

BALE MOVER

700 (A)

Owner's Manual



Before operating the Bale Mover 700, be sure to review *all* the instructions and familiarize yourself with its features.

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Warranty

Highline New Agricultural Equipment Limited Warranty

Effective July 1, 2000 Two (2) Year / 24 Months

1st Year Parts and Labour –2nd Year Parts Only

Highline Mfg. Inc (hereinafter "Highline") warrants each new Agricultural product of Highline's manufacturer to be free from defects in material and workmanship, under normal use and service for two (2) full years after initial purchase/retail sale. Highline will warrant its product for one (1) year parts and labour, if performed by a qualified Dealer and on the second year parts only. This Limited Warranty shall apply only to complete machines of Highline's manufacture, parts are covered by a separate Limited Warranty.

EQUIPMENT AND ACCESSORIES NOT OF HIGHLINE'S MANUFACTURE ARE WARRANTED ONLY TO THE EXTENT OF THE ORIGINAL MANUFACTURER'S WARRANTY AND SUBJECT TO THEIR ALLOWANCE TO HIGHLINE ONLY IF FOUND DEFECTIVE BY SUCH MANUFACTURER.

During the Limited Warranty period specified above, any defect in material or workmanship in any warranted item of Highline Agricultural Equipment not excluded below shall be repaired or replaced at Highline's option without charge by any authorized independent Highline Dealer. An authorized Dealer must make the warranty repair or replacement. Labour in accordance with Highline's labour reimbursement policy. Highline reserves the right to supply remanufactured replacement parts as it deems appropriate.

RETAIL PURCHASER RESPONSIBILITY: This Limited Warranty requires proper maintenance and periodic inspections of the Agricultural Equipment as indicated in the Operator's Manual furnished with each new Agricultural Equipment. The cost of routine or required maintenance and services is the responsibility of the retail purchaser. The retail purchaser is required to keep documented evidence that these services were performed. This Highline New Agricultural Equipment Limited Warranty may be subject to cancellation if the above requirements are not performed

EXCLUSIONS AND LIMITATIONS

The warranties contained herein shall **NOT APPLY TO:**

- (1) Any defect which was caused (in Highline's sole judgement) by other than normal use and service of the Agricultural Equipment, or by any of the following: (i) accident (ii) misuse or negligence (iii) overloading (iv) lack of reasonable and proper maintenance (v) improper repair or installation (vi) unsuitable storage (vii) non-Highline approved alteration or modification (viii) natural calamities (ix) vandalism (x) parts or accessories installed on Agricultural Equipment which were not manufactured or installed by Highline authorized Dealers (xi) the elements (xii) collision or other accident.
- (2) Any Agricultural Equipment whose identification numbers or marks have been altered or removed.
- (3) Any Agricultural Equipment which any of the required or recommended periodic inspection or services have been performed using parts not manufactured or supplied by Highline or meeting Highline Specifications including, but without limitation, lubricants (oil, grease), belt lacings, and hydraulic fluids.
- (4) Equipment used for rental, custom work, industrial and construction or if equipment is used for any other purpose than the intended agricultural application.
- (5) Any Agricultural Equipment used in demonstrations not performed by a Highline Dealer. Warranty will be at the discretion of Highline for all other demonstration warranty.
- (6) **New Agricultural Equipment delivered to the retail purchaser in which the warranty registration has not been completed and returned to Highline within ten (10) days from the date of purchase**
- (7) Any defect that was caused (in Highline's sole judgement) by operation of the Agricultural Equipment not abiding by standard operating procedures outlined in the Operator's Manual.
- (8) Tire Limited Warranties and support are the responsibility of the respective product's manufacturer.
- (9) Transportation costs, if any, of transporting to the Highline Dealer.
- (10) In no event shall Highline's liability exceed the purchase price of the product.
- (11) Highline shall not be liable to any person under any circumstances for any incidental or consequential damages (including but not limited to, loss of profits, out of service time and damage to equipment which this equipment may be attached) occurring for any reason at any time.
- (12) Diagnostic and overtime labour premiums are not covered under this Limited Warranty Policy.
- (13) Depreciation damage caused by normal wear, lack of reasonable and proper maintenance, failure to follow operating instructions, misuse, and/or lack of proper protection during storage.
- (14) Accessory systems and electronics not of Highline's manufacture are warranted only to the extent of such manufacturer's respective Limited Warranty if any.
- (15) Wear items which are listed by product group below:

COMMON WEAR ITEMS: roller chain, sprockets, clutches, shear bolts, clutch components, chains, gearbox housings bolts/torqued parts, flails, feed roller belting, coupler chain, DRV couplers, bogie wheels, apron tines and hoses.

PARTS WARRANTY

Parts replaced in the warranty period will receive the balance of the two year New Agricultural Equipment Limited Warranty. Replacement parts after the original machine warranty are warranted to be free from defects of material for ninety (90) days or the part will be repaired or replaced, without labour coverage for removal and reinstallation.

EXCLUSION OF WARRANTIES. UNLESS OTHERWISE REQUIRED BY LAW, AND EXCEPT FOR THE WARRANTIES EXPRESSLY AND SPECIFICALLY MADE HEREIN, HIGHLINE MAKES NO OTHER WARRANTIES, AND ANY POSSIBLE LIABILITY OF HIGHLINE HEREIN UNDER IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANT ABILITY OR FITNESS FOR A PARTICULAR PURPOSE. HIGHLINE RESERVES THE RIGHT TO MODIFY, ALTER AND IMPROVE ANY PRODUCT WITHOUT INCURRING ANY OBLIGATION TO REPLACE ANY PRODUCT PREVIOUSLY SOLD WITH SUCH MODIFICATION. NO PERSON IS AUTHORIZED TO GIVE ANY OTHER WARRANTY, OR TO ASSUME ANY ADDITIONAL OBLIGATION ON HIGHLINE'S BEHALF.

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President's Message

The Bale Mover 700, a proven name in the bale handling field, is made by Highline Mfg. Inc. The Bale Mover 700 was designed to work in the most difficult of bale handling situations. A little time and effort will ensure the performance and durability of your Bale Mover.

This manual has been prepared to provide the information necessary for the safe and efficient operation of your Bale Mover. In it, you will find safety procedures, maintenance routines and detailed parts diagrams.

In order to maintain our high standards, changes or improvements are made from time to time. Highline Mfg. Inc. reserves the right to make those changes and add improvements when practical to do so without incurring any obligation to make such changes on machines previously sold.

Should the need arise, this manual will assist you in acquiring replacement parts. If your dealer does not have the parts you need in stock, they will be happy to order them for you. Feel free to contact Highline Mfg. Inc. or your local dealer if you need information that is not included in this manual.

Highline Mfg. Inc. thanks and congratulates you for selecting the Bale Mover 700 as the machine for your bale handling needs.

*Raymond J. Bussière, President
Highline Mfg. Inc.*

P.O. Box 307, Vonda, Saskatchewan, S0K 4N0

Phone 1-800-665-2010 Fax (306) 258-2010

Internet Address: <http://www.highlinemfg.com>

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Safety Precautions

WORK SAFELY – FOLLOW THESE INSTRUCTIONS

CAREFUL OPERATION IS THE BEST INSURANCE AGAINST AN ACCIDENT!

- Always disengage the PTO and hydraulic motors before dismounting tractor. Always ensure PTO is disengaged before starting tractor.
- Keep yourself and others clear of rotating parts to prevent injury.
- Never allow anyone to stand near the Bale Mover while loading or unloading bales.
- Never attempt to manually remove bales from rails while hydraulic motors are engaged. Disconnect hydraulic motors before cleaning the Bale Mover.
- Remove transport locks before lowering forks. To remove transport locks, raise forks to slacken the transport chain and then remove the transport pin. **DO NOT** lower the forks when transport locks are in position otherwise **SEVERE DAMAGE WILL OCCUR!**
- Relieve pressure in hydraulic lines before disconnecting lines or performing maintenance on the hydraulic system.

1.0 Operating Instructions

1.1 Pre-Start Instructions

Transport chains need to be removed before operation of the forks. To remove transport chains, raise forks slightly and remove transport pins. DO NOT lower forks when transport chains are in position otherwise severe damage WILL occur.

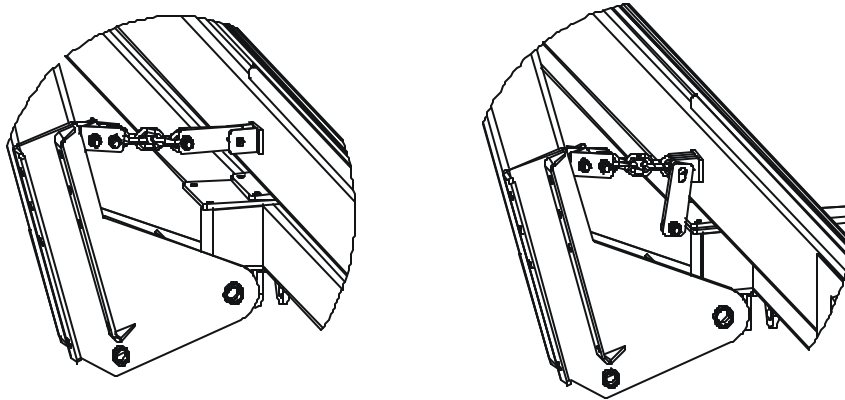


Figure 1 - Locks in Transport Position

1.2 Transporting Instructions

To ensure safe transport of the Bale Mover 700, forks should be in the transport position with the transport chains in place. To put transport chains in place, raise the forks until the transport pin can be put in place safely. Lower forks to take the slack up in the transport chains.

1.3 Bale Size Adjustment

The bale size is adjustable through the fork adjusting plate. By moving the forks (Figure 2), you adjust for the correct size of bale.



Figure 2 – Adjusting Forks

1.4 Field Instructions

For proper operation, the Bale Mover 700 should run at a field speed of 3-4 mph (4.8-6.5 km/h). When picking bales, a full stop is not required. Bales are picked and placed on the bed continuously by lifting the bale into position and moving the preceding bales back to fit the new bale on.

2.0 Maintenance Instructions

To ensure a long operating life of your Bale Mover 700, follow these maintenance procedures.

- Periodically check tire air pressure to maintain equal tire pressure. The operating tire pressure should be 90 psi.
- Periodically check all bolts for tightness.
- Periodically check the chain tightener. The chain should be just off the bottom of the rail. This can be seen through the sight hole in the rail.
- Grease the following points as described.

2.1 Grease Locations



Figure 3 - Pivot Arm Grease Location

Grease No	Description	Frequency
1	Arm, Pivot, Right	Daily

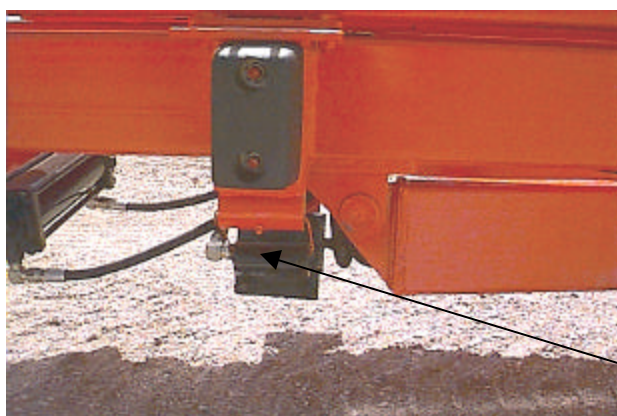
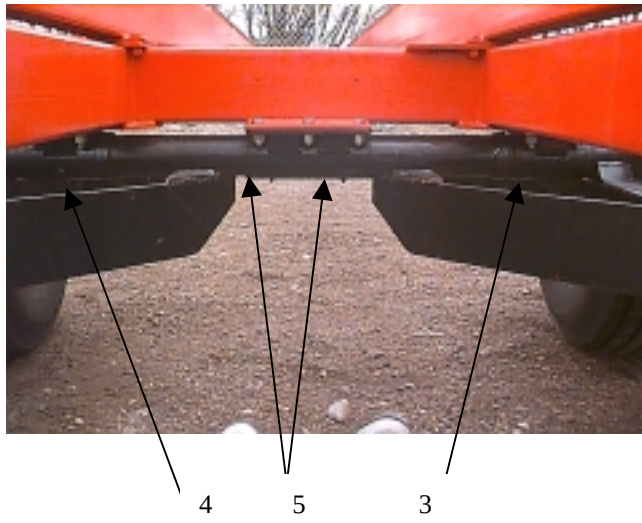


Figure 4 - Pivot Slide Arm Grease Location

Grease No	Description	Frequency
2	Arm, Slide, Pivot, Right	Daily



Grease No	Description	Frequency
3	Pocket, Beam Walking, Left,	Weekly
4	Pocket, Beam Walking, Right	Weekly
5	Pocket, Beam Walking, Middle	Weekly

Figure 5 - Oscillating Tandem Grease Location



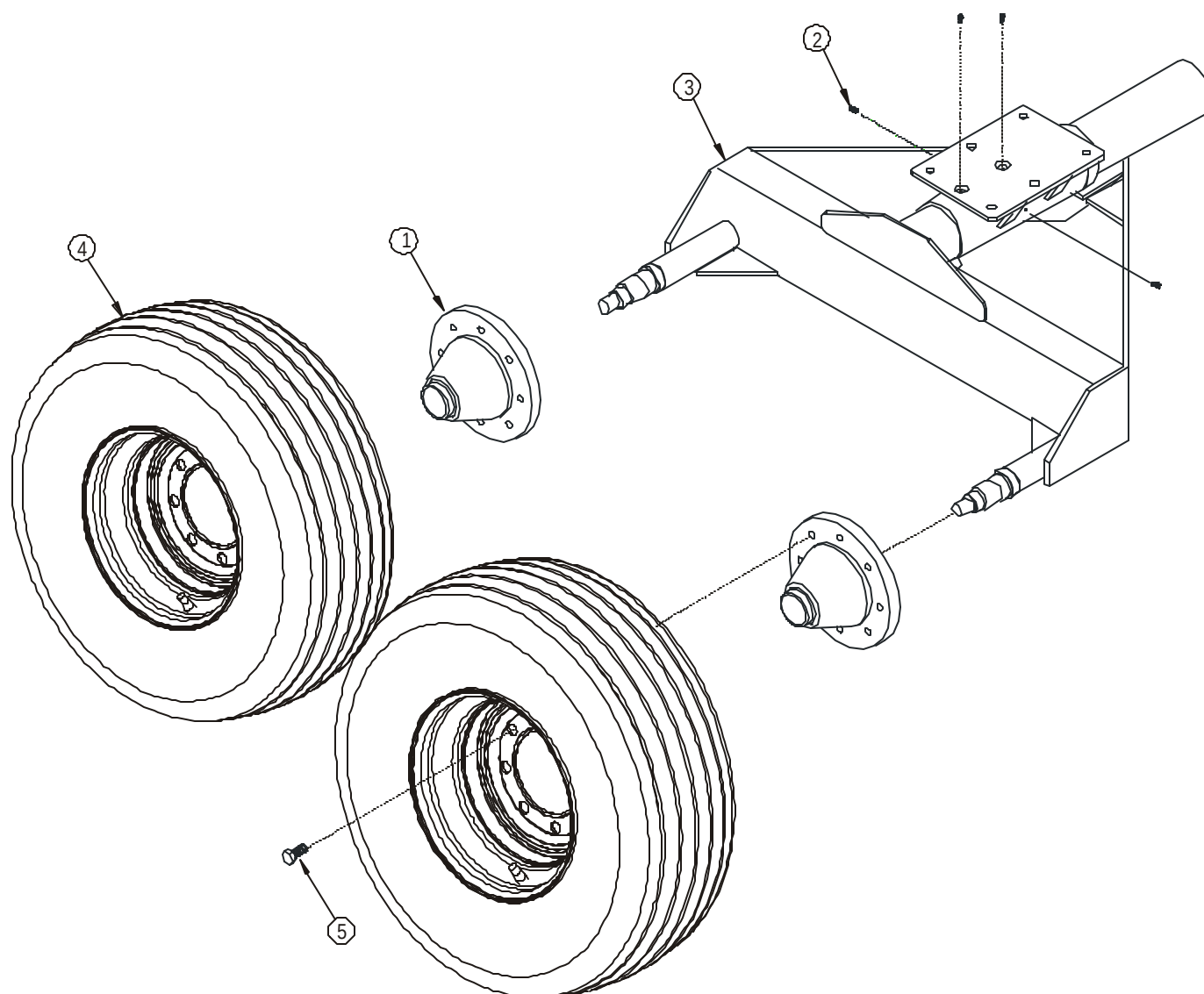
Grease No	Description	Frequency
6	Pin, Sprocket, Rear, Left,	Weekly
7	Pin, Sprocket, Rear, Right,	Weekly

Figure 6 - Rear Sprocket Pin

3.0 Parts Information

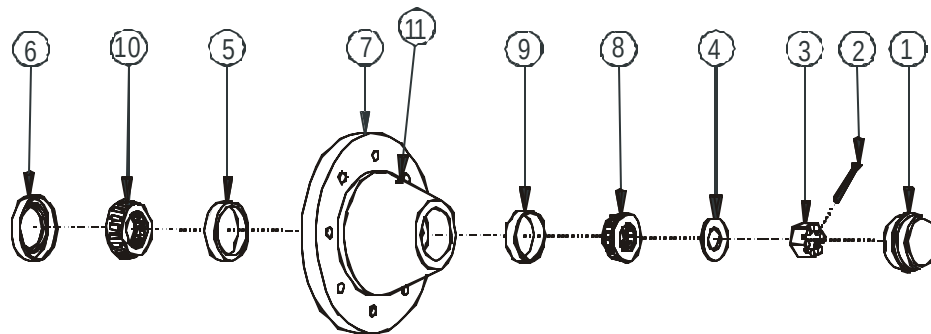
3.1 Tandem Axle Assembly

Item	Part No.	Description	Quantity
1	30102	Susp, Hub, Complete, EM5500	4
2	30207	Zerk, Grease, 1/4-28, Straight	8
3	45239	Axle	2
4	31795	Wheel, Complete	4
5	91061	Bolt, Wheel, 9/16	32

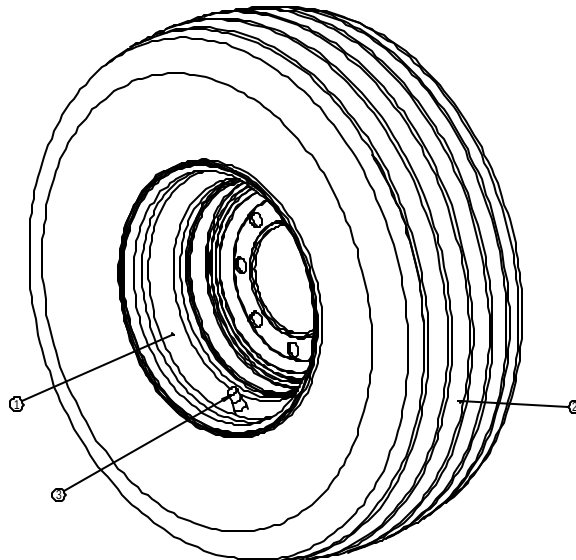


3.1.1 Hub Assembly (Part No. 30102)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30220	SUSP, CAP, DUST	1
2	30221	PIN, COTTER, 3/16X1-3/4	1
3	30222	NUT, SLOTTED, 1, UNF	1
4	30223	WASHER, FLAT, 1ID X 2OD, .2385	1
5	30226	DRV, BRG, RACE, INNER, 1.781	1
6	30228	DRV, BRG, SEAL, 1.98	1
7	30229	SUSP, HUB, EM5500, 8BOLT	1
8	91111	DRV, BRG, TAPERED, OUTER, 1.375	1
9	91131	DRV, BRG, RACE, OUTER, 1.375	1
10	91133	DRV, BRG, TAPERED, INNER, 1.781	1
11	30207	ZERK, 1/4-28, GF641, STRAIGHT	1

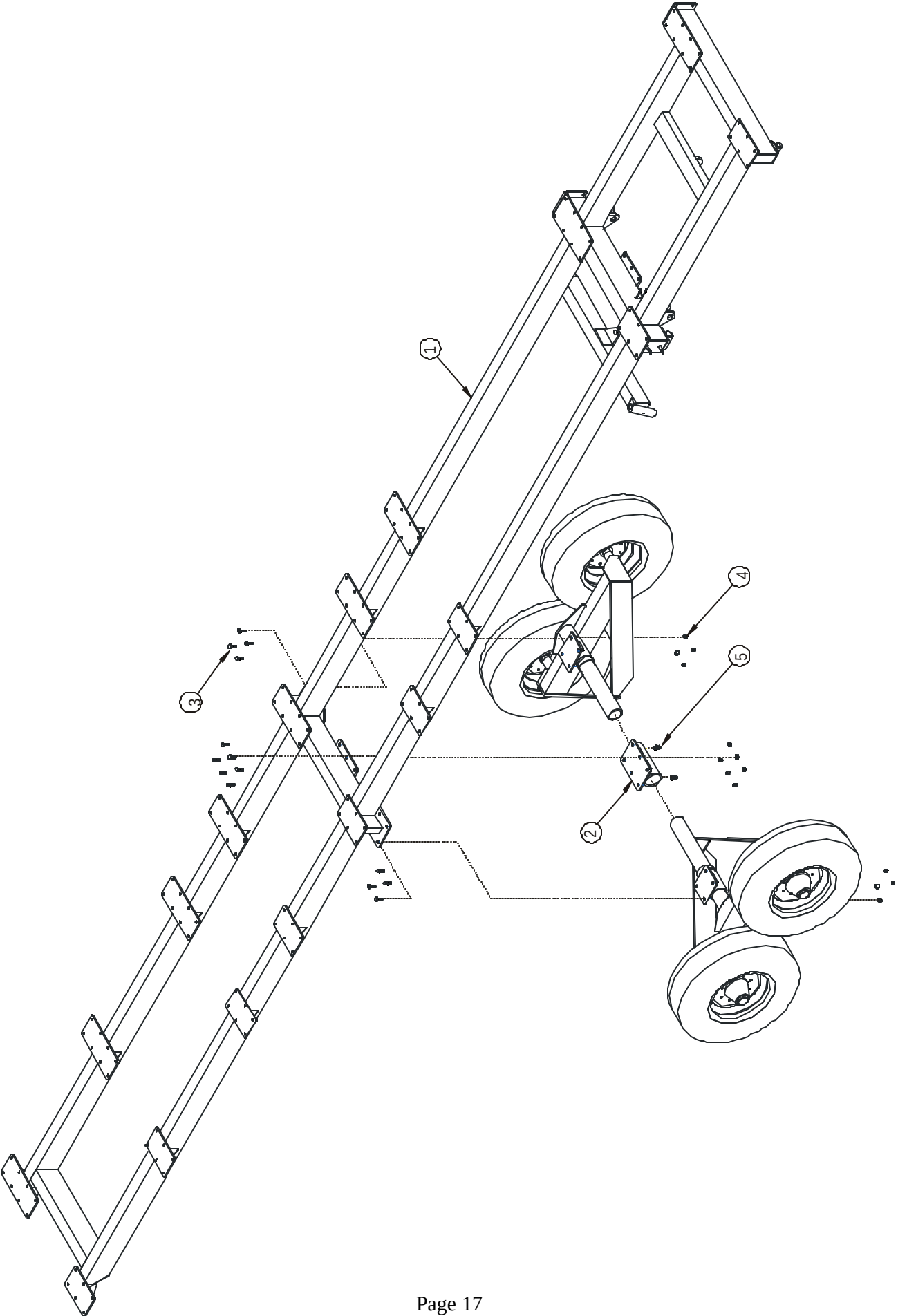
**3.1. 2 Wheel Assembly (Part No. 31795)**

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30104	RIM, 1.5X8, -1.5, 8, OFFWHITE	1
2	30100	SUSP, TIRE, 11LX 15FI, 12PLY	1
3	91048	SUSP, STEM, VALVE, TR801HP	1
4	33014	SUSP, TUBE, 11L-15	1



3.2 Subframe Assembly

Item	Part No.	Description	Quantity
1	45233	Frame, 7BM	1
2	45240	Pocket, Axle, Middle	1
3	31053	Bolt, Hex, 5/8 x 1-3/4	18
4	31178	Nut, Nylock, 5/8	18
5	30207	Zerk, Grease, 1/4-28, Straight	2



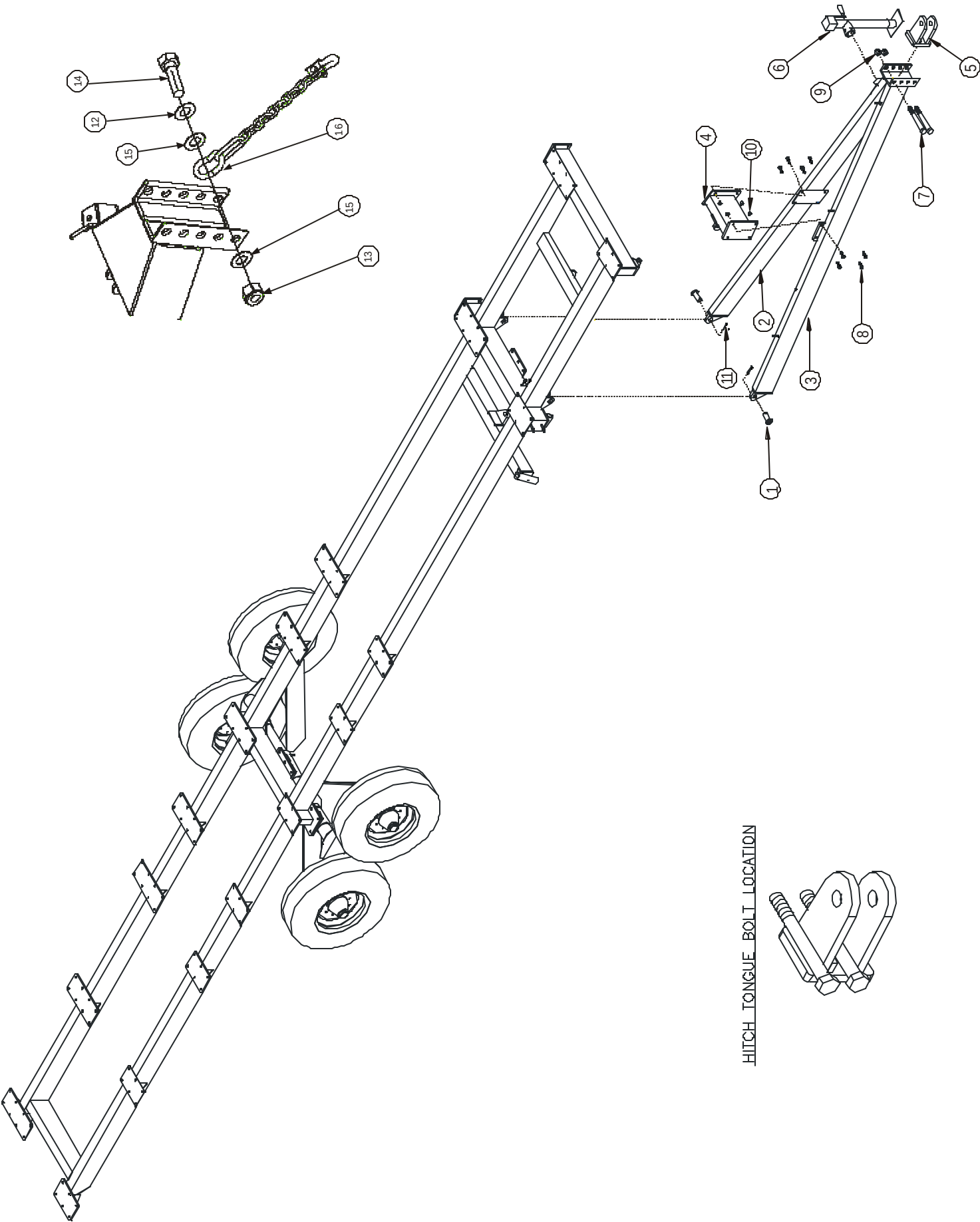
3.3 Hitch Assembly

Item	Part No.	Description	Quantity
1	40003	Pin, Hitch	2
2	45010	Hitch, A-Frame, Left	1
3	45011	Hitch, A-Frame, Right	1
4	40490	Hitch, Crossmember	1
5	40142	Hitch, Tongue, Double	1
6	31800	Jack, Sidewind, 5000lbs x 15	1
7	31038	Bolt, Hex, 1 x 7-1/2	2
8	31016	Bolt, Hex, 1/2 x 1-1/2	8
9	31172	Nut, Nylock, 1	2
10	31173	Nut, Nylock, 1/2	8
11	31182	Cotterpin, 1/4 x 2-1/2	2

Optional Safety Chain

ITEM NO.	PART NO.	DESCRIPTION	QTY.
12	31243	WASHER, LOCK, 1, ZP	1
13	31162	NUT, HEX, 1, UNC, GR5, ZP	1
14	31471	1"X3" HEX BOLT, UNC, GR5	1
15	31235	1" FLAT WASHER	2
16	31590	CHAIN, SAFETY, ASAE, 10100LB, 5'4"	1

*Place hitch crossmember (Item 4) in place leaving bolts loose.
 Insert double tongue hitch (Item 5) and tighten, making sure angles are flush.



3.4 Rail and Crossmember Assembly

Item	Part No.	Description	Quantity
1	40085	Arm, Divider, Bale	2
2	40140	Bracket, Cylinder	1
3	40134	Rail, Left	1
4	40135	Rail, Right	1
5	45016	Divider, Bale	1
6	31061	Bolt, U. Square, 1/2 x 3 x 7	4
7	45130	Frame, Rear	1
8	40088	Bumper, Bale	1
9	40118	Mount, Bumper, Bale	2
10	45282	Mount, Light, BM, Left	1
11	45283	Mount, Light, BM, Right	1
12	30206	Holder, Hose, Hydraulic, 1/2	1
13	92028	Sign, Slow Moving	1
14	92061	Bumper, Rubber	1
15	31052	Bolt, Hex, 5/8 x 2	6
16	31016	Bolt, Hex, 1/2 x 1-1/2	92
17	31033	Bolt, Hex, 1/4 x 3/4	2
18	31178	Nut, Nylock, 5/8	10
19	31173	Nut, Nylock, 1/2	99
20	31174	Nut, Nylock, 1/4	2
21	31236	Washer, Flat, 1/2	1
22	30269	Bolt, U. Square, 5/8 x 6 x 4-1/2	2
23	31241	Washer, Flat, 7/16	2
24	45278	Mount, Light, BM, Left	1
25	45280	Mount, Brkt, Light, BM, LT	1
26	31442	Pin, Hitch, 3/8x3	2
27	E5351	Tether, 16"	2
28	30559	Clamp, Rope, Wire, 1/16	4
29	45279	Mount, Light, BM, Right	1
30	45281	Mount, Brkt, Light, BM, RT	1

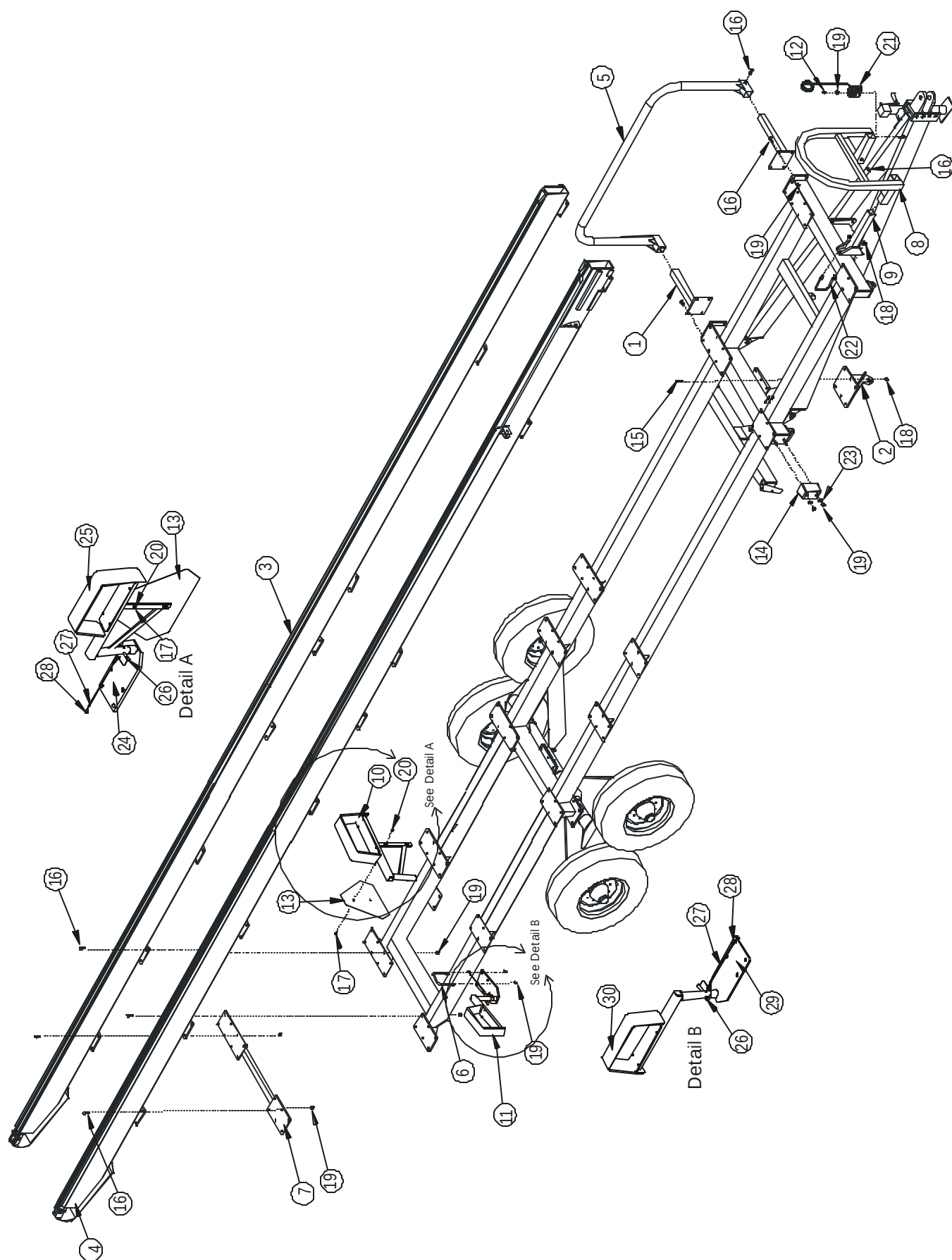
*Install all rails on subframe leaving bolts loose.

Install front crossmembers leaving bolts loose.

Install cylinder deck tube leaving bolts loose.

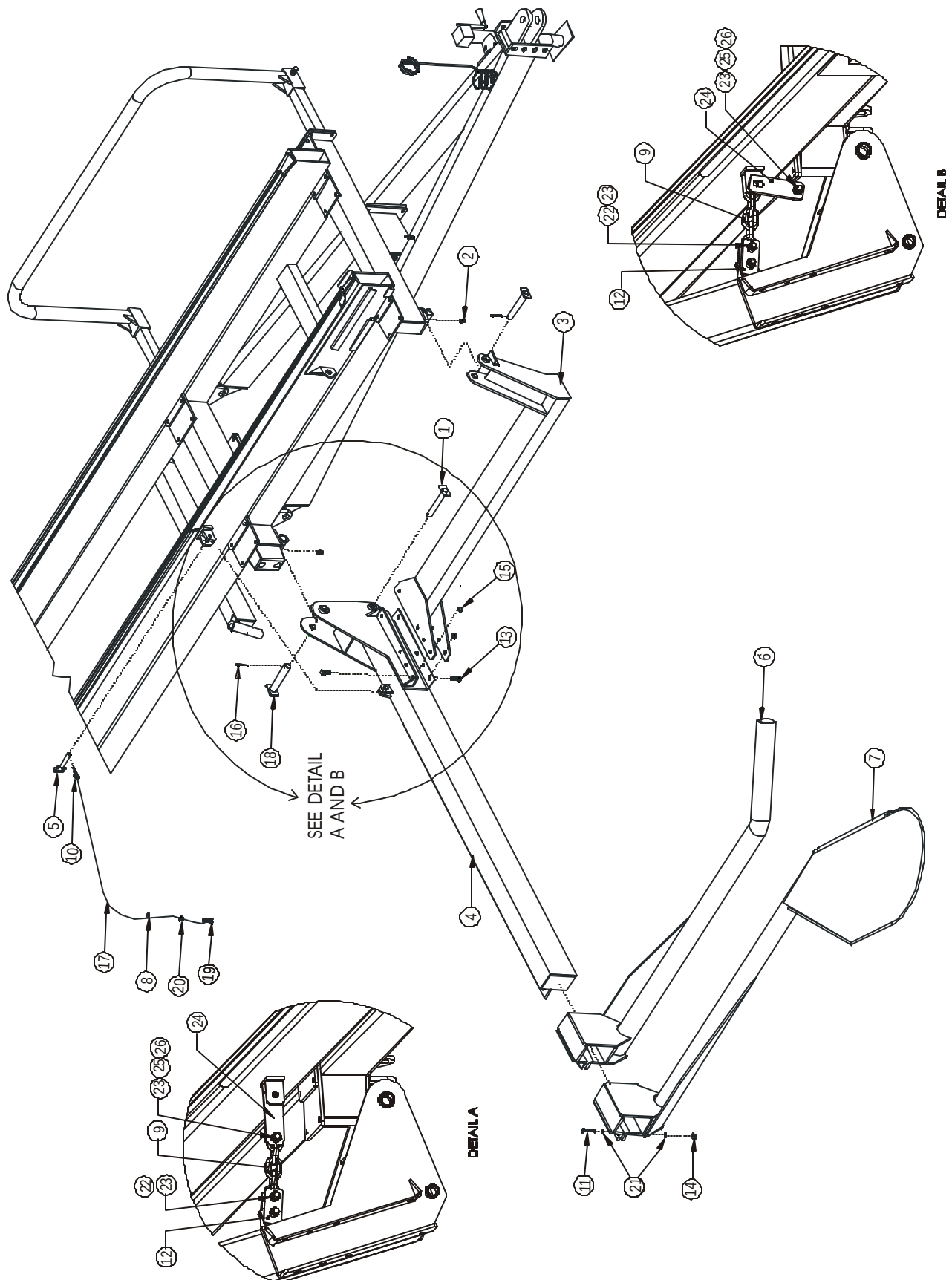
Install deck cylinder in the fully closed position between hitch and deck tube.

Lift hitch until front of Bale Mover is fully supported, then tighten all bolts.



3.5 Fork Assembly

Item	Part No.	Description	Quantity
1	40008	Pin, Apron, Pivot	1
2	30207	Zerk, Grease, 1/4-28, Straight	2
3	45236	Arm, Pivot, Right	1
4	40149	Arm, Slide, Pivot, Right	1
5	40019	Pin, Transport	1
6	40151	Fork, Right	1
7	40153	Fork, Right, 1/4 Turn	1
8	31236	Washer, Flat, 1/2	1
9	E5653	Chain, Link, 1/2, GR40, 5 Links	1
10	91608	Hairpin, 1/8 x 2-9/16	1
11	31041	Bolt, Hex, 3/4 x 3	4
12	E5652	Lug, Extension	2
13	31051	Bolt, Hex, 5/8 x 1-1/2	8
14	31175	Nut, Nylock, 3/4	4
15	31178	Nut, Nylock, 5/8	7
16	31182	Cotterpin, 1/4 x 2-1/2	3
17	E3764	Tether, Cable, Shield, Small	1
18	40010	Pin, Arm, Slide, Pivot	2
19	31018	Bolt, Hex, 1/2 x 2-1/2	1
20	31173	Nut, Nylock, 1/2	1
21	31238	Washer, Flat, 3/4	8
22	31336	Bolt, Hex, 5/8x3, UNC, GR5, ZP	2
23	31178	Nut, Nylock, 5/8, UNC, ZP	3
24	E4496	Lug, Extension, Chain, Trans	1
25	31052	Bolt, Hex, 5/8x2, UNC, GR5, ZP	1
26	31240	Washer, Flat, 5/8, ZP	1



3.6 Chain Assembly

Item	Part No.	Description	Quantity
1	40115	Tightener, Motor, Left	1
2	40116	Tightener, Motor, Right	1
3	40121	Pin, Sprocket, Rear	2
4	30197	Pin, Spring, 3/16 x 1-1/2	2
5	30207	Zerk, Grease, 1/4-28, Straight	2
6	91508	Chain, 37ft.	4
7	91510	Link, Connecting, C2062	4
8	30651	Roller, Chain, 3 OD x 1-1/4 ID	2
9	92024	Bushing, Brass	2
10	31159	Nut, Acme, 1. 5, RH	4
11	31243	Washer, Lock, 1	2
	91517	Chain, Length, C2064	Per Foot
*12	91511	Link, Connecting, Half, C2062	1

*Not Shown

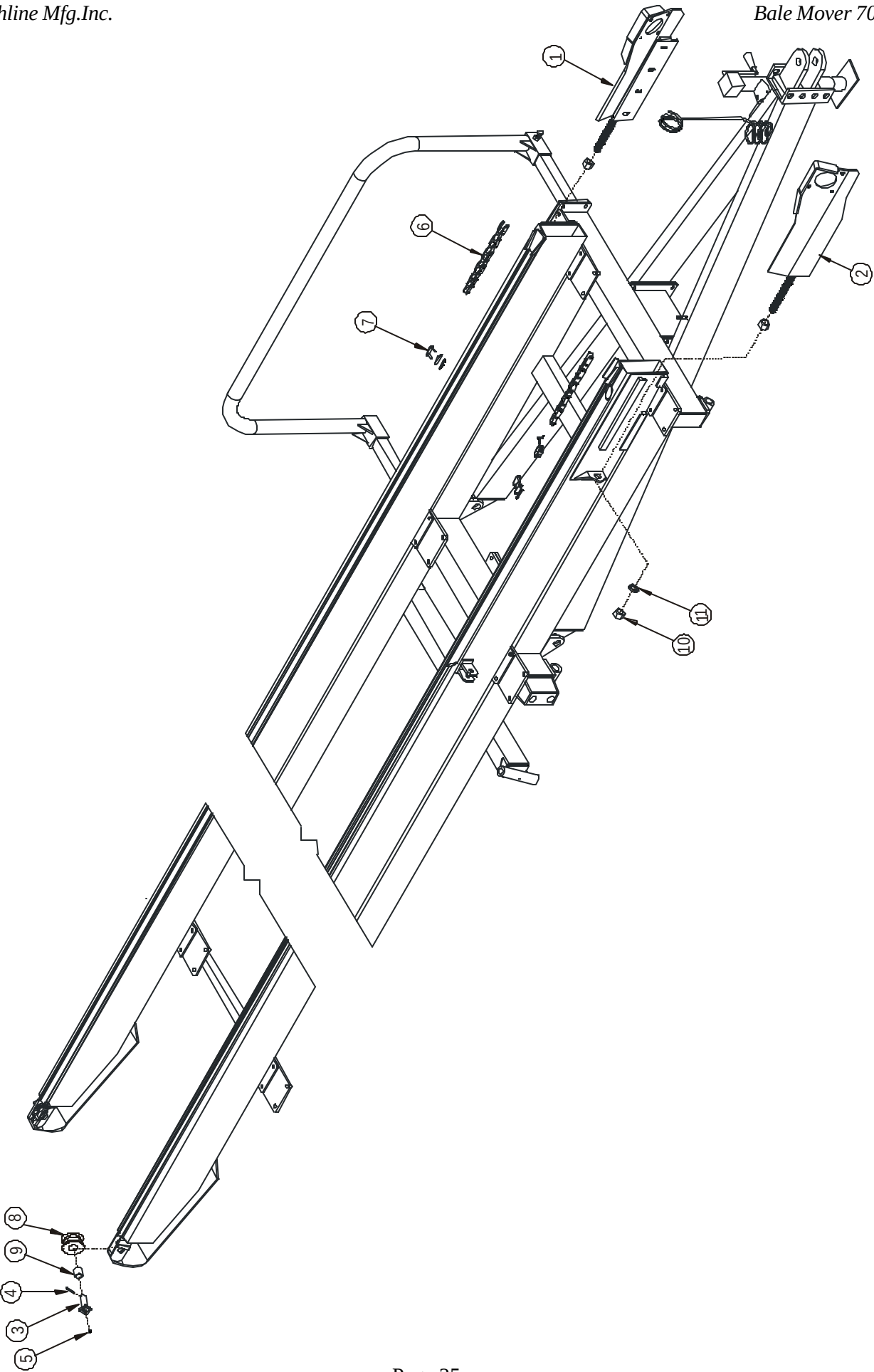
******Install inside motor hydraulic fittings before installing chain and chain tighteners.

The motors have been loosened so that the fittings can be turned into place.

The fittings go in the back port of the motors.

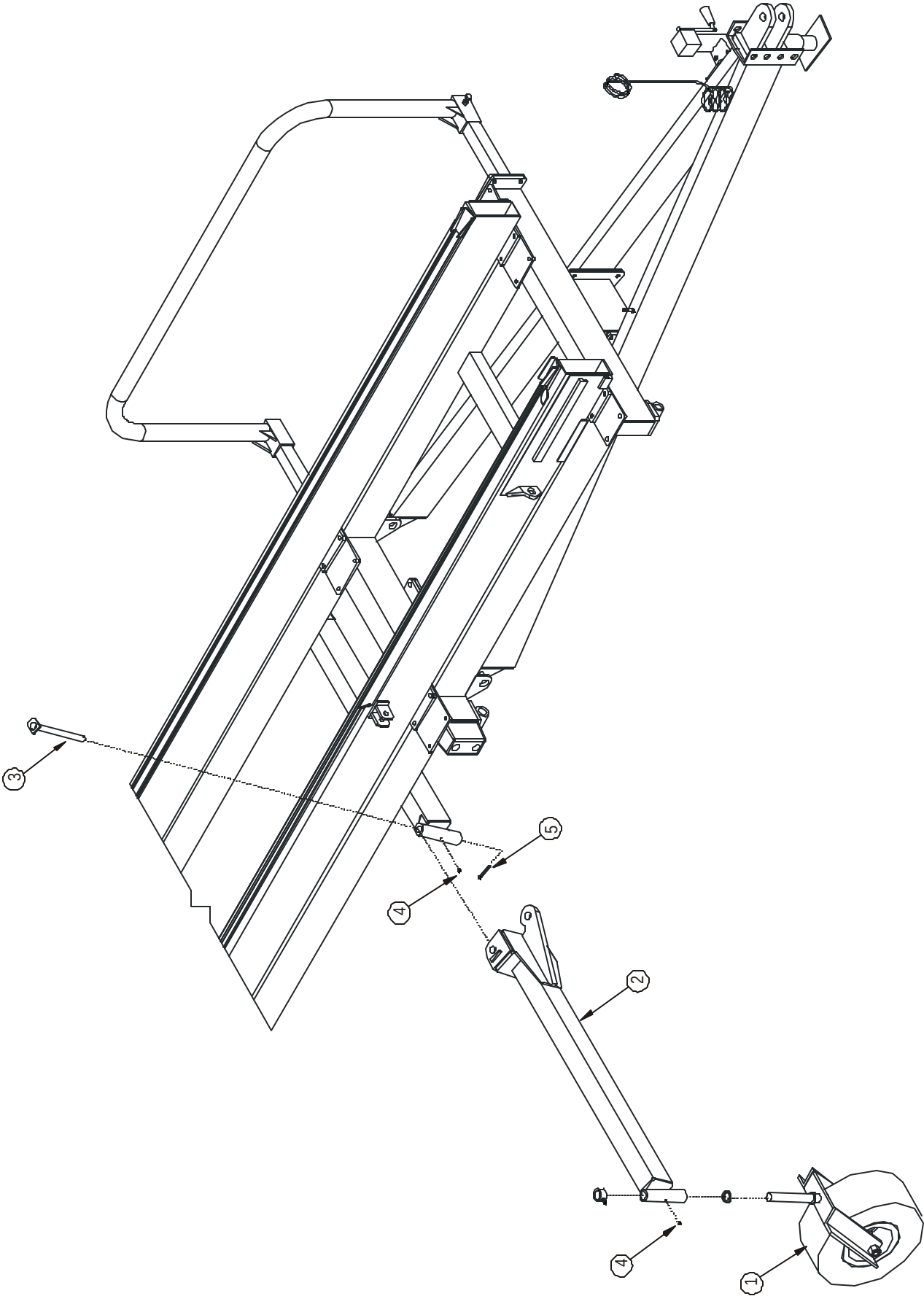
Chain is fed from the back of the machine. This is accomplished by feeding a piece of wire from the front through the tube and pulling the chain through. One person can do this, but two people make the operation easier.

The chain should be tightened so that the top of the chain is visible in the bottom of the sight hole in the rail.



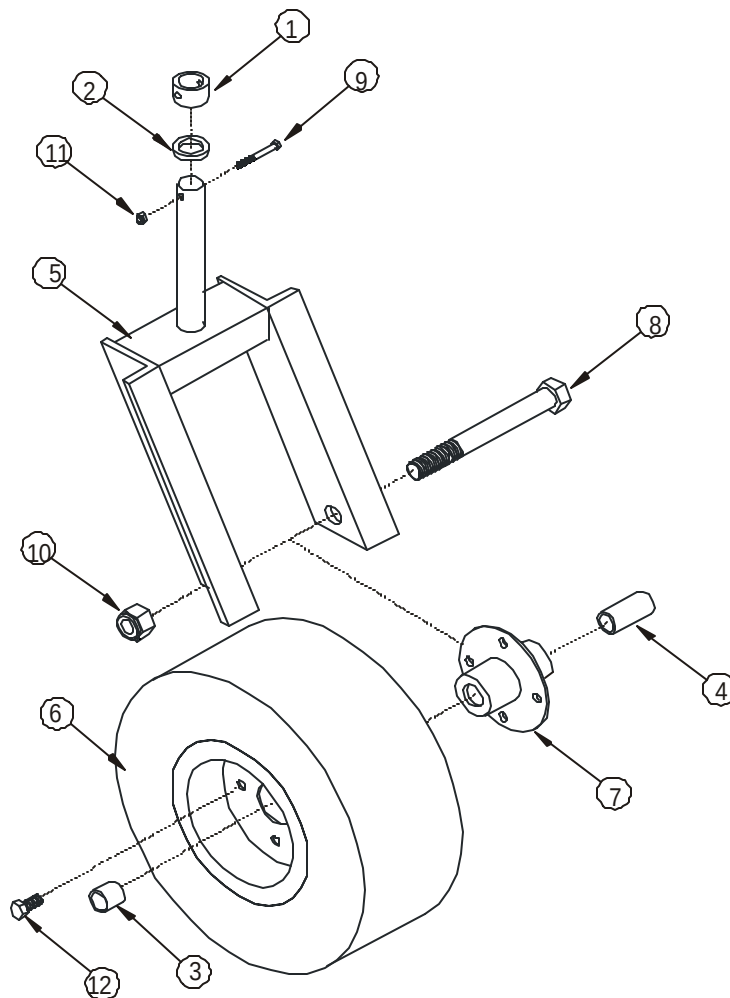
3.7 Castor Wheel Support

Item	Part No.	Description	Quantity
1	40176	Wheel, Castor	1
2	40136	Arm, Pivot, Wheel, Castor	1
3	45025	Pin, Arm, Pivot, Wheel, Castor	1
4	30207	Zerk, Grease, 1/4-28, Straight	2
5	31182	Cotterpin, 1/4 x 2-1/2	1



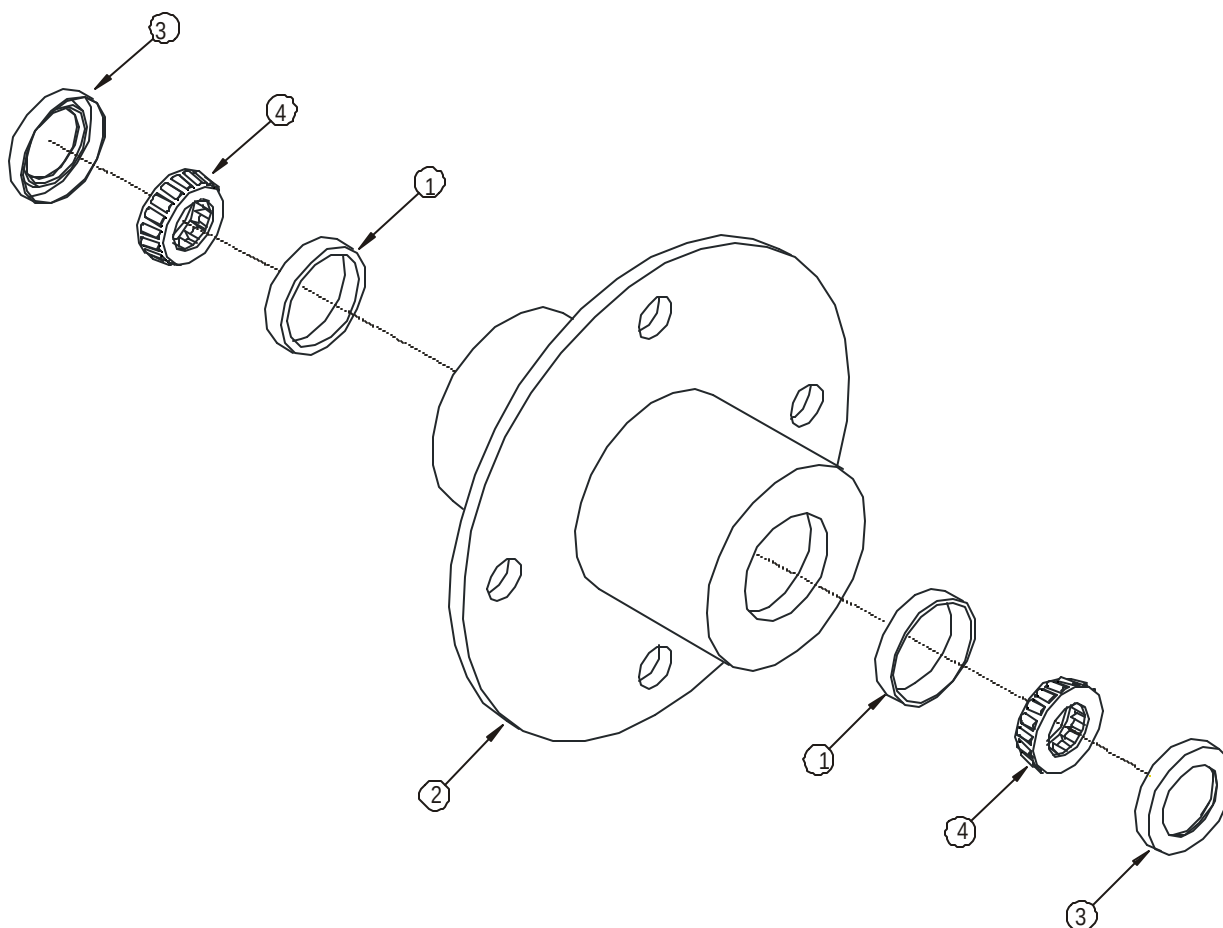
3.7.1 Castor Wheel (Part No. 40176)

Item	Part No.	Description	Quantity
1	E2852	Spacer, Wheel, Castor, Top	1
2	E2853	Spacer, Wheel, Castor, Bottom	1
3	E4835	Bushing, 1-1/4 x 1 x 1-3/8	1
4	E4836	Bushing, 1-1/4 x 1 x 2-1/4	1
5	70063	Fork, Wheel, Castor	1
6	91031	Tire, Complete, 16.5 x 6.5, 4-hole	1
7	91073	Hub, HDA211F	1
8	31039	Bolt, Hex. 1 x 9	1
9	31031	Bolt, Hex. 1/4 x 2-1/2	1
10	31172	Nut, Nylock, 1	1
11	31174	Nut, Nylock, 1/4	1
12	91060	Bolt, Wheel, 1/2	4



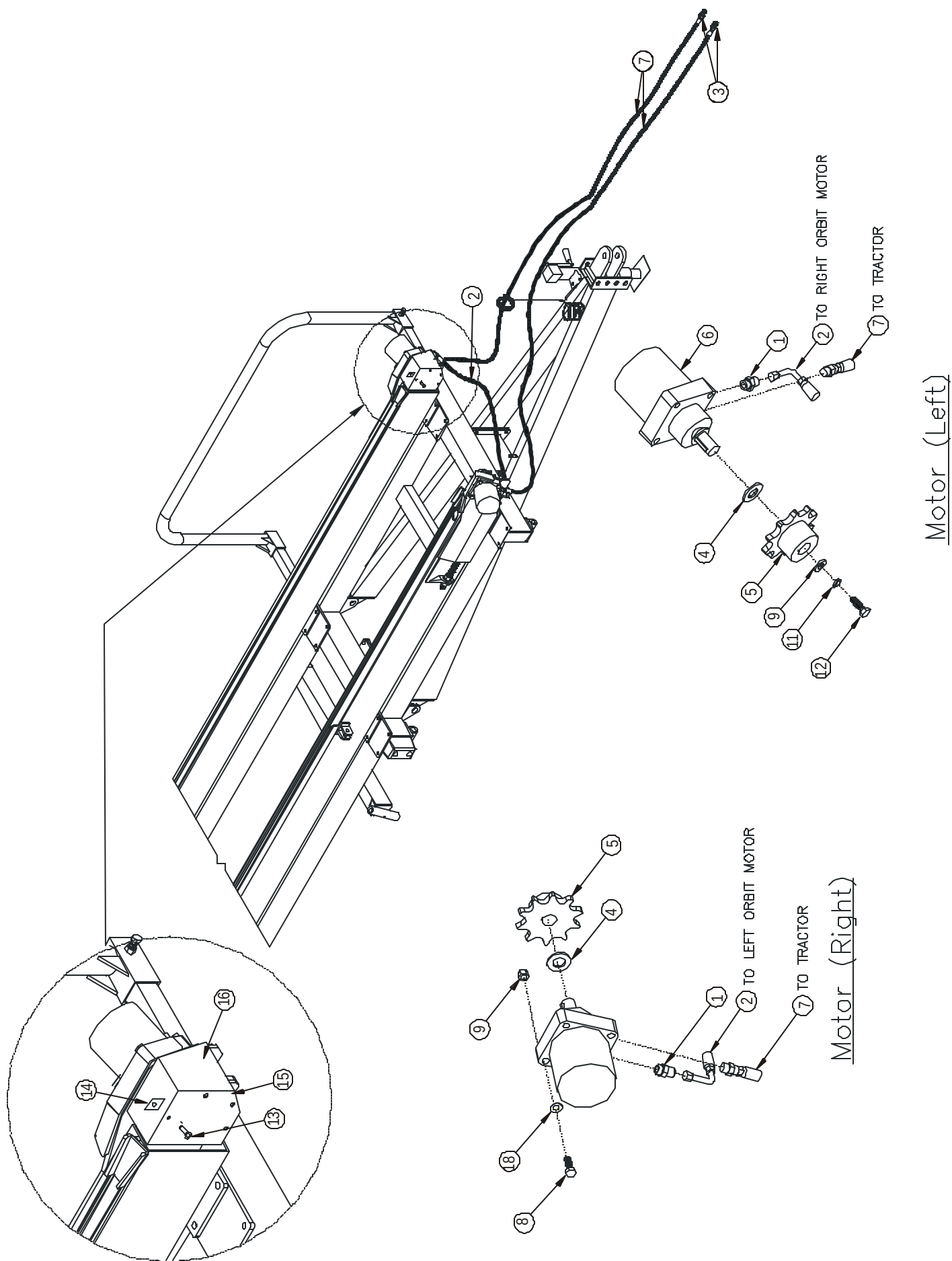
3.7.2 Castor Wheel Hub Assembly

Item	Part No.	Description	Quantity
1	30232	Bearing. Race	2
2	91073	Hub. HDA211F	1
3	91093	Seal. SE11	2
4	91113	Bearing	2



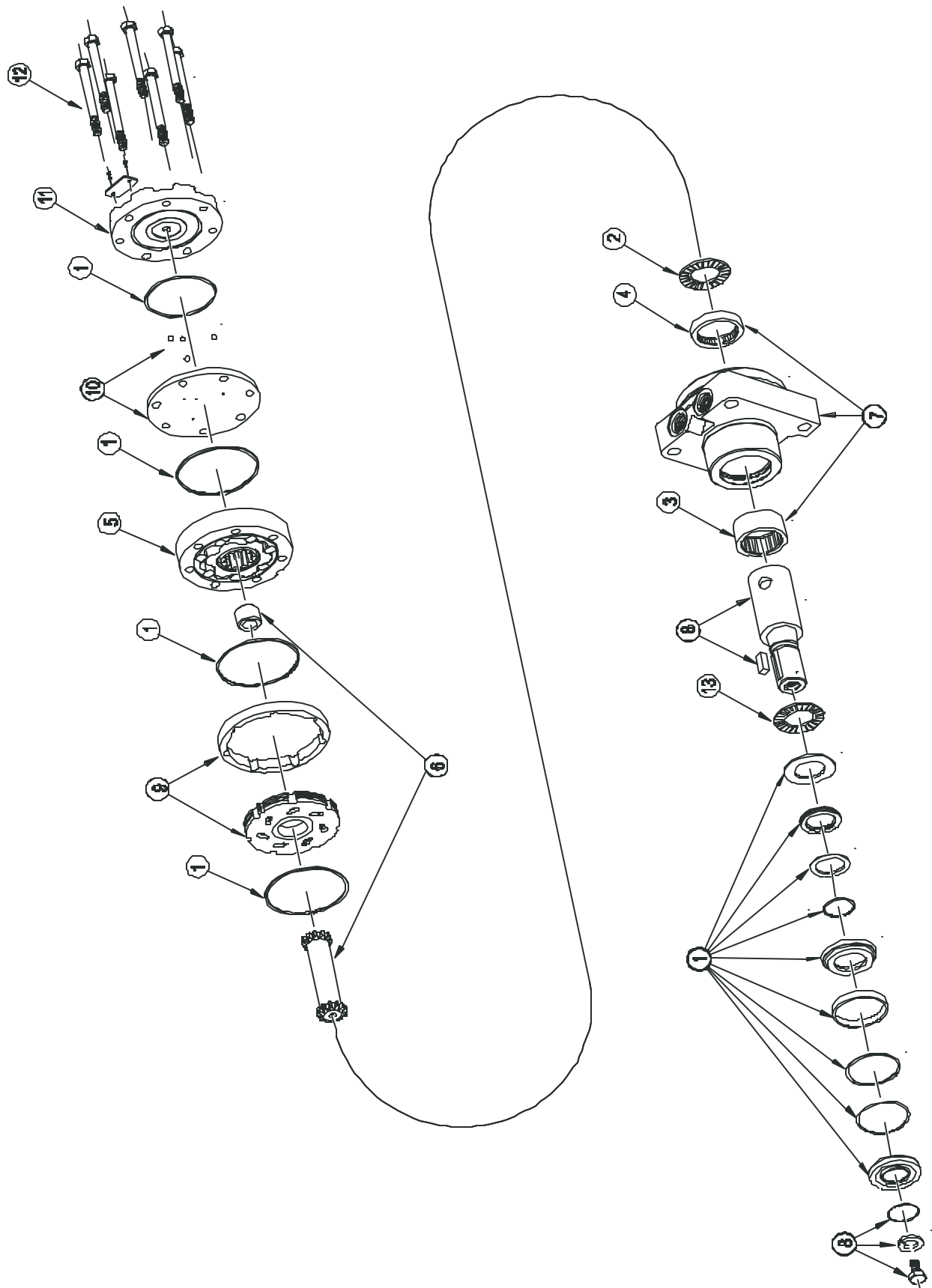
3.8 Motor Hydraulics

Item	Part No.	Description	Quantity
1	30204	Fitting, Adapter, 10MB-8MJ	2
2	30205	Hose, 1/2 x 57, 8FJ90TL	1
3	30209	Fitting, Pioneer, Male, 8FP	2
4	32071	Washer, Flat, 1-1/4 I.D. x 1-7/8 O.D.	2
5	92063	Drv, Sprocket, 2062, 10 Tooth, 1-1/4	2
6	92184	Motor, 45 cu.in., 2000 psi.	2
7	90310	Hose, 1/2 x 96, 10MB-8MP	2
8	31797	Bolt, Socket, 1/2 x 2-3/4	8
9	31173	Nut, Nylock, 1/2	8
10	31240	Washer, Flat, 5/8	2
11	31218	Washer, Lock, 5/8	2
12	31545	Bolt, Hex, 5/8 x 1, UNF, GR5, ZP	2
13	31033	Bolt, Hex, 1/4 x 3/4	8
14	31593	Clip, Automotive, 1/4	8
15	E4803	Plate, Face, Guard	2
16	E4810	Housing, Guard, BM, Left	1
17	E4802	Housing, Guard, BM, Right	1
18	31236	Washer, Flat, 1/2	8



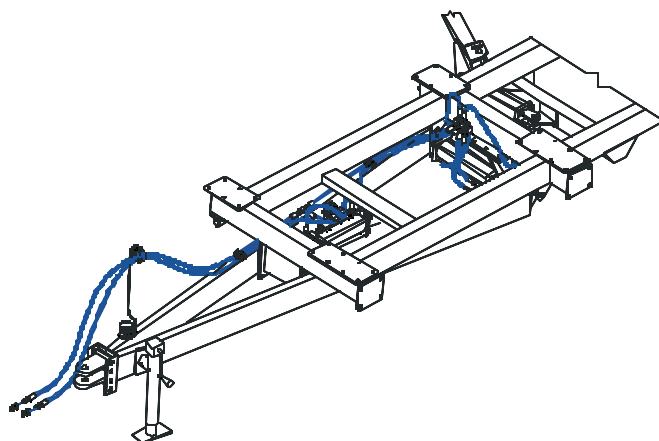
3.8.1 Orbit Motor Assembly (Part No. 92184)

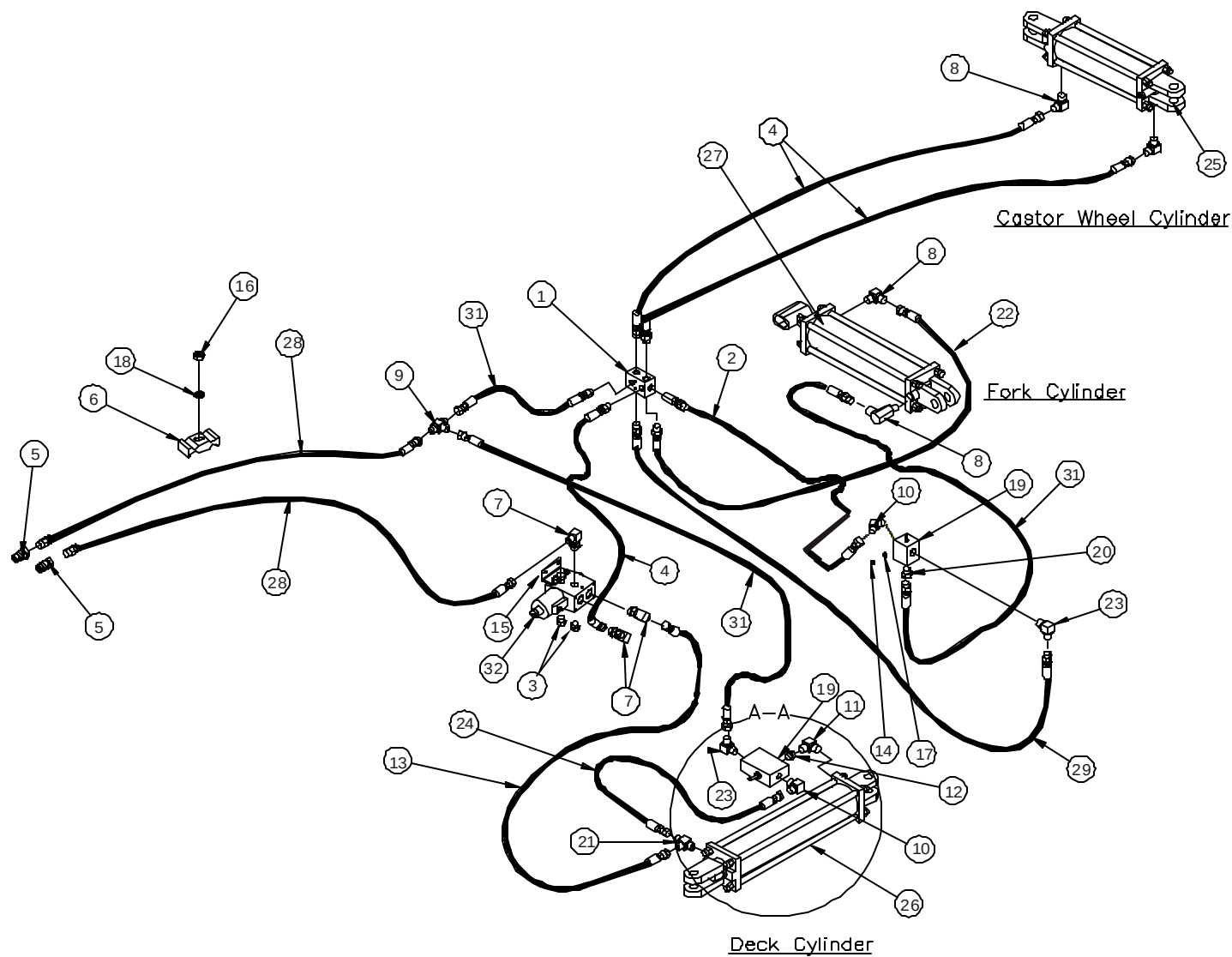
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	32647	HYD,MOTOR,SEALKIT,ROLLER,STATOR	1
2	32651	BEARING,THRUST,REAR	1
3	32720	BRG,HOUSING,FRONT	1
4	32649	BEARING,HOUSING,REAR,1/2"	1
5	32721	KIT,ROTOR	1
6	32722	KIT,LINK,DRIVE	1
7	32723	KIT,HOUSING	1
8	32724	KIT,SHAFT	1
9	32725	KIT,MANIFOLD	1
10	32726	PLATE,BALANCE	1
11	32727	COVER,END	1
12	32728	KIT,BOLT	1
13	32639	BEARING,THRUST,FRONT	1



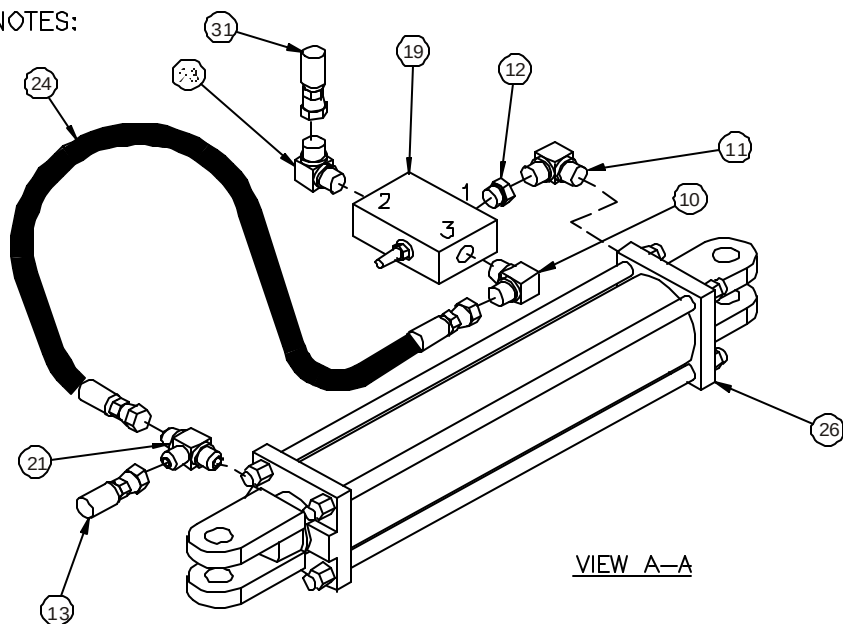
3.9 Cylinder Hydraulics

Item	Part No.	Description	Quantity
1	E4726	Block, Tee, Hyd	1
2	30198	Hyd, Hose, 3/8 x 18, 6FJX-6MP	1
3	30200	Hyd, Fit, Plug, 8MB	1
4	30201	Hyd, Hose, 3/8 x 44, 8FJX-6MP	3
5	30209	Hyd, Fit, Pioneer, Male, 8FP	2
6	30210	Hyd, Clamp, Hose, 1/2	3
7	30211	Hyd, Fit, Elbow, 8MB-8MJ90	3
8	30212	Hyd, Fit, Elbow, 8MP-8MJ90	4
9	30313	Hyd, Fit, Tee, 8MJ-8MJ-8MJ	1
10	30309	Hyd, Fit, Elbow, 6MB-6MJ90	2
11	30580	Hyd, Fit, Elbow, 8MP-6MJ90	1
12	30581	Hyd, Fit, Adapter, 6FJX-6MB	1
13	30584	Hyd, Hose, 3/8 x 10, 6FJX-8FJX90TS	1
14	31174	Nut, Nylock, 1/4, UNC, ZP	4
15	31176	Nut, Nylock, 3/8, UNC, ZP	2
16	31177	Nut, Nylock, 5/16, UNC, ZP	3
17	31237	Washer, Flat, 1/4, ZP	2
18	31239	Washer, Flat, 5/16, ZP	3
19	30653	Hyd, Check, Pilot, 3x6MB	2
20	32033	Hyd, Fit, Adapter, 8MJ-6MB	1
21	32035	Hyd, Fit, Tee, 8MPR-8MJ	1
22	32055	Hyd, Hose, 3/8 x 19, 6MP-8FJX	1
23	32079	Hyd, Fit, Elbow, 6MB-8MJ90	2
24	32963	Hyd, Hose, 3/8 x 15, 8FJX, 2000 PSI	1
25	90117	Hyd, Cyl, 3 x 8, 1.25, 8FP	1
26	90118	Hyd, Cyl, 3 x 10, 1.25, 8FP	1
27	90120	Hyd, Cyl, 3.5 x 13, 1.5, 8FP	1
28	90301	Hyd, Hose, 3/8 x 120, 8MP-8FJX	2
29	90305	Hyd, Hose, 3/8 x 30.5, 6MP-8FJX	1
30	90308	Hyd, Hose, 3/8 x 50, 8FJX-6MP	1
31	90313	Hyd, Hose, 3/8 x 18, 8FJX-8FJX	2
32	92089	Hyd, Valve, Solenoid	1



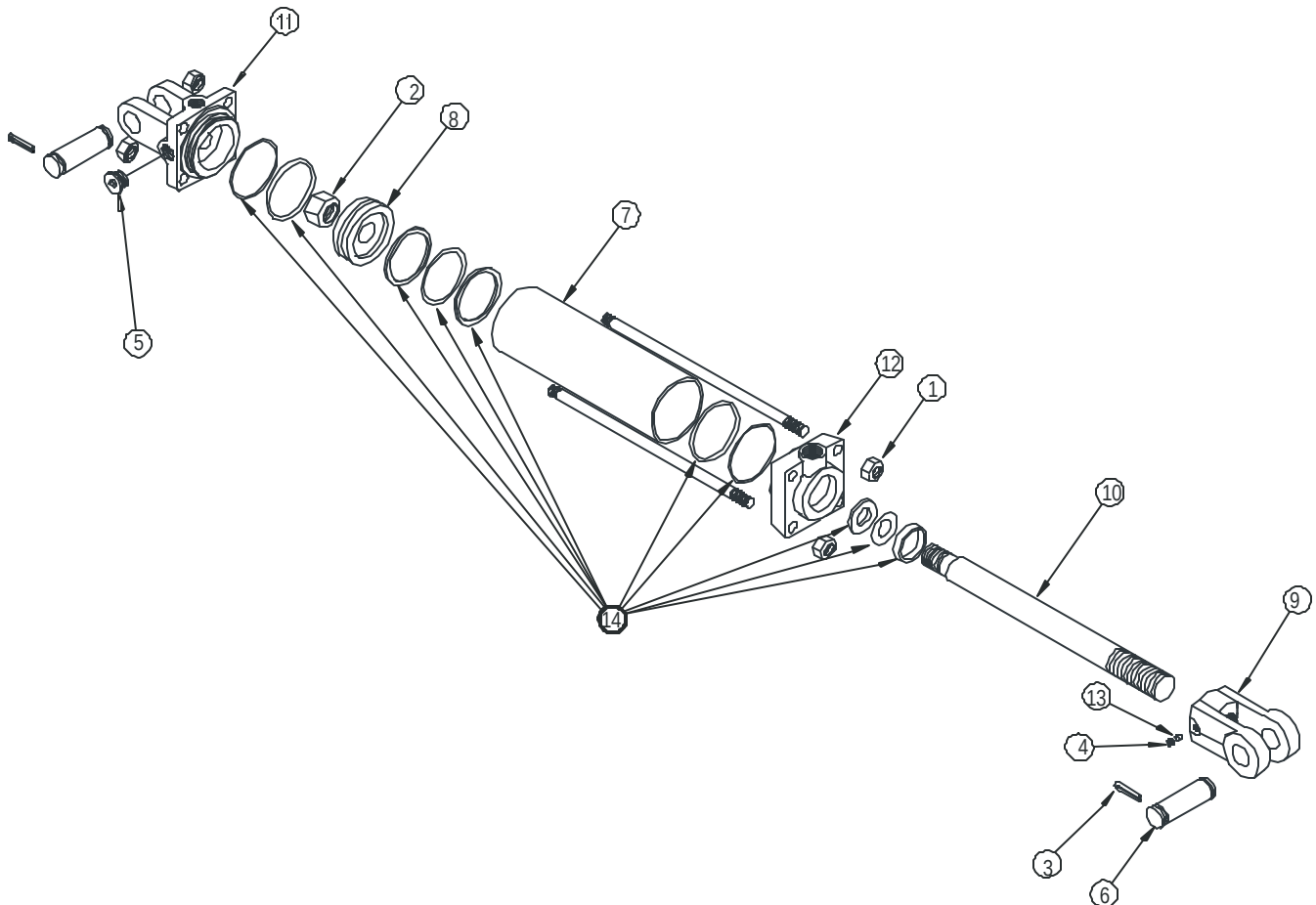


NOTES:



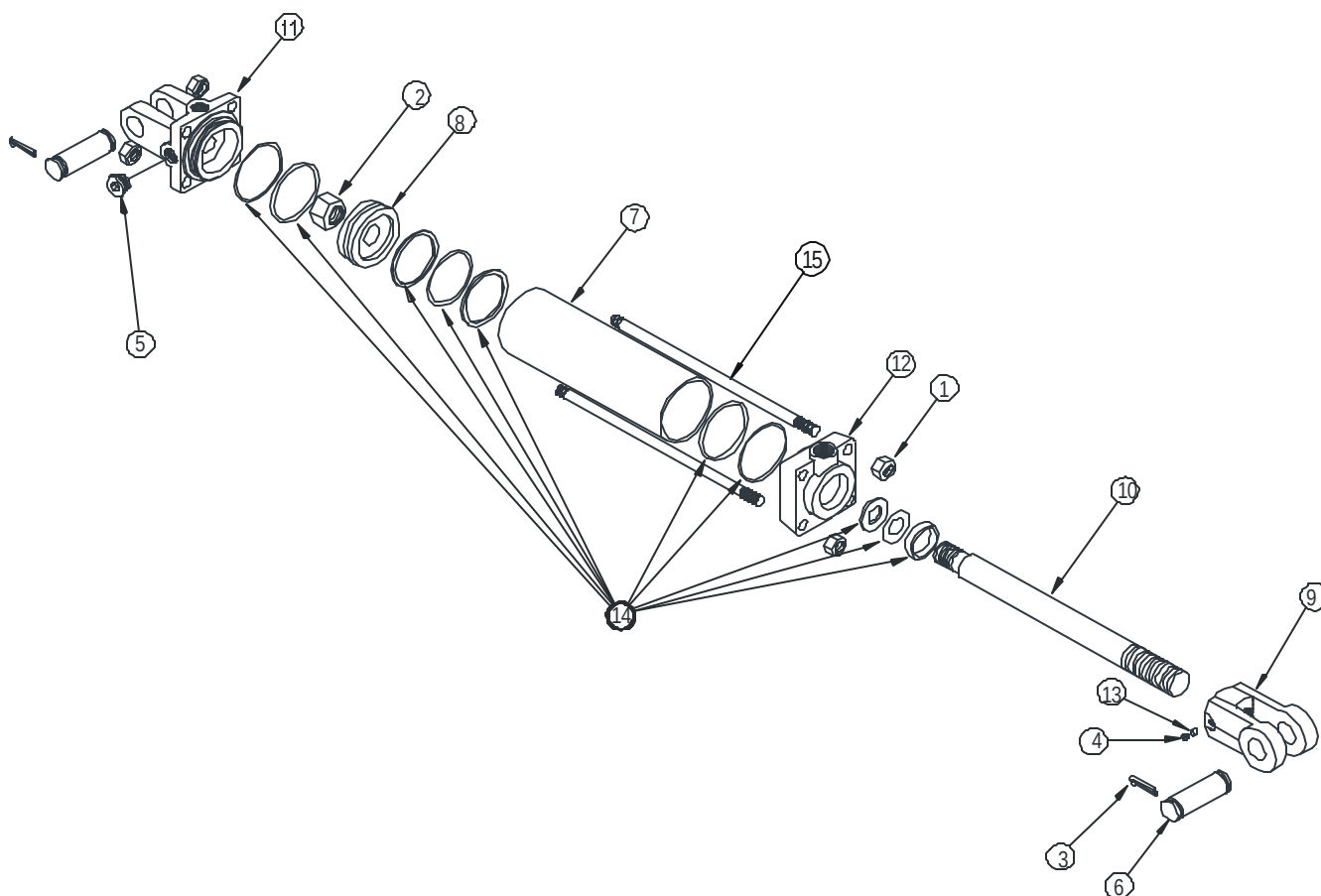
3.9.1 3 x 8 Cylinder (Part No. 90117)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	31163	NUT,HEX,1/2,UNC,GR5,ZP	8
2	30237	NUT,HEX,1,UNS,GR5	1
3	30238	PIN,COTTER,3/16X1-1/2	4
4	30239	SET SCREW,SOCKET,3/8X1-1/2KNUR	1
5	30240	HYD,FIT,PLUG,1/2-14,NPTF,DRYSEAL	1
6	32250	HYD,CYL,PIN,1	2
7	30243	HYD,CYL,3X8,H6183	1
8	30250	HYD,CYL,PISTON,3,H6680	1
9	30253	HYD,CLEVIS,1-1/4,1PIN	1
10	30254	HYD,CYL,TIEROD,1/2X8	1
11	30256	HYD,CYL,CLEVIS,CAP,3,NPTF	1
12	30257	HYD,CYL,CAP,ROD,ROD,3X1-1/4,NPTF	1
13	30261	LOCK,THREAD,NYLOCK	1
14	30262	HYD,CYL,SEALKIT 3,1-1/4ROD	1



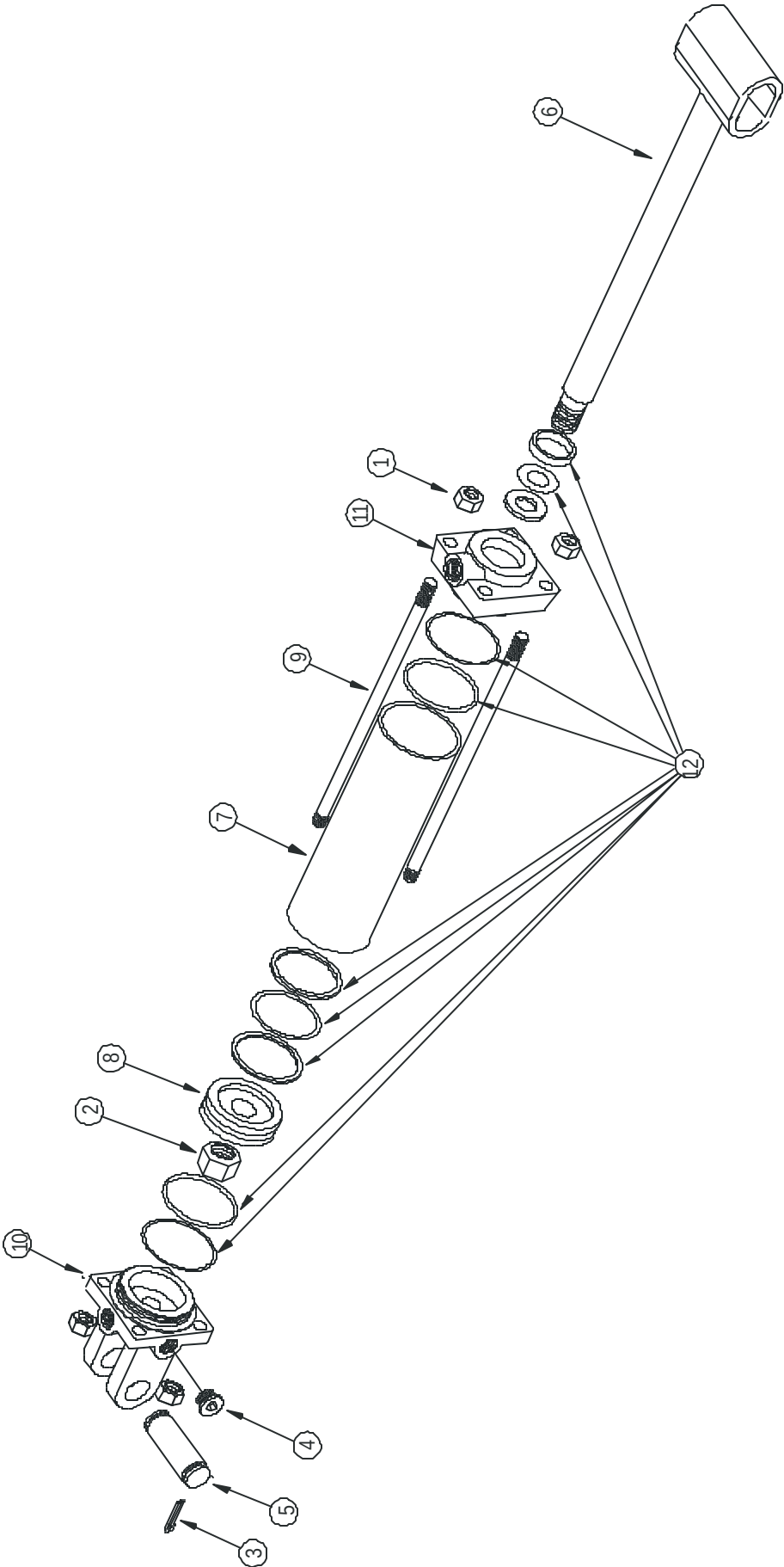
3.9.2 3 x 10 Cylinder (Part No. 90118)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	31163	NUT,HEX,1/2,UNC,GR5,ZP	8
2	30237	NUT,HEX,1,UNS,GR5	1
3	30238	PIN,COTTER,3/16X1-1/2	4
4	30239	SETSCREW, SOCKET, 3/8X1-1/2KNUR	1
5	30240	HYD,FIT,PLUG,1/2-14,NPTF,DRYSEAL	1
6	32250	HYD,CYL,PIN,1	2
7	30244	HYD,CYL,3X10,H6140	1
8	30250	HYD,CYL,PISTON,3,H6680	1
9	30253	HYD,CLEVIS,1-1/4,1PIN	1
10	30260	HYD,CYL,ROD,1-1/4X12-5/8	1
11	30256	HYD,CYL,CLEVIS,CAP,3,NPTF	1
12	30257	HYD,CYL,CAP.ROD,ROD,3X1-1/4,NPTF	1
13	30261	LOCK,THREAD,NYLOCK	1
14	30262	HYD,CYL,SEALKIT,3,1-1/4ROD	1
15	33015	HYD,CYL,TIEROD,1/2X10	4



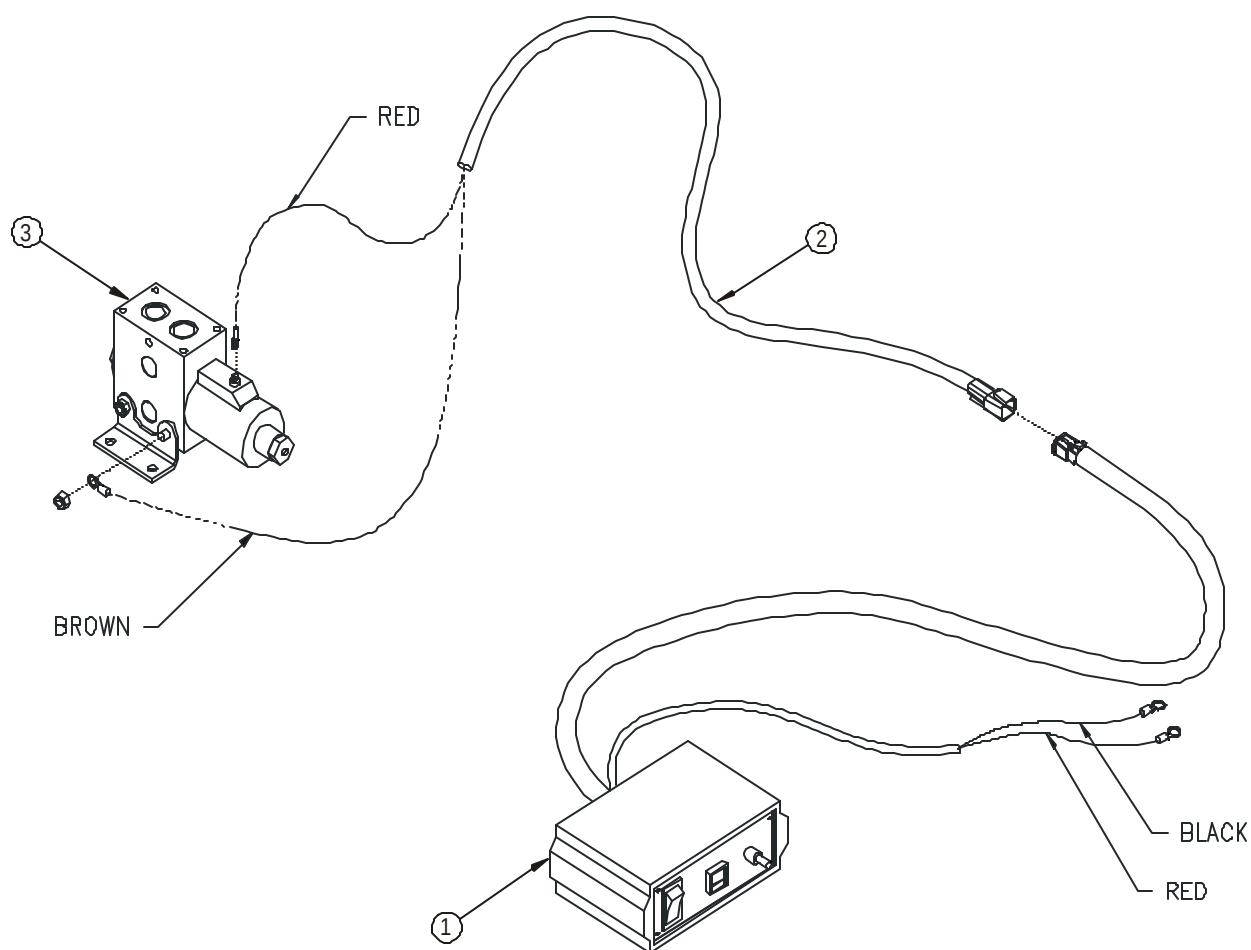
3.9.3 3-1/2 x 13 Cylinder (Part No. 90120)

Item	Part No.	Description	Quantity
1	30236	Nut, Hex, 5/8, UNC, GR5, ZP	8
2	30237	Nut, Hex, 1, UNS, GR5	1
3	30238	Pin, Cotter, 3/16 x 1-1/2	2
4	30240	Hyd, Fit, Plug, 1/2-14, NPTF, Dryseal	1
5	32250	Hyd, Cyl, Pin, 1	1
6	30242	Hyd, Cyl, Rod, 1-1/2 x 17	1
7	30245	Hyd, Cyl, 3-1/2 x 13, H6203	1
8	30251	Hyd, Cyl, Piston, 3-1/2, H6688	1
9	30255	Hyd, Cyl, TieRod, 5/8 x 13, Special	4
10	30258	Hyd, Cyl, Clevis, Cap, 3-1/2, NPTF	1
11	30259	Hyd, Cyl, Cap, Rod, 3-1/2 x 1-1/2, 8FP	1
12	30263	Hyd, Cyl, Seal Kit, 3-1/2	1



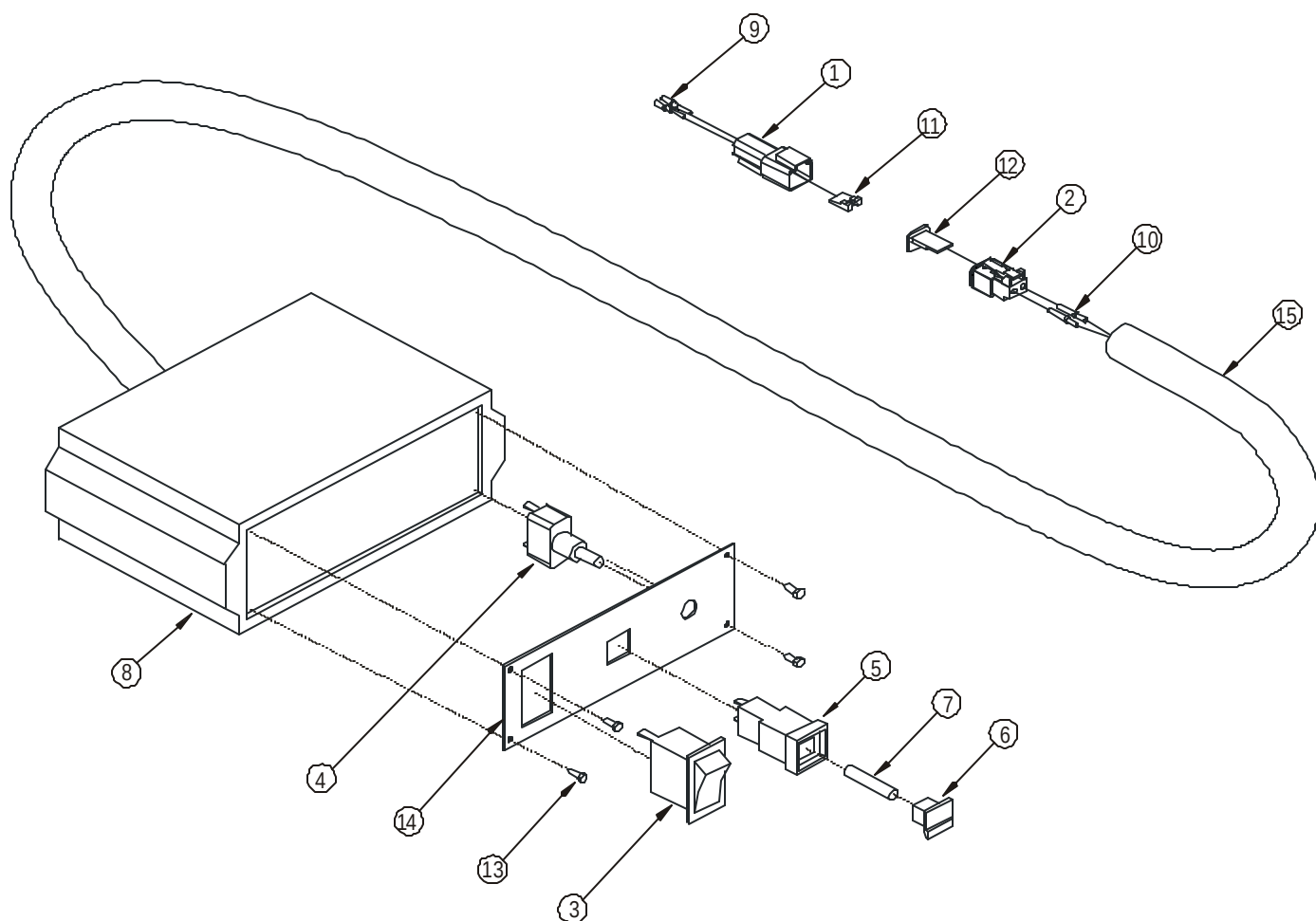
3.10 Electrical Schematic

Item	Part No.	Description	Quantity
1	40102	Box, Control	1
2	92078	Harness, Extension	1
3	92089	Valve, Solenoid	1



3.10.1 Control Box and Wiring Harness

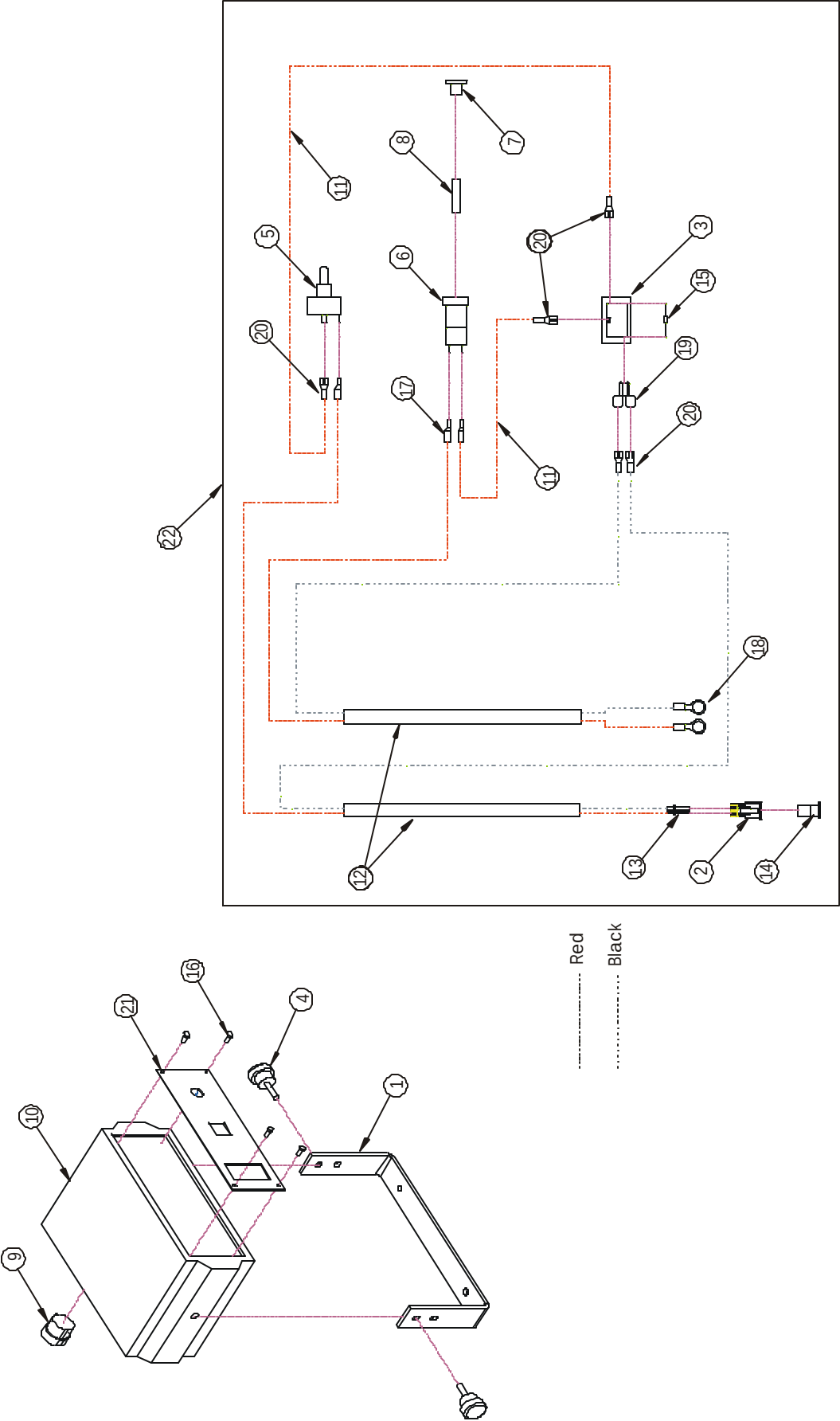
Item	Part No.	Description	Quantity
1	92103	Connector, 2-Pin, Male	1
2	92105	Connector, 2-Pin, Female	1
3	92107	Switch, Rocker	1
4	92136	Switch, Toggle	1
5	92138	Holder, Bus, Body	1
6	92139	Holder, Bus, Cap	1
7	92140	Fuse, Bus, 12V20A, Fast	1
8	92146	Plastic, Enclosure	1
9	92157	Connector, Pin, Male	2
10	92158	Connector, Socket, Female	2
11	92159	Wedge, 2-Pin, Male	1
12	92160	Connector, Wedge, 2-Pin, Female	1
13	92164	Screw, Tapping, #4 x 1/4	4
14	92221	Aluminum, Plate, Box, Control	1
15	90137	Wiring, Box, Control, 6 ft. (See Page 42)	1



3.10.2 Control Box Schematic

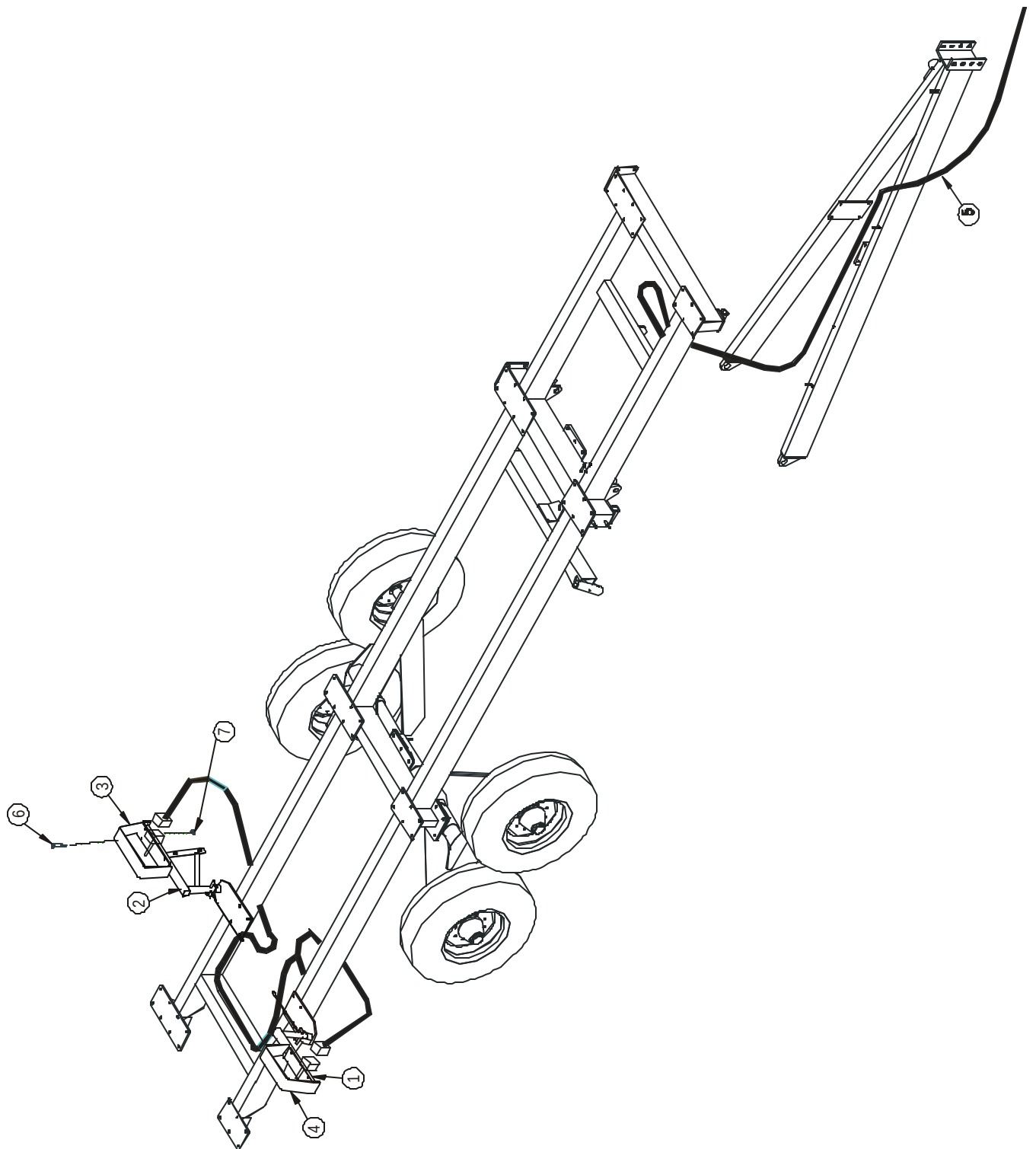
Item	Part No.	Description	Quantity
1	E4751	Bracket, Box, Control	1
2	92105	Connector, 2-Pin, Female	1
3	92107	Switch, Rocker	1
4	92119	Screw, Thumb	2
5	92136	Switch, Toggle	1
6	92138	Holder, Bus, Body	1
7	92139	Holder, Bus, Cap	1
8	92140	Fuse, Bus, 12V20A, Fast	1
9	92142	Bushing, Relief	1
10	92146	Plastic, Enclosure	1
11	92151	Wire, 16, Red, Strand	.833 ft
12	92156	Cable, 2C-16GA	14 ft
13	92158	Connector, Socket, Female	2
14	92160	Connector, Wedge, 2-Pin, Female	1
15	92163	Diode, 12V, 20A	1
16	92164	Screw, Tapping, #4 x 1/4	4
17	92165	Connector, QD, 188F, 16-14, ST, INS	2
18	92166	Connector, Ring, 3/8, 16GA	2
19	92168	Connector, ADP, F/M/M, 1/4	1
20	92169	Connector, QD, 250F, 16-14, ST, INS	6
21	92221	Aluminum, Plate, Box, Control	1
*22	90137	Assy, Wiring, Box, Control, BM	1

*Note: Item 22 to include Items 2,11,12,13,14,17,18 and 20.



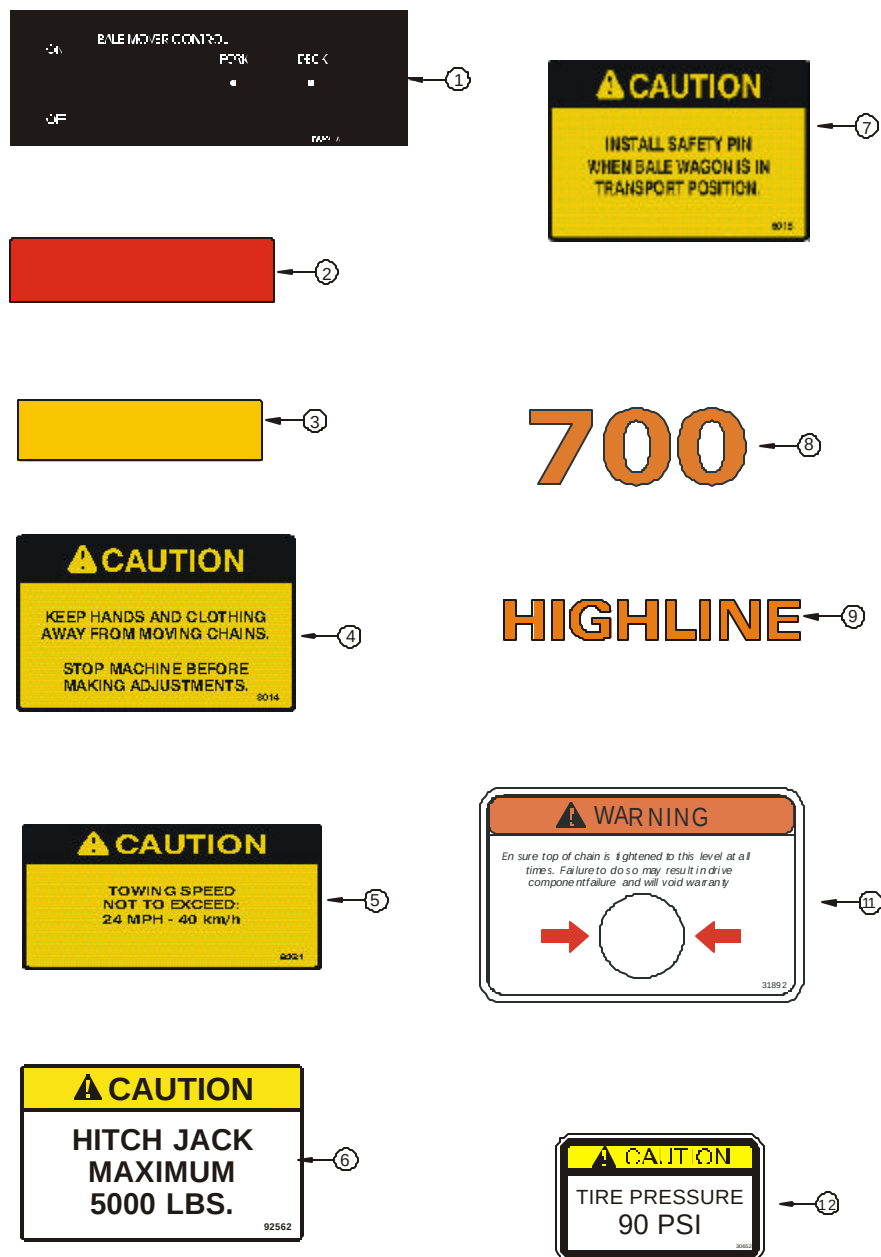
3.11 Light Assembly

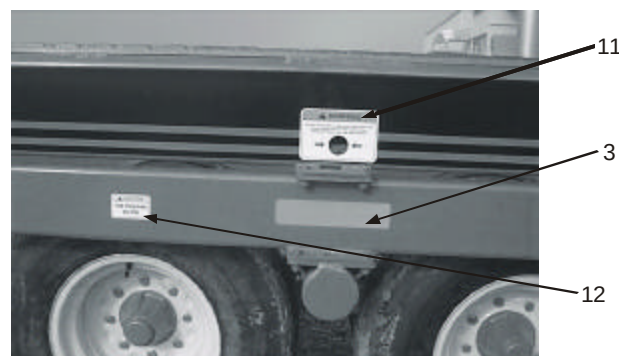
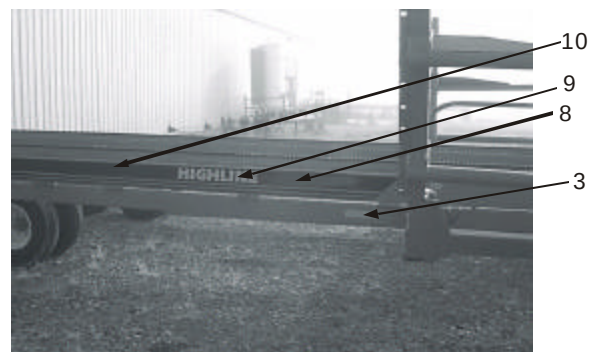
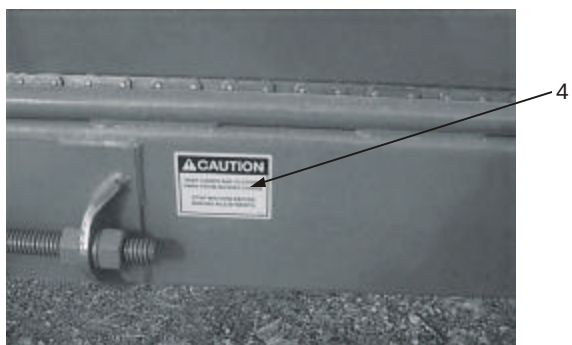
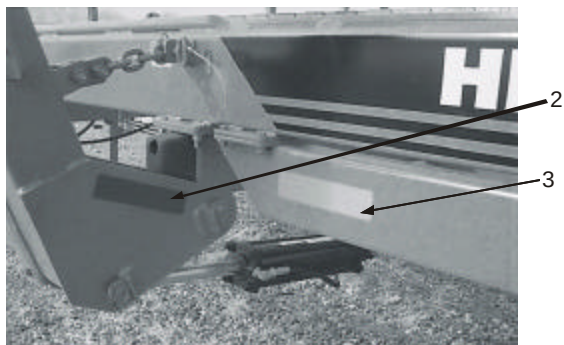
Item	Part No.	Description	Quantity
1	45283	Assy. Mount, Light, BM, Right	1
2	45282	Assy. Mount, Light, BM, Left	1
3	30526	Light, Red and Amber, Left	1
4	30527	Light, Red and Amber, Right	1
5	40163	Harness, Light, 5&7 BM	1
6	31581	1/4X1-1/4 Hex Bolt, UNC, Gr5	8
7	31174	1/4 Nylock Locknut, UNC, Gr5	8



3.12 Decal Assembly (Part No. 45256)

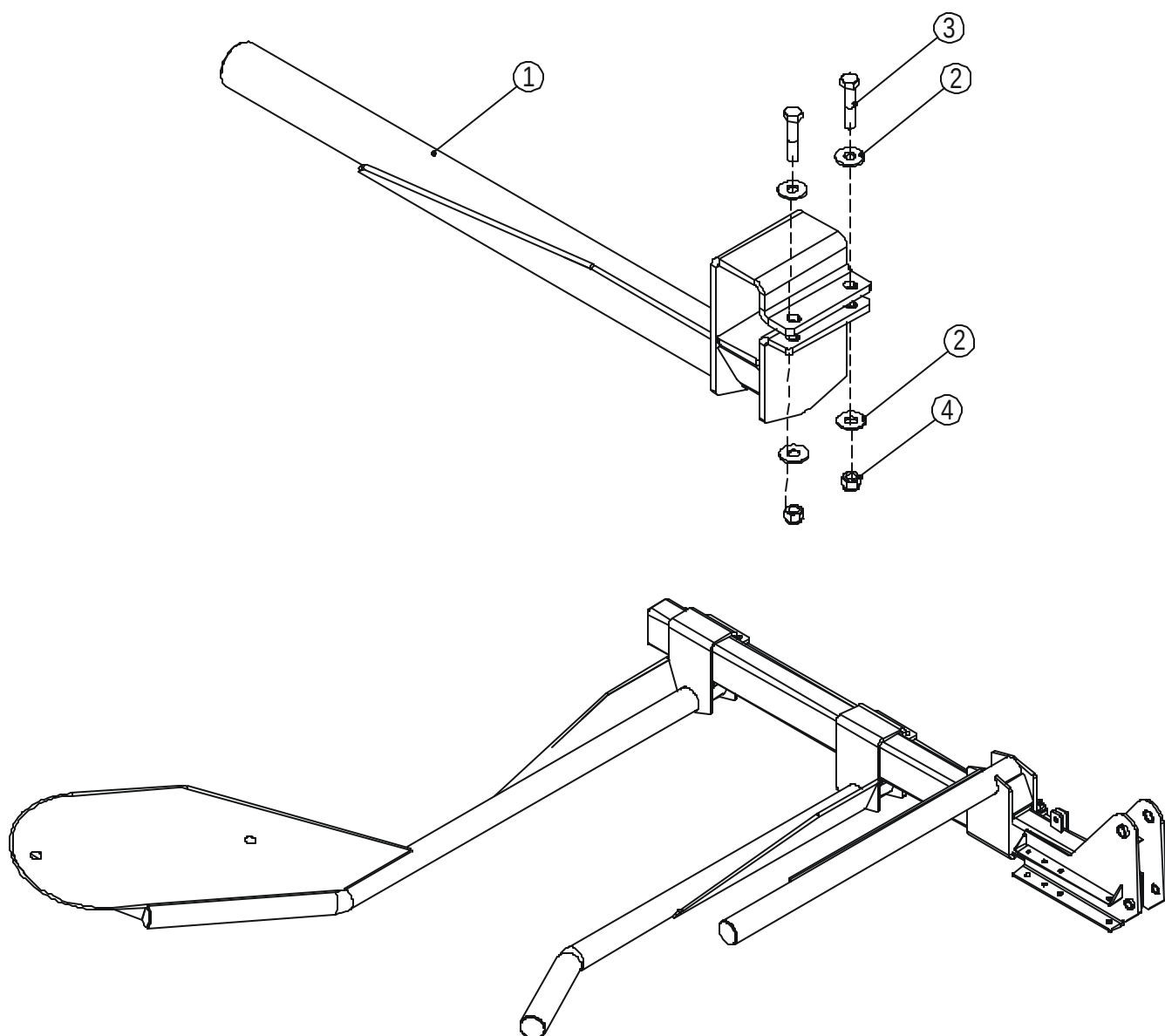
Item	Part No.	Description	Quantity
1	E5804	Decal,Control Box, FacePlate,5&7 BM	1
2	30577	Decal,Red Refl,2x9	2
3	30578	Decal,Amber Refl,2x9	8
4	92556	Decal,Caution,#8014	2
5	92559	Decal,Caution,#8321	1
6	92562	Decal,Warning, Hitch,Jack, 5000 Lbs	1
7	92563	Decal,Caution,#8015	1
8	92585	Decal,Highline,700	4
9	92583	Decal,Highline,3 -1/2	4
10	92586	Decal,Pinstripping	52 ft
11	31892	Decal,Warning,Tension,Chain	2
12	30652	Decal,Caution,Tires,90 PSI	2
13	30208	Plt,Serial#	1





3.13 Short Fork Kit Option (Part No. 40178)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	40177	FORK, SHORT	1
2	31238	WASHER, FLAT, 3/4, ZP	4
3	31340	BOLT, HEX, 3/4X3-1/2, UNC, GR5, ZP	2
4	31175	NUT, NYLOCK, 3/4, UNC, ZP	2



4.0 Parts Index

PartNum	DESCRIPTION	PAGE	ITEM
30100	Susp,Tire,11Lx15FI,12 Ply	15	2
30102	Susp, Hub, Complete, EM5500	14	1
30104	Rim, 1.5 x 8, 1.5 Off, 8, Off-white	15	1
30197	Pin, Spring, 3/16 x 1-1/2	24	4
30198	Hyd, Hose, 3/8 x 18, 6FJX-6MP	34	2
30200	Hyd, Fit, Plug, 8MB	34	3
30201	Hyd, Hose, 3/8 x 44, 8FJX-6MP	34	4
30204	Fitting, Adapter, 10MB-8MJ	30	1
30205	Hose, 1/2 x 57, 8FJ90TL	30	2
30206	Holder, Hose, Hydraulic, 1/2	20	12
30207	Zerk, Grease, 1/4-28, Straight	14	2
30207	Zerk, Grease, 1/4-28, Straight	15	11
30207	Zerk, Grease, 1/4-28, Straight	16	5
30207	Zerk, Grease, 1/4-28, Straight	22	2
30207	Zerk, Grease, 1/4-28, Straight	24	5
30207	Zerk, Grease, 1/4-28, Straight	26	4
30208	Plt,Serial #	46	13
30209	Fitting, Pioneer, Male, 8FP	30	3
30209	Hyd, Fit, Pioneer, Male, 8FP	34	5
30210	Hyd, Clamp, Hose, 1/2	34	6
30211	Hyd, Fit, Elbow, 8MB-8MJ90	34	7
30212	Hyd, Fit, Elbow, 8MP-8MJ90	34	8
30220	Susp,Cap,Dust	15	1
30221	Pin,Cotter,3/16x1-3/4	15	2
30222	Nut,Slotted,1,UNF	15	3
30223	Washer,Flat,1IDx2OD,.2385	15	4
30226	Drv,Brg,Race,Inner,1.781	15	5
30228	Drv,Brg,Seal,1.98	15	6
30229	Susp,Hub,EM5500,8Bolt	15	7
30232	Bearing, Race	29	1
30236	Nut, Hex, 5/8, UNC, GR5, ZP	38	1
30237	Nut, Hex, 1, UNS, GR5	36	2
30237	Nut, Hex, 1,UNS,GR5	37	2
30237	Nut, Hex, 1, UNS, GR5	38	2
30238	Pin, Cotter, 3/16x1-1/2	36	3
30238	Pin, Cotter, 3/16 x 1-1/2	37	3
30238	Pin, Cotter, 3/16 x 1-1/2	38	3
30239	Setscrew, Socket, 3/8 x 1-1/2 Knur	36	4
30239	Setscrew, Socket, 3/8 x 1-1/2 Knur	37	4
30240	Hyd, Fit, Plug, 1/2-14, NPTF, Dry Seal	36	5
30240	Hyd, Fit, Plug, 1/2-14, NPTF, Dry Seal	37	5
30240	Hyd, Fit, Plug, 1/2-14 NPTF, Dry Seal	38	4
30242	Hyd, Cyl, Rod,1-1/2 x 17	38	6
30243	Hyd, Cyl, 3 x 8, H6138	36	7
30244	Hyd, Cyl, 3 x 10, H6140	37	7
30245	Hyd, Cyl, 3-1/2 x 13, H6203	38	7
30250	Hyd, Cyl, Piston, 3, H6680	36	8
30250	Hyd, Cyl, Piston, 3, H6680	37	8
30251	Hyd, Cyl, Piston, 3-1/2, H6688	38	8

30253	Hyd, Cyl, Clevis, 1-1/4, 1 Pin	36	9
30253	Hyd, Cyl, Clevis, 1-1/4, 1 Pin	37	9
30254	Hyd, Cyl, Tie Rod, 1/2 x 8	36	10
30255	Hyd, Cyl, TieRod, 5/8 x 13, Special	38	9
30256	Hyd, Cyl, Clevis, Cap, 3, NPTF	36	11
30256	Hyd, Cyl, Clevis, Cap, 3, NPTF	37	11
30257	Hyd, Cyl, Cap, Rod, 3 x 1-1/4, NPTF	36	12
30257	Hyd, Cyl, Cap, Rod, 3 x 1-1/4, NPTF	37	12
30258	Hyd, Cyl, Clevis, Cap, 3-1/2, NPTF	38	10
30259	Hyd, Cyl, Cap, Rod, 3-1/2 x 1-1/2, 8FP	38	11
30260	Hyd, Cyl, Rod, 1-1/4 x 12-5/8	37	10
30261	Lock, Thread, Nylock	36	13
30261	Lock, Thread, Nylock	37	13
30262	Hyd, Cyl, Sealkit, 3, 1-1/4 Rod	36	14
30262	Hyd, Cyl, Sealkit, 3, 1-1/4 Rod	37	14
30263	Hyd, Cyl, Seal Kit, 3-1/2	38	12
30269	Bolt, U, Square, 5/8 x 6 x 4-1/2	20	22
30309	Hyd, Fit, Elbow, 6MB-6MJ90	34	10
30313	Hyd, Fit, Tee, 8MJ-8MJ-8MJ	34	9
30526	Light, Red and Amber, Left	44	3
30527	Light, Red and Amber, Right	44	4
30559	Clamp, Rope, Wire, 1/16	20	28
30577	Decal,Red Refl,2x9	46	2
30578	Decal,Amber Refl,2x9	46	3
30580	Hyd, Fit, Elbow, 8MP-6MJ90	34	11
30581	Hyd, Fit, Adapter, 6FJX-6MB	34	12
30584	Hyd, Hose, 3/8 x 10, 6FJX-8FJX90TS	34	13
30651	Roller,Chain,3 OD x 1-1/4 ID	24	8
30652	Decal,Caution,Tires,90 PSI	46	12
30653	Hyd, Check, Pilot,3x6MB	34	19
31016	Bolt, Hex, 1/2 x 1-1/2	18	8
31016	Bolt, Hex, 1/2 x 1-1/2	20	16
31018	Bolt, Hex, 1/2 x 2-1/2	22	19
31031	Bolt, Hex, 1/4 x 2-1/2	28	9
31033	Bolt, Hex, 1/4 x 3/4	20	17
31033	Bolt, Hex, 1/4 x 3/4	30	13
31038	Bolt, Hex, 1 x 7-1/2	18	7
31039	Bolt, Hex, 1 x 9	28	8
31041	Bolt, Hex, 3/4 x 3	22	11
31051	Bolt, Hex, 5/8 x 1-1/2	22	13
31052	Bolt, Hex, 5/8 x 2	20	15
31052	Bolt,Hex,5/8x2,UNC,GR5,ZP	22	25
31053	Bolt, Hex, 5/8 x 1-3/4	16	3
31061	Bolt, U, Square, 1/2 x 3 x 7	20	6
31159	Nut, Acme, 1, 5, RH	24	10
31162	Nut,Hex,1,UNC,GR5,ZP	18	13
31163	Nut, Hex,1/2,UNC, GR5, ZP	36	1
31163	Nut, Hex,1/2,UNC, GR5,ZP	37	1
31172	Nut, Nylock, 1	18	9
31172	Nut, Nylock, 1	28	10
31173	Nut, Nylock, 1/2	18	10
31173	Nut, Nylock, 1/2	20	19

31173	Nut, Nylock, 1/2	22	20
31173	Nut, Nylock, 1/2	30	9
31174	Nut, Nylock, 1/4, UNC, ZP	20	20
31174	Nut, Nylock, 1/4, UNC, ZP	28	11
31174	Nut, Nylock, 1/4, UNC, ZP	34	14
31174	1/4 Nylock Locknut, UNC, Gr5	44	7
31175	Nut, Nylock, 3/4	22	14
31175	Nut, Nylock, 3/4, UNC, ZP	48	4
31176	Nut, Nylock, 3/8, UNC, ZP	34	15
31177	Nut, Nylock, 5/16, UNC, ZP	34	16
31178	Nut,Nylock,5/8,UNC,ZP	16	4
31178	Nut,Nylock,5/8,UNC,ZP	20	18
31178	Nut,Nylock,5/8,UNC,ZP	22	15
31178	Nut,Nylock,5/8,UNC,ZP	22	23
31182	Cotterpin, 1/4 x 2-1/2	18	11
31182	Cotterpin, 1/4 x 2-1/2	22	16
31182	Cotterpin, 1/4 x 2-1/2	26	5
31218	Washer, Lock, 5/8	30	11
31235	1" Flat Washer	18	15
31236	Washer, Flat, 1/2	20	21
31236	Washer, Flat, 1/2	22	8
31236	Washer, Flat, 1/2	30	18
31237	Washer, Flat, 1/4, ZP	34	17
31238	Washer, Flat, 3/4	22	21
31238	Washer, Flat, 3/4, ZP	48	2
31239	Washer, Flat, 5/16, ZP	34	18
31240	Washer,Flat,5/8,ZP	22	26
31240	Washer,Flat,5/8,ZP	30	10
31241	Washer, Flat, 7/16	20	23
31243	Washer, Lock, 1, ZP	18	12
31243	Washer, Lock, 1, ZP	24	11
31336	Bolt,Hex,5/8x3,UNC,GR5,ZP	22	22
31340	Bolt, Hex, 3/4x3-1/2, UNC, GR5, ZP	48	3
31442	Pin, Hitch, 3/8x3	20	26
31471	1"x3" Hex Bolt, UNC, GR5	18	14
31545	Bolt, Hex, 5/8 x 1, UNF, GR5, ZP	30	12
31581	1/4x1-1/4 Hex Bolt, UNC, Gr5	44	6
31590	Chain,Safety,ASAE, 10100LB, 5'4"	18	16
31593	Clip, Automotive, 1/4	30	14
31795	Wheel, Complete	14	4
31797	Bolt, Socket, 1/2 x 2-3/4	30	8
31800	Jack, Sidewind, 5000lbs x 15	18	6
31892	Decal,Warning,Tension,Chain	46	11
32033	Hyd, Fit, Adapter, 8MJ-6MB	34	20
32035	Hyd, Fit, Tee, 8MPR-8MJ	34	21
32055	Hyd, Hose, 3/8 x 19, 6MP-8FJX	34	22
32071	Washer, Flat, 1-1/4 I.D. x 1-7/8 O.D.	30	4
32079	Hyd, Fit, Elbow, 6MB-8MJ90	34	23
32250	Hyd, Cyl, Pin, 1	36	6
32250	Hyd, Cyl, Pin, 1	37	6
32250	Hyd, Cyl, Pin, 1	38	5
32639	Bearing,Thrust,Front	32	13

32647	Hyd,Motor,SealKit,Roller,Stator	32	1
32649	Bearing,Housing,Rear,1/2	32	4
32651	Bearing,Thrust,Rear	32	2
32720	Brg,Housing,Front	32	3
32721	Kit,Rotor	32	5
32722	Kit,Link,Drive	32	6
32723	Kit,Housing	32	7
32724	Kit,Shaft	32	8
32725	Kit,Manifold	32	9
32726	Plate,Balance	32	10
32727	Cover,End	32	11
32728	Kit,Bolt	32	12
32963	Hyd, Hose, 3/8 x 15, 8FJX, 2000 psi	34	24
33014	Susp,Tube,11L-15	15	4
33015	Hyd, Cyl, Tierod, 1/2x10	37	15
40003	Pin, Hitch	18	1
40008	Pin, Apron, Pivot	22	1
40010	Pin, Arm, Slide, Pivot	22	18
40019	Pin, Transport	22	5
40085	Arm, Divider, Bale	20	1
40088	Bumper, Bale	20	8
40102	Box,Control	40	1
40115	Tightener, Motor, Left	24	1
40116	Tightener, Motor, Right	24	2
40118	Mount, Bumper, Bale	20	9
40121	Pin, Sprocket, Rear	24	3
40134	Rail, Left	20	3
40135	Rail, Right	20	4
40136	Arm, Pivot, Wheel, Castor	26	2
40140	Bracket, Cylinder	20	2
40142	Hitch, Tongue, Double	18	5
40149	Arm, Slide, Pivot, Right	22	4
40151	Fork, Right	22	6
40153	Fork, Right, 1/4 Turn	22	7
40163	Harness, Light, 5&7 BM	44	5
40176	Wheel, Castor	26	1
40177	Fork, Short	48	1
40490	Hitch, Crossmember	18	4
45010	Hitch, A-Frame, Left	18	2
45011	Hitch, A-Frame, Right	18	3
45016	Divider, Bale	20	5
45025	Pin, Arm, Pivot, Wheel, Castor	26	3
45130	Frame, Rear	20	7
45233	Frame, 7BM	16	1
45236	Arm, Pivot, Right	22	3
45239	Axle	14	3
45240	Pocket, Axle, Middle	16	2
45278	Mount, Light, BM, Left	20	24
45279	Mount, Light, BM, Right	20	29
45280	Mount, Brkt, Light, BM, Lt	20	25
45281	Mount, Brkt, Light, BM, Rt	20	30
45282	Assy, Mount, Light, BM, Left	20	10
45282	Assy, Mount, Light, BM, Left	44	2

45283	Assy, Mount, Light, BM, Right	20	11
45283	Assy, Mount, Light, BM, Right	44	1
70063	Fork, Wheel, Castor	28	5
90117	Hyd,Cyl, 3 x 8, 1.25, 8FP	34	25
90118	Hyd, Cylinder, 3 x 10, 1.25, 8FP	34	26
90120	Hyd,Cylinder, 3.5 x 13, 1.5, 8FP	34	27
90137	Wiring, Box, Control, 6ft	41	15
90137	Assy,Wiring,Box,Control,BM	42	22
90301	Hyd, Hose, 3/8 x 120, 8MP-8FJX	34	28
90305	Hyd, Hose, 3/8 x 30.5, 6MP-8FJX	34	29
90308	Hyd, Hose, 3/8 x 50, 8FJX-6MP	34	30
90310	Hose, 1/2 x 96, 10MB-8MP	30	7
90313	Hyd, Hose, 3/8 x 18, 8FJX-8FJX	34	31
91031	Tire, Complete, 16.5 x 6.5, 4-hole	28	6
91048	Susp,Stem,Valve,TR801HP	15	3
91060	Bolt, Wheel, 1/2	28	12
91061	Bolt, Wheel, 9/16	14	5
91073	Hub, HDA211F	28	7
91073	Hub, HDA211F	29	2
91093	Seal, SE11	29	3
91111	Drv,Brg,Tapered,Outer,1.375	15	8
91113	Bearing	29	4
91131	Drv,Brg,Race,Outer,1.375	15	9
91133	Drv,Brg,Tapered,Inner,1.781	15	10
91508	Chain, 37ft.	24	6
91510	Link, Connecting, C2062	24	7
91511	Link, Connecting, Half, C2062	24	12
91517	Chain, Length, C2064	24	
91608	Hairpin, 1/8 x 2-9/16	22	10
92024	Bushing, Brass	24	9
92028	Sign, Slow Moving	20	13
92061	Bumper, Rubber	20	14
92063	Drv, Sprocket, 2062, 10-tooth, 1-1/4	30	5
92078	Harness, Extension	40	2
92089	Hyd,Valve, Solenoid	34	32
92089	Valve, Solenoid	40	3
92103	Connector, 2-Pin, Male	41	1
92105	Connector, 2-Pin, Female	41	2
92105	Connector, 2-Pin, Female	42	2
92107	Switch, Rocker	41	3
92107	Switch, Rocker	42	3
92119	Screw, Thumb	42	4
92136	Switch, Toggle	41	4
92136	Switch, Toggle	42	5
92138	Holder, Bus, Body	41	5
92138	Holder, Bus, Body	42	6
92139	Holder, Bus, Cap	41	6
92139	Holder, Bus, Cap	42	7
92140	Fuse, Bus, 12V20A, Fast	41	7
92140	Fuse, Bus, 12V20A, Fast	42	8
92142	Bushing, Relief	42	9
92146	Plastic, Enclosure	41	8
92146	Plastic, Enclosure	42	10

92151	Wire, 16, Red, Strand	42	11
92156	Cable, 2C-16GA	42	12
92157	Connector, Pin, Male	41	9
92158	Socket, Female	41	10
92158	Connector, Socket, Female	42	13
92159	Wedge, 2-Pin, Male	41	11
92160	Wedge, 2-Pin, Female	41	12
92160	Connector, Wedge, 2-Pin, Female	42	14
92163	Diode, 12V, 20A	42	15
92164	Screw, Tapping, #4 x 1/4	41	13
92164	Screw, Tapping, #4 x 1/4	42	16
92165	Connector, QD, 188F, 16-14, ST, INS	42	17
92166	Connector, Ring, 3/8, 16GA	42	18
92168	Connector, ADP, F/M/M, 1/4	42	19
92169	Connector, QD, 250F, 16-14, ST, INS	42	20
92184	Motor, 45 cu.in., 2000 psi	30	6
92221	Plate, Box, Control	41	14
92221	Aluminum, Plate, Box, Control	42	21
92556	Decal, Caution, #8014	46	4
92559	Decal, Caution, #8321	46	5
92562	Decal, Warning, Hitch, Jack, 5000 Lbs	46	6
92563	Decal, Caution, #8015	46	7
92583	Decal, Highline, 3-1/2	46	9
92585	Decal, Highline, 700	46	8
92586	Decal, Pinstripping	46	10
E2852	Spacer, Wheel, Castor, Top	28	1
E2853	Spacer, Wheel, Castor, Bottom	28	2
E3764	Tether, Cable, Shield, Small	22	17
E4496	Lug, Extension, Chain, Trans	22	24
E4726	Block, Tee, Hyd	34	1
E4751	Bracket, Box, Control	42	1
E4802	Housing, Guard, BM, Right	30	17
E4803	Plate, Face, Guard	30	15
E4810	Housing, Guard, BM, Left	30	16
E4835	Bushing, 1-1/4 x 1 x 1-3/8	28	3
E4836	Bushing, 1-1/4 x 1 x 2-1/4	28	4
E5351	Tether, 16"	20	27
E5652	Lug, Extension	22	12
E5653	Chain, Link, 1/2, GR40, 5 Links	22	9
E5804	Decal, Control Box, Faceplate, 5&7 BM	46	1

5.0 Specifications

<i>Weight</i>	<i>Approximately 5,100 lbs (2,318 kg)</i>
<i>Hitch Weight (with fully loaded bed)</i>	<i>1,160 lbs (527 kg)</i>
<i>Total Length</i>	<i>41'7"</i>
<i>Bed Length</i>	<i>37"</i>
<i>Total Width</i>	<i>8'</i>
<i>Bed Width</i>	<i>2'</i>
<i>Total Height</i>	<i>9'2"</i>
<i>Bed Height</i>	<i>3'3"</i>
<i>Ground Clearance</i>	<i>13-1/2"</i>
 <i>Maximum Capacity</i>	 <i>Seven - 2,200 lb Bales to Max. 15,400 lb payload</i>
<i>Chain & Sprocket</i>	<i>Heavy Duty ASA 2062, 1-1/2 Pitch</i>
<i>Tires</i>	<i>Goodyear, 11L-15FI, F Ply</i>
	<i>Farm Highway Service</i>
<i>Undercarriage</i>	<i>Two – 2 wheel oscillating tandems</i>
 <i>Horsepower Required</i>	 <i>80 hp</i>
<i>Hydraulic Outlets</i>	<i>Two</i>
<i>Hydraulic Pressure</i>	<i>2,500 psi. (17,240 KPa)</i>

Dealer Information

Dealer: _____

Address: _____

City: _____

Province / State: _____

Postal Code / Zip Code: _____

Phone: _____

Identification Numbers

Model Number: _____

Serial Number: _____

Dealer Checklist

Bale Mover Dealer Checklist

Pre-Assembled Units	Packaged Units	Check List Item
		Install chains on machine, with hydraulic motors.
		Ensure roller chains are running straight down the center of the
		channel to prevent jumping of the chains.
		Check for chain clearance between the rear sprocket and the slide plate.
		Install SMV sign.
		Tail/warning lights installed.
		Install tethered loader fork transport lock pin shipped w/machine.
		Ensure all grease points are lubricated.
		Check tire pressure and adjust as required.(as specified on tire)
		Install deck cylinder.
		Install right and left hydraulic motor guards with plate guards.
		Install right and left chain tightners.
		Install hitches, Hitch crossmember, and Hitch tongue.
		Install rear sprockets, with rear pin assembly.
		Install rubber bumpers.
		Check or Tighten roller chain to specified tension.
		Install castor wheel, pivot arm assmbles (5 and 7 BM)
		Install Jack.
		Full library of manuals (operators, and parts) shipped w/machine.
		Mini operators manual w/tether cable shipped w/machine.
		Verify serial plate is attached
		Check tire hubs for proper bearing adjustment.
		Hook up to tractor and check all functions - cylinders, motors, lights.

Check the Shaded areas only.