

1400 Bale Mover

2003 Owner's Manual

RELEASED



Before operating the Bale Mover 1400, 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 this 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.

President's Message

The Bale Mover 1400, a proven name in the bale handling field, is made by Highline Mfg. Inc. The Bale Mover 1400 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 1400 as the machine for your bale handling needs.

*Chuck Lepage, 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>

Safety Precautions

WORK SAFELY – FOLLOW THESE INSTRUCTIONS

Failure to follow these safety instructions could result in serious injury or death.

CAREFUL OPERATION IS THE BEST INSURANCE AGAINST AN ACCIDENT!

- Always disengage the hydraulic motors before dismounting tractor for any reason.
- Keep yourself and others clear of any rotating or moving 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.

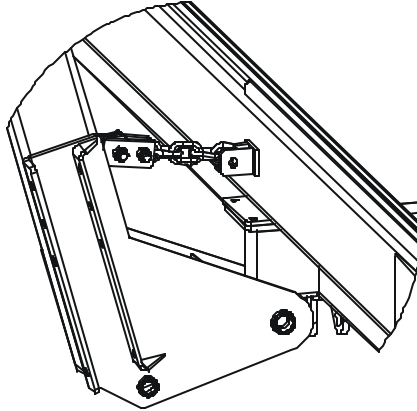


Figure 1 - Locks in Transport Position

1.2 Transporting Instructions

To ensure safe transport of the Bale Mover 1400, 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 tube. 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 1400 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 1400, follow these maintenance procedures.

- Periodically check tire air pressure to maintain equal tire pressure. The operating tire pressure on hard surface sure 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.
- Wheel bearings should be repacked yearly.
- 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

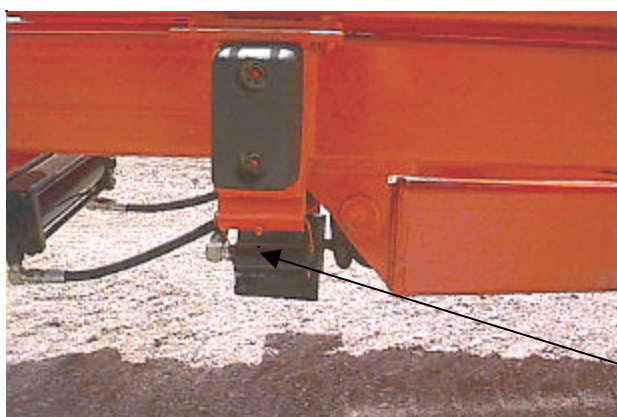
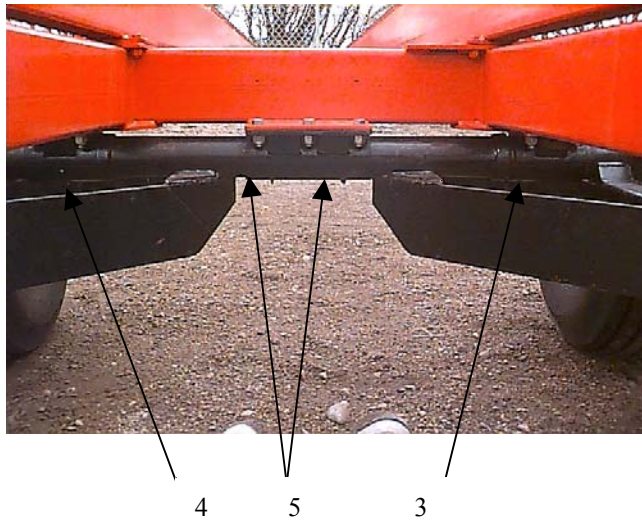


Figure 4 - Pivot Slide Arm Grease Location

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

2.2 Tire Removal Procedure

There are several methods used to remove the tires on the 14 Bale Mover. Following are the common procedures used.

RAISING THE TIRES OFF THE GROUND

A.

1. Leaving the tractor hitched to the Bale Mover and apply the parking brake.
2. Block the Bale Mover tires opposite the side which the tire will be removed.
3. Use two jacks (hydraulic or pin) under the main frame of the Bale Mover to raise the side of the Bale Mover high enough to swing the axle so the tire can be removed. Block the Bale Mover frame in this location.

B.

1. Leave the tractor hitched to the Bale Mover and apply the parking brake.
2. With the deck cylinder retracted, secure the end of the Bale Mover rails so they cannot be lowered. This can be done by blocking each rail or backing the bale mover into a sloped roadway and then applying the tractor parking brake.
3. Extend the deck cylinder to raise the tires off the ground.

****ENSURE THE DECK AND/OR DECK CYLINDER IS SECURED SO THE DECK CANNOT BE LOWERED****

TIRE REMOVAL

A.

1. With the tires off the ground, rotate the axle so the tire to be removed is below the frame. Secure the axle so the axle cannot rotate.
2. Remove the tire.

B.

1. With the tires off the ground, remove the outside axle mount and loosen the inside axle mount. Remove the axle with tires attached.
2. Remove the tire.

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3.0 Safety Messages

General safety messages appear in this Safety Messages section. Specific safety messages are located in appropriate sections of the manual where a potential hazard may occur if the instructions or procedures are not followed.

Understand Safety Alert Symbol

This is the safety alert symbol. This symbol placed on your machine or in the manual is used to alert you to the potential for bodily injury or death.



Understand Signal Words.

A signal word “**Danger**”, “**Warning**”, or “**Caution**” is used with the safety alert symbol.

Safety signs with signal word “**Danger**”, “**Warning**” or “**Caution**” are located near specific hazards.

Danger – Imminent hazards which, if not avoided, will result in serious personal injury or death.

Warning – Potential hazards or unsafe practices which, if not avoided, could result in serious personal injury or death.

Caution – Potential hazards or unsafe practices which, if not avoided, could result in minor personal injury or product or property damage.

Read, Understand, and Follow Safety Instructions

Read, understand and follow all instructions and safety messages included in this manual and on decals attached to the machine. These instructions and safety messages contain important information.

Allow only responsible, properly instructed individuals to operate and service the machine.

Failure to follow the instructions and safety messages in this manual and on the decals attached to the machine could result in serious injury or death.

Keep all safety and instruction decals in good condition. Replace any missing or damaged decals.



Keep Machine in Good Condition

Be sure the machine is in good operating condition and that all safety devices are installed and functioning properly.

Visually inspect the machine daily before starting the machine.

Make no modifications to your equipment unless specifically recommended or requested by Highline Mfg Inc.

Keep Spectators Away From Machine

Keep all spectators and other workers away from the machine and work area while in operation.

Avoid Moving Parts

Contact with moving parts can cause death or serious injury.

Keep away from power-driven parts such as the reel.

Wear close-fitting clothing and confine long hair. Avoid wearing jewelry, such as rings, wrist watches, necklaces, or bracelets.

Avoid High Pressure Leaks

Pressurized fluid can penetrate body tissue and result in serious injury or death. Leaks can be invisible. Relieve pressure before working on system. When searching for a leak, use an object like cardboard – not your hand. Fluid injected under the skin must be removed immediately by a surgeon familiar with this type of injury.

Avoid Tire Explosion

Tire explosion can result if the following procedures are not followed:

- Maintain correct tire pressure. Do not inflated tire above recommended pressure.
- Low tire pressure can cause internal tire damage. Inflate to recommended pressure.
- Replace any tire with cuts or bubbles. Replace any damaged rims.
- Do not weld or heat wheel assembly. Heating will increase tire pressure.

Working on the Balemover

For your safety and safety of others, the Shutdown Procedure, see below, must be followed before dismounting from the tractor for inspecting, lubricating, cleaning, unplugging, servicing, or repairing the balemover.

Warning: Failure to follow any of the above safety instructions, or those that follow within this manual, could result in serious injury or death. This machine is to be used only for those purposes for which it was intended, as explained in this Operator's manual.

Safety Decal Maintenance

Safety decals located on your machine contain important and useful information that will help you operate your equipment safely.

To assure that all decals remain in place and in good condition, follow these instructions.

- Keep decals clean. Use soap and water – not mineral spirits, abrasive cleaners, or other similar cleaners that will damage the decal
- Replace any damaged or missing decals. When attaching decals, the temperature of the mounting surface must be at least 5°C (40°F). The mounting surface must also be clean and dry.
- When replacing a machine component with a decal attached, replace the decal also.
- Replacement decals can be purchased from your Highline equipment dealer.

SHUTDOWN PROCEDURE

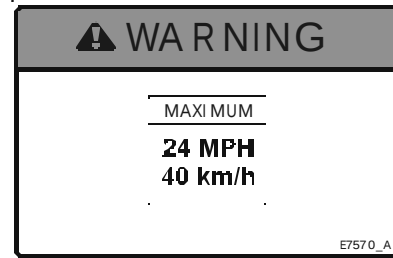
Important: For your safety and the safety of others, this procedure must be followed before dismounting from the tractor for repairing, servicing, cleaning, or lubricating the rock picker.

A variation of this procedure may be used if so instructed within this manual, or the tractor manual, or if an emergency requires it.

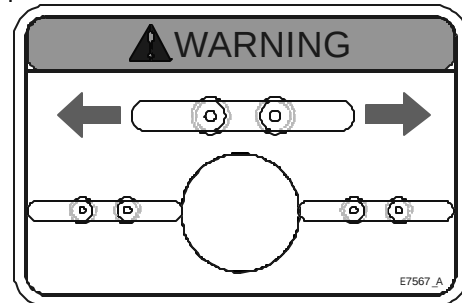
- Step 1: Reduce the engine speed to idle.
- Step 2: Fully lower bucket and apron.
- Step 3: Disengage the PTO/hydraulic motors.
- Step 4: Set the tractor park brake.
- Step 5: Shut off tractor engine and remove key.



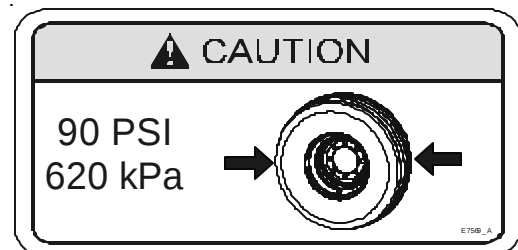
Warning: Do not transport loaded Balemover faster than 24 mph/40 km/h. Loss of control may occur if this speed is not observed.



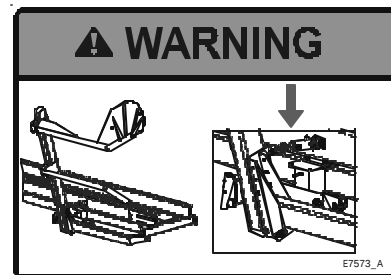
Warning: Keep rail chain tension in window of rails. Chain damage may occur if chains are not properly tensioned. Lubricate chains regularly during use.



Caution: Keep tires properly inflated to 90 psi/ 620 kPa. Tire damage may occur if tires are under inflated



Warning: Always use fork transport chains when transporting balemover on public road ways. Forks may descend rapidly if hydraulic pressure is lost to lift cylinder.



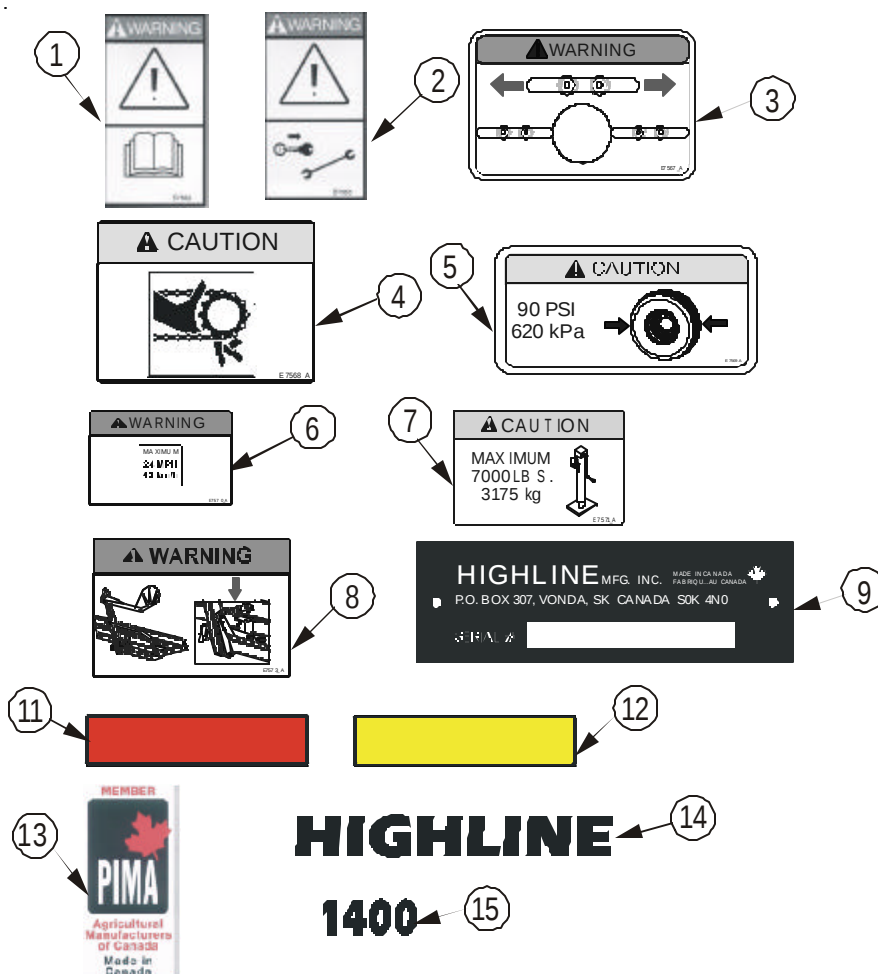
Caution: Keep hands and loose clothing away from moving chains. Entanglement resulting in injury may occur.

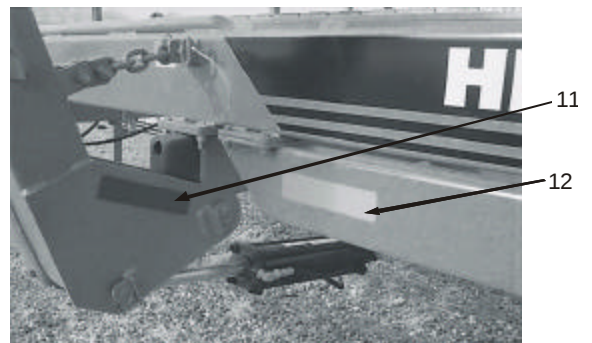
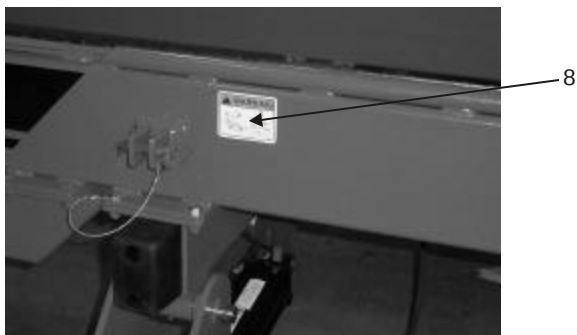
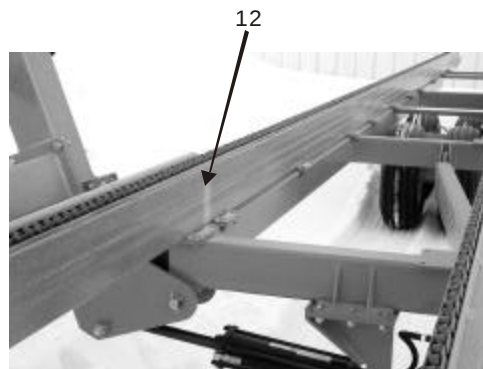
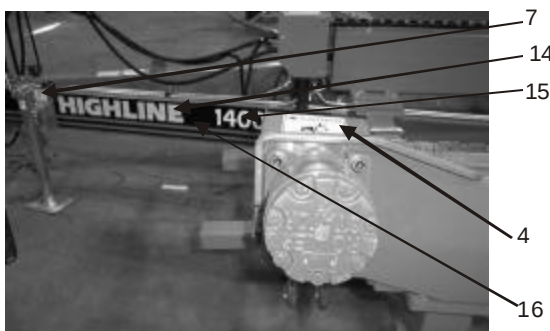
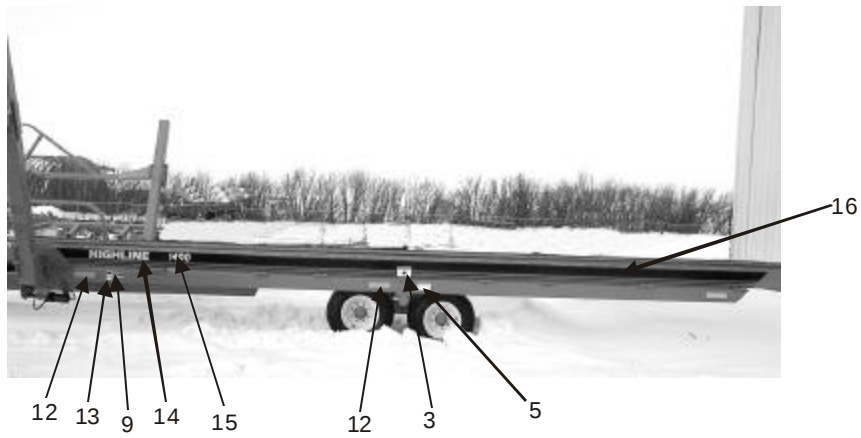
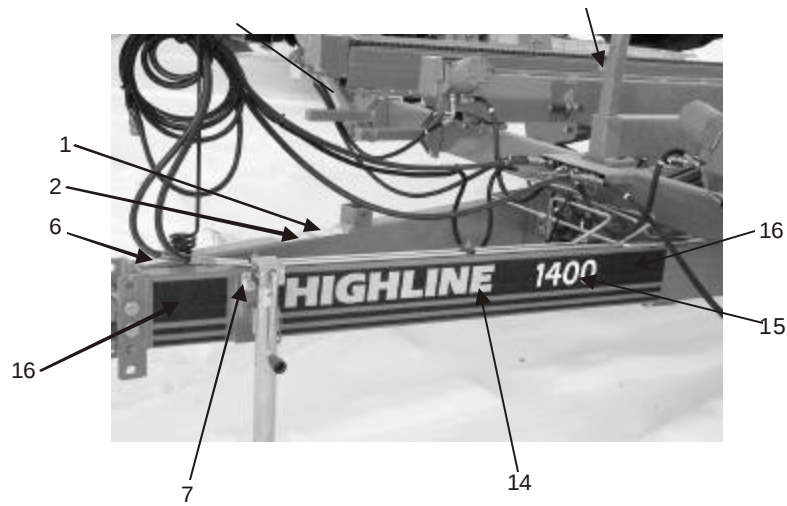


3.1 Decal Assembly (Part No. 45258)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	E7552	DECAL,WARNING,OWNERS MANUAL	1
2	E7553	DECAL,WARNING,STOP ENGINE/SERVICE	1
3	E7567	DECAL,WARNING,CHAIN TENSION,NT	4
4	E7568	DECAL,CAUTION,CHAIN ENTANGLEMENT	4
5	E7569	DECAL,CAUTION,TIRE PRESSURE	4
6	E7570	DECAL,WARNING,TOW SPEED	1
7	E7571	DECAL,CAUTION,JACK,7000LBS	1
8	E7573	DECAL,WARNING,TRANSPORT PINS	2
9	30208	PLT,SERIAL#	1
*10	30288	RIVET,ST,1/8X.390,.250HEAD	2
11	30577	DECAL,RED REFL,2X9	2
12	30578	DECAL,AMBER REFL,2X9	10
13	32981	DECAL,PIMA	1
14	92583	DECAL,HIGHLINE,3-1/2	4
15	92584	DECAL,HIGHLINE,1400	4
*16	92586	DECAL,PINSTRIPPING,7	62

*Not Shown

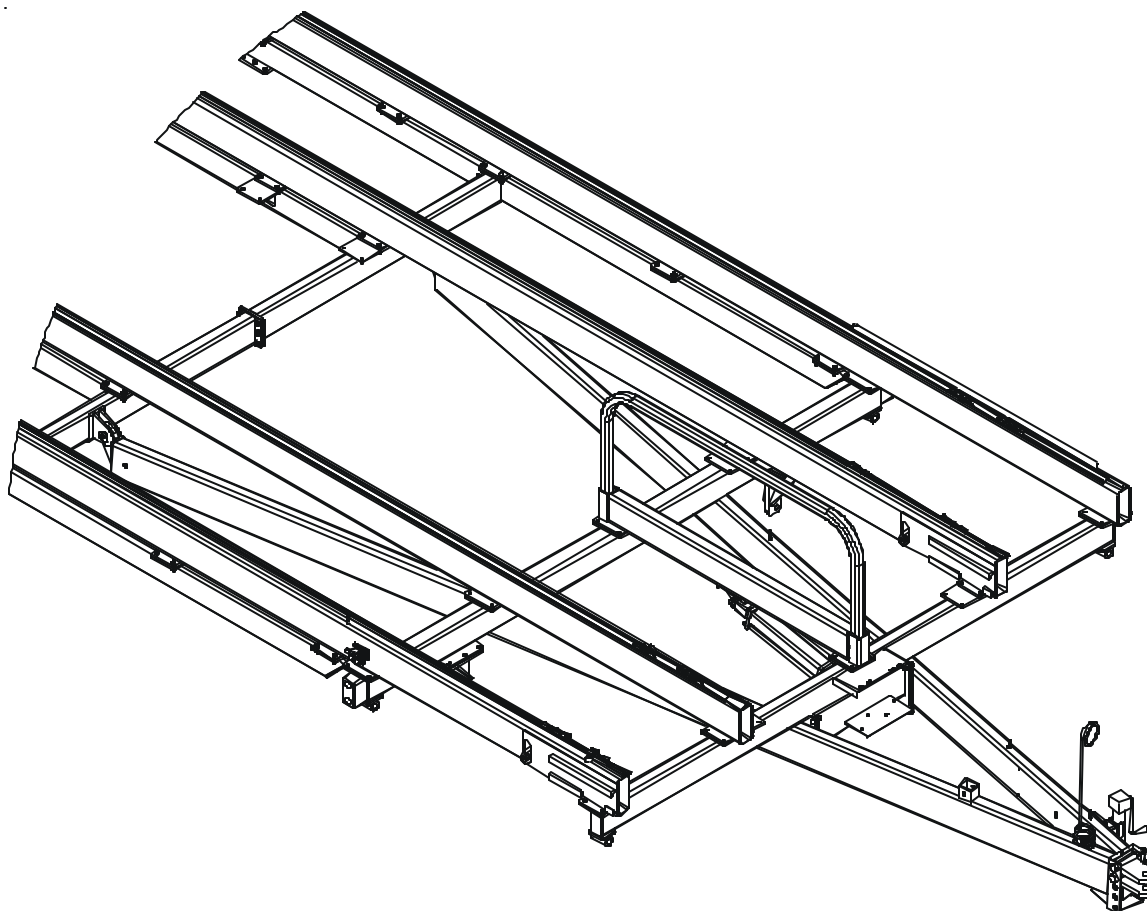


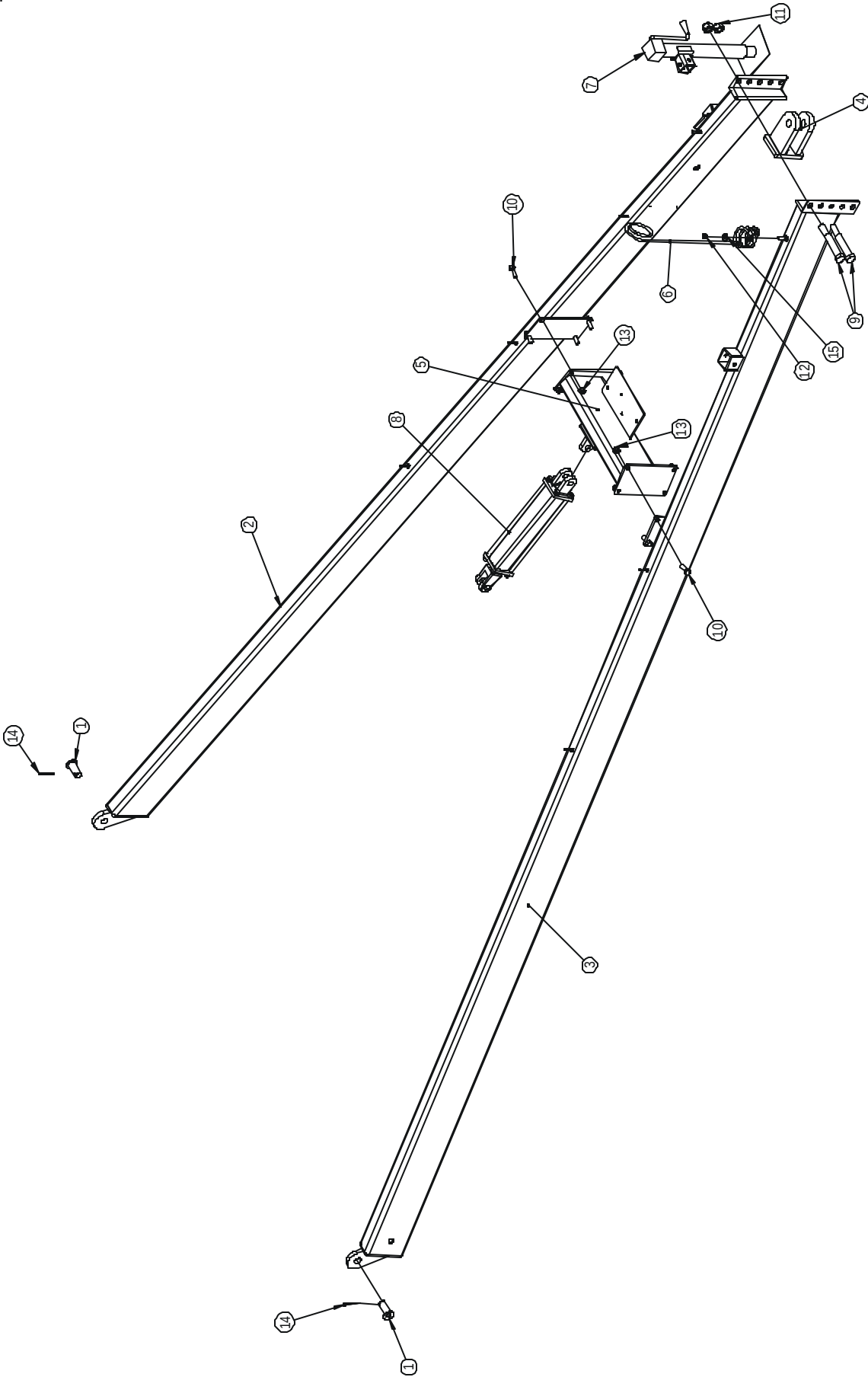


4.0 Parts Information

4.1 Hitch Assembly (Part No. 42056)

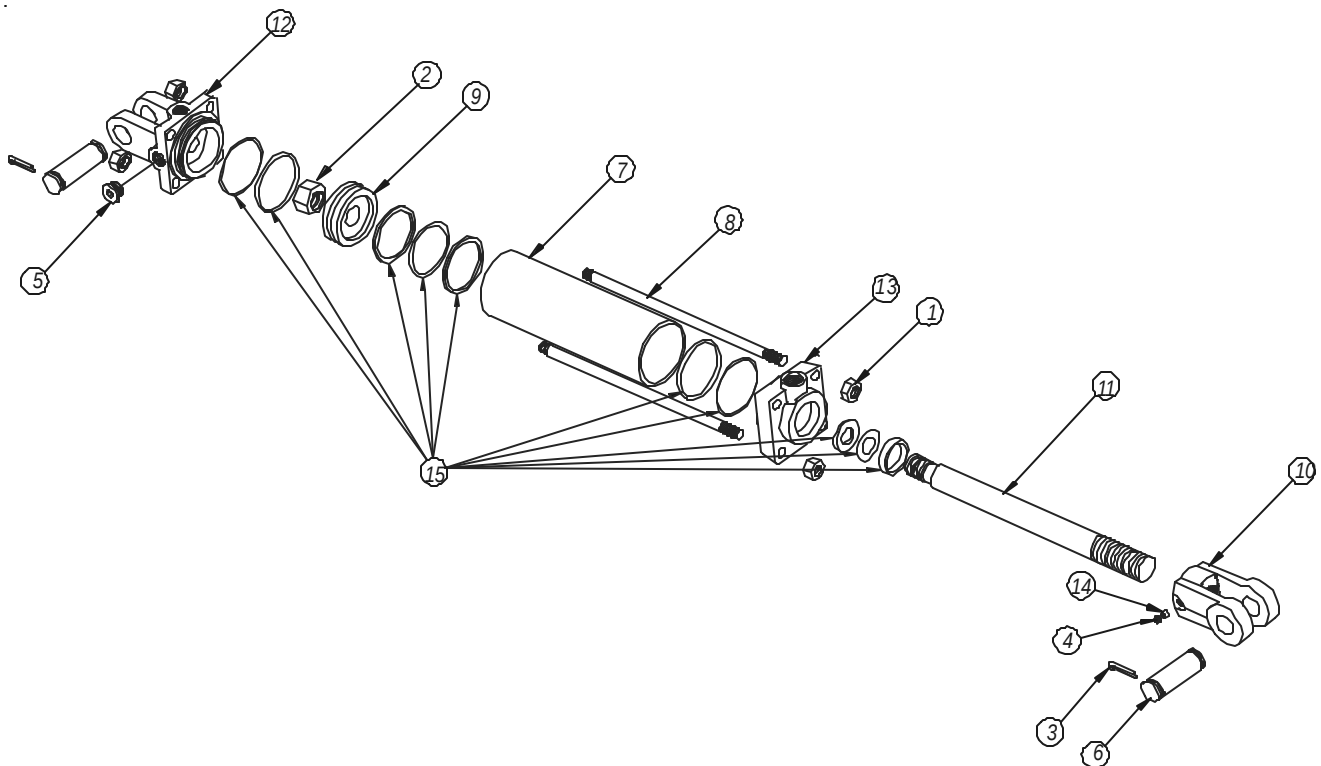
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	40003	PIN,HIT CH	2
2	40062	HITCH,A-FRAME,LEFT	1
3	40063	HITCH,A-FRAME,RIGHT	1
4	40142	HITCH,TONGUE,DOUBLE	1
5	40487	HITCH,CROSSMEMBER	1
6	30206	HYD,HOLDER,HOSE,1/2	1
7	31933	JACK,7000LBX15,SQ MNT,SIDEWIND	1
8	90103	Hyd,Cyl,3.6X16,1.5,8FP	1
9	31038	BOLT,HEX,1X7-1/2,UNC,GR5,ZP	2
10	31053	BOLT,HEX,5/8X1-3/4,UNC,GR5,ZP	8
11	31172	NUT,NYLOCK,1,UNC,ZP	2
12	31173	NUT,NYLOCK,1/2,UNC,ZP	1
13	31178	NUT,NYLOCK,5/8,UNC,ZP	8
14	31182	PIN,COTTER,1/4X2-1/2	2
15	31236	WASHER,FLAT,1/2,ZP	1





4.1.1 3.5x16 Hydraulic Cylinder (Part No. 90103)

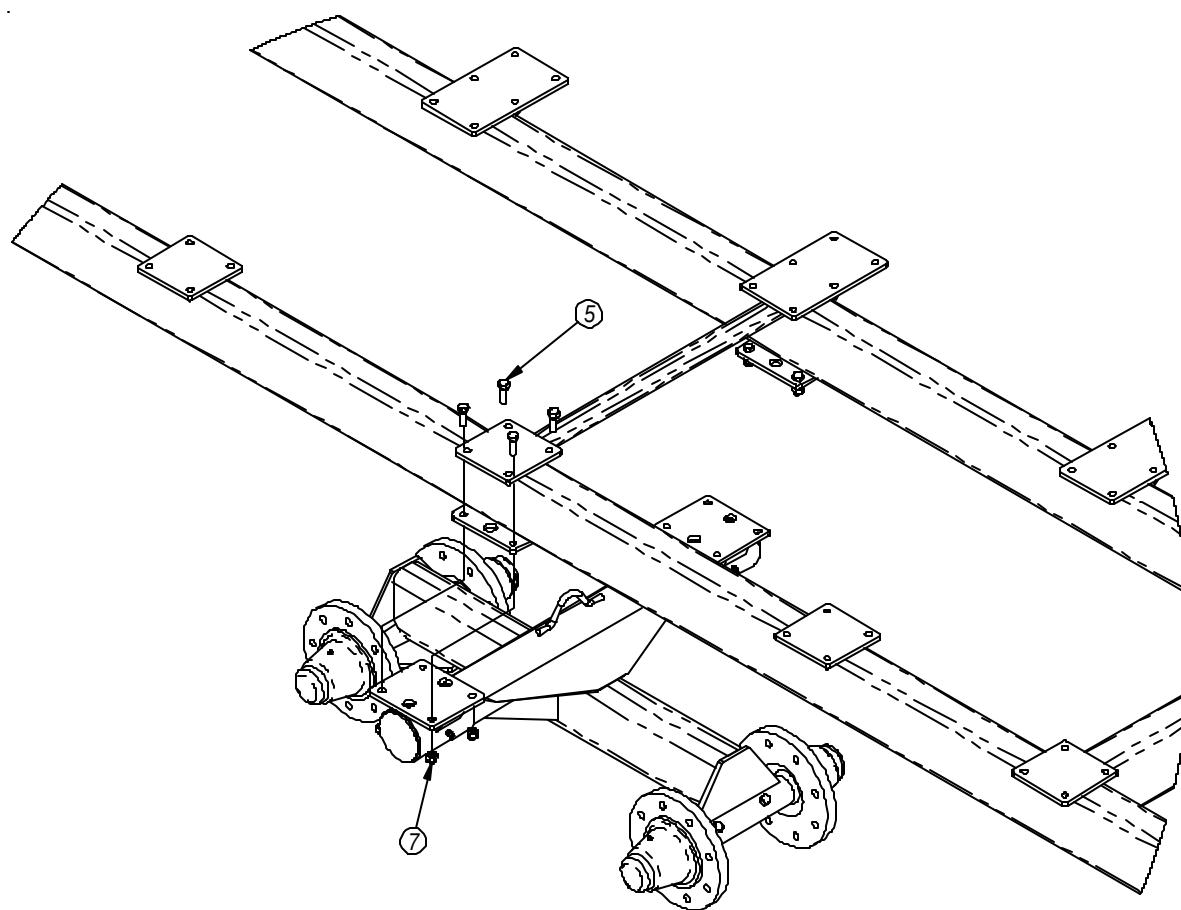
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	31178	NUT,HEX,5/8,UNC,ZP	4
2	30237	Nut, Hex, 1, UNS, GR5	1
3	30238	Pin, Cotter, 3/16 x 1-1/2	4
4	30239	Setscrew, Socket, 3/8 x 1/2 Knur	1
5	30240	Hyd, Fit, Plug, 1/2-14 NPTF, Dry	1
6	32250	Hyd, Cyl, Pin, 1	2
7	30246	Hyd, Cyl, 3-1/2 x 16, H6206	1
8	30249	Hyd, Cyl, Tie rod, 5/8 x 16, H6678	4
9	30251	Hyd, Cyl, Piston, 3-1/2, H6688	1
10	30253	Hyd, Cyl, Clevis, 1-1/4, 1 Pin	1
11	30252	Hyd, Cyl, Rod, 1-1/2 x 16	1
12	30258	Hyd, Cyl, Clevis, Cap, 3-1/2, NPTF	1
13	30259	Hyd, Cyl, Cap, Rod, 3-1/2 x 1-1/2	1
14	30261	Lock, Thread, Nylock	1
15	30263	Hyd, Cyl, Seal kit, 3-1/2	1

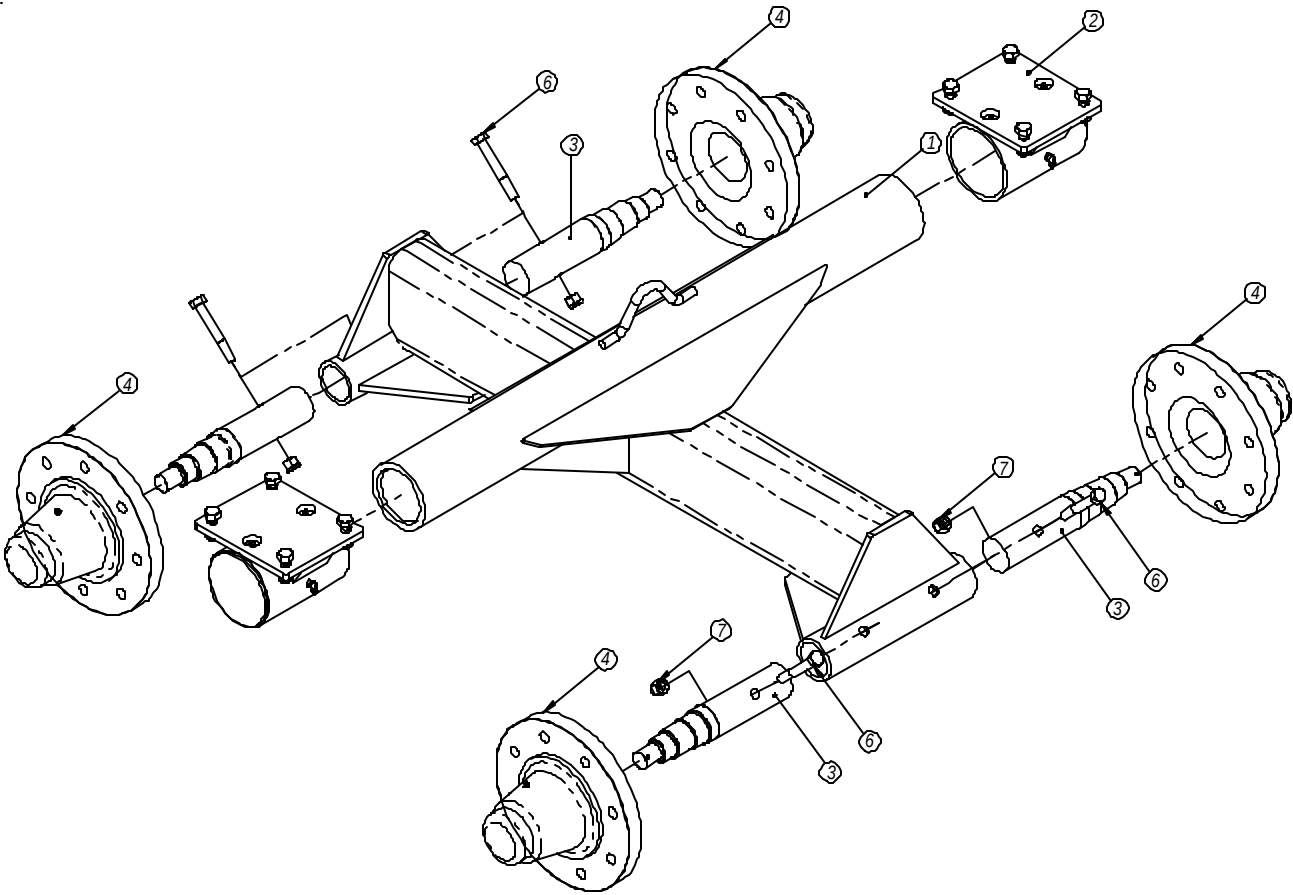


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4.2 Tandem Axle Assembly (Part No. 42057)

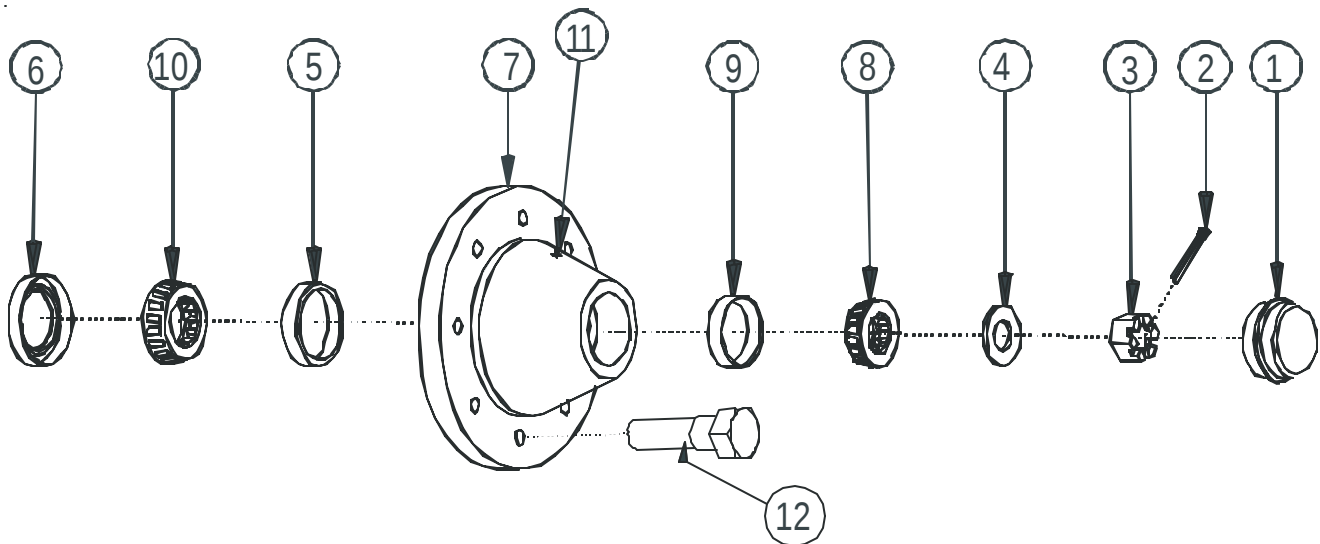
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49811	AXLE,14BM	1
2	45243	POCKET,END,AXLE	2
3	E7565	SUSP,SPINDLE,EM5500,10-1/2,9/16H	4
4	30102	SUSP,HUB,COMPLETE,EM5500	4
5	31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	8
6	31023	BOLT,HEX,1/2X3-1/2,UNC,GR5,ZP	4
7	31173	NUT,NYLOCK,1/2,UNC,ZP	12





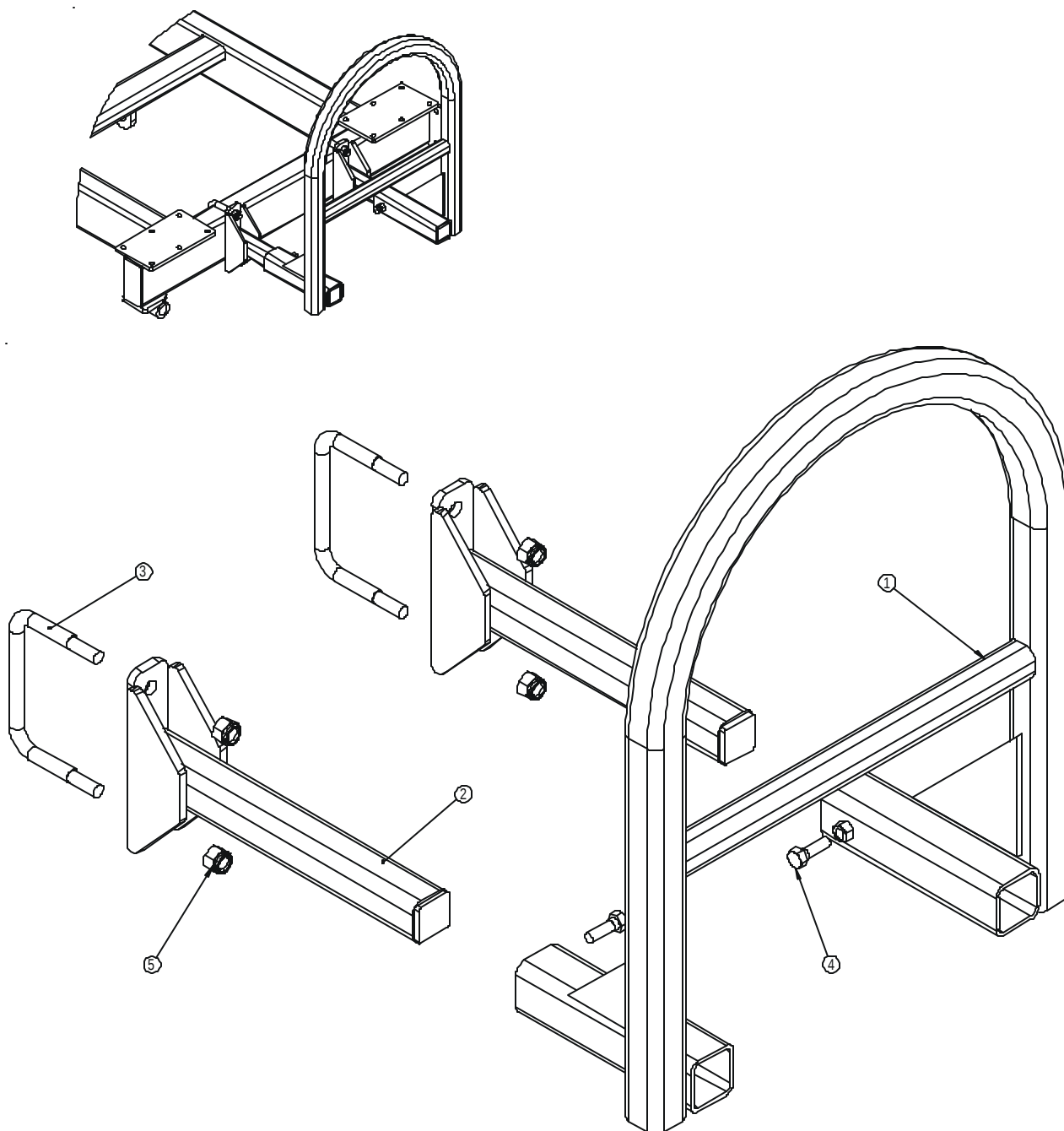
4.2.1 EM5500 Hub Assembly (Part No. 30102)

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,1IDX2OD,.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
12	32301	SUSP,BOLT,WHEEL,9/16x1-1/4Tx1-13/16L	8



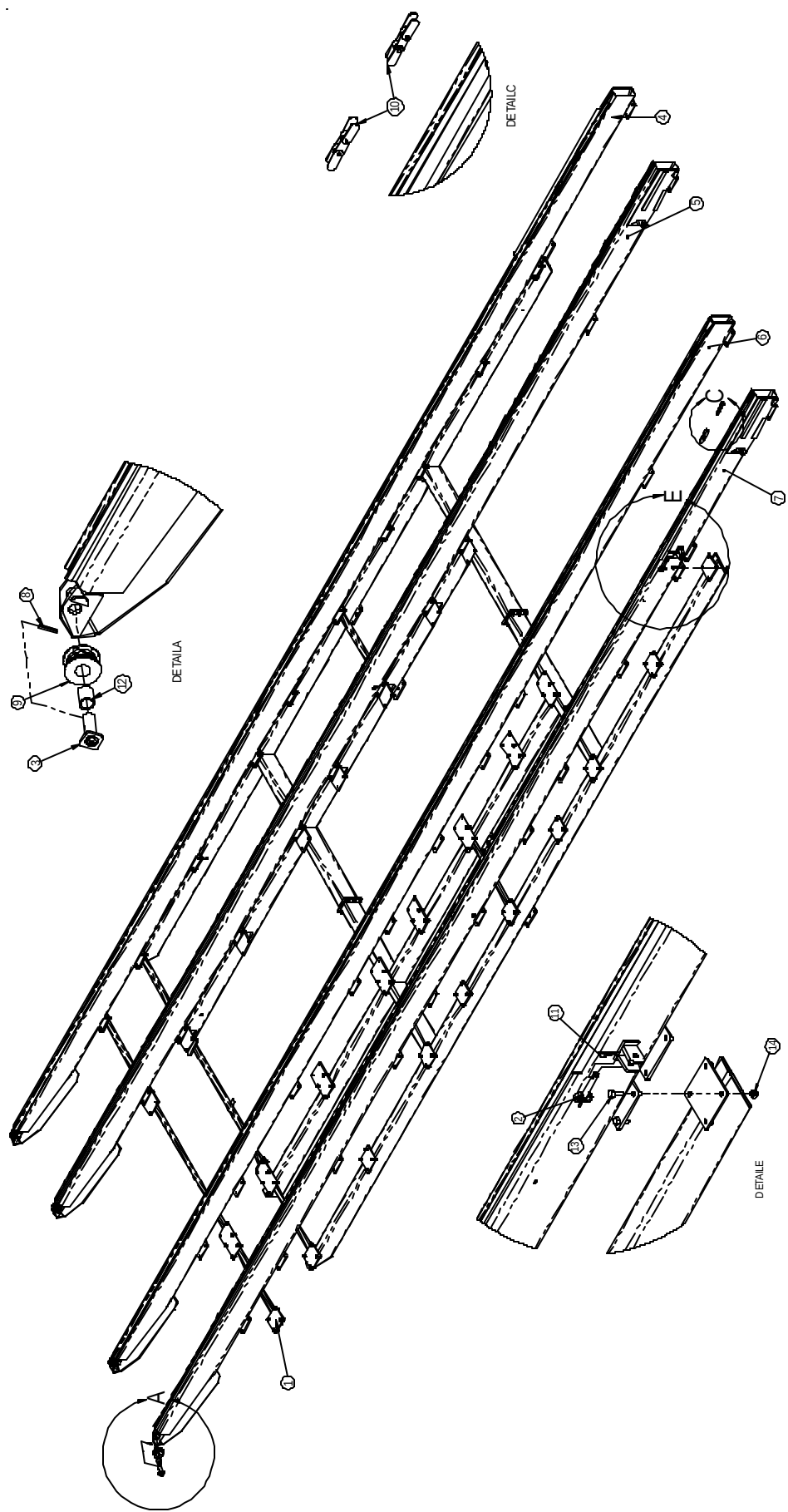
4.3 Front Bale Bumper Assembly (Part No. 42059)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	40088	BUMPER,BALE	1
2	40118	MOUNT,BUMPER,BALE	2
3	30269	BOLT,U,SQ,5/8-11,6x4-1/2,1-1/2	2
4	31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	2
5	31178	NUT,NYLOCK,5/8,UNC,ZP	4



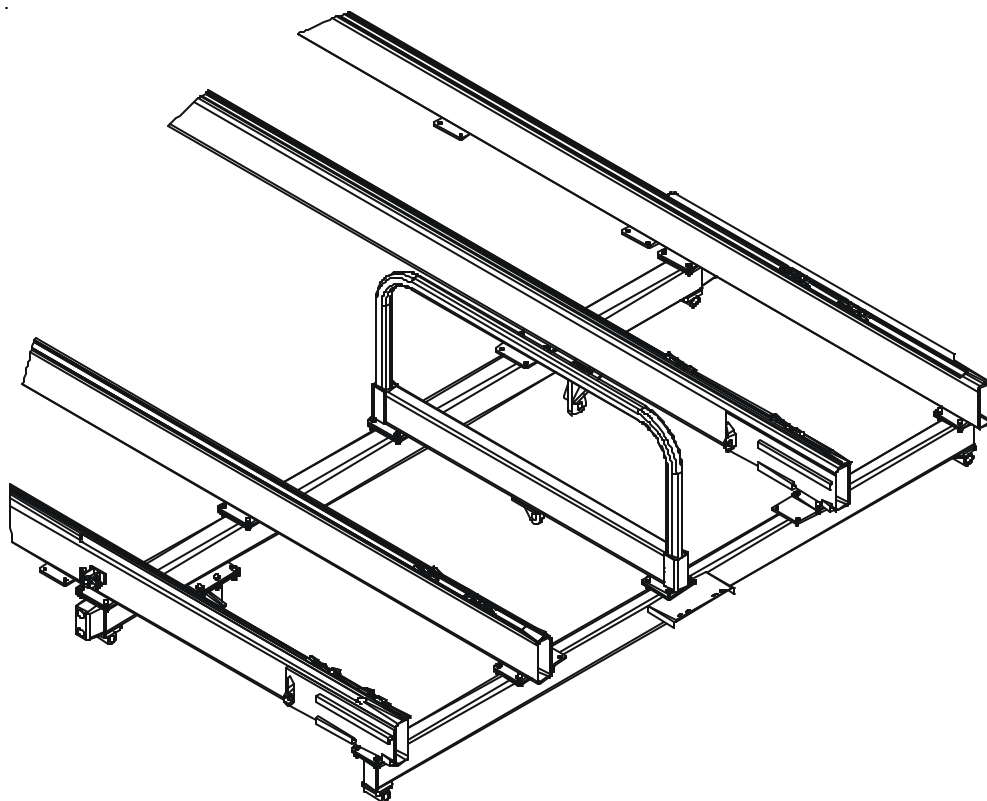
4.4 Rail Assembly (Part No. 42062)

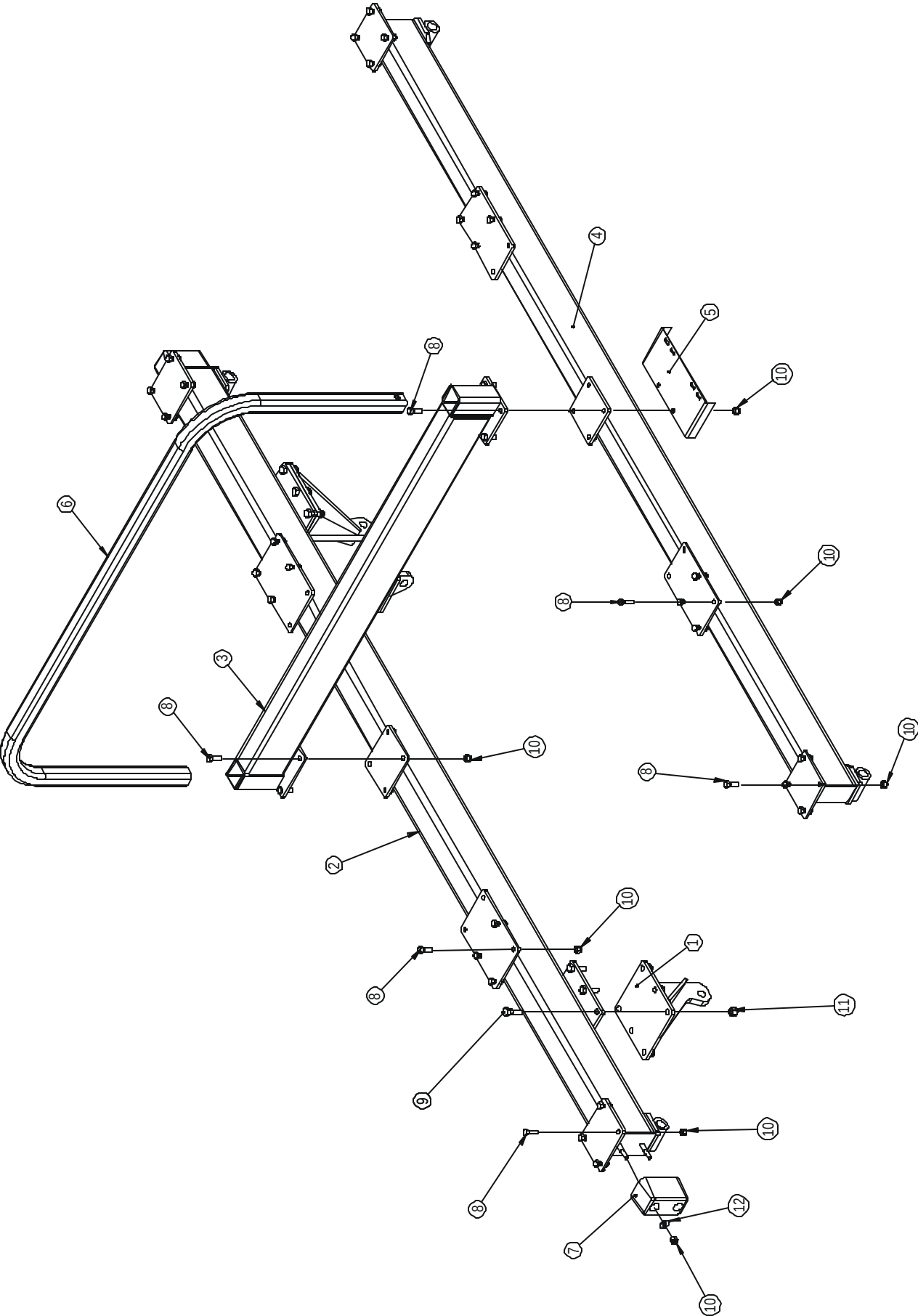
ITEMNO.	PARTNO.	DESCRIPTION	QTY.
1	40006	FRAME,SUB,REAR	1
2	42061	ASSY,TETHEREDLOCKPIN	2
3	40121	PIN,SPROCKET,REAR	4
4	40144	RAIL,OUTSIDE,LEFT	1
5	40145	RAIL,INSIDE,LEFT	1
6	40146	RAIL,INSIDE,RIGHT	1
7	40147	RAIL,OUTSIDE,RIGHT	1
8	30197	PIN,SPRING,3/16X1-1/2	4
9	30651	ROLLER,CHAIN,3ODX1-1/4ID	4
10	91508	DRV,CHAIN,ROLLER,2062H,304	8
11	91608	PIN,HAIR,1/8x2-9/16	2
12	92024	DRV,BUSHING,2232400-24	4
13	31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	144
14	31173	NUT,NYLOCK,1/2,UNC,ZP	144



4.5 Fork Mount Assembly (Part No. 42064)

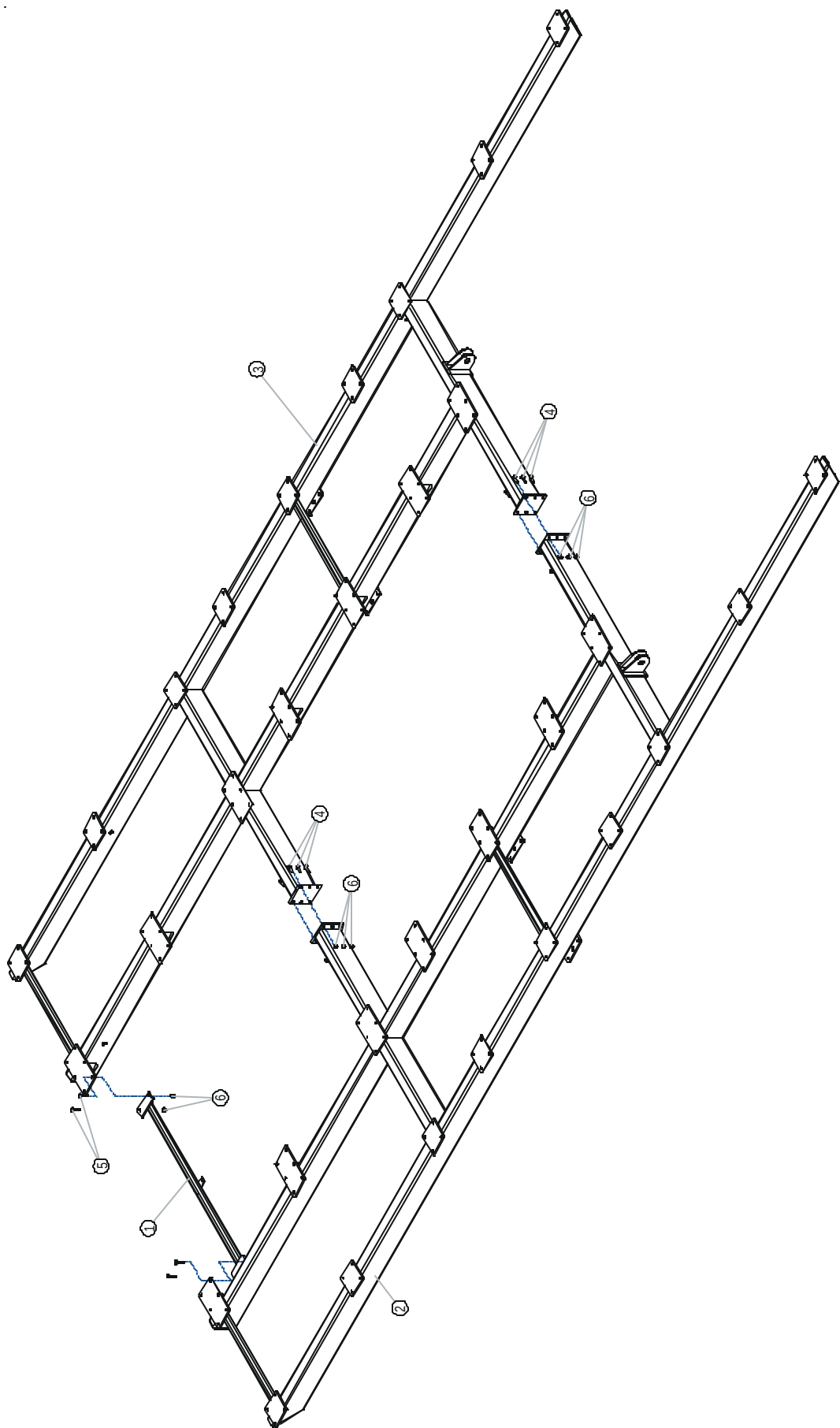
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	40140	BRACKET,CYLINDER	2
2	40143	FRAME,MIDDLE	1
3	40486	TUBE,DECK,CYL	1
4	45235	FRAME,SUB,FRONT	1
5	E4740	PLT,S,BRACKET,SOLENOID,HYD	1
6	E4779	TUBE,DIVIDER,BALE	1
7	92061	BUMPER,RUBBER	2
8	31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	40
9	31052	BOLT,HEX,5/8X2,UNC,GR5,ZP	12
10	31173	NUT,NYLOCK,1/2,UNC,ZP	44
11	31178	NUT,NYLOCK,5/8,UNC,ZP	12
12	31241	WASHER,FLAT,7/16,ZP	4





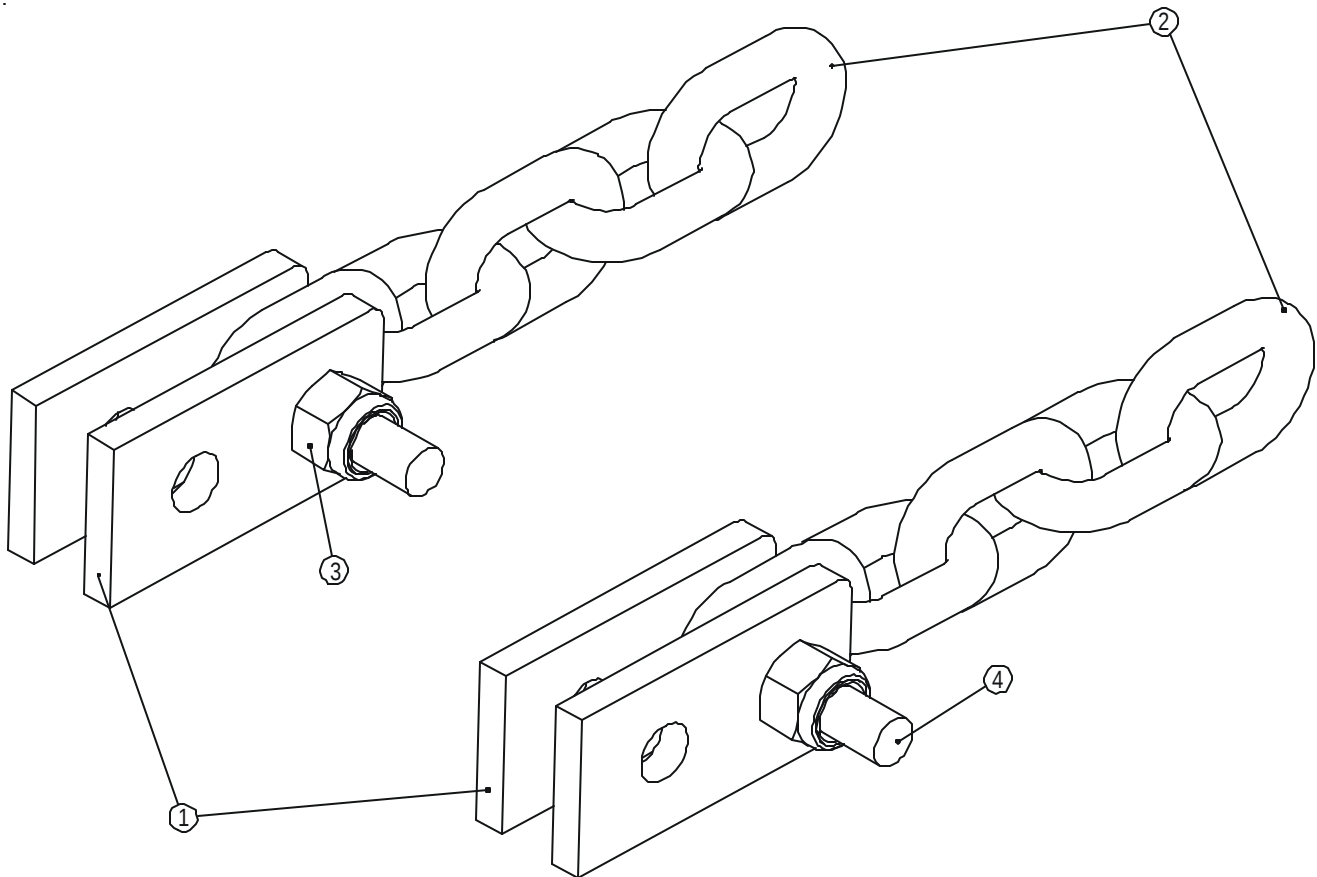
4.6 Frame Assembly (Part No. 42065)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	40105	FRAME,SUB,SIGN,SMV	1
2	45245	FRAME,MAIN,RIGHT	1
3	45246	FRAME,MAIN,LEFT	1
4	31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	12
5	31070	BOLT,HEX,1/2X2,UNC,GR5,ZP	4
6	31173	NUT,NYLOCK,1/2,UNC,ZP	16



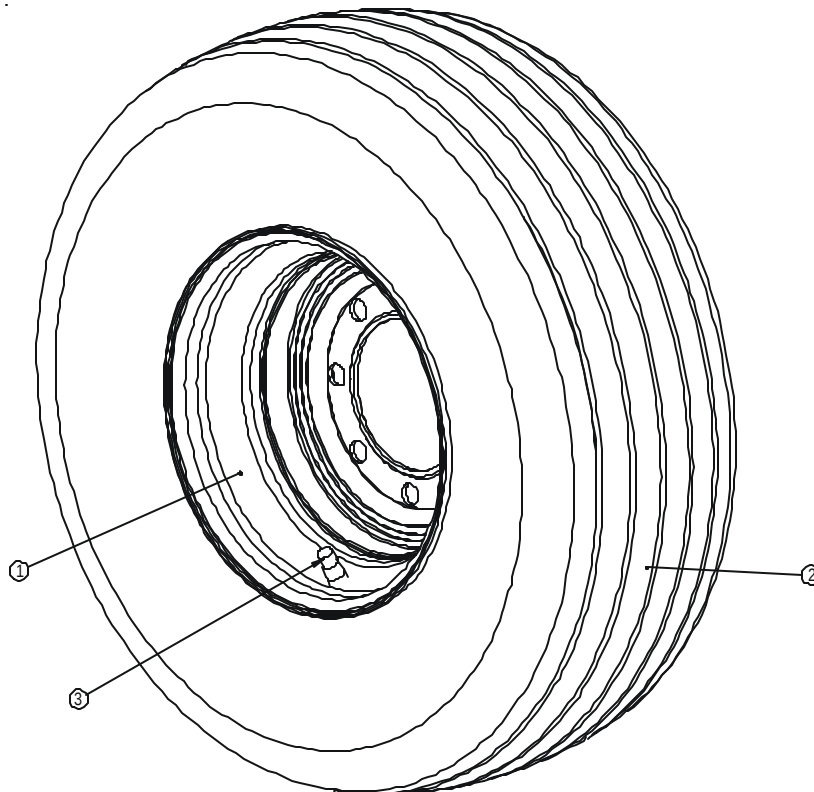
4.7 Fork Chain Assembly (Part No. 42079)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	E5652	LUG, EXTENSION	4
2	E5653	CHAIN, LINK, 1/2, GR40, 5 LINKS	2
3	31178	NUT,NYLOCK,5/8,UNC,ZP	2
4	31336	BOLT,HEX,5/8X3,UNC,GR5,ZP	2



4.8 Wheel Complete Assembly (Part No. 31795)

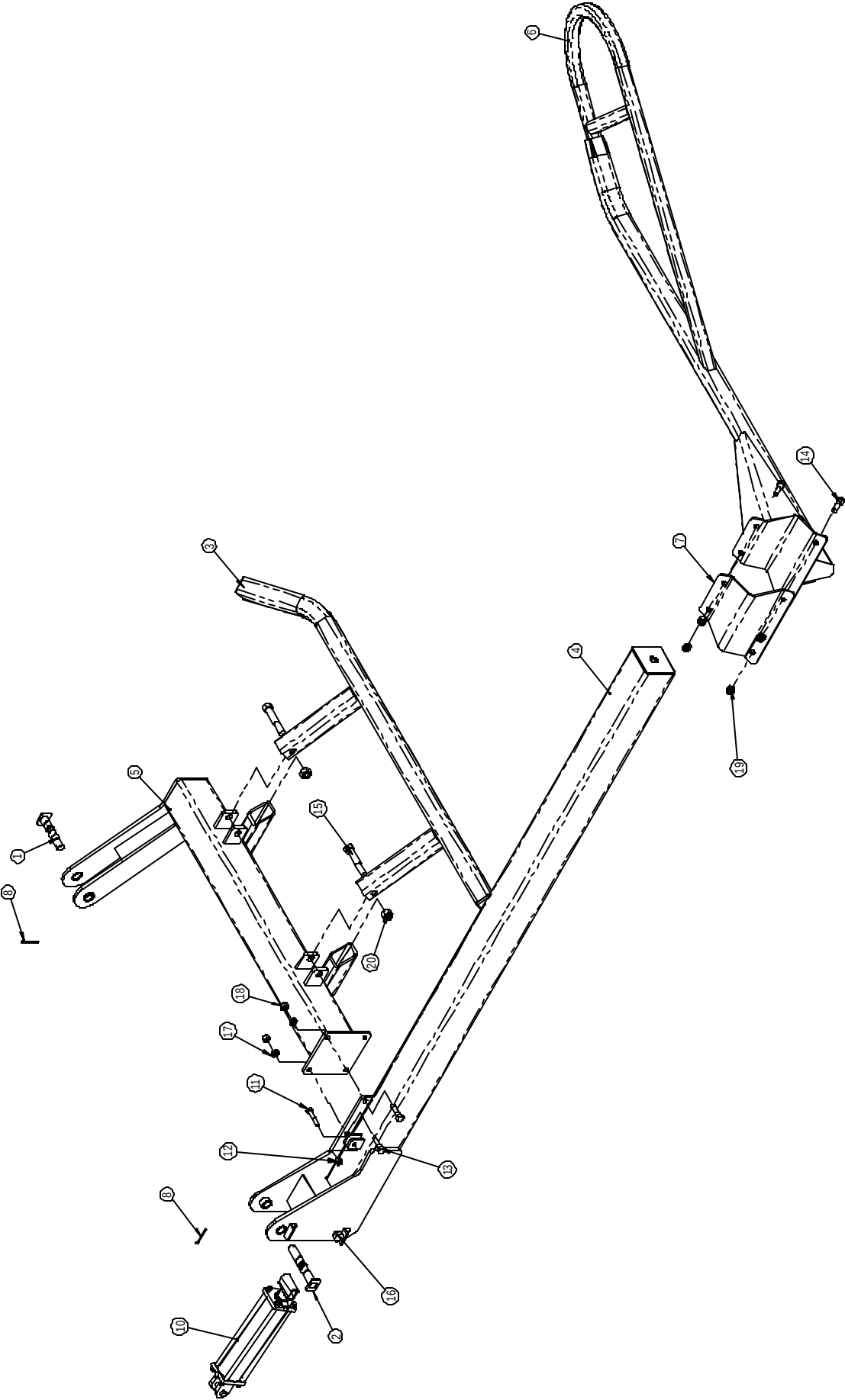
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30104	RIM,1.5X8,-1.5,8,OFFWHITE	1
2	30100	SUSP,TIRE,11LX15FI,12PLY	1
3	91048	SUSP,STEM,VALVE, TR801HP	1
4	33014	SUSP,TUBE,11L-15	1



4.9 Right Fork Lift Assembly (Part No. 49820)

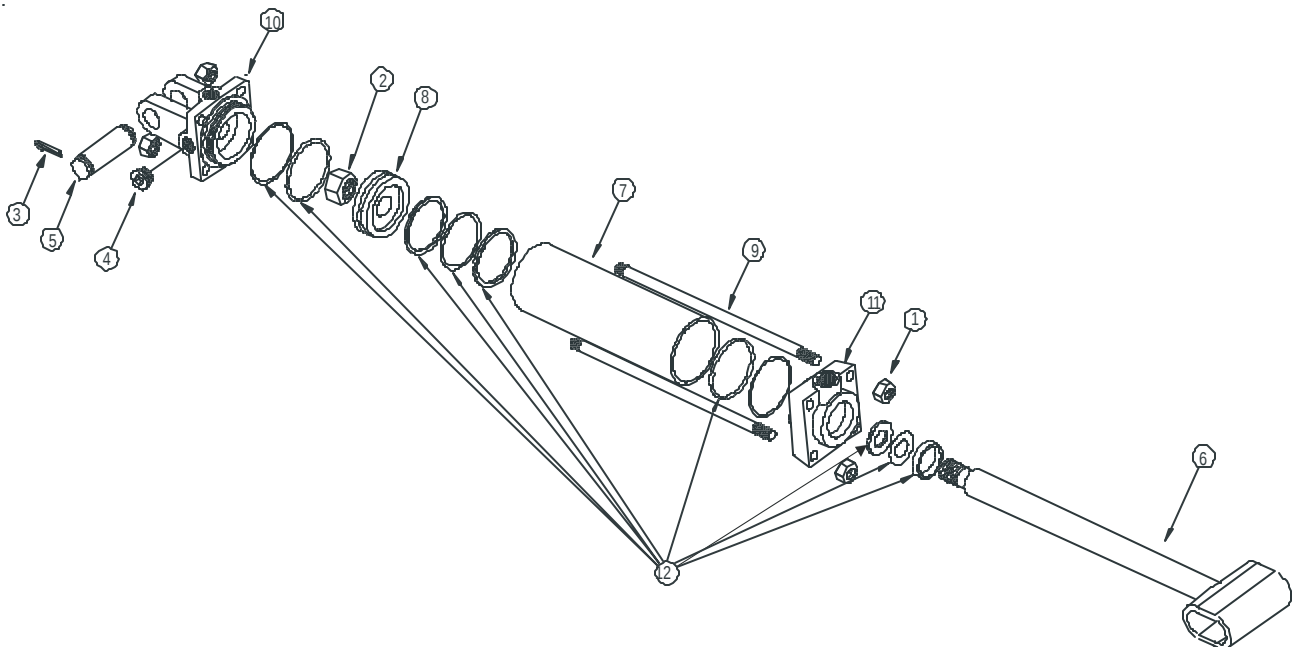
ITEMNO.	PARTNO.	DESCRIPTION	QTY.
1	40010	PIN,ARM,SIDE,PIVOT	1
2	42103	WLDT,PIN,FORK,PIVOT	1
3	42109	WLDT,FORK,INNER	1
4	49821	WLDT,ARM,INNER,FF,RT,V	1
5	42116	WLDT,FORK,INNER,FF,RT	1
6	49813	WLDT,FORK,OUTER,RT	1
7	E7731	PLT,S,TUBE,CLAMP	1
8	31182	PIN,COTTER,1/4X2-1/2	2
9	33316(1.5)	OIL,HYDRAULIC,UTF	1
10	90120	HYD,CYL,3.5X13,1.5NITRO,8FP	1
11	31336	BOLT,HEX,5/8X3,UNC,GR5,ZP	1
12	31178	NUT,NYLOCK,5/8,UNC,ZP	1
13	31040	BOLT,HEX,3/4X2-1/2,UNC,GR5,ZP	4
14	31041	BOLT,HEX,3/4X3,UNC,GR5,ZP	4
15	31473	BOLT,HEX,1X5-1/2,UNC,GR5,ZP	2
16	33517	BOLT,HEX,1X9,UNC,GR8,ZP	1
17	31246	WASHER,LOCK,3/4,ZP	4
18	33234	NUT,STOVER,3/4,UNC,GR5,ZP	4
19	31175	NUT,NYLOCK,3/4,UNC,ZP	4
20	31172	NUT,NYLOCK,1,UNC,ZP	3

ITEM#9NOTSHOWN



4.9.1 3.5x13 Hydraulic Cylinder (Part No. 90120)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30663	NUT,HEX,5/8,UNC,GR5,Z P	8
2	30237	NUT,HEX,1,UNS,GR5	1
3	30238	PIN,COTTER,3/16X1-1/2	2
4	30240	HYD,FIT,PLUG,1/2-14,NPTF,DRYSEAL	1
5	32250	HYD,CYL,PIN,1	1
6	30242	HYD,CYL,ROD,1-1/2X17,NITRO	1
7	30245	HYD,CYL,3-1/2X13,H6203	1
8	30251	HYD,CYL,PISTON,3-1/2,H6688	1
9	30255	HYD,CYL,TIEROD,5/8X13,SPECIAL	4
10	30258	HYD,CYL,CLEVIS,CAP, 3-1/2,NPTF	1
11	30259	HYD,CYL,CAP, ROD,3-1/2X1-1/2,8FP	1
12	30263	HYD,CYL,SEALKIT,3-1/2,639578	1

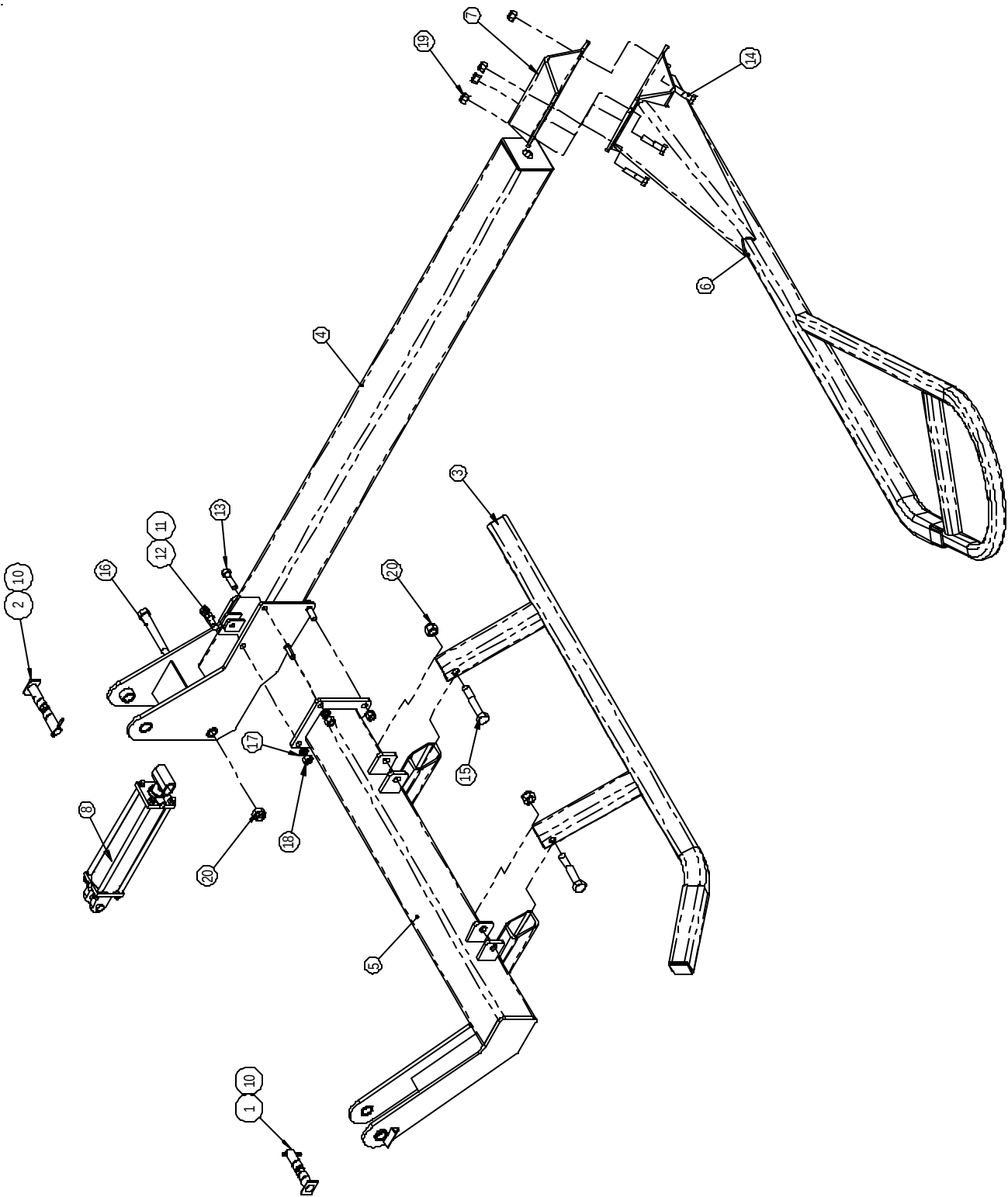


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4.10 Left Fork Lift Assembly (Part No. 42110)

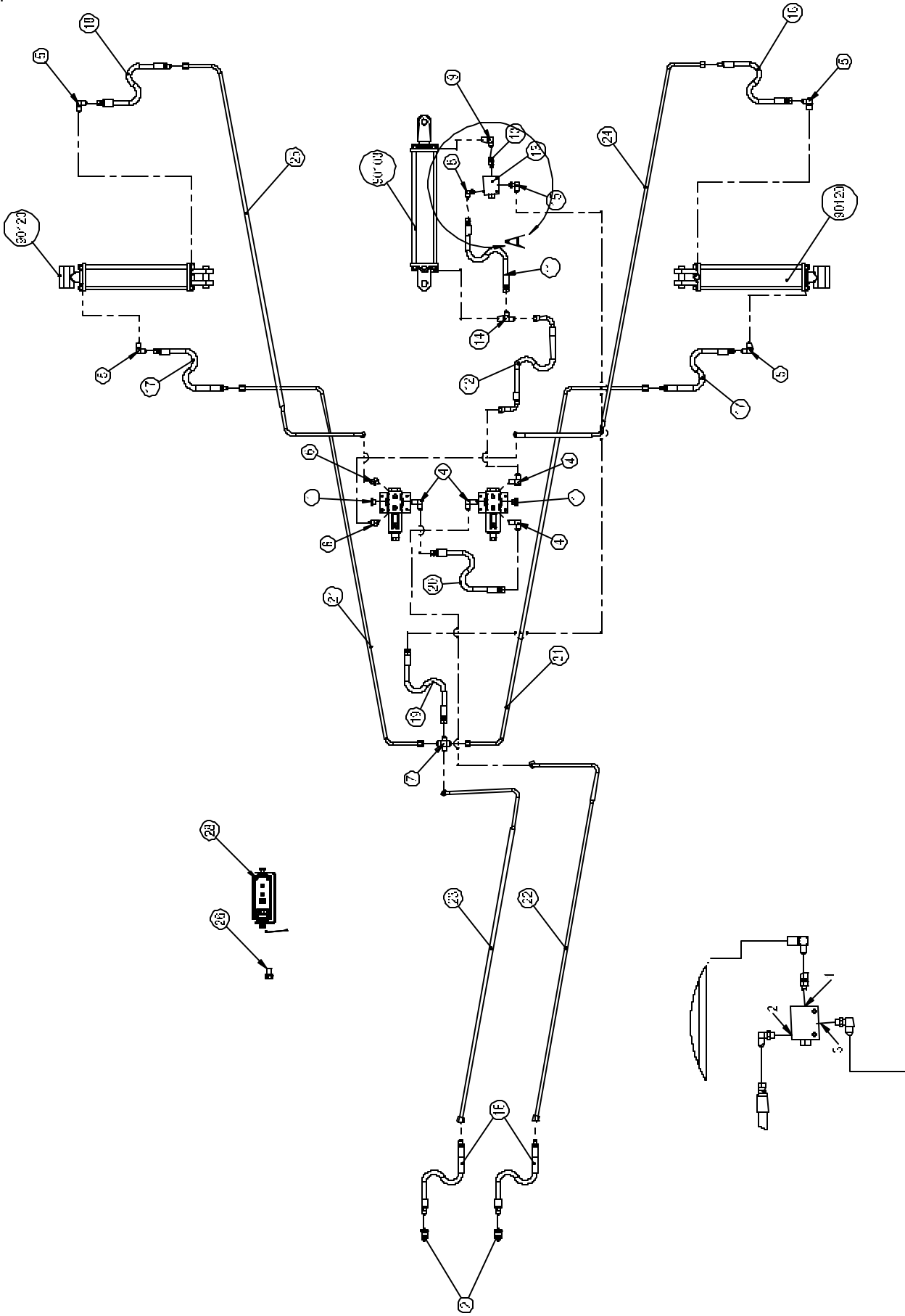
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	40010	PIN,ARM,SIDE,PIVOT	1
2	42103	WLDT,PIN,FORK,PIVOT	1
3	42109	WLDT,FORK,INNER	1
4	42111	WLDT,ARM,INNER,FF,LT	1
5	42113	WLDT,FORK,INNER,FF,LT	1
6	49812	WLDT,FORK,OUTER,LT	1
7	E7731	PLT,S,TUBE,CLAMP	1
8	90120	HYD,CYL,3.5X13,1.5NITRO,8FP	1
9	33316(1.5)	OIL,HYDRAULIC,UTF	1
10	31182	PIN,COTTER,1/4X2-1/2	2
11	31336	BOLT,HEX,5/8X3,UNC,GR5,ZP	1
12	31178	NUT,NYLOCK,5/8,UNC,ZP	1
13	31040	BOLT,HEX,3/4X2-1/2,UNC,GR5,ZP	4
14	31041	BOLT,HEX,3/4X3,UNC,GR5,ZP	4
15	31473	BOLT,HEX,1X5-1/2,UNC,GR5,ZP	2
16	33517	BOLT,HEX,1X9,UNC,GR8,ZP	1
17	31246	WASHER,LOCK,3/4,ZP	4
18	33234	NUT,STOVER,3/4,UNC,GR5,ZP	4
19	31175	NUT,NYLOCK,3/4,UNC,ZP	4
20	31172	NUT,NYLOCK,1,UNC,ZP	3

*NOTE: ITEM 9 NOT SHOWN

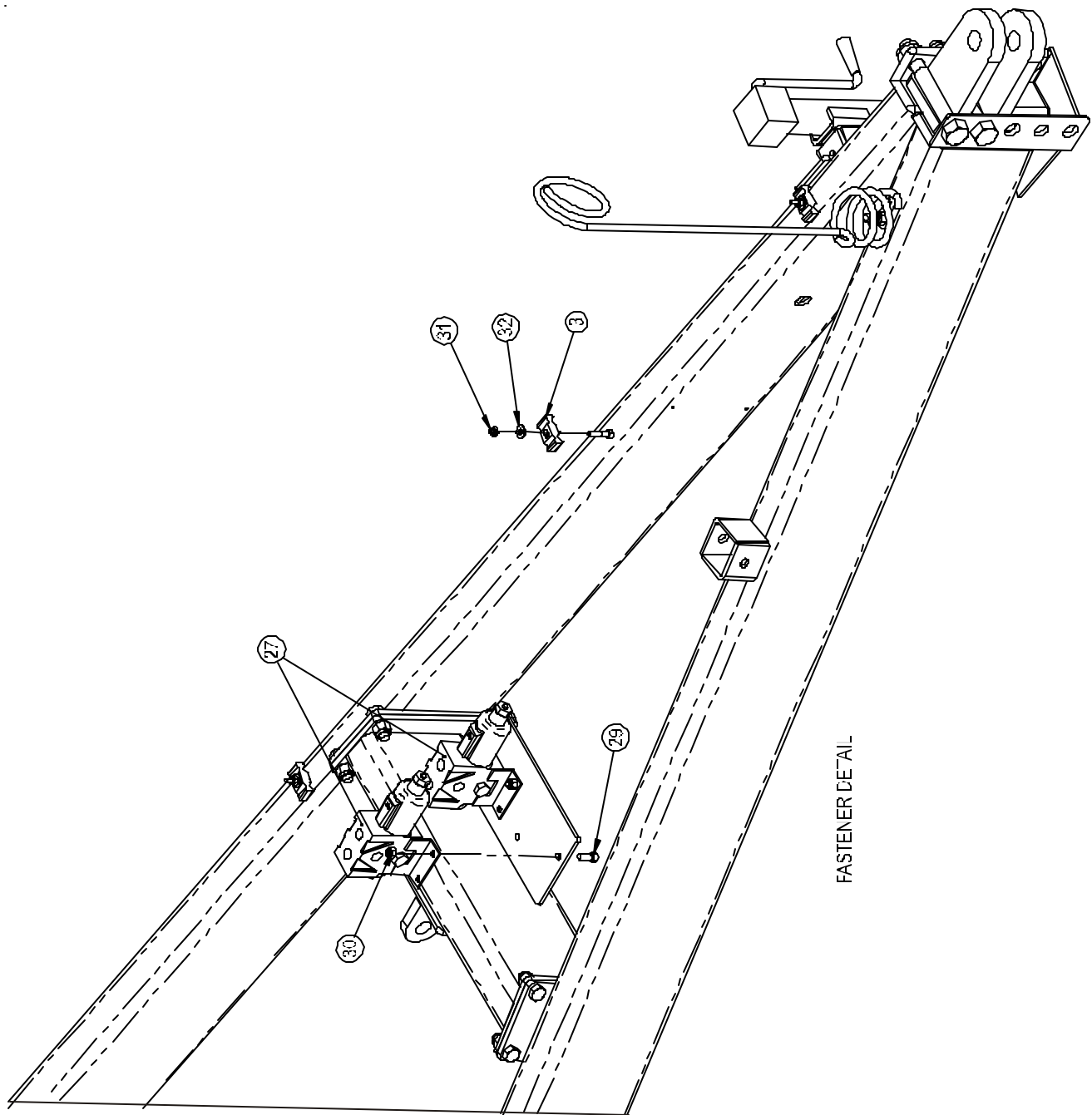


4.11 Hydraulic Cylinder Schematic (Part No. 42070)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30200	HYD.FIT,PLUG,3MB	2
2	30209	HYD.FIT,PIONEER,MALE,8FP	2
3	30210	HYD.CLAMP,HOSE,1/2	6
4	30211	HYD.FIT,ELBOW,8MB-8MJ90	4
5	30212	HYD.FIT,ELBOW,8MP-8MJ90	4
6	30215	HYD.FIT,ADAPTER,8MB-8MJ	2
7	30216	HYD.FIT,CROSS,8MJ	1
8	30390	HYD.FIT,ELBOW,8MB-6MJ90	1
9	30580	HYD.FIT,ELBOW,8MP-6MJ90	1
10	30581	HYD.FIT,ADAPTER,6FJX-6MB	1
11	30582	HYD.HOSE,3/8X14.5,8FJX-6FJX,1W	1
12	30583	HYD.HOSE,3/8X30,8FJ30TL,1W	1
13	30653	HYD.CHECK,PILOT,3X6MB	1
14	32035	HYD.FIT,TEE,5MP-8MJ-8MJ	1
15	32079	HYD.FIT,ELBOW,6MB-8MJ90	1
16	90223	HYD.HOSE,3/8X58,8MJ-8MP,1W	2
17	90243	HYD.HOSE,3/8X44,8FJX-8MJ,1W	2
18	90245	HYD.HOSE,3/8X28,8FJX-8MJ,1W	2
19	90277	HYD.HOSE,3/8X42,8FJX-8FJX,1W	1
20	90313	HYD.HOSE,3/8X18,8FJX-8FJX,1W	1
21	90421	HYD.LINE,STEEL,1/2X.049,8FJ	2
22	90422	HYD.LINE,STEEL,1/2X.049,8FJ	1
23	90423	HYD.LINE,STEEL,1/2X.049,8FJ	1
24	90424	HYD.LINE,STEEL,1/2X.049,8FJ	1
25	90425	HYD.LINE,STEEL,1/2X.049,8FJ	1
26	92077	ELEC_HARNESS,CONTROL,143M	1
27	92089	HYD.VALVE,SOLENOID	2
28	92125	ELEC_BOX,CONTROL,14BM	1
29	31043	BOLT,HEX,3/8X1,UNC,GR5,ZP	4
30	31176	NUT,NYLOCK,3/8,UNC,ZP	4
31	31177	NUT,NYLOCK,5/16,UNC,ZP	6
32	31239	WASHER,FLAT,5/16,ZP	6



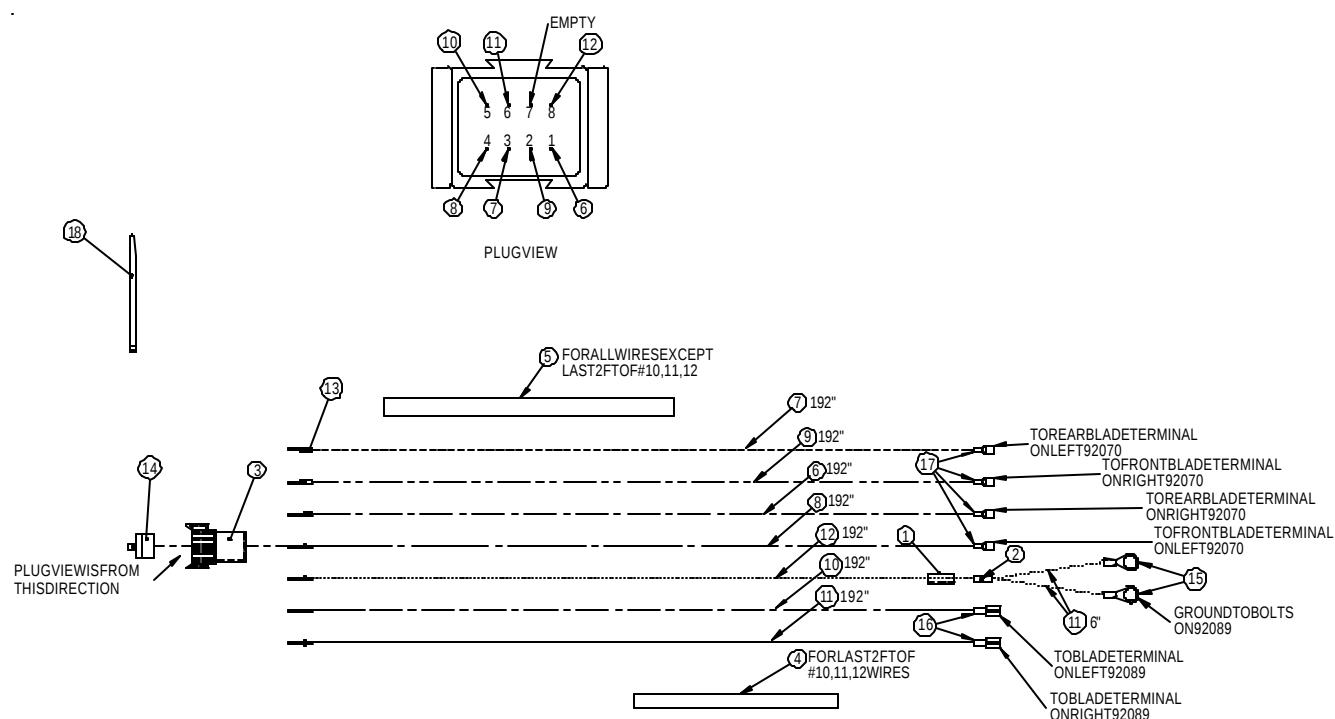
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4.11.1 Control Harness (Part No. 92077)

ITEMNO.	PARTNO.	DESCRIPTION	QTY.
1	31976(.1)	ELEC,HEAT_SHRINK,DUAL_WALL,1/4	1
2	31978	ELEC,CONN,BUTT,12-10GA,NON_INSULATED	1
3	92104	ELEC_CONNECTOR,M,7-PIN	1
4	31734(2)	ELEC,LOOM,1/4,SPLIT,CORRUGATED	1
5	92143(15)	ELEC,LOOM,1/2,SPLIT,CORRIGATED	1
6	92149(16)	ELEC,WIRE,16GA,STRAND,BLACK	1
7	92150(16)	ELEC,WIRE,16GA,STRAND,WHITE	1
8	92151(16)	ELEC,WIRE,16GA,STRAND,RED	1
9	92152(16)	ELEC,WIRE,16GA,STRAND,ORANGE	1
10	92153(16)	ELEC,WIRE,16GA,STRAND,GREEN	1
11	92154(16)	ELEC,WIRE,16GA,STRAND,YELLOW	1
12	92155(17)	ELEC,WIRE,16GA,STRAND,BROWN	1
13	92157	ELEC_CONNECTOR,M,PIN	7
14	92161	ELEC_CONNECTOR,M,WEDGE	1
15	92166	ELEC_CONNECTOR,RING,3/8,16-14,ST,INS	2
16	92169	ELEC_CONNECTOR,QD,250F,16-14,ST,INS	2
17	92167	ELEC,CONN,QD,250F,16-14,ST,FUL	4
18	92170	TIE,CABLE,4",BLACK	8

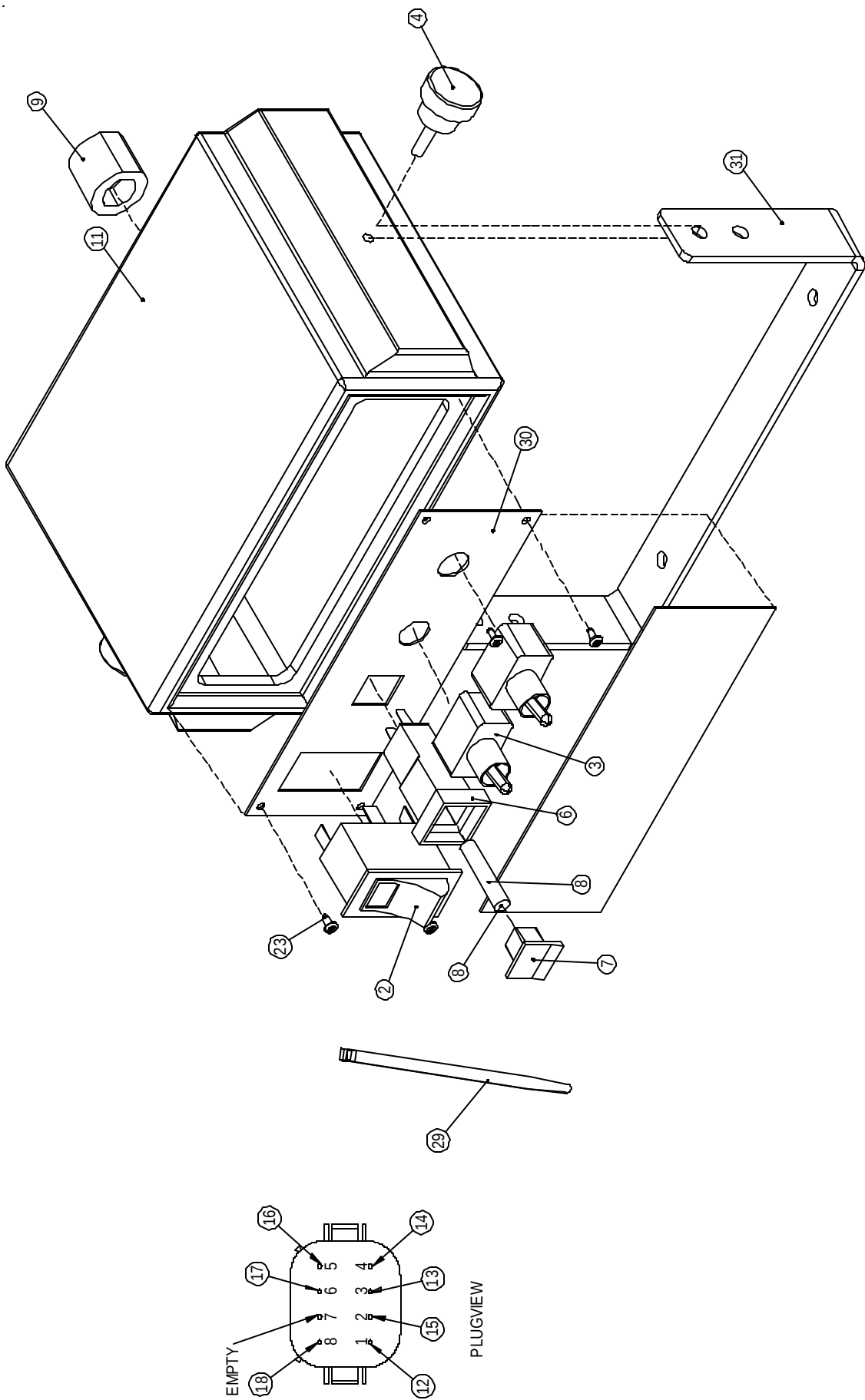
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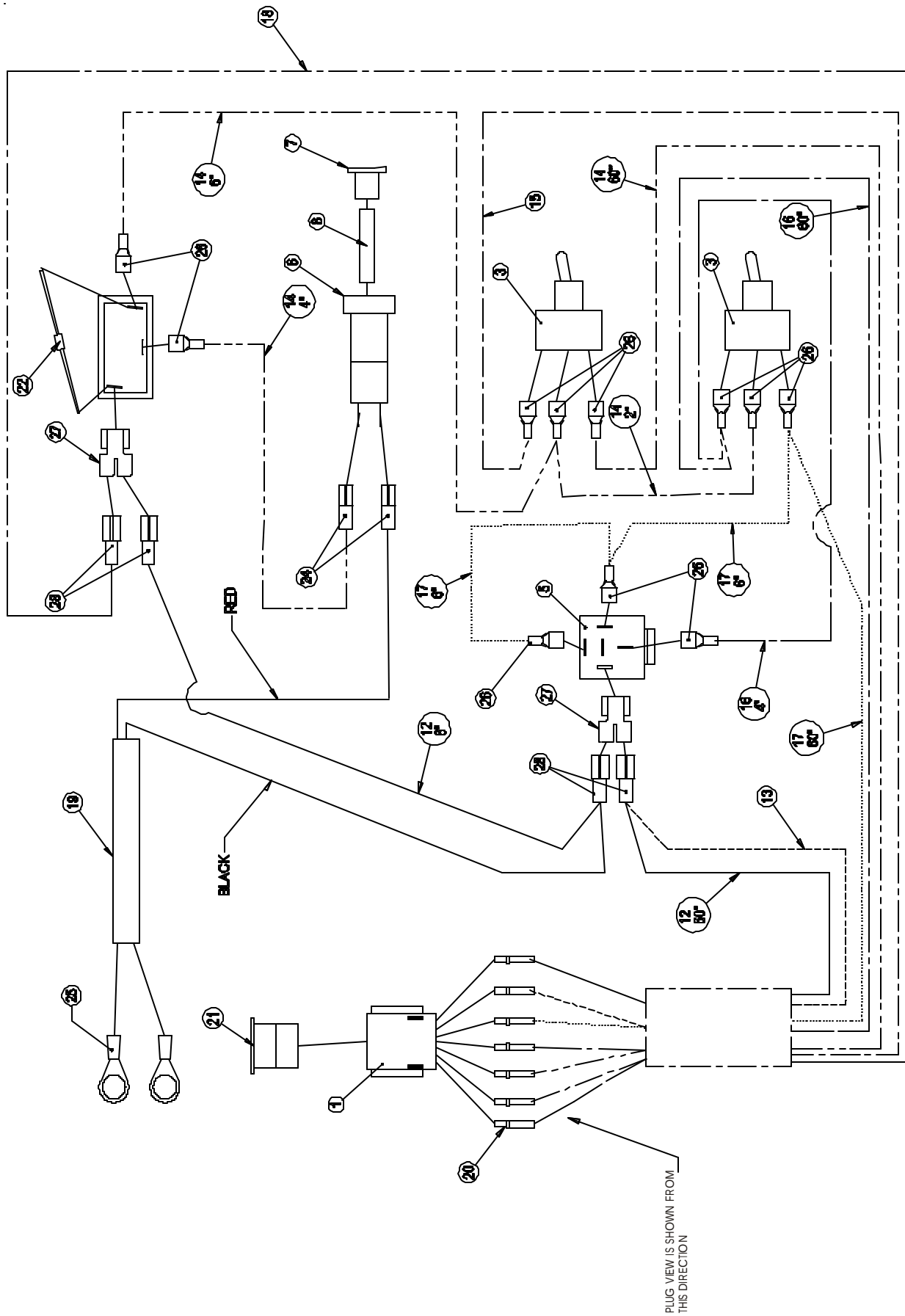


4.11.2 Electric Control Box (Part No. 92125)

ITEMNO.	PARTNO.	DESCRIPTION	QTY.
1	92106	ELEC_CONNECTOR,F,7PIN	1
2	92107	ELEC_SWITCH,ROCKER,3,NO	1
3	92108	ELEC_SWITCH,TOGGLE,3,NC	2
4	92119	SCREW,THUMB,10X3/4,UNC	2
5	92130	ELEC_RELAY,12V,30A	1
6	92138	ELEC_HOLDER,BUS,BODY	1
7	92139	ELEC_HOLDER,BUS,CAP	1
8	92140	ELEC_FUSE,BUS,12V20A,FAST	1
9	92141	RELIEF_BUSHING,1260	1
10	92143(5)	ELEC,LOOM,1/2,SPLIT,CORRIGATED	1
11	92146	PLASTIC,ENCLOSURE	1
12	92149(5.5)	ELEC,WIRE,16GA,STRAND,BLACK	1
13	92150(5)	ELEC,WIRE,16GA,STRAND,WHITE	1
14	92151(6)	ELEC,WIRE,16GA,STRAND,RED	1
15	92152(5)	ELEC,WIRE,16GA,STRAND,ORANGE	1
16	92153(5.33)	ELEC,WIRE,16GA,STRAND,GREEN	1
17	92154(6)	ELEC,WIRE,16GA,STRAND,YELLOW	1
18	92155(5)	ELEC,WIRE,16GA,STRAND,BROWN	1
19	92156(8.5)	ELEC,WIRE,2C-16GA,STRAND,RED/BLACK	1
20	92158	ELEC_CONNECTOR,F,SOCKET	7
21	92162	ELEC_CONNECTOR,F,WEDGE	1
22	92163	ELEC_DIODE,12V,20A	1
23	92164	SCREW,TAP,#4X1/4,ZP	4
24	92165	ELEC_CONNECTOR,QD,188F,16-14,ST,INS	2
25	92166	ELEC_CONNECTOR,RING,3/8,16-14,ST,INS	2
26	92167	ELEC,CONN,QD,250F,16-14,ST,FUL	11
27	92168	ELEC_CONNECTOR,ADP,1/4,F/M/M,ST,NON	2
28	92169	ELEC_CONNECTOR,QD,250F,16-14,ST,INS	4
29	92170	TIE,CABLE,4",BLACK	5
30	92220	FACEPLATE,CONTROLBOX,14	1
31	E4751	PLT,S,BRACKET,BOX,CONTROL	1
32	E5805	DECAL,CONTROLBOX,FACEPLT,14BM	1

NOTE: 90138 IS A SEPARATE ASSEMBLY OF THE WIRING HARNESS ONLY

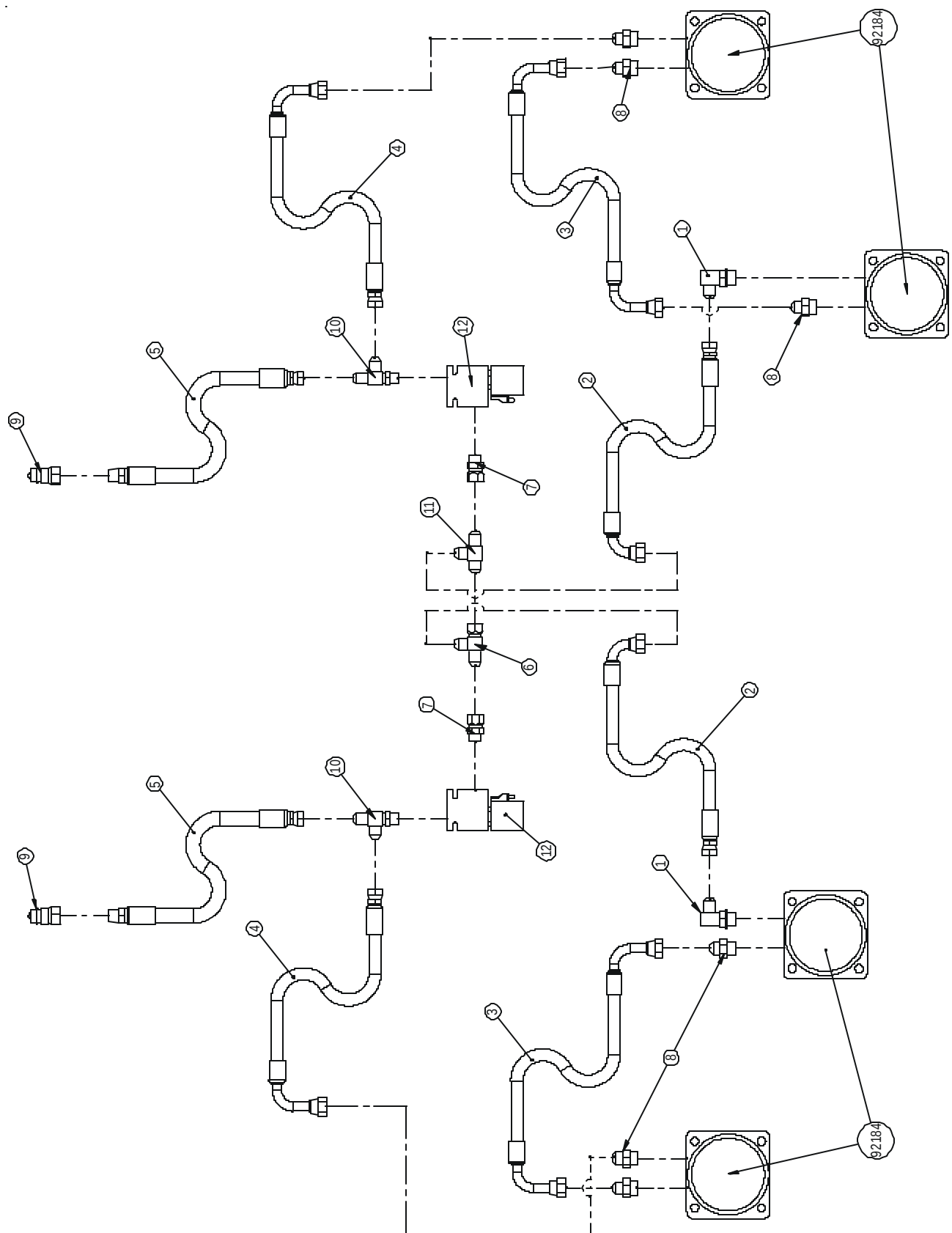


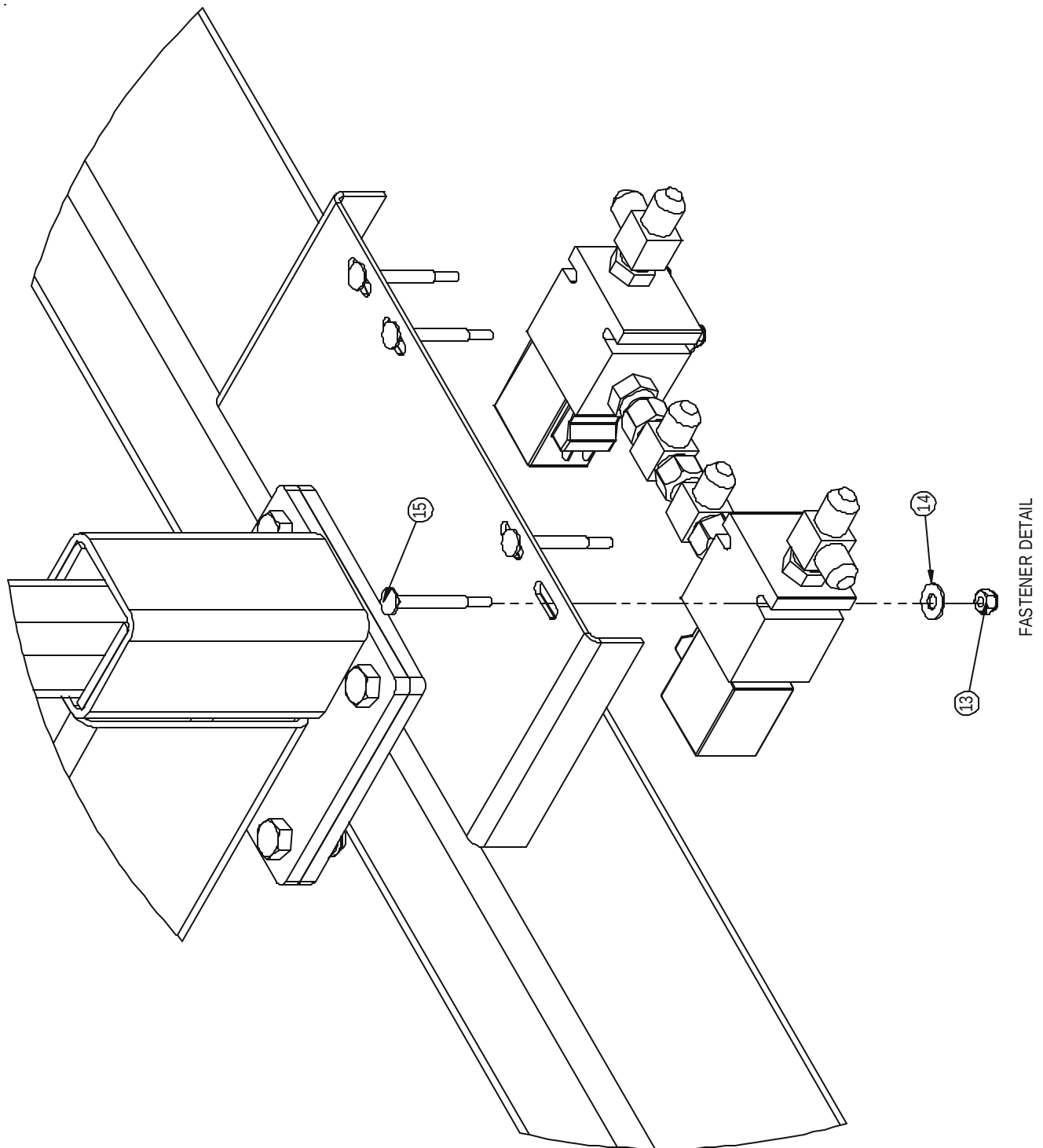


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4.12 Hydraulic Motor Schematic (Part No. 42071)

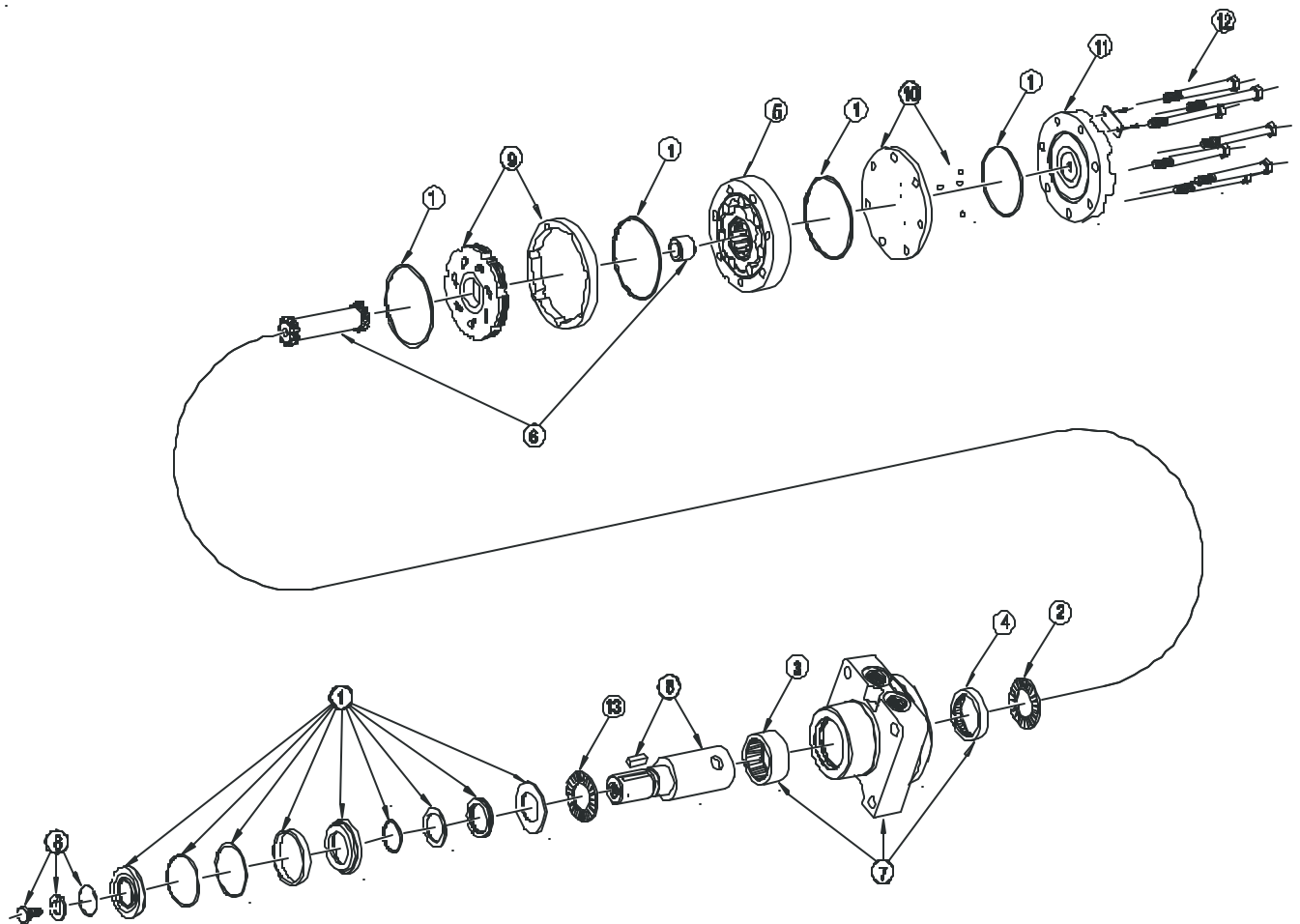
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30145	HYD, FIT, ELBOW, 10MB-8MJ90	2
2	30146	HYD,HOSE1/2X33,8FJX-8FJ90T,1W	2
3	30147	HYD,HOSE,1/2X52,8FJ90TL,1W	2
4	30148	HYD,HOSE1/2X72,8FJX-8FJ90T,1W	2
5	30149	HYD,HOSE,1/2X108,8FJX-8MP,1W	2
6	30150	HYD,FIT,TEE,8FJX-8MJ-8MJ	1
7	30152	HYD,FIT,ADAPTER,8MB-8FJX	2
8	30204	HYD,FIT,ADAPTER,10MB-8MJ	6
9	30209	HYD,FIT,PIONEER,MALE,8FP	2
10	30214	HYD,FIT,TEE,8MB-8MJ-8MJ	2
11	30313	HYD,FIT,TEE,8MJ-8MJ-8MJ	1
12	92070	HYD,VALVE,SV4-10-C-8T-12DQ	2
13	31174	NUT,NYLOCK,1/4,UNC,ZP	4
14	31237	WASHER,FLAT,1/4,ZP	4
15	31580	BOLT,CARR,1/4X2-1/2,UNC,GR5,ZP	4





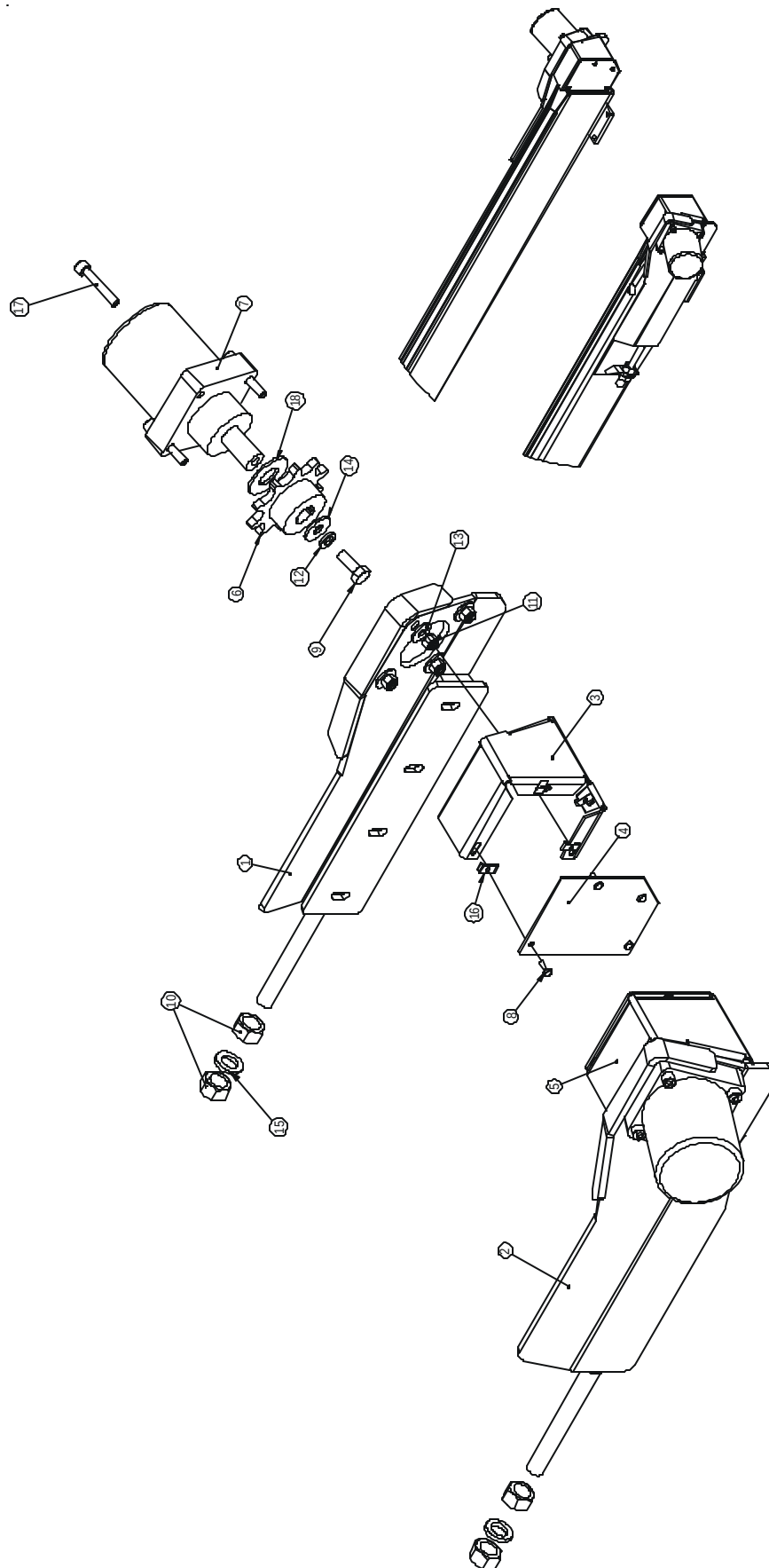
4.12.1 45 Cubic Inch Hydraulic Motor (Part No. 92184)

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



4.13 Motor Assembly (Part No. 42073)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	40115	TIGHTENER,MOTOR,LEFT	1
2	40116	TIGHTENER,MOTOR,RIGHT	1
3	E4802	HOUSING,GUARD,RIGHT	1
4	E4803	PLT,S,FACE,GUARD	2
5	E4810	HOUSING,GUARD,LEFT	1
6	92063	DRV,SPROCKET,2062,10TOOTH,1-1/4	2
7	92184	HYD,MOTOR,45,2000PSI	2
8	31033	BOLT,HEX,1/4X3/4,UNC,GR5,ZP	8
9	31051	BOLT,HEX,5/8X1-1/2,UNC,GR5,ZP	2
10	31159	NUT,ACME,1,5TPI,RH	4
11	31173	NUT,NYLOCK,1/2,UNC,ZP	8
12	31218	WASHER,LOCK,5/8,ZP	2
13	31236	WASHER,FLAT,1/2,ZP	8
14	31240	WASHER,FLAT,5/8,ZP	2
15	31243	WASHER,LOCK,1,ZP	2
16	31593	CLIP,AUTOMOTIVE,1/4,GR5,ZP	8
17	31797	BOLT,SOCKET,1/2X2-3/4,UNC,GR5	8
18	32071	WASHER,FLAT,1-1/4	2



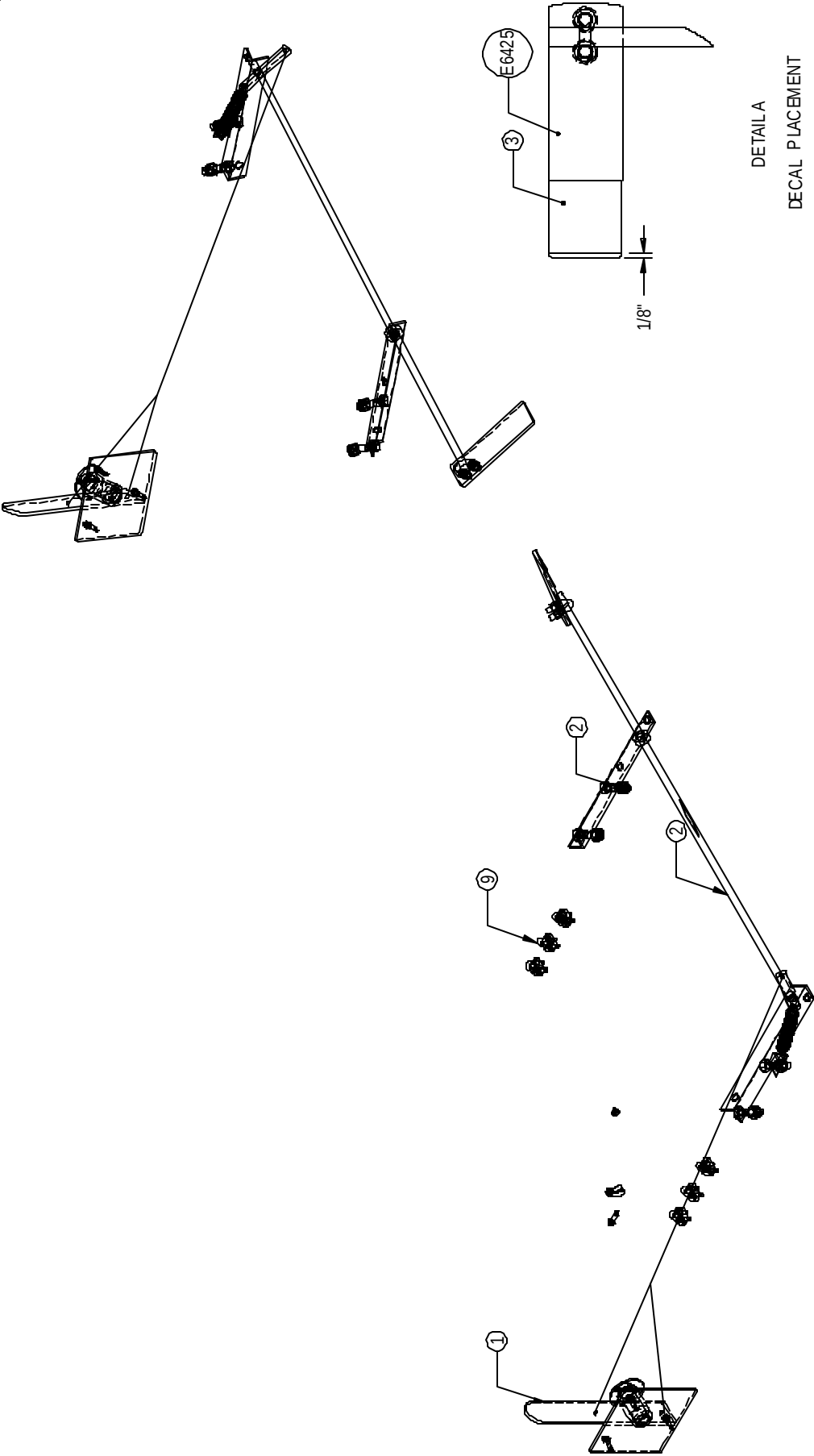
5.0 Options

5.1 Indicator Option (Part No. BMO14BI-3 (89033))

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49453	ASSY,INDICATOR,REAR	2
2	49455	ASSY,INDICATOR,FRONT	2
3	E6328	REFLECTIVE,TAPE,SELECTOR	2
4	33207(4.5)	ROPE,WIRE,5/32",STRAND	2
5	33207(35)	ROPE,WIRE,5/32",STRAND	2
6	33208	SLEEVE,STOP,CABLE,5/32"	4
7	30294	SCREW,TEK,1/4X1	18
8	31649	ELEC,CLAMP,CABLE,1/2	18
9	92014	CLAMP,CABLE,1/4	6
10	30295(.9)	PAINT,ORANGE,HIGHLINE	1
11	30296(.05)	PAINT,CATALYST,SPO3937P2	1

WIRE ROPE DIMENSIONS IN () ARE IN FEET
 PAINT & CATALYST DIMENSIONS IN () ARE IN LITERS

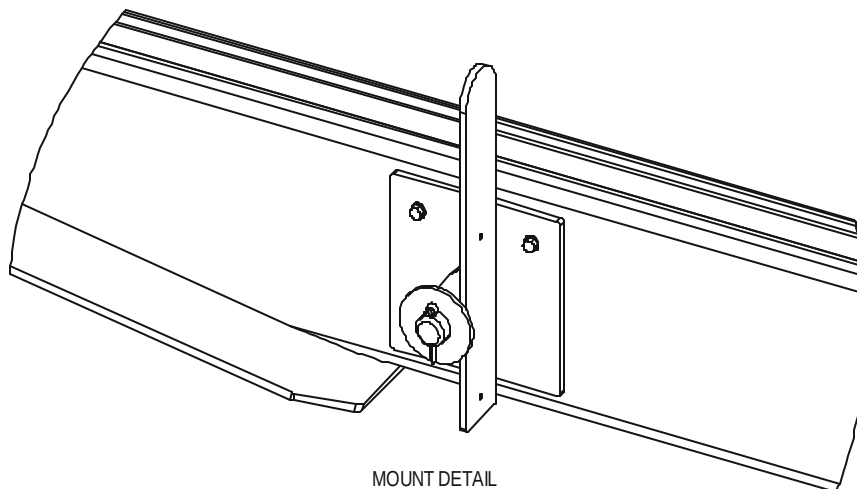
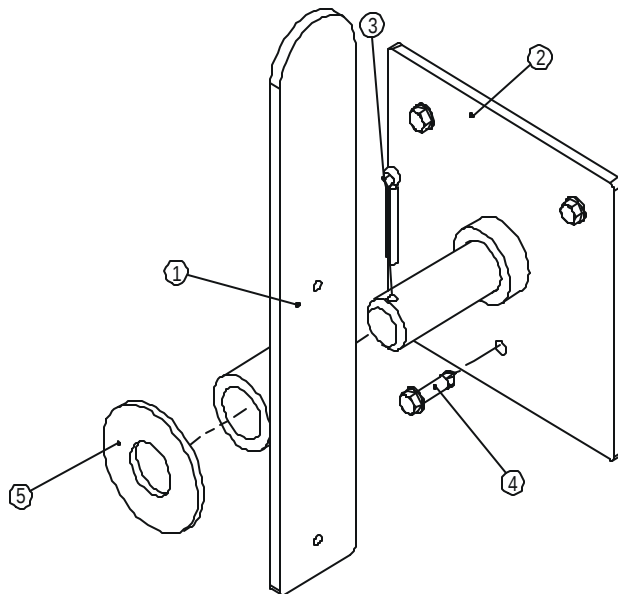
- NOTE:
- 1.MOUNT 31649 4 FEET FROM FRONT AND REAR INDICATOR PIVOT POINTS WITH 30294'S ON THE INSIDE OF THE FORK RAIL, SPACE REMAINING 31649'S AT APPROX 4FT INTERVALS W/REMAINING 30294'S.
 - 2.RUN LONG CABLE THROUGH 31649'S AND MAKE 1" LOOP W/ 1/4" CLAMP THROUGH THE HOLE IN THE ROD ASSY AT THE FRONT OF THE MACHINE.
 - 3.RUN SHORT CABLE THROUGH HOLES IN PADDLE PLATE AND ATTACH CABLE STOPS. MAKE 1" LOOP @ CENTER OF CABLE W/ 1/4" CLAMP.
 - 4.REMOVE AS MUCH SLACK AS POSSIBLE IN LONG CABLE AND MAKE 1" LOOP W/ 1/4" CLAMP THROUGH LOOP IN SHORT CABLE. SPRING SHOULD BE SLIGHTLY PRETENSIONED. TRIM EXCESS CABLE.



5.1.1 Rear Indicator Assembly (Part No. 49453)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49454	WLDT,PADDLE,INDICATOR	1
2	49457	WLDT,BRACKET,REAR	1
3	30238	PIN,COTTER,3/16X1-1/2	1
4	30294	SCREW,TEK,1/4X1	3
5	31235	WASHER,FLAT,1,ZP	1

MOUNT 49459 ON INSIDE OF NON-FORK RAIL
BACK OF EDGE OF PLAT E SHOULD BE DIRECTLY
ABOVE LEADING EDGE OF SKIDPAD. BOTTOM EDGE
OF PLATE SHOULD BE 1" FROM BOTTOM OF RAIL.
ATTACH WITH SCREWS PROVIDED

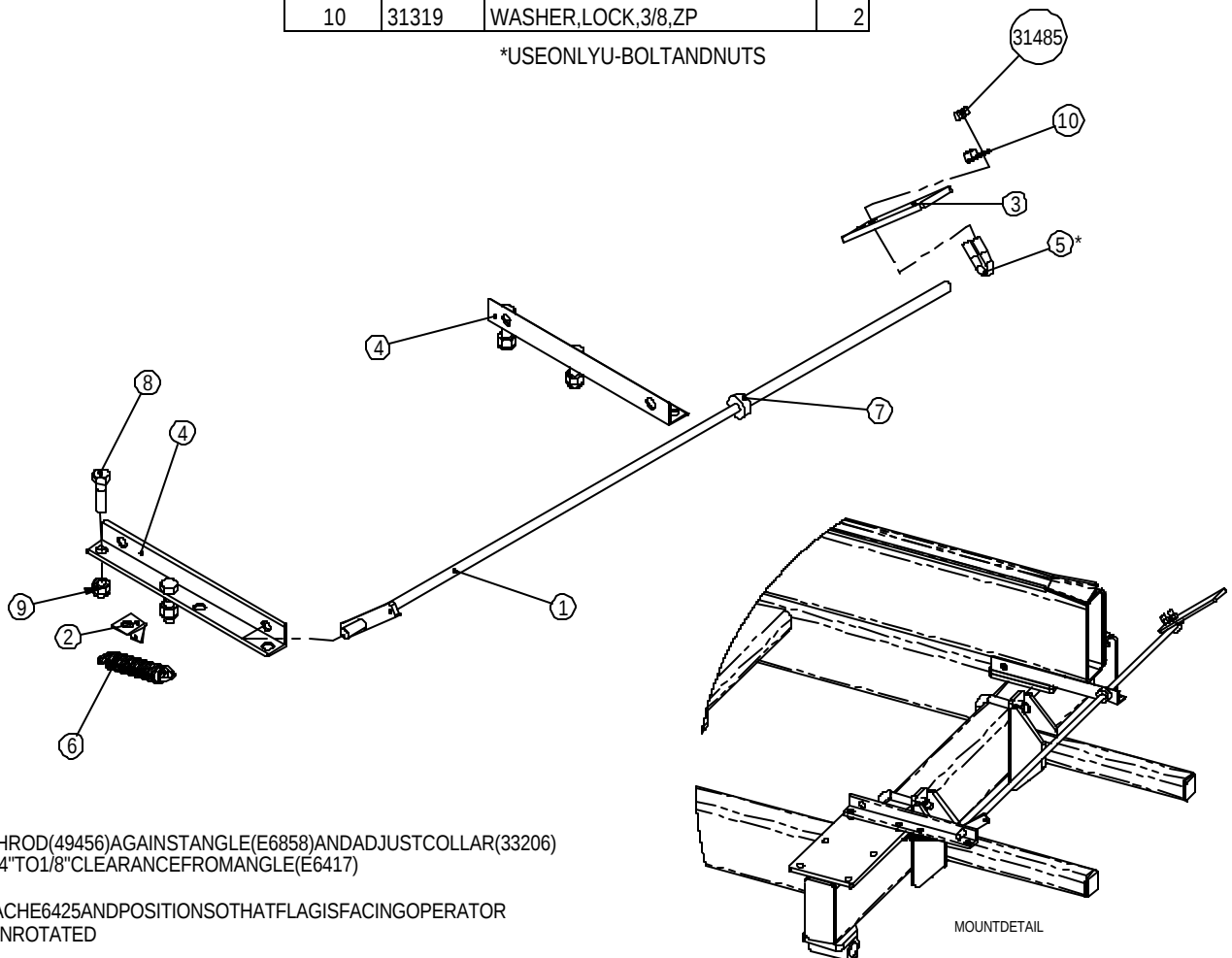


MOUNT DETAIL

5.1.2 Front Indicator Assembly (Part No. 49455)

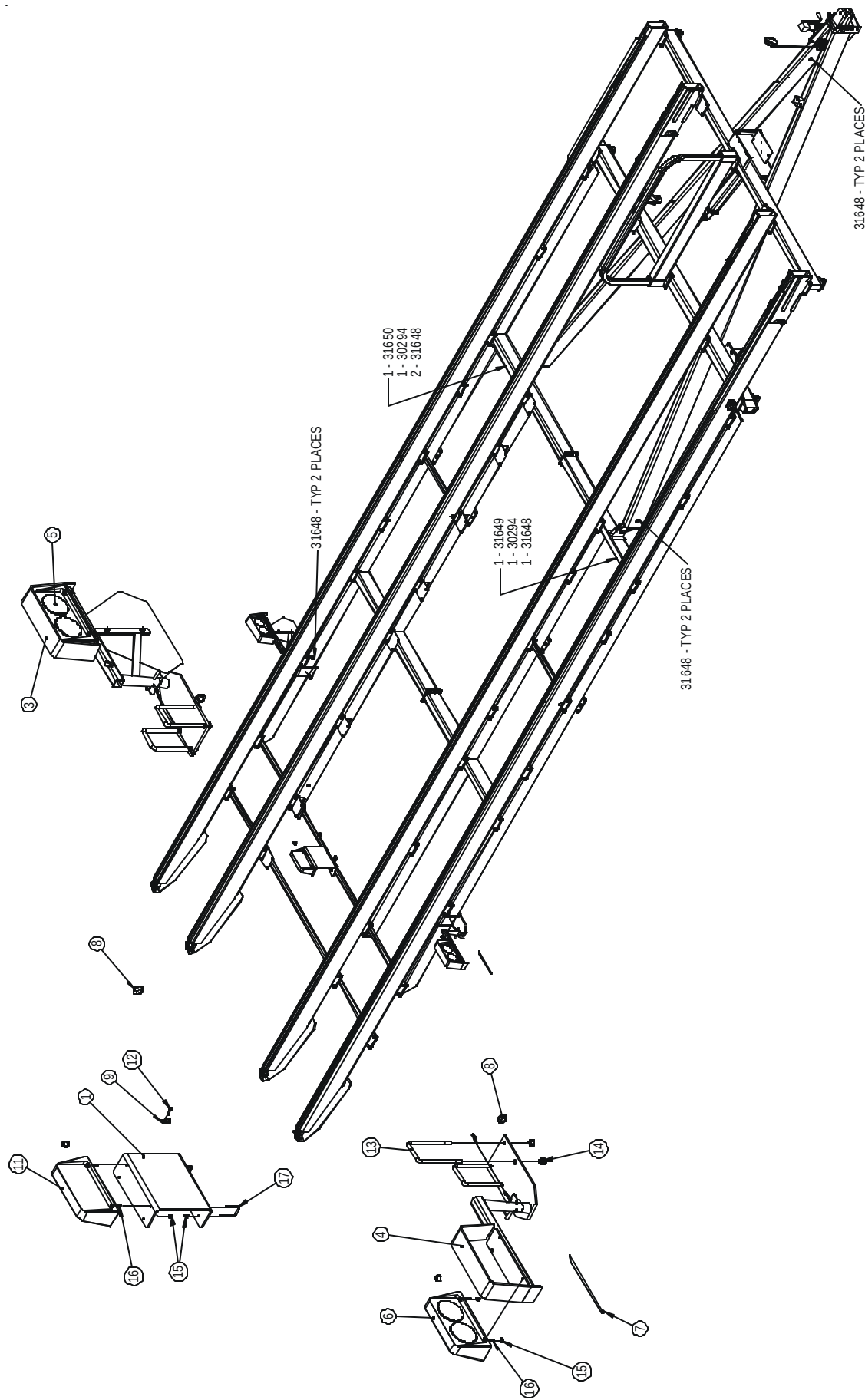
ITEMNO.	PARTNO.	DESCRIPTION	QTY.
1	49456	WLDT,ROD,INDICATOR	1
2	E6423	ANGLE,MOUNT,SPRING	1
3	E6425	PLT,FLAG,INDICATOR	1
4	E6858	ANGLE,MOUNT,ROD	2
5	30456	CLAMP,CABLE,3/8"	1
6	31667	SPRING,,120HD,OD.859,4.75"	1
7	33206	COLLAR,SHAFT,1/2,2 PIECE	1
8	31017	BOLT,HEX,1/2X1-3/4,UNC,GR5,ZP	4
9	31173	NUT,NYLOCK,1/2,UNC,ZP	4
10	31319	WASHER,LOCK,3/8,ZP	2

*USE ONLY U-BOLT AND NUTS



5.2 Clearance Light Option (Part No. BMO14CL-3 (89032))

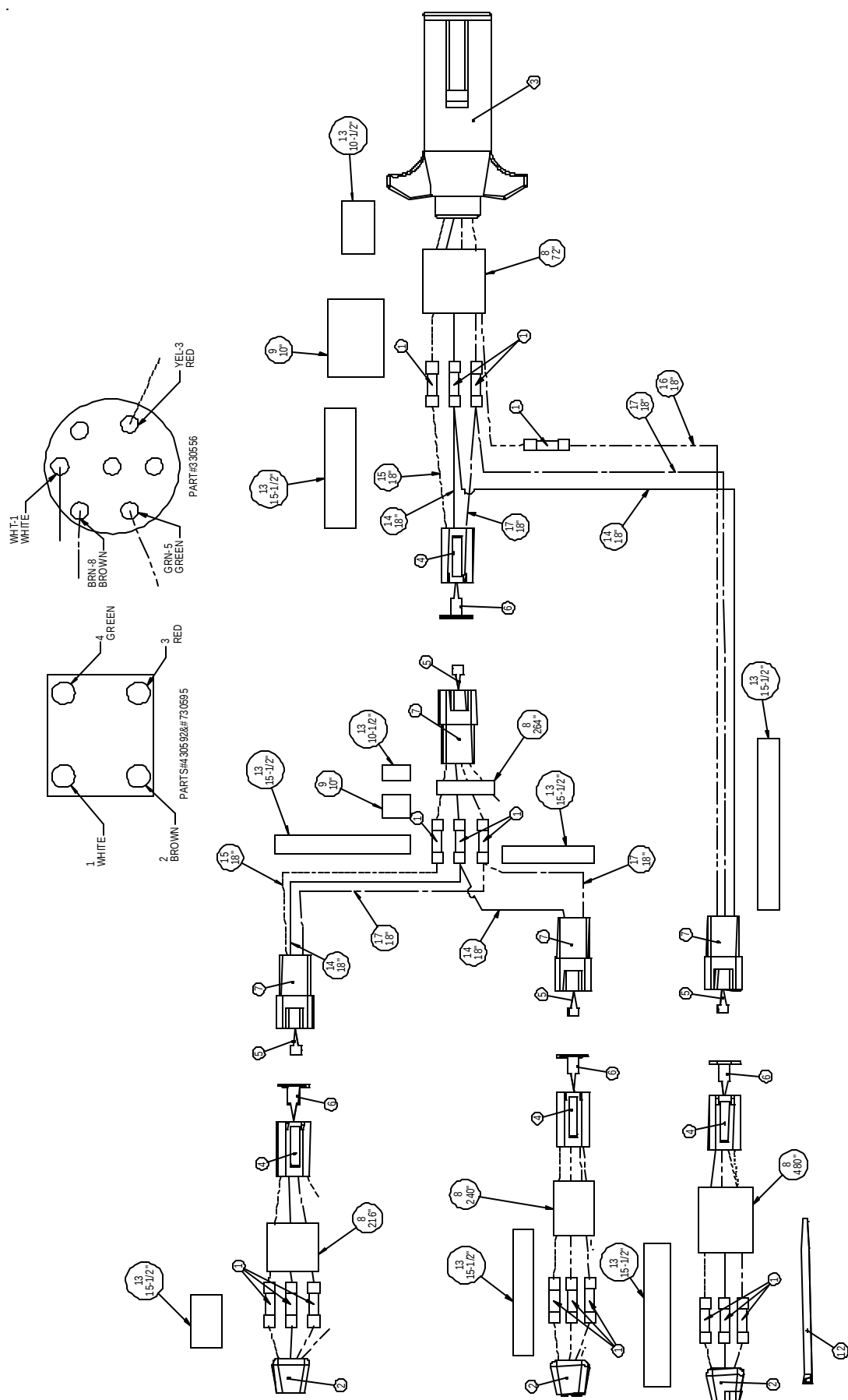
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	E4814	PLT,S,BRACKET,LIGHT,MIDDLE	1
2	40168	ELEC_HARNESS,LIGHTS,14BM	1
3	45282	ASSY, MOUNT,LIGHT,BM,LT	1
4	45283	ASSY, MOUNT,LIGHT,BM,RT	1
5	30526	ELEC,LIGHT,RED&AMBER,LEFT	1
6	30527	ELEC,LIGHT,RED&AMBER,RIGHT	1
7	31613	TIE,CABLE,NYLON,BLACK,11 1/2"	10
8	31648	GROM,RUBBER,1-3/8,3/4,1-1/16	10
9	31649	ELEC,CLAMP,CABLE,1/2	2
10	31650	ELEC,CLAMP,CABLE,3/4	1
11	31664	ELEC_LIGHT,DUAL,RED	1
12	30294	SCREW,TEK,1/4X1	3
13	31061	BOLT,U,SQ,1/2-13,3X7,1-1/4THREAD	4
14	31173	NUT,NYLOCK,1/2,UNC,ZP	8
15	31174	NUT,NYLOCK,1/4,UNC,ZP	16
16	31535	BOLT,HEX,1/4X1-1/2,UNC,GR5,ZP	12
17	31663	BOLT,U,SQ,1/4-20,1-1/2x2-1/4,1	2



5.2.1 Light Harness (Part No. 40168)

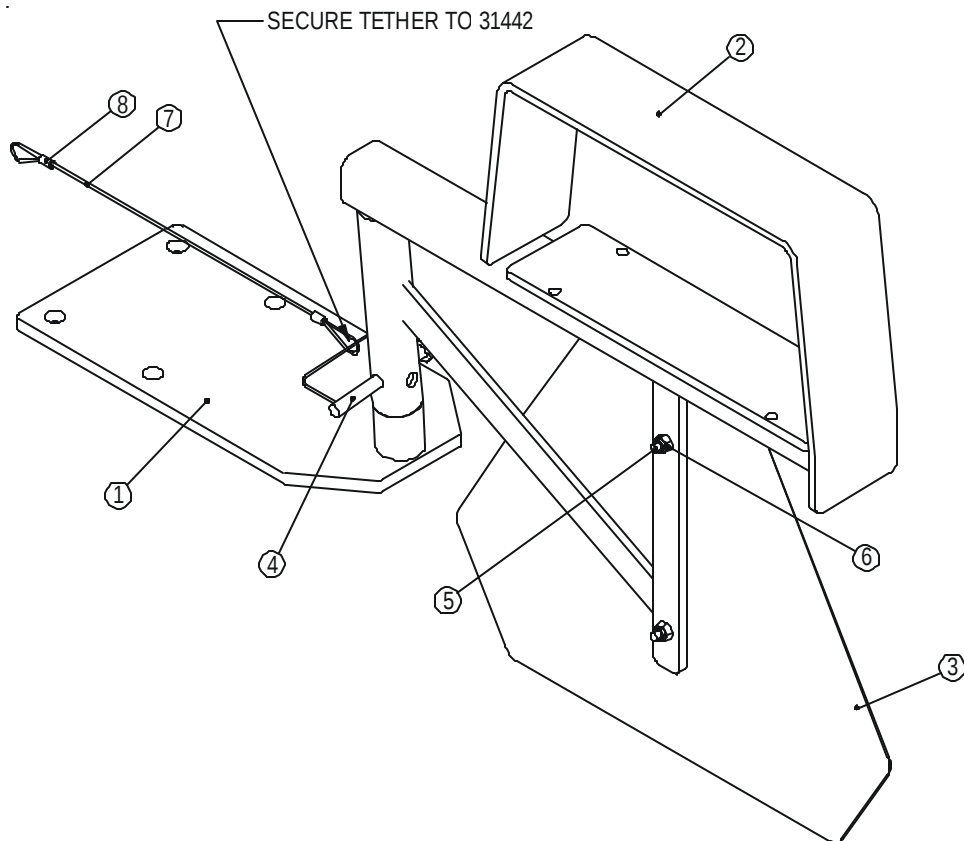
ITEMNO.	PARTNO.	DESCRIPTION	QTY.
1	30408	ELEC,CONN,BUTT,16-14	16
2	30555	ELEC,CONNECTOR,LIGHT,FEMALE	3
3	30556	ELEC,CONN,7WIRE,FEMALE	1
4	30592	ELEC_CONNECTOR,M,4-PIN	4
5	30593	ELEC_CONNECTOR,WEDGE,F,4-PIN	4
6	30594	ELEC_CONNECTOR,WEDGE,M,4-PIN	4
7	30595	ELEC_CONNECTOR,F,4-PIN	4
8	31614(106)	ELEC,CABLE,4-14,ULTRA-FLEX	1
9	31615(1.67)	ELEC,LOOM,3/4,SPLIT,CORRIGATED	1
10	92157	ELEC_CONNECTOR,M,PIN	16
11	92158	ELEC_CONNECTOR,F,SOCKET	16
12	92170	TIE,CABLE,4",BLACK	49
13	92143(11.25)	ELEC,LOOM,1/2,SPLIT,CORRIGATED	1
14	92150(6)	ELEC,WIRE,16GA,STRAND,WHITE	1
15	92151(3)	ELEC,WIRE,16GA,STRAND,RED	1
16	92153(1.5)	ELEC,WIRE,16GA,STRAND,GREEN	1
17	92155(6)	ELEC,WIRE,16GA,STRAND,BROWN	1

NOTE:ALL()LENGTHS
AREINFEET.



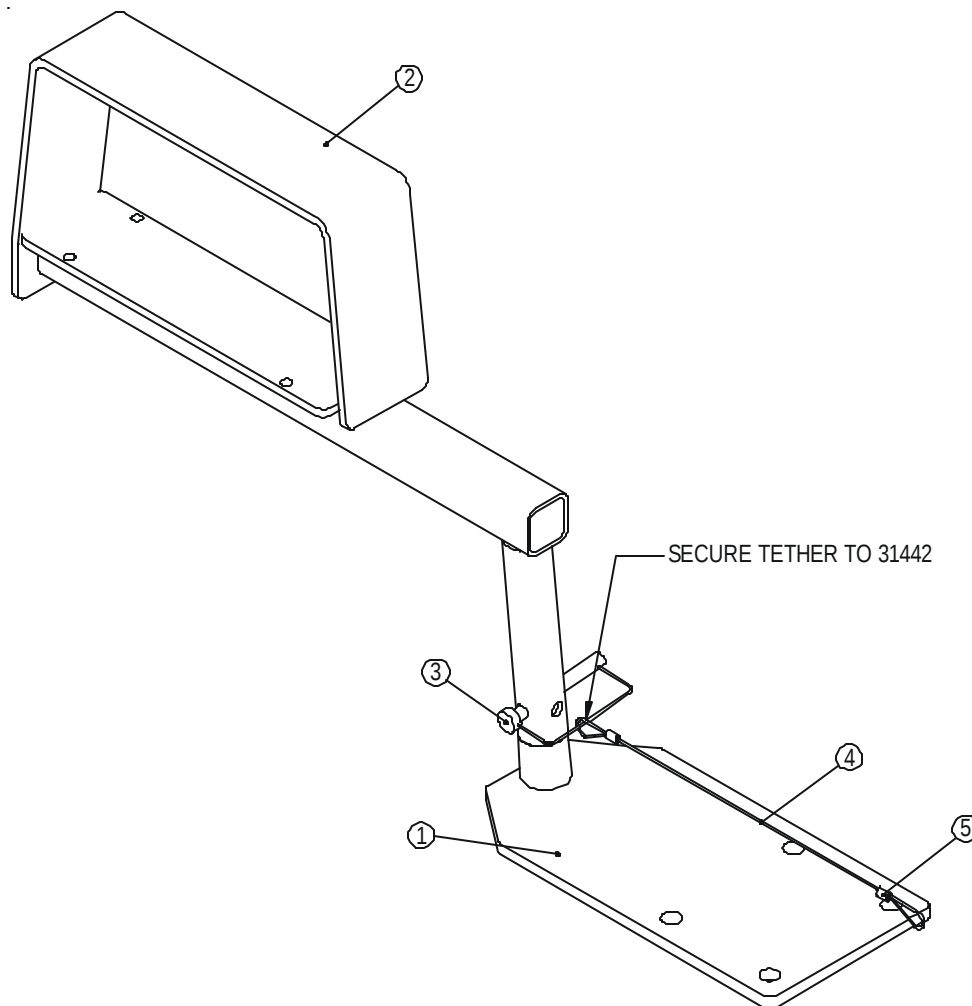
5.2.2 Left Light Mount Assembly (Part No. 45282)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	45278	MOUNT,LIGHT,BM,LEFT	1
2	45280	MOUNT,BRKT,LIGHT,BM,LT	1
3	92028	SIGN,SLOWMOVING,S276.5	1
4	31442	PIN,HITCH,3/8X3	1
5	31033	BOLT,HEX,1/4X3/4,UNC,GR5,ZP	2
6	31174	NUT,NYLOCK,1/4,UNC,ZP	2
7	E5351	TETHER,16"	1
8	30559	CLAMP,ROPE,WIRE,1/16	2



5.2.3 Right Light Mount Assembly (Part No. 45283)

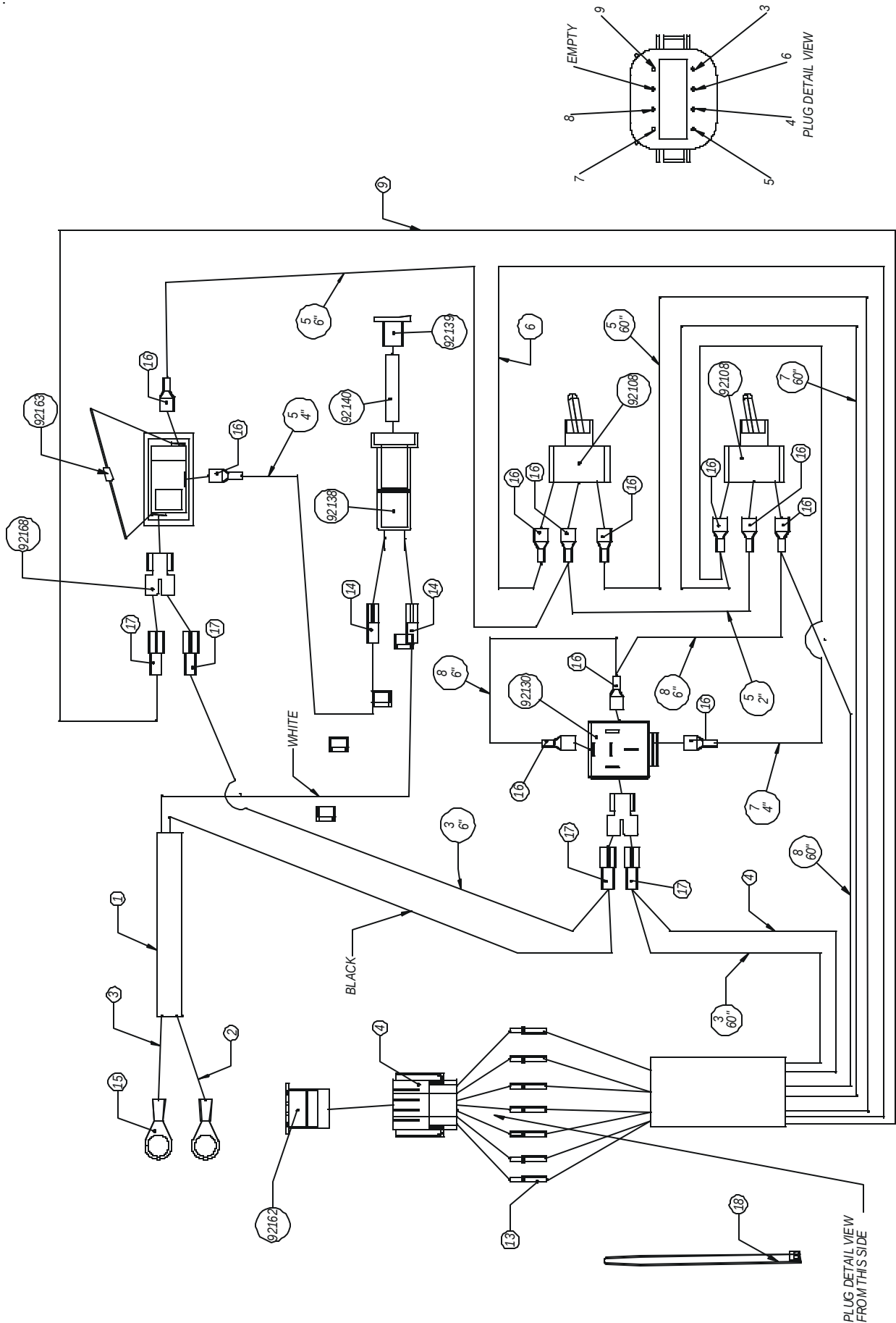
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	45279	MOUNT,LIGHT,BM,RIGHT	1
2	45281	MOUNT,BRKT,LIGHT,BM,RT	1
3	31442	PIN,HITCH,3/8X3	1
4	E5351	TETHER,16"	1
5	30559	CLAMP,ROPE,WIRE,1/16	2



5.3 Wiring for Control Box (Part No. 90138)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	31734(7)	ELEC,LOOM,1/4,SPLIT,CORRUGATED	1
2	37980(8.5)	ELEC,WIRE,14GA,STRAND,BLACK	1
3	37981(8.5)	ELEC,WIRE,14GA,STRAND,WHITE	1
4	92106	ELEC_CONNECTOR,F,7PIN	1
5	92143(5)	ELEC,LOOM,1/2,SPLIT,CORRUGATED	1
6	92149(5.5)	ELEC,WIRE,16GA,STRAND,BLACK	1
7	92150(5)	ELEC,WIRE,16GA,STRAND,WHITE	1
8	92151(6)	ELEC,WIRE,16GA,STRAND,RED	1
9	92152(5)	ELEC,WIRE,16GA,STRAND,ORANGE	1
10	92153(5.33)	ELEC,WIRE,16GA,STRAND,GREEN	1
11	92154(6)	ELEC,WIRE,16GA,STRAND,YELLOW	1
12	92155(5)	ELEC,WIRE,16GA,STRAND,BROWN	1
13	92158	ELEC_CONNECTOR,F,SOCKET	7
14	92165	ELEC_CONNECTOR,QD,188F,16-14,ST,INS	2
15	92166	ELEC_CONNECTOR,RING,3/8,16-14,ST,INS	2
16	92167	ELEC,CONN,QD,250F,16-14,ST,FUL	11
17	92169	ELEC_CONNECTOR,QD,250F,16-14,ST,INS	4
18	92170	TIE,CABLE,4",BLACK	9

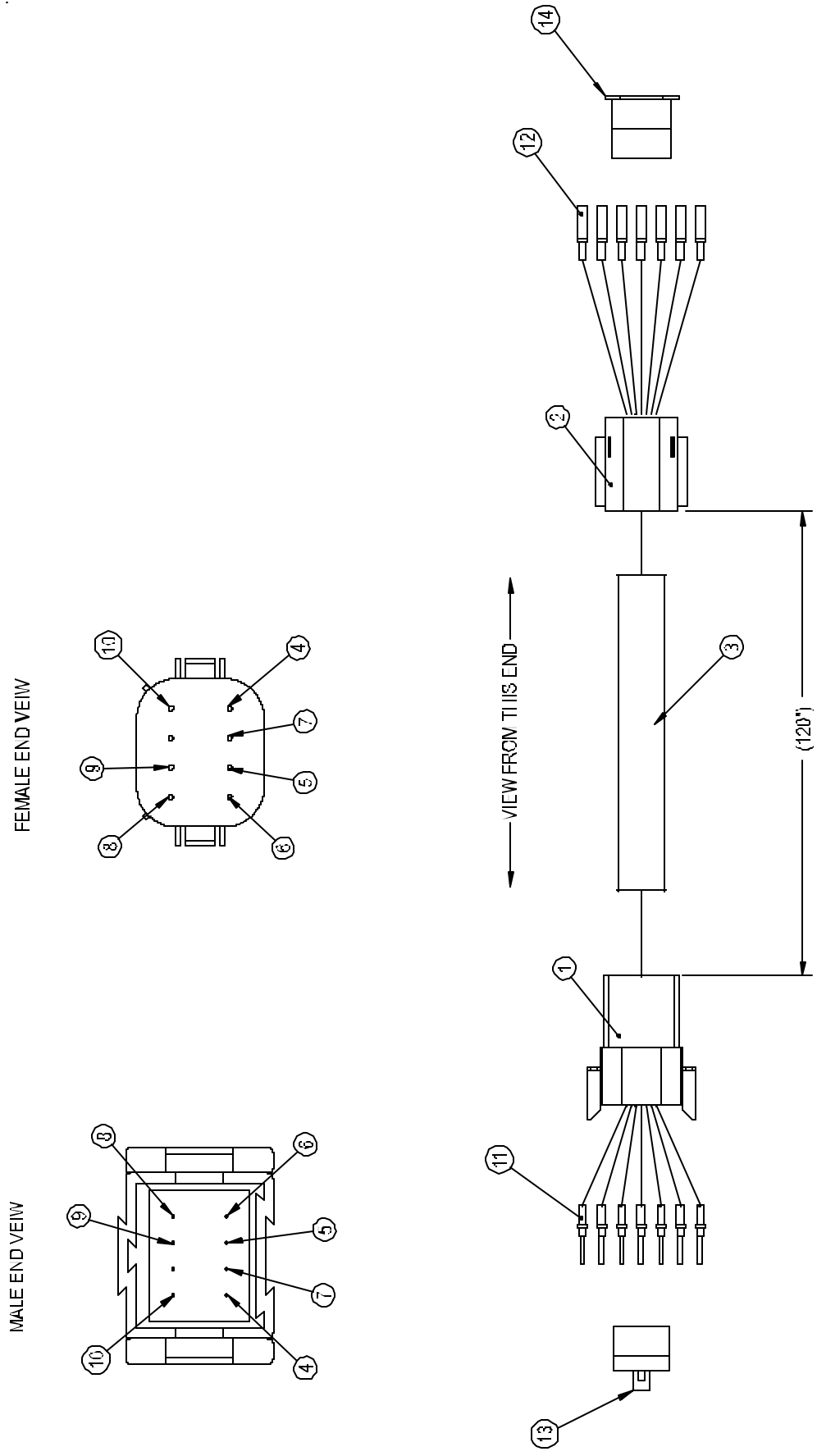
NOTE: ALL NUMBERS IN () DENOTE LENGTH IN FT



5.4 Harness Extension Option (Part No. 89030)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	92'04	ELEC CONNECTOR,M,7-PIN	1
2	92'06	ELEC CONNECTOR,F,7PIN	1
3	92'43(10)	ELEC LOOM,1/2,SPLIT,CORRIGATED	1
4	92'49(10)	ELEC.WIRE,16GA,STRAND,BLACK	1
5	92'50(10)	ELEC.WIRE,16GA,STRAND,WHITE	1
6	92'51(10)	ELEC.WIRE,16GA,STRAND,RED	1
7	92'52(10)	ELEC.WIRE,16GA,STRAND,ORANGE	1
8	92'53(10)	ELEC.WIRE,16GA,STRAND,GREEN	1
9	92'54(10)	ELEC.WIRE,16GA,STRAND,YELLOW	1
10	92'55(10)	ELEC.WIRE,16GA,STRAND,BROWN	1
11	92157	ELEC CONNECTOR,M,PIN	7
12	92'58	ELEC CONNECTOR,F,SOCKET	7
13	92'61	ELEC CONNECTOR,M,WEDGE	1
14	92'62	ELEC CONNECTOR,F,WEDGE	1

DIMENSIONS IN () ARE IN FEET



6.0 Parts Index

PartNum	DESCRIPTION	PAGE	ITEM
30100	SUSP,TIRE,11LX15FI,12 PLY	35	2
30102	SUSP,HUB,COMPLETE,EM5500	24	4
30104	RIM,1.5X8,-1.5,8,OFFWHITE	35	1
30145	HYD,FIT,ELBOW,10MB-8MJ90	50	1
30146	HYD,HOSE,1/2X33,8FJX-8FJ90T,1W	50	2
30147	HYD,HOSE,1/2X52,8FJ90TL,1W	50	3
30148	HYD,HOSE,1/2X72,8FJX-8FJ90T,1W	50	4
30149	HYD,HOSE,1/2X108,8FJX-8MP,1W	50	5
30150	HYD,FIT,TEE,8FJX-8MJ-8MJ	50	6
30152	HYD,FIT,ADAPTER,8MB-8FJX	50	7
30197	PIN,SPRING,3/16X1-1/2	28	8
30200	HYD,FIT,PLUG,8MB	42	1
30204	HYD,FIT,ADAPTER,10MB-8MJ	50	8
30206	HYD,HOLDER,HOSE,1/2	20	6
30207	ZERK,1/4-28,GF641,STRAIGHT	26	11
30208	PLT,SERIAL#	18	9
30209	HYD,FIT,PIONEER,MALE,8FP	42	2
30209	HYD,FIT,PIONEER,MALE,8FP	50	9
30210	HYD,CLAMP,HOSE,1/2	42	3
30211	HYD,FIT,ELBOW,8MB-8MJ90	42	4
30212	HYD,FIT,ELBOW,8MP-8MJ90	42	5
30214	HYD,FIT,TEE,8MB-8MJ-8MJ	50	10
30215	HYD,FIT,ADAPTER,8MB-8MJ	42	6
30216	HYD,FIT,CROSS,8MJ	42	7
30220	SUSP,CAP,DUST	26	1
30221	PIN,COTTER,3/16X1-3/4	26	2
30222	NUT,SLOTTED,1,UNF	26	3
30223	WASHER,FLAT,1IDX2OD,.2385	26	4
30226	DRV,BRG,RACE,INNER,1.781	26	5
30228	DRV,BRG,SEAL,1.98	26	6
30229	SUSP,HUB,EM5500,8BOLT	26	7
30237	NUT,HEX,1,UNS,GR5	22	2
30237	NUT,HEX,1,UNS,GR5	38	2
30238	PIN,COTTER,3/16X1-1/2	22	3
30238	PIN,COTTER,3/16X1-1/2	38	3
30238	PIN,COTTER,3/16X1-1/2	58	3
30239	SETSCREW,SOCKET,3/8X1/2KNUR	22	4
30240	HYD,FIT,PLUG,1/2-14 NPTF,DRY	22	5
30240	HYD,FIT,PLUG,1/2-14 NPTF,DRY	38	4
30242	HYD,CYL,ROD,1-1/2X17,NITRO	38	6
30245	HYD,CYL,3-1/2X13,H6203	38	7
30246	HYD,CYL,3-1/2X16,H6206	22	7
30249	HYD,CYL,TIEROD,5/8X16,H6678	22	8
30251	HYD,CYL,PISTON,3-1/2,H6688	22	9
30251	HYD,CYL,PISTON,3-1/2,H6688	38	8
30252	HYD,CYL,ROD,1-1/2X16	22	11
30253	HYD,CYL,CLEVIS,1-1/4,1 PIN	22	10
30255	HYD,CYL,TIEROD,5/8X13,SPECIAL	38	9
30258	HYD,CYL,CLEVIS,CAP,3-1/2,NPTF	22	12
30258	HYD,CYL,CLEVIS,CAP,3-1/2,NPTF	38	10

30259	HYD,CYL,CAP,ROD,3-1/2X1-1/2	22	13
30259	HYD,CYL,CAP,ROD,3-1/2X1-1/2,8FP	38	11
30261	LOCK,THREAD,NYLOCK	22	14
30263	HYD,CYL,SEALKIT,3-1/2	22	15
30263	HYD,CYL,SEALKIT,3-1/2,639578	38	12
30269	BOLT,U,SQ,5/8-11,6X4-1/2,1-1/2	27	3
30288	RIVET,ST,1/8X.390,.250 HEAD	18	10
30294	SCREW,TEK,1/4X1	56	7
30294	SCREW,TEK,1/4X1	58	4
30294	SCREW,TEK,1/4X1	60	12
30313	HYD,FIT,TEE,8MJ-8MJ-8MJ	50	11
30390	HYD,FIT,ELBOW,6MB-6MJ90	42	8
30408	ELEC,CONN,BUTT,16-14	62	1
30456	CLAMP,CABLE,3/8"	59	5
30526	ELEC,LIGHT,RED&AMBER,LEFT	60	5
30527	ELEC,LIGHT,RED&AMBER,RIGHT	60	6
30555	ELEC,CONNECTOR,LIGHT,FEMALE	62	2
30556	ELEC,CONN,7 WIRE,FEMALE	62	3
30559	CLAMP,ROPE,WIRE,1/16	64	8
30559	CLAMP,ROPE,WIRE,1/16	65	5
30577	DECAL,RED REFL,2X9	18	11
30578	DECAL,AMBER REFL,2X9	18	12
30580	HYD,FIT,ELBOW,8MP-6MJ90	42	9
30581	HYD,FIT,ADAPTER,6FJX-6MB	42	10
30582	HYD,HOSE,3/8X14.5,8FJX-6FJX,1W	42	11
30583	HYD,HOSE,3/8X30,8FJ90TL,1W	42	12
30592	ELEC_CONNECTOR,M,4-PIN	62	4
30593	ELEC_CONNECTOR,WEDGE,F,4-PIN	62	5
30594	ELEC_CONNECTOR,WEDGE,M,4-PIN	62	6
30595	ELEC_CONNECTOR,F,4-PIN	62	7
30651	ROLLER,CHAIN,3ODX1-1/4ID	28	9
30653	HYD,CHECK,PILOT,3X6MB	42	13
30663	NUT,HEX,5/8,UNC,GR5,ZP	38	1
31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	24	5
31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	27	4
31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	28	13
31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	30	8
31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	32	4
31017	BOLT,HEX,1/2X1-3/4,UNC,GR5,ZP	59	8
31023	BOLT,HEX,1/2X3-1/2,UNC,GR5,ZP	24	6
31033	BOLT,HEX,1/4X3/4,UNC,GR5,ZP	54	8
31033	BOLT,HEX,1/4X3/4,UNC,GR5,ZP	64	5
31038	BOLT,HEX,1X7-1/2,UNC,GR5,ZP	20	9
31040	BOLT,HEX,3/4X2-1/2,UNC,GR5,ZP	36	13
31040	BOLT,HEX,3/4X2-1/2,UNC,GR5,ZP	40	13
31041	BOLT,HEX,3/4X3,UNC,GR5,ZP	36	14
31041	BOLT,HEX,3/4X3,UNC,GR5,ZP	40	14
31043	BOLT,HEX,3/8X1,UNC,GR5,ZP	42	29
31051	BOLT,HEX,5/8X1-1/2,UNC,GR5,ZP	54	9
31052	BOLT,HEX,5/8X2,UNC,GR5,ZP	30	9
31053	BOLT,HEX,5/8X1-3/4,UNC,GR5,ZP	20	10

31061	BOLT,U,SQ,1/2-13,3X7,1-1/4 THREAD	60	13
31070	BOLT,HEX,1/2X2,UNC,GR5,ZP	32	5
31159	NUT,ACME,1,5TPI,RH	54	10
31172	NUT,NYLOCK,1,UNC,ZP	20	11
31172	NUT,NYLOCK,1,UNC,ZP	36	20
31172	NUT,NYLOCK,1,UNC,ZP	40	20
31173	NUT,NYLOCK,1/2,UNC,ZP	20	12
31173	NUT,NYLOCK,1/2,UNC,ZP	24	7
31173	NUT,NYLOCK,1/2,UNC,ZP	28	14
31173	NUT,NYLOCK,1/2,UNC,ZP	30	10
31173	NUT,NYLOCK,1/2,UNC,ZP	32	6
31173	NUT,NYLOCK,1/2,UNC,ZP	54	11
31173	NUT,NYLOCK,1/2,UNC,ZP	59	9
31173	NUT,NYLOCK,1/2,UNC,ZP	60	14
31174	NUT,NYLOCK,1/4,UNC,ZP	50	13
31174	NUT,NYLOCK,1/4,UNC,ZP	60	15
31174	NUT,NYLOCK,1/4,UNC,ZP	64	6
31175	NUT,NYLOCK,3/4,UNC,ZP	36	19
31175	NUT,NYLOCK,3/4,UNC,ZP	40	19
31176	NUT,NYLOCK,3/8,UNC,ZP	42	30
31177	NUT,NYLOCK,5/16,UNC,ZP	42	31
31178	NUT,NYLOCK,5/8,UNC,ZP	20	13
31178	NUT,HEX,5/8,UNC,ZP	22	1
31178	NUT,NYLOCK,5/8,UNC,ZP	27	5
31178	NUT,NYLOCK,5/8,UNC,ZP	30	11
31178	NUT,NYLOCK,5/8,UNC,ZP	34	3
31178	NUT,NYLOCK,5/8,UNC,ZP	36	12
31178	NUT,NYLOCK,5/8,UNC,ZP	40	12
31182	PIN,COTTER,1/4X2-1/2	20	14
31182	PIN,COTTER,1/4X2-1/2	36	8
31182	PIN,COTTER,1/4X2-1/2	40	10
31218	WASHER,LOCK,5/8,ZP	54	12
31235	WASHER,FLAT,1,ZP	58	5
31236	WASHER,FLAT,1/2,ZP	20	15
31236	WASHER,FLAT,1/2,ZP	54	13
31237	WASHER,FLAT,1/4,ZP	50	14
31239	WASHER,FLAT,5/16,ZP	42	32
31240	WASHER,FLAT,5/8,ZP	54	14
31241	WASHER,FLAT,7/16,ZP	30	12
31243	WASHER,LOCK,1,ZP	54	15
31246	WASHER,LOCK,3/4,ZP	36	17
31246	WASHER,LOCK,3/4,ZP	40	17
31319	WASHER,LOCK,3/8,ZP	59	10
31336	BOLT,HEX,5/8X3,UNC,GR5,ZP	34	4
31336	BOLT,HEX,5/8X3,UNC,GR5,ZP	36	11
31336	BOLT,HEX,5/8X3,UNC,GR5,ZP	40	11
31442	PIN,HITCH,3/8X3	64	4
31442	PIN,HITCH,3/8X3	65	3
31473	BOLT,HEX,1X5-1/2,UNC,GR5,ZP	36	15
31473	BOLT,HEX,1X5-1/2,UNC,GR5,ZP	40	15
31535	BOLT,HEX,1/4X1-1/2,UNC,GR5,ZP	60	16

31580	BOLT,CARR,1/4X2-1/2,UNC,GR5,ZP	50	15
31593	CLIP,AUTOMOTIVE,1/4,GR5,ZP	54	16
31613	TIE,CABLE,NYLON,BLACK,11 1/2"	60	7
31614	ELEC,CABLE,4-14,ULTRA-FLEX	62	8
31615	ELEC,LOOM,3/4,SPLIT,CORRIGATED	62	9
31648	GROM,RUBBER,1-3/8,3/4,1-1/16	60	8
31649	ELEC,CLAMP,CABLE,1/2	56	8
31649	ELEC,CLAMP,CABLE,1/2	60	9
31650	ELEC,CLAMP,CABLE,3/4	60	10
31663	BOLT,U,SQ,1/4-20,1-1/2X2-1/4,1	60	17
31664	ELEC_LIGHT,DUAL,RED	60	11
31667	SPRING,.120 HD,OD .859,4.75"	59	6
31734	ELEC,LOOM,1/4,SPLIT,CORRUGATED	45	4
31734	ELEC,LOOM,1/4,SPLIT,CORRUGATED	66	1
31797	BOLT,SOCKET,1/2X2-3/4,UNC,GR5	54	17
31933	JACK,7000LBX15,SQ MNT,SIDEWIND	20	7
31976	ELEC,HEAT_SHRINK,DUAL_WALL,1/4	45	1
31978	ELEC,CONN,BUTT,12-10GA,NON_INSULATED	45	2
32035	HYD,FIT,TEE,8MP-8MJ-8MJ	42	14
32071	WASHER,FLAT,1-1/4	54	18
32079	HYD,FIT,ELBOW,6MB-8MJ90	42	15
32250	HYD,CYL,PIN,1	22	6
32250	HYD,CYL,PIN,1	38	5
32301	SUSP,BOLT,WHEEL,9/16X1-1/4TX1-13/16L	26	12
32639	BEARING,THRUST,FRONT	53	13
32647	HYD,MOTOR,SEALKIT,ROTOR,STATOR	53	1
32649	BEARING,HOUSING,REAR,1/2"	53	4
32651	BEARING,THRUST,REAR	53	2
32720	BRG,HOUSING,FRONT	53	3
32721	KIT,ROTOR	53	5
32722	KIT,LINK,DRIVE	53	6
32723	KIT,HOUSING	53	7
32724	KIT,SHAFT	53	8
32725	KIT,MANIFOLD	53	9
32726	PALTE,BALNCE	53	10
32727	COVER,END	53	11
32728	KIT,BOLT	53	12
32981	DECAL,PIMA	18	13
33014	SUSP,TUBE,11L-15	35	4
33206	COLLAR,SHAFT,1/2,2_PIECE	59	7
33207	ROPE,WIRE,5/32",STRAND	56	4
33207	ROPE,WIRE,5/32",STRAND	56	5
33208	SLEEVE,STOP,CABLE,5/32"	56	6
33234	NUT,STOVER,3/4,UNC,GR5,ZP	36	18
33234	NUT,STOVER,3/4,UNC,ZP	40	18
33316	OIL,HYDRAULIC,UTF	36	9
33316	OIL,HYDRAULIC,UTF	40	9
33517	BOLT,HEX,1X9,UNC,GR8,ZP	36	16
33517	BOLT,HEX,1X9,UNC,GR8,ZP	40	16
37980	ELEC,WIRE,14GA,STRAND,BLACK	66	2
37981	ELEC,WIRE,14GA,STRAND,WHITE	66	3

40003	PIN,HITCH	20	1
40006	FRAME,SUB,REAR	28	1
40010	PIN,ARM,SIDE,PIVOT	36	1
40010	PIN,ARM,SIDE,PIVOT	40	1
40062	HITCH,A-FRAME,LEFT	20	2
40063	HITCH,A-FRAME,RIGHT	20	3
40088	BUMPER,BALE	27	1
40105	FRAME,SUB,SIGN,SMV	32	1
40115	TIGHTENER,MOTOR,LEFT	54	1
40116	TIGHTENER,MOTOR,RIGHT	54	2
40118	MOUNT,BUMPER,BALE	27	2
40121	PIN,SPROCKET,REAR	28	3
40140	BRACKET,CYLINDER	30	1
40142	HITCH,TONGUE,DOUBLE	20	4
40143	FRAME,MIDDLE	30	2
40144	RAIL,OUTSIDE,LEFT	28	4
40145	RAIL,INSIDE,LEFT	28	5
40146	RAIL,INSIDE,RIGHT	28	6
40147	RAIL,OUTSIDE,RIGHT	28	7
40168	ELEC_HARNESS,LIGHTS,14BM	60	2
40486	TUBE,DECK,CYL	30	3
40487	HITCH,CROSSMEMBER	20	5
42061	ASSY,TETHERED LOCK PIN	28	2
42103	WLDT,PIN,FORK,PIVOT	36	2
42103	WLDT,PIN,FORK,PIVOT	40	2
42109	WLDT,FORK,INNER	36	3
42109	WLDT,FORK,INNER	40	3
42111	WLDT,ARM,INNER,FF,LT	40	4
42113	WLDT,FORK,INNER,FF,LT	40	5
42116	WLDT,FORK,INNER,FF,RT	36	5
45235	FRAME,SUB,FRONT	30	4
45243	POCKET,END,AXLE	24	2
45245	FRAME,MAIN,RIGHT	32	2
45246	FRAME,MAIN,LEFT	32	3
45278	MOUNT,LIGHT,BM,LEFT	64	1
45279	MOUNT,LIGHT,BM,RIGHT	65	1
45280	MOUNT,BRKT,LIGHT,BM,LT	64	2
45281	MOUNT,BRKT,LIGHT,BM,RT	65	2
45282	ASSY,MOUNT,LIGHT,BM,LT	60	3
45283	ASSY,MOUNT,LIGHT,BM,RT	60	4
49453	ASSY,INDICATOR,REAR	56	1
49454	WLDT,PADDLE,INDICATOR	58	1
49455	ASSY,INDICATOR,FRONT	56	2
49456	WLDT,ROD,INDICATOR	59	1
49457	WLDT,BRACKET,REAR	58	2
49811	AXLE,14BM	24	1
49812	WLDT,FORK,OUTER,LT	40	6
49813	WLDT,FORK,OUTER,RT	36	6
49821	WLDT,ARM,INNER,FF,RT,V	36	4
90103	HYD,CYL,3.6X16,1.5,8FP	20	8
90120	HYD,CYL,3.5X13,1.5NITRO,8FP	36	10

90120	HYD,CYL,3.5X13,1.5NITRO,8FP	40	8
90223	HYD,HOSE,3/8X58,8MJ-8MP,1W	42	16
90243	HYD,HOSE,3/8X44,8FJX-8MJ,1W	42	17
90245	HYD,HOSE,3/8X28,8FJX-8MJ,1W	42	18
90271	HYD,HOSE,3/8X42,8FJX-8FJX,1W	42	19
90313	HYD,HOSE,3/8X18,8FJX-8FJX,1W	42	20
90421	HYD,LINE,STEEL,1/2X.049,8FJ	42	21
90422	HYD,LINE,STEEL,1/2X.049,8FJ	42	22
90423	HYD,LINE,STEEL,1/2X.049,8FJ	42	23
90424	HYD,LINE,STEEL,1/2X.049,8FJ	42	24
90425	HYD,LINE,STEEL,1/2X.049,8FJ	42	25
91048	SUSP,STEM,VALVE,TR801HP	35	3
91111	DRV,BRG,TAPERED,OUTER,1.375	26	8
91131	DRV,BRG,RACE,OUTER,1.375	26	9
91133	DRV,BRG,TAPERED,INNER,1.781	26	10
91508	DRV,CHAIN,ROLLER,2062H,304	28	10
91608	PIN,HAIR,1/8X2-9/16	28	11
92014	CLAMP,CABLE,1/4	56	9
92024	DRV,BUSHING,2232400-24	28	12
92028	SIGN,SLOWMOVING,S279.5	64	3
92061	BUMPER,RUBBER	30	7
92063	DRV,SPROCKET,2062,10TOOTH,1-1/4	54	6
92070	HYD,VALVE,SV4-10-C-8T-12DQ	50	12
92077	ELEC_HARNESS,CONTROL,14BM	42	26
92089	HYD,VALVE,SOLENOID	42	27
92104	ELEC_CONNECTOR,M,7-PIN	45	3
92104	ELEC_CONNECTOR,M,7-PIN	68	1
92106	ELEC_CONNECTOR,F,7-PIN	46	1
92106	ELEC_CONNECTOR,F,7-PIN	66	4
92106	ELEC_CONNECTOR,F,7-PIN	68	2
92107	ELEC_SWITCH,ROCKER,3,NO	46	2
92108	ELEC_SWITCH,TOGGLE,3,NC	46	3
92119	SCREW,THUMB,10X3/4,UNC	46	4
92125	ELEC_BOX,CONTROL,14BM	42	28
92130	ELEC_RELAY,12V,30A	46	5
92138	ELEC HOLDER,BUS,BODY	46	6
92139	ELEC HOLDER,BUS,CAP	46	7
92140	ELEC_FUSE,BUS,12V20A,FAST	46	8
92141	RELIEF_BUSHING,1260	46	9
92143	ELEC,LOOM,1/2,SPLIT,CORRIGATED	45	5
92143	ELEC,LOOM,1/2,SPLIT,CORRIGATED	46	10
92143	ELEC,LOOM,1/2,SPLIT,CORRIGATED	62	13
92143	ELEC,LOOM,1/2,SPLIT,CORRIGATED	66	5
92143	ELEC,LOOM,1/2,SPLIT,CORRIGATED	68	3
92146	PLASTIC,ENCLOSURE	46	11
92149	ELEC,WIRE,16GA,STRAND,BLACK	45	6
92149	ELEC,WIRE,16GA,STRAND,BLACK	46	12
92149	ELEC,WIRE,16GA,STRAND,BLACK	66	6
92149	ELEC,WIRE,16GA,STRAND,BLACK	68	4
92150	ELEC,WIRE,16GA,STRAND,WHITE	45	7
92150	ELEC,WIRE,16GA,STRAND,WHITE	46	13

92150	ELEC,WIRE,16GA,STRAND,WHITE	62	14
92150	ELEC,WIRE,16GA,STRAND,WHITE	66	7
92150	ELEC,WIRE,16GA,STRAND,WHITE	68	5
92151	ELEC,WIRE,16GA,STRAND,RED	45	8
92151	ELEC,WIRE,16GA,STRAND,RED	46	14
92151	ELEC,WIRE,16GA,STRAND,RED	62	15
92151	ELEC,WIRE,16GA,STRAND,RED	66	8
92151	ELEC,WIRE,16GA,STRAND,RED	68	6
92152	ELEC,WIRE,16GA,STRAND,ORANGE	45	9
92152	ELEC,WIRE,16GA,STRAND,ORANGE	46	15
92152	ELEC,WIRE,16GA,STRAND,ORANGE	66	9
92152	ELEC,WIRE,16GA,STRAND,ORANGE	68	7
92153	ELEC,WIRE,16GA,STRAND,GREEN	45	10
92153	ELEC,WIRE,16GA,STRAND,GREEN	46	16
92153	ELEC,WIRE,16GA,STRAND,GREEN	62	16
92153	ELEC,WIRE,16GA,STRAND,GREEN	66	10
92153	ELEC,WIRE,16GA,STRAND,GREEN	68	8
92154	ELEC,WIRE,16GA,STRAND,YELLOW	45	11
92154	ELEC,WIRE,16GA,STRAND,YELLOW	46	17
92154	ELEC,WIRE,16GA,STRAND,YELLOW	66	11
92154	ELEC,WIRE,16GA,STRAND,YELLOW	68	9
92155	ELEC,WIRE,16GA,STRAND,BROWN	45	12
92155	ELEC,WIRE,16GA,STRAND,BROWN	46	18
92155	ELEC,WIRE,16GA,STRAND,BROWN	62	17
92155	ELEC,WIRE,16GA,STRAND,BROWN	66	12
92155	ELEC,WIRE,16GA,STRAND,BROWN	68	10
92156	ELEC,WIRE,2C-16GA,STRAND,RED/BLACK	46	19
92157	ELEC_CONNECTOR,M,PIN	45	13
92157	ELEC_CONNECTOR,M,PIN	62	10
92157	ELEC_CONNECTOR,M,PIN	68	11
92158	ELEC_CONNECTOR,F,SOCKET	46	20
92158	ELEC_CONNECTOR,F,SOCKET	62	11
92158	ELEC_CONNECTOR,F,SOCKET	66	13
92158	ELEC_CONNECTOR,F,SOCKET	68	12
92161	ELEC_CONNECTOR,M,WEDGE	45	14
92161	ELEC_CONNECTOR,M,WEDGE	68	13
92162	ELEC_CONNECTOR,F,WEDGE	46	21
92162	ELEC_CONNECTOR,F,WEDGE	68	14
92163	ELEC,DIODE,12V,20A	46	22
92164	SCREW,TAP,#4X1/4,ZP	46	23
92165	ELEC_CONNECTOR,QD,188F,16-14,ST,INS	46	24
92165	ELEC_CONNECTOR,QD,188F,16-14,ST,INS	66	14
92166	ELEC_CONNECTOR,RING,3/8,16-14,ST,INS	45	15
92166	ELEC_CONNECTOR,RING,3/8,16-14,ST,INS	46	25
92166	ELEC_CONNECTOR,RING,3/8,16-14,ST,INS	66	15
92167	ELEC,CONN,QD,250F,16-14-ST,FUL	45	17
92167	ELEC,CONN,QD,250F,16-14-ST,FUL	46	26
92167	ELEC,CONN,QD,250F,16-14-ST,FUL	66	16
92168	ELEC_CONNECTOR,ADP,1/4,F/M/M,ST,NON	46	27
92169	ELEC_CONNECTOR,QD,250F,16-14,ST,INS	45	16
92169	ELEC_CONNECTOR,QD,250F,16-14,ST,INS	46	28

92169	ELEC_CONNECTOR,QD,250F,16-14,ST,INS	66	17
92170	TIE,CABLE,4",BLACK	45	18
92170	TIE,CABLE,4",BLACK	46	29
92170	TIE,CABLE,4",BLACK	62	12
92170	TIE,CABLE,4",BLACK	66	18
92184	HYD,MOTOR,45,2000PSI	54	7
92220	FACEPLATE,CONTROLBOX,14	46	30
92583	DECAL,HIGHLINE,3-1/2	18	14
92584	DECAL,HIGHLINE,1400	18	15
92586	DECAL,PINSTRIPPING,7	18	16
E4740	PLT,S,BRACKET,SOLENOID,HYD	30	5
E4751	PLT,S,BRACKET,BOX,CONTROL	46	31
E4779	TUBE,DIVIDER,BALE	30	6
E4802	HOUSING,GUARD,RIGHT	54	3
E4803	PLT,S,FACE,GUARD	54	4
E4810	HOUSING,GUARD,LEFT	54	5
E4814	PLT,S,BRACKET,LIGHT,MIDDLE	60	1
E5351	TETHER,16"	64	7
E5351	TETHER,16"	65	4
E5652	LUG,EXTENSION	34	1
E5653	CHAIN,LINK,1/2,GR40,5 LINKS	34	2
E5805	DECAL,CONTROL,BOX,FACEPLT,14BM	46	32
E6328	REFLECTIVE,TAPE,SELECTOR	56	3
E6423	ANGLE,MOUNT,SPRING	59	2
E6425	PLT,FLAG,INDICATOR	59	3
E6858	ANGLE,MOUNT,ROD	59	4
E7552	DECAL,WARNING,OWNERS MANUAL	18	1
E7553	DECAL,WARNING,STOP ENGINE/SERVICE	18	2
E7565	SUSP,SPINDLE,EM5500,10-1/2,9/16H	24	3
E7567	DECAL,WARNING,CHAIN TENSION,NT	18	3
E7568	DECAL,CAUTION,CHAIN ENTANGLEMENT	18	4
E7569	DECAL,CAUTION,TIRE PRESSURE	18	5
E7570	DECAL,WARNING,TOW SPEED	18	6
E7571	DECAL,CAUTION,JACK,7000 LBS	18	7
E7573	DECAL,WARNING,TRANSPORT PINS.	18	8
E7731	WLDT,ARM,INNER,RT	36	7
E7731	PLT,S,TUBE,CLAMP	40	7

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7.0 Specifications

<i>Weight</i>	<i>Approximately 9,700 lbs (4,400 kg)</i>
<i>Hitch Weight (empty)</i>	<i>1740 lbs (789 kg)</i>
<i>Total Length</i>	<i>43'5"</i>
<i>Bed Length</i>	<i>37''</i>
<i>Total Width</i>	<i>16'9''</i>
<i>Bed Width</i>	<i>11'2"</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>Fourteen - 2,200 lb Bales to Max. 30,800 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 Farm Highway Service</i>
<i>Undercarriage</i>	<i>Two – 4 wheel oscillating tandems</i>
<i>Horsepower Required</i>	<i>100 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.