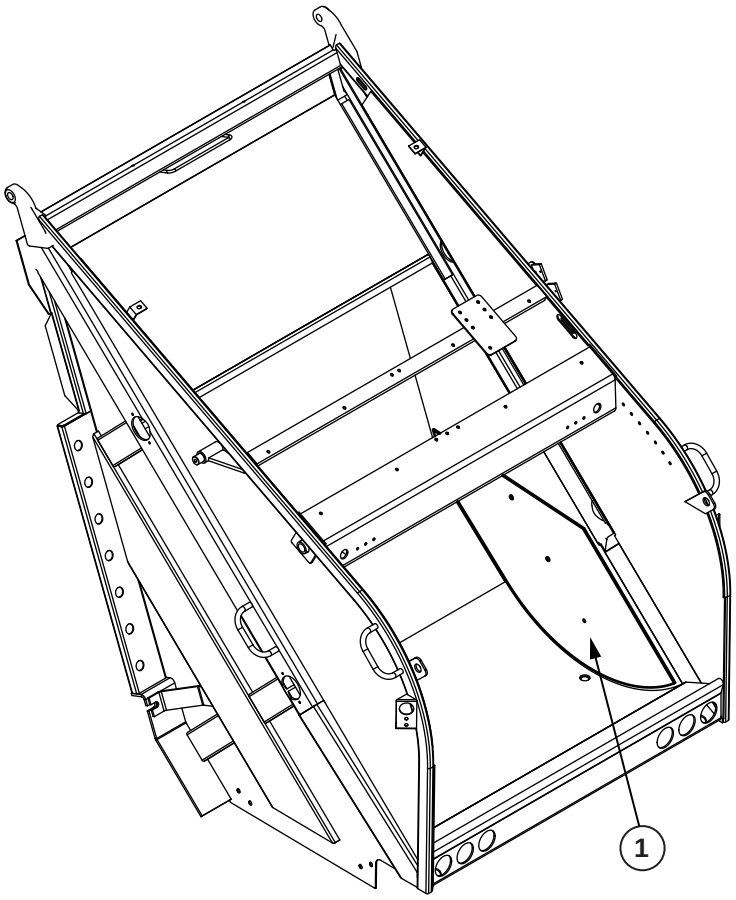
TWO PIECE



ONE PIECE (UPPER ONLY)

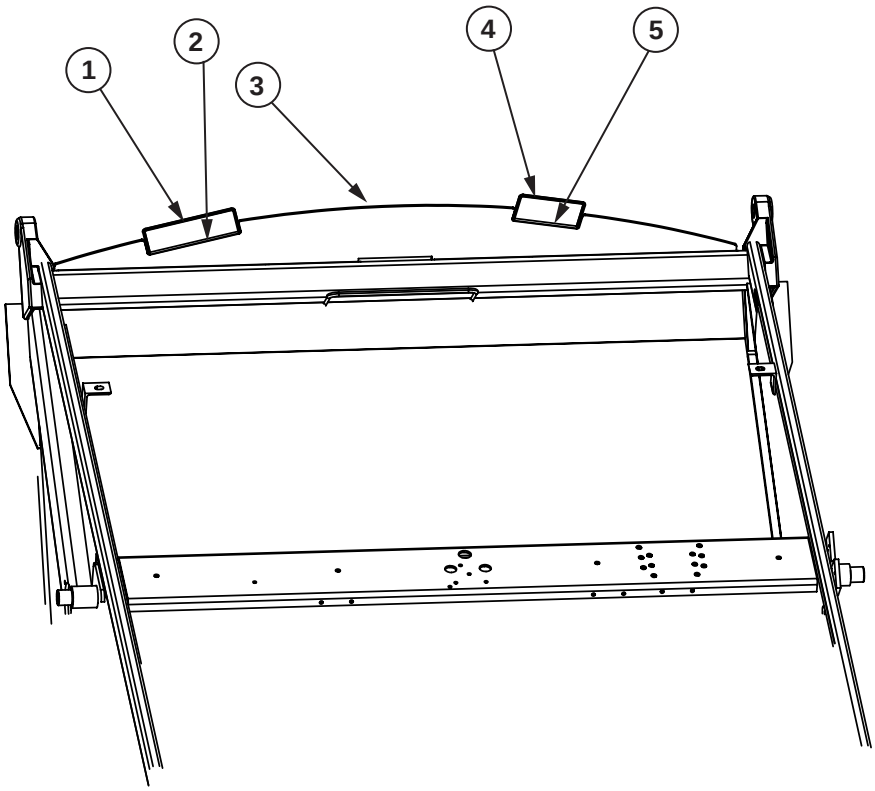
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	700512	LINER, Hopper, 1/4” (One Piece)	1
2	700499	LINER, Hopper, 1/4” (Two Piece)	1
3	700498	LINER, Hopper, 1/4” (Two Piece)	1
4	700499	LINER, Hopper, 1/4" (One Piece, Upper Only)	1

TAILGATE HOPPER SIDE LINERS (Optional)



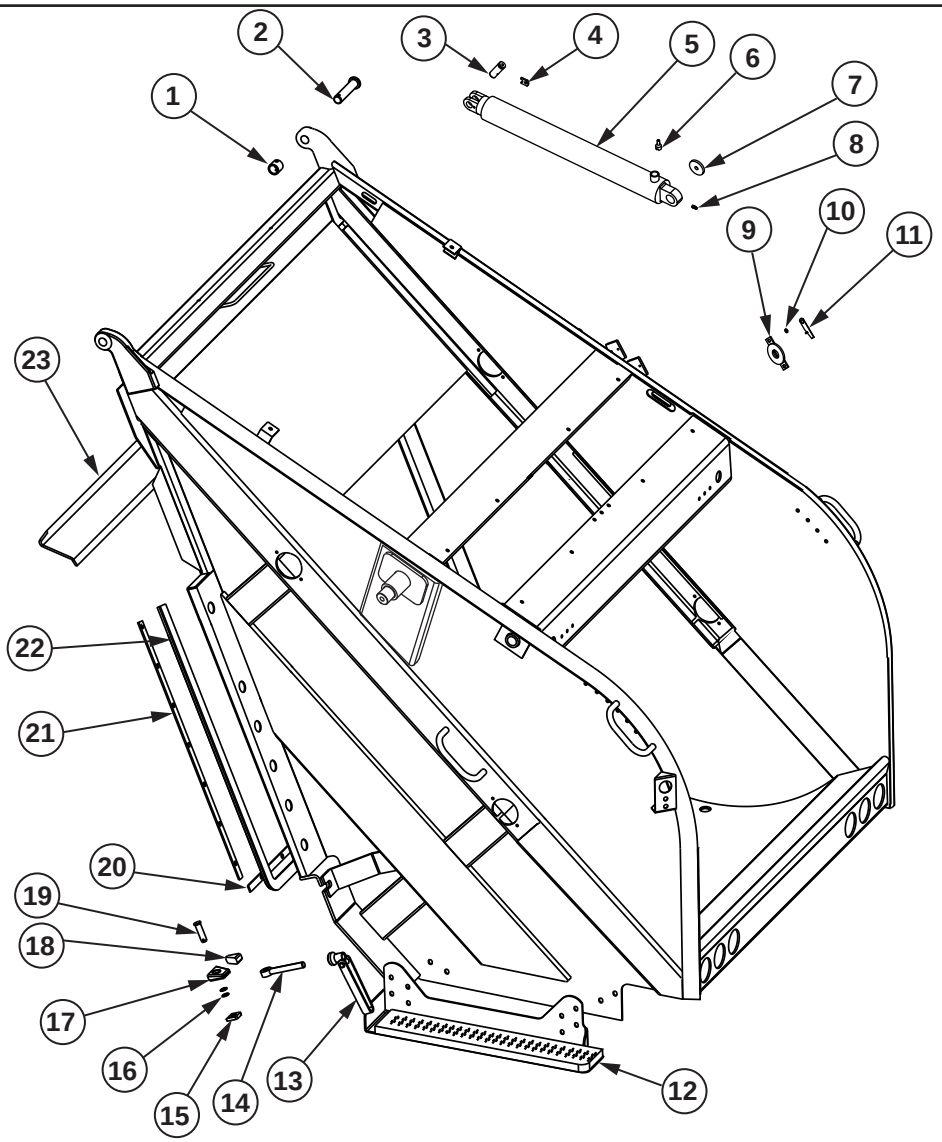
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	700497	LINER, Hopper Side, 1/4”	2

TAILGATE MATERIAL DEFLECTOR - 710550



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	711127	GUARD, Upper, LH	1
2	711126	GUARD, Lower, LH	1
3	710505	ASSEMBLY, Deflector	1
4	711103	GUARD, Upper, RH	1
5	711121	GUARD, Lower, RH	1
	972127	KIT, Material Deflector (Includes Above Items)	1

TAILGATE ASSEMBLY - 708859

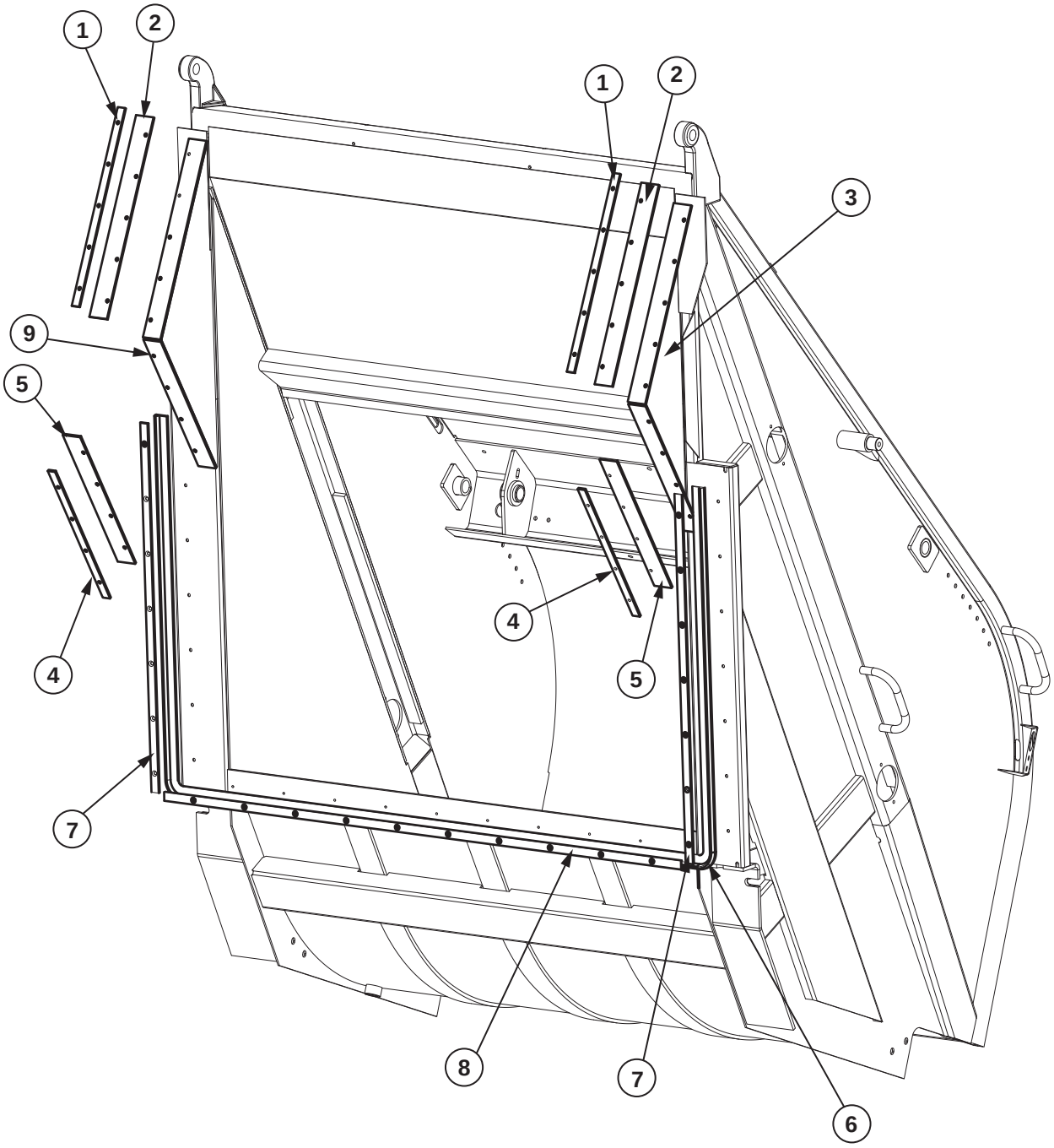


REF. NO.	PART NO.	DESCRIPTION	QTY.
1	201124	RETAINER	2
	977-7	WASHER	AR
	F1076	CAPSCREW, 1/2” X 2 3/4” UNC	2
	F3325	NUT, Elastic Stop, 1/2” UNC	2
2	203553	PIN, Hinge	2
3	PO-420	PIN, Tailgate Lift Cylinder, Rod End	2
4	PO-421	RETAINER, Pin	2
	F0277	CAPSCREW, 3/8” X 1” UNC	2
	F7875	WASHER, Lock, 3/8”	2
5	701479	CYLINDER, Tailgate Lift	2
6	701845	PIN, Restriction	2
	704956	CONNECTOR	2
7	31937	RETAINER	2
	F1300	CAPSCREW, 5/8” X 1” UNC	2
	F8051	WASHER, Lock, 5/8”	2

TAILGATE ASSEMBLY - 708859

REF. NO.	PART NO.	DESCRIPTION	QTY.
8	16170	GREASE ZERK	2
9	201735	WELDMENT, Track Hole Cover	4
	F0850	CAPSCREW, 1/2” X 3/4” UNC	8
	F7975	WASHER, Lock, 1/2”	8
10	35784	SPACER	4
11	200312	COVER, Grease Hole, RH	2
	200313	COVER, Grease Hole, LH	2
12	700215	STEP, Standard, RH	1
	700216	STEP, Standard, LH	1
	700482	STEP, ANSI Max, RH	1
	700483	STEP, ANSI Max, LH	1
	700550	STEP, Standard for Tag Axle, RH	1
	700551	STEP, Standard for Tag Axle, LH	1
	702366	STEP, ANSI Max for Tag Axle, RH	1
	702369	STEP, ANSI Max for Tag Axle, LH	1
	F1380	CAPSCREW, 5/8” X 1 3/4” UNC	8
	F1480	CAPSCREW, 5/8” X 2 1/2” UNC (For Tag Axle ANSI Max)	8
	F7425	WASHER, Flat, 5/8”	16
	F3510	NUT, Wiz, 5/8” UNC	8
13	708638	ASSEMBLY, Tailgate Barrel Clamp	2
	708631	WASHER, Hardened	2
14	703219	BOLT, Clamp	2
	703218	BOLT, Clamp, For Tag Axle	2
15	708864	PIVOT, Clamp	2
16	F7600	WASHER, 1” SAE	6
17	706728	GUIDE, Body, RH	1
	706729	GUIDE, Body, LH	1
18	PO-1504	GUIDE, Tailgate	2
19	PO-1501	PIN, Clevis, Tailgate Clamp	2
	F6875	PIN, Cotter, 1/4” X 1 3/4”	2
	F7600	WASHER, 1” SAE	2
20	700078	BAR, Cross, Tailgate Seal	1
	400102	BAR, Cross, Tailgate Seal (Tag Axle)	1
	F5675	CAPSCREW, 3/8” X 1” UNC	10
	F5800	CAPSCREW, 3/8” X 1 1/4” UNC	10
	F7875	WASHER, Lock, 3/8”	10
	F2975	NUT, 3/8” UNC	10
21	700076	BAR, Side, Tailgate Seal	2
	700572	BAR, Side, Tailgate Seal (Tag Axle)	2
	F5800	CAPSCREW, 3/8” X 1 1/4” UNC	14
	F7875	WASHER, Lock, 3/8”	14
	F2975	NUT, 3/8” UNC	14
22	601554	SEAL, Tailgate	16’ 6”
23	700064	WIPER, Heavy Duty	1

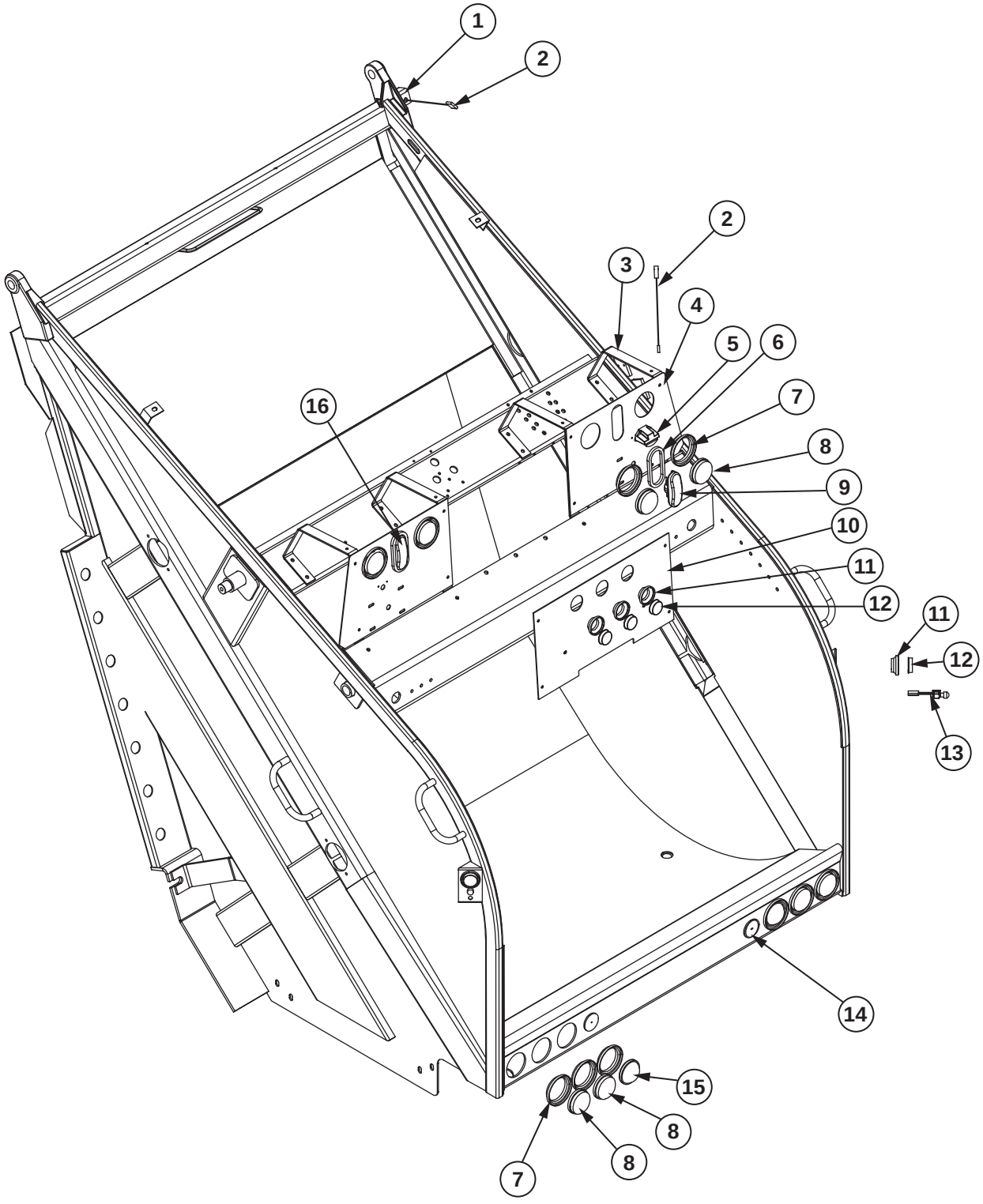
FULL TAILGATE SEAL - 709095



FULL TAILGATE SEAL - 709095

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	709115	BAR, Extended Tailgate Seal, Long	2
	F5850	CAPSCREW, Flat Socket head, 3/8” X 1 1/2” UNC	10
	F7875	WASHER, Lock, 3/8”	10
	F2975	NUT, 3/8” UNC	10
2	709123	STRIP, Rubber, Extended Tailgate Seal, Long	2
3	709127	WELDMENT, Extended Tailgate Seal, LH	1
4	709110	BAR, Extended Tailgate Seal, Short	2
	F5850	CAPSCREW, Flat Socket head, 3/8” X 1 1/2” UNC	8
	F7875	WASHER, Lock, 3/8”	8
	F2975	NUT, 3/8” UNC	8
5	709121	STRIP, Rubber, Extended Tailgate Seal, Short	2
6	601554	SEAL, Tailgate	16’ 6”
7	700076	BAR, Side, Tailgate Seal	2
	F5800	CAPSCREW, Flat Socket Head, 3/8” X 1 1/4” UNC	14
	F7875	WASHER, Lock, 3/8”	14
	F2975	NUT, 3/8” UNC	14
8	700078	BAR, Cross, Tailgate Seal	1
	F5675	CAPSCREW, Flat Socket Head, 3/8” X 1” UNC	10
	F7875	WASHER, Lock, 3/8”	10
	F2975	NUT, 3/8” UNC	10
9	709125	WELDMENT, Extended Tailgate Seal, RH	1

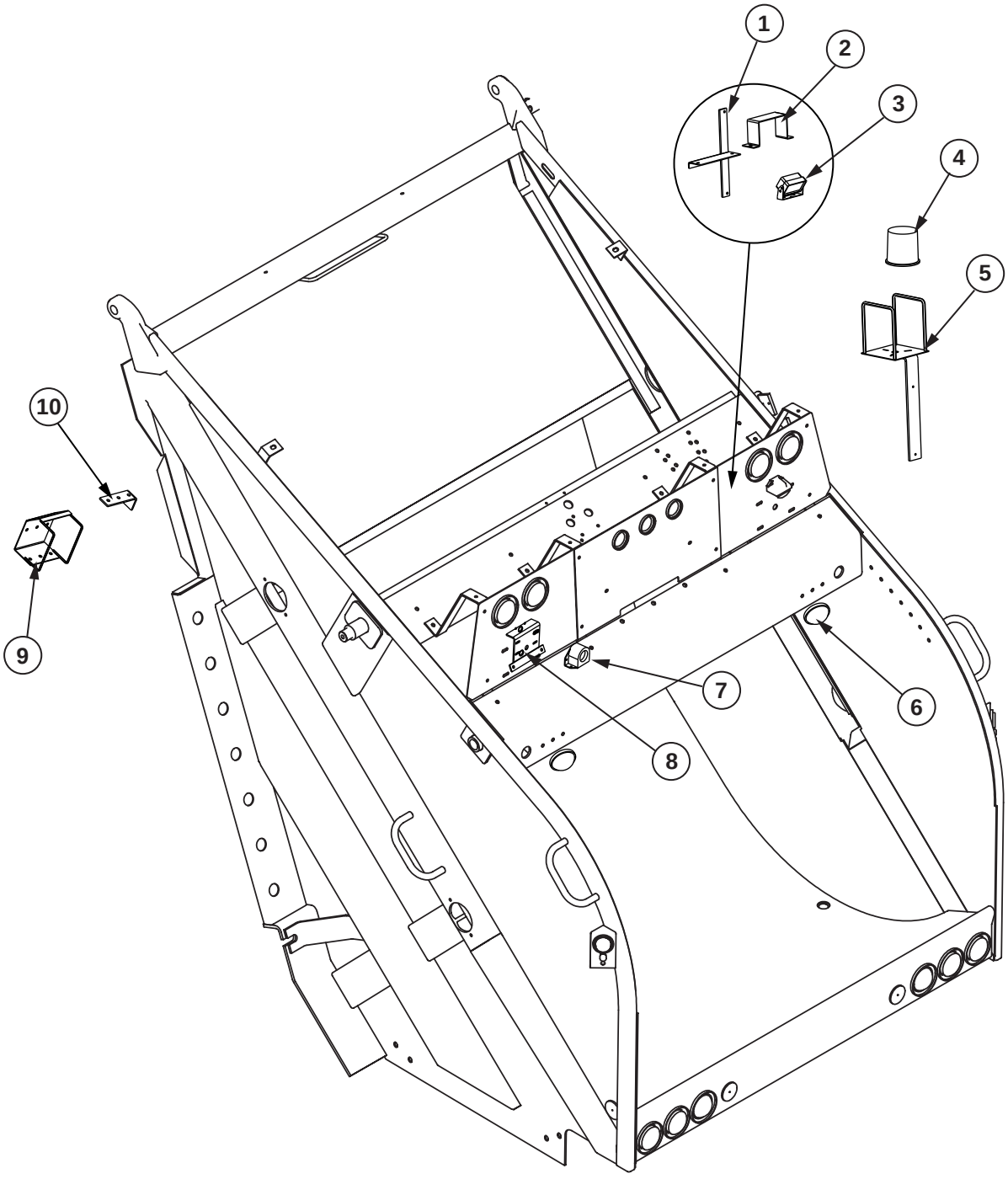
TAILGATE LIGHTING



TAILGATE LIGHTING

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	707195	BRACKET, Tailgate Ajar Switch	1
2	704092	SWITCH, Proximity	2
3	700065	BRACKET, Light Panel Support	4
	F0980	CAPSCREW, 1/2” X 1 1/2” UNC	8
	F7350	WASHER, Flat, 1/2”	8
	F3325	NUT, Elastic Stop, 1/2” UNC	8
4	700068	PANEL, Light, For 4” Lights (Standard)	2
	700065	PANEL, Light, For 4” Lights and Oval Strobes (Optional)	2
	F0190	CAPSCREW, 5/16” X 1 1/2” UNC	8
	F7200	WASHER, Flat, 5/16”	8
	F2892	NUT, Nylock, 5/16”	8
5	107687	LAMP, License Plate	1
	107837	BRACKET, License Plate Lamp	1
	F0007	CAPSCREW, 10-24 X 1/2”	2
	F7725	WASHER, Lock, #10	2
	F2700	NUT, Wiz Lock, 10-24	2
6	701152	GROMMET, For Oval Strobe	2
7	40620	GROMMET, 4”	10
8	107663	LAMP, Amber, 4”	4
	109165	LAMP, Amber, 4”, LED	4
	605938	ADAPTER, For Amber LED Lights	4
	107791	LAMP, Red, 4”	4
	109164	LAMP, Red, 4”, LED	4
	605937	ADAPTER, For Red LED Lights	4
9	701150	LIGHT, Oval Strobe (Optional)	1
10	700067	PANEL, Light, Center	1
11	104977	GROMMET, 2 1/2”	5
12	40624	LAMP, Marker, Red, 2 1/2”	5
	109166	LAMP, Marker, Red, LED, 2 1/2”	5
	605936	ADAPTER, For LED Marker Lights	5
13	707306	PUSH BUTTON	AR
14	16136	REFLECTOR, Red	2
	16133	RIVET, Pop	2
15	107790	LAMP, Back-Up	2
	606191	LAMP, Back-Up, LED	2
16	704176	LIGHT, Oval Strobe (Optional)	1

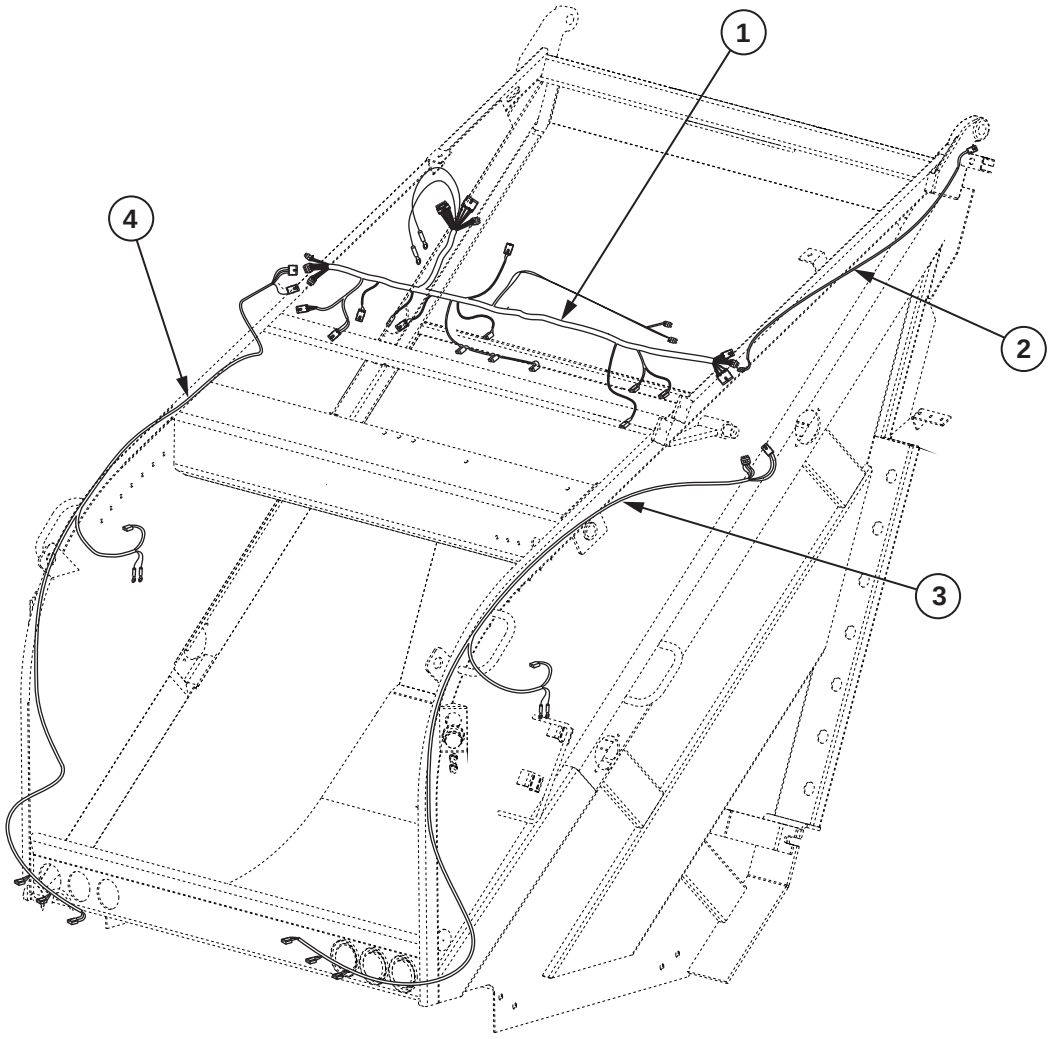
TAILGATE ALARM and OPTIONAL LIGHTING



TAILGATE ALARM and OPTIONAL LIGHTING

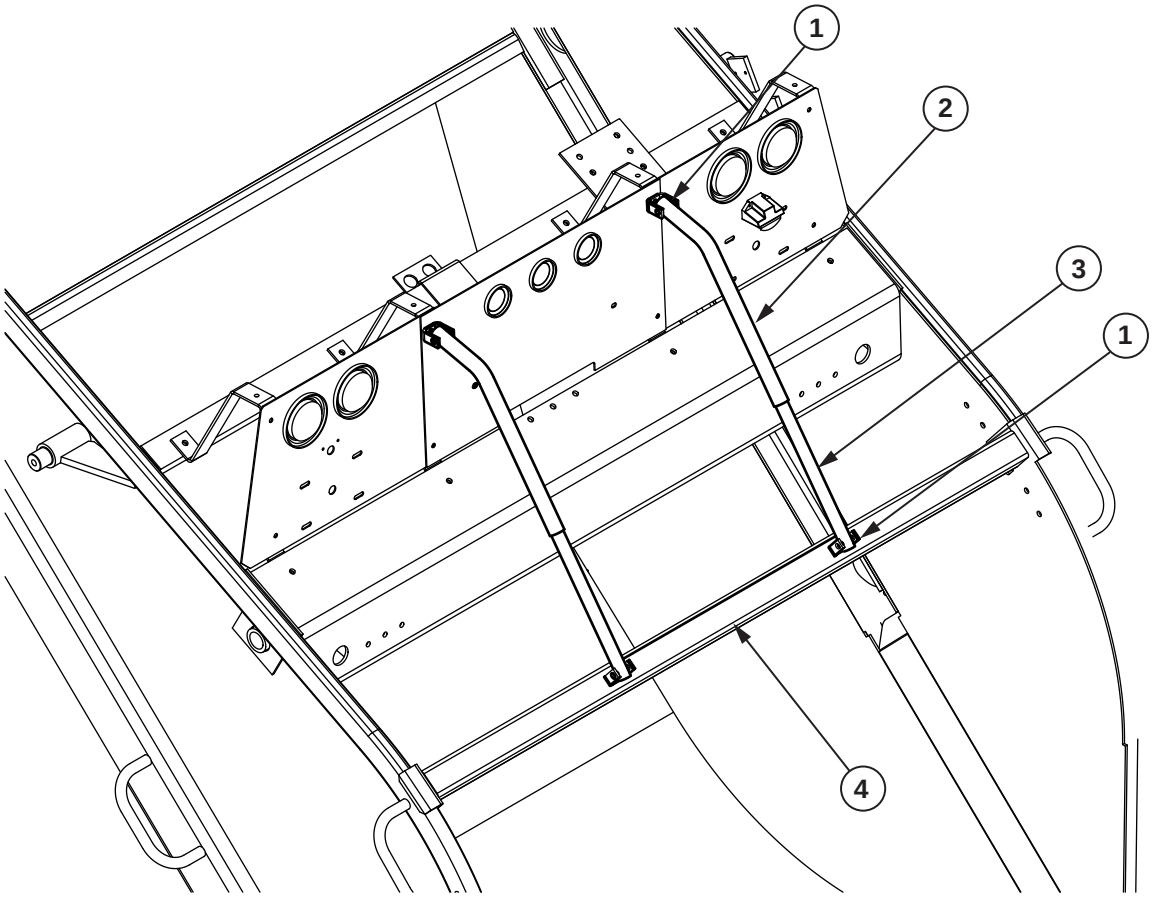
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	700364	WELDMENT, Camera Mount	1
2	700361	GUARD, Camera	1
3	701325	CAMERA, Intec SIN	1
	605704	CAMERA, Intec L-1N	1
	605814	CAMERA, Intec L-2N	1
	601917	CAMERA, Intec L-1S	1
	604601	CAMERA, Sentinal RV72	1
	208889	CAMERA, Clarion, CK8504BC	1
4	38759	LIGHT, Beacon (Federal 121-A)	1
	605653	LIGHT, Strobe, Clear (Preco 3614C)	1
	106915	LIGHT, Strobe, Amber (Preco 3614A)	1
	707171	LIGHT, Strobe, Yellow (Grote 77063)	1
	708935	LIGHT, Revolving Amber (Peterson 754A)	1
5	700231	WELDMENT, Bracket, Beacon or Strobe	AR
	108068	SPACER (Not Shown)	AR
	F0205	CAPSCREW, 5/16” X 1 3/4” UNC	AR
6	107790	LAMP, Hopper	AR
	700395	BRACKET, Hopper Light	AR
	40620	GROMMET, 4”	AR
	F0400	CAPSCREW, 3/8” X 1 3/4” UNC	AR
	F3010	NUT, Whiz, 3/8” UNC	AR
7	107550	ALARM, Reverse Warning	1
	107307	ALARM, Reverse Warning, Dual Rate	1
	F0022	CAPSCREW, 1/4” X 3/4” UNC	2
	F7075	WASHER, Flat, 1/4”	2
	F2775	NUT, Nylock, 1/4” UNC	2
8	700044	BRACKET, Reverse Warning Alarm	1
	F0325	CAPSCREW, 3/8” X 1 1/4” UNC	2
	F7250	WASHER, Flat, 3/8”	2
	F3075	NUT, Nylock, 3/8” UNC	2
9	602921	WELDMENT, Work Light Bracket	AR
	40746	LAMP, Work Light (Not Shown)	AR
	209490	LAMP, Work Light, Halogen (Not Shown)	AR
10	700280	BRACKET, Work Lamp	AR
	701307	BRACKET, Work Lamp, For Halogen Light, LH	1
	701310	BRACKET, Work Lamp, For Halogen Light, RH	1
	F0775	CAPSCREW, 7/16” X 1 1/4” UNC	4
	F3215	NUT, Nylock, 7/16” UNC	4

TAILGATE WIRING



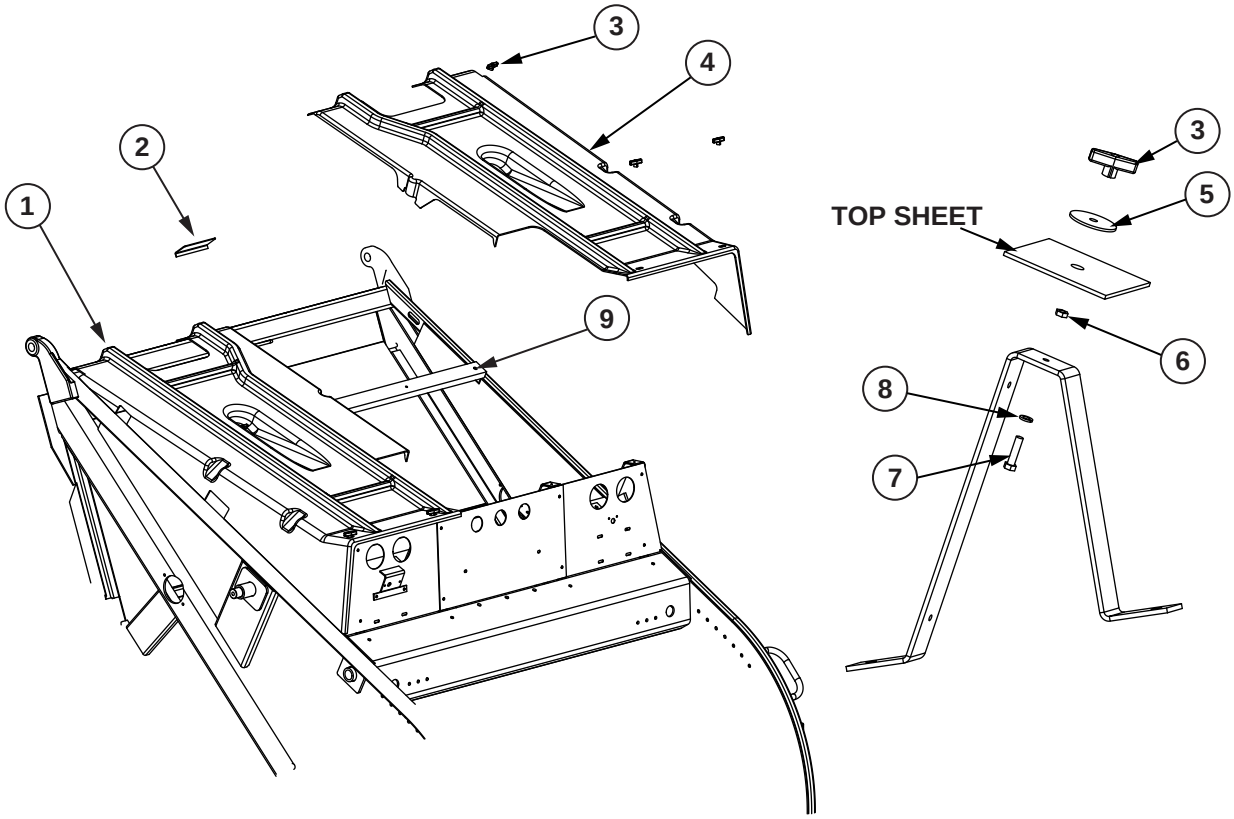
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	707234	HARNESS, Light Panel	1
2	707239	HARNESS, Tailgate Ajar	1
3	605620	HARNESS, Fish Hook, RH	1
4	605619	HARNESS, Fish Hook, LH	1

LIGHT GUARDS AND CONTAINER STOP BAR



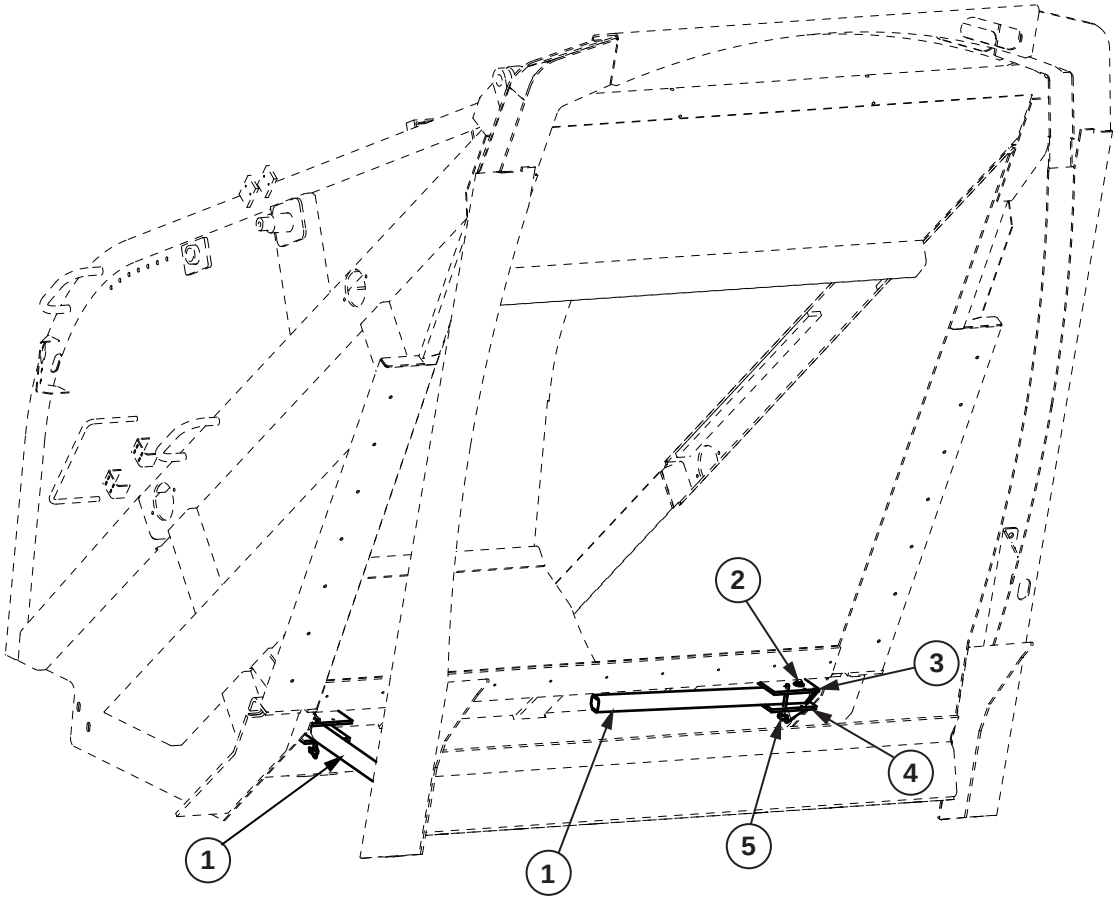
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	700770	BRACKET, Light Guard	4
	F1101	CAPSCREW, 1/2” X 3” UNC	4
	F7350	WASHER, Flat, 1/2”	8
	F3325	NUT, Elastic Stop, 1/2” UNC	4
2	700769	TUBE, Light Guard, 1 1/2”	2
3	700768	TUBE, Light Guard, 1 1/4”	2
4	700135	WELDMENT, Container Stop Bar	1
	F0979	CAPSCREW, 1/2" X 1 1/2" UNC	4
	F3325	NUT, Elastic Stop, 1/2" UNC	4
	F7375	WASHER, Flat, 1/2"	8

TOP SHEETS



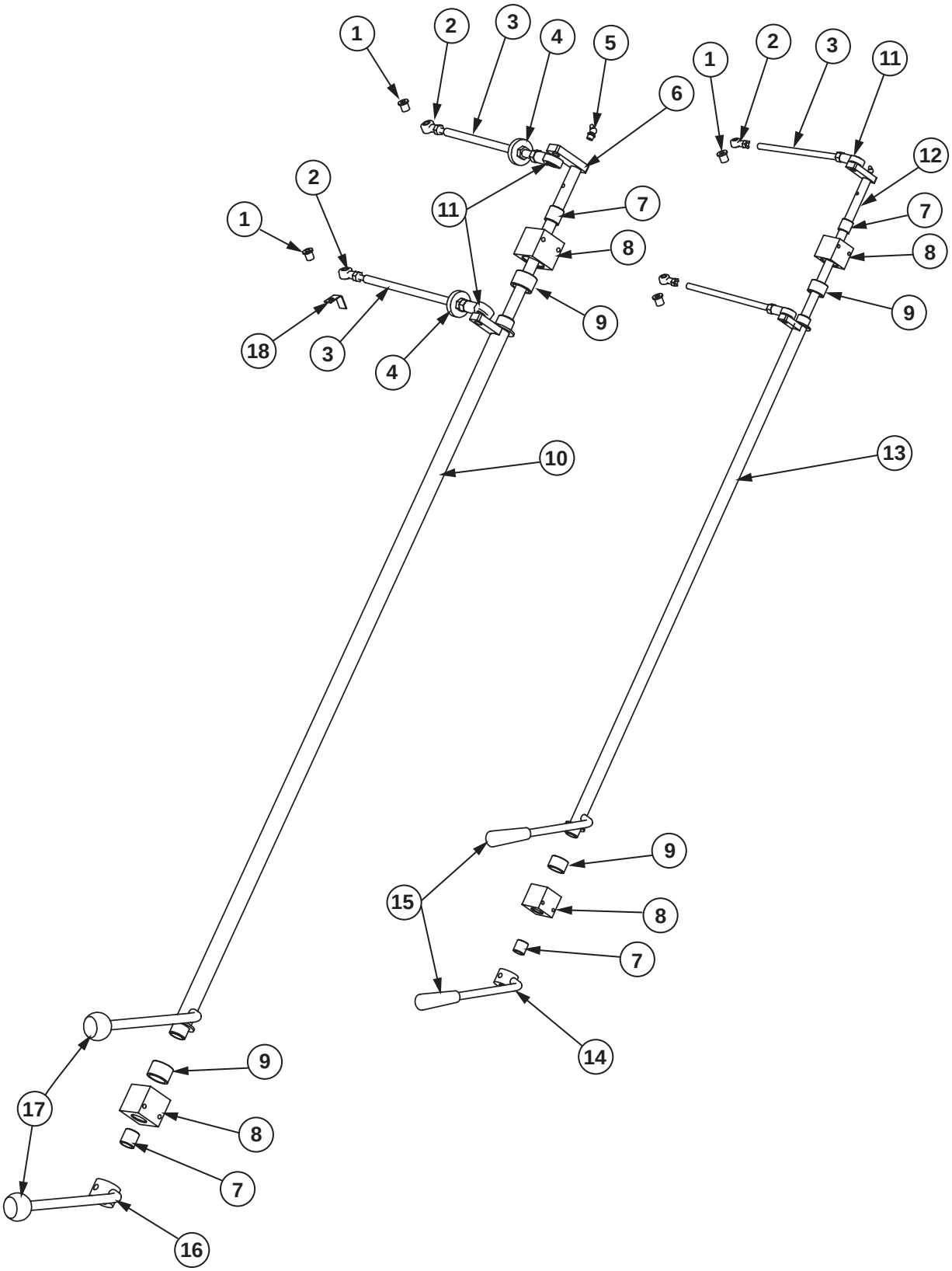
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	700508	COVER, Top, LH	1
	700193	COVER, Top, With Winch Cutout, LH	1
2	700584	ANGLE, Top Cover	1
3	700426	KNOB, Top Cover	6
4	700507	COVER, Top, RH	1
	700192	COVER, Top, With Winch Cutout, RH	1
5	F7285	WASHER, 3/8” ID X 2 1/2” OD	6
6	F3025	NUT, Jam, 3/8” UNC	6
7	F0385	CAPSCREW, 3/8” X 1 1/2” UNC	6
8	F7875	WASHER, Lock, 3/8”	6
9	700190	CHANNEL, Crossover	1

TAILGATE PROPS - Standard - 708197



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	708205	PROP, Tailgate	2
2	708204	BUSHING, Prop	2
	F1160	CAPSCREW, 1/2” X 3 1/2” UNC	2
	F7350	WASHER, Flat, 1/2”	2
	F3300	NUT, Elastic Stop, 1/2” UNC	2
3	708202	PLATE, Upper	2
4	708203	PLATE, Lower	2
5	708988	PIN, Hitch	2
	708500	LANYARD, 8”	2

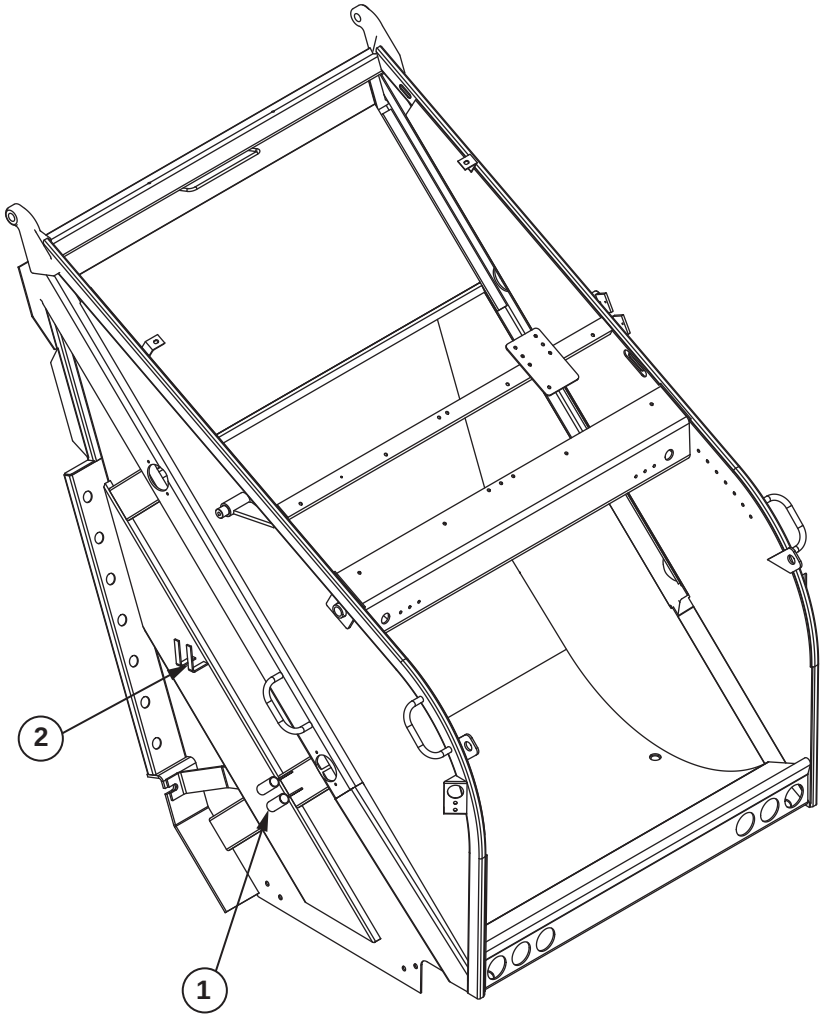
REAR CONTROLS



REAR CONTROLS

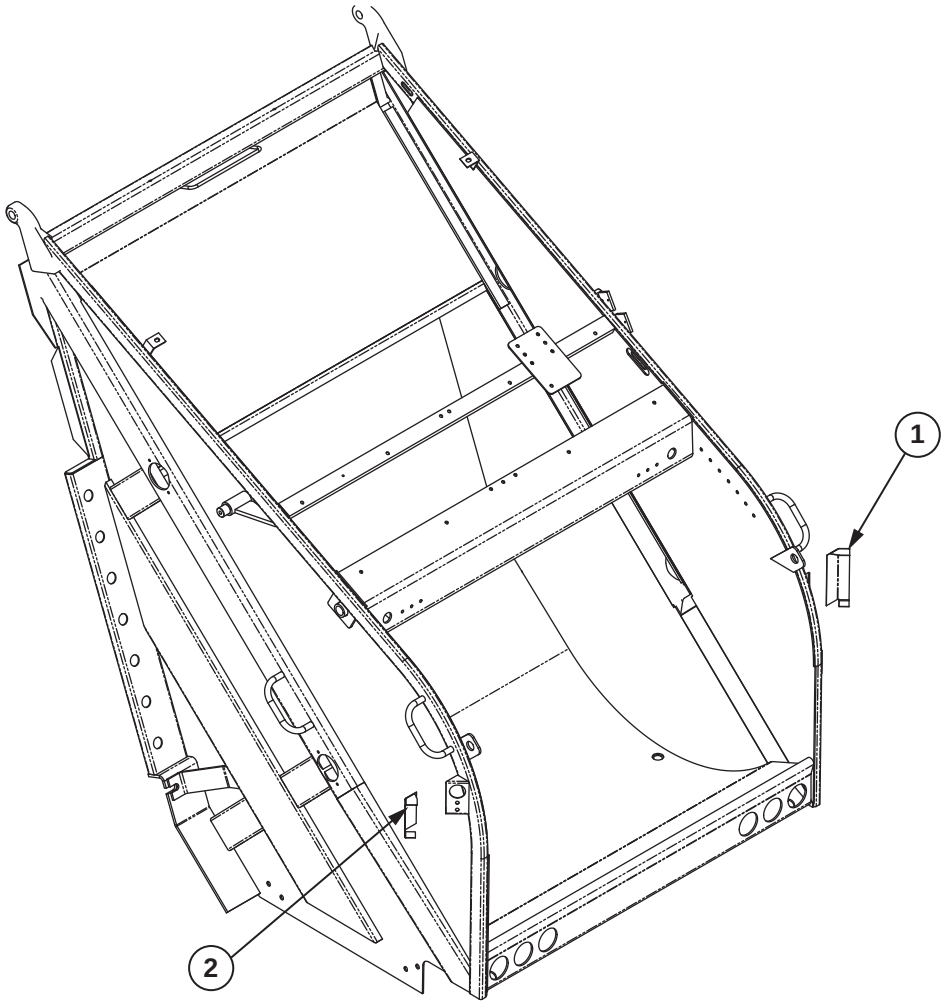
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	704008	BEARING, Flange Sleeve	4
2	700060	ROD END, Female Swivel	4
	F0190	CAPSCREW, 5/16” X 1 1/2” UNC	4
	F2892	NUT, Nylock, 5/16” UNC	4
3	700059	ROD, Control	4
4	703116	DISC, Control Stop	2
	F3275	NUT, Jam, 1/2” UNC	4
5	16172	GREASE ZERK	2
6	700055	WELDMENT, Control Rod	1
7	41160	BUSHING, 1” OD X .78” ID	4
8	41162	BLOCK, Bearing	4
	F0061	CAPSCREW, 1/4” X 2 3/4” UNC	8
	F2775	NUT, Nylock, 1/4” UNC	4
	F7075	WASHER, Flat, 1/4”	4
	F7750	WASHER, Lock, 1/4”	4
9	41159	BUSHING, 1 1/2” OD X 1.16 ID	4
10	700053	WELDMENT, Tube	1
11	102291	ROD END, Spherical Female	4
	F1045	CAPSCREW, 1/2” X 2” UNC	4
	F3300	NUT, Elastic Stop, 1/2” UNC	4
12	700092	WELDMENT, Control Rod	1
13	700090	WELDMENT, Tube	1
14	700057	WELDMENT, Lever	1
	F0510	CAPSCREW, 3/8” X 2 1/4” UNC	1
	F3075	NUT, Elastic Stop, 3/8” UNC	1
15	108287	KNOB	2
16	700057	WELDMENT, Lever	1
	F0510	CAPSCREW, 3/8” X 2 1/4” UNC	1
	F3075	NUT, Elastic Stop, 3/8” UNC	1
17	108229	KNOB	2
18	703296	BRACKET, For Speed-Up Prox Switch	1

BROOM AND SHOVEL HOLDER - 700410



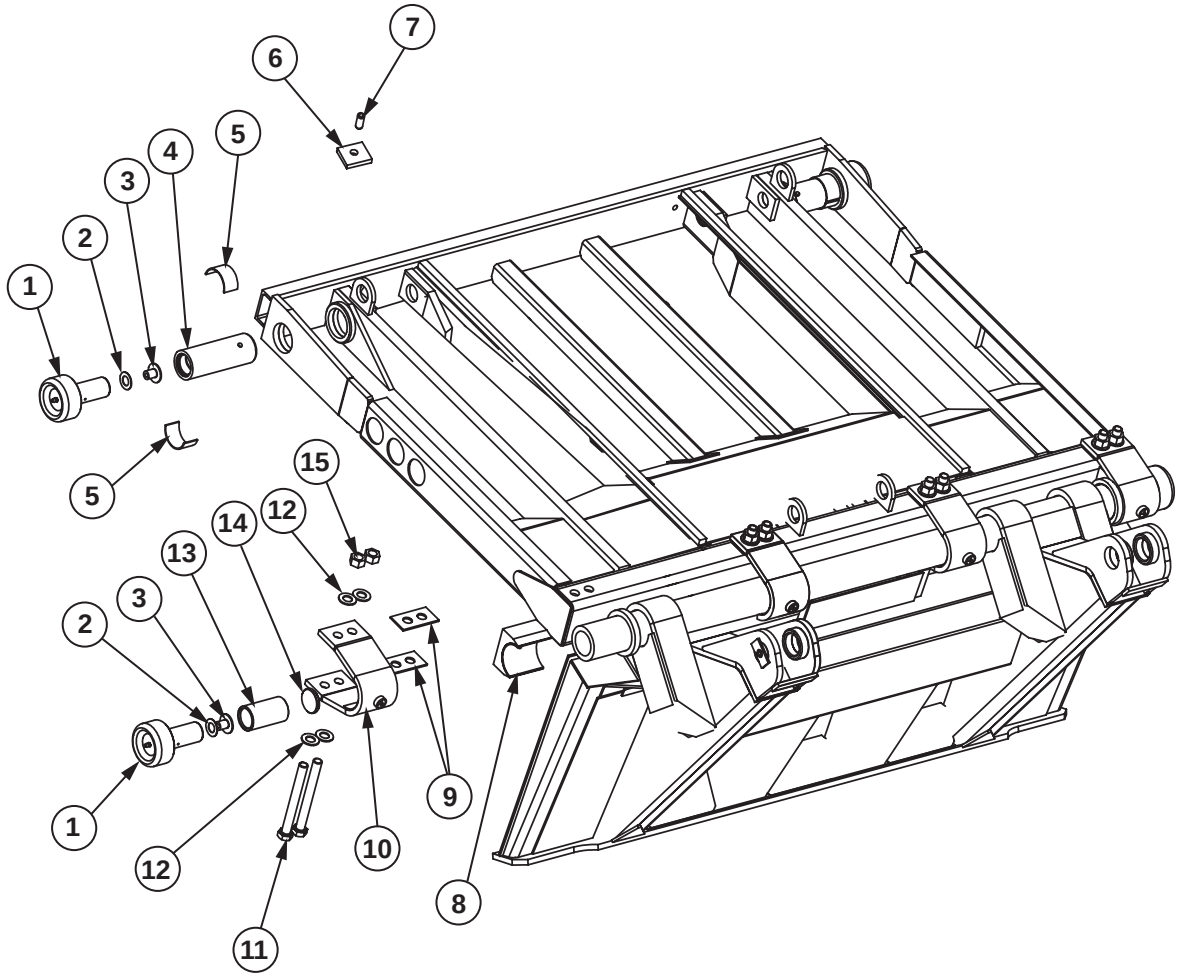
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	30173	WELDMENT, Broom Holder	4
2	SR-7353	STRAP, Broom	4

COMBINATION LIGHT COVERS - 700676



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	700670	GUARD, Combination Light, RH	1
	F0013	SCREW, Self Tapping, 10-32 X 3/4”	4
2	700669	GUARD, Combination Light, LH	1
	F0013	SCREW, Self Tapping, 10-32 X 3/4”	4

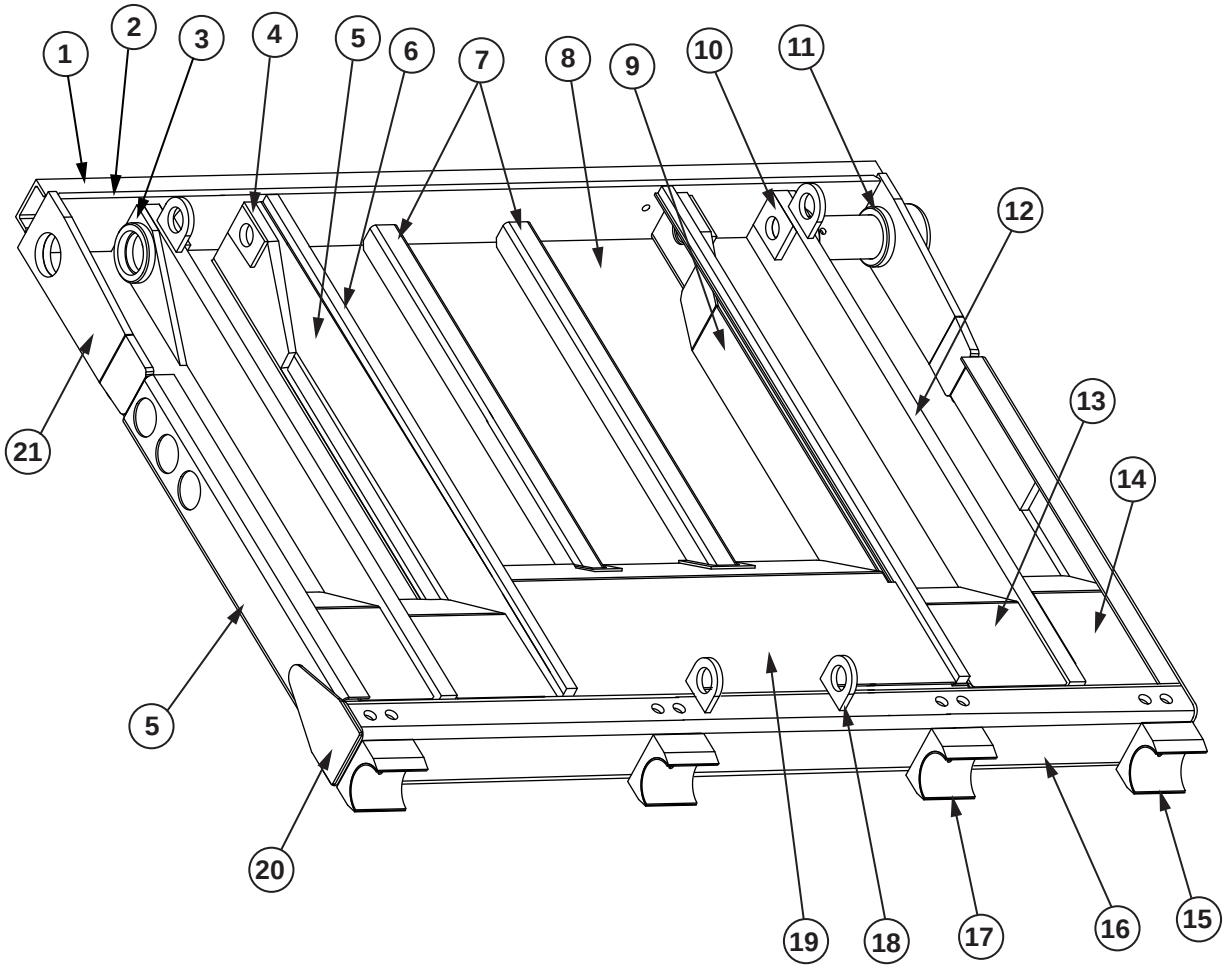
CARRIER AND PACKER INSTALLATION - 701292



CARRIER AND PACKER INSTALLATION - 701292

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	301899	ROLLER	4
2	SK-1817	WASHER	AR
3	2R-1799	SPACER	4
4	203062	ASSEMBLY, Carrier Cylinder Pivot (Includes 2R-1796 Sleeve and 2R-1797 Thrust Disc)	2
	2R-1796	SLEEVE (Not Shown)	2
	2R-1797	DISC (Not Shown)	2
5	2R-1224	SLEEVE, Split	4
	16231	CLAMP	2
6	203066	PLATE, Retainer (Welded to Carrier at Assembly)	2
7	102577	ROLL PIN	2
8	210127	WELDMENT, Bearing Block (Includes 305748 Insert)	2
	305748	INSERT, Bearing (Must be Welded In, Ref. Service Bulletin 9503)	2
9	41816-1	SHIM	8
10	405527	WELDMENT, Bearing Housing	4
	305748	INSERT, Bearing (Must be Welded In, Ref. Service Bulletin 9503)	4
11	101244	BOLT, 1” X 9 1/2” UNC	8
12	41876	WASHER, Flat, 1”	16
13	2R-2041	SLEEVE, Bearing	2
14	2R-2042	DISC, Thrust	2
15	F3860	NUT, 1” UNC GR. 8	8

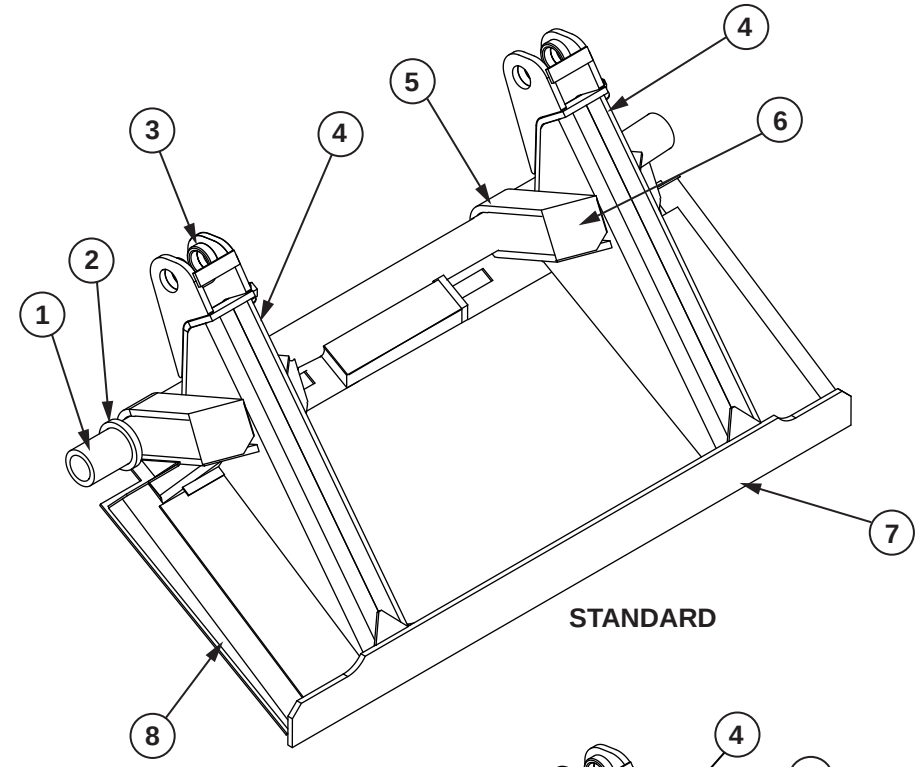
CARRIER PANEL



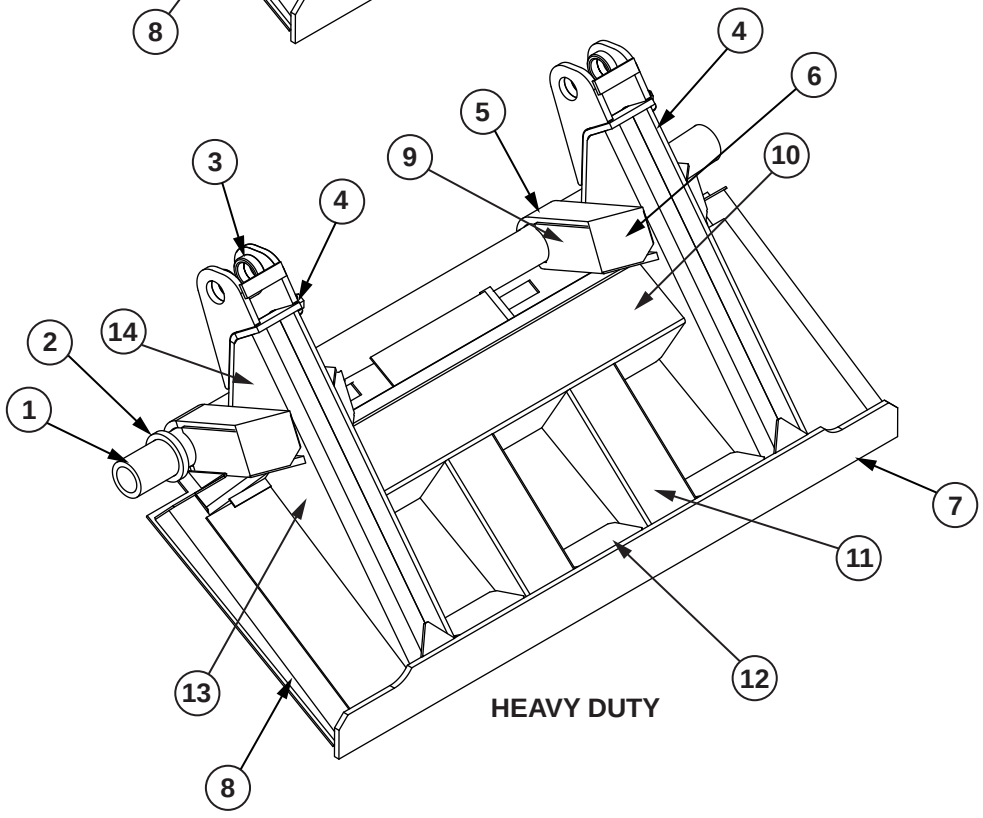
CARRIER PANEL

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	210918	CHANNEL (Heavy Duty and Extra Heavy Duty Carrier Panels Only)	1
2	2R-2198	BAR, Top	1
3	306829	WELDMENT, Hub, LH	1
	306828	WELDMENT, Hub, RH	1
4	204973	WELDMENT, Hub Support, LH	1
	204972	WELDMENT, Hub Support, RH	1
5	41399	BOX, Outside, LH	1
	41398	BOX, Outside, RH	1
6	41411	BAR, Stiffener	2
7	41410	CHANNEL, Stiffener	2
8	41400	PLATE, Center	1
9	41030	BRACE, Center	2
10	210943	WELDMENT, Hub Support, LH (Standard and Heavy Duty)	1
	601779	WELDMENT. Hub Support, LH (Extra Heavy Duty)	1
	210942	WELDMENT, Hub Support, RH (Standard and Heavy Duty)	1
	601778	WELDMENT, Hub Support, RH (Extra Heavy Duty)	1
11	210667	HUB, Outer Bearing	2
12	41027	CHANNEL, LH	1
	41026	CHANNEL, RH	1
13	205079	COVER, LH (Standard and Heavy Duty)	1
	601791	COVER, LH (Extra Heavy Duty)	1
	205080	COVER, RH (Standard and Heavy Duty)	1
	601790	COVER, RH (Extra Heavy Duty)	1
14	205081	COVER, Outer, LH	1
	205082	COVER, Outer, RH	1
15	210127	BLOCK Bearing	2
	305748	INSERT, Bearing (Must Be Welded In, Ref. Service Bulletin 9503)	2
16	304204	TUBE, Bottom	1
17	211201	BLOCK, Bearing (For Full Center Bearing Option)	2
	305748	INSERT, Bearing (Must Be Welded In, Ref. Service Bulletin 9503)	2
		NOTE: Center Bearing Blocks Are NOT Included With Any Assemblies Listed Below. Blocks Need To Be Ordered To Add To Assemblies.	
18	605886	LIFTING EYE	4
19	205078	COVER, Center	1
20	41402	PLATE, End	2
21	306831	WELDMENT, Bearing, LH	1
	306830	WELDMENT, Bearing, RH	1
	406802-01	WELDMENT, Carrier Panel (Standard)	1
	406802-02	WELDMENT, Carrier Panel (Heavy Duty)	1
	406802-03	WELDMENT, Carrier Panel (Extra Heavy Duty)	1
	400628-02	ASSEMBLY, Carrier (Includes Bearing Straps) (Standard)	1
	400628-03	ASSEMBLY, Carrier (Includes Bearing Straps, Rollers, Packer Cylinder Pivot Pins) (Heavy Duty)	1
	400628-06	ASSEMBLY, Carrier (Includes Bearing Straps, Packer Cylinder Pivot Pins) (Standard)	1
	400628-08	ASSEMBLY, Carrier (Includes Bearing Straps, Rollers, Packer Cylinder Pivot Pins) (Extra Heavy Duty)	1

PACKER PANEL



STANDARD

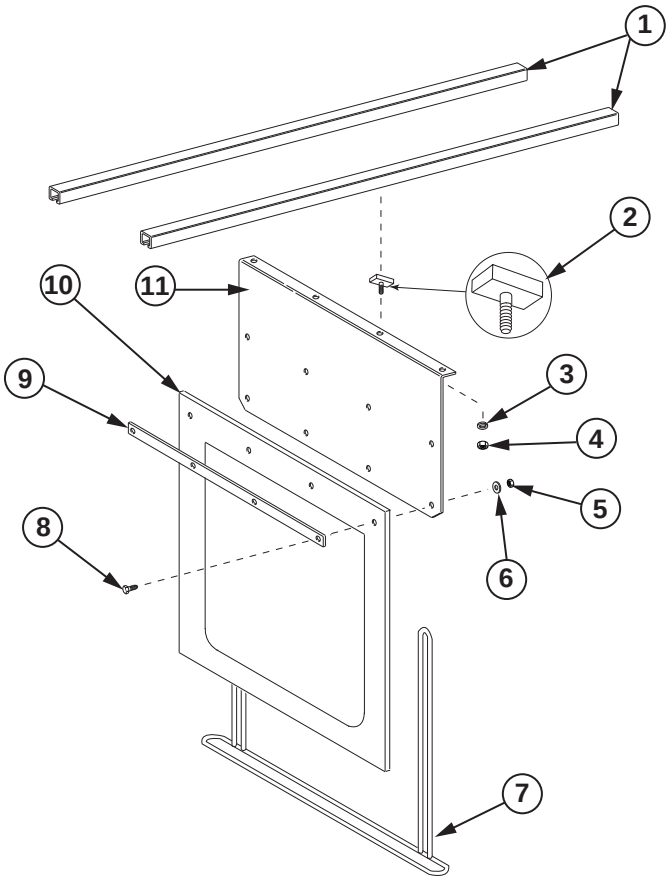


HEAVY DUTY

PACKER PANEL

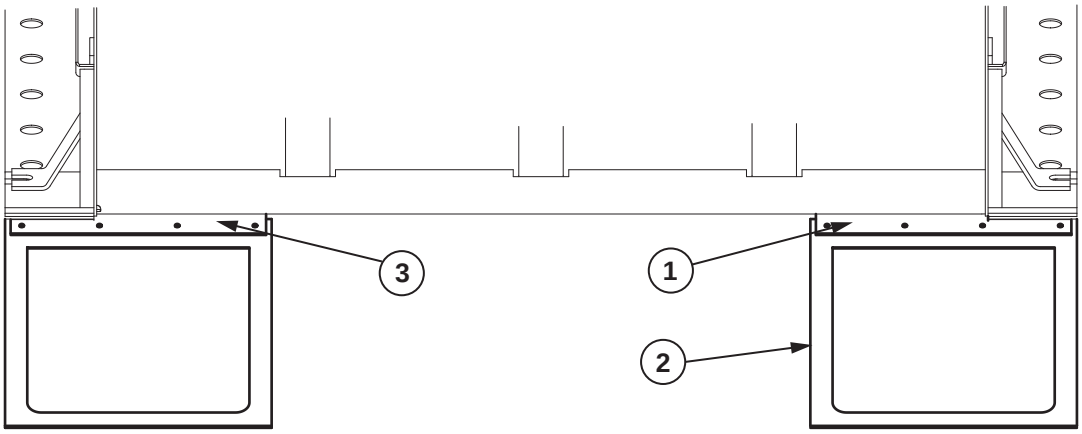
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	17231	WELDMENT, Torque Tube	1
2	2R-1082	FLANGE, Torque Tube	2
3	2R-2057	HUB	4
4	35666	WELDMENT, Socket (Tower)	2
5	605158	STRAP, Machined	4
6	605159	PLATE, Filler	4
7	211101	EDGE, Packer Panel	1
	210410	EDGE, Packer Panel (Tag Axle)	1
8	301445	CHANNEL, Outside (Standard and Heavy Duty)	2
	306703	CHANNEL, Outside, LH (Tag Axle)	1
	306704	CHANNEL, Outside, RH (Tag Axle)	1
	306701	BAR, Filler, LH (Tag Axle)	1
	306702	BAR, Filler, RH (Tag Axle)	1
9	605160	PLATE (Heavy Duty and Tag Axle)	4
10	404388	CHANNEL, Center (Heavy Duty and Tag Axle)	1
11	603961	CHANNEL (Heavy Duty and Tag Axle)	2
12	603958	PLATE, Cover (Heavy Duty and Tag Axle)	3
13	307224	DOUBLER, Front, RH (Extra Heavy Duty, Plated Towers)	1
	307223	DOUBLER, Front, LH (Extra Heavy Duty, Plated Towers)	1
14	210397	DOUBLER, Rear, LH (Extra Heavy Duty, Plated Towers)	2
	211014	DOUBLER, Rear, RH (Extra Heavy Duty, Plated Towers)	2
		NOTE: Assemblies Listed Below Include 2R-2041 Sleeve and 2R-2042 Disc in Torque Tube	
	400627-06	ASSEMBLY, Packer Panel (Standard)	1
	400627-04	ASSEMBLY, Packer Panel (Heavy Duty)	1
	400627-07	ASSEMBLY, Packer Panel (Tag Axle)	1
		NOTE: Assemblies Listed Below Include Sleeve, Disc, Rollers, Pins and Bushings for Packer Cylinder Rod End	
	400627-01	ASSEMBLY, Packer Panel (Standard)	1
	400627-02	ASSEMBLY, Packer Panel (Heavy Duty)	1
	400627-03	ASSEMBLY, Packer Panel (Tag Axle)	1
	400627-05	ASSEMBLY, Packer Panel (Extra Heavy Duty, Plated Towers)	1

MUD GUARD ASSEMBLY, In Front of Rear Axle



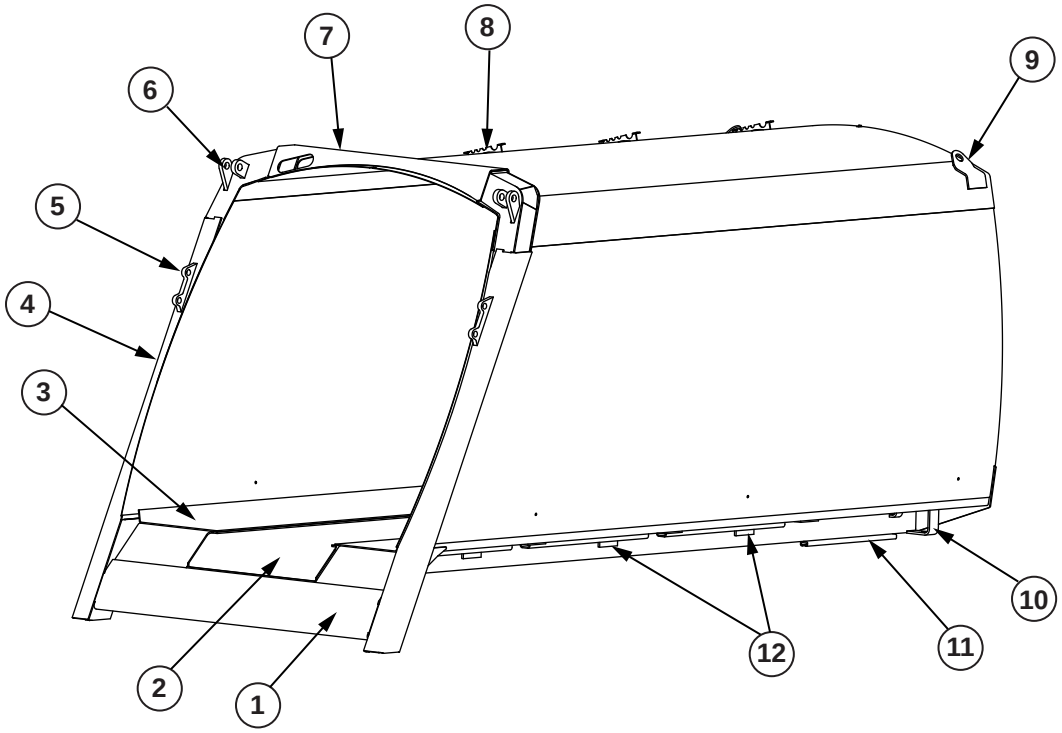
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	604840	RAIL, Strut, 17”	2
2	605702	T-BOLT	2
3	F7325	WASHER, Flat	2
4	F3190	NUT, Lock	2
5	F2975	NUT, Hex, 3/8” UNC	4
6	F7250	WASHER, Flat, 3/8”	4
7	602709	BRACKET, Anti-Sail	1
8	F0277	CAPSCREW, 3/8” X 1" UNC	4
9	P-16-419	STRAP, Reinforcement	1
10	209639	FLAP, Rubber, Black With LEACH Logo	2
	210154	FLAP, Rubber, Black, Plain	2
	209643	GUARD, Metal	2
11	604867	BRACKET, Mounting, Mud Flap	1

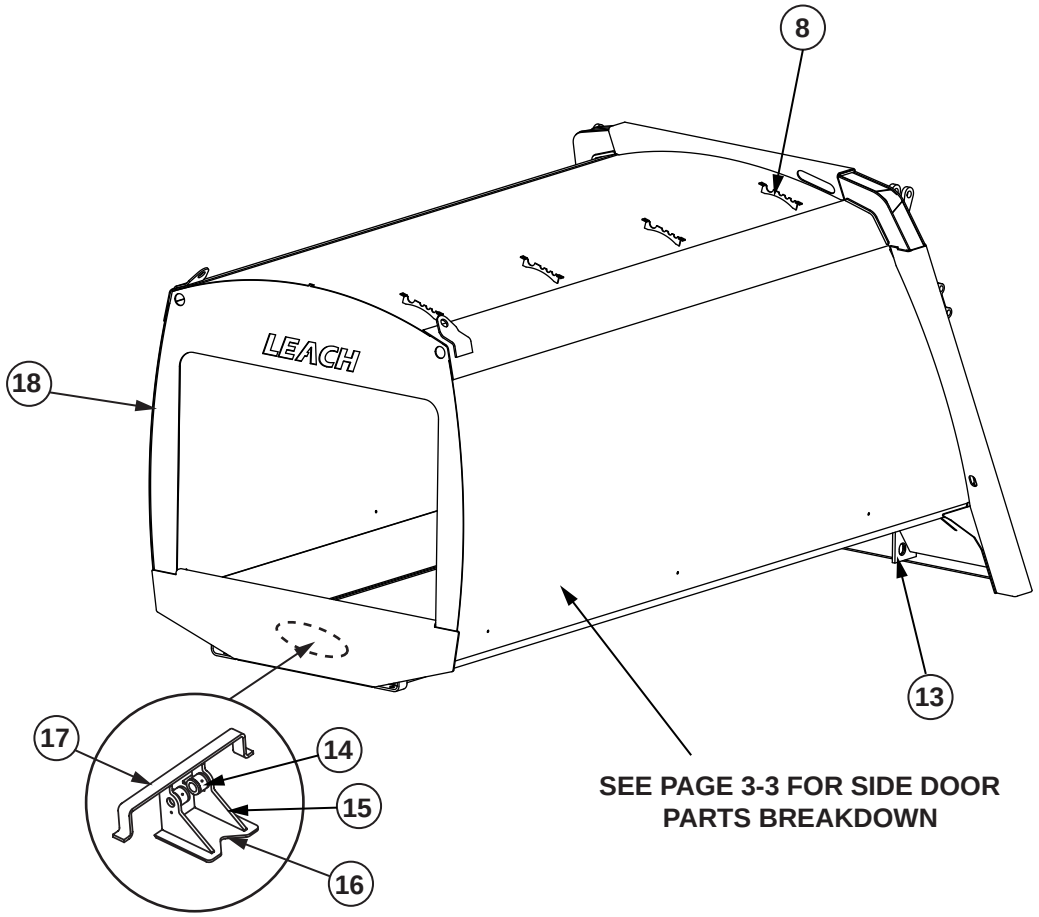
MUD GUARD ASSEMBLY, Behind Rear Axle



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	700544	BRACKET, Mud Flap, RH (Manual Tailgate Latch)	1
	210730	BRACKET, Mud Flap, RH (Auto Tailgate Latch)	1
2	P16-464	GUARD, Mud, Rubber (Manual Tailgate Latch)	2
	604110	GUARD, Mud, Rubber (Auto Tailgate Latch)	2
	602739	HANGER, Anti-Sail (Auto Tailgate Latch)	2
	202936	STRAP, Mud Flap (Manual Tailgate Latch)	2
	210729	STRAP, Mud Flap (Auto Tailgate Latch)	2
	F0325	CAPSCREW, 3/8” X 1 1/4” UNC (Manual Tailgate Latch)	8
	F0400	CAPSCREW, 3/8” X 1 3/4” UNC (Auto Tailgate Latch)	8
	F7875	WASHER, Lock, 3/8”	8
	F2975	NUT, 3/8” UNC	8
	F7240	WASHER, Fender (Auto Tailgate Latch)	4
3	700543	BRACKET, Mud Flap, LH (Manual Tailgate Latch)	1
	210731	BRACKET, Mud Flap, LH (Auto Tailgate Latch)	1

BODY WELDMENT



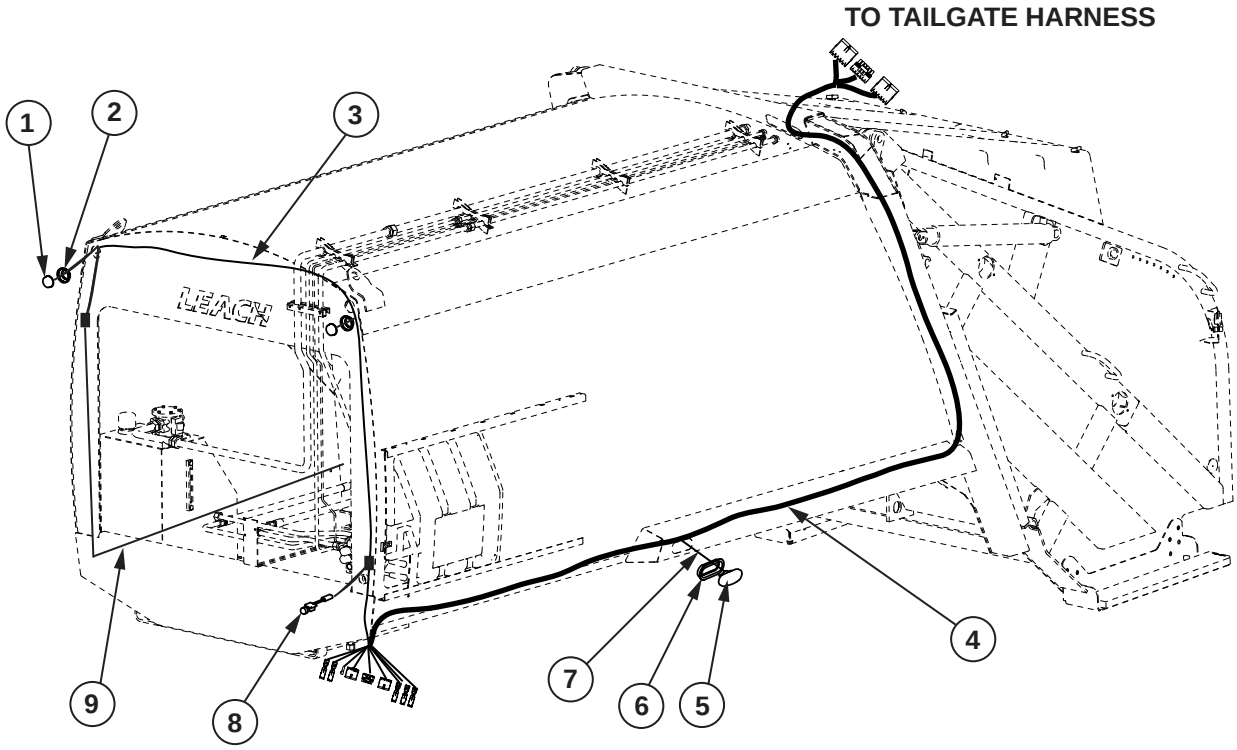


SEE PAGE 3-3 FOR SIDE DOOR
PARTS BREAKDOWN

BODY WELDMENT

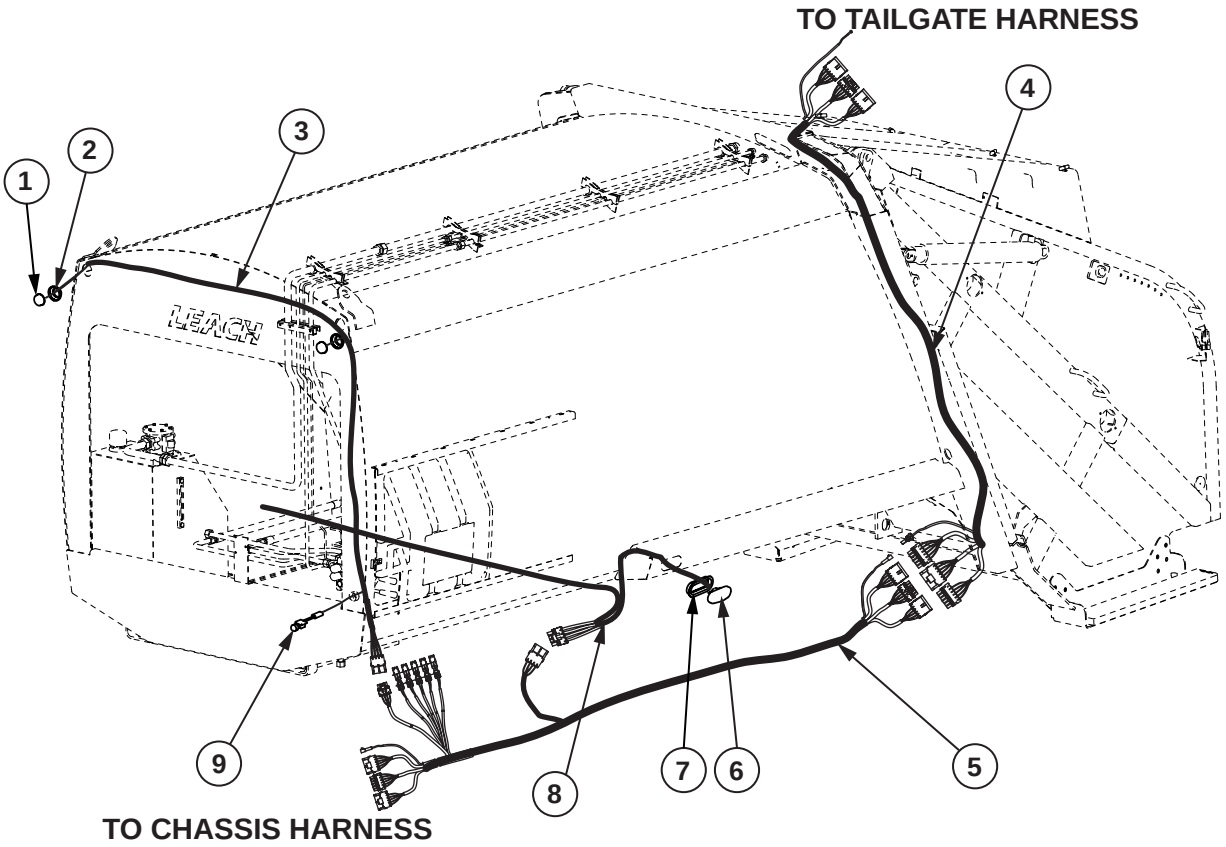
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	701581	APRON, Rear	1
2	708534-201	WELDMENT, Trough, 20 Yard	1
	708534-250	WELDMENT, Trough, 25 Yard	1
	708534-290	WELDMENT, Trough, 29 Yard	1
	708534-320	WELDMENT, Trough, 32 Yard	1
3	708535-201	SHEET, Floor, 20 Yard	2
	708535-250	SHEET, Floor, 25 Yard	2
	708535-290	SHEET, Floor, 29 Yard	2
	708535-320	SHEET, Floor, 32 Yard	2
4	705951	WELDMENT, Rear Frame	1
5	707364	SUPPORT, Cylinder Pivot	2
6	703488	WELDMENT, Hinge, RH	1
	703490	WELDMENT, Hinge, LH	1
7	702560	SUPPORT, Top, Rear Frame	1
8	708044	CLAMP, Body Tube	AR
9	704052	PLATE, Lift	2
10	706093	BRACKET, Front Stand	2
11	602416	CHANNEL, Front Body Mount	2
12	701571	STRAP, Trough	AR
13	701946	PLATE, Rear Body Mount	2
14	603455	SPACER	2
15	702049	PLATE	2
	702050	WELDMENT, Pillar, RH (Includes Items 14 and 15)	1
	702051	WELDMENT, Pillar, LH (Includes Items 14 and 15)	1
16	702052	PLATE, Base	1
17	702053	PLATE, Top Wing	1
	702054	WELDMENT, Cylinder Pivot (Includes Items 14 - 17)	1
18	708529	WELDMENT, Front Frame	1
	708528-201	WELDMENT, Body, 20 Yard	1
	708528-250	WELDMENT, Body, 25 Yard	1
	708528-290	WELDMENT, Body, 29 Yard	1
	708528-320	WELDMENT, Body, 32 Yard	1

BODY ELECTRICAL - UNITS WITH HARNESS IN BODY FLOOR CHANNELS



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	40623	LIGHT, Clearance, Amber	2
	601083	LIGHT, Clearance, Amber, LED	2
	605936	ADAPTER, For LED Light	2
2	104977	GROMMET	2
3	707231	HARNESS, Clearance Lights	1
4	707236	HARNESS, Body, 20 and 25 Yard (Includes Item 3)	1
	707237	HARNESS, Body, 29 and 32 Yard (Includes Item 3)	1
5	707717	LIGHT, Oval, Amber	2
	603893	LIGHT, Oval, Amber, LED	2
	605938	ADAPTER, For LED Light	2
	107535	LIGHT, Mid Body Turn	2
6	107537	GROMMET	2
7	707723	HARNESS, Side Marker, LH	1
	707232	HARNESS, LED Side Marker and Mid Body Turn,LH	1
8	707306	BUTTON, Momentary, Speed Up	1
9	707724	HARNESS, Side Marker, RH	1
	707233	HARNESS, LED Side Marker and Mid Body Turn, RH	1

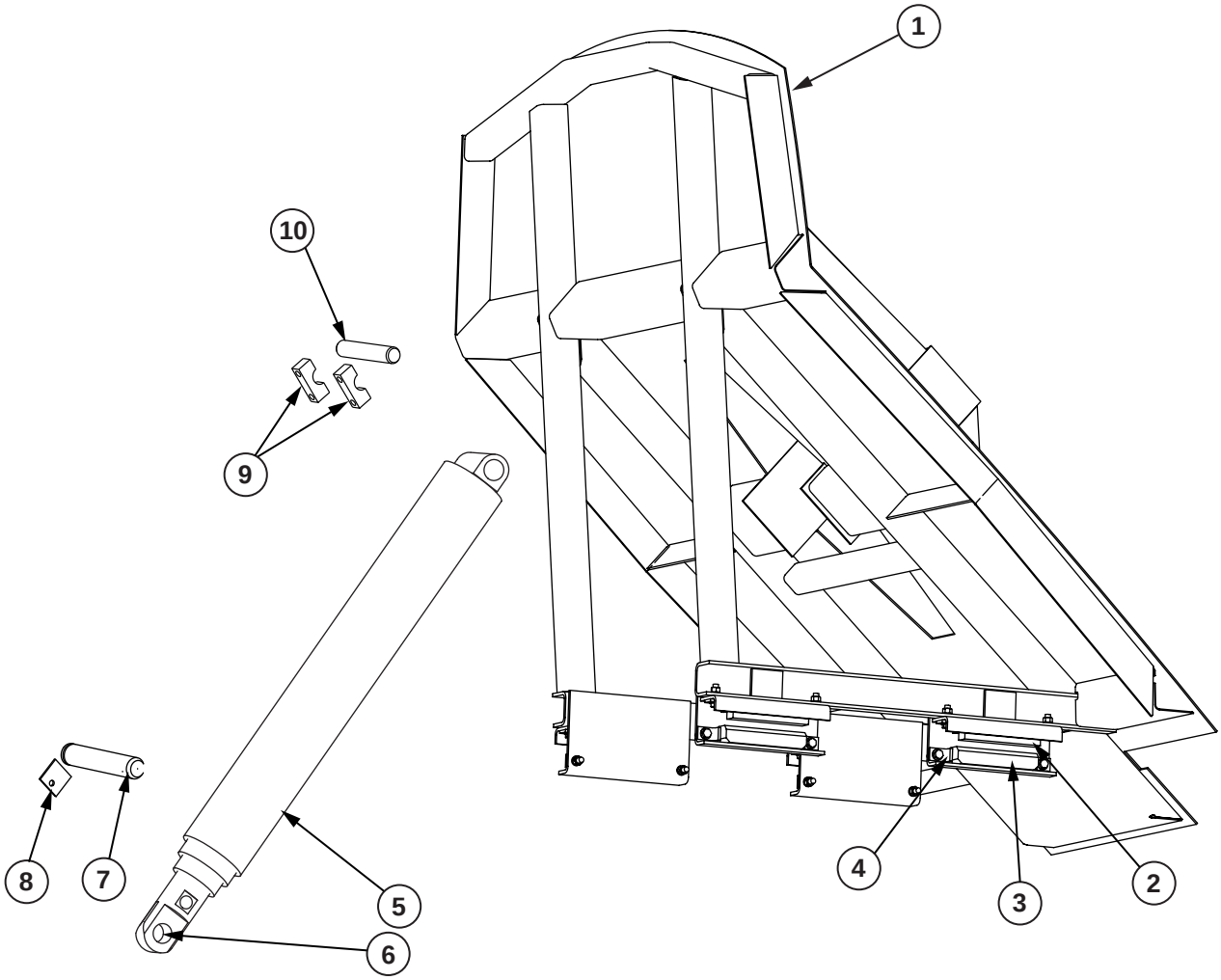
BODY ELECTRICAL - UNITS WITH HARNESS IN CHASSIS FRAME RAIL



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	40623	LIGHT, Clearance, Amber	2
	601083	LIGHT, Clearance, Amber, LED	2
	605936	ADAPTER, For LED Light	2
2	104977	GROMMET	2
3	710608	HARNESS, Front Panel	1
4	710438	HARNESS, Upper Body	1
5	710365	HARNESS, Lower Body, 20 and 25 Yard	1
	710366	HARNESS, Lower Body, 29 and 32 Yard	1
6	707717	LIGHT, Oval, Amber	2
	603893	LIGHT, Oval, Amber, LED	2
	605938	ADAPTER, For LED Light	2
	107535	LIGHT, Mid Body Turn	2
7	107537	GROMMET	2
8	710353	HARNESS, Mid Body Lights	1
9	707306	BUTTON, Momentary, Speed Up	1

SECTION 3

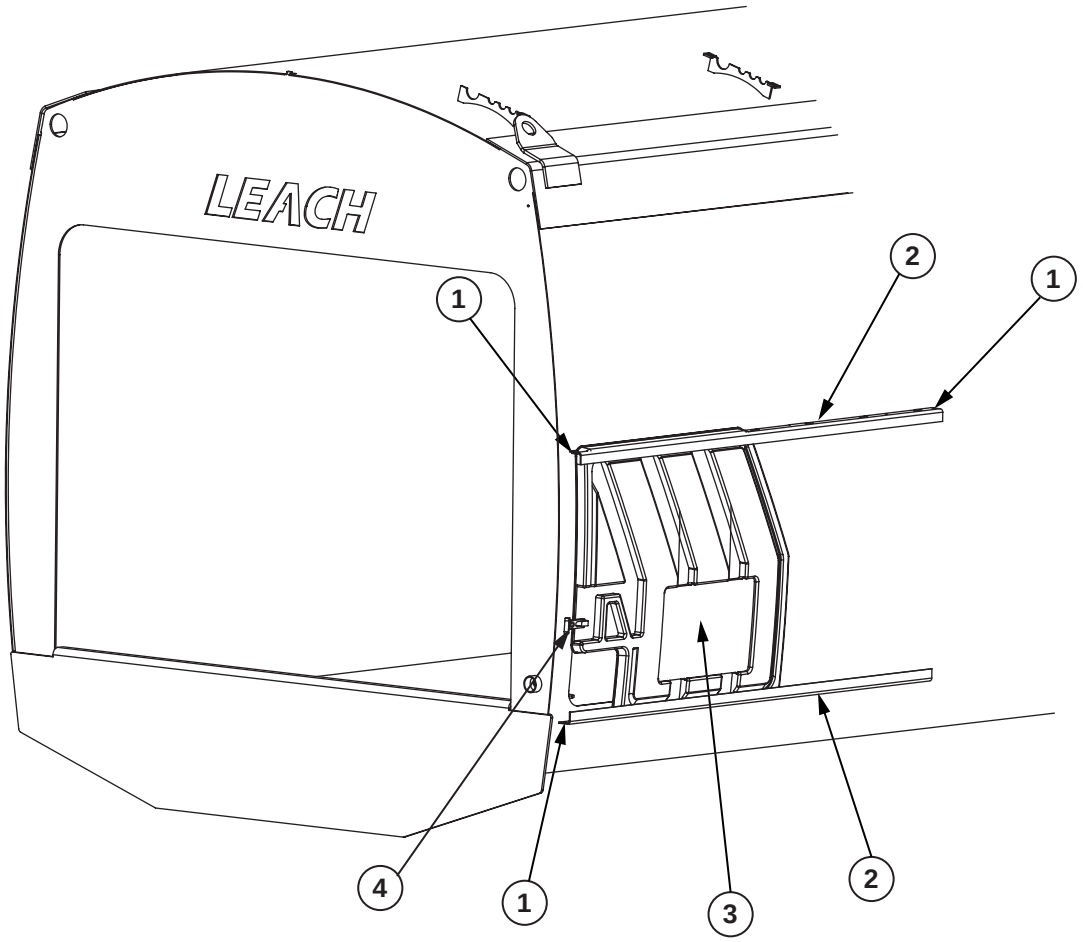
PUSH OUT PANEL AND CYLINDER MOUNTING



PUSH OUT PANEL AND CYLINDER MOUNTING

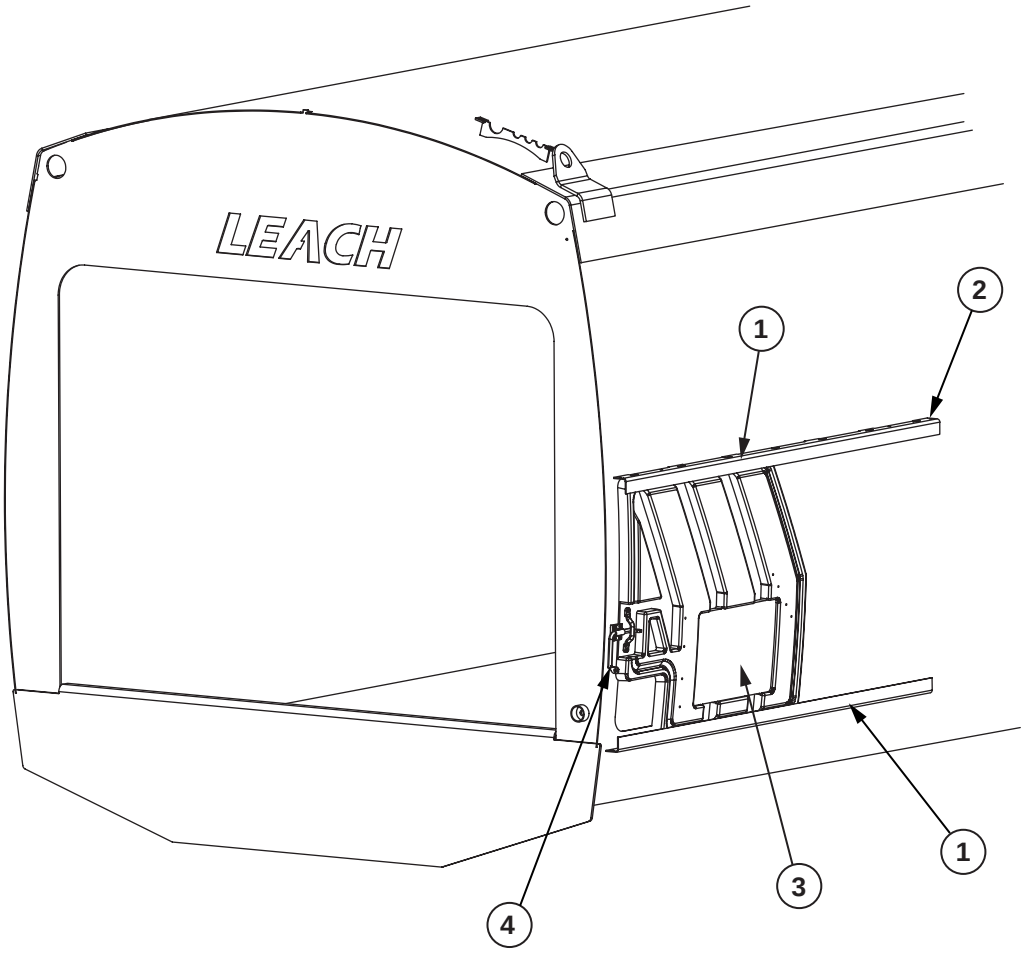
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	707908	WELDMENT, Ejector Panel, Standard	1
	707909	WELDMENT, Ejector Panel, Commercial	1
2	701855	BLOCK, Wear, Upper	4
	108755	SHIM, Wear Block	AR
3	701856	BLOCK, Wear, Lower	4
	108755	SHIM, Wear Block	AR
4	702085	RETAINER, Wear Block	16
	F1425	CAPSCREW, 5/8” X 2 1/4” UNC	16
	F3500	NUT, Elastic Stop, 5/8” UNC	16
	F7450	WASHER, Flat, 5/8”	16
	F8050	WASHER, Lock, 5/8”	16
5	708541	ASSEMBLY, Cylinder, 20 Yard	1
	708543	ASSEMBLY, Cylinder, 25 Yard	1
	708544	ASSEMBLY, Cylinder, 29 Yard	1
	708545	ASSEMBLY, Cylinder, 32 Yard	1
6	108874	BEARING, Spherical	1
7	603463	PIN	1
8	200830	RETAINER, Pin	1
	F0900	CAPSCREW, 1/2” X 1” UNC	1
9	707951	BLOCK, Pin Retainer	2
	F1610	CAPSCREW, 5/8” X 5 1/2” UNC	4
	F3500	NUT, Elastic Stop, 5/8” UNC	4
	F7450	WASHER, Flat, 5/8”	4
10	702276	PIN	1
	707952	SPACER	4

SIDE DOOR - 706898 - WITH RUBBER LATCH ASSEMBLY



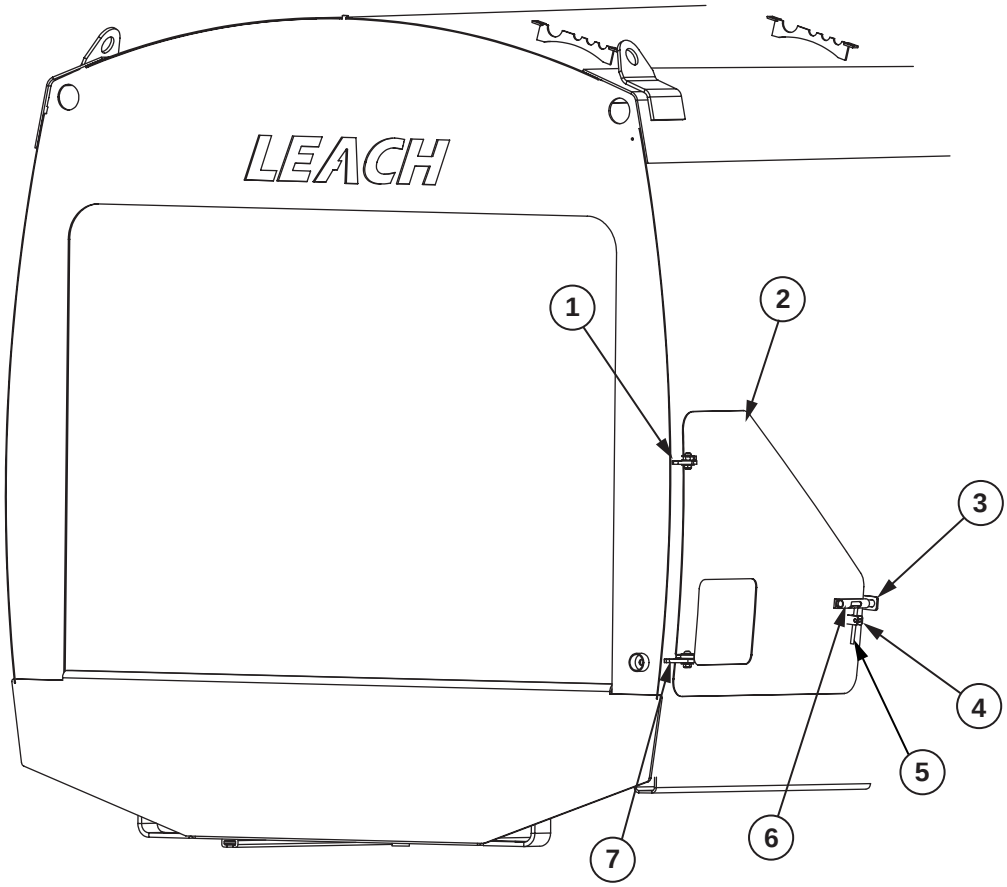
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	707049	STOP, Door	3
	F0024	CAPSCREW, 1/4” X 1” UNC	3
	F2775	NUT, Nylock, 1/4” UNC	3
2	706975	ANGLE, Side Door	2
3	707052	DOOR	1
4	709026	ASSEMBLY, Door Latch	1

SIDE DOOR - 709924 - WITH SLIDE BOLT LATCH ASSEMBLY



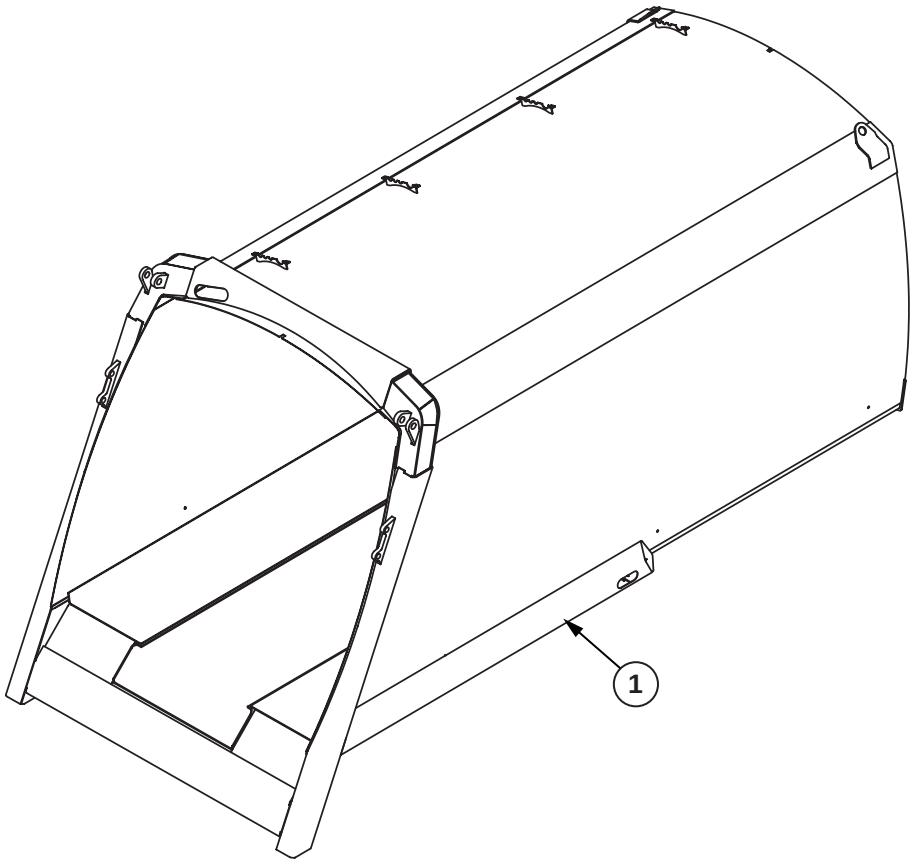
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	706975	ANGLE, Side Door	2
2	709922	STOP, Door	1
	F0024	CAPSCREW, 1/4” X 1” UNC	1
	F2775	NUT, Nylock, 1/4” UNC	1
3	710379	DOOR	1
4	709236	ASSEMBLY, Slide Bolt Latch	1
	709249	SPACER	1
	709329	RIVET, Pop	6
	F7150	WASHER, Fender	2

SIDE DOOR - 710601 - HINGED, AFTER SERIAL NUMBER 30166



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	710798	HINGE, Upper	1
	F6196	CAPSCREW, Button Head, 1/2” X 1 1/2” UNC	1
	F7350	WASHER, Flat, 1/2”	3
	F3300	NUT, Elastic Stop, 1/2” UNC	1
2	710501	ASSEMBLY, Side Door (Includes Items 1, 4, 5, 6 and 7)	1
3	710528	LATCH PLATE	1
4	710500	LATCH LOCK PLATE	2
5	39609	HANDLE, Barrel Bolt	1
	39608	BAR, Barrel Bolt	1
6	201018	TUBE, Barrel Bolt	1
	201019	SPACER	1
7	710796	HINGE, Lower	1
	F6196	CAPSCREW, Button Head, 1/2” X 1 1/2” UNC	1
	F7350	WASHER, Flat, 1/2”	3
	F3300	NUT, Elastic Stop, 1/2” UNC	1

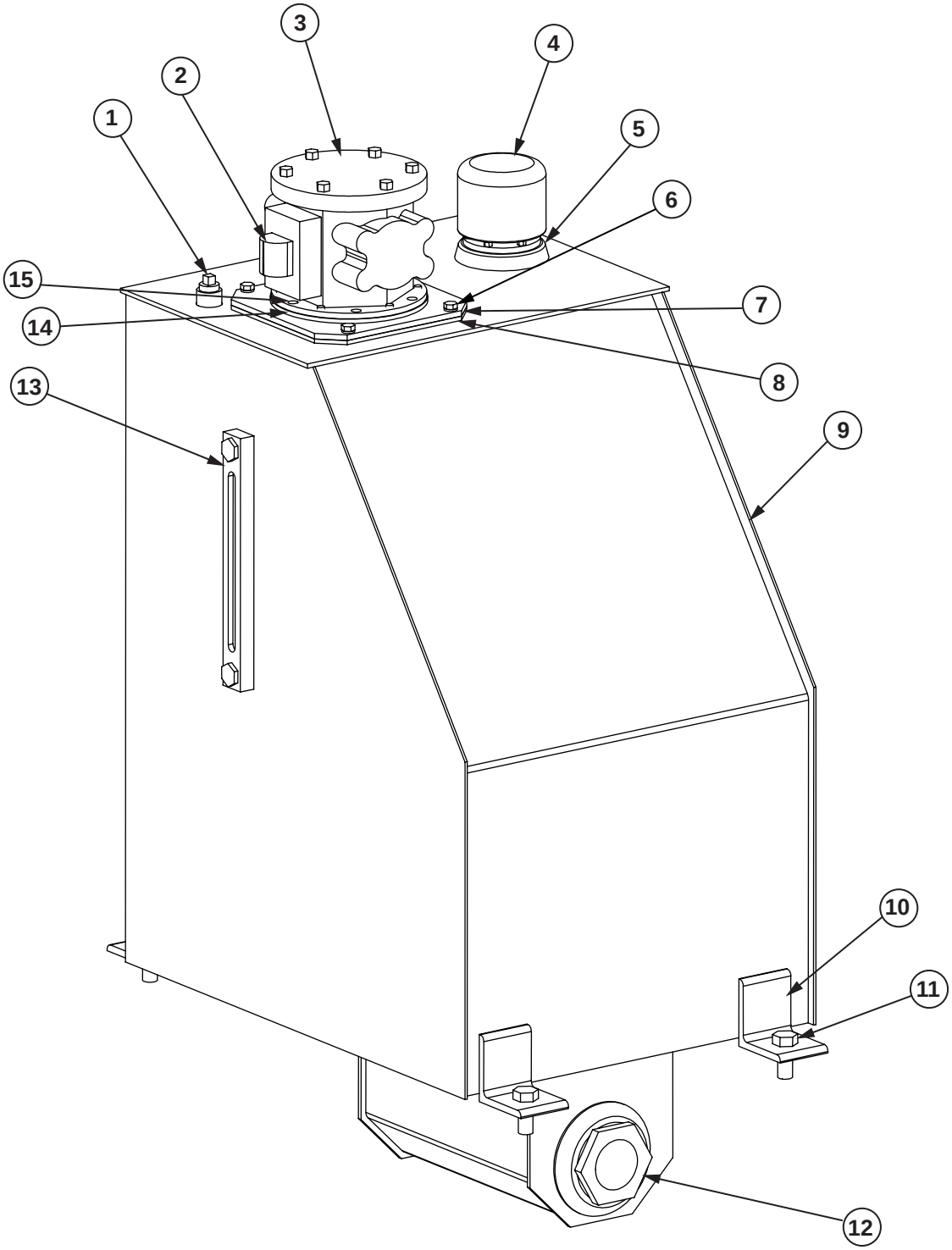
BODY FENDERS - 708523



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	708524-02	FENDER, 20 And 25 Yard, RH	1
	708525-02	FENDER, 20 And 25 Yard, LH	1
	708524-03	FENDER, 29 And 32 Yard, RH	1
	708525-03	FENDER, 29 And 32 Yard, LH	1

SECTION 4

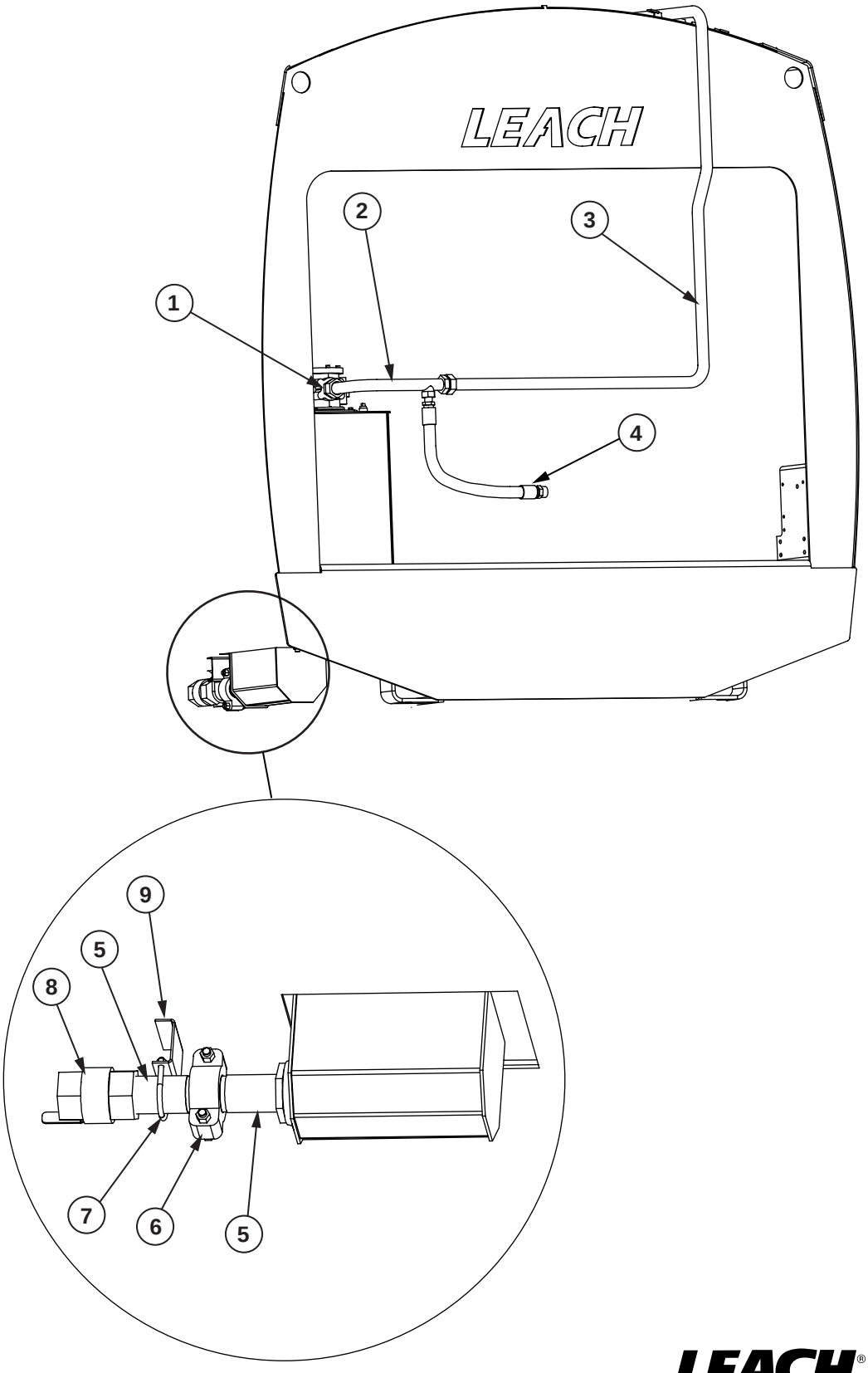
HYDRAULIC TANK ASSEMBLY - 708964



HYDRAULIC TANK ASSEMBLY - 708964

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	J0208	PLUG, Pipe, 1/2” Square Head	1
2	41073	INDICATOR, Filter Restriction	1
3	707387	ASSEMBLY, Filter, Complete	1
	17533	O-RING, Cover	1
	926783	DIVERTER, Includes Bypass Valve	1
	926616-P	VALVE, Bypass	1
	17533	O-RING, Diverter	1
	707748	ELEMENT, Filter, 10 Micron	1
		ELEMENT, Filter, 3 Micron (Clean Up Filter)	1
4	100418	ASSEMBLY, Breather (Includes Filter and Base)	1
	101348	CAP, Breather	1
5	F0010	CAPSCREW, 10-32 X 1/2”	6
6	F0100	CAPSCREW, 5/16” X 7/8” UNC	4
	F7775	WASHER, Lock, 5/16”	4
7	302177	ADAPTER, Filter	1
8	302179	GASKET, Adapter	1
9	708966	WELDMENT, Hydraulic Tank	1
10	708983	ANGLE, Tank Mounting	4
11	F1350	CAPSCREW, 5/8” X 1 1/2” UNC	4
	F3550	NUT, Elastic Stop, 5/8” UNC	4
	F7425	WASHER, Flat, 5/8”	4
12	703743	STRAINER, Suction	1
	100319	RING, Magnetic (Not Shown)	1
13	41752	GAUGE, Sight, Oil Level	1
14	204122	GASKET, Filter Housing	1
15	F0100	CAPSCREW, 5/16” X 7/8” UNC	6
	F7775	WASHER, Lock, 5/16”	6
	708964	ASSEMBLY, Hydraulic Tank	1

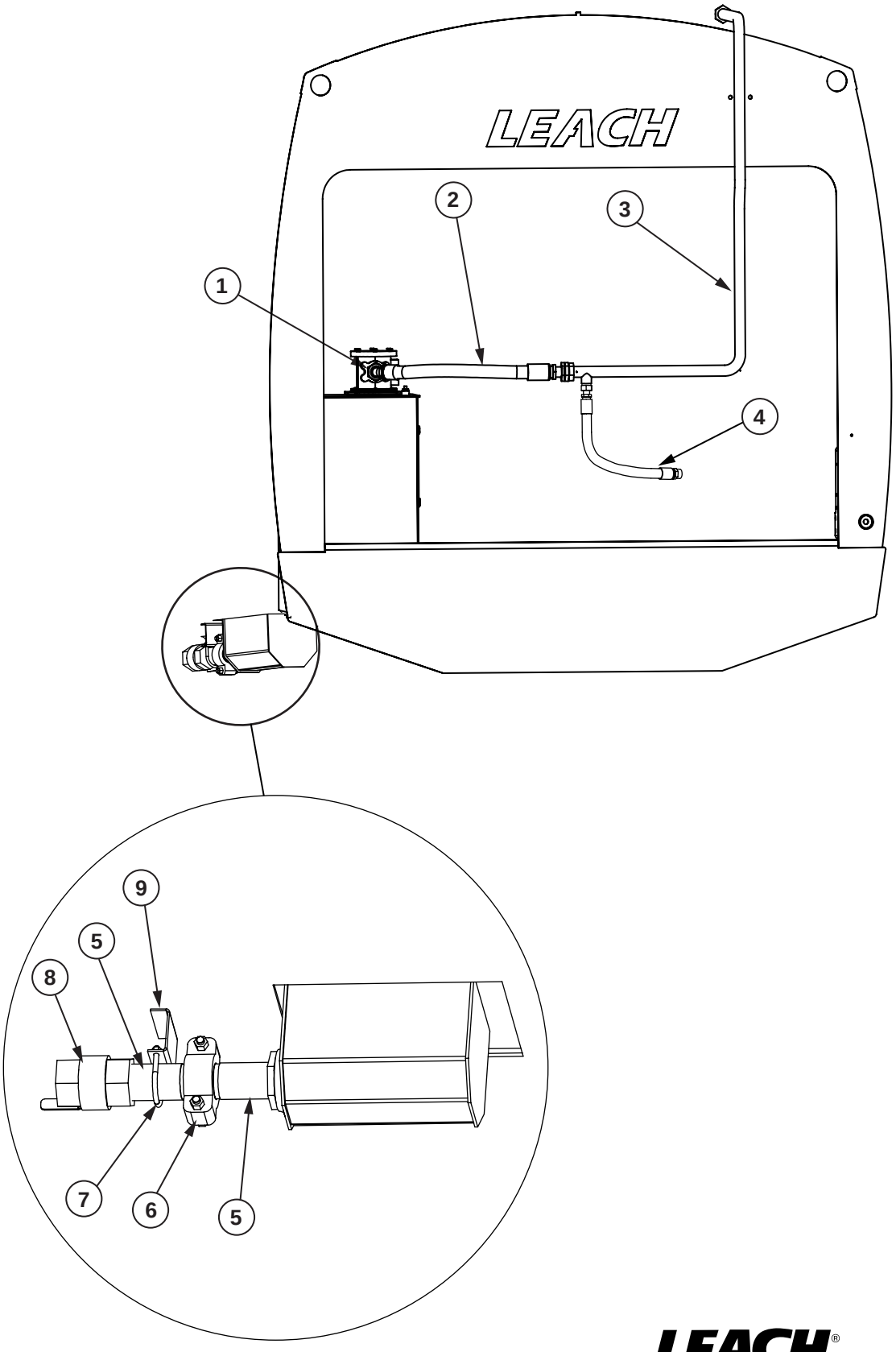
FRONT TUBING - 708962- TANK SIDE
BEFORE SERIAL NUMBER 30258



FRONT TUBING - 708962 - TANK SIDE
BEFORE SERIAL NUMBER 30258

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	703308	CONNECTOR, Straight Thread to ORFS	1
	103081-24	O-RING, # 24 Straight Thread	1
	708333	O-RING, # 24 ORFS	1
2	709262	ASSEMBLY, Tube, Return, 1 1/2”	1
	708333	O-RING, # 24 ORFS	1
	706610	O-RING, # 16 ORFS	1
	709268	ASSEMBLY, Tube, Return, 1 1/2” (For Units With Muncie Pump)	1
	708333	O-RING, # 24 ORFS	1
	706611	O-RING, # 20 ORFS	1
3	709258	ASSEMBLY, Tube, Return, 1 1/2”	1
	708333	O-RING, # 24 ORFS	1
4	708118	ASSEMBLY, Hose, Return	1
	706610	O-RING, # 16 ORFS	1
5	605296	PIPE, Suction	2
6	605998	COUPLER (Includes Rubber Seal)	1
7	16217	U-BOLT	1
	F2892	NUT, Nylock, 5/16” UNC	2
8	2910-0144B	VALVE, Ball	1
9	709159	BRACKET, Support	1
	972130	KIT, Return Hose/Tube (Includes Items 2, 3 on page 4-6 and Item 13 on Page 4-7)	1

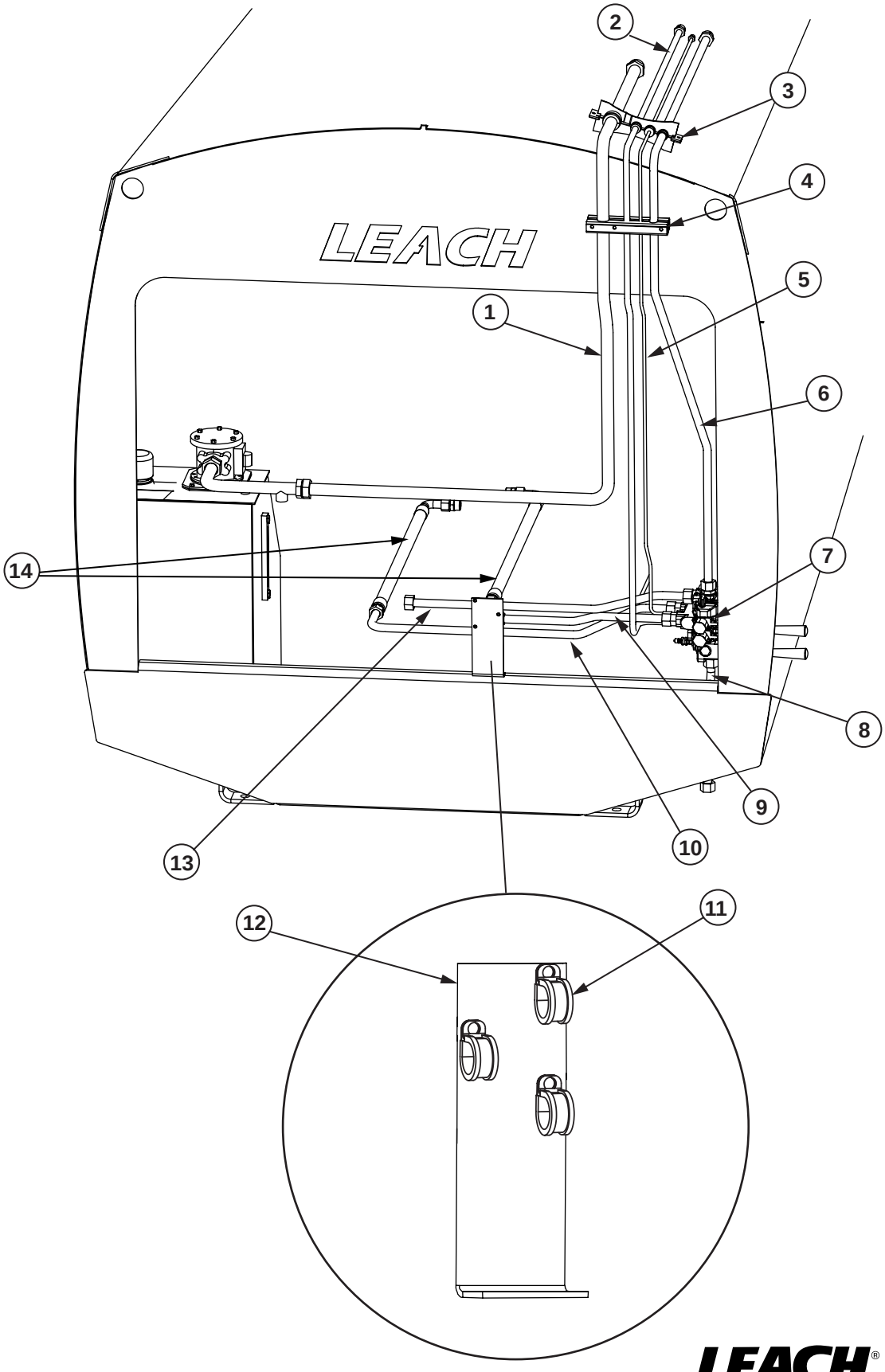
FRONT TUBING - 710467- TANK SIDE
AFTER SERIAL NUMBER 30257



FRONT TUBING - 710467 - TANK SIDE
AFTER SERIAL NUMBER 30257

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	703308	CONNECTOR, Straight Thread to ORFS	1
	103081-24	O-RING, # 24 Straight Thread	1
	708333	O-RING, # 24 ORFS	1
2	710448	ASSEMBLY, Hose, Return, 1 1/2”	1
	708333	O-RING, # 24 ORFS	1
	706610	O-RING, # 16 ORFS	1
	709268	ASSEMBLY, Tube, Return, 1 1/2” (For Units With Muncie Pump)	1
	708333	O-RING, # 24 ORFS	1
	706611	O-RING, # 20 ORFS	1
3	710491	ASSEMBLY, Tube, Return, 1 1/2”	1
	708333	O-RING, # 24 ORFS	1
4	708118	ASSEMBLY, Hose, Return	1
	706610	O-RING, # 16 ORFS	1
5	605296	PIPE, Suction	2
6	605998	COUPLER (Includes Rubber Seal)	1
7	16217	U-BOLT	1
	F2892	NUT, Nylock, 5/16” UNC	2
8	2910-0144B	VALVE, Ball	1
9	709159	BRACKET, Support	1
	972130	KIT, Return Hose/Tube (Includes Items 2, 3 on this page and Item 13 on Page 4-7)	1

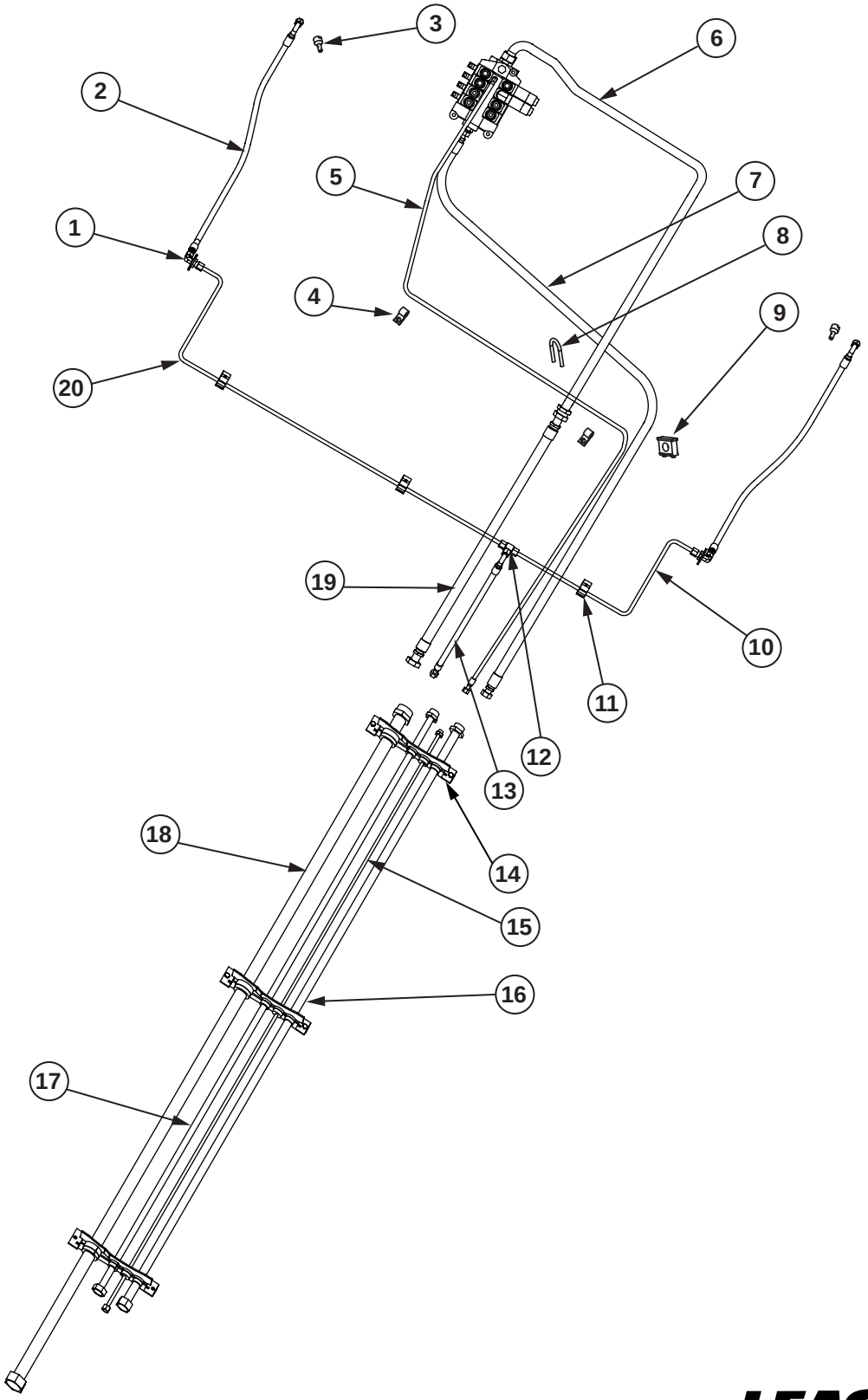
FRONT TUBING - 708295 - VALVE SIDE



FRONT TUBING - 708295 - VALVE SIDE

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	709258	ASSEMBLY, Tube, Return, 1 1/2”	1
	708333	O-RING, # 24 ORFS	1
2	708061	ASSEMBLY, Tube, Tailgate Lift, 3/4”	1
	706609	O-RING, # 12 ORFS	1
3	709057	WELDMENT, Tube Clamp	AR
	707309	BUSHING, For 1 1/2” Tube	AR
	708239	BUSHING, For 3/8” Tube	AR
	708240	BUSHING, For 3/4” Tube	AR
	708241	BUSHING, For 1” Tube	AR
	F0277	CAPSCREW, 3/8” X 1” UNC	AR
	F3075	NUT, Elastic Stop, 3/8” UNC	AR
4	709094	BLOCK, Tubing	2
	F0575	CAPSCREW, 3/8” X 3” UNC	4
	F3075	NUT, Elastic Stop, 3/8” UNC	4
	F7250	WASHER, Flat, 3/8”	4
5	708063	ASSEMBLY, Tube, Pilot, 3/8”	1
	706607	O-RING, # 6 ORFS	1
6	708067	ASSEMBLY, Tube, Pressure, 1”	1
	706610	O-RING, # 16 ORFS	1
7	708105	ASSEMBLY, Valve, Front Control (See Page 5-? For Breakdown)	1
8	708055	ASSEMBLY, Tube, Pressure Inlet, 1”	1
	100875	SUPPORT, Tube, 1”	1
9	708057	ASSEMBLY, Tube, Push Out Cylinder	1
10	708059	ASSEMBLY, Tube, Push Out Cylinder	1
11	708237	CLAMP, Tube	3
	F0277	CAPSCREW, 3/8” X 1” UNC	3
	F3075	NUT, Elastic Stop, 3/8” UNC	3
12	708070	BRACKET	1
13	708051	ASSEMBLY, Tube, 1", Front Control Valve Return	1
	710403	ASSEMBLY, Tube, 1", Front Control Valve Return (After Serial Number 30257)	1
14	704818	ASSEMBLY, Hose, Push Out Cylinder	2
	706610	O-RING, # 16 ORFS	2
	103134	CONNECTOR, Straight Thread To ORFS	2
	103081-16	O-RING, # 16 Straight Thread	2
	706610	O-RING, # 16 ORFS	2

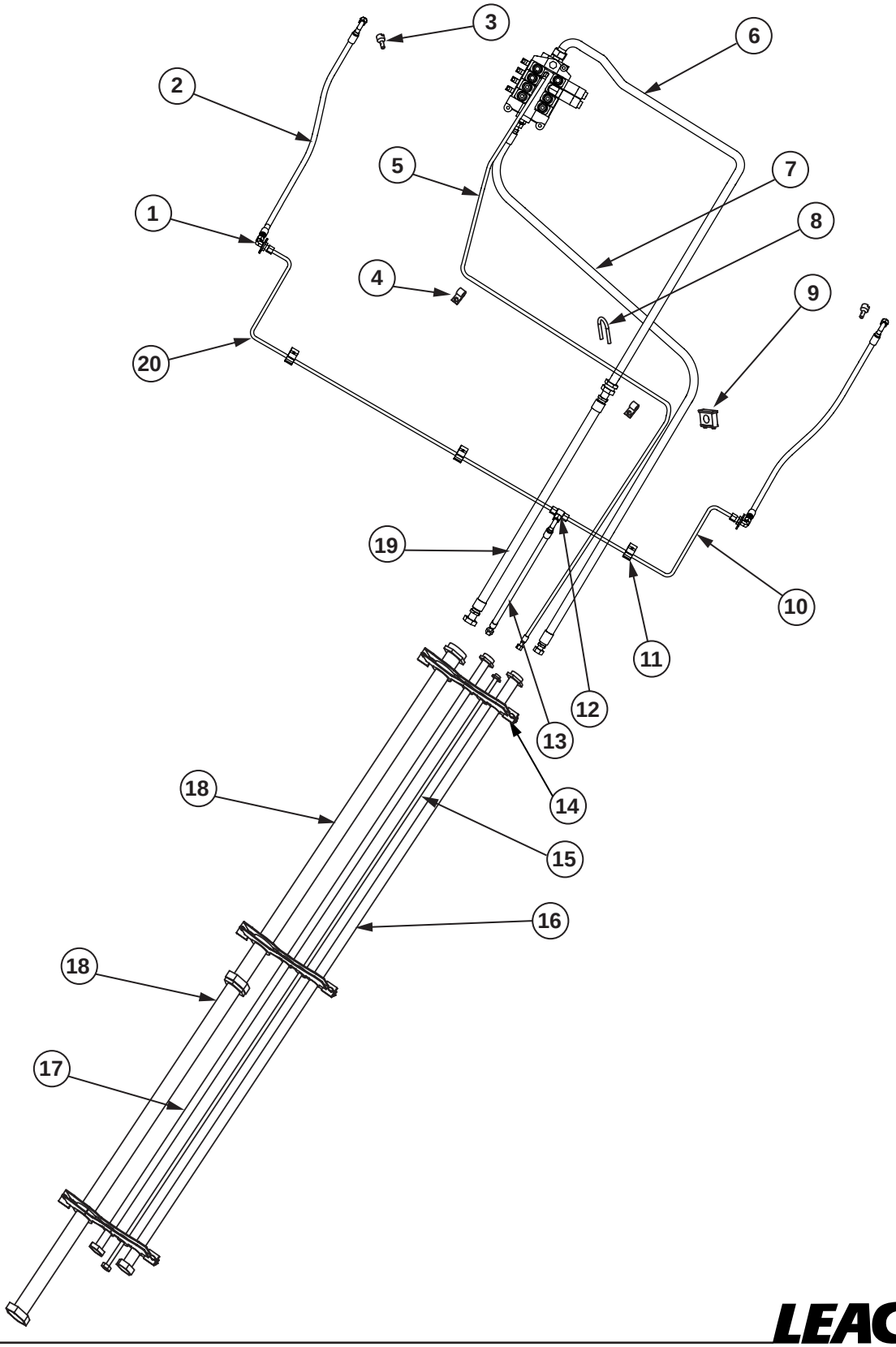
TOP BODY AND TAILGATE LIFT TUBING 20 AND 25 YARD



TOP BODY AND TAILGATE LIFT TUBING 20 AND 25 YARD

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	106777	ELBOW, Bulkhead	2
	706608	O-RING, # 8 ORFS	4
2	704959	ASSEMBLY, Hose, Tailgate Lift Cylinder	2
	704956	CONNECTOR, Straight Thread to ORFS	2
	103081-10	O-RING, # 10 Straight Thread	2
	706608	O-RING, # 8 ORFS	2
3	701845	PIN, Restriction	2
4	2127-0171A	CLAMP, Tubing	2
	F0277	CAPSCREW, 3/8” X 1” UNC	2
	F3010	NUT, Flange Whiz, 3/8” UNC	2
5	708848	ASSEMBLY, Hose, Pilot	1
6	708299	ASSEMBLY, Tube, 1 1/2”, Return	1
	708333	O-RING, # 24 ORFS	1
7	708846	ASSEMBLY, Hose, Pressure	1
8	18270	U-BOLT	1
	F3075	NUT, Elastic Stop, 3/8” UNC	2
9	101184	ASSEMBLY, Tube Support, 1 1/2”	1
	209656-12	CUSHION (Included in 101184 Assembly)	1
	107631-07	WELD PLATE (Included in 101184 Assembly)	1
	107630-07	COVER PLATE (Included in 101184 Assembly)	1
	F0555	CAPSCREW, 3/8” X 2 3/4” UNC (Included in 101184 Assembly)	2
10	704938	ASSEMBLY, Tube, Tailgate Lift, LH	1
11	106986	ASSEMBLY, Tube Support	3
	100267-01	WELD PLATE	3
12	704945	TEE	1
	706608	O-RING, # 8 ORFS	3
13	708851	ASSEMBLY, Hose, Tailgate Lift	1
14	709057	WELDMENT, Tube Clamp	AR
	707309	BUSHING, For 1 1/2” Tube	AR
	708239	BUSHING, For 3/8” Tube	AR
	708240	BUSHING, For 3/4” Tube	AR
	708241	BUSHING, For 1” Tube	AR
	F0277	CAPSCREW, 3/8” X 1” UNC	AR
	F3075	NUT, Elastic Stop, 3/8” UNC	AR
15	708770-201	ASSEMBLY, Tube, Pilot, 20 Yard	1
	708770-250	ASSEMBLY, Tube, Pilot, 25 Yard	1
	706607	O-RING, # 6 ORFS	1
16	708741-201	ASSEMBLY, Tube, Pressure, 20 Yard	1
	708741-250	ASSEMBLY, Tube, Pressure, 25 Yard	1
	706610	O-RING, # 16 ORFS	1
17	708759-201	ASSEMBLY, Tube, Tailgate Lift, 20 Yard	1
	708759-250	ASSEMBLY, Tube, Tailgate Lift, 25 Yard	1
	706609	O-RING, # 12 ORFS	1
18	708788-201	ASSEMBLY, Tube, Return, 20 Yard	1
	708788-250	ASSEMBLY, Tube, Return, 25 Yard	1
	708333	O-RING, # 24 ORFS	1
19	708314	ASSEMBLY, Hose, Return	1
20	704935	ASSEMBLY, Tube, Tailgate Lift, RH	1

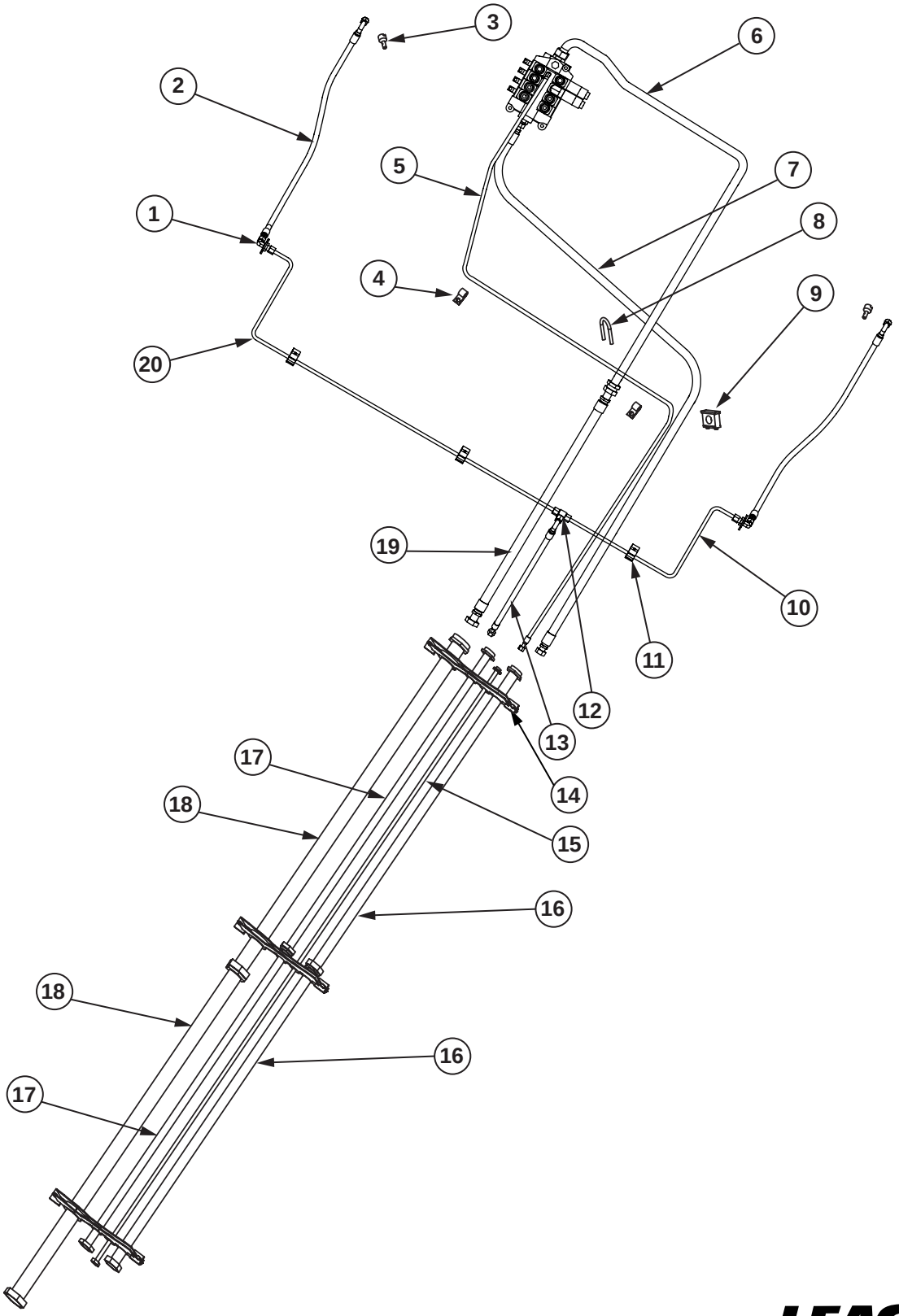
TOP BODY AND TAILGATE LIFT TUBING - 29 YARD



TOP BODY AND TAILGATE LIFT TUBING - 29 YARD

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	106777	ELBOW, Bulkhead	2
	706608	O-RING, # 8 ORFS	4
2	704959	ASSEMBLY, Hose, Tailgate Lift Cylinder	2
	704956	CONNECTOR, Straight Thread to ORFS	2
	103081-10	O-RING, # 10 Straight Thread	2
	706608	O-RING, # 8 ORFS	2
3	701845	PIN, Restriction	2
4	2127-0171A	CLAMP, Tubing	2
	F0277	CAPSCREW, 3/8” X 1” UNC	2
	F3010	NUT, Flange Whiz, 3/8” UNC	2
5	708848	ASSEMBLY, Hose, Pilot	1
6	708299	ASSEMBLY, Tube, 1 1/2”, Return	1
	708333	O-RING, # 24 ORFS	1
7	708846	ASSEMBLY, Hose, Pressure	1
8	18270	U-BOLT	1
	F3075	NUT, Elastic Stop, 3/8” UNC	2
9	101184	ASSEMBLY, Tube Support, 1 1/2”	1
	209656-12	CUSHION (Included in 101184 Assembly)	1
	107631-07	WELD PLATE (Included in 101184 Assembly)	1
	107630-07	COVER PLATE (Included in 101184 Assembly)	1
	F0555	CAPSCREW, 3/8” X 2 3/4” UNC (Included in 101184 Assembly)	2
10	704938	ASSEMBLY, Tube, Tailgate Lift, LH	1
11	106986	ASSEMBLY, Tube Support	3
	100267-01	WELD PLATE	3
12	704945	TEE	1
	706608	O-RING, # 8 ORFS	3
13	708851	ASSEMBLY, Hose, Tailgate Lift	1
14	709057	WELDMENT, Tube Clamp	AR
	707309	BUSHING, For 1 1/2” Tube	AR
	708239	BUSHING, For 3/8” Tube	AR
	708240	BUSHING, For 3/4” Tube	AR
	708241	BUSHING, For 1” Tube	AR
	F0277	CAPSCREW, 3/8” X 1” UNC	AR
	F3075	NUT, Elastic Stop, 3/8” UNC	AR
15	708770-290	ASSEMBLY, Tube, Pilot, 29 Yard	1
	706607	O-RING, # 6 ORFS	1
16	708741-290	ASSEMBLY, Tube, Pressure, 29 Yard	1
	706610	O-RING, # 16 ORFS	1
17	708759-290	ASSEMBLY, Tube, Tailgate Lift, 29 Yard	1
	706609	O-RING, # 12 ORFS	1
18	708788-290	ASSEMBLY, Tube, Return, 29 Yard	2
	708333	O-RING, # 24 ORFS	1
19	708314	ASSEMBLY, Hose, Return	1
20	704935	ASSEMBLY, Tube, Tailgate Lift, RH	1

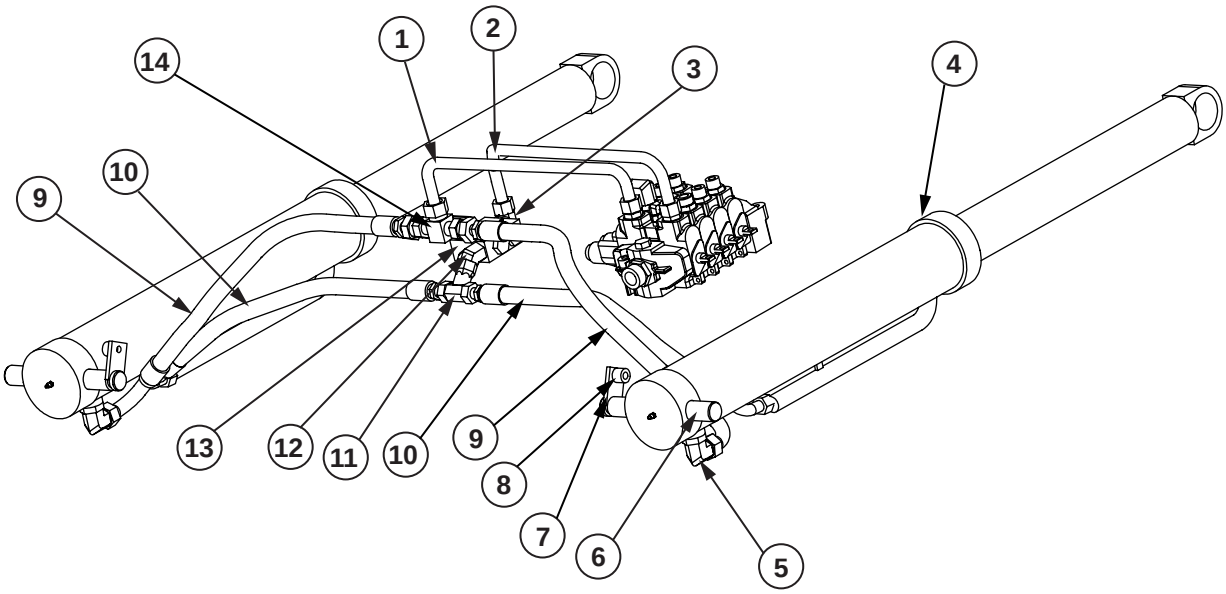
TOP BODY AND TAILGATE LIFT TUBING - 32 YARD



TOP BODY AND TAILGATE LIFT TUBING - 32 YARD

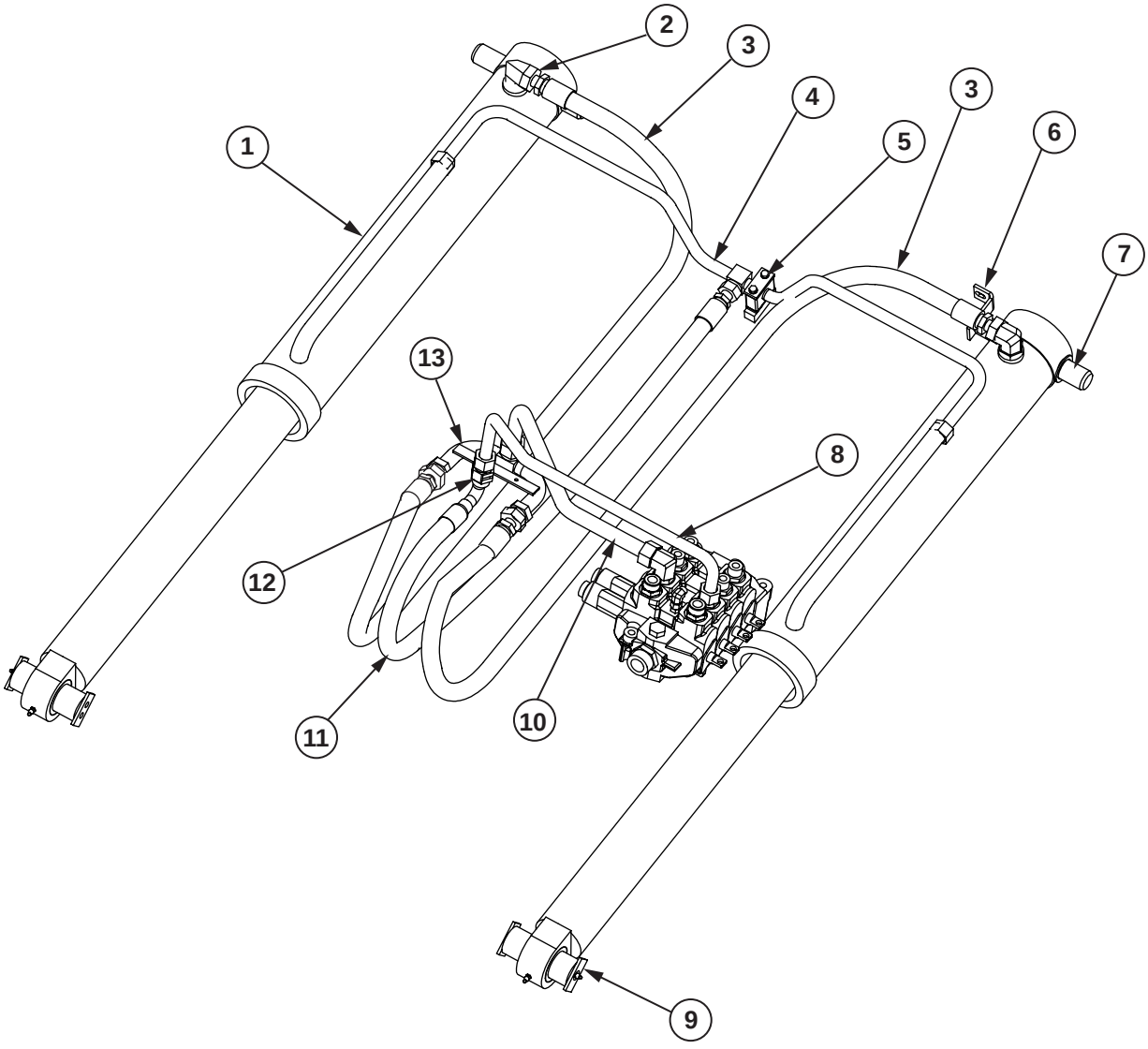
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	106777	ELBOW, Bulkhead	2
	706608	O-RING, # 8 ORFS	4
2	704959	ASSEMBLY, Hose, Tailgate Lift Cylinder	2
	704956	CONNECTOR, Straight Thread to ORFS	2
	103081-10	O-RING, # 10 Straight Thread	2
	706608	O-RING, # 8 ORFS	2
3	701845	PIN, Restriction	2
4	2127-0171A	CLAMP, Tubing	2
	F0277	CAPSCREW, 3/8” X 1” UNC	2
	F3010	NUT, Flange Whiz, 3/8” UNC	2
5	708848	ASSEMBLY, Hose, Pilot	1
6	708299	ASSEMBLY, Tube, 1 1/2”, Return	1
	708333	O-RING, # 24 ORFS	1
7	708846	ASSEMBLY, Hose, Pressure	1
8	18270	U-BOLT	1
	F3075	NUT, Elastic Stop, 3/8” UNC	2
9	101184	ASSEMBLY, Tube Support, 1 1/2”	1
	209656-12	CUSHION (Included in 101184 Assembly)	1
	107631-07	WELD PLATE (Included in 101184 Assembly)	1
	107630-07	COVER PLATE (Included in 101184 Assembly)	1
	F0555	CAPSCREW, 3/8” X 2 3/4” UNC (Included in 101184 Assembly)	2
10	704938	ASSEMBLY, Tube, Tailgate Lift, LH	1
11	106986	ASSEMBLY, Tube Support	3
	100267-01	WELD PLATE	3
12	704945	TEE	1
	706608	O-RING, # 8 ORFS	3
13	708851	ASSEMBLY, Hose, Tailgate Lift	1
14	709057	WELDMENT, Tube Clamp	AR
	707309	BUSHING, For 1 1/2” Tube	AR
	708239	BUSHING, For 3/8” Tube	AR
	708240	BUSHING, For 3/4” Tube	AR
	708241	BUSHING, For 1” Tube	AR
	F0277	CAPSCREW, 3/8” X 1” UNC	AR
	F3075	NUT, Elastic Stop, 3/8” UNC	AR
15	708770-320	ASSEMBLY, Tube, Pilot, 32 Yard	1
	706607	O-RING, # 6 ORFS	1
16	708741-320	ASSEMBLY, Tube, Pressure, 32 Yard	2
	706610	O-RING, # 16 ORFS	2
17	708759-320	ASSEMBLY, Tube, Tailgate Lift, 32 Yard	2
	706609	O-RING, # 12 ORFS	2
18	708788-320	ASSEMBLY, Tube, Return, 32 Yard	2
	708333	O-RING, # 24 ORFS	2
19	708314	ASSEMBLY, Hose, Return	1
20	704935	ASSEMBLY, Tube, Tailgate Lift, RH	1

CARRIER CYLINDER HYDRAULICS



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	708301	ASSEMBLY, Tube	1
2	704404	ASSEMBLY, Tube	1
3	704354	ELBOW, Straight Thread to ORFS	1
	103081-16	O-RING, # 16 Straight Thread	1
	706610	O-RING, # 16 ORFS	1
4	703341	ASSEMBLY, Operating Cylinder	2
5	603449	ELBOW, Straight Thread to ORFS	2
	103081-20	O-RING, # 20 Straight Thread	2
	706611	O-RING, # 20 ORFS	2
6	204946	PIN, Carrier Cylinder Case End	2
7	200786	RETAINER, Pin	2
8	204948	SPACER, Pin Retainer	2
	F1076	CAPSCREW, 1/2” X 2 3/4” UNC	2
	F3350	NUT, 1/2” UNC	2
	F7975	WASHER, Lock, 1/2”	2
9	704630	ASSEMBLY, Hose, Carrier Cylinder Case End	2
10	704653	ASSEMBLY, Hose, Carrier Cylinder Rod End	2
11	603448	TEE	1
	706610	O-RING, # 16 ORFS	2
12	704812	ELBOW, Straight Thread to ORFS	1
	103081-16	O-RING, # 16 Straight Thread	1
	706610	O-RING, # 16 ORFS	1
13	700290	VALVE, Crossover Check	1
14	704842	ASSEMBLY, Tee	1
	706611	O-RING, # 20 ORFS	3

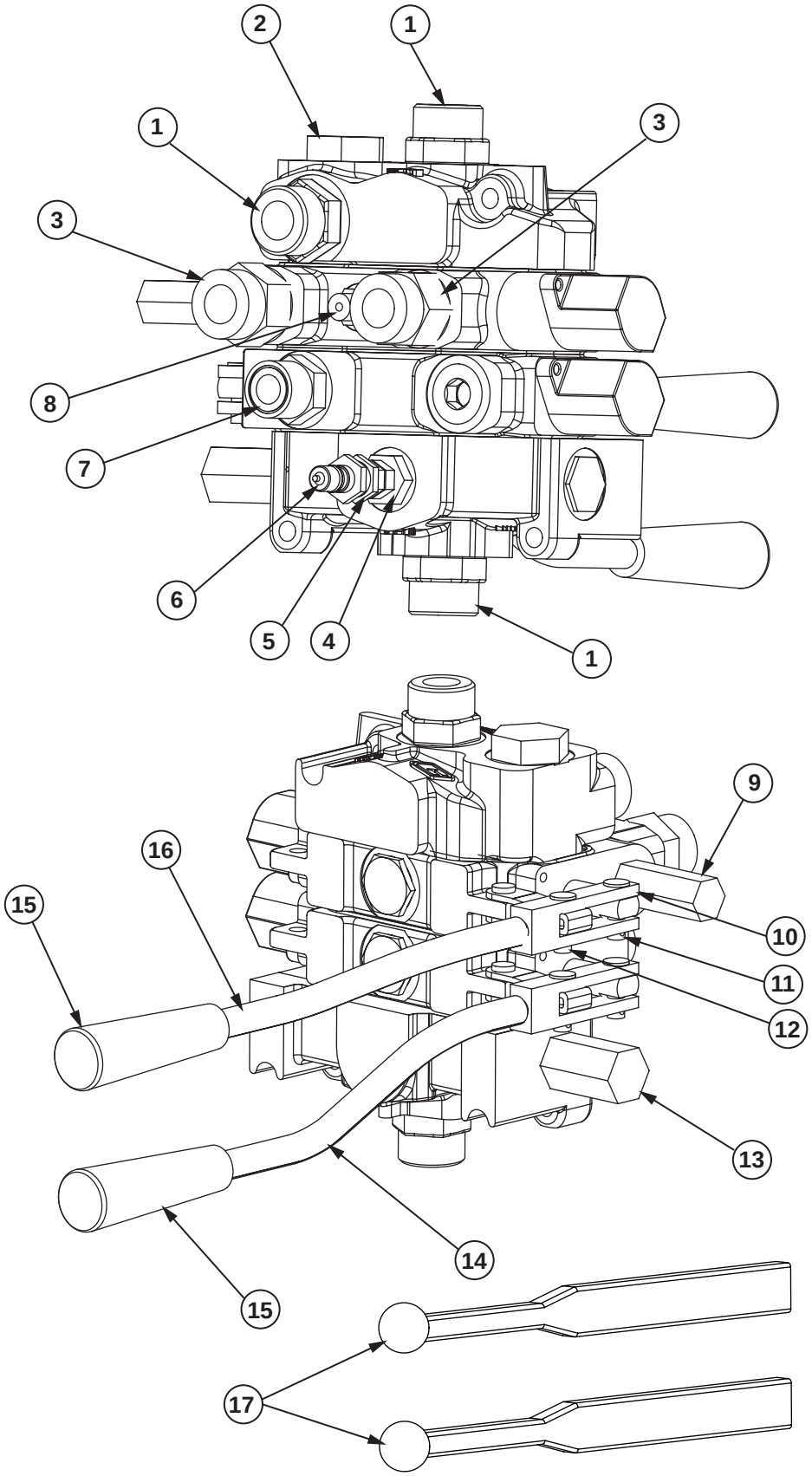
PACKER CYLINDER HYDRAULICS



PACKER CYLINDER HYDRAULICS

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	703341	ASSEMBLY, Operating Cylinder	2
2	603449	ELBOW, Straight Thread to ORFS	2
	103081-20	O-RING, # 20 Straight Thread	1
	706611	O-RING, # 20 ORFS	1
3	708335	ASSEMBLY, Hose, Packer Cylinder Case End	2
4	704434	ASSEMBLY, Tube, Packer Cylinder Rod End	1
	706610	O-RING, # 16 ORFS	1
5	102624	ASSEMBLY, Tube Support, 1”	1
	209656-10	Cushion, 1” (Included in 102624 Assembly)	1
	107630-06	PLATE, Cover (Included in 102624 Assembly)	1
	100365	NUT, Rail (Included in 102624 Assembly)	2
	F0500	CAPSCREW, 3/8” X 2 1/4” UNC (Included in 102624 Assembly)	2
	F7280	WASHER, Lock, 3/8” (Included in 102624 Assembly)	2
	704854	SPACER	1
6	35380	RETAINER, Pin	2
	F0960	CAPSCREW, 1/2” X 1 1/4” UNC	2
	F7350	WASHER, Flat, 1/2”	2
	75379	ANGLE, Lock	2
7	200787	PIN, Packer Cylinder Case End	2
8	704402	ASSEMBLY, Tube, Packer Cylinder Rod End	1
9	2R-1948	PIN, Packer Cylinder Rod End	2
	2R-1951	RETAINER, Pin	2
	F1076	CAPSCREW, 1/2” X 2 3/4” UNC	4
	F7975	WASHER, Lock, 1/2”	4
10	704407	ASSEMBLY, Tube, Packer Cylinder Case End	1
11	704731	ASSEMBLY, Hose, Packer Cylinder Rod End	1
12	704356	UNION, Bulkhead	1
	706610	O-RING, # 16 ORFS	2
13	703650	ASSEMBLY, Manifold	1
	706611	O-RING, # 20 ORFS	3

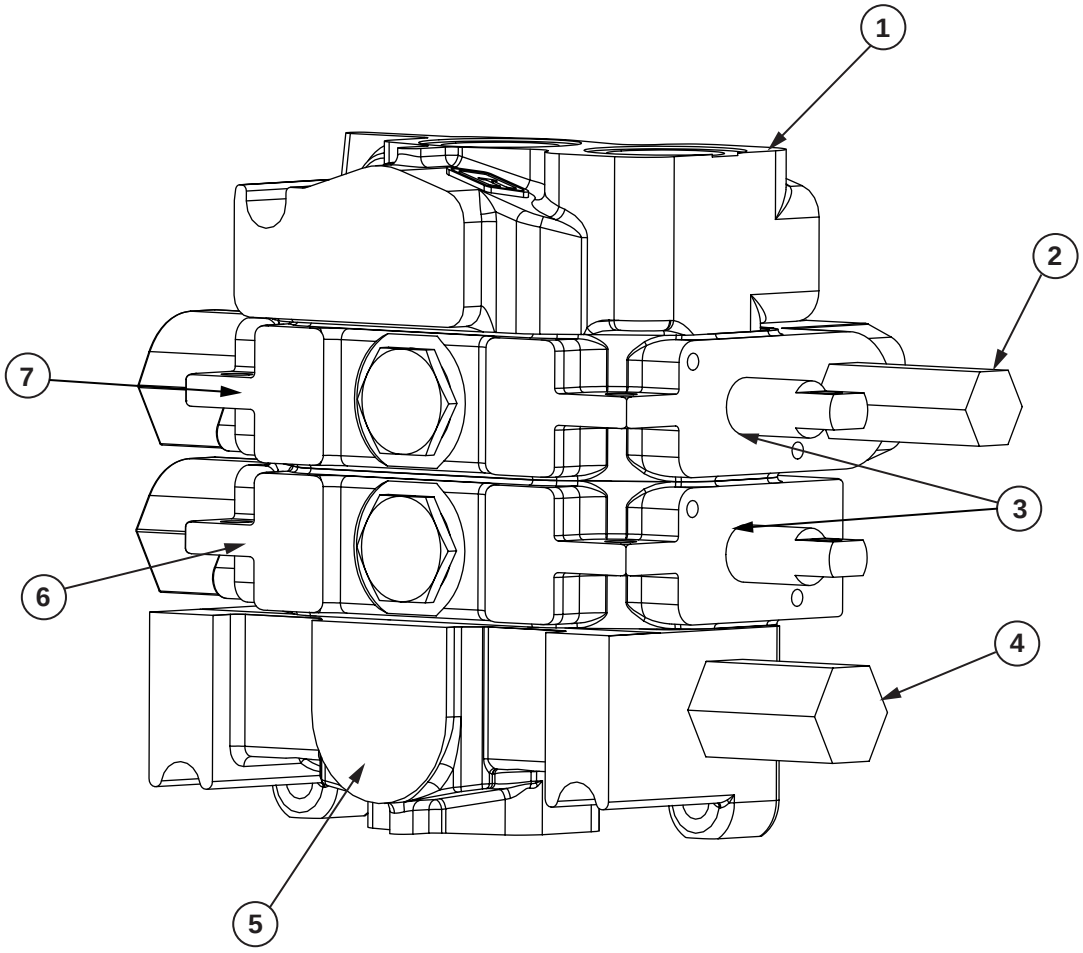
FRONT CONTROL VALVE (FCV) INSTALLATION



FRONT CONTROL VALVE (FCV) INSTALLATION

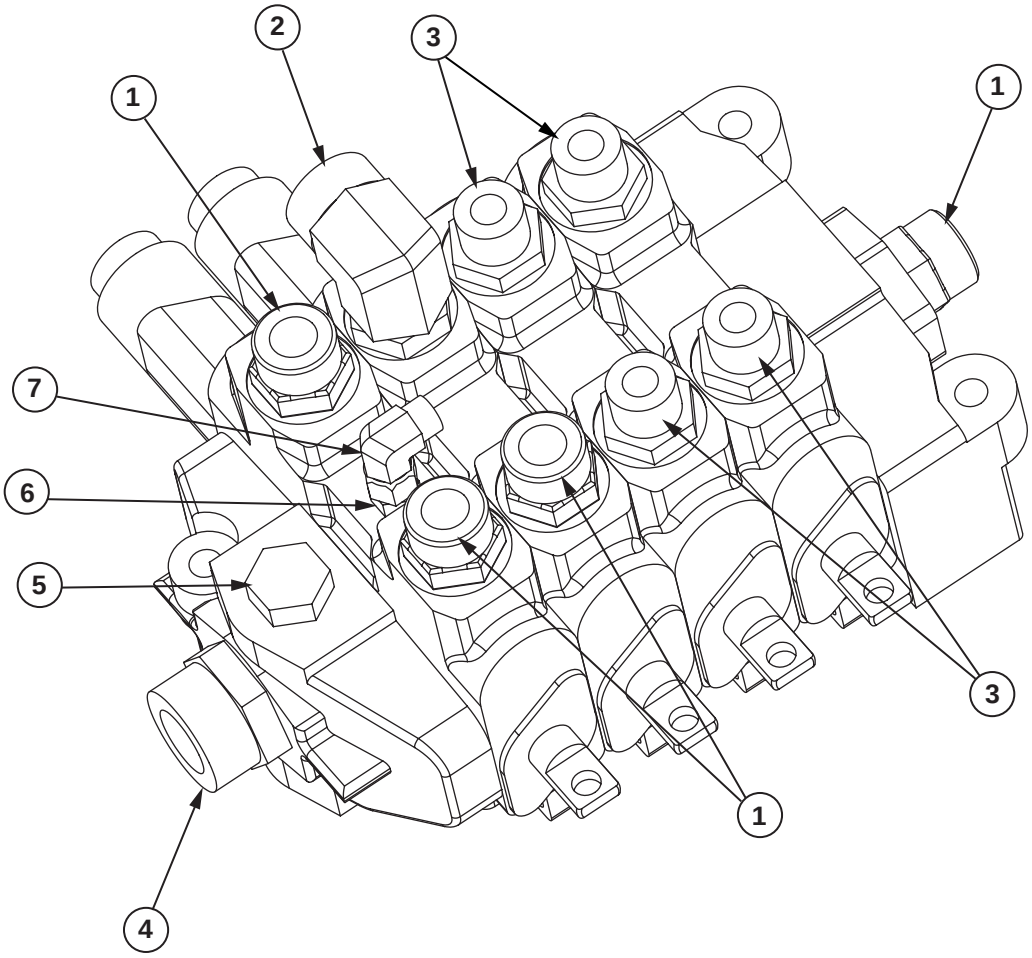
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	103134	FITTING, Straight Thread to ORFS	3
	103081-16	O-RING, # 16 Straight Thread	3
	706610	O-RING, # 16 ORFS	3
2	17664	PLUG	1
	103081-16	O-RING, # 16 Straight Thread	1
3	704617	FITTING, Straight Thread to ORFS	2
	103081-12	O-RING, # 12 Straight Thread	2
	706610	O-RING, # 16 ORFS	2
4	705321	FITTING, Reducer # 10 to # 6	1
	103081-10	O-RING. # 10 Straight Thread	1
5	705322	UNION, Straight Thread #6 to #6	1
	103081-06	O-RING, # 6 Straight Thread	2
6	705323	NIPPLE, Test	1
	102823	CAP, Dust (Not Shown)	1
7	103135	FITTING, Straight Thread to ORFS	1
	103081-12	O-RING, # 12 Straight Thread	1
	706609	O-RING, # 12 ORFS	1
8	704814	FITTING, Straight Thread to ORFS	1
	103081-04	O-RING, # 4 Straight Thread	1
	706607	O-RING, # 6 ORFS	1
9	709883	CARTRIDGE, Resistance, 1800 PSI	1
10	709040	KIT, Handle Linkage (Before Serial Number 30167)	2
11	708234	PIN	2
12	708117	PIN	4
13	709882	CARTRIDGE, Main Relief, 2350 PSI	1
14	709177	WELDMENT, Handle, Lower (Before Serial Number 30167)	1
15	108287	KNOB (Before Serial Number 30167)	2
16	709176	WELDMENT, Handle, Upper (Before Serial Number 30167)	1
17	710971	KIT, Handle, Upper and Lower (After Serial Number 30166)	2
	708111	ASSEMBLY, Front Control Valve (Includes Fittings and Handles)	1
	708105	VALVE, Front Control (Valve Only)	1

FRONT CONTROL VALVE



REF. NO.	PART NO.	DESCRIPTION	QTY.
1		COVER, Outlet	1
2	709883	CARTRIDGE, Resistance, 1800 PSI	1
3	709884	KIT, Spool Seal	2
4	709882	CARTRIDGE, Main Relief, 2350 PSI	1
5		COVER, Inlet	1
6		SECTION, Tailgate	1
	709885	KIT, Seal, Section	1
7		SECTION, Push Out	1
	709885	KIT, Seal, Section	1

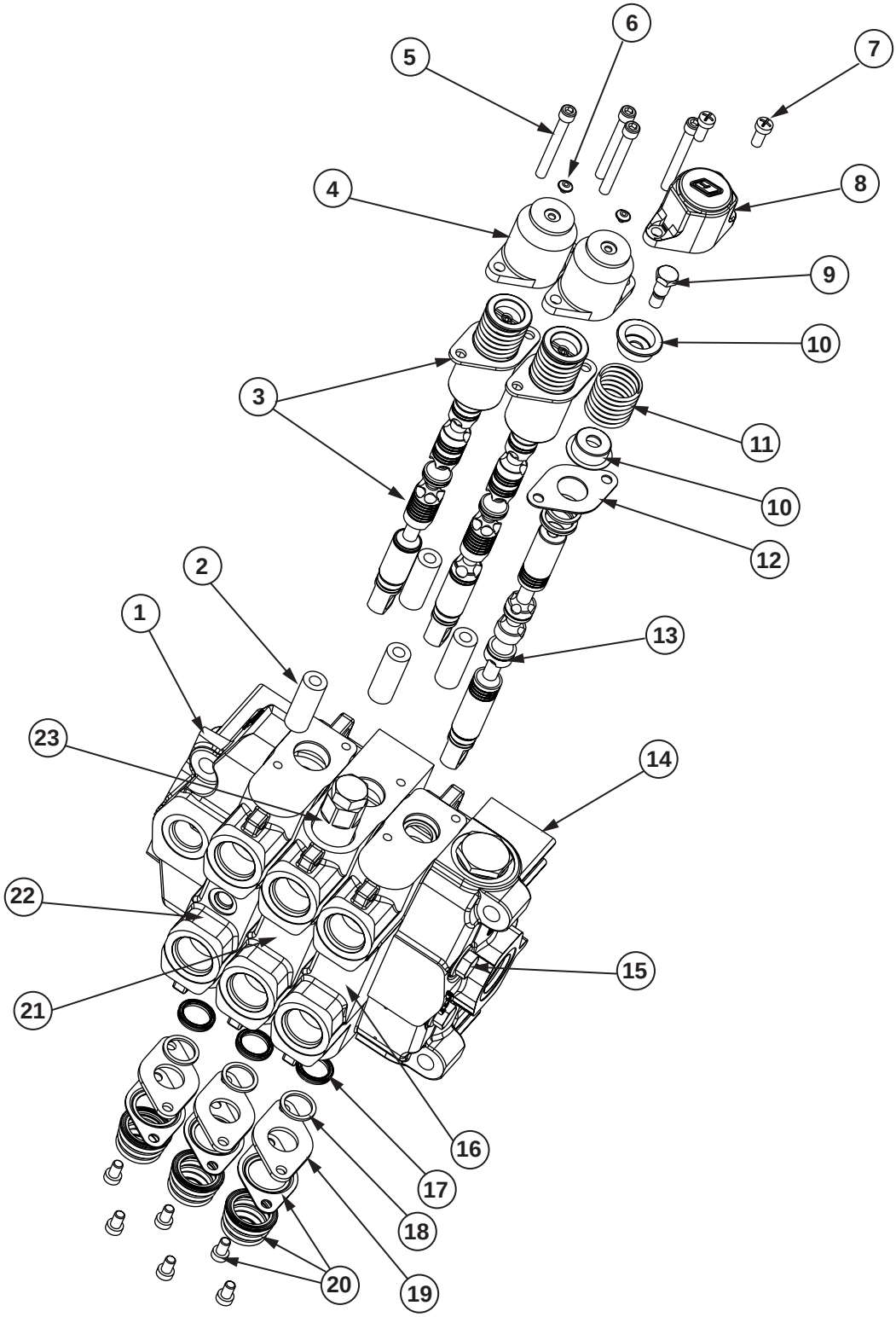
MAIN CONTROL VALVE (MCV) INSTALLATION



MAIN CONTROL VALVE (MCV) INSTALLATION

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	103134	FITTING, Straight Thread to ORFS	4
	103081-16	O-RING, # 16 Straight Thread	4
	706610	O-RING, # 16 ORFS	4
2	702997	ELBOW, Straight Thread to ORFS	1
	103081-16	O-RING, # 16 Straight Thread	1
	706611	O-RING, # 20 ORFS	1
3	704333	FITTING, Straight Thread to ORFS	4
	103081-12	O-RING, # 12 Straight Thread	4
	706610	O-RING, # 16 ORFS	4
4	703308	FITTING, Straight Thread to ORFS	1
	103081-24	O-RING, # 24 Straight Thread	1
	708333	O-RING, # 24 ORFS	1
5	16216	PLUG	1
	103081-12	O-RING, # 12 Straight Thread	1
6	704353	FITTING, Straight Thread to ORFS	1
	103081-06	O-RING, # 6 Straight Thread	1
	706607	O-RING, # 6 ORFS	1
7	704352	ELBOW	1
	706607	O-RING, # 6 ORFS	1
	708303	ASSEMBLY, Main Control Valve, 2 Section (Includes Fittings)	1
	703874	VALVE, Main Control, 2 Section (Valve Only)	1
	708307	ASSEMBLY, Main Control Valve, 3 Section (Includes Fittings)	1
	703872	VALVE, Main Control, 3 Section (Valve Only)	1
	708305	ASSEMBLY, Main Control Valve, 4 Section (Includes Fittings)	1
	703870	VALVE, Main Control, 4 Section (Valve Only)	1

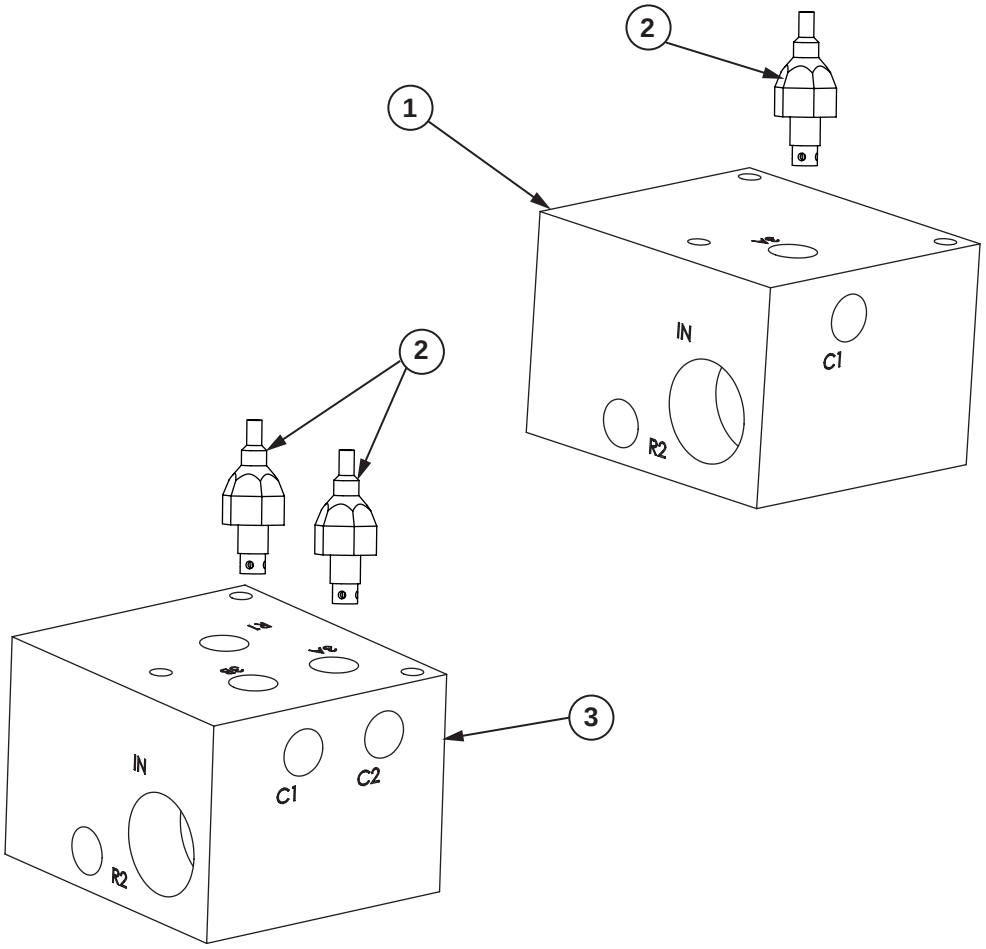
MAIN CONTROL VALVE (MCV)



MAIN CONTROL VALVE (MCV)

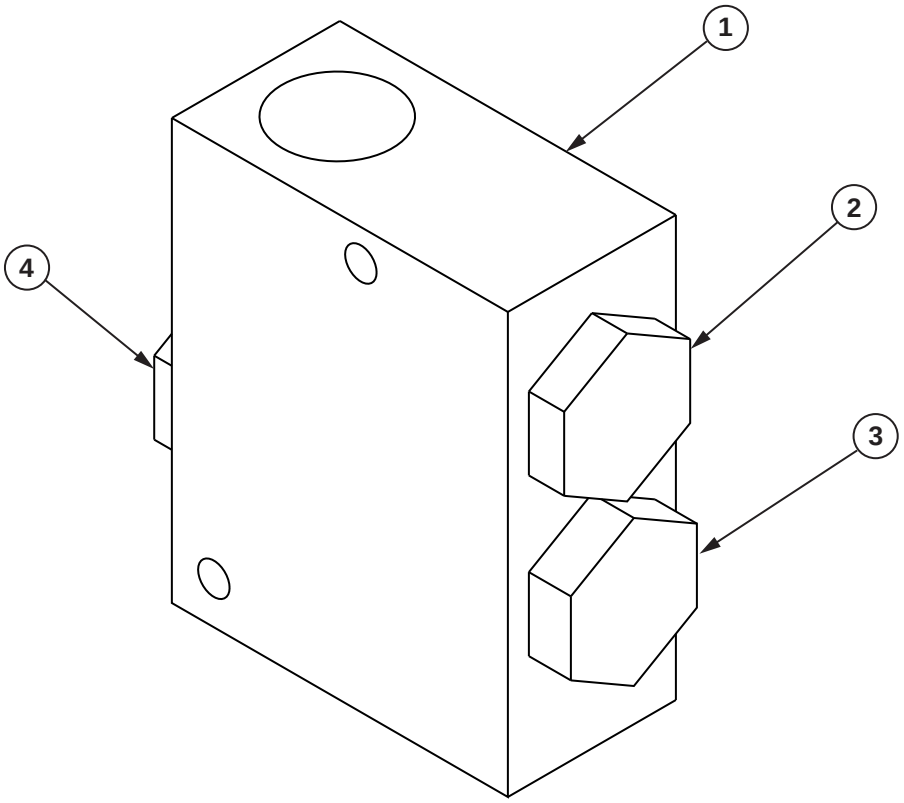
REF. NO.	PART NO.	DESCRIPTION	QTY.
1		COVER, Outlet	1
2	710218	TUBE	4
3	710229	KIT, Spool, Carrier (Includes Spool, KO Assembly)	1
	710220	KIT, Spool, Packer (Includes Spool, KO Assembly)	1
4	710227	CAP, Packer and Carrier Spools	2
5	710223	SCREW, Carrier and Packer Spools	4
6	710225	PLUG	2
7	710207	SCREW, Accessory Spool	2
8	710216	CAP, Accessory Spool	1
9	710192	BOLT, Retaining	1
10	710197	RETAINER, Spring Accessory Spool	2
11	710199	SPRING, Accessory Spool	1
12	710214	PLATE, Retainer	1
13	709787	KIT, Spool, Accessory (Includes Spool, Spring, Seals)	1
14		COVER, Inlet	1
15	709779	ASSEMBLY, Stud, 2 Section	4
	709780	ASSEMBLY, Stud, 3 Section	4
	709781	ASSEMBLY, Stud, 4 Section	4
16	709782	SECTION, Valve (Accessory)	AR
	709794	KIT, Seal (Accessory Section)	AR
	703700	CARTRIDGE, Port Relief, 1700 PSI (Not Shown)	1
17	709790	SEAL, Spool (2 per Spool)	AR
18	709791	RING, Back Up (2 per Spool)	AR
19	710212	PLATE, Retainer	1
20	710777	BOOT	1
	710188	SCREW	2
	710190	PLATE, Retainer	1
21	709783	SECTION, Valve (Packer)	1
	709795	KIT, Seal (Packer Section)	1
22	709784	SECTION, Valve (Carrier)	1
	709795	KIT, Seal (Carrier Section)	1
23	709876	CARTRIDGE, Port Relief, 3700 PSI (Packer)	1
	703874	VALVE, Main Control, 2 Section	1
	703872	VALVE, Main Control, 3 Section	1
	703870	VALVE, Main Control, 4 Section	1

VALVE - TIPPER DIVERTER



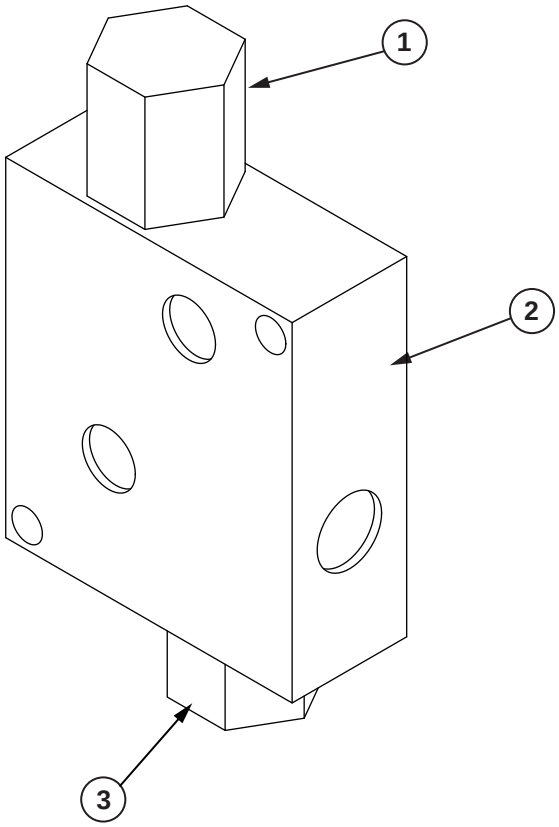
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	705522	VALVE, Diverter, Single Tipper (Does Not Include Item 2)	1
2	705526	CARTRIDGE, Flow, 1.4 to 1.7 GPM	AR
	705528	CARTRIDGE, Flow, 2.5 to 3.5 GPM	AR
3	705524	VALVE, Diverter, Dual Tippers (Does Not Include Item 2)	1

CROSSOVER CHECK VALVE - 700290



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	700290	VALVE, Crossover Check	1
2	606086	CARTRIDGE, Check, 5 PSI	1
3	NSS	PLUG, SAE 16	1
4	606087	CARTRIDGE, Check, 60 PSI	1

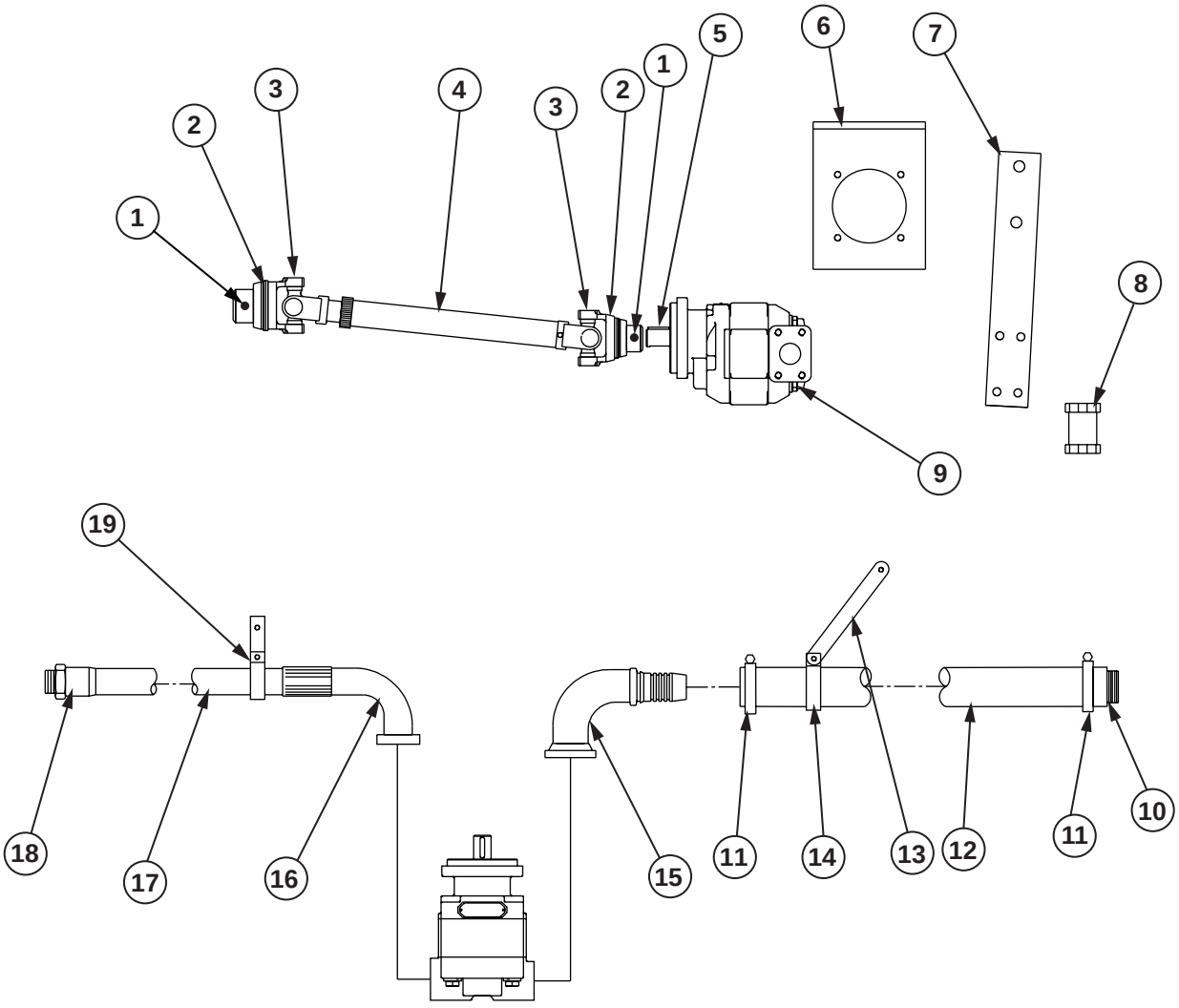
CONTAINER LIFT CYLINDER FLOW VALVE - 306073



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	602895	CARTRIDGE, Flow Control, Extend	1
2	NSS	BODY, Valve	1
3	940112	CARTRIDGE, Flow Control, Retract	1
	306073	ASSEMBLY, Valve, With Cartridges	1

SECTION 6

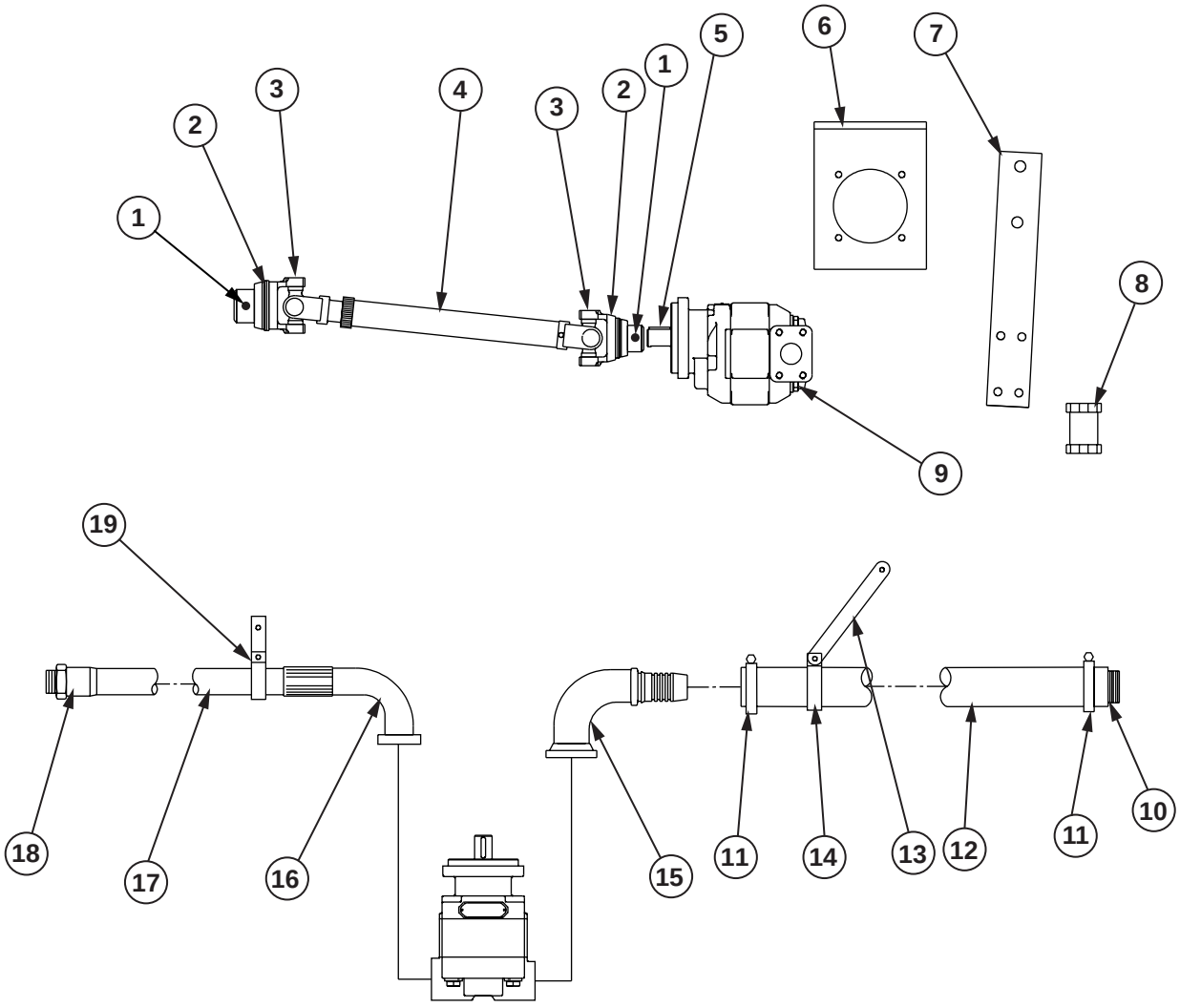
REMOTE PUMP INSTALLATION - 706985
CLOCKWISE ROTATION



REMOTE PUMP INSTALLATION - 706985
CLOCKWISE ROTATION

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	F4730	SET SCREW, 3/8” X 3/8” UNC	2
2	100002	YOKE	2
3	100878	KIT, Journal and Bearing	2
4	36717	SHAFT, Unwelded (Does Not Include Item 2)	1
	106457	ASSEMBLY, Driveshaft, Heavy Duty, Unwelded (Includes Items 2, 3 and 4)	1
5	J0139	KEY	2
6	18400	BRACKET, Pump, Foot Mount	1
	F1037	CAPSCREW, 1/2” X 2” UNC	4
	F3350	NUT, 1/2” UNC	4
	F7975	WASHER, Lock, 1/2”	4
7	P-16-470-1	BRACKET, Mounting, 15”	1
	F1037	CAPSCREW, 1/2” X 2” UNC	4
	F3350	NUT, 1/2” UNC	4
	F7975	WASHER, Lock, 1/2”	4
8	P-16-1147	WELDMENT, Pump Bracket	1
9	705911	PUMP, Clockwise Rotation	1
10	SR-8580	ADAPTER, Suction Hose	1
11	17913	CLAMP, Hose	2
12	J0132	HOSE, Suction, 2” ID	AR
13	209230	BRACKET	2
	F4375	CAPSCREW, 5/16” X 2” UNC, Square Head	2
	F2850	NUT, 5/16” UNC	2
	F7200	WASHER, Flat, 5/16”	2
	F7775	WASHER, Lock, 5/16”	2
14	302635	CLAMP	2
	F4350	MACHINE SCREW, 1/4” X 2 3/4” UNC	2
	F2740	NUT, 1/4” UNC	2
	F7100	WASHER, Flat, 1/4”	2
	F7750	WASHER, Lock, 1/4”	2
15	101242	ELBOW, 2” Hose, 2” Flange	1
	101240	KIT, Flange	1
16	706752	ELBOW, 1 1/2” Flange	1
	106350	KIT, Flange	1
17	109191	HOSE, 1”	AR
	17627	GUARD, Hose	AR
18	705269	FITTING, Hose # 16 ORFS	1
	706610	O-RING, # 16 ORFS	1
		NOTE: Items 15 Through 18 are **Not** Assembled. Before Ordering Pressure Hose, **Verify Length** and Contact Leach Customer Support Service Department to Have Hose Assembled.	
19	TW-1116-2	SUPPORT, Hose	1
	F4375	CAPSCREW, 5/16” X 2” UNC, Square Head	1
	F2850	NUT, 5/16” UNC	1
	F7200	WASHER, Flat, 5/16”	1
	F7775	WASHER, Lock, 5/16”	1
	F4350	MACHINE SCREW, 1/4” X 2 3/4” UNC	1
	F2740	NUT, 1/4” UNC	1
	F7100	WASHER, Flat, 1/4”	1
	F7750	WASHER, Lock, 1/4”	1

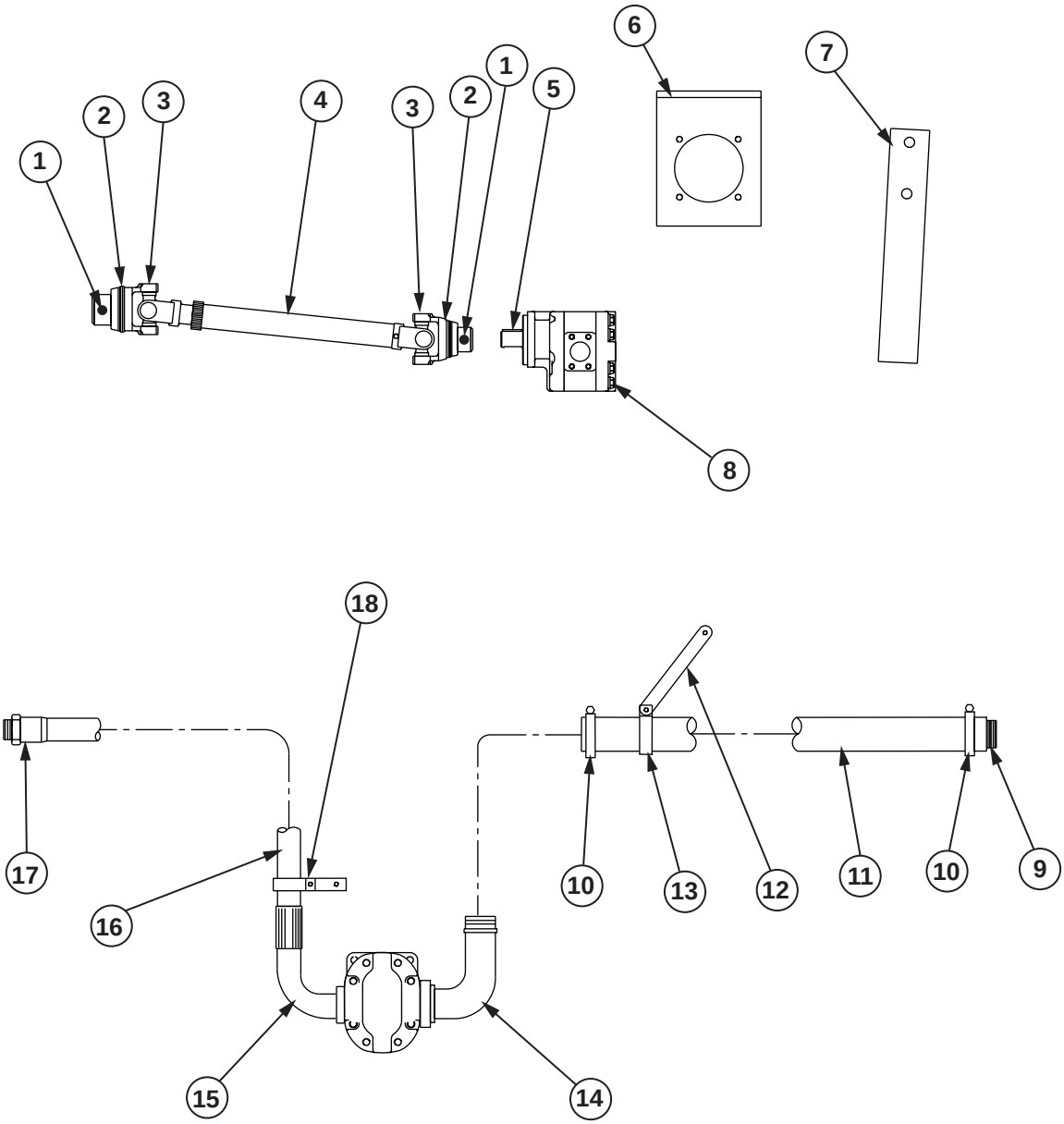
REMOTE PUMP INSTALLATION - 709338
COUNTER CLOCKWISE ROTATION



REMOTE PUMP INSTALLATION - 709338
COUNTER CLOCKWISE ROTATION

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	F4730	SET SCREW, 3/8” X 3/8” UNC	2
2	100002	YOKE	2
3	100878	KIT, Journal and Bearing	2
4	36717	SHAFT, Unwelded (Does Not Include Item 2)	1
	106457	ASSEMBLY, Driveshaft, Heavy Duty, Unwelded (Includes Items 2, 3 and 4)	1
5	J0139	KEY	2
6	18400	BRACKET, Pump, Foot Mount	1
	F1037	CAPSCREW, 1/2” X 2” UNC	4
	F3350	NUT, 1/2” UNC	4
	F7975	WASHER, Lock, 1/2”	4
7	P-16-470-1	BRACKET, Mounting, 15”	1
	F1037	CAPSCREW, 1/2” X 2” UNC	4
	F3350	NUT, 1/2” UNC	4
	F7975	WASHER, Lock, 1/2”	4
8	P-16-1147	WELDMENT, Pump Bracket	1
9	705754	PUMP, Counter Clockwise Rotation	1
10	SR-8580	ADAPTER, Suction Hose	1
11	17913	CLAMP, Hose	2
12	J0132	HOSE, Suction, 2” ID	AR
13	209230	BRACKET	2
	F4375	CAPSCREW, 5/16” X 2” UNC, Square Head	2
	F2850	NUT, 5/16” UNC	2
	F7200	WASHER, Flat, 5/16”	2
	F7775	WASHER, Lock, 5/16”	2
14	302635	CLAMP	2
	F4350	MACHINE SCREW, 1/4” X 2 3/4” UNC	2
	F2740	NUT, 1/4” UNC	2
	F7100	WASHER, Flat, 1/4”	2
	F7750	WASHER, Lock, 1/4”	2
15	101242	ELBOW, 2” Hose, 2” Flange	1
	101240	KIT, Flange	1
16	706752	ELBOW, 1 1/2” Flange	1
	106350	KIT, Flange	1
17	109191	HOSE, 1”	AR
	17627	GUARD, Hose	AR
18	705269	FITTING, Hose # 16 ORFS	1
	706610	O-RING, # 16 ORFS	1
		NOTE: Items 15 Through 18 are **Not** Assembled. Before Ordering Pressure Hose, **Verify Length** and Contact Leach Customer Support Service Department to Have Hose Assembled.	
19	TW-1116-2	SUPPORT, Hose	1
	F4375	CAPSCREW, 5/16” X 2” UNC, Square Head	1
	F2850	NUT, 5/16” UNC	1
	F7200	WASHER, Flat, 5/16”	1
	F7775	WASHER, Lock, 5/16”	1
	F4350	MACHINE SCREW, 1/4” X 2 3/4” UNC	1
	F2740	NUT, 1/4” UNC	1
	F7100	WASHER, Flat, 1/4”	1
	F7750	WASHER, Lock, 1/4”	1

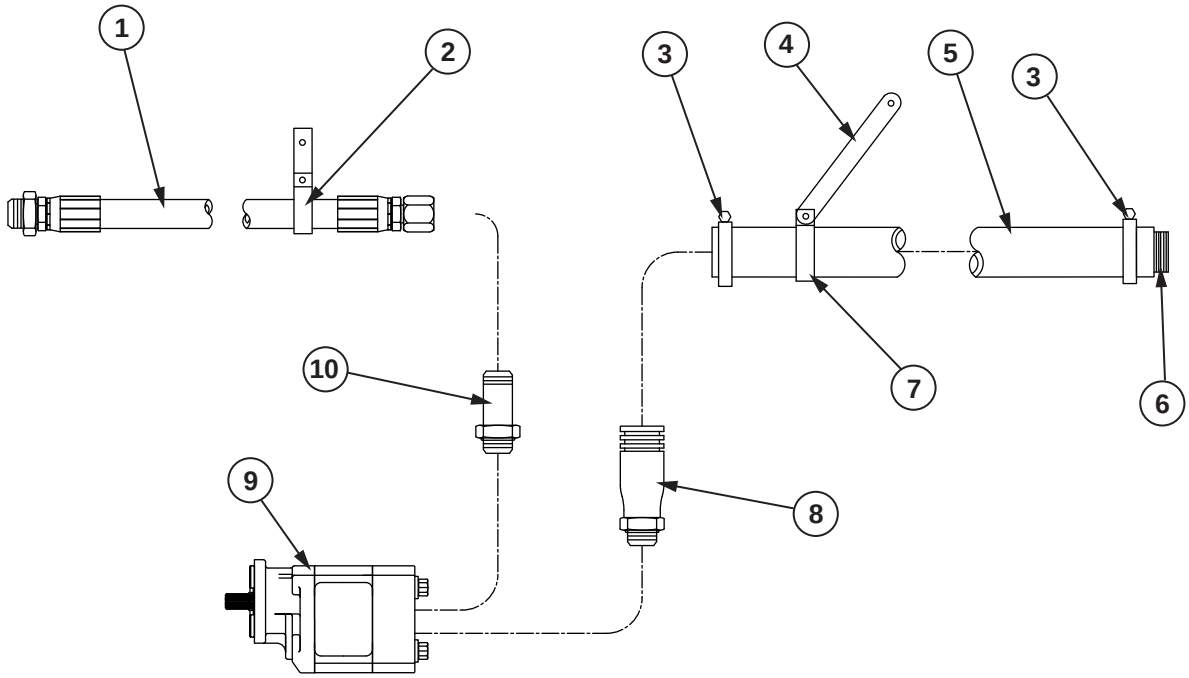
REMOTE PUMP INSTALLATION - 707821, P-75
COUNTER CLOCKWISE ROTATION



REMOTE PUMP INSTALLATION - 707821, P-75 COUNTER CLOCKWISE ROTATION

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	F4730	SET SCREW, 3/8” X 3/8” UNC	2
2	100002	YOKE	2
3	100878	KIT, Journal and Bearing	2
4	36717	SHAFT, Unwelded (Does Not Include Item 2)	1
	106457	ASSEMBLY, Driveshaft, Heavy Duty, Unwelded (Includes Items 2, 3 and 4)	1
5	J0139	KEY	2
6	18400	BRACKET, Pump, Foot Mount	1
	F1037	CAPSCREW, 1/2” X 2” UNC	4
	F3350	NUT, 1/2” UNC	4
	F7975	WASHER, Lock, 1/2”	4
7	P-16-470-2	BRACKET, Mounting, 15”	1
	F1037	CAPSCREW, 1/2” X 2” UNC	4
	F3350	NUT, 1/2” UNC	4
	F7975	WASHER, Lock, 1/2”	4
8	40666	PUMP, Counter Clockwise Rotation	1
9	SR-8580	ADAPTER, Suction Hose	1
10	17913	CLAMP, Hose	2
11	J0132	HOSE, Suction, 2” ID	AR
12	209230	BRACKET	2
	F4375	CAPSCREW, 5/16” X 2” UNC, Square Head	2
	F2850	NUT, 5/16” UNC	2
	F7200	WASHER, Flat, 5/16”	2
	F7775	WASHER, Lock, 5/16”	2
13	302635	CLAMP	2
	F4350	MACHINE SCREW, 1/4” X 2 3/4” UNC	2
	F2740	NUT, 1/4” UNC	2
	F7100	WASHER, Flat, 1/4”	2
	F7750	WASHER, Lock, 1/4”	2
14	101242	ELBOW, 2” Hose, 2” Flange	1
	101240	KIT, Flange	1
15	109192	ELBOW, 1 1/2” Flange	1
	101239	KIT, Flange	1
16	109191	HOSE, 1”	AR
	17627	GUARD, Hose	AR
17	705269	FITTING, Hose # 16 ORFS	1
	706610	O-RING, # 16 ORFS	1
		NOTE: Items 15 Through 17 are **Not** Assembled. Before Ordering Pressure Hose, **Verify Length** and Contact Leach Customer Support Service Department to Have Hose Assembled.	
18	TW-1116-2	SUPPORT, Hose	1
	F4375	CAPSCREW, 5/16” X 2” UNC, Square Head	1
	F2850	NUT, 5/16” UNC	1
	F7200	WASHER, Flat, 5/16”	1
	F7775	WASHER, Lock, 5/16”	1
	F4350	MACHINE SCREW, 1/4” X 2 3/4” UNC	1
	F2740	NUT, 1/4” UNC	1
	F7100	WASHER, Flat, 1/4”	1
	F7750	WASHER, Lock, 1/4”	1

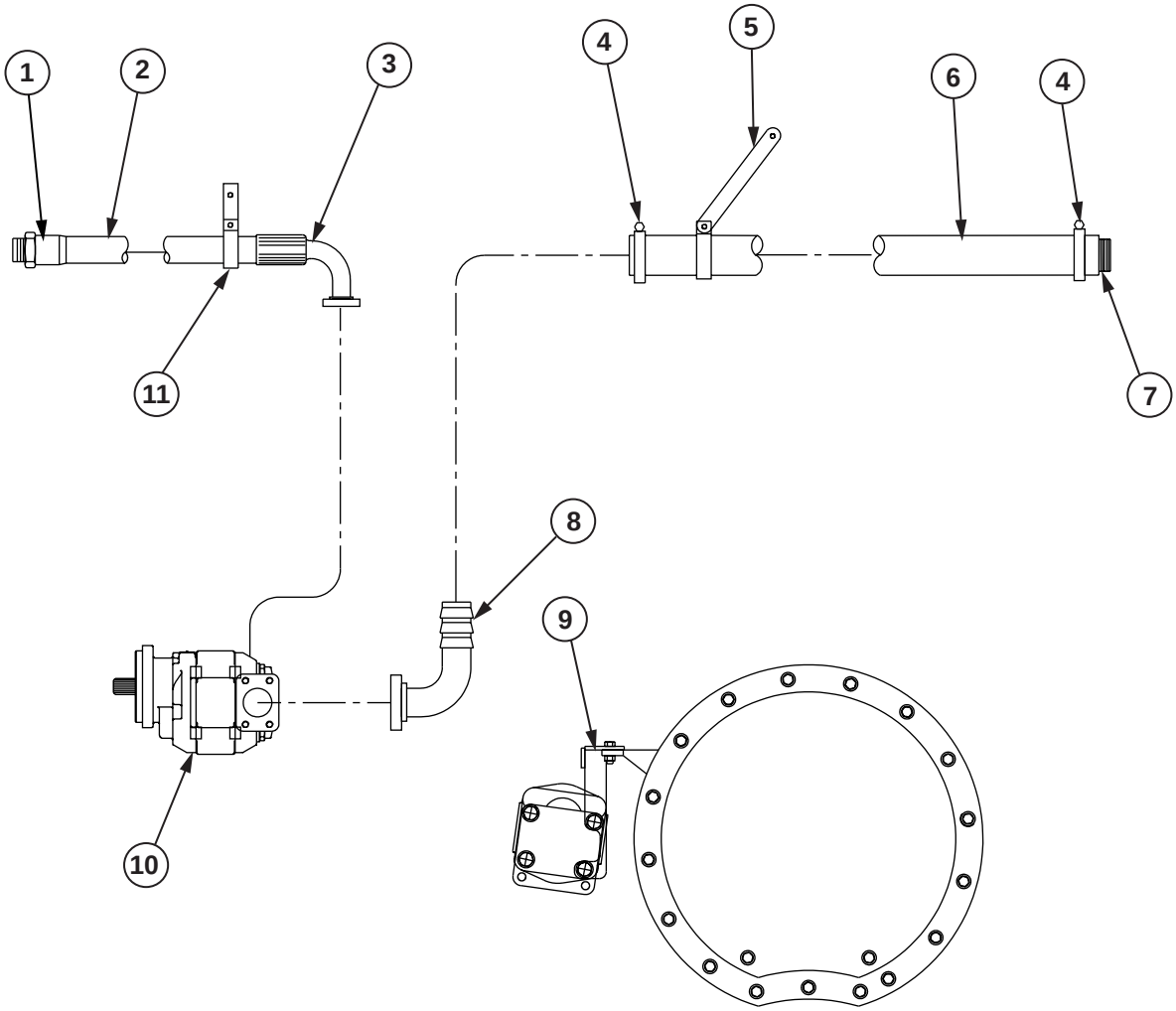
MARRIED PTO PUMP MOUNTING - 705271
COMMERCIAL P-50 WITH REAR PORTS



MARRIED PTO PUMP MOUNTING - 705271
COMMERCIAL P-50 WITH REAR PORTS

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	109191	HOSE, Pressure	AR
	17627	GUARD, Hose	1
	705269	FITTING, Hose, # 16 ORFS	1
	706610	O-RING, # 16 ORFS	1
	601490	COUPLING, Hose, JIC Female	1
		NOTE: The Above Items Are **Not** Assembled. Before Ordering Pressure Hose, **Verify Length** and Contact Leach Customer Support Service Department to Have Hose Assembled.	
2	TW-1116-2	SUPPORT, Hose	1
	F4350	MACHINE SCREW, 1/4” X 2 3/4” UNC	3
	F7745	WASHER, Internal/External Tooth Lock	3
	F2725	NUT, 1/4” UNC	3
	F0400	CAPSCREW, 3/8” X 1 3/4” UNC	3
	F7250	WASHER, Flat, 3/8”	3
	F2975	NUT, 3/8” UNC	3
3	17913	CLAMP, Hose	2
4	209230	BRACKET	2
	F4350	MACHINE SCREW, 1/4” X 2 3/4” UNC	3
	F7745	WASHER, Internal/External Tooth Lock	3
	F2725	NUT, 1/4” UNC	3
	F0400	CAPSCREW, 3/8” X 1 3/4” UNC	3
	F7250	WASHER, Flat, 3/8”	3
	F2975	NUT, 3/8” UNC	3
5	J0132	HOSE, Suction, 2”	AR
6	SR-8580	ADAPTER	1
7	302635	CLAMP, Hose	2
8	P-16-1114	ADAPTER	1
	16101	O-RING	1
9	106837	PUMP, Commercial P-50, Rear Ports	1
10	100404	ADAPTER	1
	16101	O-RING	1

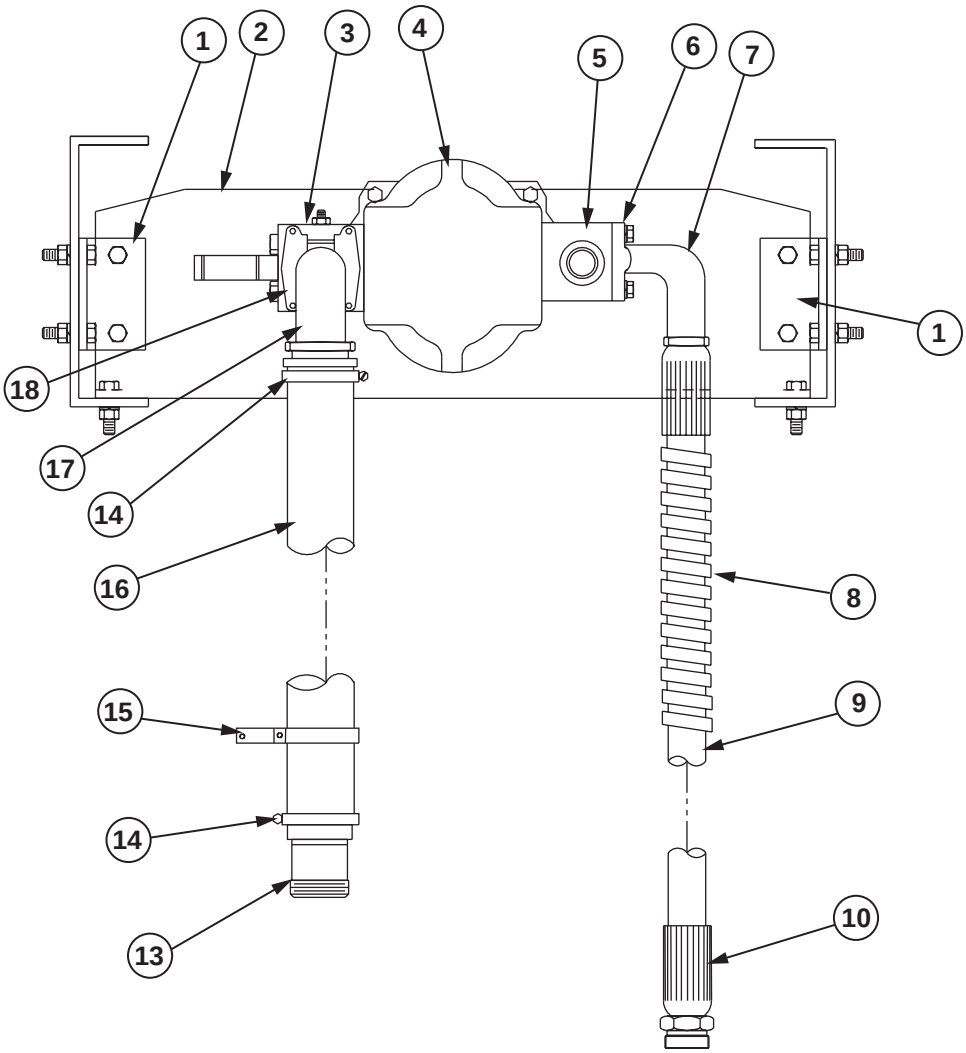
MARRIED PTO PUMP INSTALLATION - 709722 COMMERCIAL P-350 WITH SIDE PORTS

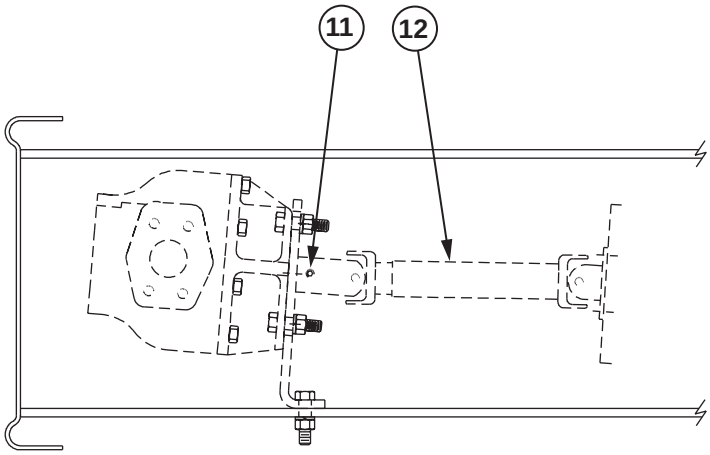


MARRIED PTO PUMP INSTALLATION - 709722
COMMERCIAL P-350 WITH SIDE PORTS

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	705269	FITTING, Hose, # 16 ORFS	1
	706610	O-RING, # 16 ORFS	1
2	109191	HOSE, 1”	AR
	17627	GUARD, Hose	AR
3	109192	FITTING, Hose, Flange	1
	101239	KIT, Flange	1
		NOTE: Items 1 Through 3 Are **Not** Assembled. Before Ordering Pressure Hose, **Verify Length** and Contact Leach Customer Support Service Department to Have Hose Assembled.	
4	17913	CLAMP, Hose	2
5	209230	BRACKET	2
	F4350	MACHINE SCREW, 1/4” X 2 3/4” UNC	2
	F2725	NUT, 1/4” UNC	2
	F7745	WASHER, Lock	2
	F0400	CAPSCREW, 3/8” X 1 3/4” UNC	2
	F2975	NUT, 3/8” UNC	2
	F7250	WASHER, Flat, 3/8”	2
6	J0132	HOSE, Suction, 2” ID	AR
7	SR-8580	ADAPTER	1
8	101242	ELBOW	1
	101240	KIT, Flange	1
9	606258	BRACKET, Support	1
	F0819	CAPSCREW, 7/16” X 1 1/2” UNC	1
	F3210	NUT, 7/16” UNC	1
	F7300	WASHER, Flat, 7/16”	1
10	705223	PUMP, Commercial P-350, With Side Ports	1
11	TW-1116-2	SUPPORT, Hose	1
	F4350	MACHINE SCREW, 1/4” X 2 3/4” UNC	1
	F2725	NUT, 1/4” UNC	1
	F7745	WASHER, Lock	1
	F0400	CAPSCREW, 3/8” X 1 3/4” UNC	1
	F2975	NUT, 3/8” UNC	1
	F7250	WASHER, Flat, 3/8”	1

FRONT PUMP INSTALLATION - 705315, P-75

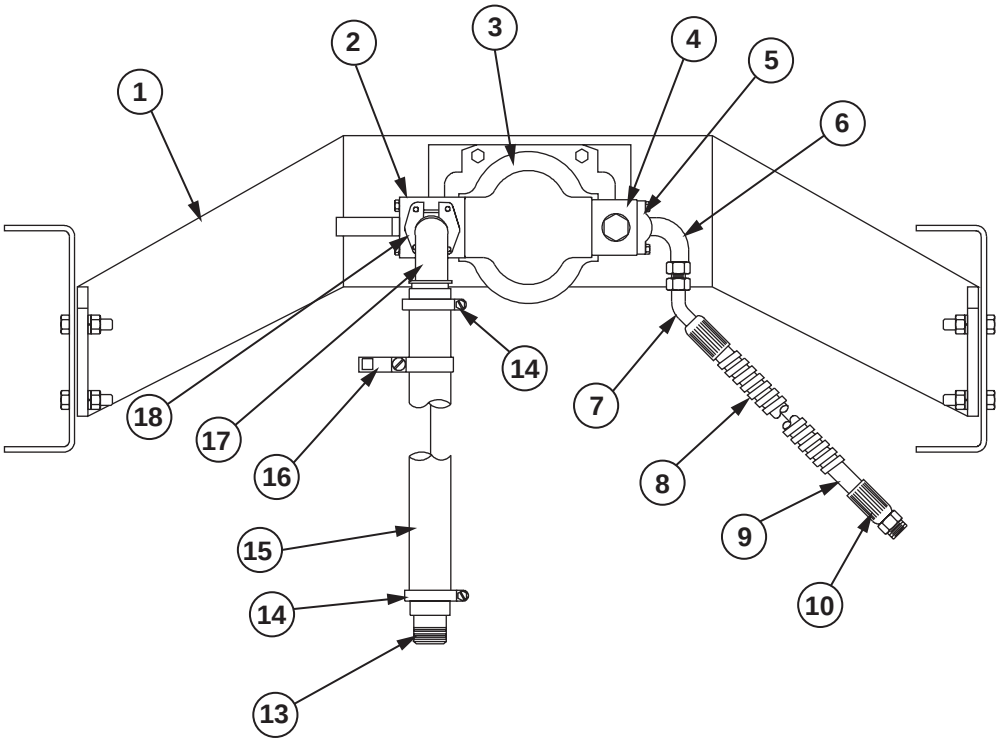




FRONT PUMP INSTALLATION - 705315, P-75

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	208480	BRACKET, Pump Plate Mount	2
	F1037	CAPSCREW, 1/2” X 2” UNC	8
	F3350	NUT, 1/2” UNC	8
	F7975	WASHER, Lock, 1/2”	8
2	305070	PLATE, Pump Mount	1
	F1037	CAPSCREW, 1/2” X 2” UNC	2
	F3350	NUT, 1/2” UNC	2
	F7975	WASHER, Lock, 1/2”	2
3	41058	KIT, Dry Valve (Includes The Following Items)	1
	35753	DRY VALVE	1
	35755	ASSEMBLY, Bypass Hose (Not Shown)	1
	38148	FLOW REGULATOR	1
	25952	CYLINDER, Air	1
	109091	O-RINGS, Dry Valve To Pump	1
4	40666	PUMP, Commercial P-75	1
5	38148	FLOW REGULATOR	1
6	101239	KIT, Flange	1
	F0827	CAPSCREW, 7/16” X 3 1/2” UNC	4
	F7950	WASHER, Lock, 7/16”	4
7	109192	FITTING, Hose, 1 1/2” Flange	1
8	17627	GUARD, Hose	AR
9	109191	HOSE, 1” ID	AR
10	705269	FITTING, # 16 ORFS	1
	706610	O-RING, # 16 ORFS	1
		NOTE: Items 7,8,9 and 10 Are **Not** Assembled. Before Ordering Pressure Hose, **Verify Length** and Contact Leach Customer Support Service Department to Have Hose Assembled.	
11	F4730	SCREW, Set, 3/8” X 3/8” UNC	1
12	300109	ASSEMBLY, Drive Shaft, Un-welded, Includes The Following Items	1
	36717	SHAFT, Un-welded, With U-joints	1
	100004	YOKE, Flange (Engine Side)	1
	100002	YOKE, Pump Side	1
	1218	KEY	1
13	SR-8580	ADAPTER, Suction Hose	1
14	17913	CLAMP, Hose	2
15	TW-1116-2	SUPPORT, Hose	4
	F4375	MACHINE BOLT, 5/16” X 2” UNC	10
	F2850	NUT, 5/16” UNC	10
	F7775	WASHER, Lock, 5/16”	10
	F7200	WASHER, Flat, 5/16”	10
	F4350	MACHINE SCREW, 1/4” X 2 3/4” UNC	10
	F2740	NUT, 1/4” UNC	10
	F7100	WASHER, Flat, 1/4”	10
	F7750	WASHER, Lock, 5/16”	10
16	J0132	HOSE, 2” ID	AR
17	101242	ELBOW	1
18	101240	KIT, Flange	1

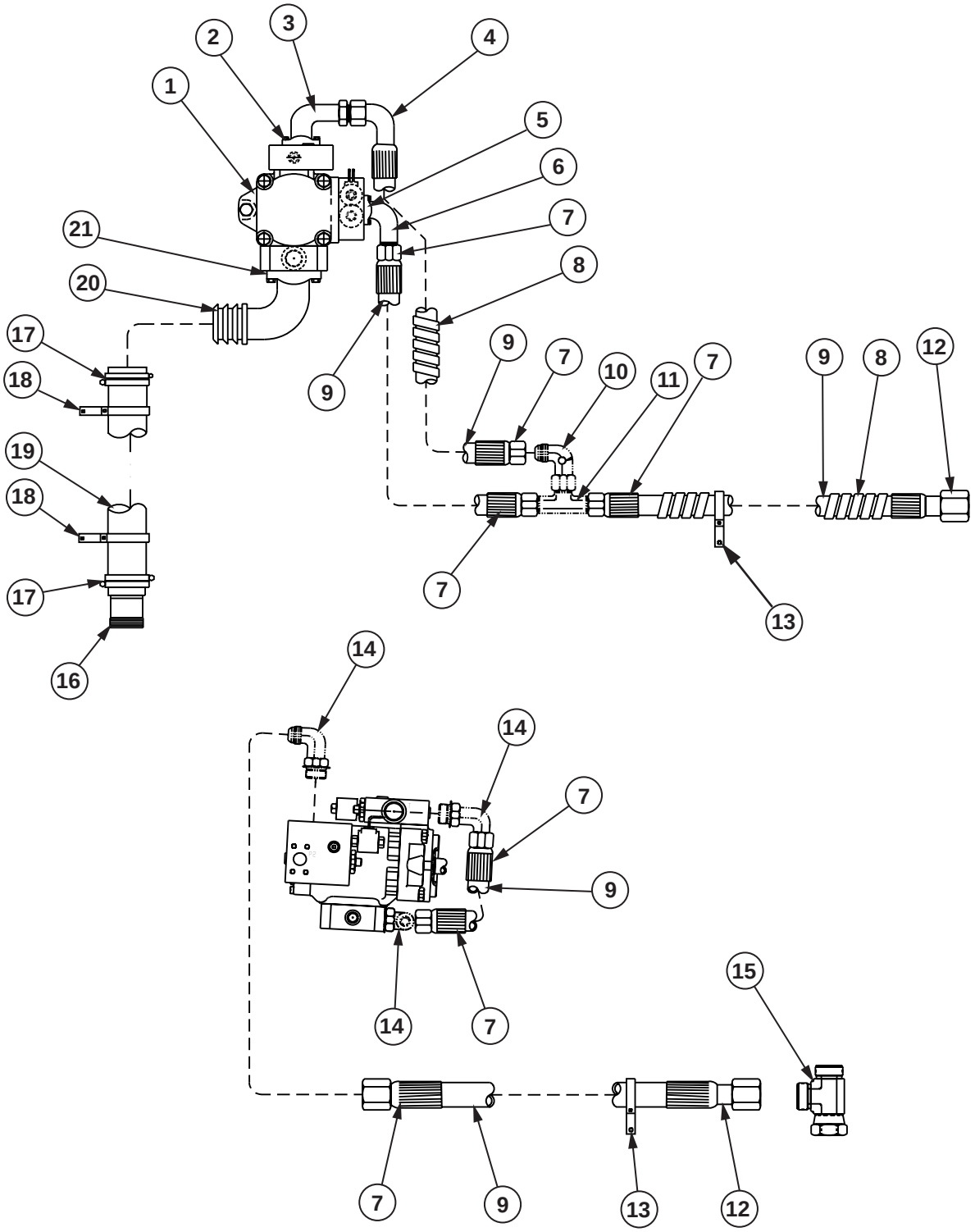
FRONT PUMP INSTALLATION - 704458, P-75, MACK



FRONT PUMP INSTALLATION - 704458, P-75, MACK

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	601907	PLATE, Pump Mount	1
	F1037	CAPSCREW, 1/2" X 2" UNC	8
	F3350	NUT, 1/2" UNC	8
	F7975	WASHER, Lock, 1/2"	8
2	41058	KIT, Dry Valve (Includes The Following Items)	1
	35753	DRY VALVE	1
	35755	ASSEMBLY, Bypass Hose (Not Shown)	1
	38148	FLOW REGULATOR	1
	25952	CYLINDER, Air	1
	109091	O-RINGS, Dry Valve To Pump	1
3	704457	PUMP, Commercial P-75	1
4	38148	FLOW REGULATOR	1
5	101239	KIT, Flange	1
	F5960	CAPSCREW, 7/16" X 3 1/2" UNC	4
	F7950	WASHER, Lock, 7/16"	4
6	103545	FITTING, Hose, 1 1/2" Flange	1
7	109193	FITTING	1
8	17627	GUARD, Hose	AR
9	109191	HOSE, 1" ID	AR
10	705269	FITTING, # 16 ORFS	1
	706610	O-RING, # 16 ORFS	1
		NOTE: Items 7, 8, 9 and 10 Are **Not** Assembled. Before Ordering Pressure Hose, **Verify Length** and Contact Leach Customer Support Service Department to Have Hose Assembled.	
11	F4730	SCREW, Set, 3/8" X 3/8" UNC	1
12	300109	ASSEMBLY, Drive Shaft, Un-welded, Includes The Following Items	1
	36717	SHAFT, Un-welded, With U-joints	1
	100004	YOKE, Flange (Engine Side)	1
	100002	YOKE, Pump Side	1
	1218	KEY	1
13	SR-8580	ADAPTER, Suction Hose	1
14	17913	CLAMP, Hose	2
15	J0132	HOSE, 2" ID	AR
16	TW-1116-2	SUPPORT, Hose	4
	F4375	MACHINE BOLT, 5/16" X 2" UNC	10
	F2850	NUT, 5/16" UNC	10
	F7775	WASHER, Lock, 5/16"	10
	F7200	WASHER, Flat, 5/16"	10
	F4350	MACHINE SCREW, 1/4" X 2 3/4" UNC	10
	F2740	NUT, 1/4" UNC	10
	F7100	WASHER, Flat, 1/4"	10
	F7750	WASHER, Lock, 5/16"	10
17	101242	ELBOW	1
18	101240	KIT, Flange	1

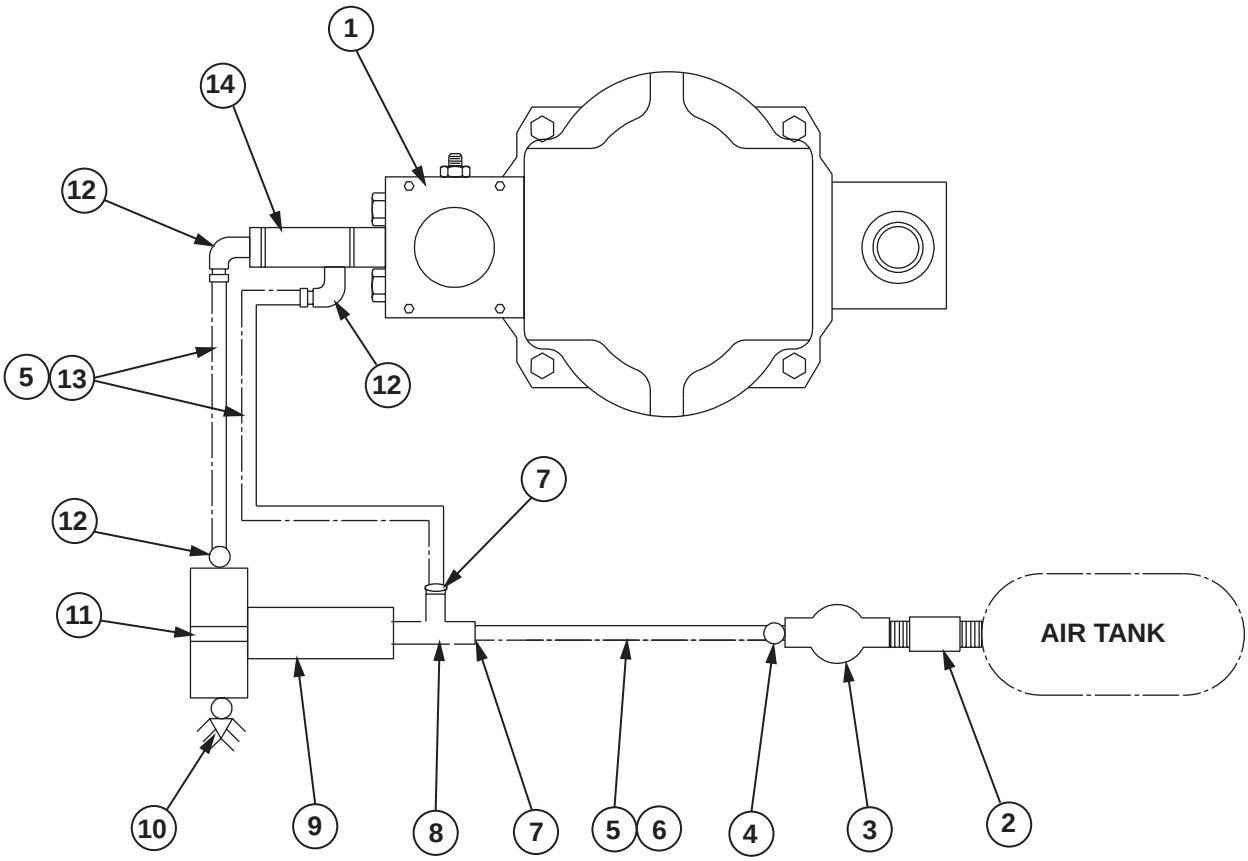
FRONT PUMP INSTALLATION - 707036
MUNCIE QUIET PAK



FRONT PUMP INSTALLATION - 707036
MUNCIE QUIET PAK

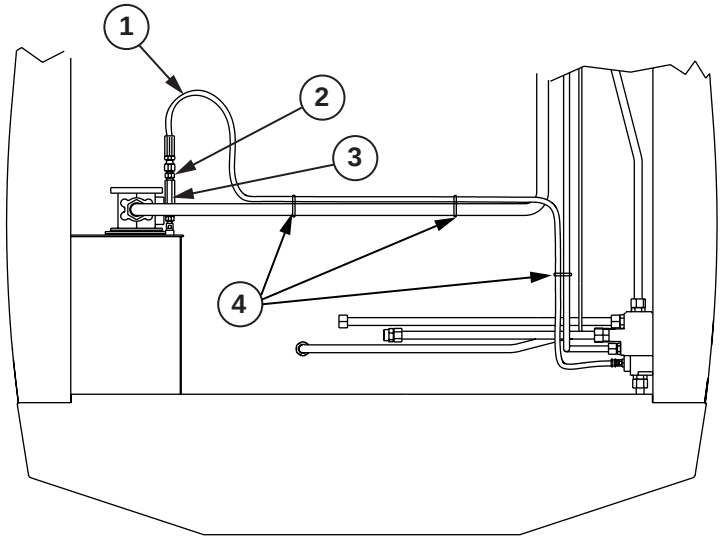
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	706993	PUMP, Muncie Quiet Pak	1
2	101239	KIT, Flange	1
3	103345	ELBOW	1
4	601490	FITTING	1
5	102574	KIT, Flange	1
6	102600	ADAPTER	1
7	109195	FITTING	7
8	17627	GUARD, Hose	AR
9	109191	HOSE, 1”	AR
10	202243	ELBOW	1
11	33447	TEE	1
12	706976	FITTING	2
		NOTE: Hose Items (4,7,9) (7,9) (7,9,12) Are **Not** Assembled. Before Ordering Pressure Hoses, **Verify Length** and Contact Leach Customer Support Service Department to Have Hose Assembled.	
13	203967	SUPPORT, Hose	4
	F4350	MACHINE SCREW, 1/4” X 2 3/4” UNC	4
	F2725	NUT, 1/4” UNC	4
	F7745	WASHER, Lock, 1/4”	4
	F0325	CAPSCREW, 3/8” X 1 1/4” UNC	4
	F2975	NUT, 3/8” UNC	4
	F7875	WASHER, Lock, 3/8”	4
14	18008	ELBOW	2
15	603277	TEE, # 16 ORFS	1
	706610	O-RING, # 16 ORFS	2
16	205367	ADAPTER, Suction Hose	1
17	104526	CLAMP	4
18	303893	SUPPORT, Suction Hose	4
	F4350	MACHINE SCREW, 1/4” X 2 3/4” UNC	4
	F7100	WASHER, Flat, 1/4”	4
	F7750	WASHER, Lock, 1/4”	4
	F4375	MACHINE SCREW, 5/16” X 2” UNC	4
	F2850	NUT, 5/16” UNC	4
	F7200	WASHER, Flat, 5/16”	4
	F7775	WASHER, Lock, 5/16”	4
19	104514	HOSE, Suction, 2 1/2” ID	AR
20	604604	ELBOW	1
21	603755	KIT, Flange	1

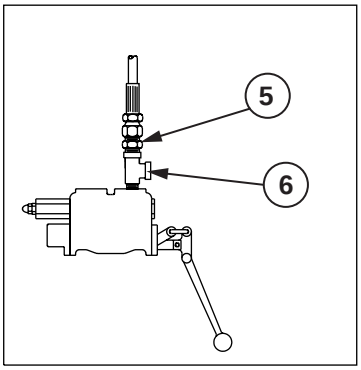
FRONT PUMP DRY VALVE INSTALLATION - 708944



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	41058	KIT, Dry Valve (Includes Item 14)	1
2	36860	NIPPLE, 1/4” X 1 3/8” NPT	1
3	30138	VALVE, Pressure Protection	1
4	38187	CONNECTOR	1
5	39923	TUBING	AR
6	J0136	LOOM, Flex, 5/16”	AR
7	39218	CONNECTOR	2
8	3750 X 2	TEE, 1/8” Pipe	1
9	105631	SOLENOID, Air, N.O.	1
10	39996	MUFFLER	1
11	18276	U-BOLT	1
12	108798	ELBOW	3
13	J0138	LOOM, Flex, 1/2”	AR
14	25952	CYLINDER, Air	1

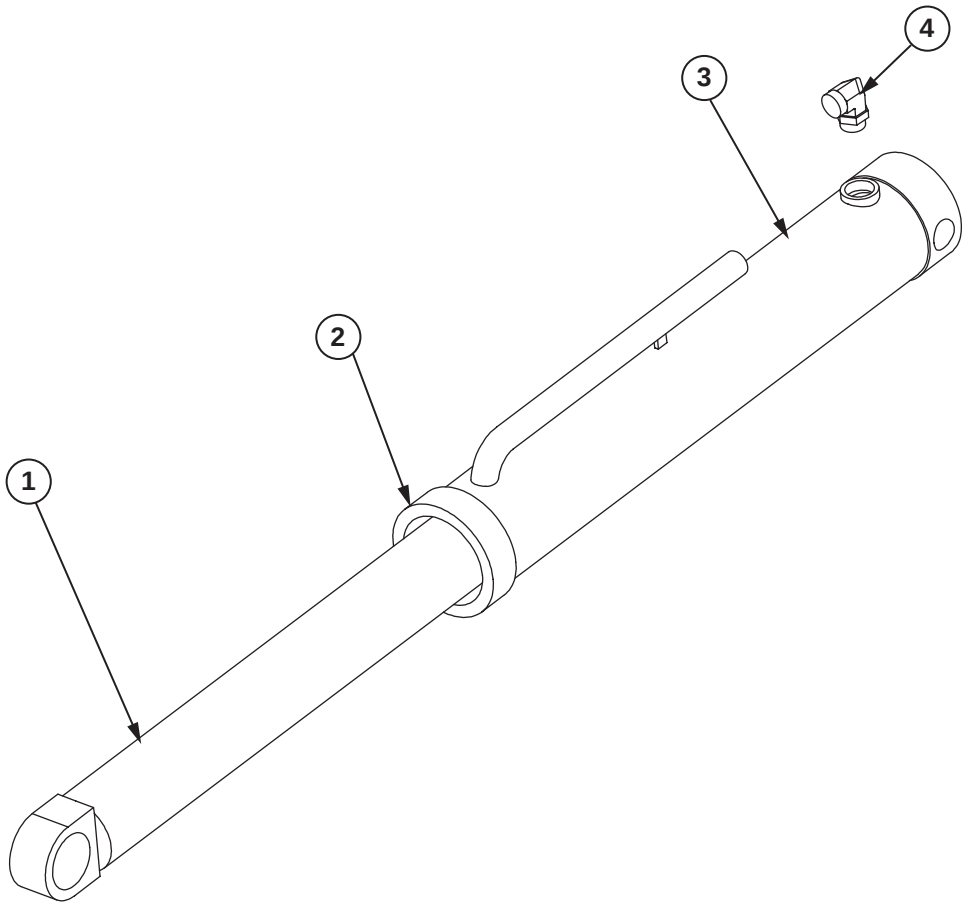
FRONT MOUNT PUMP FIXED FLOW VALVE INSTALLATION - 709406 (WATERMAN VALVE)





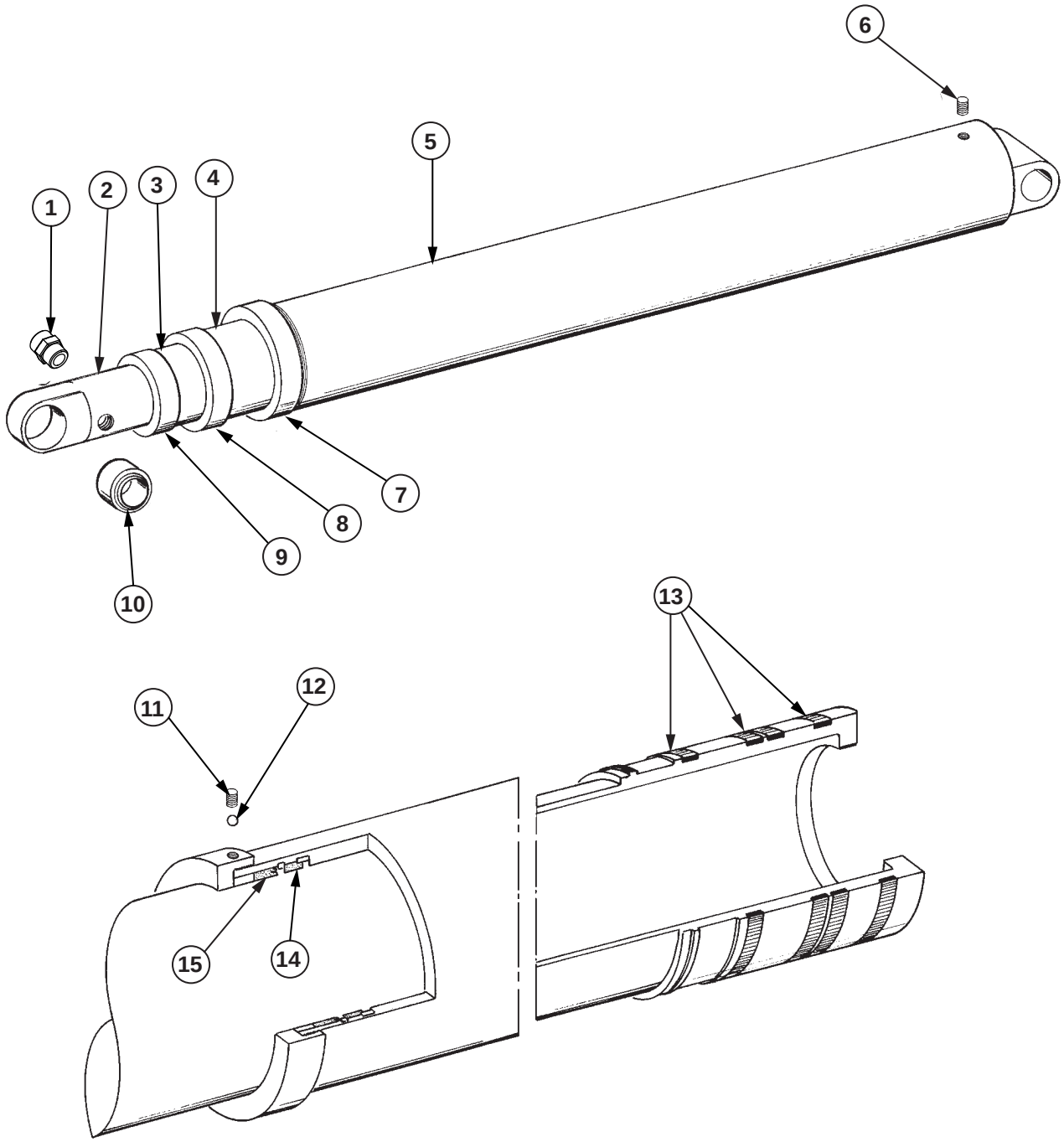
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	108748	ASSEMBLY, Hose	1
2	103563	CONNECTOR	1
3	100211	VALVE, 2.0 GPM Fixed Flow	1
4	18034	TY-RAP	3
5	102722	UNION	1
6	709335	TEE, # 6 ORFS	1
	706607	O-RING, # 6 ORFS	1

OPERATING CYLINDER - 703341



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	709911	ASSEMBLY, Rod	1
2	709913	GLAND	1
	709915	GLAND RETAINER	1
3	709909	ASSEMBLY, Barrel	1
4	603449	FITTING	1
	103081-20	O-RING, # 20 Straight Thread	1
	706611	O-RING, # 20 ORFS	2
	972088	KIT, Seal	1
	703341	ASSEMBLY, Cylinder	1

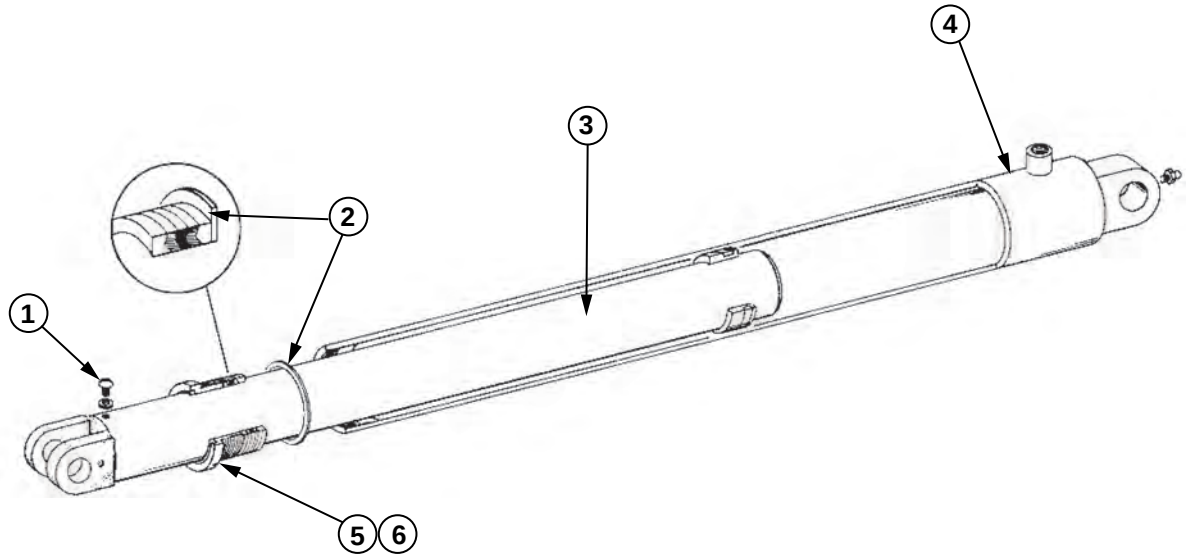
TELESCOPIC PUSH OUT CYLINDER



TELESCOPIC PUSH OUT CYLINDER

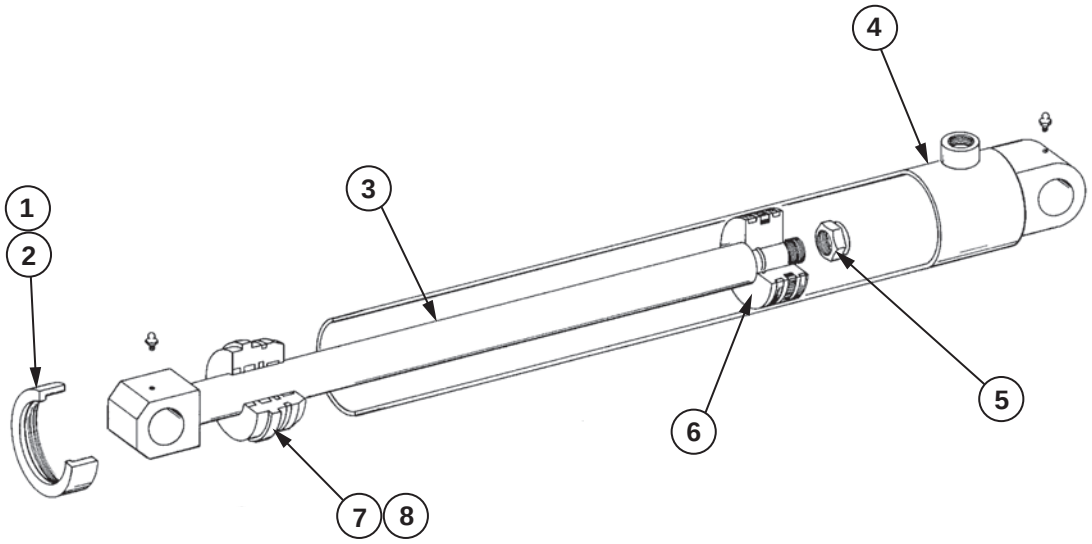
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	103134	FITTING	2
	103081-16	O-RING, # 16 Straight Thread	2
	706610	O-RING, # 16 ORFS	2
2		ASSEMBLY, Plunger, 20 Yard	1
		ASSEMBLY, Plunger, 25 Yard	1
		ASSEMBLY, Plunger, 29 Yard	1
		ASSEMBLY, Plunger, 32 Yard	1
3		ASSEMBLY, Sleeve, 1st, 20 and 25 Yard	1
		ASSEMBLY, Sleeve, 1st, 29 Yard	1
		ASSEMBLY, Sleeve, 1st, 32 Yard	1
4		ASSEMBLY, Sleeve, 2nd, 20 and 25 Yard	1
		ASSEMBLY, Sleeve, 2nd, 29 Yard	1
		ASSEMBLY, Sleeve, 2nd, 32 Yard	1
		ASSEMBLY, Sleeve, 3rd, 29 Yard	1
		ASSEMBLY, Sleeve, 3rd, 32 Yard	1
		ASSEMBLY, Sleeve, 4th, 32 Yard	1
5		CASE, 20 Yard	1
		CASE, 25 Yard	1
		CASE, 29 Yard	1
		CASE, 32 Yard	1
6	922034	KIT, Bleeder Screw and Gasket	1
7		NUT, Gland, 6”	1
8		NUT, Gland, 5”	1
9		NUT, Gland, 4”	1
		NUT, Gland, 3”	1
10	108874	BEARING	1
11	604655	SCREW, Set, 5/16” X 5/16” UNF	1
12	NSS	SLUG, Nylon (Included in Seal Kit)	1
13	604818	KIT, Seal, Major (Includes Wear Rings)	1
14		RING, Retaining, 1st Sleeve, 29 and 32 Yard	1
	922018	RING, Retaining, 1st Sleeve, 20 and 25 Yard 2nd Sleeve, 29 and 32 Yard	1
	922019	RING, Retaining, 2nd Sleeve, 20 and 25 Yard 3rd Sleeve, 29 and 32 Yard	1
	922020	RING, Retaining, Case, 20 and 25 Yard 4th Sleeve, 29 and 32 Yard	1
15	922016	KIT, Gland Seal	1
	708541	ASSEMBLY, Cylinder, 20 Yard	1
	708543	ASSEMBLY, Cylinder, 25 Yard	1
	708544	ASSEMBLY, Cylinder, 29 Yard	1
	708545	ASSEMBLY, Cylinder, 32 Yard	1

TAILGATE LIFT CYLINDER



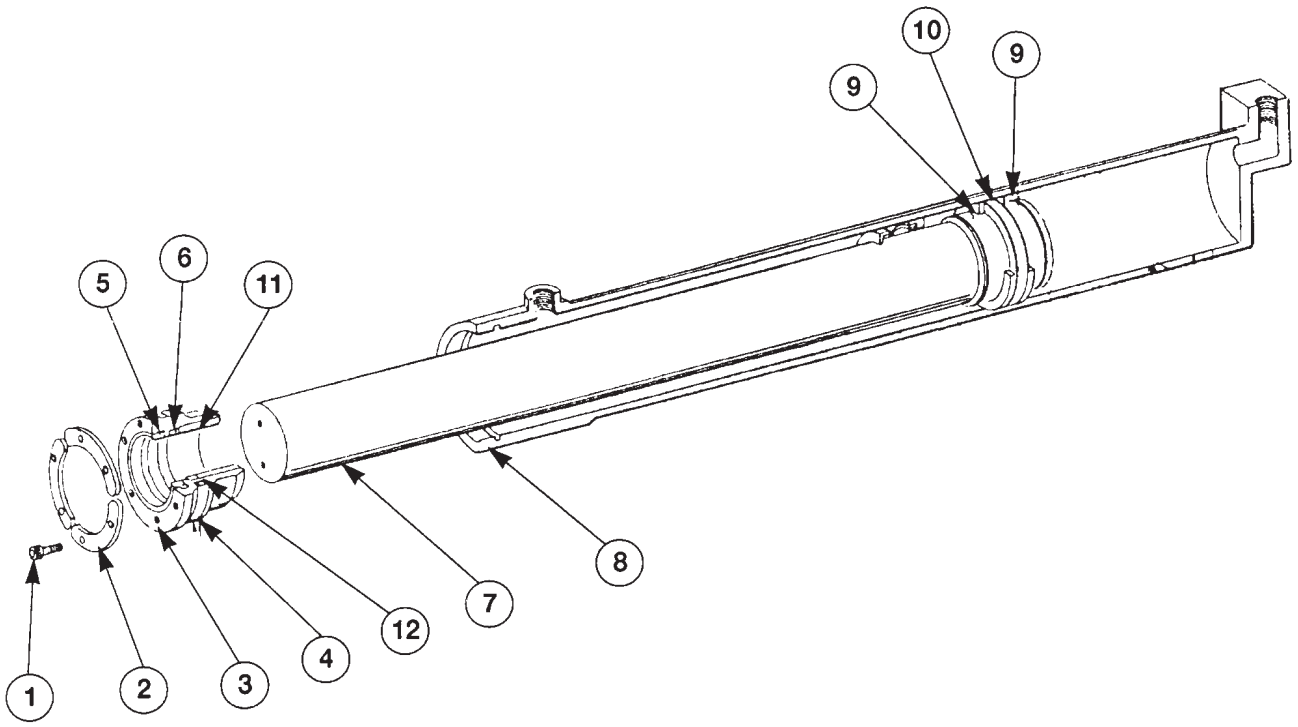
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	922034	KIT, Bleeder and Gasket	1
2	108969	RETAINING RING, Internal	1
3	108844	PLUNGER	1
4	701508	BARREL	1
5	108845	GLAND	1
6	108970	SET SCREW	1
	108842	KIT, Seal	1
	108848	TOOL, Feeder (Not Shown)	1
	701479	ASSEMBLY, Cylinder	2

CONTAINER DUMPING (HCA) CYLINDER - 407028



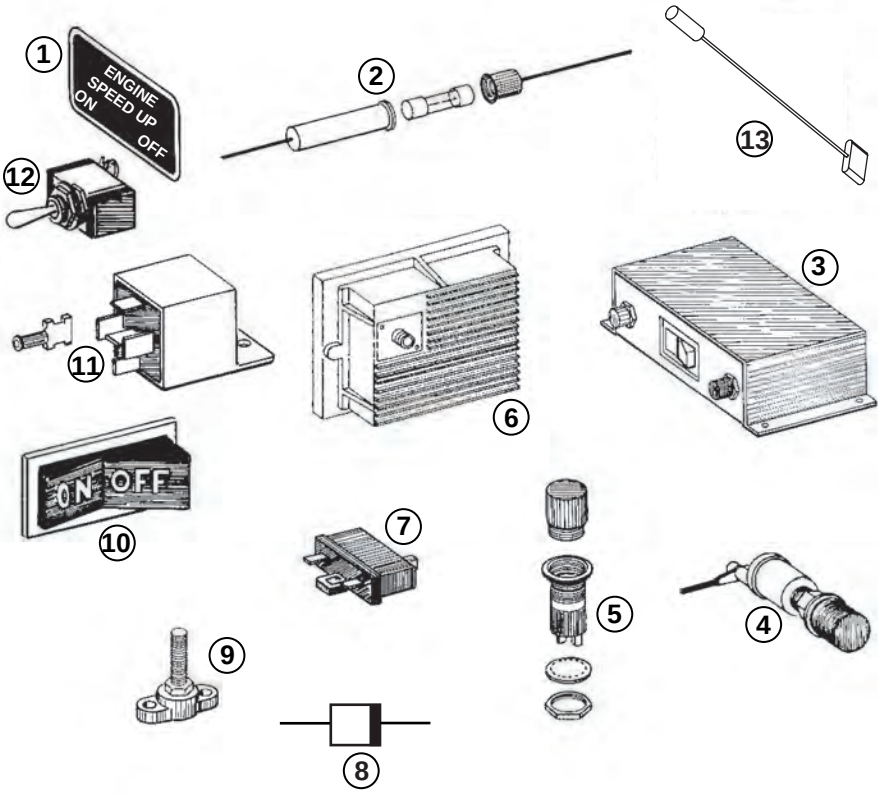
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	109015	NUT, Gland	1
2	F4725	SCREW, Set	1
3	109013	ROD	1
4	108843	BARREL	1
5	F4079	NUT, Nylock, 1 1/2” UNC	1
6	109016	PISTON	1
7	109014	HEAD, Gland	1
8	108955	RING, Retaining	1
	109030	KIT, Seal	1
	407028	ASSEMBLY, Cylinder	1

CONTAINER LIFTING DEVICE CYLINDER - 406582



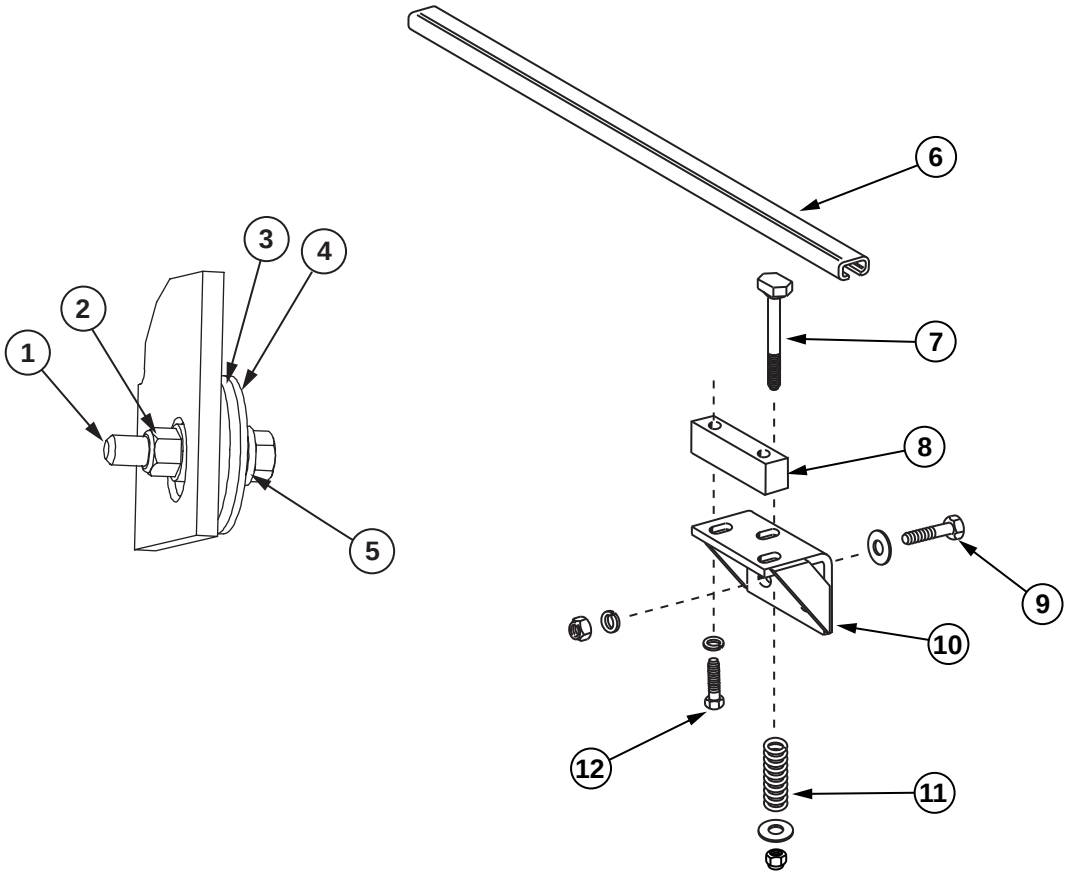
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	F5925	CAPSCREW, Socket Head, Nylock	6
2	PO-2295	SEGMENT, Lock	3
3	305167	HEAD, Gland	1
4	16155	O-RING, Head OD	1
5	107045	WIPER, Rod	1
6	106991	SEAL, Rod	1
7	405800	ROD, Piston	1
8	405925	CASE, Cylinder Weldment	1
9	106990	RING, Wear	2
10	106992	SEAL, Piston	1
11	106994	RING, Wear	1
12	107089	RING, Back Up	1
	107854	KIT, Repair (Includes Items 1, 4-6 and 9-12)	1
	406582	CYLINDER, Assembly	1

ELECTRICAL COMPONENTS



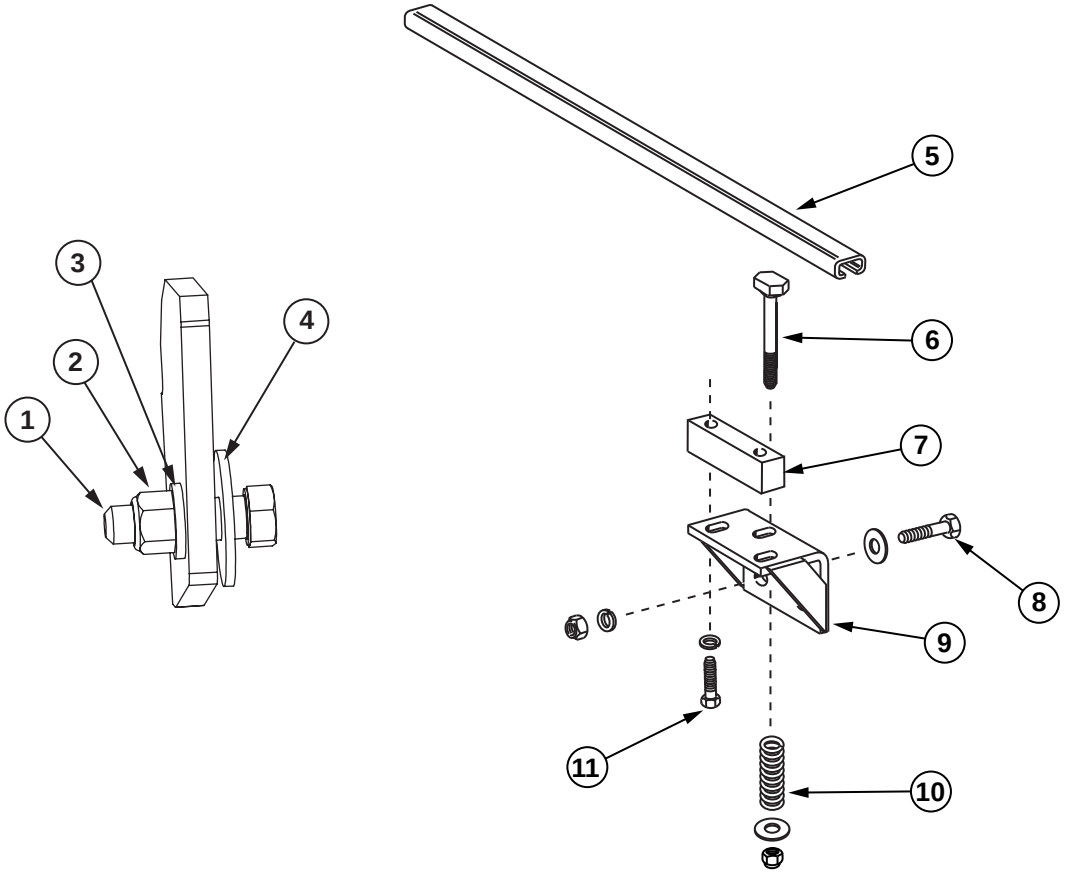
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	109059-01	DECAL, Engine Speed Up (Dashboard)	1
2	35865	HOLDER, Fuse (Glass Type Fuse)	1
	103157	HOLDER, Fuse (Spade Type Fuse)	1
3	100527	CONTROL, PTO/Overspeed (Chelsea)	1
4	707306	BUTTON, Speed Up	1
5	604802	LIGHT, Tailgate Ajar	1
6	103050	SWITCH, Overspeed (Muncie)	1
7	SK-2093	BUZZER	1
	604863	BUZZER, Dual Rate	1
8	604962	DIODE, 10 Amp (For Tailgate Ajar)	1
9	104372	BLOCK, Insulated Terminal	1
10	378881	SWITCH, Rocker	1
11	102118	RELAY	AR
12	SK-2092	SWITCH, Toggle (Black)	1
	604799	SWITCH, Toggle (Green)	1
	604798	SWITCH, Toggle (Amber)	1
13	704092	SWITCH, Proximity, Speed Up and Tailgate Ajar	2

MOUNTING HARDWARE (WITH FLOATING REAR MOUNT)



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	702020	PIVOT BOLT	2
2	100100	NUT, Lock, 1” UNC	2
3	701962	WELDMENT, Sleeve Plate	2
4	701966	SHIM 1/4"	AR
	701965	SHIM, 3/8"	AR
	701967	SHIM, 1/8"	AR
5	39966	WASHER	2
6	602416	RAIL, Mounting	2
7	603736	T-BOLT	2
	F3720	NUT, Lock, 3/4” UNC	2
	F7475	WASHER, Flat, 3/4”	2
8	603826	WELDMENT, Lateral Restraint	2
9	F7190	CAPSCREW, 3/4” X 2 1/2” UNC GR 8	4
	F3715	NUT, 3/4” UNC GR 8	4
	F7475	WASHER, Flat, 3/4”	4
	F8075	WASHER, Lock, 3/4”	4
10	604531	BRACKET, Front Body Mount	2
11	16107	SPRING, Mounting	2
12	F1382	CAPSCREW, 5/8” X 1 3/4” UNC GR 8	4
	F7430	WASHER, Hardened	4
	F8050	WASHER, Lock, 5/8”	4

MOUNTING HARDWARE (WITH SOLID REAR MOUNT)



MOUNTING HARDWARE (WITH SOLID REAR MOUNT)

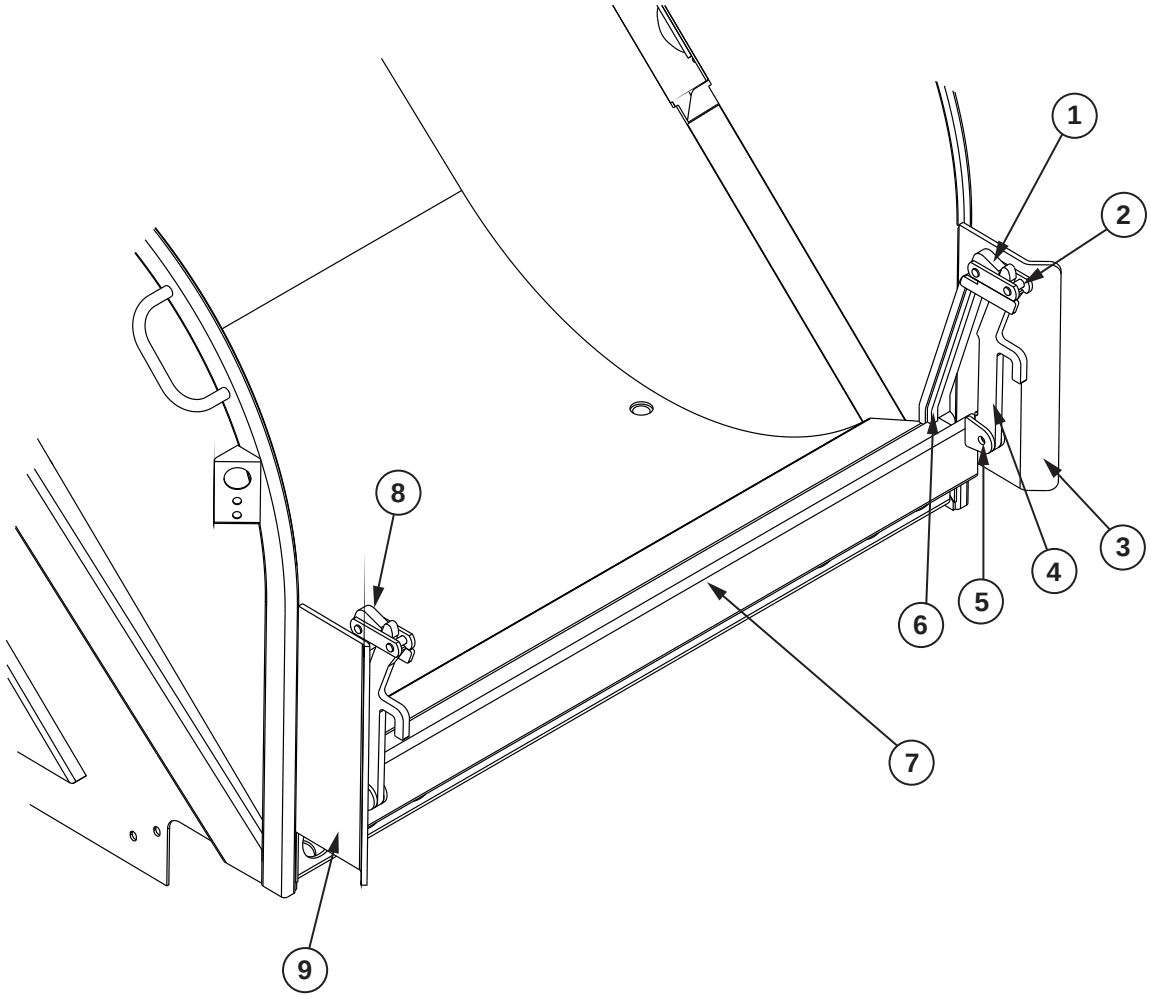
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	711274	PIVOT BOLT, 1 3/4 " Long	2
	42026	PIVOT BOLT, 2" Long	2
	202957	PIVOT BOLT, 2 1/4" Long	2
	711275	PIVOT BOLT, 2 1/2" Long	2
	201723	PIVOT BOLT, 2.63" Long	2
	711276	PIVOT BOLT, 2.88" Long	2
2	100100	NUT, Lock, 1” UNC	2
3	39966	WASHER	2
4	711267	SHIM 1/4"	AR
	711268	SHIM, 3/8"	AR
	711266	SHIM, 11 Gauge	AR
5	602416	RAIL, Mounting	2
6	603736	T-BOLT	2
	F3720	NUT, Lock, 3/4” UNC	2
	F7475	WASHER, Flat, 3/4”	2
7	603826	WELDMENT, Lateral Restraint	2
8	F7190	CAPSCREW, 3/4” X 2 1/2” UNC GR 8	4
	F3715	NUT, 3/4” UNC GR 8	4
	F7475	WASHER, Flat, 3/4”	4
	F8075	WASHER, Lock, 3/4”	4
9	604531	BRACKET, Front Body Mount	2
10	16107	SPRING, Mounting	2
11	F1382	CAPSCREW, 5/8” X 1 3/4” UNC GR 8	4
	F7430	WASHER, Hardened	4
	F8050	WASHER, Lock, 5/8”	4

SPEED UP (CHASSIS WITH ELECTRONIC ENGINES)

Because of the numerous variations of electronic speed up control circuits, please contact the Leach Customer Support Service Department with the following information when inquiring about electronic speed up control parts:

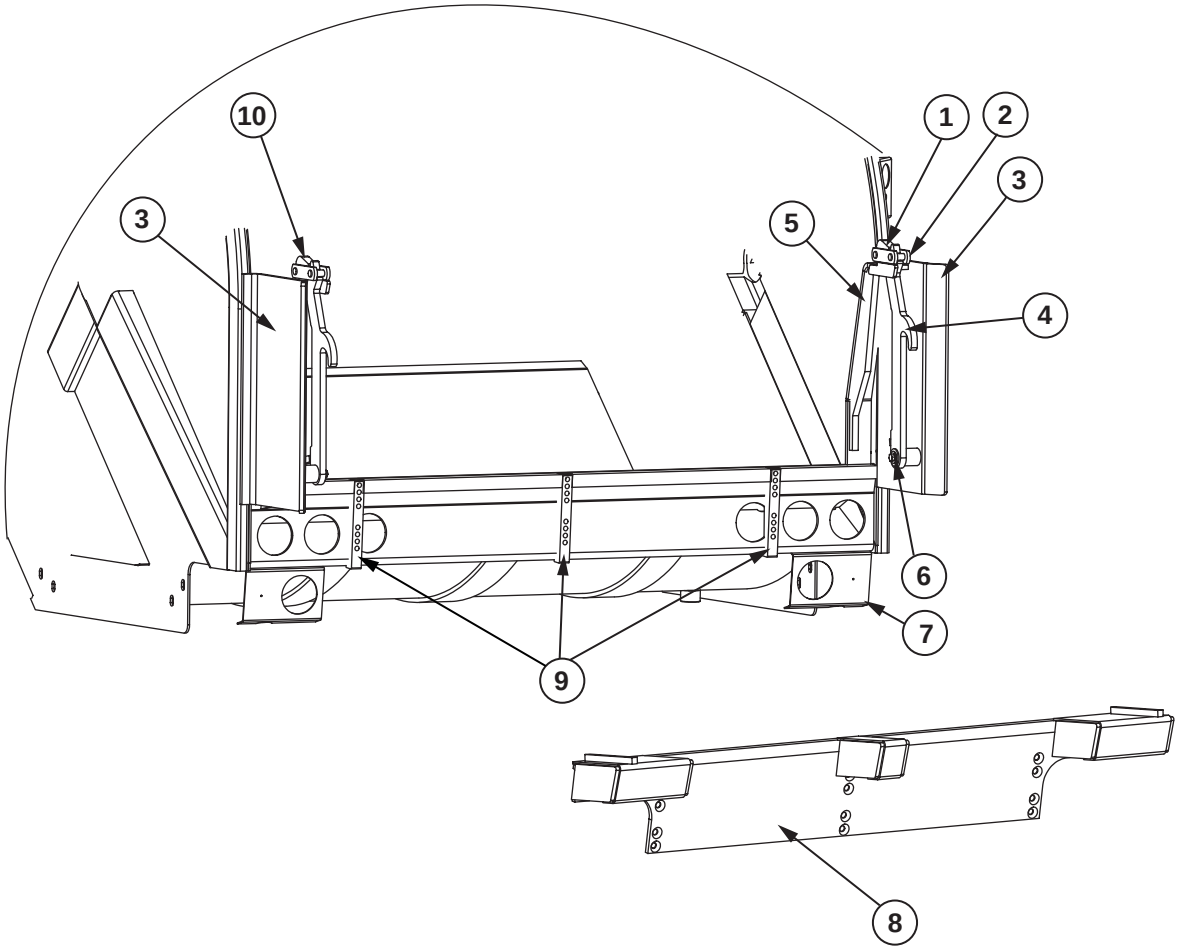
BODY MODEL AND SERIAL NUMBER
CHASSIS MAKE AND MODEL
ENGINE MAKE AND MODEL
TRANSMISSION MAKE AND MODEL

LATCH AND GUIDE EAR ASSEMBLY - 701767 STANDARD



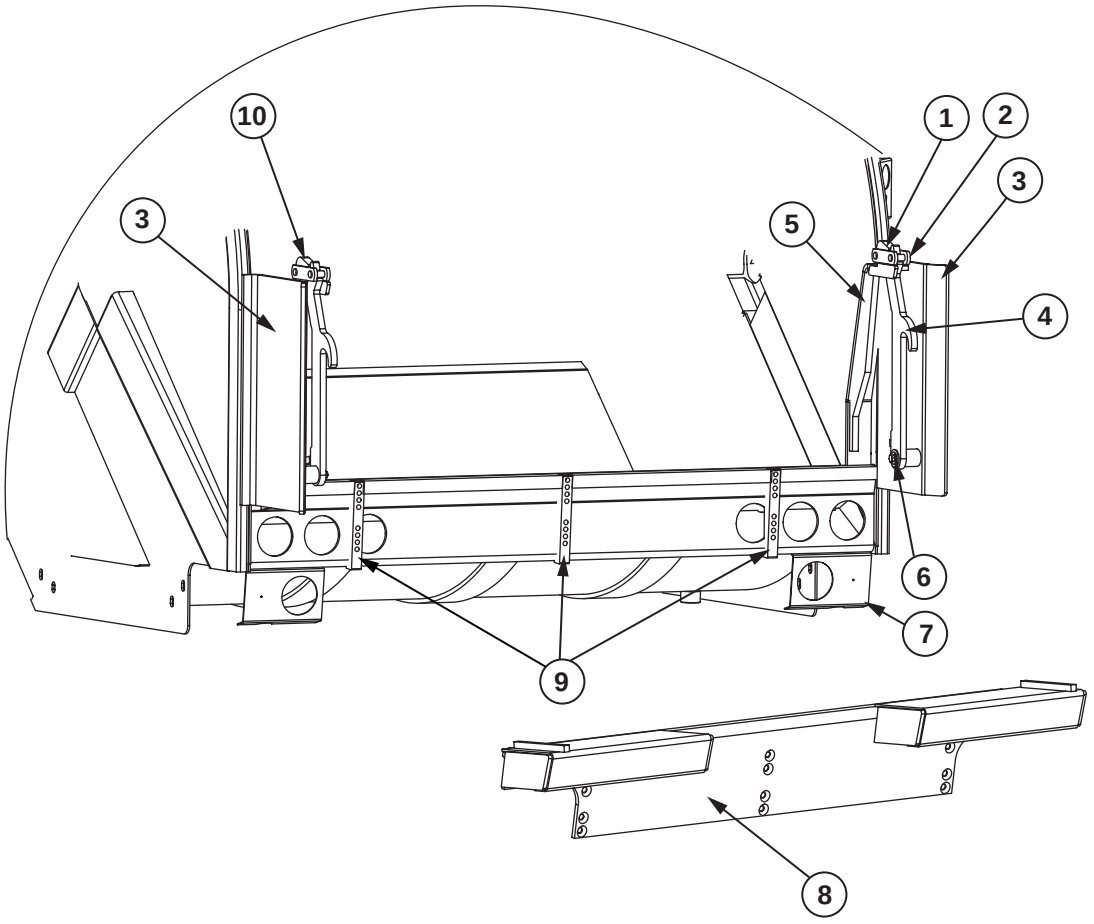
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	701755	WELDMENT, Trunnion Guide, RH (Includes Items 2 and 6)	1
2	211211	WELDMENT, Link and Pin	2
	15016	PIN, Link	2
	108669	PLUNGER Spring	2
3	701686	GUIDE EAR	1
4	701762	ARM, Latch	2
5	602220	PIVOT, Latch Arm	4
	F1750	CAPSCREW, 3/4” X 2 1/2” UNC	2
	F3730	NUT, Lock, 3/4” UNC	2
6	701758	WEAR STRIP	2
7	700522	EXTENSION, Load Edge	1
8	701768	WELDMENT, Trunnion Guide, LH (Includes Items 2 and 6)	1
9	701686	GUIDE EAR	1

LATCH AND GUIDE EAR ASSEMBLY - 707731 WITH DUAL TIPPERS



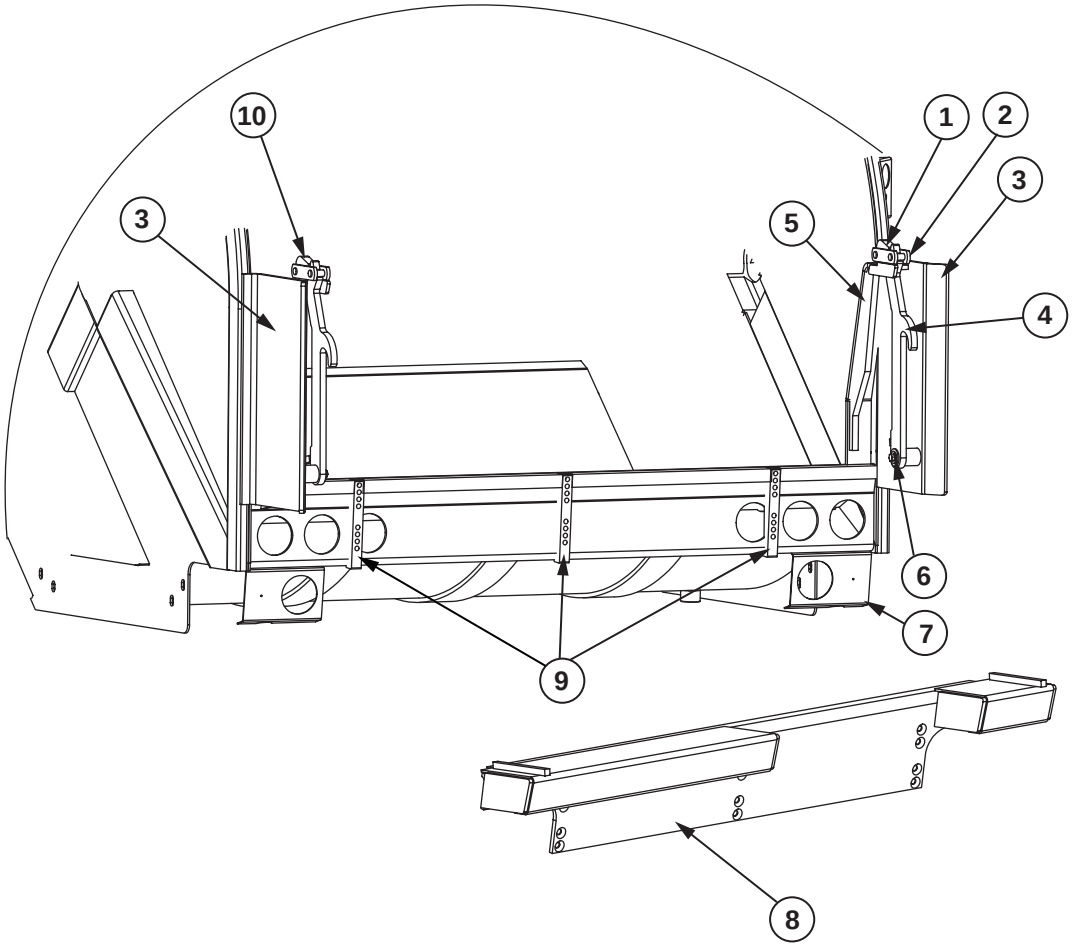
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	707543	WELDMENT, Trunnion Guide, LH (Includes Items 2 and 5)	1
2	211211	WELDMENT, Pin and Link	2
	15016	PIN	2
	108869	PLUNGER, Spring	2
3	707411	GUIDE EAR	2
4	707388	LATCH ARM	2
5	707446	BAR, Trunnion Guide	2
	707427	WEAR STRIP	2
6	F0981	CAPSCREW, 1/2” X 1 1/2” UNC	2
	41876	WASHER, Flat, 1”	2
	F7350	WASHER, Flat, 1/2”	2
7	702486	BRACKET, Light	2
8	707361	WELDMENT, Dual Tipper Base Angle	1
	F6325	CAPSCREW, 5/8" X 1 1/4" Flat Head	6
9	707356	BAR, Tapped	3
10	707544	WELDMENT, Trunnion Guide, RH (Includes Items 2 and 5)	1

LATCH AND GUIDE EAR ASSEMBLY - 707762 WITH CENTER MOUNT TIPPER



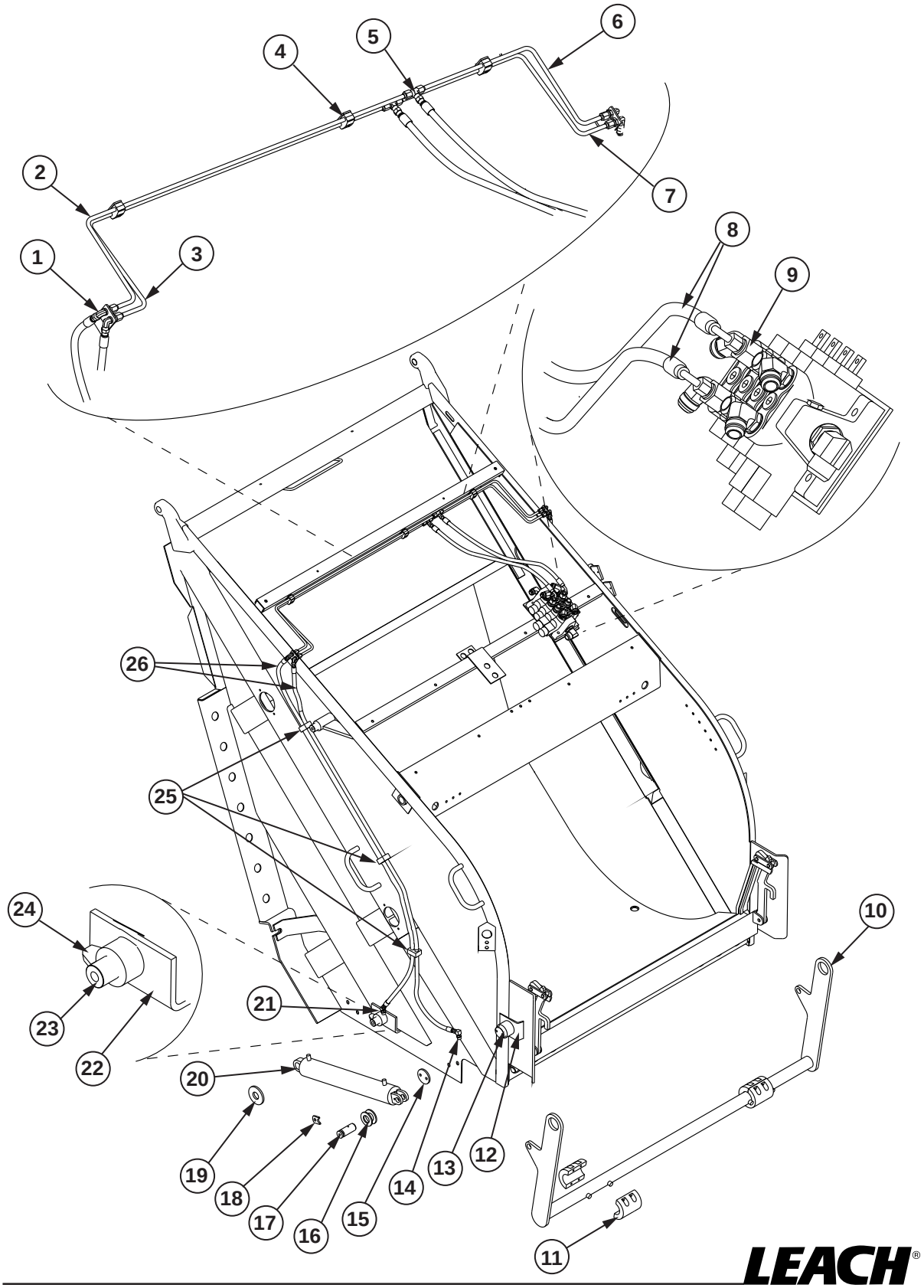
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	707543	WELDMENT, Trunnion Guide, LH (Includes Items 2 and 5)	1
2	211211	WELDMENT, Pin and Link	2
	15016	PIN	2
	108869	PLUNGER, Spring	2
3	707411	GUIDE EAR	2
4	707388	LATCH ARM	2
5	707446	BAR, Trunnion Guide	2
	707427	WEAR STRIP	2
6	F0981	CAPSCREW, 1/2” X 1 1/2” UNC	2
	41876	WASHER, Flat, 1”	2
	F7350	WASHER, Flat, 1/2”	2
7	702486	BRACKET, Light	2
8	707369	WELDMENT, Center Tipper Base Angle	1
	F6325	CAPSCREW, 5/8" X 1 1/4" Flat Head	6
9	707356	BAR, Tapped	3
10	707544	WELDMENT, Trunnion Guide, RH (Includes Items 2 and 5)	1

LATCH AND GUIDE EAR ASSEMBLY - 707763
WITH RIGHT SIDE TIPPER



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	707543	WELDMENT, Trunnion Guide, LH (Includes Items 2 and 5)	1
2	211211	WELDMENT, Pin and Link	2
	15016	PIN	2
	108869	PLUNGER, Spring	2
3	707411	GUIDE EAR	2
4	707388	LATCH ARM	2
5	707446	BAR, Trunnion Guide	2
	707427	WEAR STRIP	2
6	F0981	CAPSCREW, 1/2” X 1 1/2” UNC	2
	41876	WASHER, Flat, 1”	2
	F7350	WASHER, Flat, 1/2”	2
7	702486	BRACKET, Light	2
8	707370	WELDMENT, Right Side Tipper Base Angle	1
	F6325	CAPSCREW, 5/8" X 1 1/4" Flat Head	6
9	707356	BAR, Tapped	3
10	707544	WELDMENT, Trunnion Guide, RH (Includes Items 2 and 5)	1

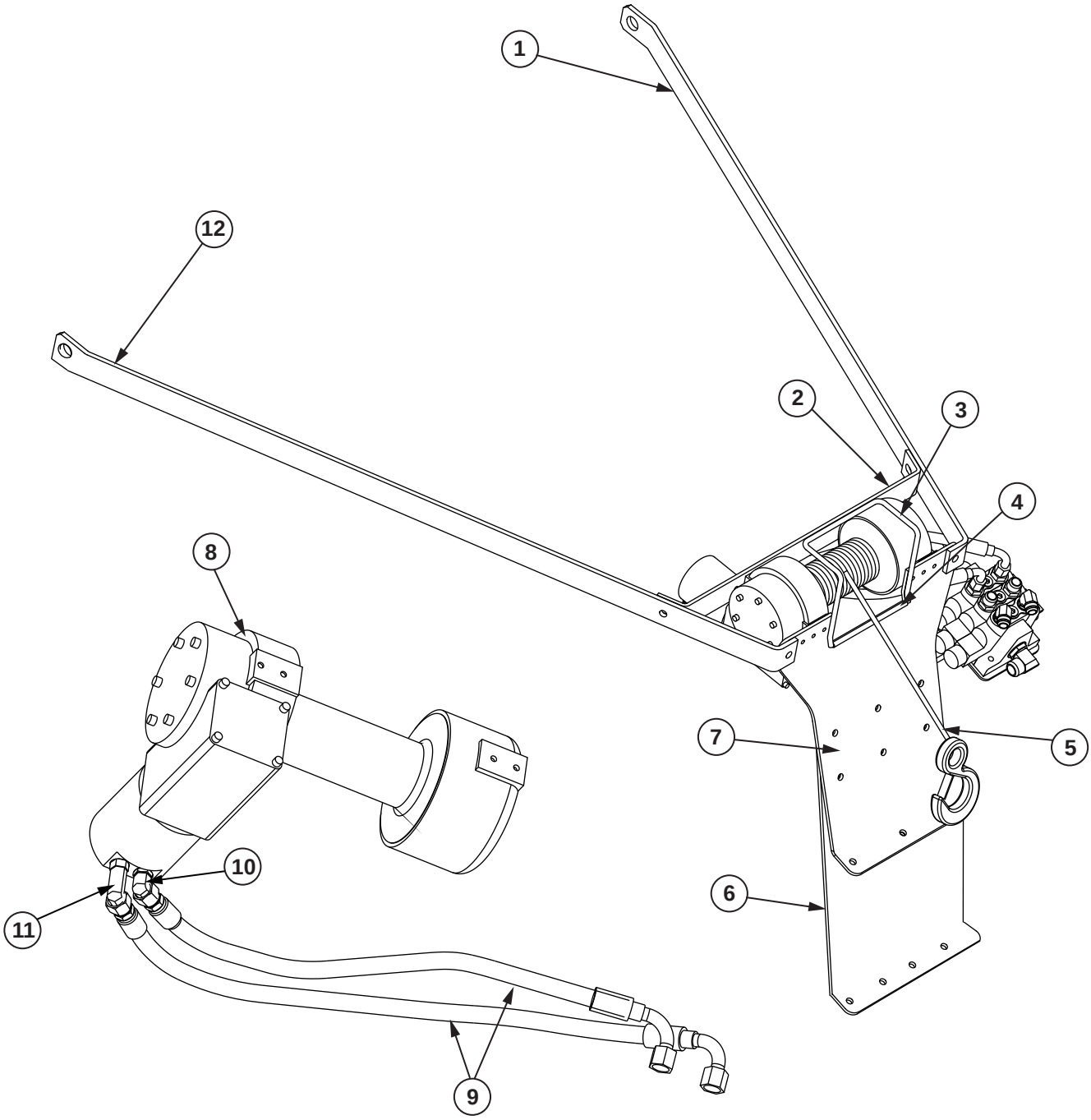
HYDRAULIC CONTAINER ATTACHMENT (HCA)
STANDARD AND WITH TIPPERS



HYDRAULIC CONTAINER ATTACHMENT (HCA) STANDARD AND WITH TIPPERS

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	106777	ELBOW, Bulkhead	4
	706608	O-RING, # 8 ORFS	4
2	705537	ASSEMBLY, Tube	1
3	705556	ASSEMBLY, Tube	1
4	106986	SUPPORT, Tube, Twin, 1/2”	3
	100267-01	PLATE, Weld	3
5	103126	TEE	2
	706608	O-RING, # 8 ORFS	6
6	705549	ASSEMBLY, Tube	1
7	705552	ASSEMBLY, Tube	1
8	705568	ASSEMBLY, Hose	2
9	104720	ELBOW	2
	706609	O-RING, # 12 ORFS	2
10	700224	WELDMENT, Push bar and Arms (Standard)	1
	709183	WELDMENT, Push bar and Arms (With Tippers)	1
11	604718	ROLLER HALF	4
	F0400	CAPSCREW, 3/8” X 1 3/4” UNC	8
	F7250	WASHER, Flat, 3/8”	16
	F3075	NUT, Elastic Stop	8
12	700763	PLATE, Upper Pivot (Standard)	2
	700218	PLATE, Upper Pivot (With Tippers)	2
13	700219	PIVOT, Upper	2
	15269	BEARING	2
14	705584	ELBOW	2
	103081-10	O-RING, # 10 Straight Thread	2
	706608	O-RING, # 8 ORFS	2
15	602333	COVER, Pivot	2
	F0950	CAPSCREW, 1/2” X 1 1/4” UNC	4
	F7975	WASHER, Lock, 1/2”	4
16	F7675	WASHER, 1 1/4”	4
17	PO-420	PIN	2
18	PO-421	RETAINER, Pin	2
	F0258	CAPSCREW, 3/8” X 3/4” UNC	2
	FF7875	WASHER, Lock, 3/8”	2
19	PO-205	COVER, Pivot	2
	F1625	CAPSCREW, 3/4” X 1” UNC	2
	F8075	WASHER, Lock, 3/4”	2
20	407028	ASSEMBLY, Cylinder	2
21	705586	ELBOW, 45 Degree	2
	103081-10	O-RING, # 10 Straight Thread	2
	706608	O-RING, # 8 ORFS	2
22	700225	PLATE, Bottom Pivot	2
23	700220	PIVOT, Bottom	2
24	700221	GUSSET, Bottom Pivot	2
25	107628	ASSEMBLY, Tube Support, .88”, Twin	6
26	705588	ASSEMBLY, Hose	4

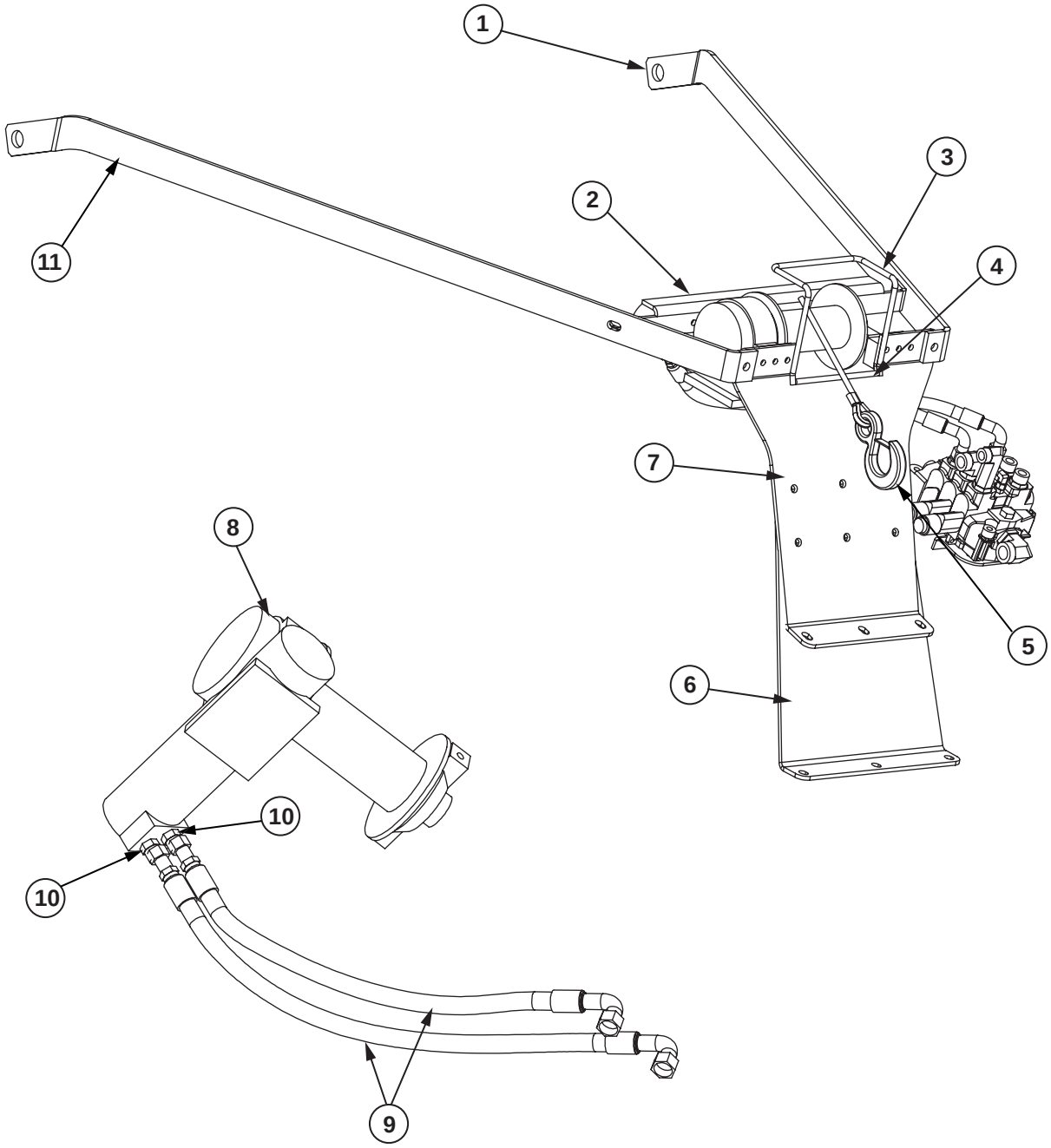
12,000 LB. WINCH INSTALLATION - 707287
BEFORE SERIAL NUMBER 30245



12,000 LB. WINCH INSTALLATION - 707287
BEFORE SERIAL NUMBER 30245

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	707290	BAR, Winch Mount, RH	2
	F1710	CAPSCREW, 3/4” X 2” UNC	2
	F7475	WASHER, Flat, 3/4”	2
	F3670	NUT, 3/4” UNC	2
2	700038	BRACE, Winch Mount	1
	700427	SHIM, Winch Mount	2
	F1710	CAPSCREW, 3/4” X 2” UNC	2
	F7475	WASHER, Flat, 3/4”	2
	F3670	NUT, 3/4” UNC	2
3	700517	GUIDE, Cable	1
4	700683	BAR, Edging	1
5	307250	ASSEMBLY, Winch Cable (Includes Hook and Safety Latch)	1
	100028	HOOK, 5 Ton, With Safety Latch	1
	108279	LATCH, Safety	1
6	700666	REINFORCEMENT	1
	F1380	CAPSCREW, 5/8” X 1 3/4” UNC	12
	F3500	NUT, 5/8” UNC	12
	F7425	WASHER, Flat, 5/8”	24
7	700660	PLATE, Winch Mounting	1
8	700018	ASSEMBLY, Winch	1
9	705399	ASSEMBLY, Hose	2
10	705387	ELBOW	1
	103081-10	O-RING, # 10 Straight Thread	1
	706609	O-RING, # 12 ORFS	1
11	705386	ELBOW, Long	1
	103081-10	O-RING, # 10 Straight Thread	1
	706609	O-RING, # 12 ORFS	1
12	707289	BAR, Winch Mount, LH	1

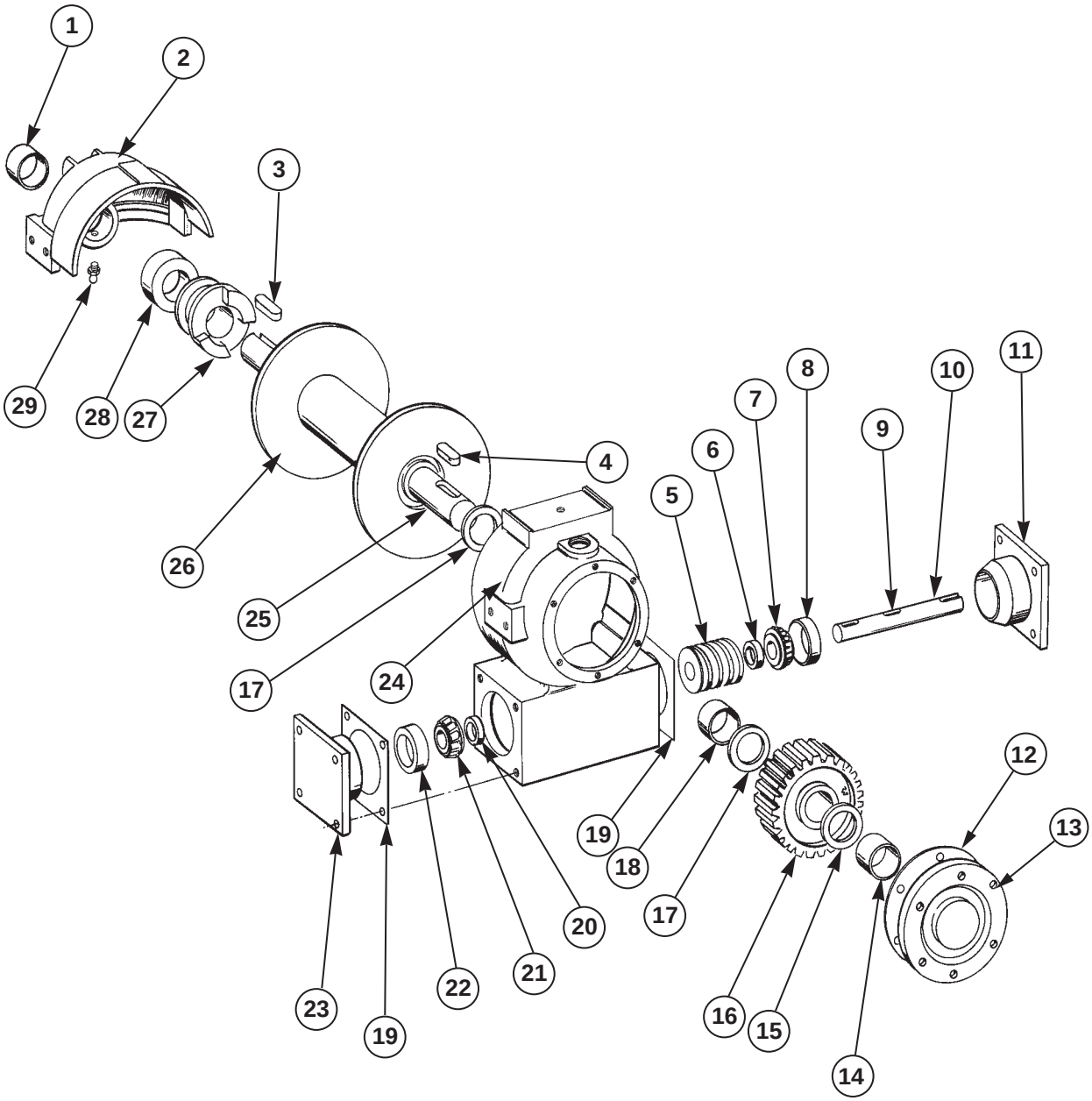
12,000 LB. WINCH INSTALLATION - 708412
AFTER SERIAL NUMBER 30244



12,000 LB. WINCH INSTALLATION - 708412
AFTER SERIAL NUMBER 30244

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	707290	BAR, Winch Mount, RH	2
	F1710	CAPSCREW, 3/4” X 2” UNC	2
	F7475	WASHER, Flat, 3/4”	2
	F3670	NUT, 3/4” UNC	2
2	708415	BRACE, Winch Mount	1
	700427	SHIM, Winch Mount	2
	F1710	CAPSCREW, 3/4” X 2” UNC	2
	F7475	WASHER, Flat, 3/4”	2
	F3670	NUT, 3/4” UNC	2
3	700517	GUIDE, Cable	1
4	700683	BAR, Edging	1
5	307250	ASSEMBLY, Winch Cable (Includes Hook and Safety Latch)	1
	100028	HOOK, 5 Ton, With Safety Latch	1
	108279	LATCH, Safety	1
6	700666	REINFORCEMENT	1
	F1380	CAPSCREW, 5/8” X 1 3/4” UNC	12
	F3500	NUT, 5/8” UNC	12
	F7425	WASHER, Flat, 5/8”	24
7	708410	PLATE, Winch Mounting	1
8	708414	ASSEMBLY, Winch	1
9	705399	ASSEMBLY, Hose	2
10	708654	CONNECTOR	2
	103081-10	O-RING, # 10 Straight Thread	1
	706609	O-RING, # 12 ORFS	1
11	707289	BAR, Winch Mount, LH	1

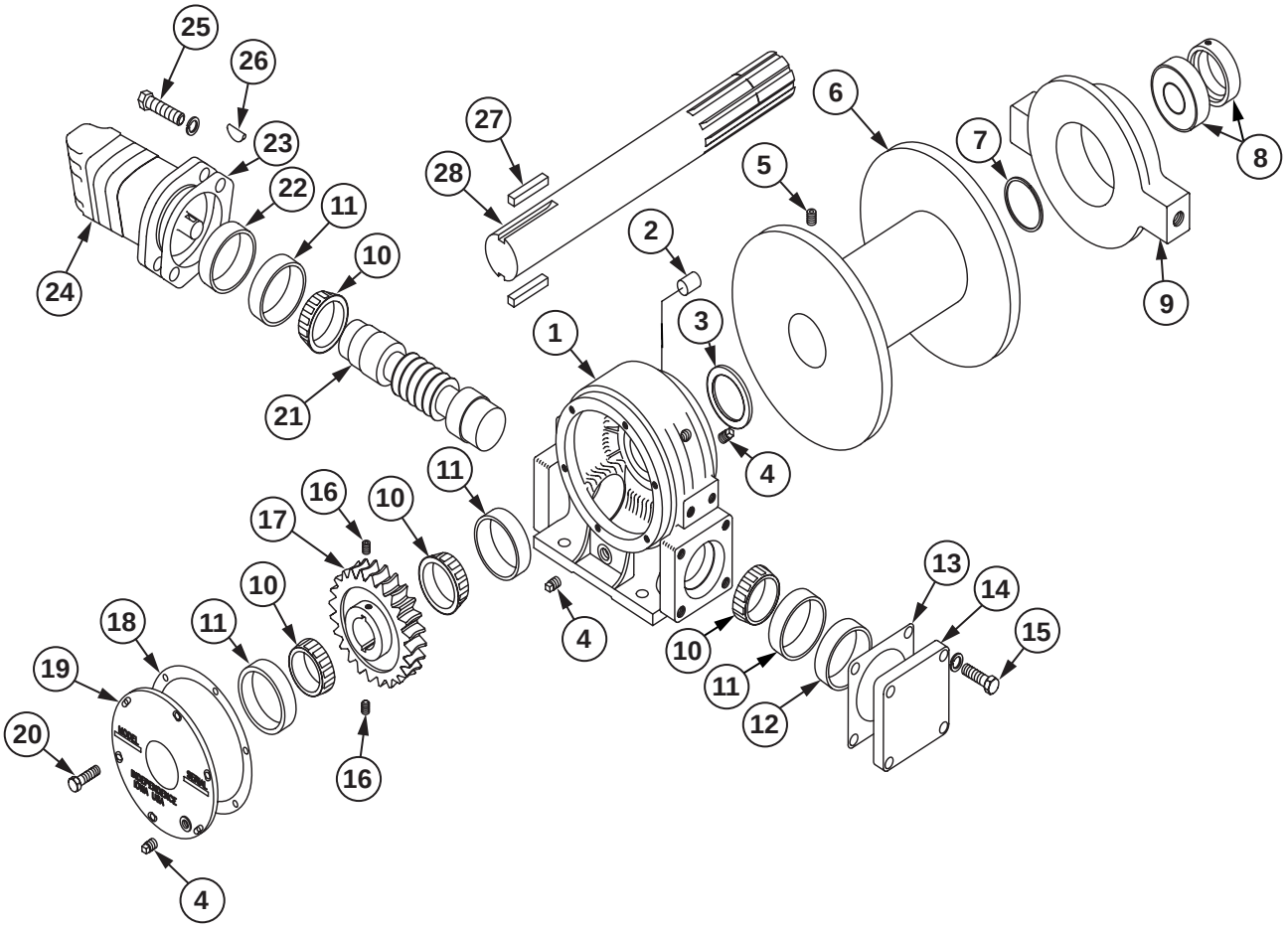
12,000 LB. WINCH ASSEMBLY - 700018
BEFORE SERIAL NUMBER 30245



12,000 LB. WINCH ASSEMBLY - 700018
BEFORE SERIAL NUMBER 30245

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	30039	BUSHING	1
2	701528	BEARING, Leg with Bushing	1
3	30029	KEY	2
4	30030	KEY	2
5	30013	WORM	1
6	30018	SPACER	1
7	701566	CONE, Bearing	1
8	701565	CUP, Bearing	1
9	30029	KEY	2
10	701531	SHAFT, Worm	1
11	701549	HOUSING, Bearing	1
12	30028	GASKET, Housing Cover	1
13	701526	COVER, Housing, with Bushing	1
14	30020	BUSHING	1
15	30016	WASHER, Thrust	1
16	30012	WORM, Gear	1
17	30040	RING, Thrust	2
18	30019	BUSHING	1
19	30027	GASKET, 1/32”	AR
	701556	GASKET, 1/64”	AR
20	30018	SPACER	1
21	30025	CONE, Bearing	1
22	30026	CUP, Bearing	1
23	30007	HOUSING, Bearing	1
24	30003	HOUSING, With Bushing	1
25	31673	SHAFT	1
26	701529	DRUM, Cable	1
27	31674	CLUTCH	1
28	31679	SPACER	1
29	16171	FITTING, Grease	1
	701537	PLUG, Fill (Not Shown)	1
	701554	PLUG, Drain (Not Shown)	1
	701559	ANGLE, Base, Front (Not Shown)	1
	701558	ANGLE, Base, Rear (Not Shown)	1
	701570	MOTOR, Hydraulic	1
	700018	ASSEMBLY, Winch	1

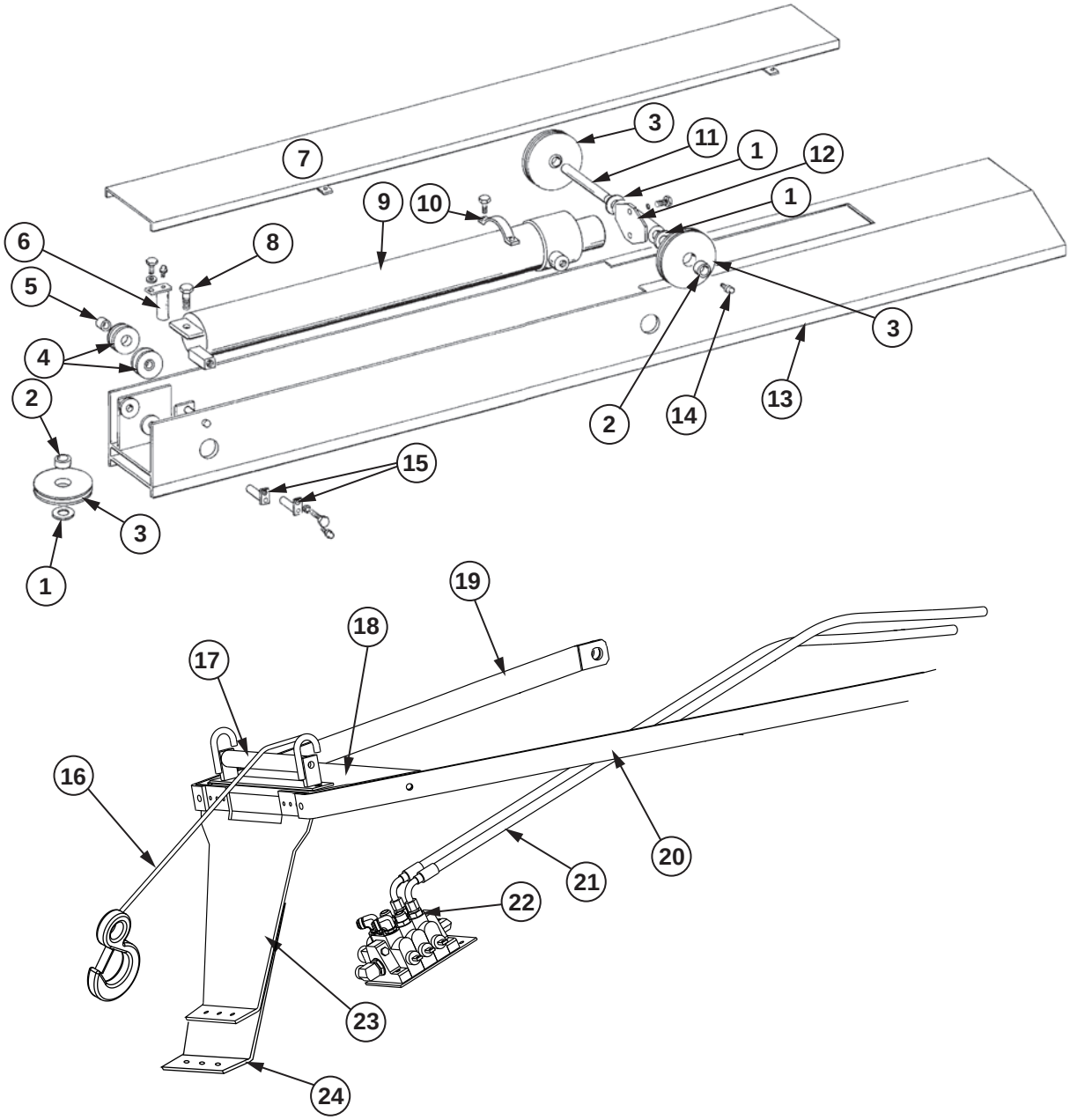
12,000 WINCH ASSEMBLY - 708414
AFTER SERIAL NUMBER 30244



12,000 LB. WINCH ASSEMBLY - 708414
AFTER SERIAL NUMBER 30244

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	712225	CASE, Gear	1
2	712226	BLOCK, Wear	1
3	712227	SEAL	1
4	712228	PLUG, Pipe, 3/8”	3
5	712229	SCREW, Set, Socket Head, 1/2” X 1/2”	1
6	712230	DRUM, Winch	1
7	712231	RING, Retaining	1
8	712232	ASSEMBLY, Bearing	1
9	712233	HOUSING, End	1
10	712234	CONE, Bearing	4
11	712235	CUP, Bearing	4
12	712236	SPACER	1
13	712237	GASKET	1
14	712238	COVER	1
15	712242	CAPSCREW, 7/16” X 1 1/4” UNC	4
16	712245	SCREW, Set, 3/8” X 1/2”	2
17	712247	GEAR	1
18	712248	GASKET	1
19	712250	COVER	1
20	712253	CAPSCREW, 5/16” X 1” UNC	6
21	712256	GEAR, Worm	1
22	712258	SPACER	1
23	712260	GASKET	1
24	712261	ASSEMBLY, Motor	1
	972148	KIT, Seal, Motor	1
25	712264	CAPSCREW, 7/16” X 1 1/2” UNC	2
26	712265	KEY, Woodruff, 1/4” X 1”	1
27	712266	KEY, 3/8” X 1 7/16”	2
28	712267	SHAFT	1
	708414	ASSEMBLY, Winch	1

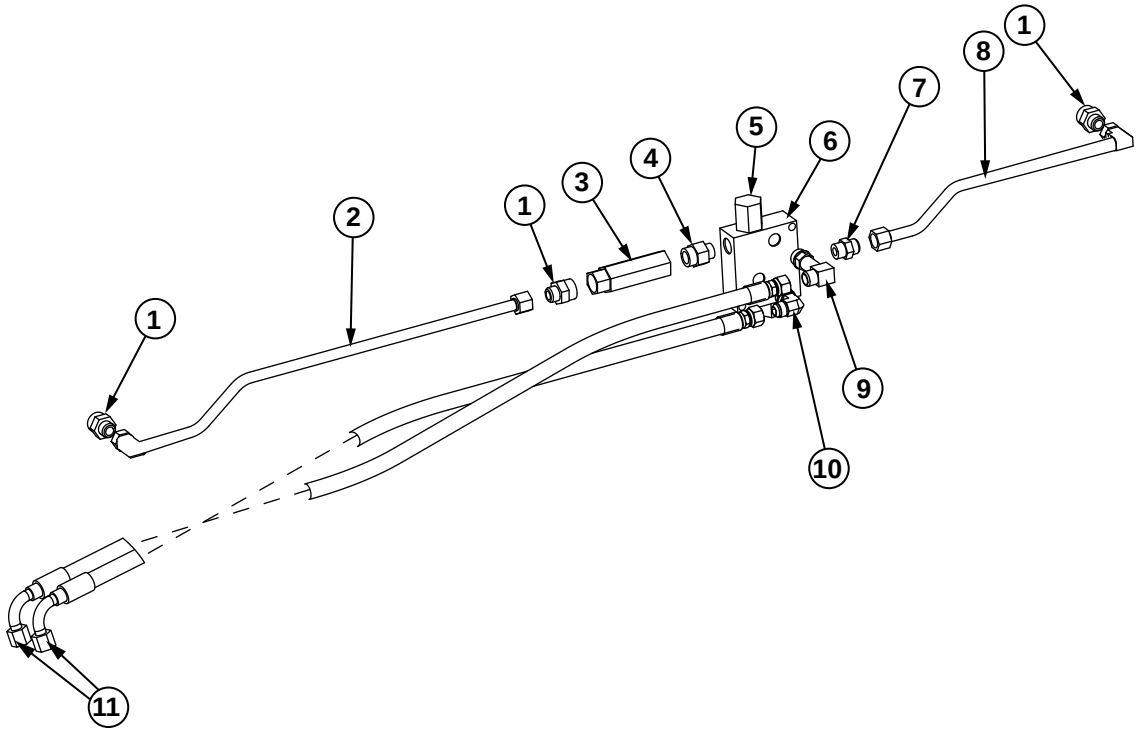
CONTAINER LIFT CYLINDER INSTALLATION - 708012



CONTAINER LIFT CYLINDER INSTALLATION - 708012

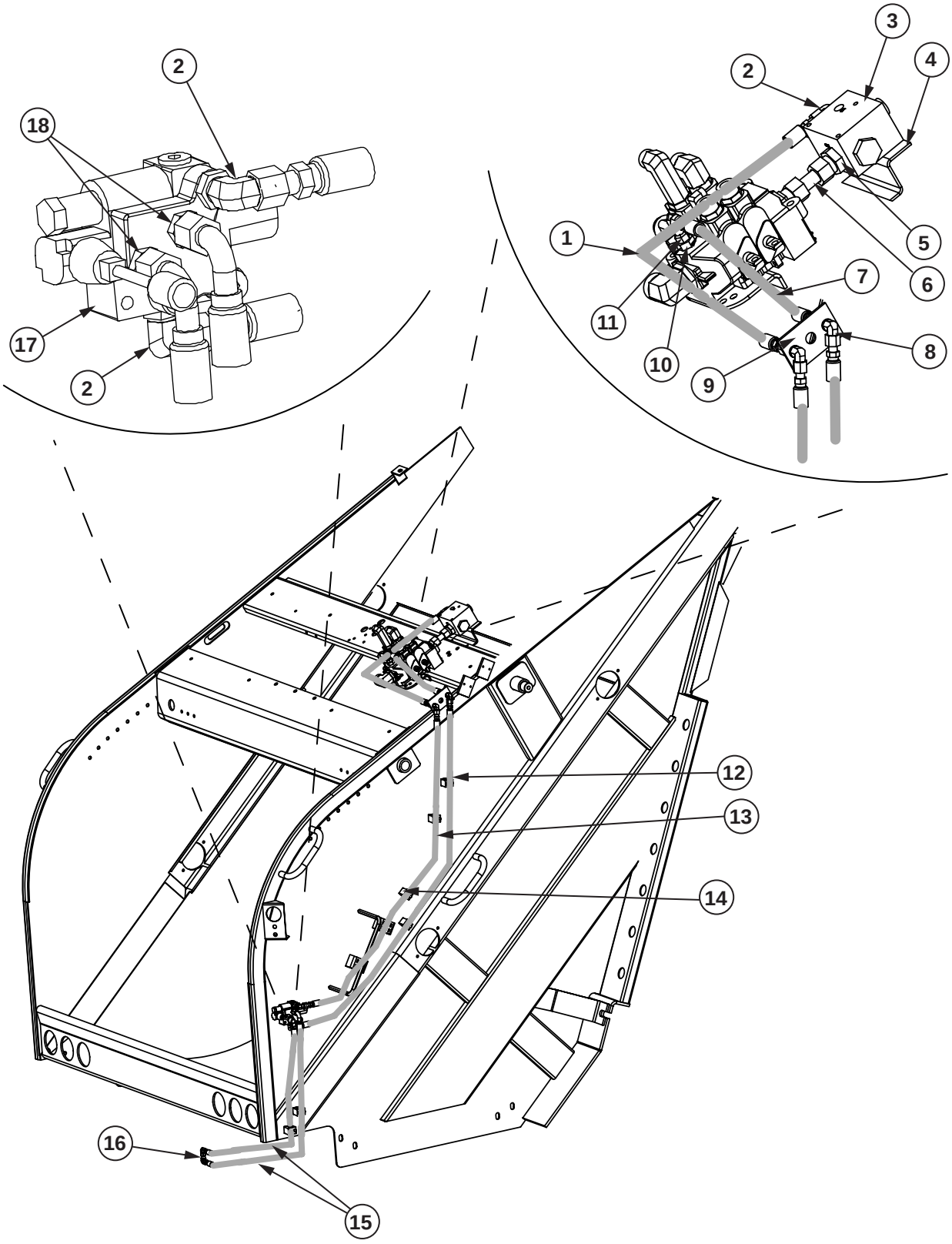
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	101864	WASHER, Thrust	3
2	101701	BUSHING	3
3	301451	SHEAVE, Large (With 101701 Bushing)	3
4	202218	SHEAVE, Small (With 101702 Bushing)	2
5	101702	BUSHING	2
6	202988	PIN, large Sheave	1
	F0022	CAPSCREW, 1/4” X 3/4” UNF	1
	F7750	WASHER, Lock, 1/4”	1
7	301921	WELDMENT, Cover	1
	F0100	CAPSCREW, 5/16” X 7/8” UNC	8
	F7775	WASHER, Lock, 5/16”	8
	F7200	WASHER, Flat, 5/16”	8
8	F1725	CAPSCREW, 3/4” X 2” UNC	1
	F8075	WASHER, Lock, 3/4”	1
	F3650	NUT, 3/4” UNC	1
9	406582	CYLINDER, Piston Winch	1
10	41861	STRAP, Cylinder	1
	F0960	CAPSCREW, 1/2” X 1 1/4” UNC	2
	F7975	WASHER, Lock, 1/2”	2
11	202967	PIN, Sheave	1
12	202516	WELDMENT, Pivot	1
	F0900	CAPSCREW, Socket head, 1/2” X 1” UNC	2
13	402088	WELDMENT, Enclosure, Cylinder	1
14	16170	FITTING, Grease	5
15	202989	PIN, Small Sheave	2
	F0022	CAPSCREW, 1/4” X 3/4” UNC	2
	F7750	WASHER, Lock, 1/4”	2
16	301803	ASSEMBLY, Cable, 56 Ft. (Includes Hook and Safety Latch)	1
	100028	HOOK, 5 Ton, With Safety Latch	1
	108279	LATCH, Safety	1
	100308	CLIP, Wire Rope, 1/2"	3
17	306078	ASSEMBLY, Roller	1
18	700326	PLATE, Roller Assembly Mounting	1
19	709867	BAR, Mounting, LH	1
20	709868	BAR, Mounting, RH	1
21	707326	ASSEMBLY, Hose	2
22	704333	FITTING, Straight Thread to ORFS	2
	103081-12	O-RING, # 12 Straight Thread	2
	706610	O-RING, # 16 ORFS	2
23	707028	PLATE, Mounting	1
24	700666	PLATE, Reinforcement	1
	F1380	CAPSCREW, 5/8” X 1 3/4” UNC	12
	F7425	WASHER, Flat, 5/8”	24
	F3500	NUT, Elastic Stop, 5/8” UNC	12
	305510	ASSEMBLY, Piston Winch (Includes Items 1-15 and Items 1-13 on Page 9-19)	1

CONTAINER LIFT CYLINDER HYDRAULICS



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	704333	CONNECTOR, Straight Thread to ORFS	3
	103081-12	O-RING, # 12 Straight Thread	3
	706610	O-RING, # 16 ORFS	3
2	705465	TUBE, Assembly	1
3	108108	VALVE, Check, Orifice	1
4	107851	UNION, Straight Thread, O-Ring	1
5	602895	CARTRIDGE, Flow Control, Extend (Upper)	1
	940112	CARTRIDGE, Flow Control, Retact (Lower)	1
6	306073	VALVE, Flow Regulator (With Cartridges)	1
	F1076	SCREW, Cap, 1/2” X 2 3/4” UNC	2
	F3325	NUT, 1/2” UNC, Nylock	2
7	103135	CONNECTOR, Straight Thread to ORFS	1
	103081-12	O-RING, # 12 Straight Thread	1
	706609	O-RING, # 12 ORFS	1
8	705468	TUBE, Assembly	1
9	103131	ELBOW, 90 Degree, Straight Thread to ORFS	1
	103081-12	O-RING, # 12 Straight Thread	1
	706609	O-RING, # 12 ORFS	1
10	104720	ELBOW, Straight Thread to ORFS	1
	103081-12	O-RING, # 12 Straight Thread	1
	706609	O-RING, # 12 ORFS	1
11	707326	HOSE	2

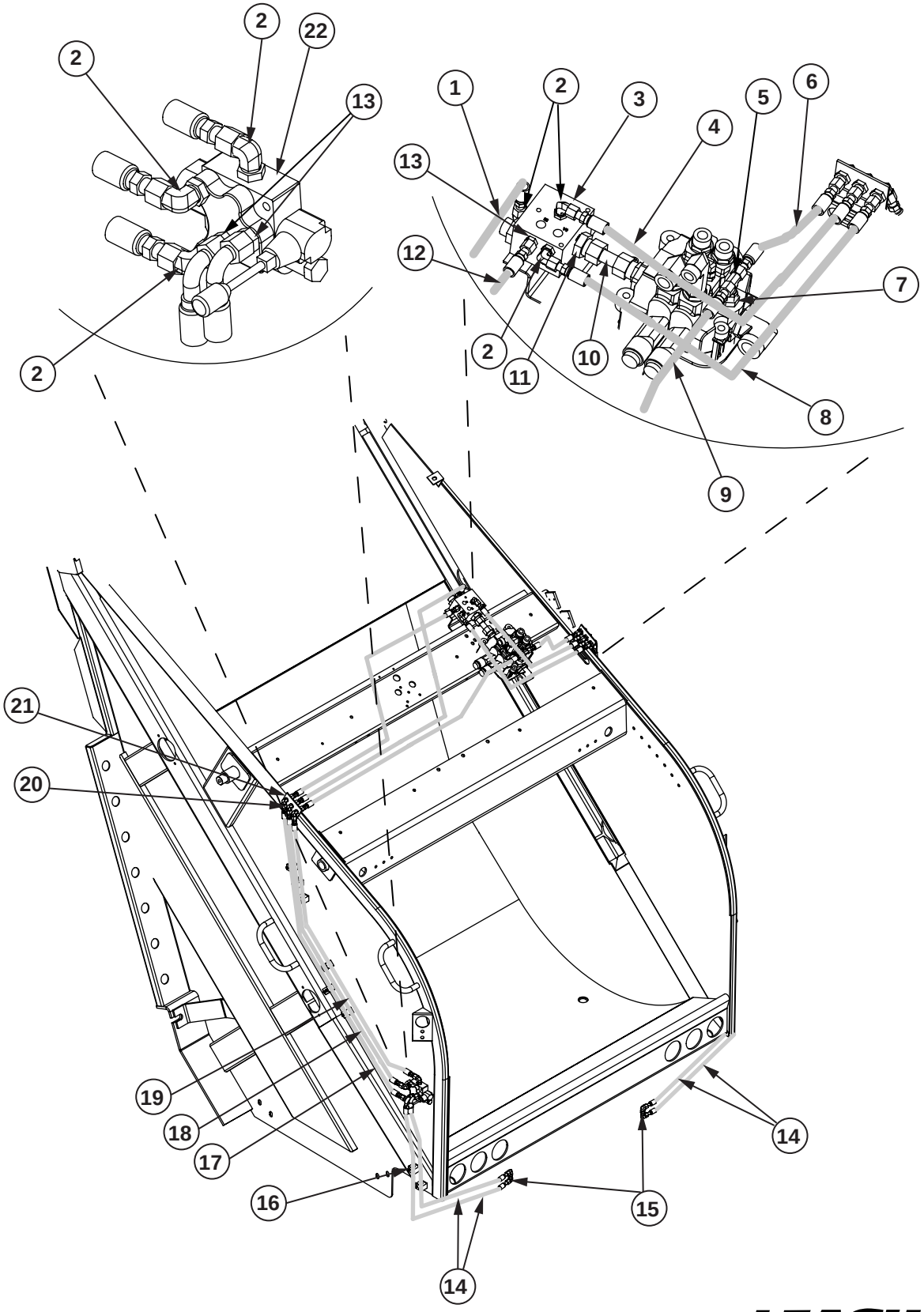
TIPPER HYDRAULICS - 707149, SINGLE TIPPER



TIPPER HYDRAULICS - 707149, SINGLE TIPPER

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	707060	ASSEMBLY, Hose	1
2	103206	ELBOW, Straight Thread to ORFS	3
	103081-08	O-RING, # 8 Straight Thread	3
	706608	O-RING, # 8 ORFS	3
3	705522	VALVE, Single Tipper	1
	705526	CARTRIDGE, Flow, 1.4 to 1.7 GPM	1
	705528	CARTRIDGE, Flow, 2.5 to 3.5 GPM	1
4	706997	BRACKET	1
5	103133	CONNECTOR, Straight Thread to ORFS	1
	103081-16	O-RING, # 16 Straight Thread	1
	706611	O-RING, # 20 ORFS	1
6	706986	ASSEMBLY, Tube	1
7	707046	ASSEMBLY, Hose	1
8	106777	ELBOW, Bulkhead, ORFS	2
	706608	O-RING, # 8 ORFS	4
9	706996	BRACKET	1
10	103136	CONNECTOR, Straight Thread to ORFS	1
	103081-12	O-RING, # 12 Straight Thread	1
	706608	O-RING, # 8 ORFS	1
11	103769	ELBOW	1
	706608	O-RING, # 8 ORFS	2
12	707065	ASSEMBLY, Hose	1
13	707063	ASSEMBLY, Hose	1
14	100164	ASSEMBLY, Tube Support	8
15	707079	ASSEMBLY, Hose	2
16	707069	ELBOW	1
	706607	O-RING, # 6 ORFS	2
17	706962	VALVE, Tipper Hand	1
18	103207	CONNECTOR, Straight Thread to ORFS	2
	103081-08	O-RING, # 8 Straight Thread	2
	706608	O-RING, # 8 ORFS	2

TIPPER HYDRAULICS - 706762, DUAL TIPPERS



TIPPER HYDRAULICS - 706762, DUAL TIPPER

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	707061	ASSEMBLY, Hose	1
2	103206	ELBOW, Straight Thread to ORFS	9
	103081-08	O-RING, # 8 Straight Thread	9
	706608	O-RING, # 8 ORFS	9
3	705524	VALVE, Dual Tippers	1
	705526	CARTRIDGE, Flow, 1.4 to 1.7 GPM	2
	705528	CARTRIDGE, Flow, 2.5 to 3.5 GPM	2
4	707048	ASSEMBLY, Hose	1
5	107573	TEE	1
	706608	O-RING, # 8 ORFS	2
6	707046	ASSEMBLY, Hose	1
7	103136	CONNECTOR, Straight Thread to ORFS	1
	103081-12	O-RING, # 12 Straight Thread	1
	706608	O-RING, # 8 ORFS	1
8	707060	ASSEMBLY, Hose	1
9	707047	ASSEMBLY, Hose	1
10	706986	ASSEMBLY, Tube	1
11	103133	CONNECTOR, Straight Thread to ORFS	1
	103081-16	O-RING, # 16 Straight Thread	1
	706611	O-RING, # 20 ORFS	1
12	707062	ASSEMBLY, Hose	1
13	103207	CONNECTOR, Straight Thread to ORFS	5
	103081-08	O-RING, # 8 Straight Thread	5
	706608	O-RING, # 8 ORFS	5
14	707079	ASSEMBLY, Hose	4
15	707069	ELBOW	2
	706607	O-RING, # 6 ORFS	4
16	100164	ASSEMBLY, Tube Support	16
17	707065	ASSEMBLY, Hose	2
18	707064	ASSEMBLY, Hose	2
19	707063	ASSEMBLY, Hose	2
20	106777	ELBOW, Bulkhead, ORFS	6
	706608	O-RING, # 8 ORFS	12
21	706996	BRACKET	2
22	706962	VALVE, Tipper Hand	2

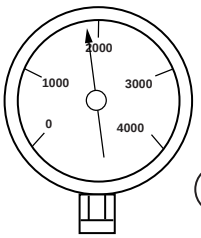
SECTION 10

SERVICE TOOLS

GENERAL

The Service Tools shown in this section will be required for some service and repair procedures. These tools are available from your local authorized Leach Distributor.

The actual use of each tool is described in Section 9, Service and Repair, of the appropriate service manual.



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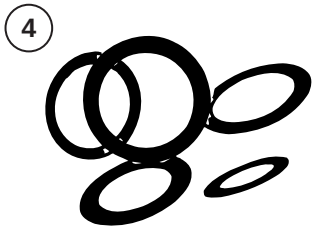

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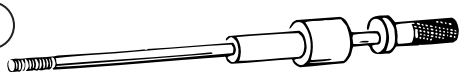

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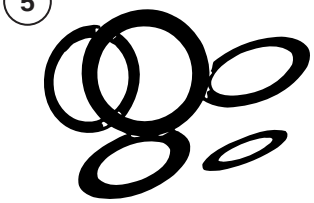

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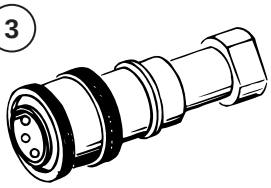

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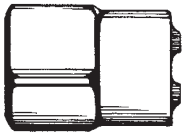

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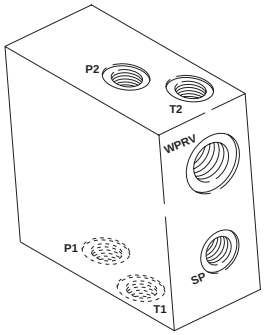

7

SERVICE TOOLS

NO.	PART NO.	DESCRIPTION	EXPLANATION	UNIT
1	603667	Pressure Gauge	To measure system pressure	All except FL104/Beta
2	T-SK-793-100	Pin Puller	Remove pivot pins	All
3	100368	Snap Connector	Quick coupling for pressure gauges	All
4	103081	O-Ring Kit	# 4 to # 24 Straight Thread o-rings	All except FL104
5	972087	ORFS O-Ring Kit	# 4 to # 24 ORFS o-rings	All
6	970004	Plunger Tool	Remove/install spring-loaded plungers on rear loader container attachments	
7	710475	Test Block	Test resistance cartridge and circuit relief cartrides	All Series III

REWARD!

One genuine Leach hat to the first person to notify us of an error in any of our publications!

If you find what you believe to be an error in any of our publications please complete the requested information an return the form to us by fax or mail. If you are the first, you will receive a hat by return mail.

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