



70-SERIES

7000 LIFT ASSIST AND PLANTER REACHES

(TO BE USED WITH MACHINES FROM JULY 2014 TO PRESENT)

**OPERATOR MANUAL
AND
PARTS BOOK**

THIS MANUAL TO ACCOMPANY MACHINE



PART NO. 70-MP-01
PRINTING DATE: FEB 2016

WARRANTY POLICY

KELLEY MANUFACTURING COMPANY (KMC) warrants that all goods sold to the original purchaser of any KMC product shall be free of any defects in material and workmanship if used under normal operating conditions. The warranty period begins on the date of purchase by the retail customer and ends twelve (12) months thereafter. KMC's sole responsibility is to repair and/or replace the defective part or parts at no cost to purchaser. This remedy is the **SOLE AND EXCLUSIVE REMEDY** of purchaser.

The purchaser must fill out and return the warranty registration form found in the front of the operator's manual. Failure to return the warranty registration form within 30 days shall result in the goods being sold "AS IS", and all warranties shall be excluded.

This warranty shall not apply to those items that are by nature worn in normal service, including but not limited to belts, springs, teeth, chains, etc. Items such as tires, tubes, and gearboxes and all other items warranted by the original manufacturer are warranted only to the extent of their individual manufacturer warranty, and KMC is not warranting any of said items. All warranty claims must be made through a KMC licensed dealer, and a warranty form request must be submitted to KMC within 30 days of failure or the warranty provision shall be unenforceable against KMC.

No agent or person has authority to change or add to this warranty as written.

THE ABOVE IS THE ONLY WARRANTY MADE BY KMC AND IS MADE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. KMC MAKES NO WARRANTY OF MERCHANTABILITY AS TO ANY GOODS MANUFACTURED BY KMC AND FURTHER, KMC DOES NOT WARRANT ANY SUCH GOODS AS SUITABLE FOR ANY PARTICULAR PURPOSE TO THE RETAIL CUSTOMER. THE SUITABILITY OF GOODS FOR ANY PURPOSE PARTICULAR TO THE CUSTOMER IS FOR THE CUSTOMER, IN HIS SOLE JUDGEMENT, TO DETERMINE. KMC FURTHER MAKES NO WARRANTIES WITH RESPECT TO ITS MANUFACTURED GOODS THAT WOULD NORMALLY BE DISCLOSED BY AN EXAMINATION. THIS IS THE FULL AND FINAL EXPRESSION OF ALL WARRANTY LIABILITY OF KMC. NO OTHER WARRANTY, EITHER EXPRESSED OR IMPLIED, SHALL BE ENFORCEABLE AGAINST KMC.

Kelley Manufacturing Co.

80 Vernon Drive / Zip 31794

P.O. Drawer 1467 / Zip 31793

Tifton GA

7000 SERIES LIFT ASSIST AND PLANTER REACH OWNERS MANUAL

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FORWARD

INTRODUCTION:

The **7000 Series Lift Assist Beams** are heavy-duty beams that are used to tie a planter toolbar to a Rip Strip or Ripper Bedder Toolbar. This allows one pass planting saving time and money. Lift Assist beams come standard with heavy duty tires that support the planter toolbar weight and have an optional weight transfer kit that can be used to assist the three point tractor lift raise the main tillage toolbar.

The **7000 Series Planter Reach Beams** are heavy duty beams that tie the planter toolbar to the main tillage toolbar. These beams are used on smaller toolbars with larger tractors that can lift the entire weight of the main toolbar and the planter toolbar.

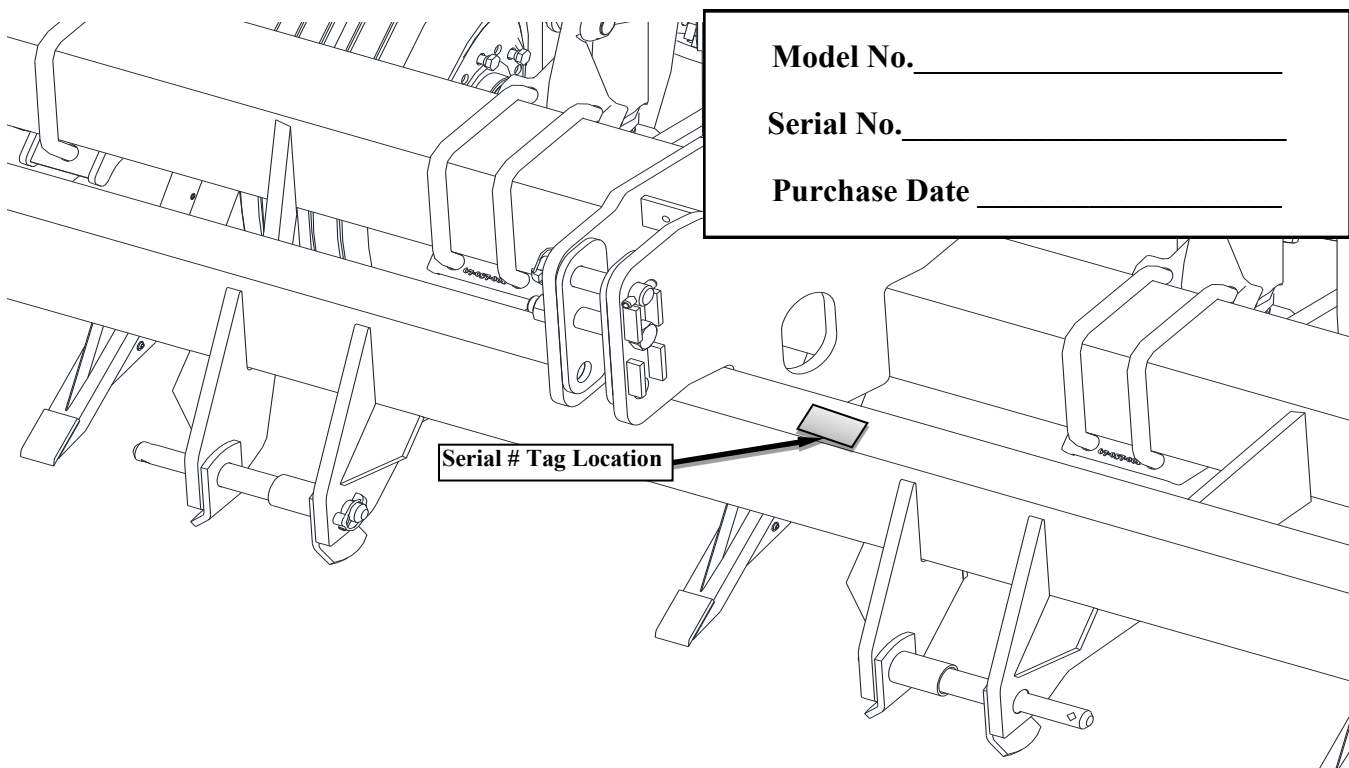
TO THE PURCHASER

These **KMC 7000 Series Lift Assist Beams and Planter Reaches** have been carefully designed and manufactured to give years of dependable service. In order to operate it efficiently and maintain it properly, please read the instructions within this manual thoroughly.

Some components of this machine are labeled left or right. The notations are determined by standing behind the implement and facing the direction of forward travel.

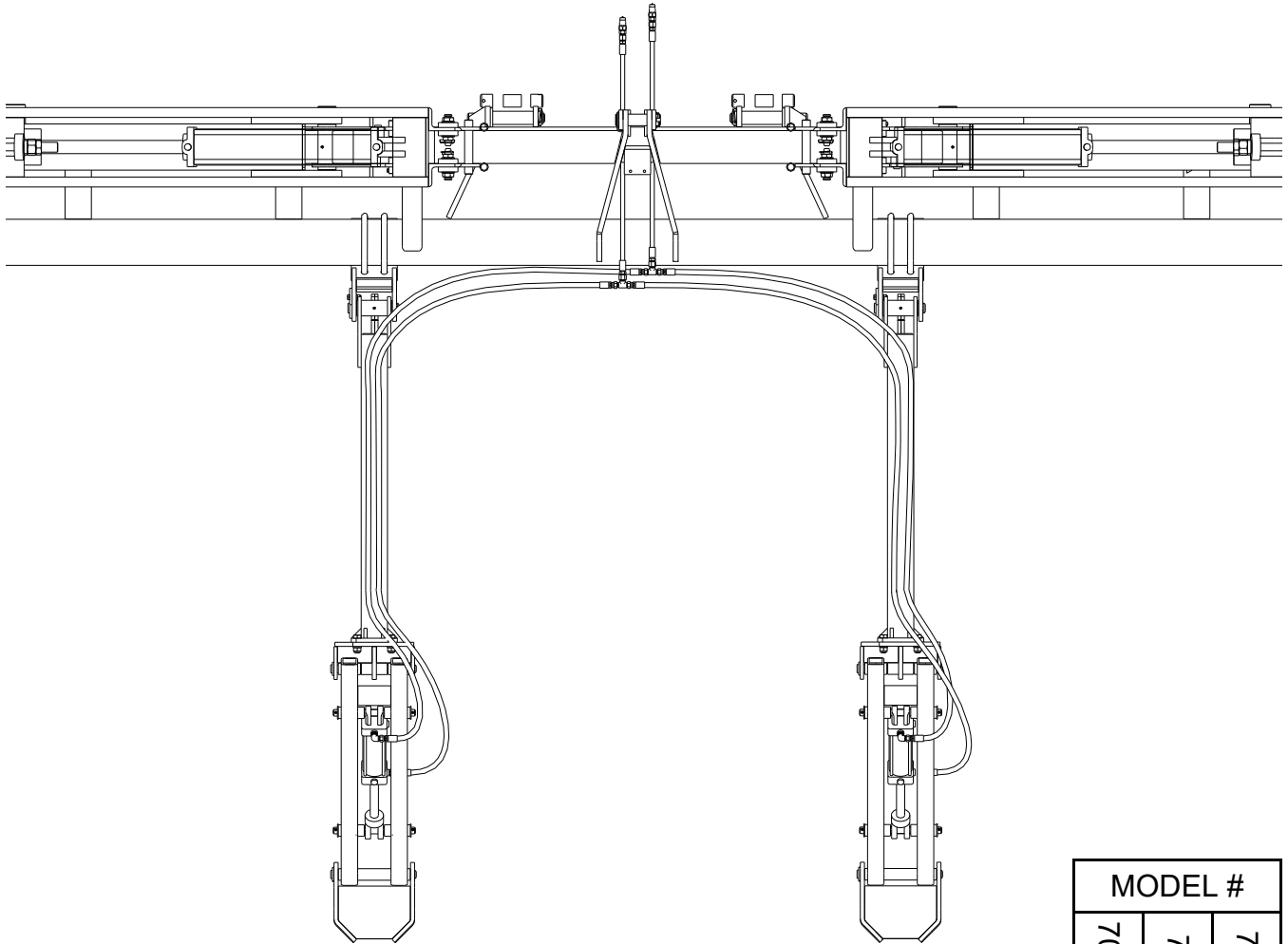
After reading this Operator's Manual, Please keep it for reference each season.

To insure procurement of the proper repair parts, please record your machine's Serial Number and Purchase Date as shown below:



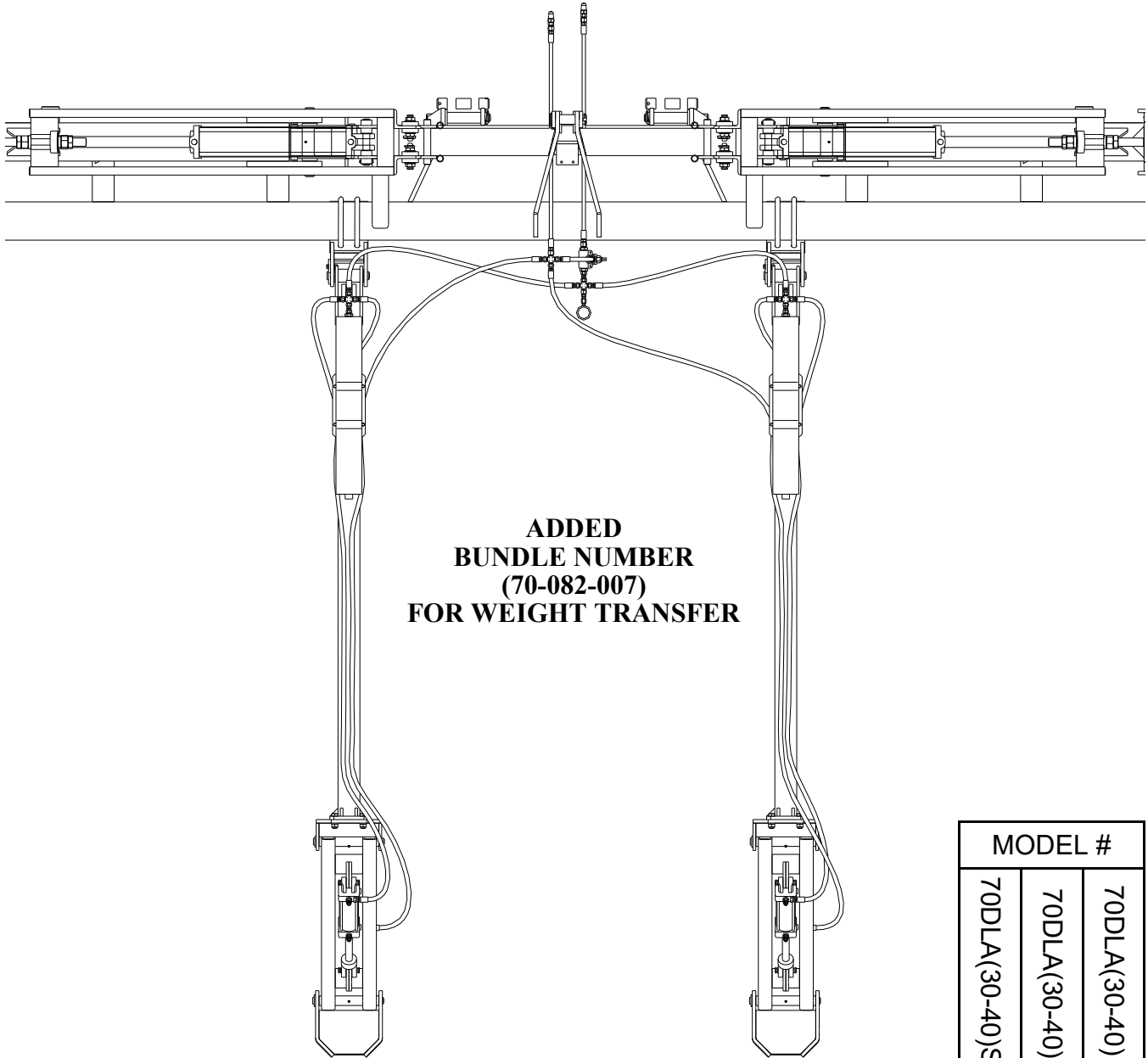
MODELS COVERED IN THIS OWNER'S MANUAL:

STANDARD DUAL LIFT ASSIST LAYOUT



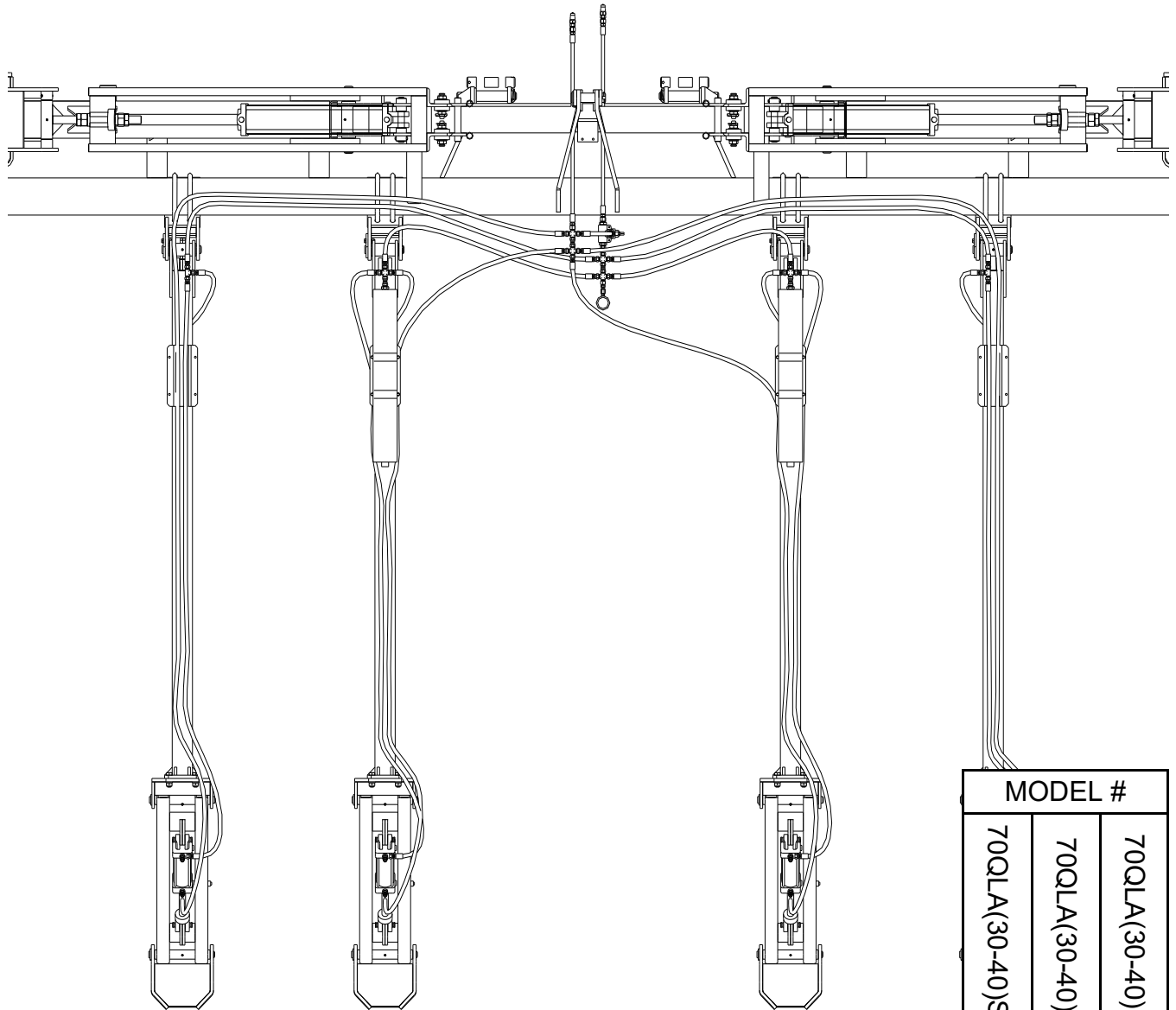
PART NO.	DESCRIPTION	MODEL #		
		70DLA(30-40)SHRT	70DLA(30-40)MID	70DLA(30-40)LNG
70-082-004	BEAM ASSEMBLY, 95"	2	-	-
70-082-043	BEAM ASSEMBLY, 130"	-	2	-
70-082-042	BEAM ASSEMBLY, 160"	-	-	2
70-082-010	HOSE BUNDLE, DLA 95" BEAMS	1	-	-
70-082-011	HOSE BUNDLE, DLA 130" BEAMS	-	1	-
70-082-012	HOSE BUNDLE, DLA 160" BEAMS	-	-	1
70-082-002	CASTER LINKAGE ASSEMBLY	2	2	2
70-082-003	MOUNTING BRACKET ASSEMBLY	2	2	2
16-082-099	FORK, 2000 LIFT ASIST	2	2	2

OPTIONAL DUAL LIFT ASSIST WITH WEIGHT TRANSFER KIT LAYOUT



PART NO.	DESCRIPTION	MODEL #		
		70DLA(30-40)SHRT	70DLA(30-40)MID	70DLA(30-40)LNG
70-082-004	BEAM ASSEMBLY, 95"	2	-	-
70-082-043	BEAM ASSEMBLY, 130"	-	2	-
70-082-042	BEAM ASSEMBLY, 160"	-	-	2
70-082-010	HOSE BUNDLE, DLA 95" BEAMS	1	-	-
70-082-011	HOSE BUNDLE, DLA 130" BEAMS	-	1	-
70-082-012	HOSE BUNDLE, DLA 160" BEAMS	-	-	1
70-082-002	CASTER LINKAGE ASSEMBLY	2	2	2
70-082-003	MOUNTING BRACKET ASSEMBLY	2	2	2
16-082-099	FORK, 2000 LIFT ASIST	2	2	2

STANDARD QUAD LIFT ASSIST WITH WEIGHT TRANSFER KIT LAYOUT



PART NO.	DESCRIPTION	MODEL #		
		70QLA(30-40)SHRT	70QLA(30-40)MID	70QLA(30-40)LNG
70-082-004	BEAM ASSEMBLY, 95"	2	-	-
70-082-043	BEAM ASSEMBLY, 130"	2	2	-
70-082-042	BEAM ASSEMBLY, 160"	-	2	4
70-082-006	EXTENSION ASSY, 25"	-	-	2
70-082-045	HOSE BUNDLE, QLA SHORT CONFIG.	1	-	-
70-082-046	HOSE BUNDLE, QLA MID CONFIG.	-	1	-
70-082-047	HOSE BUNDLE, QLA LONG CONFIG.	-	-	1
70-082-002	CASTER LINKAGE ASSEMBLY	4	4	4
70-082-003	MOUNTING BRACKET ASSEMBLY	4	4	4
16-082-099	FORK, 2000 LIFT ASIST	4	4	4
70-082-008	WEIGHT TRANSFER, QUAD	1	1	1

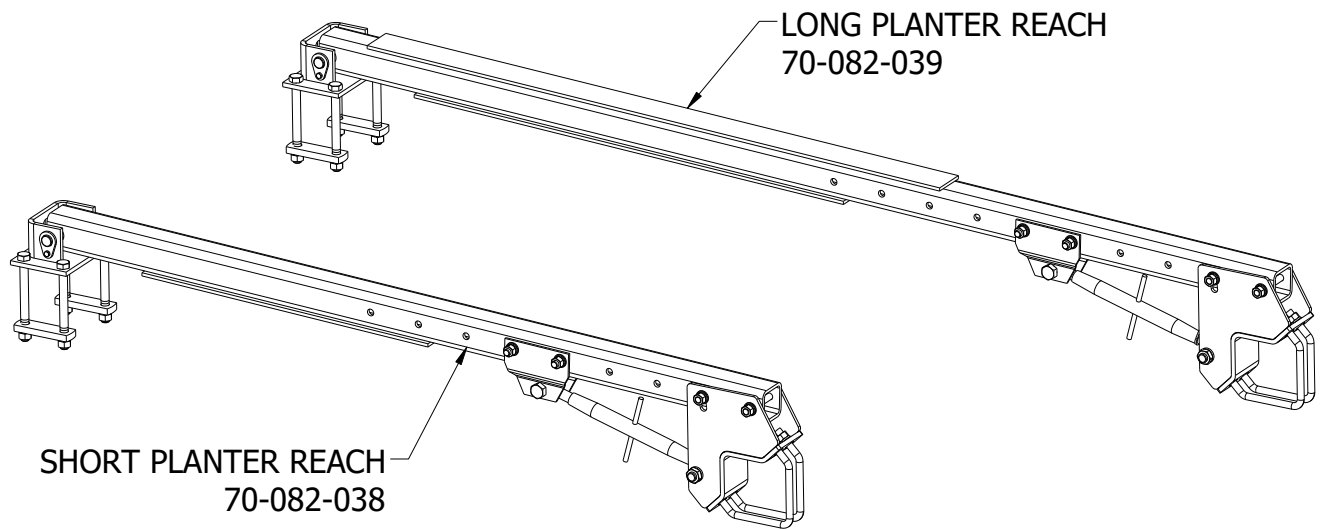
RETRO FIT KITS FOR DUAL AND QUAD LIFT ASSIST

Retro Fit Kits provide necessary bundles to add weight transfer to 7000 Series Planter Lift Assist Wheels when originally ordered without weight transfer.

Quad Planter Lift Assist Models are for the older model 7000 Series since Weight Transfer is now standard.

RETRO FIT KITS	MODELS
Dual Planter Lift Assist with 95" Beam (30" to 40" Rows)	70DLAHW(SHRT)RF
Dual Planter Lift Assist with 130" Beam (30" to 40" Rows)	70DLAHW(MID)RF
Dual Planter Lift Assist with 160" Beam (30" to 40" Rows)	70DLAHW(LNG)RF
Quad Planter Lift Assist with 95" Beam (30" to 40" Rows)	70QLAHW(95)RF
Quad Planter Lift Assist with 130" Beam (30" to 40" Rows)	70QLAHW(125)RF
Quad Planter Lift Assist with 160" Beam (30" to 40" Rows)	70QLAHW(150)RF

PLANTER REACHES



PRE-OPERATIONAL CHECKLIST:

- ☐ All safety and operating procedures reviewed
- ☐ All hardware checked for tightness
- ☐ Field adjustment procedures reviewed
- ☐ Lubrication information reviewed
- ☐ Machine fully lubricated
- ☐ Hitch connection to implement information reviewed
- ☐ Warranty information reviewed

NOTES:

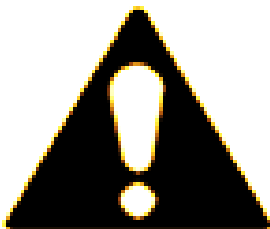
SAFETY

SYMBOL INFORMATION



This safety alert symbol is used throughout this manual to identify safety messages. When you see this symbol, read the message which follows as it will advise you of possible injury.

REMEMBER



THINK SAFETY!



DANGER

(RED)

This symbol indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury.



WARNING

(ORANGE)

This symbol indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury. It may also be used to alert against unsafe practices.



CAUTION

(YELLOW)

This symbol indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

! IMPORTANT !

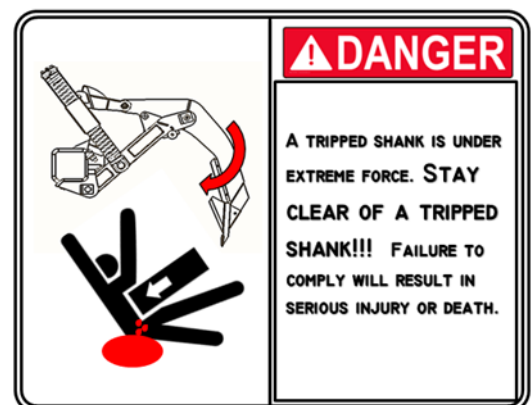
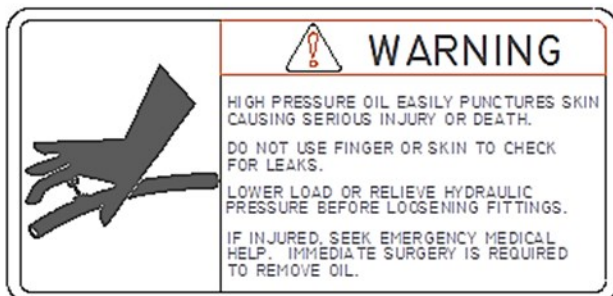
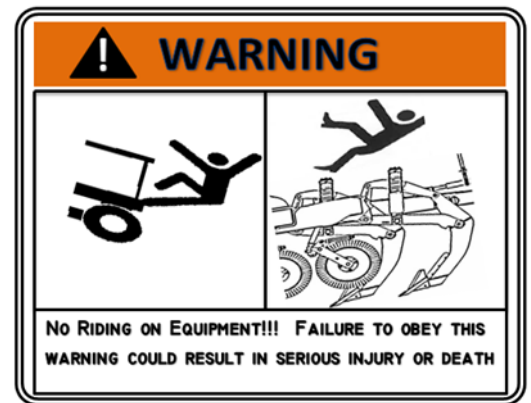
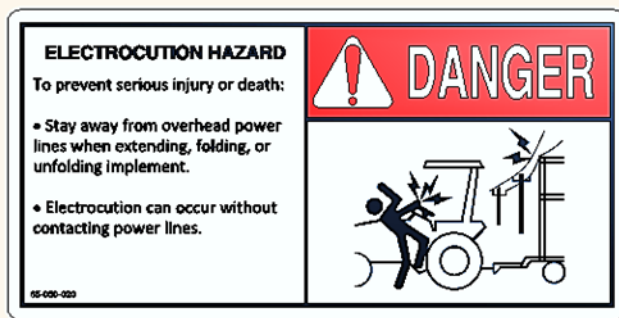
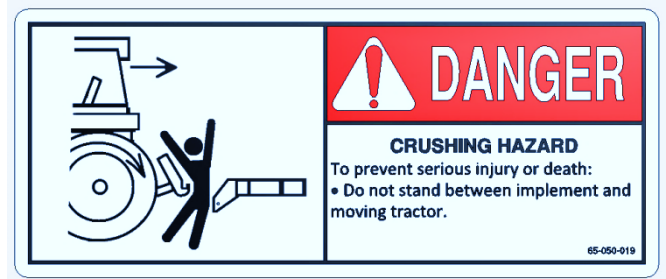
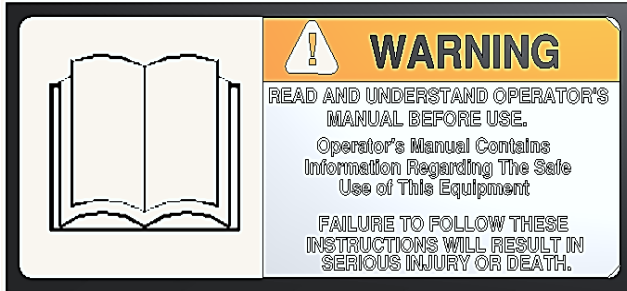
**(GREEN
OR
BLACK)**

Is used for instruction on operating, adjusting, or servicing a machine.

BEING SAFETY CONSCIOUS IS GOOD BUSINESS!

SAFETY DECALS

The Safety decals that follow are associated with the implement covered in this owner's manual. They should be reviewed and associated with where they are applicable on the implement being covered.



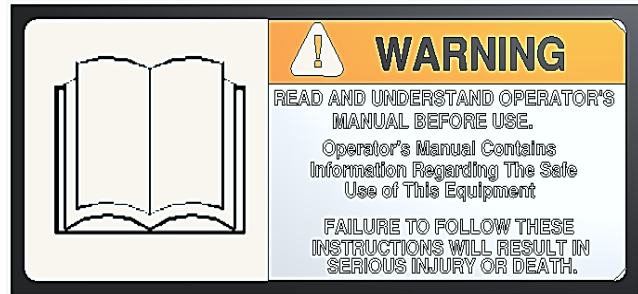
RETAIL CUSTOMERS RESPONSIBILITY UNDER THE KMC WARRANTY:

The retail customer's responsibilities are:

1. To read the Operator's Manual and operate the **Lift Assist** in accordance with the instructions given in this manual.
2. To inspect the **Lift Assist** daily, lubricate as specified and repair or replace parts as needed, especially when continued use would cause damage or excessive wear to other parts.
3. To maintain and keep in place all safety shields and devices.
4. When warranty service is necessary, it is the customer's responsibility to deliver the machine to the KMC dealer from which it was purchased. Warranty repairs should be submitted to the dealer within **thirty (30)** days of failure.
5. Dealer travel to the machine or hauling the machine to his shop for the purpose of performing warranty service is not allowed under KMC warranty. It is a cost to be paid for by the retail customer. Any arrangement whereby the dealer agrees to absorb all or part of this cost is strictly between the dealer and the retail customer.

SAFETY PROCEDURES:

Safety and performance are the primary objectives of the designers of KMC equipment. Safety features have been incorporated into this machine where possible and warnings given in other areas. For your safety, **PLEASE** read and observe the following safety procedures.

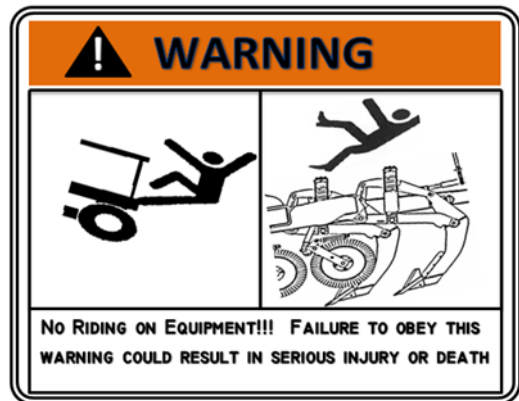


1. All persons operating this piece of equipment should **READ** the Owner's Manual.



2. Do not permit anyone to ride on the machine at any time.

3. Before starting or operating the machine, make a walk-around inspection and check for obvious defects such as loose mounting bolts and damaged components. Correct any deficiencies before starting. **(The equipment must be properly maintained and guarded and must be suitable to performing its task.)**



4. Keep all persons a safe distance away from the rear and sides of the machines while it is in operation.

5. **Do not allow children to operate the Lift Assist. Only experienced tractor operators should operate the tractor when using the Lift Assist.**



6. Stay clear of hydraulic lines, as they maybe under extreme pressure or heat.
7. Drive safely during transport; excessive speed while turning or on rough ground could cause damage to the Lift Assist and/or cause the tractor to tip over. **(Maximum speed of implement should never exceed 20 mph on highway and 10 mph off-highway.)**
8. Make sure hitch components are attached securely before operating or transporting.
9. Use flashing warning lights when on highways, except where prohibited by law.
10. Disengage PTO, apply parking brake, and stop tractor engine before dismounting tractor. Allow mechanisms to stop completely before cleaning, working, or adjusting on machine. Even when the tractor is stationary, you should make sure it is properly secured and made safe by following the **Safe Stop procedure:**

1. **Handbrake/Footbrake on**
2. **Controls in neutral/park**
3. **Engine off**
4. **Key out**

11. Keep hands, feet and clothing away from moving parts.



12. Make sure everyone is clear of machine before starting tractor or operating machine.
13. Observe all safety decals located on machine. Replace them if they become damaged.

HIGH VOLTAGE SAFETY ACT



Georgia Law requires that anyone operating equipment within 10 feet of an overhead high voltage line of more than 750 volts, must contact the Utilities Protection Center (UPC) by telephone at least 72 hours before commencing the work. For more information call (811), toll free (1-800-282-7411) or visit on the web “www.gaupc.com”. **Please** contact your local power company about laws before operating near high voltage lines.

ASSEMBLY AND OPERATIONAL SET-UP

GENERAL:

The 7100 Series Lift Assist Beams and Planter Reaches are shipped separate from the main toolbars because of size limitations. Therefore, this portion of the owner's manual will cover the mounting of the lift assist beams and planter reaches on the main toolbar as well as instructions to follow when mounting to the planter toolbar. This section also covers mounting lift assist wheels, attaching weight transfer kits and provides the necessary hydraulic layouts to plumb everything together.



WARNING

CARE SHOULD BE TAKEN DURING SET-UP AND ASSEMBLY OF THIS PRODUCT. DEATH OR SERIOUS INJURY COULD OCCUR IF PROPER STEPS ARE NOT TAKEN TO FULLY SECURE THE UNIT WHEN WORKING UNDERNEATH IT. ANY HOISTING DEVICES SHOULD BE RATED TO FULLY SUPPORT THE LOAD OF THE UNIT BEING LIFTED.

! IMPORTANT !

Before set-up and assembly can be completed ensure that all hardware is in place and fully tightened. Refer to the **Bolt Torque Chart** below for proper torque values.

BOLT TORQUE CHART

SAE GRADE 5



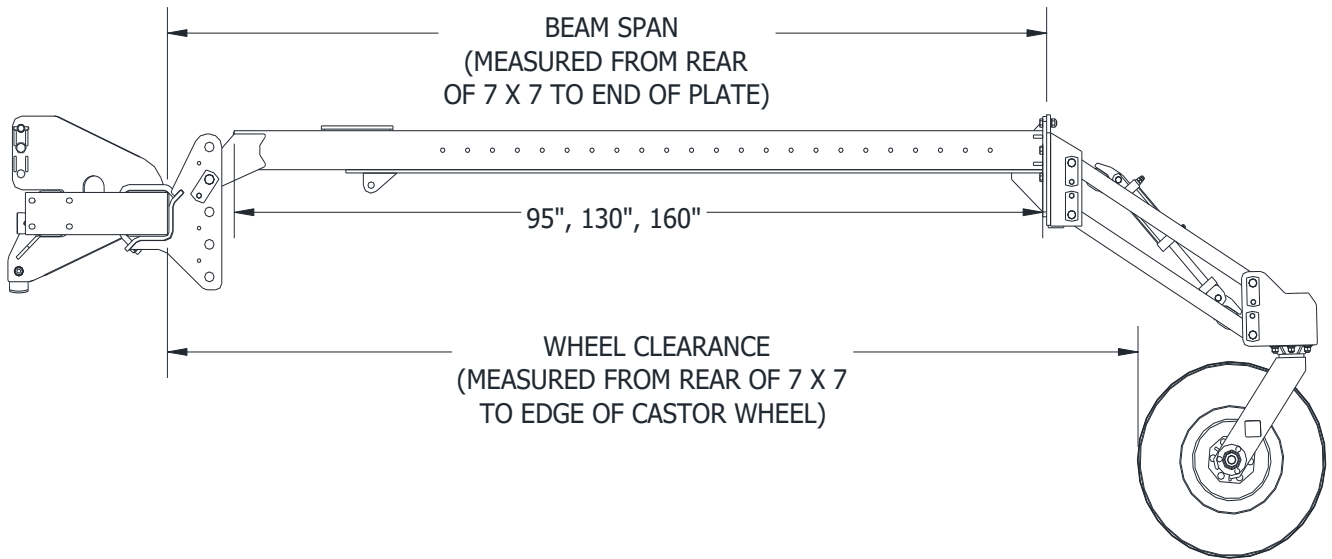
DIAMETER & THREADS PER INCH	TENSILE STRENGTH MIN. PSI	PROOF LOAD LB	CLAMP LOAD LB	TORQUE DRY FT LB	LUBRICATED FT LB
1/4-20	120,000	2,700	2,020	8	6.3
1/4-28	120,000	3,100	2,320	10	7.2
5/16-18	120,000	4,450	3,340	17	13
5/16-24	120,000	4,900	3,700	19	14
3/8-16	120,000	6,600	4,950	30	23
3/8-24	120,000	7,450	5,600	35	25
7/16-14	120,000	9,050	6,780	50	35
7/16-20	120,000	10,100	7,570	55	40
1/2-13	120,000	12,100	9,050	75	55
1/2-20	120,000	13,600	10,200	85	65
9/16-12	120,000	15,500	11,600	110	80
9/16-18	120,000	17,300	12,950	120	90
5/8-11	120,000	19,200	14,400	150	110
5/8-18	120,000	21,800	16,350	170	130
3/4-10	120,000	28,400	21,300	260	200
3/4-16	120,000	31,700	23,780	300	220
7/8-9	120,000	39,300	29,450	430	320
7/8-14	120,000	43,300	32,450	470	350
1-8	120,000	51,500	38,600	640	480
1-14	120,000	57,700	43,300	720	540

SAE GRADE

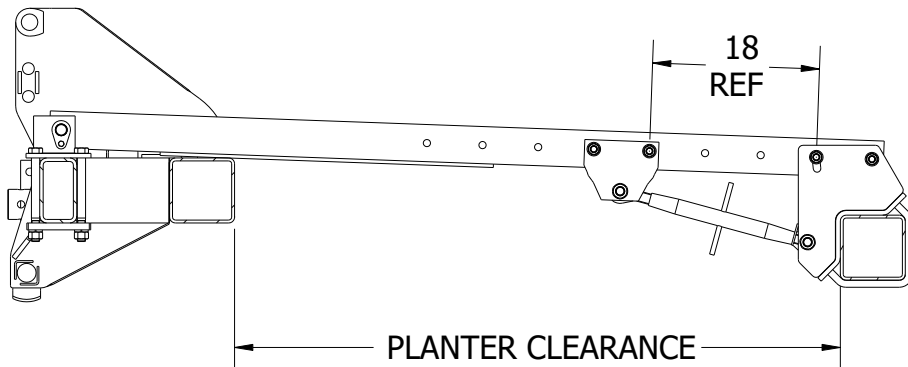


DIAMETER & THREADS PER INCH	TENSILE STRENGTH MIN. PSI	PROOF LOAD LB	CLAMP LOAD LB	TORQUE DRY FT LB	LUBRICATED FT LB
1/4-20	150,000	3,800	2,850	12	9
1/4-28	150,000	4,350	3,250	14	10
5/16-18	150,000	6,300	4,700	24	18
5/16-24	150,000	6,950	5,200	27	20
3/8-16	150,000	9,300	6,980	45	35
3/8-24	150,000	10,500	7,900	50	35
7/16-14	150,000	12,800	9,550	70	50
7/16-20	150,000	14,200	10,650	80	60
1/2-13	150,000	17,000	12,750	110	80
1/2-20	150,000	19,200	14,400	120	90
9/16-12	150,000	21,800	16,350	150	110
9/16-18	150,000	24,400	18,250	170	130
5/8-11	150,000	27,100	20,350	210	160
5/8-18	150,000	30,700	23,000	240	180
3/4-10	150,000	40,100	30,100	380	280
3/4-16	150,000	44,800	33,500	420	310
7/8-9	150,000	55,400	41,600	600	450
7/8-14	150,000	61,100	45,800	670	500
1-8	150,000	72,700	54,500	910	680
1-14	150,000	81,500	61,100	1,020	760

CLEARANCE CHARTS



		PLANTER LIFT ASSIST		
WHEEL CLEARANCE		122"	157"	187"
BEAM SPAN		106"	141"	171"
ROW SPACING	4(36-40) 4(46-48) 6(30) 6(36-40) 8(30) 8(36-40) 8(46-48)	70DLA(30-40)95	70DLA(30-40)130	70DLA(30-40)150
	12(30) 12(36) 12(38) 12(40) 16(30)	70QLA(30-40)95	70QLA(30-40)130	70QLA(30-40)160



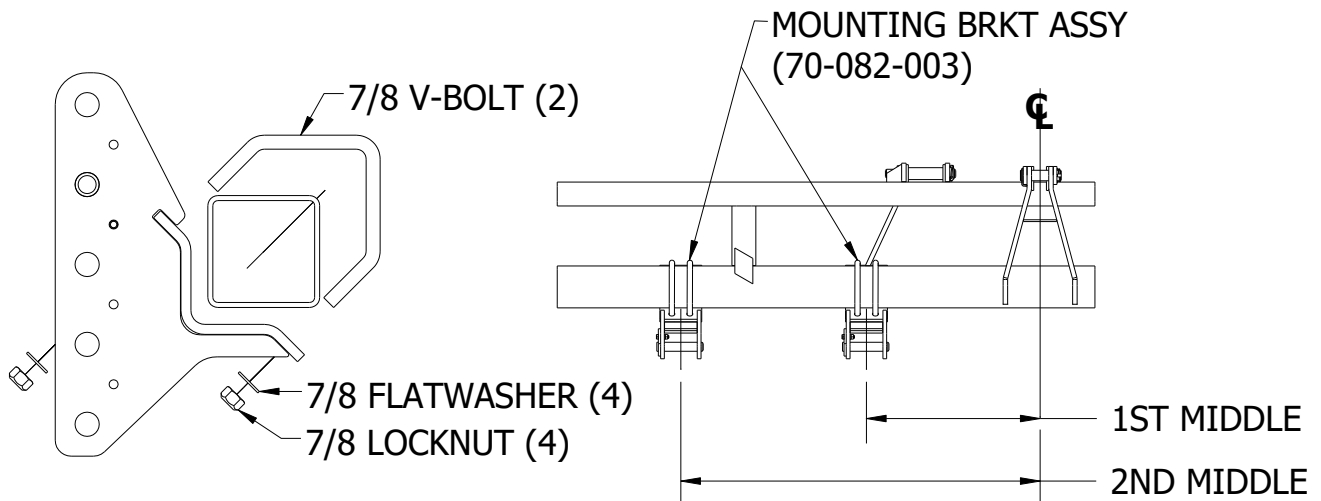
BEAM DESCRIPTION	PART NUMBER	PLANTER CLEARANCE	
		MIN	MAX
SHORT PLANTER REACH	70-082-038	47in	65in
LONG PLANTER REACH	70-082-039	71in	95in

LIFT ASSIST BEAMS:

MOUNTING TO THE RIPPER TOOLBAR

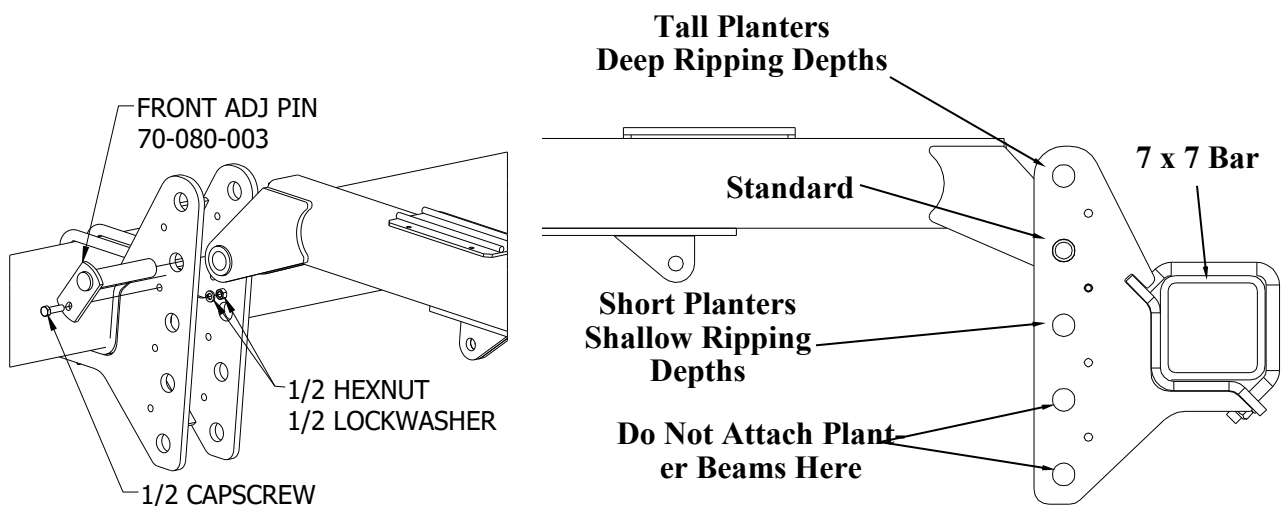
The first step in mounting the 7100 Lift Assist Beams is to determine the mounting location and mount the toolbar brackets. The recommended location for Dual Lift Assist beams and the inside beams on Quad Lift Assist is the first middle out from the center of the toolbar. For Quad Lift Assist, the second set of brackets should mount in the second middle. The Toolbar Mounting Bracket is placed against the rear and bottom surfaces of the 7 x 7 Tube and is held in place by 7/8 V-Bolts Gr 8 (2), 7/8 Flatwashers, and 7/8 Locknuts. Refer to **Bolt Torque Chart** when tightening hardware.

*NOTE: Beam location is often determined by available space on the Planter Toolbar



LOCATING LIFT ASSIST BEAMS

Lift Assist Beams are attached to the Toolbar brackets using the Front Adj Pin, that is held in place with a 1/2in Capscrew. The Toolbar brackets are symmetrical and the Front Adj Pin can be inserted from either side. The location of the Lift Assist Beam in the Toolbar Bracket is dependent upon the planter bar height and the desired shank run depth. The standard hole for most applications is the second hole from the top. The top hole is used for deeper shank depths and higher planter bars and the third hole for shallow shank depths and lower planter bars. The bottom two holes should not be used for mounting the Lift Assist Beam. Lift Assist beams should be placed over the top of the planter toolbar before pinning in the Toolbar Bracket.

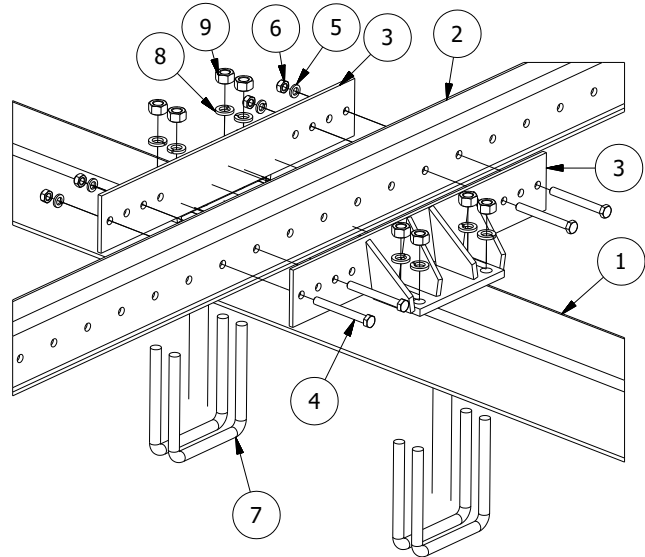


MOUNTING TO THE PLANTER BAR

Lift Assist Beams are mounted to the Planter Toolbar using Planter Brackets. There are several styles of Planter Brackets for various planter applications but they all bolt together similarly. First set the planter toolbar the desired distance from the rear of the main toolbar. Place the Planter Brackets on top of the planter toolbar and insert the 7/8 U-bolts from the bottom of the planter bar up through the hole in the Planter Brackets. Place a 7/8 Lockwasher and 7/8 Hexnut on each end of the U-bolt but do not tighten. Adjust the planter toolbar distance from the main toolbar until a set of holes in the Planter Brackets line up with the holes drilled in the Lift Assist beam. Insert the 5/8 x 5-1/2 Capscrews (4) through the planter bracket, through the beam and through the planter bracket on the opposite side. Place a 5/8 Lockwasher and 5/8 Locknut on each bolt and tighten. Check the alignment between the main toolbar and the planter toolbar and tighten the 7/8 U-bolts. (Refer to Bolt Torque Chart)

*Note: Planter Brackets with offsets use (2) 7/8 x 9-1/2 Capscrew with a cap instead of one (1) U-bolt.

ITEM	DESCRIPTION	QTY
1	PLANTER TOOLBAR	3
2	LIFT ASSIST BEAM	3
3	PLANTER BRACKET	4
4	CAPSCREW, 5/8 X 5-1/2 G8 PLT	4
5	LOCKWASHER, 5/8 PLT	4
6	LOCKNUT, 5/8 NC STOVER GD C PLT	4
7	U-BOLT, 7/8 X 8 3/4 X 7 15/16 G5 PLT	4
8	LOCKWASHER, 7/8 PLT	8
9	NUT, 7/8 NC HEX PLT	8



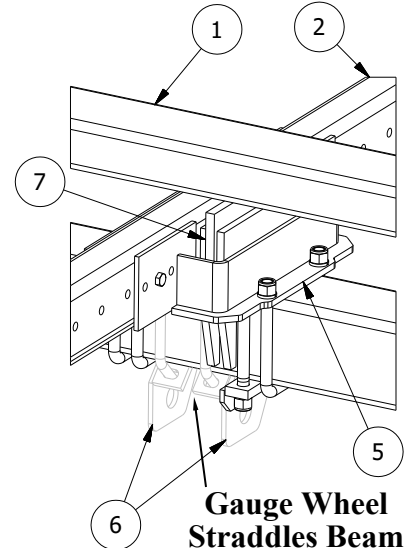
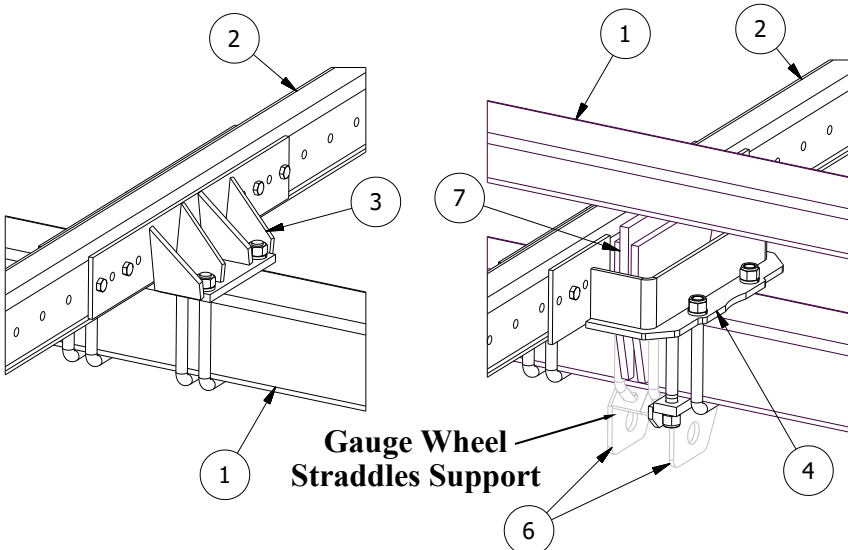
The inside beam on Quad Lift Assist uses Offset Brackets to mount around the Truss Supports on the stackfold planter toolbars. The diagrams below show the placement of gauge wheel brackets and the Offset Bracket that is needed for different row patterns. Bracket part numbers are shown in the 7100 Series Parts Book.

ITEM	DESCRIPTION
1	PLANTER TOOLBAR
2	LIFT ASSIST BEAM
3	STANDARD PLANTER BRACKET
4	LARGE OFFSET PLANTER BRACKET
5	OFFSET PLANTER BRACKET
6	PLANTER GAUGE WHEELS
7	TRUSS SUPPORT

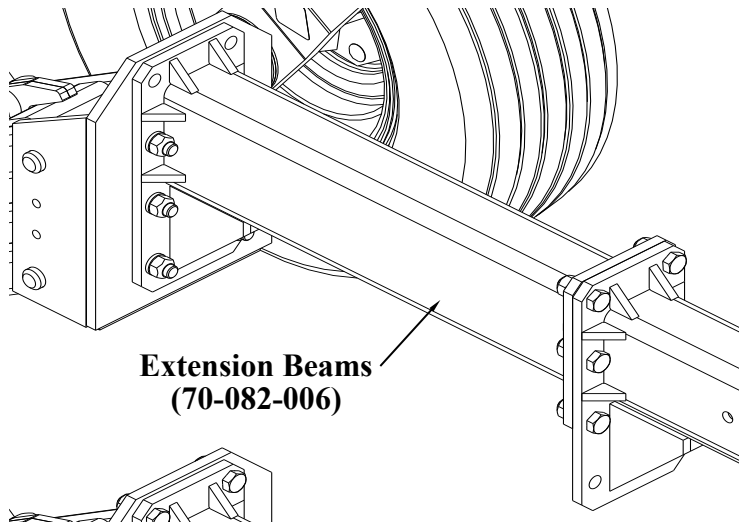
Standard Assy

12 ROW 38

12 ROW 30, 36



MOUNTING EXTENSIONS



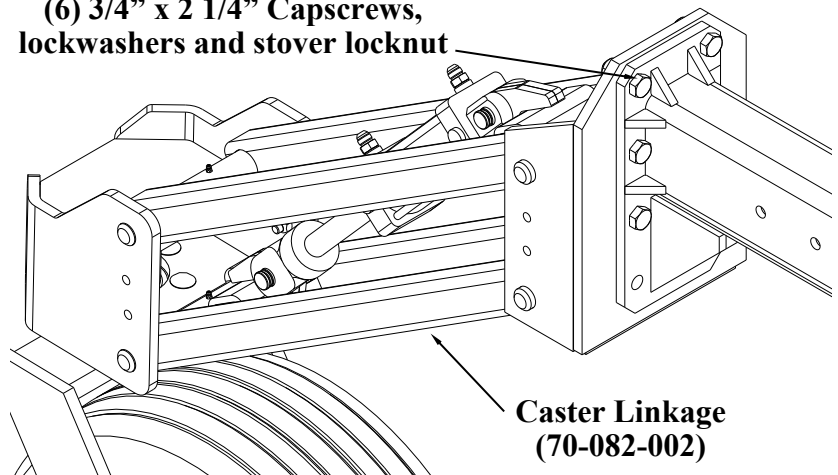
Extension beams are used to offset rear tires on 30" row patterns and when additional clearance is needed behind the planter toolbar. 30" Extensions (70-082-006) are available and assembled as shown in the diagram to the left.

When adding Extensions Beams between the end of the Lift Assist Beam and the Lift Assist Wheels, add one (70-082-006) hose bundle for each pair of extensions.

MOUNTING CASTER LINKAGE

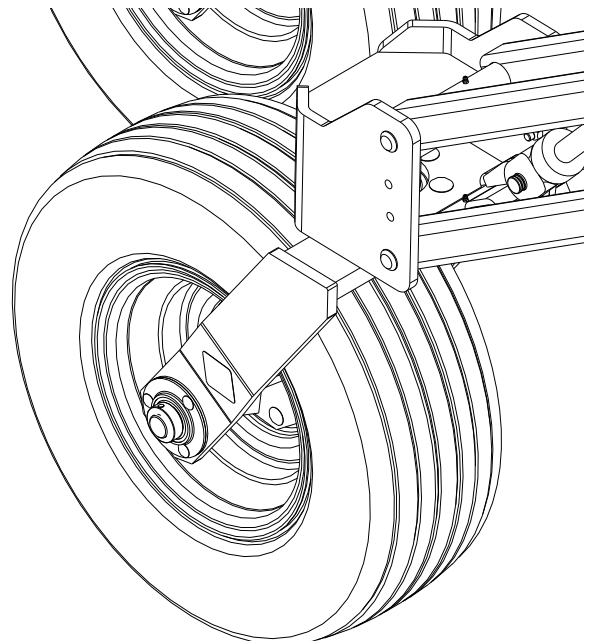
The Caster Linkage (70-082-002) is bolted to the end of the Lift Assist beam using (6) 3/4" x 2 1/4" capscrews, 3/4" lockwashers, and 3/4" locknuts. Standard Practice is to use the top set of holes in the beam, but if extra clearance height is needed the Caster Linkage can be bolted in the lower sets of holes. Tighten securely. (Refer to Bolt Torque Chart)

(6) 3/4" x 2 1/4" Capscrews,
lockwashers and stover locknut



MOUNTING TIRE ASSEMBLY

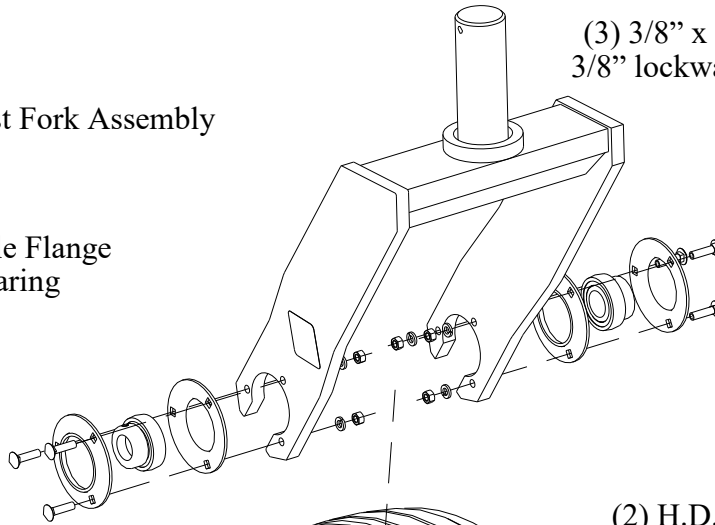
Attach the Lift Assist Fork Assembly (16-082-099) to the linkage assembly with the (6) 5/8" x 2 1/4" carriage screws, 5/8" flatwasher, 5/8" lockwashers, and 5/8" hexnuts provided. Complete the Lift Assist Fork Assembly by mounting a 15 x 8 inch wheel and 11L-15SL 12 PLY tire (16-081-023) to the wheel spindle. The Lift Assist Wheel Spindle must be disassembled from the Lift Assist Fork Assembly before the wheel can be assembled on the spindle using the (6) 1/2" x 2 1/4" carriage screws, 1/2" lockwasher, and 1/2" hexnuts. Reassemble wheel spindle back into fork assembly. Refer to the diagram below for assembly.



Lift Assist Fork Assembly

(2) H.D. 72ms 3-hole Flange
& (1) 1 3/8" Bearing

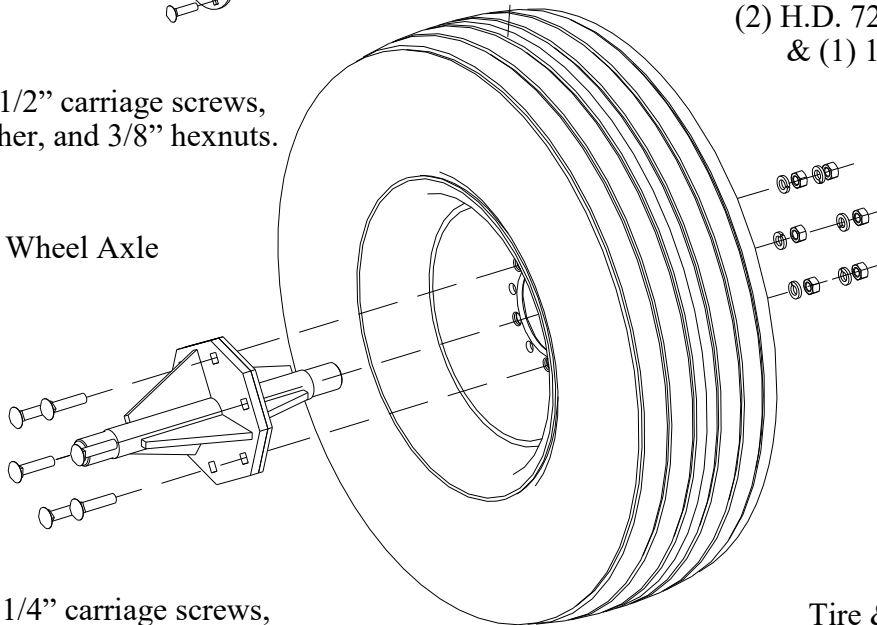
(3) 3/8" x 1 1/2" carriage screws,
3/8" lockwasher, and 3/8" hexnuts.



(2) H.D. 72ms 3-hole Flange
& (1) 1 3/8" Bearing

(3) 3/8" x 1 1/2" carriage screws,
3/8" lockwasher, and 3/8" hexnuts.

Lift Assist Wheel Axle



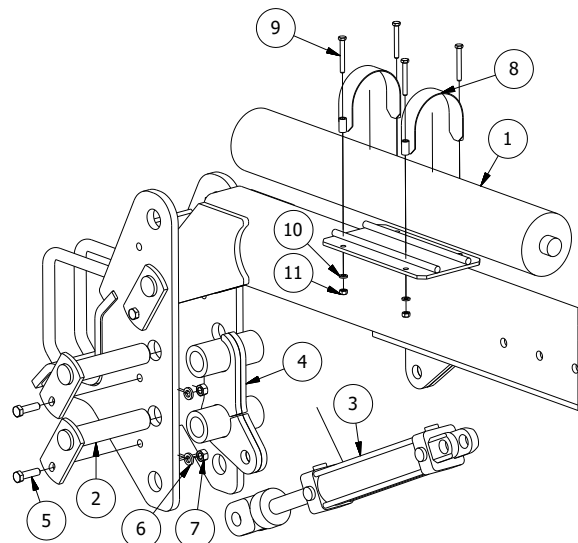
(6) 1/2" x 2 1/4" carriage screws,
1/2" lockwasher, and 1/2" hexnuts.

Tire & Rim Assembly
(16-081-023)

MOUNTING WEIGHT TRANSFER

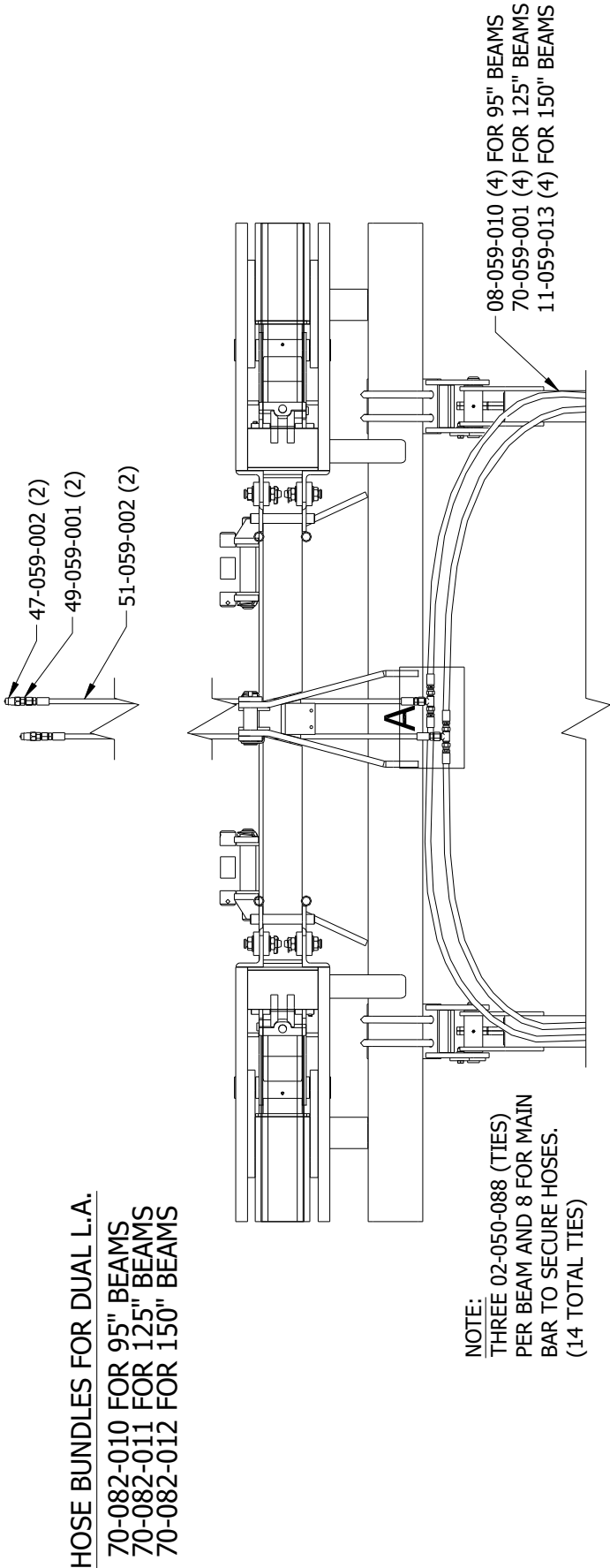
Weight Transfer is added to the Lift Assist Beams to take some of the main toolbar weight off the tractor 3-point hitch and place it on the Lift Assist wheels. Using the Front Adj Pins, pin the **Weight Transfer Anchor** in the two holes immediately below the beam pivot hole. Refer to the figure for placement and orientation. Use the 1/2in hardware to hold the pins in place. Pin the Weight Transfer cylinder between the clevises with the rod end down. Place the Accumulator bottle in the cradle on top of the Lift Assist beam, with the hydraulic fitting end placed towards the front of the beam, and bolt in place using the Accumulator Straps and the 5/16 hardware. Refer to Bolt Torque Chart when tightening hardware.

ITEM	DESCRIPTION	QTY
1	ACCUMULATOR, 1-1/2 GAL - #12 ORB	1
2	FRONT ADJ PIN	2
3	WEIGHT TRANSFER CYLINDER	1
4	WEIGHT TRANSFER ANCHOR	1
5	CAPSCREW, 1/2 X 1 3/4 NC G5 PLT	2
6	LOCKWASHER, 1/2" REGULAR PLT	2
7	HEXNUT, 1/2 PLT	2
8	ACCUMULATOR STRAP	2
9	CAPSCREW, 5/16 X 2 1/2 G5	4
10	LOCKWASHER, 5/16 PLT	4
11	HEXNUT, 5/16 PLT	4

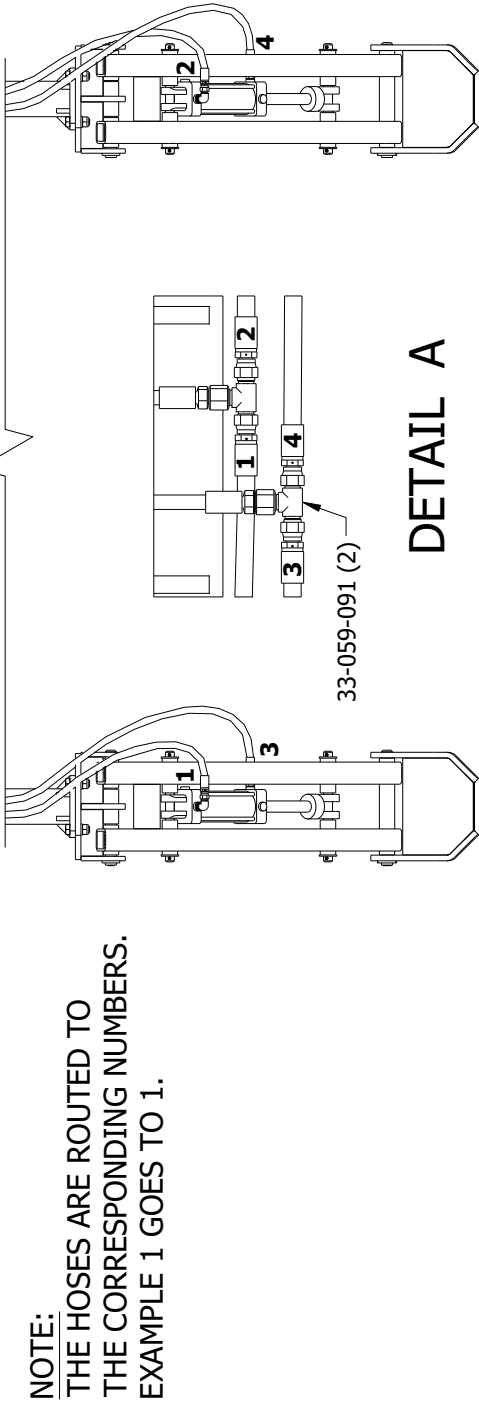


HYDRAULIC LAYOUTS

DUAL LIFT ASSIST



- HOSE LENGTHS:
- 51-059-002 - 80"
 - 08-059-010 - 190"
 - 70-059-001 - 225"
 - 11-059-013 - 240"



DUAL LIFT ASSIST WITH WEIGHT TRANSFER

D.L.A. WEIGHT TRANSFER BUNDLE

70-082-007

HOSE BUNDLES FOR W.T. D.L.A.

70-082-013 FOR 95" BEAMS

70-082-014 FOR 125" BEAMS

70-082-015 FOR 150" BEAMS

CAUTION:

SYSTEM PRESSURE SHOULD NOT EXCEED 2500 PSI. HIGHER PRESSURES MAY RESULT IN COMPONENT FAILURE, SERIOUS INJURY, OR DEATH.

ADJUST RELIEF VALVE AS FOLLOWS TO OBTAIN PROPER PRESSURE.

1) REMOVE PROTECTIVE CAP FROM ADJUSTMENT

SCREW USING 1/2" WRENCH.

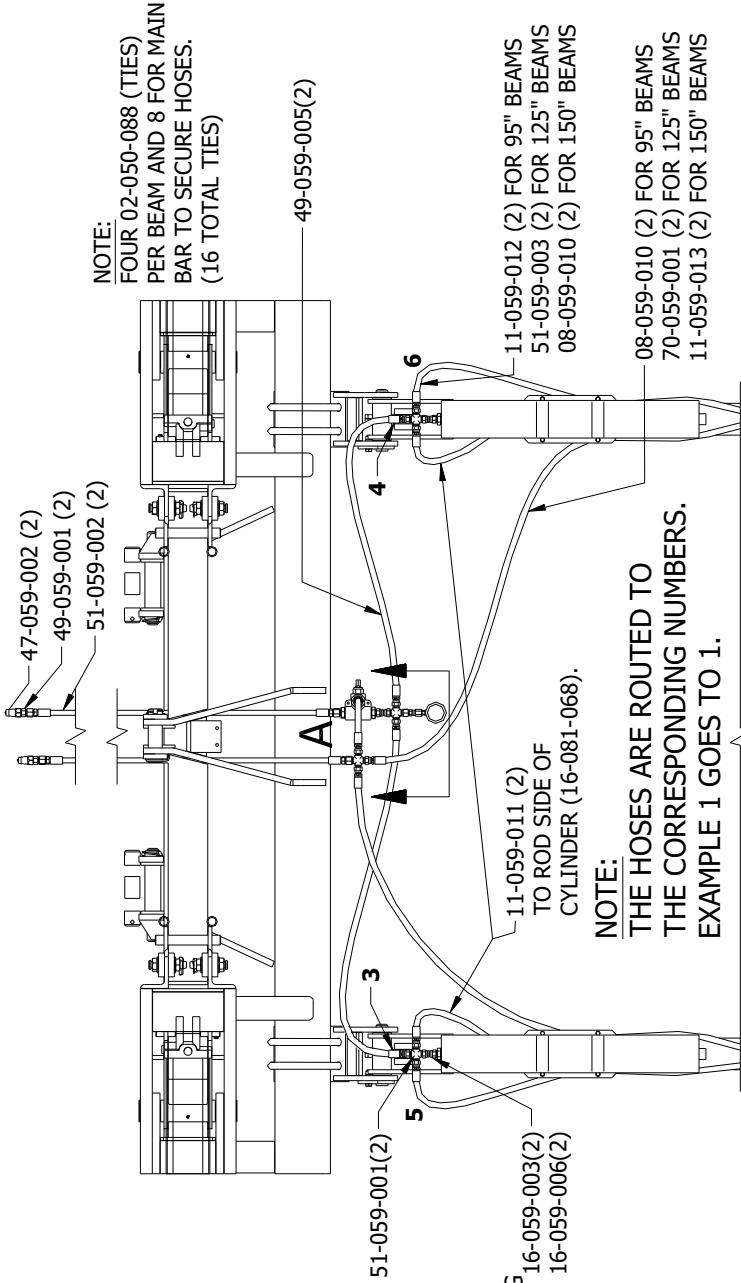
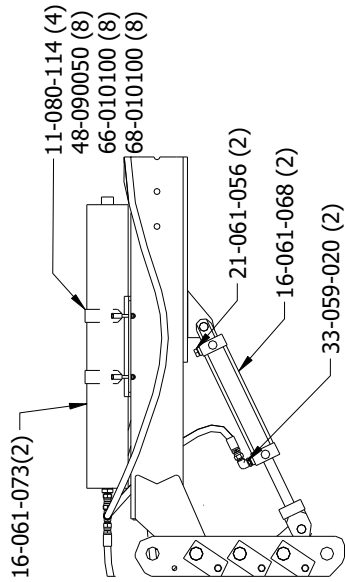
2) LOOSEN ADJUSTMENT SCREW JAM NUT USING 9/16" WRENCH.

3) WITH HYDRAULIC SYSTEM IN CONSTANT PUMPING POSITION TURN ADJUSTMENT SCREW WITH 3/16" HEX WRENCH TO OBTAIN PROPER PRESSURE.

4) TURN OFF HYDRAULIC SYSTEM.

5) TIGHTEN JAM NUT AND REPLACE PROTECTIVE CAP.

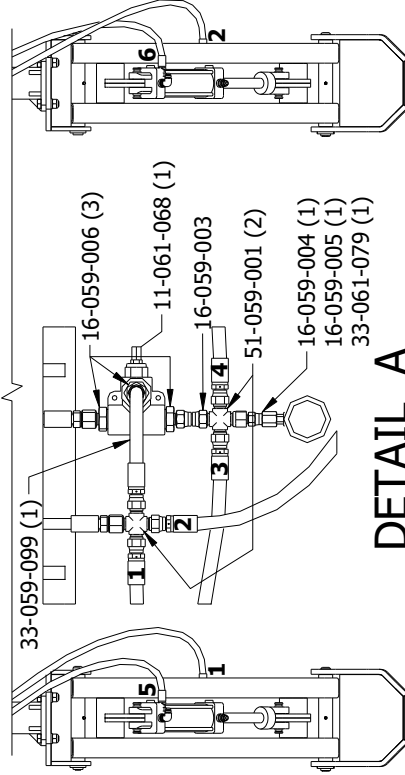
6) CHECK FOR PROPER PRESSURE AND READJUST IF NECESSARY.



NOTE:
FOUR 02-050-088 (TIES)
PER BEAM AND 8 FOR MAIN
BAR TO SECURE HOSES.
(16 TOTAL TIES)

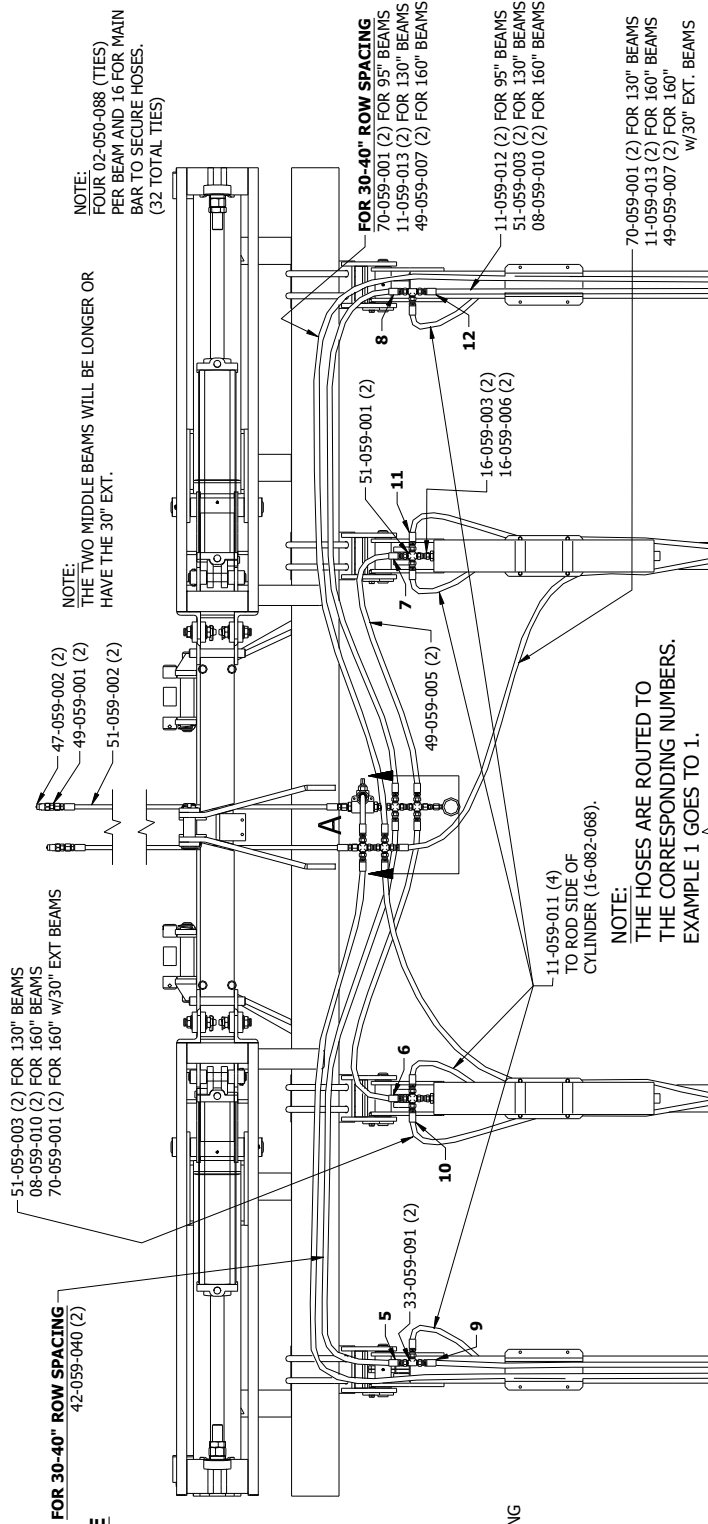
HOSE LENGTHS:

33-059-099 - 24"
11-059-011 - 36"
49-059-005 - 65"
51-059-002 - 80"
11-059-012 - 150"
51-059-003 - 175"
08-059-010 - 190"
70-059-001 - 225"
11-059-013 - 240"



DETAIL A

QUAD LIFT ASSIST WITH WEIGHT TRANSFER



Q.L.A. WEIGHT TRANSFER BUNDLE 70-082-008

HOSE BUNDLES FOR W.T. Q.L.A.

- (30-40" ROW PATTERN:)
70-082-045 - 95" BEAMS
70-082-046 - 130" BEAMS
70-082-047 - 160" BEAMS

CAUTION:

SYSTEM PRESSURE SHOULD NOT EXCEED 2500 PSI. HIGHER PRESSURES MAY RESULT IN COMPONENT FAILURE, SERIOUS INJURY, OR DEATH.

ADJUST RELIEF VALVE AS FOLLOWS TO OBTAIN PROPER PRESSURE.

1) REMOVE PROTECTIVE CAP FROM ADJUSTMENT

SCREW USING 1/2" WRENCH.

2) LOOSEN ADJUSTMENT SCREW JAM NUT USING 9/16" WRENCH.

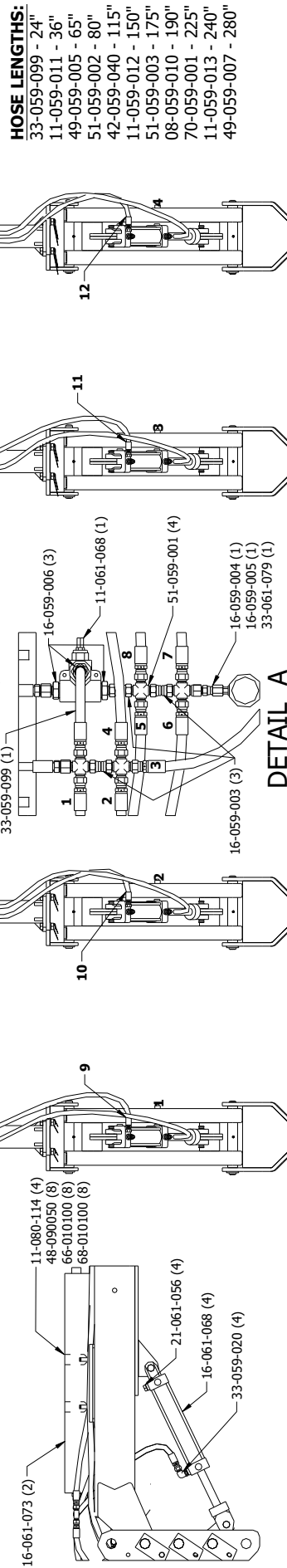
3) WITH HYDRAULIC SYSTEM IN CONSTANT PUMPING POSITION TURN ADJUSTMENT SCREW WITH 3/16" HEX WRENCH TO OBTAIN PROPER PRESSURE.

4) TURN OFF HYDRAULIC SYSTEM.

5) TIGHTEN JAM NUT AND REPLACE PROTECTIVE CAP

6) CHECK FOR PROPER PRESSURE AND

READJUST IF NECESSARY.

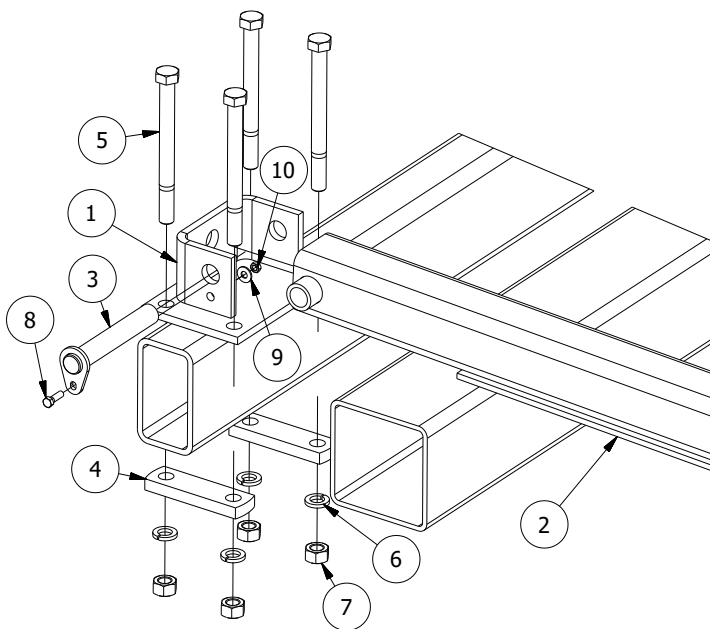


PLANTER REACH BEAMS:

MOUNTING TO THE RIPPER TOOLBAR

The Planter Reach Brackets mount on the front 4 x 7 Tube of the main toolbar. The 7 x 7 rear tube is used as the down stop for the beams when picking up the planter toolbar. The location of the Planter Reach beams on the main toolbar will be determined by open areas on the Planter Toolbar but as a general rule the first middle is used. Place the Planter Reach Mnt Brkt on top of the 4 x 7 front tube. Insert the 7/8 x 9-1/2in Capscrews through the holes in the bracket, around the front tube and through the hitch caps at the bottom. Place a 7/8 Lockwasher and 7/8 Hexnut on the end of each bolt and tighten. (Refer to Bolt Torque Chart) Align the pivot hole in the Planter Reach beam with the pivot hole in the front bracket. Insert the Front Pivot Pin and lock in place with the 3/8 x 1-1/4 Cap-screw, 3/8 Flatwasher, and 3/8 Locknut.

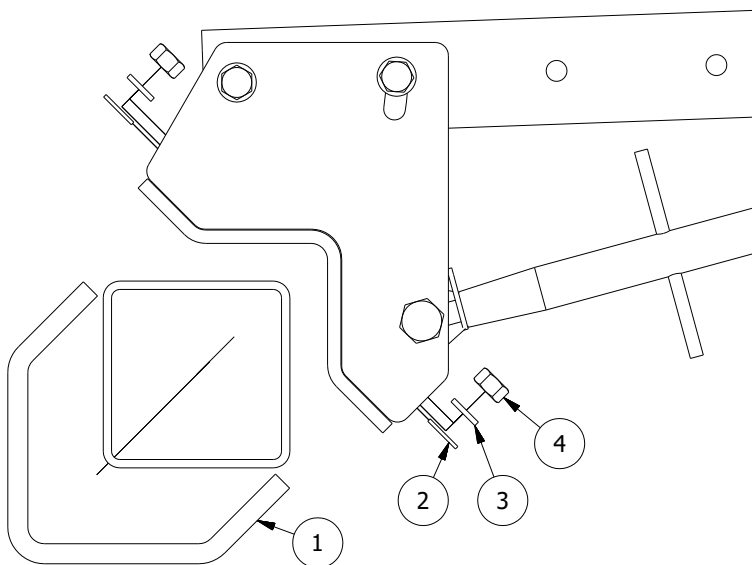
ITEM	DESCRIPTION	QTY
1	PLANTER REACH MNT BRKT	1
2	PLANTER REACH BEAM	1
3	FRONT PIVOT PIN	1
4	CAP, HITCH	2
5	CAPSCREW, 7/8 X 9 1/2 NC G5 PLT	4
6	LOCKWASHER, 7/8 PLT	4
7	NUT, 7/8 NC HEX PLT	4
8	CAPSCREW, 3/8 X 1 1/4 NC G5 PLT	1
9	FLATWASHER, 3/8" STANDARD PLT	1
10	LOCKNUT, 3/8 STOVER GB PLT	1



MOUNTING TO THE PLANTER BAR

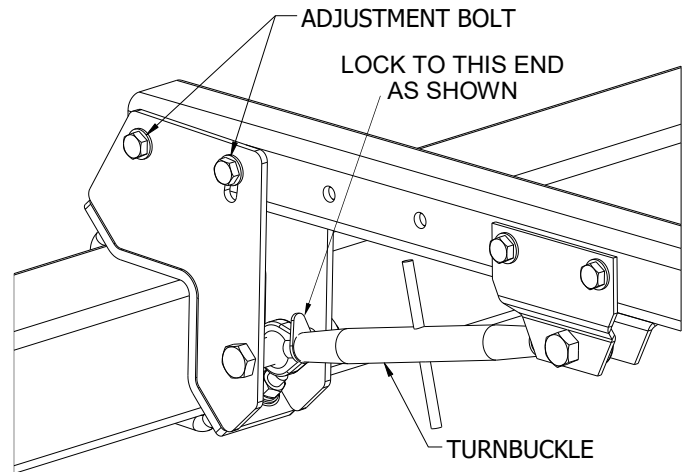
The Planter Reach Beams mount to the front and top sides of the 7 x 7 Planter toolbar. Once the location has been determined, place the Planter Mounting Bracket on the top and against the front of the planter toolbar. Place the 3/4 V-Bolts from the bottom rear of the planter bar up through the holes in the Planter Mounting Bracket. Place a 3/4 Flatwasher, 3/4 Lockwasher, and a 3/4 Hexnut on the ends of each V-Bolt. Tighten all bolts according to the Bolt Torque Chart.

ITEM	DESCRIPTION	QTY
1	VEE BOLT, 3/4 X 7 X 7 G8 PLT	2
2	FLATWASHER, 3/4 SAE PLT	4
3	LOCKWASHER, 3/4 PLT	4
4	HEXNUT, 3/4 PLT	4



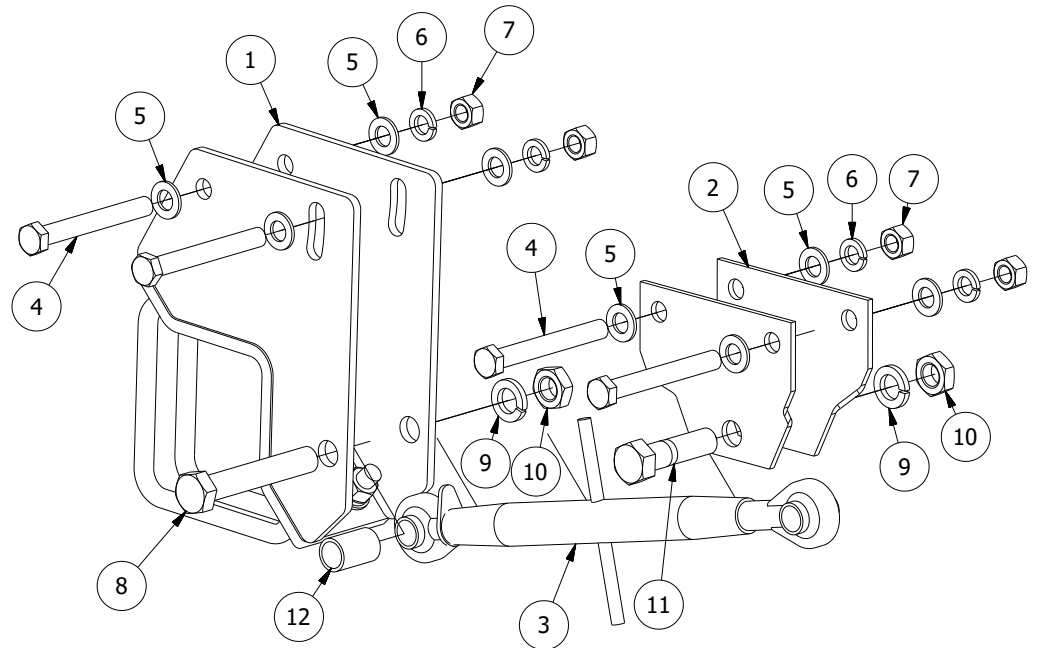
ADJUSTING PLANTER ANGLE

To adjust the planter toolbar running angle, run the ripper shanks on the main toolbar into the ground until reaching operating depth. At this point the planter gauge wheels should be on the ground. Set all brakes and turn off the tractor. Loosen the rear adjustment bolts on the planter toolbar mount but do not remove the bolts or the nuts. Spin the turnbuckle in or out until the planter toolbar is parallel to the ground. Retighten all bolts according to the Bolt Torque Chart.



PLANTER MOUNT BRACKET ASSEMBLY

The Planter Mount Bracket and the Turnbuckle Adjustment plates come preassembled on the Planter Reach beams, however, should the brackets need to be moved the diagram below shows proper hardware location for reassembly. When tightening bolts refer to Bolt Torque Chart.



ITEM	DESCRIPTION	QTY
1	PLANTER MOUNT BRKT	1
2	PLATE, TURNBUCKLE ADJ	2
3	TURNBUCKLE, CAT II (21"-31")	1
4	CAPSCREW, 3/4 X 6 NC G5 PLT	4
5	FLATWASHER, 3/4 SAE PLT	8
6	LOCKWASHER, 3/4 PLT	4
7	HEXNUT, 3/4 PLT	4
8	CAPSCREW, 1 X 6 NC G5 PLT	1
9	LOCKWASHER, 1" PLT	2
10	NUT, 1" NC HEX JAM	2
11	CAPSCREW, 1 X 3 3/4 NC G5 PLT	1
12	SPACER, TURNBUCKLE	1

START-UP

Before initial operation of this piece of equipment, review the “**Pre-Operational Checklist**” at the front of this manual. Make sure all fields of the checklist have been performed and make any notes necessary for future operators. Your piece of equipment should now be ready for field operation.

NOTES:

[illegible]

MAINTENANCE

SERVICE SCHEDULE

The KMC 7000 Series Lift Assist Beams and Planter Reach Beams have been carefully designed and manufactured to provide years of dependable service. To maximize use and reduce downtime and repair costs, regular maintenance should be performed on the both types of beams. Below is a guide for minimum recommended services and the time intervals for their completion. However, since these machines are used in many different conditions and applications, the operator should customize the maintenance schedule to best fit their individual needs.

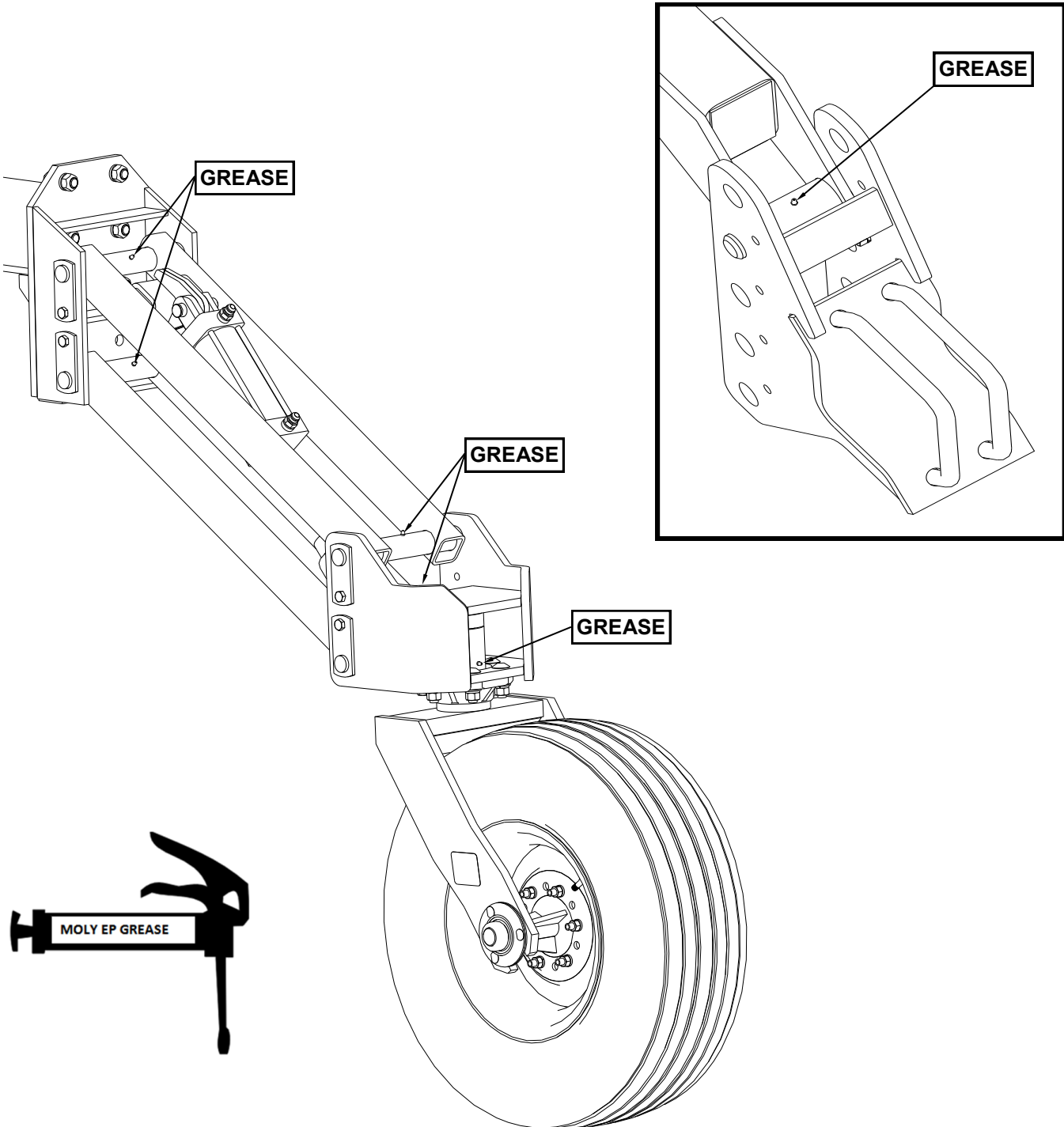
	SERVICE	EVERY 10 HOURS	EVERY 50 HOURS	EVERY 250 HOURS
1	INSPECT TIRE INFLATION (11L-15SL 3200lbs @ 52psi COLD)	X		
2	INSPECT HYDAULIC HOSES (REPLACE AS NEEDED)	X		
3	LUBRICATE ALL GREASE POINTS		X	
4	CHECK TORQUE ON ALL BOLTS (See Bolt Torque Chart in Section on General Assembly Set-up)	X (INITIAL)		X
5	INSPECT PIVOT PINS FOR WEAR		X	
6	INSPECT TIRE FOR WEAR (REPLACE AS NEEDED)		X	
7	INSPECT BEARINGS ON TIRES		X	
8	INSPECT EQUIPMENT FOR DAMAGE			X

LUBRICATION POINTS

Several machine components require periodic lubrication: See the “**Maintenance Service Schedule**” portion of the manual for those periodic lubrication intervals.

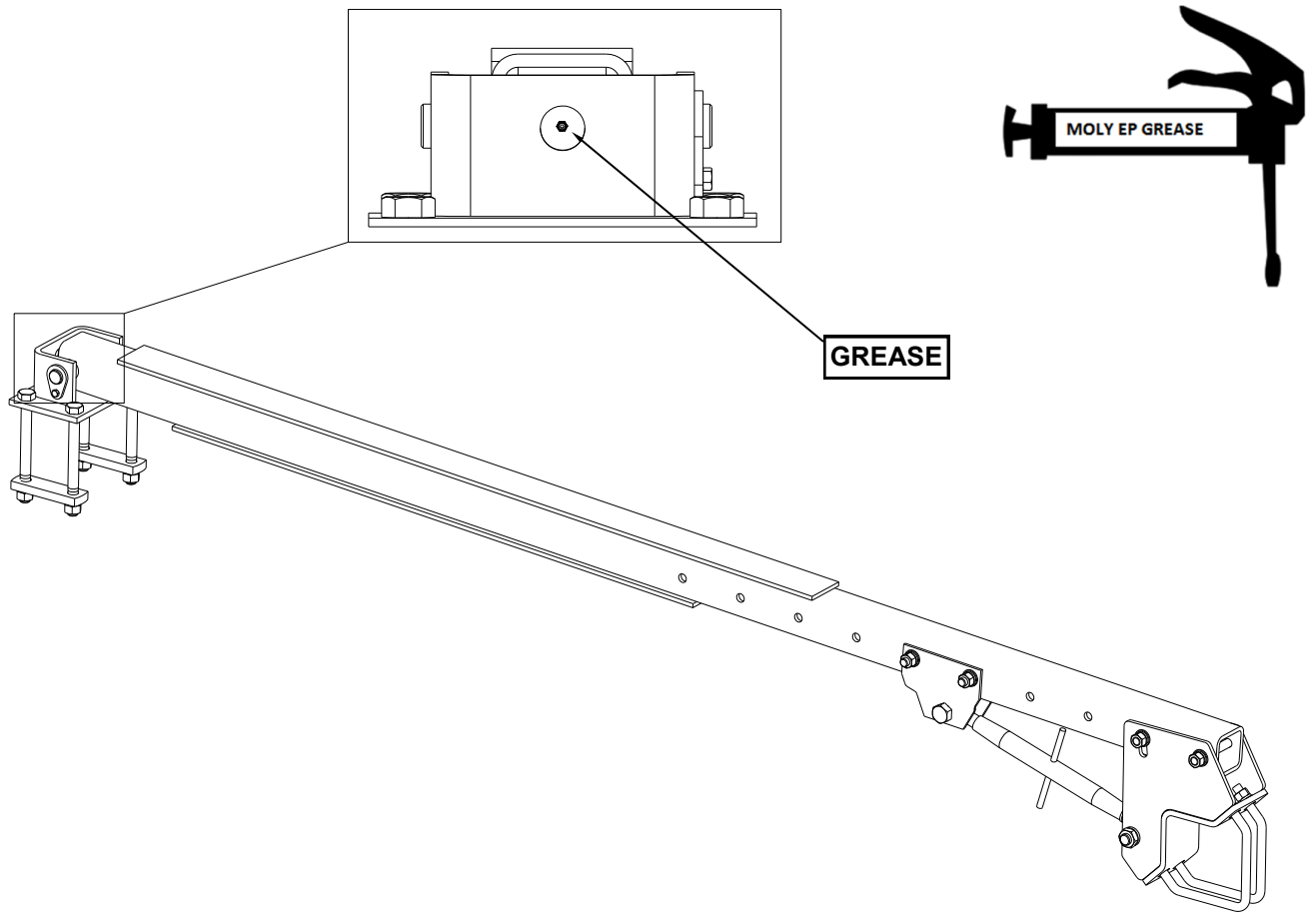
The following illustrations highlight those component areas that are fitted for lubrication. In all pivot areas it is important to use a **Moly EP Grease** with a minimum service interval as described in the Maintenance Service Schedule.

Lift Assist Beams (6) Locations per beam



Planter Reach Beams

(1) Location per beam



STORAGE:

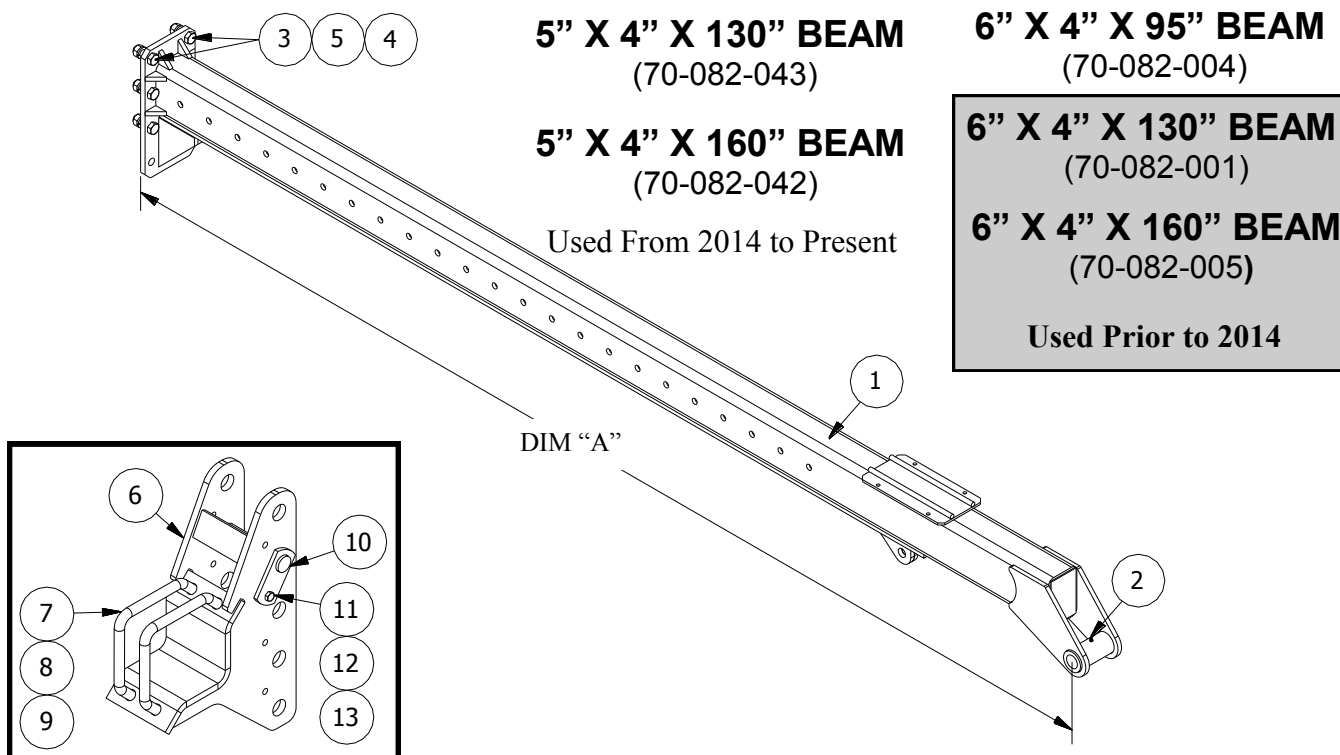
The purchase of your Lift Assist or Planter Beams is a substantial investment to your farming needs. For this reason, your Lift Assist or Planter Beams should be cleaned and stored in a manner that will ensure the life and value of your investment for years to come.

KMC recommends after each season of use to:

- **Pressure wash and clean the machine thoroughly to remove all dirt and moisture retaining materials.**
- **Repaint worn and scratched parts if possible.**
- **Grease all bearings, bushings, and pivot joints that are fitted for relube. Also, fully grease the turnbuckle threads to prevent these areas from rusting and pitting.**
- **Store under a shelter in a location away from all weather elements if possible.**

PARTS BREAKDOWNS:

95", 130", & 160" (6" x 4") Beam	30
130" & 160" (5" x 4") Beam	30
Mounting Bracket	30
Caster Linkage	31
Lift Assist Fork & Wheel	32-33
30" Extension	33
Planter Brackets	34-35
Short & Long Planter Reachs	36-37
Dual Lift Assist Hydraulics	38-39
Quad Lift Assist Hydraulics	40-45
Dual & Quad Weight Transfer Assembly	46-47
1 1/2" Gallon Accumulator	47
Hydraulic Cylinders, 2 1/2 X 10 & 3 X 6	48



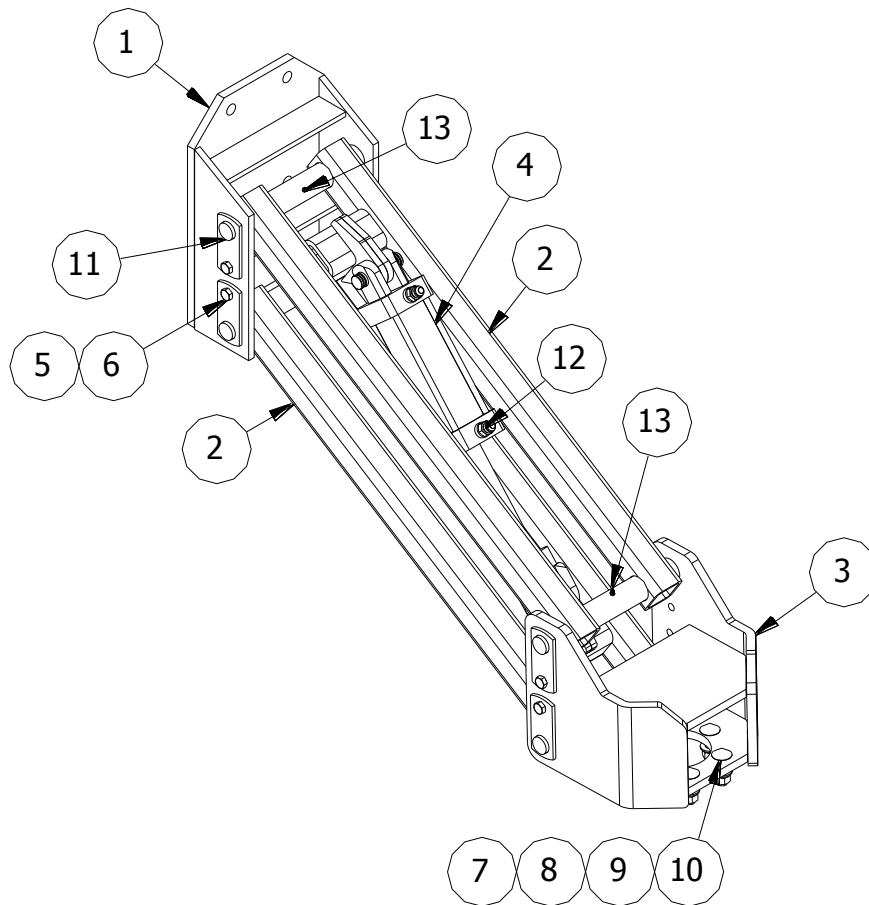
ITEM	PART NO,	SERIAL NO. OR YR.	DESCRIPTION	DIM "A"	QTY		
					95"	130"	160"
1	70-080-010		B EAM, 6" X 4" X 95"	99 9/16	1	-	-
	70-080-001	(-2013)	BEAM, 6" X 4" X 130"	134 9/16	-	(1)	-
	70-080-011	(-2013)	BEAM, 6" X 4" X 160"	164 9/16	-	-	(1)
	70-080-021		BEAM, 5" X 4" X 130"	134 9/16	-	1	-
	70-080-020		BEAM, 5" X 4" X 160"	164 9/16	-	-	1
2	02-050-005		FITTING, 1/4-28 GREASE		1	1	1
3	48-200046		CAPSCREW, 3/4 X 2 1/4 G8 P		6	6	6
4	66-010350		LOCKWASHER, 3/4 PLT		6	6	6
5	72-010150		LOCKNUT, 3/4 STOVER G"B" P		6	6	6

MOUNTING BRACKET
(70-082-003)

ITEM	PART NO,	SERIAL NO. OR YR.	DESCRIPTION	QTY
6	70-080-002		MOUNTING BRACKET	1
7	50-050-002		VEE BOLT, 7/8 X 7 X 7 G8 PLT	2
8	62-020042		FLATWASHER, 7/8 SAE PLT	4
9	72-020100		LOCKNUT, 7/8 STOVER G"C" PLT	4
10	70-080-003		PIN, FRONT ADJ	1
11	48-090596		CAPSCREW, 1/2 X 1 3/4 G5 PLT	1
12	66-010250		LOCKWASHER, 1/2 REG PLT	1
13	68-010250		HEXNUT, 1/2 PLT	1

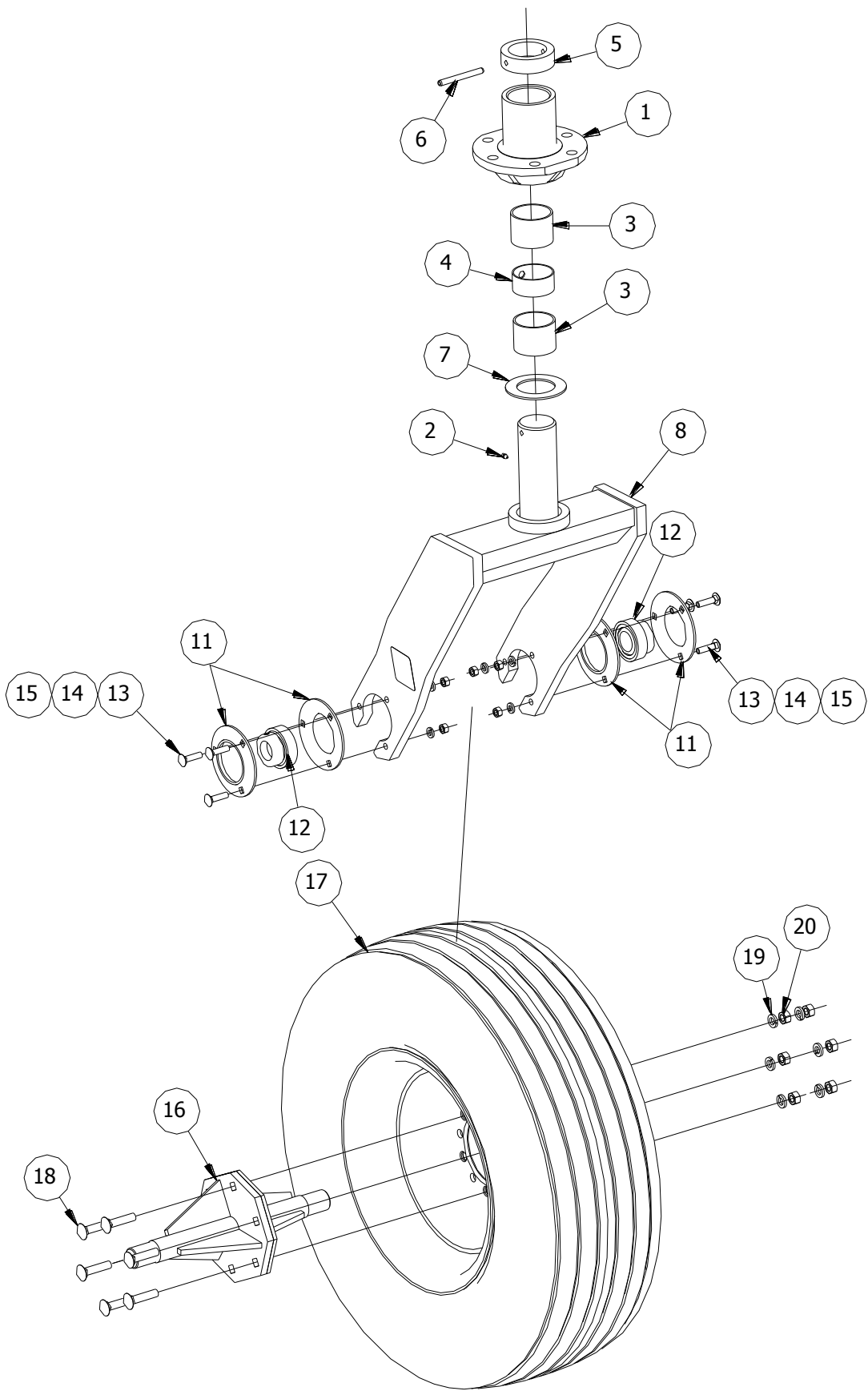
CASTER LINKAGE

(70-082-002)

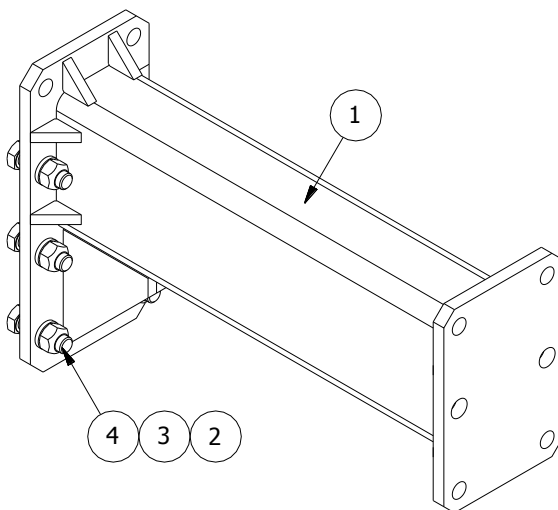


ITEM	PART NO,	SERIAL NO. OR YR.	DESCRIPTION	QTY
1	70-080-005		WHEEL LINKAGE BASE	1
2	70-080-006		TOP LINKAGE	1
3	70-080-009		CASTER BRACKET	1
4	33-061-120	(-2014)	HYDRAULIC CYLINDER, 3 X 6	(1)
	33-061-203	(2015-)	HYDRAULIC CYLINDER, 3 X 6 x 1.125	1
5	48-090596		CAPSCREW, 1/2 X 1 3/4 G5 PLT	4
6	72-010100		LOCKNUT, 1/2 STOVER G5 PLT	4
7	52-050350		CARRIAGE BOLT, 5/8 X 2 1/4 G5 PLT	6
8	62-020040		FLATWASHER, 5/8 SAE PLT	6
9	66-010300		LOCKWASHER, 5/8 PLT	6
10	68-010300		HEXNUT, 5/8 PLT	6
11	70-080-008		PIN, WHEEL LINKAGE	4
12	33-059-080		ADAPTER, 8MB-8MJ	1
13	02-050-005		GREASE FITTING, 1/4-28 STRT	4

LIFT ASSIST FORK
(16-082-099)



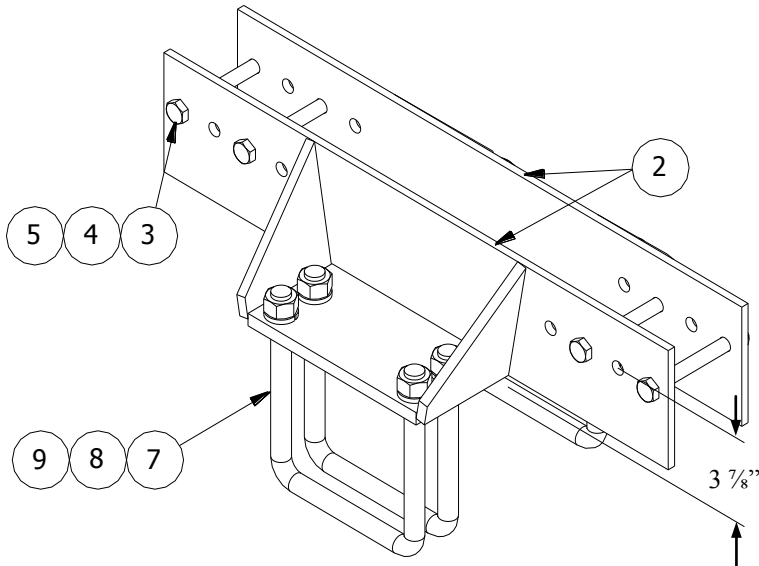
ITEM	PART NO,	SERIAL NO. OR YR.	DESCRIPTION	QTY
1	16-057-015		HUB, HD LIFT ASSIST	1
2	02-050-005		FITTING, 1/4-28 STRT GREASE	1
3	16-050-030		BUSHING, 2 3/4 X 2 1/2 X 2 OILITE	2
4	16-024-110		SPACER, 2000 SPINDLE BUSHING	1
5	16-024-111		COLLAR, 2000 LA SPINDLE	1
6	16-050-032		ROLL PIN, 3/8 X 3 1/2	1
7	16-024-112		THRUST WASHER, 2000 LA SPINDLE	1
8	16-080-183		FORK, 2000 CASTOR WHEEL	1
11	02-051-043		FLANGE, HEAVY DUTY 72 MS 3-HOLE	4
12	02-051-042		BEARING, 1 3/8	2
13	52-050045		CARRIAGE BOLT, 3/8 X 1 1/2 G5 PLT	6
14	66-010150		LOCKWASHER, 3/8 PLT	6
15	68-010150		HEXNUT, 3/8 PLT	6
16	16-080-186		AXLE, 2000 LIFT ASSIST WHEEL	1
17	16-081-023		TIRE & RIM ASSY	1
	16-058-008		TIRE, 11L-15SL FARM	-
	11-081-012		WHEEL, 15 X 8/ CAUTION	-
	18-050-021		STEM, VALVE	-
18	52-050180		CARRIAGE BOLT, 1/2 X 2 1/4 G5 PLT	6
19	66-010250		LOCKWASHER, 1/2 PLT	6
20	68-010250		HEXNUT, 1/2 PLT	6



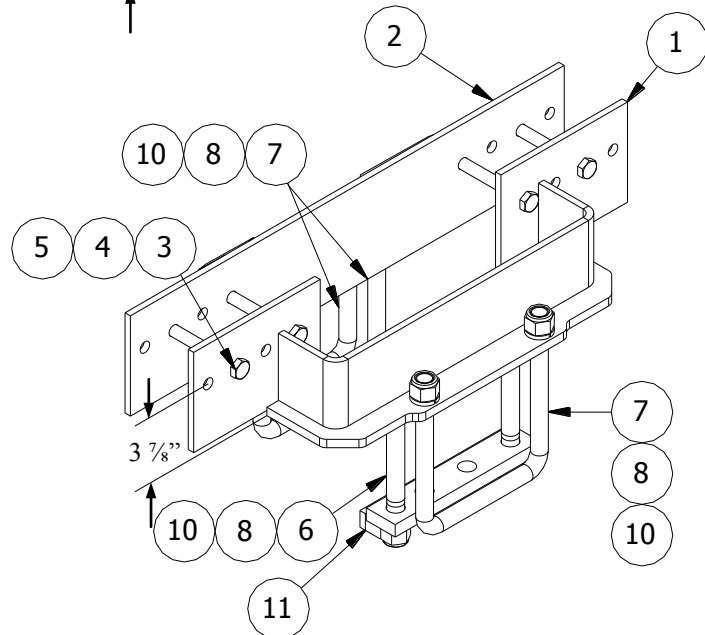
30" EXTENSION
(70-082-006)

ITEM	PART NO,	SERIAL NO. OR YR.	DESCRIPTION	QTY
1	70-080-012		EXTENSION, 30"	1
2	48-200046		CAPSCREW, 3/4 X 2 1/4 G8 PLT	6
3	66-010350		LOCKWASHER, 3/4 PLT	6
4	72-010150		LOCKNUT, 3/4 STOVER G"B" PLT	6

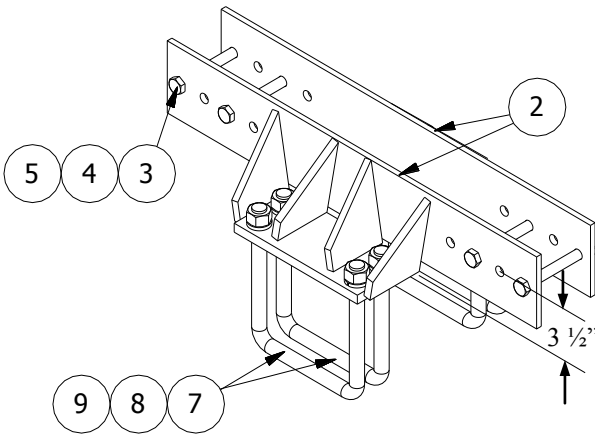
**STANDARD
PLANTER SUPPORT**
(16-082-235)



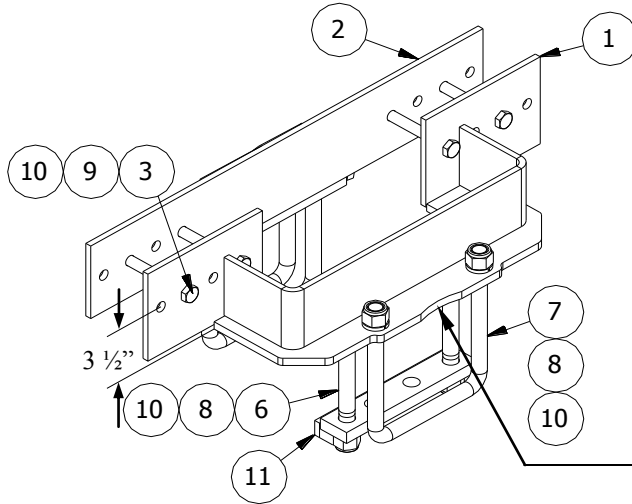
**NARROW OFFSET
PLANTER BRACKET**
(16-082-236)



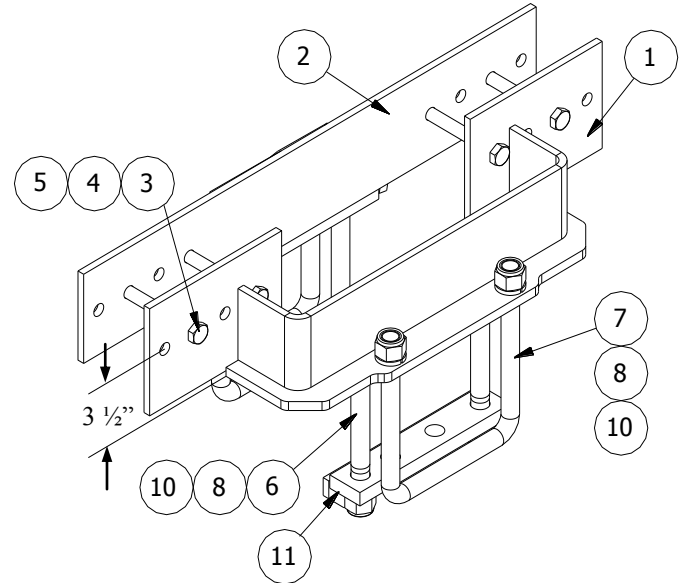
ITEM	PART NO,	SERIAL NO. OR YR.	DESCRIPTION	QTY	
				-235	-236
1	16-080-456		BRACKET, NARROW J.D. PLANTER	-	1
2	16-080-448		BRACKET, RT J.D. PLANTER	2	1
3	48-200035		CAPSCREW, 5/8 X 5 1/2 G8 PLT	4	4
4	66-010300		LOCKWASHER, 5/8 PLT	4	4
5	72-020050		LOCKNUT, 5/8 PLT	4	4
6	48-100400		CAPSCREW, 7/8 X 9 1/2 G5 PLT	-	2
7	04-050-075		U-BOLT, 7/8 X 8 3/4 X 7 15/16 G5 PLT	4	3
8	66-010400		LOCKWASHER, 7/8 PLT	8	8
9	68-010400		HEXNUT, 7/8 PLT	8	-
10	72-020115		LOCKNUT, 7/8 NYLON	-	8
11	06-080-128		CAP, 2" COPED T.B.	-	1



**LOWERED OFFSET
PLANTER BRACKET**
(70-082-041)



LOWERED PLANTER BRACKET
(70-082-040)



**LOWERED LARGE
OFFSET BRACKET**
(70-082-044)

USE CUTOUT TO DISTINGUISH BETWEEN
LARGE AND STANDARD OFFSET BRACKETS.

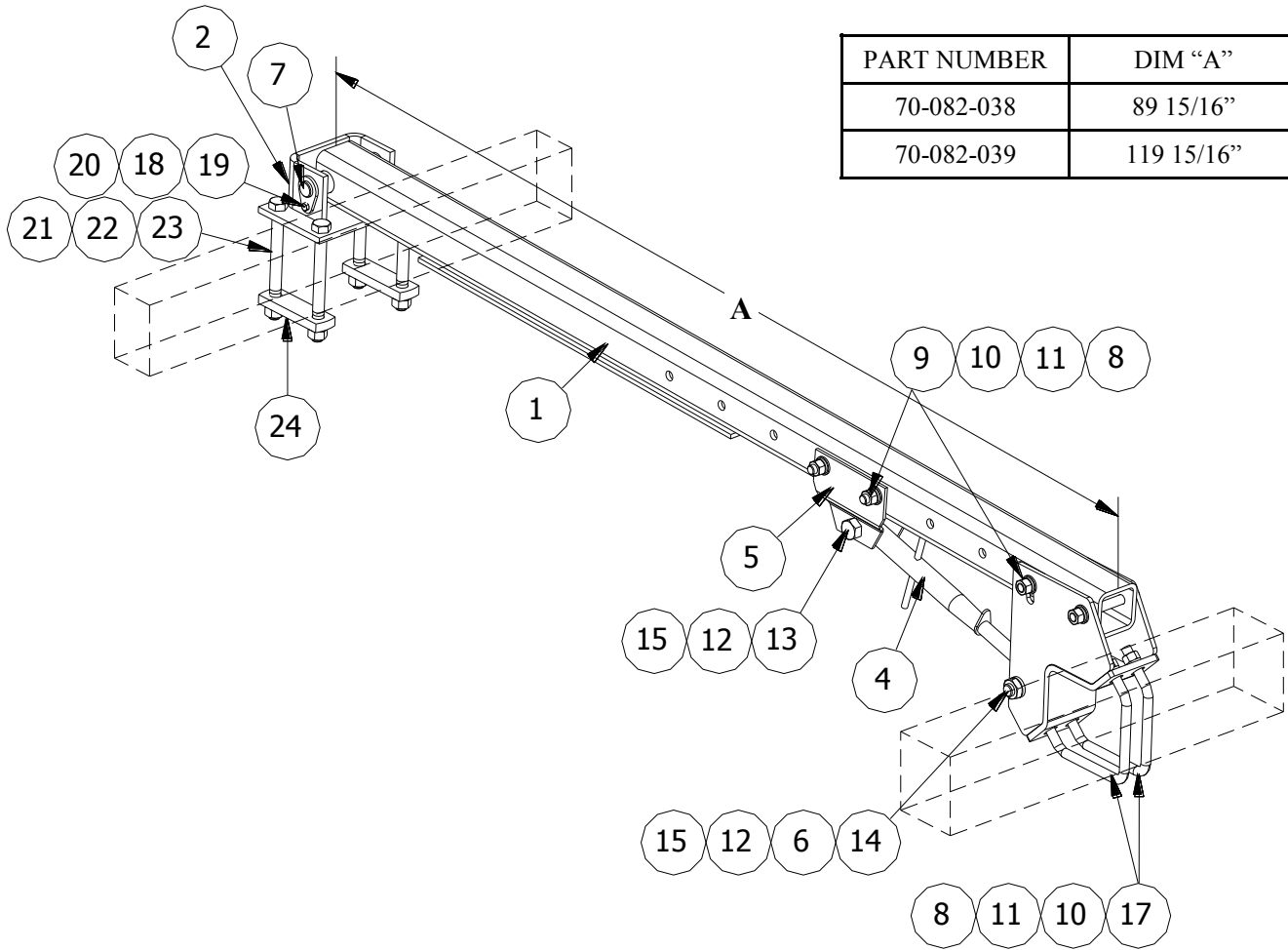
ITEM	PART NO.	SERIAL NO. OR YR.	DESCRIPTION	QTY		
				-040	-041	-044
1	70-080-018		BRACKET, NARROW OFFSET	-	1	-
	70-080-022		BRACKET, LARGE OFFSET	-	-	1
2	70-080-019		BRACKET, STANDARD PLANTER	2	1	1
3	48-200035		CAPSCREW, 5/8 X 5 1/2 G8 PLT	4	4	4
4	66-010300		LOCKWASHER, 5/8 PLT	4	4	4
5	72-020050		STOVER LOCKNUT, 5/8 G"C" PLT	4	4	4
6	48-100400		CAPSCREW, 7/8 X 9 1/2 G5 PLT	-	2	2
7	04-050-075		U-BOLT, 7/8 X 8 3/4 X 7 15/16 G5 P	4	3	3
8	66-010400		LOCKWASHER, 7/8 PLT	8	8	8
9	68-010400		HEXNUT, 7/8 PLT	8	-	-
10	72-020115		LOCKNUT, 7/8 NYLON	-	8	8
11	06-080-128		CAP, 2" COPED T.B.	-	1	1

SHORT PLANTER REACH

(70-082-038)

LONG PLANTER REACH

(70-082-039)



PART NUMBER	DIM "A"
70-082-038	89 15/16"
70-082-039	119 15/16"

ITEM	PART NO,	SERIAL NO. OR YR.	DESCRIPTION	QTY	
				-038	-039
1	70-080-015		BEAM, SHORT PLANTER REACH	1	-
	70-080-017		BEAM, LONG PLANTER REACH	-	1
2	70-080-013		BRACKET, PLANTER REACH MOUNT	1	1
3	70-080-014		BRACKET, PLANTER REACH ADJ	1	1
4	67-050-004		TURNBUCKLE, CAT II (21"- 31")	1	1
5	70-027-012		PLATE, TURNBUCKLE ADJ	2	2
6	70-024-013		SPACER, TURNBUCKLE	1	1
7	70-080-016		PIN, FRONT PIVOT	1	1
8	62-020045		FLATWASHER, 3/4 SAE PLT	12	12
9	48-100050		CAPSCREW, 3/4 X 6 G5 PLT	4	4
10	66-010350		LOCKWASHER, 3/4 PLT	8	8

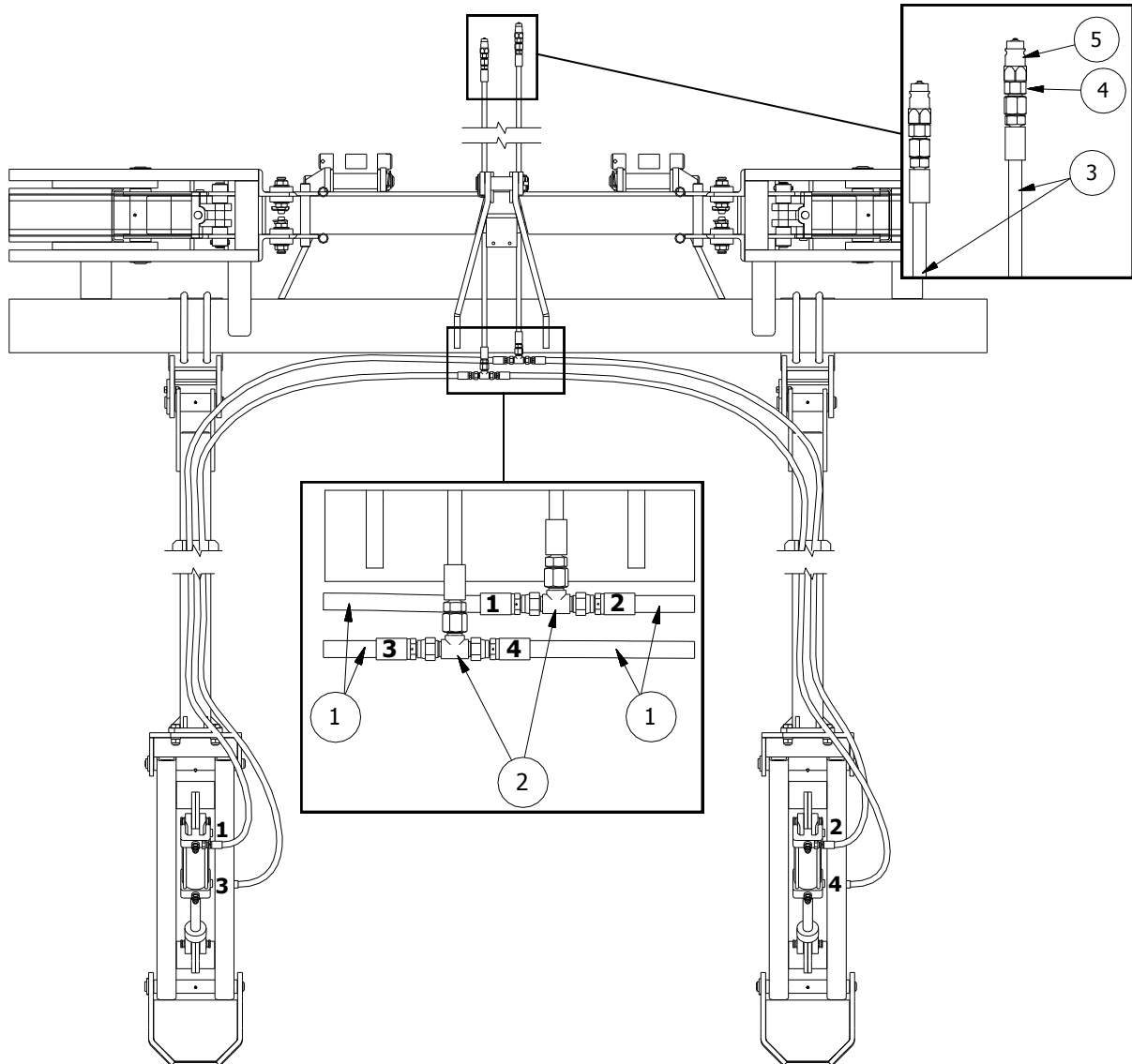
ITEM	PART NO,	SERIAL NO. OR YR.	DESCRIPTION	QTY	
				-038	-039
11	68-010350		HEXNUT, 3/4 PLT	8	8
12	66-010450		LOCKWASHER, 1 PLT	2	2
13	48-100500		CAPSCREW, 1 X 3 3/4 G5 PLT	1	1
14	48-100615		CAPSCREW, 1 X 6 G5 PLT	1	1
15	70-010250		JAMNUT, 1 HEX	2	2
16	02-050-005		GREASE FITTING, 1/4-28 STRT	1	1
17	67-050-015		VEE BOLT, 3/4 X 7 X 7 G8 PLT	2	2
18	62-010100		FLATWASHER, 3/8 STD PLT	1	1
19	72-010050		STOVER LOCKNUT, 3/8 G"B" PLT	1	1
20	48-090150		CAPSCREW, 3/8 X 1 1/4 G5 PLT	1	1
21	68-010400		HEXNUT, 7/8 PLT	4	4
22	66-010400		LOCKWASHER, 7/8 PLT	4	4
23	48-100400		CAPSCREW, 7/8 X 9 1/2 G5 PLT	4	4
24	06-023-058		CAP, HITCH	2	2

DUAL LIFT ASISST HOSE BUNDLE

95"
(70-082-010)

130"
(70-082-011)

160"
(70-082-012)



ITEM	PART NO,	SERIAL NO. OR YR.	DESCRIPTION	QTY		
				95"	130"	160"
1	08-059-010		HOSE, 6M3K-8FJX-8FJX-190"	4	-	-
	70-059-001		HOSE, 6M3K-8FJX-8FJX-225"	-	4	-
	11-059-013		HOSE, 6M3K-8FJX-8FJX-240"	-	-	4
2	33-059-091		ADAPTER, 8MJ-8MJ-8MJ	2	2	2
3	51-059-002		HOSE, 6M3K-8FJX-8FJX-80"	2	2	2
4	49-059-001		ADAPTER, 8MJ-8MP	2	2	2
5	47-059-002		QUICK COUPLER, 1/2"	2	2	2
*6	02-050-088		STRAP, TIE DOWN	14	14	14

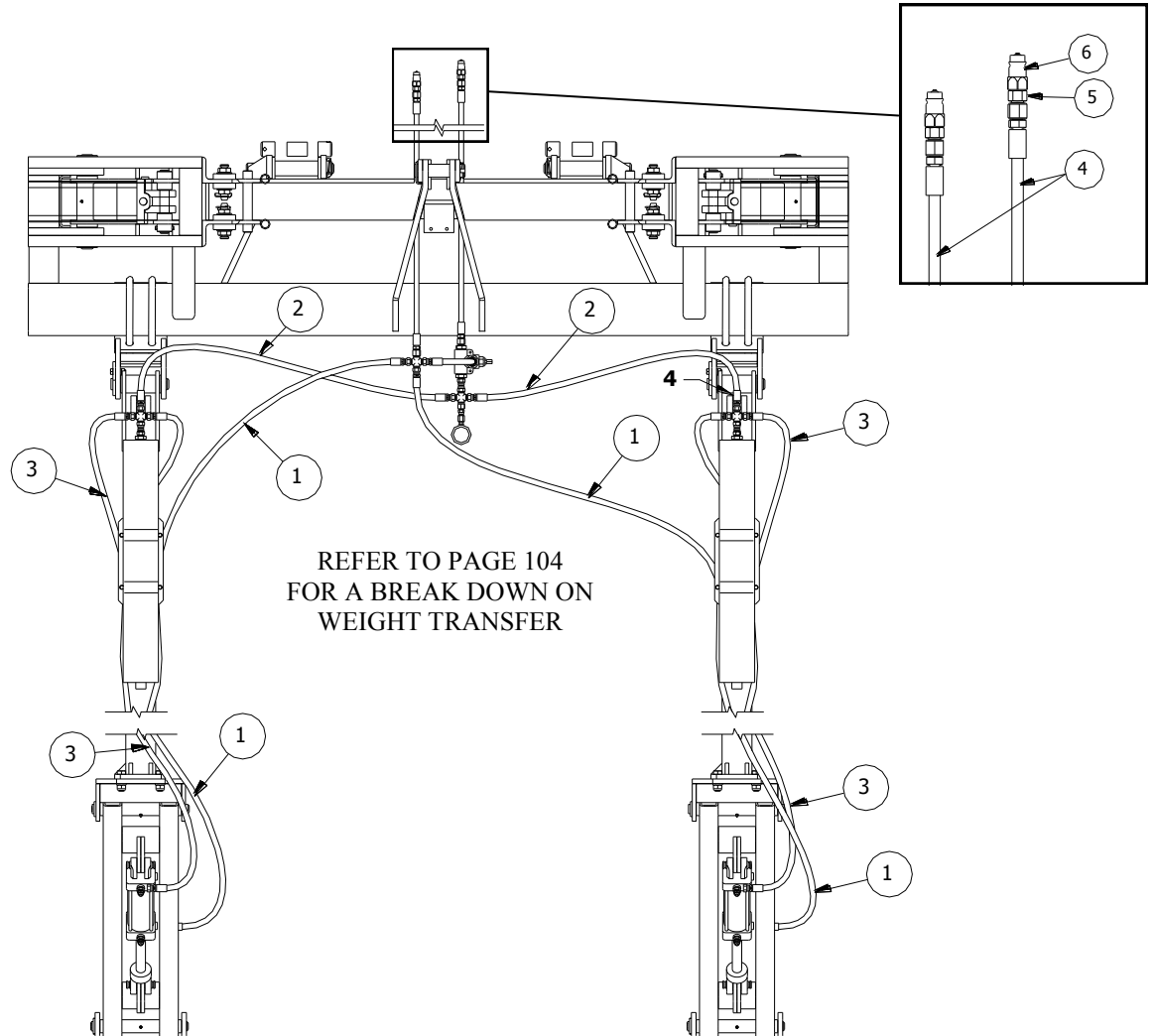
* Not shown

DUAL LIFT ASISST WEIGHT TRANSFER HOSE BUNDLE

95"
(70-082-013)

130"
(70-082-014)

160"
(70-082-015)



ITEM	PART NO,	SERIAL NO. OR YR.	DESCRIPTION	QTY		
				95"	130"	160"
1	08-059-010		HOSE, 6M3K-8FJX-8FJX-190"	2	--	-
	70-059-001		HOSE, 6M3K-8FJX-8FJX-225"	-	2	-
	11-059-013		HOSE, 6M3K-8FJX-8FJX-240"	-	-	2
2	49-059-005		HOSE, 6M3K-8FJX-8FJX-65"	2	2	2
3	11-059-012		HOSE, 6M3K-8FJX-8FJX-150"	2	-	-
	51-059-003		HOSE, 6M3K-8FJX-8FJX-175"	-	2	-
	08-059-010		HOSE, 6M3K-8FJX-8FJX-190"	-	-	2
4	51-059-002		HOSE, 6M3K-8FJX-8FJX-80"	2	2	2
5	49-059-001		ADAPTER, 8MJ-8MP	2	2	2
6	47-059-002		QUICK COUPLER, 1/2"	2	2	2
7	02-050-088		STRAP, TIE DOWN	16	16	16

QUAD LIFT ASISST HOSE BUNDLE FOR 30" ROW PATTERN (PRIOR TO JULY 2014)

95"

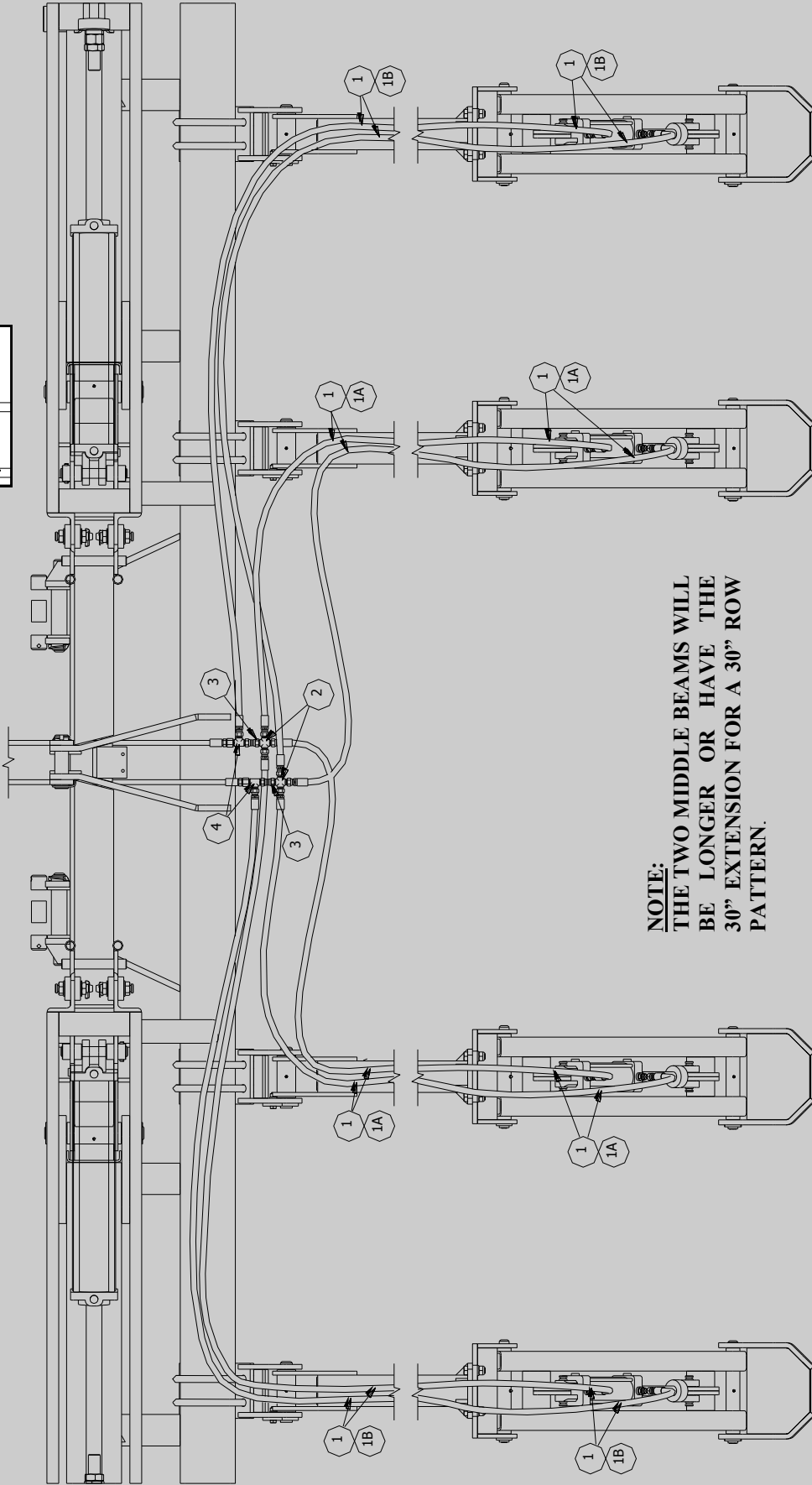
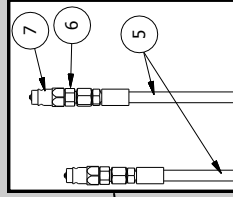
(70-082-016)

130"

(70-082-017)

160"

(70-082-018)



NOTE:
THE TWO MIDDLE BEAMS WILL
BE LONGER OR HAVE THE
30" EXTENSION FOR A 30" ROW
PATTERN.

ITEM	PART NO,	SERIAL NO. OR YR.	DESCRIPTION	QTY		
				95"	130"	160"
1	70-059-001		HOSE, 6M3K-8FJX-8FJX-225"	8	-	-
	11-059-013		HOSE, 6M3K-8FJX-8FJX-240"	-	8	-
	70-059-002		HOSE, 6M3K-8FJX-8FJX-260"	-	-	8
2	51-059-001		ADAPTER, 8MJ-8MJ-8MJ-8MJ	2	2	2
3	16-059-003		ADAPTER, 8FJX-8FJX	2	2	2
4	33-059-091		ADAPTER, 8MJ-8MJ-8MJ	2	2	2
5	51-059-002		HOSE, 6M3K-8FJX-8FJX-80"	2	2	2
6	49-059-001		ADAPTER, 8MJ-8MP	2	2	2
7	47-059-002		QUICK COUPLER, 1/2"	2	2	2
8	02-050-088		STRAP, TIE DOWN	28	28	28

QUAD LIFT ASISST HOSE BUNDLE FOR 36" -40" ROW PATTERN

95" **130"** **160"**
(70-082-019) (70-082-020) (70-082-021)

ITEM	PART NO,	SERIAL NO. OR YR.	DESCRIPTION	QTY		
				95"	130"	160"
1A	70-059-001		HOSE, 6M3K-8FJX-8FJX-225"	4	4	-
	11-059-013		HOSE, 6M3K-8FJX-8FJX-240"	-	-	4
1B	08-059-010		HOSE, 6M3K-8FJX-8FJX-190"	4	-	-
	70-059-002		HOSE, 6M3K-8FJX-8FJX-260"	-	4	-
	49-059-007		HOSE, 6M3K-8FJX-8FJX-280"	-	-	4
2	51-059-001		ADAPTER, 8MJ-8MJ-8MJ-8MJ	2	2	2
3	16-059-003		ADAPTER, 8FJX-8FJX	2	2	2
4	33-059-091		ADAPTER, 8MJ-8MJ-8MJ	2	2	2
5	51-059-002		HOSE, 6M3K-8FJX-8FJX-80"	2	2	2
6	49-059-001		ADAPTER, 8MJ-8MP	2	2	2
7	47-059-002		QUICK COUPLER, 1/2"	2	2	2
8	02-050-088		STRAP, TIE DOWN	28	28	28

QUAD LIFT ASSIST HOSE BUNDLE W/WEIGHT TRANSFER (PRIOR TO JULY 2014)

FOR 30" ROW PATTERNS

95"

(70-082-022)

130"

(70-082-023)

160"

(70-082-024)

95"

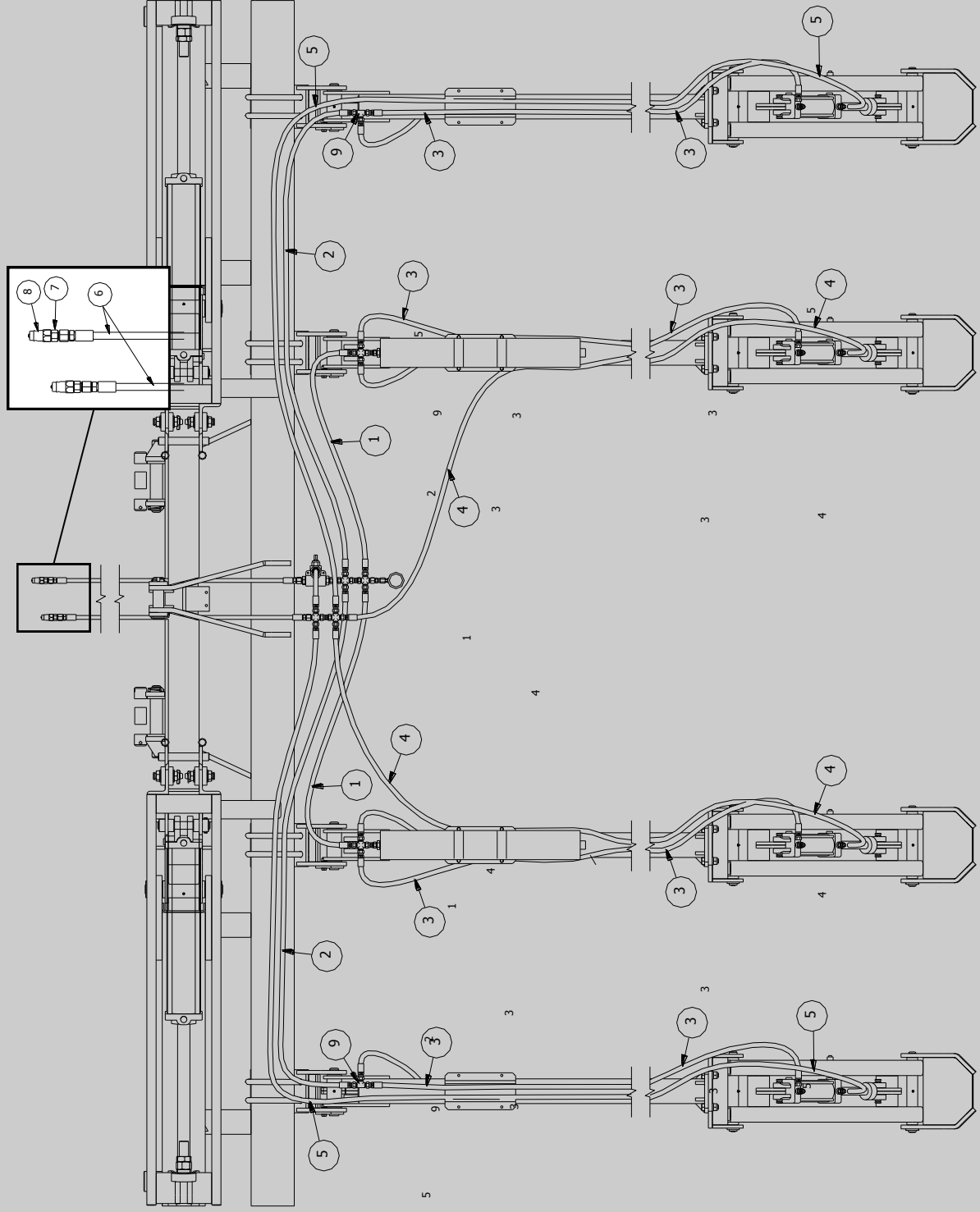
(70-082-025)

130"

(70-082-026)

160"

(70-082-027)



ITEM	PART NO,	SERIAL NO. OR YR.	DESCRIPTION	QTY						
				30"			36"-40"			
				95"	130"	160"	95"	130"	160"	
1	49-059-005		HOSE, 6M3K-8FJX-8FJX-65"	2	2	2	2	2	2	2
2	42-059-032		HOSE, 6M3K-8FJX-8FJX-85"	2	2	2	-	-	-	-
	42-059-040		HOSE, 6M3K-8FJX-8FJX-115"	-	-	-	2	2	2	2
3	11-059-012		HOSE, 6M3K-8FJX-8FJX-150"	-	-	-	4	-	-	-
	51-059-003		HOSE, 6M3K-8FJX-8FJX-175"	2	-	-	-	4	-	-
	08-059-010		HOSE, 6M3K-8FJX-8FJX-190"	-	2	-	-	-	-	4
	70-059-001		HOSE, 6M3K-8FJX-8FJX-225"	-	-	2	-	-	-	-
4	11-059-012		HOSE, 6M3K-8FJX-8FJX-150"	2	-	-	-	-	-	-
	51-059-003		HOSE, 6M3K-8FJX-8FJX-175"	-	2	-	-	-	-	-
	08-059-010		HOSE, 6M3K-8FJX-8FJX-190"	-	-	2	2	-	-	-
	70-059-001		HOSE, 6M3K-8FJX-8FJX-225"	-	-	-	-	-	2	-
	11-059-013		HOSE, 6M3K-8FJX-8FJX-240"	-	-	-	-	-	-	2
5	70-059-001		HOSE, 6M3K-8FJX-8FJX-225"	2	-	-	2	-	-	-
	11-059-013		HOSE, 6M3K-8FJX-8FJX-240"	-	4	-	-	-	-	-
	70-059-002		HOSE, 6M3K-8FJX-8FJX-260"	-	-	4	-	2	-	-
	49-059-007		HOSE, 6M3K-8FJX-8FJX-280"	-	-	-	-	-	-	2
6	51-059-002		HOSE, 6M3K-8FJX-8FJX-80"	2	2	2	2	2	2	2
7	49-059-001		ADAPTER, 8MJ-8MP	2	2	2	2	2	2	2
8	47-059-002		QUICK COUPLER, 1/2"	2	2	2	2	2	2	2
9	33-059-091		ADAPTER, 8MJ-8MJ-8MJ	2	2	2	2	2	2	2
10	02-050-088		STRAP, TIE DOWN	32	32	32	32	32	32	32

QUAD LIFT ASISST HOSE BUNDLE W/WEIGHT TRANSFER (2014 TO PRESENT)

FOR 30"-40" ROW PATTERNS

SHRT

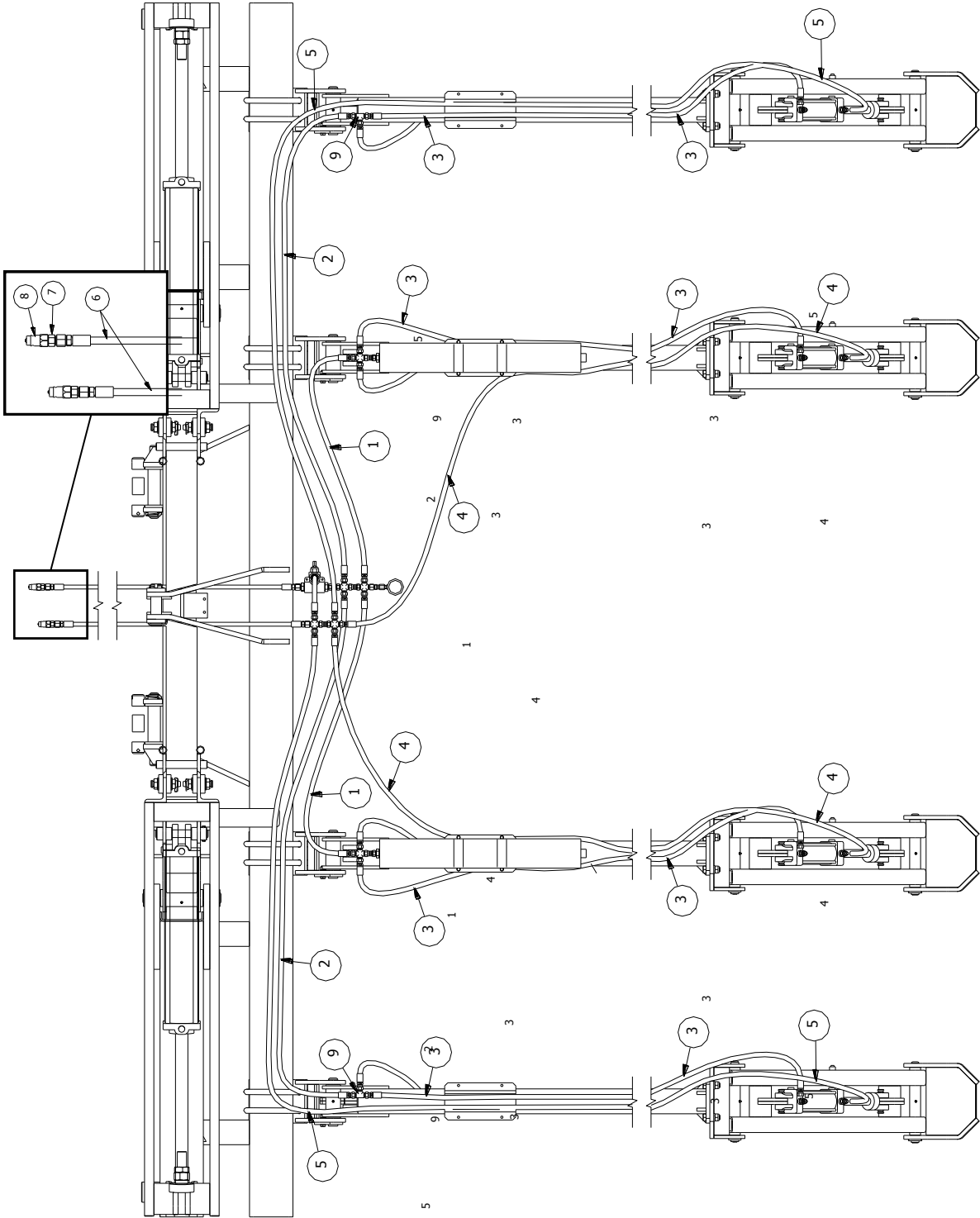
(70-082-045)

MID

(70-082-046)

LNG

(70-082-047)

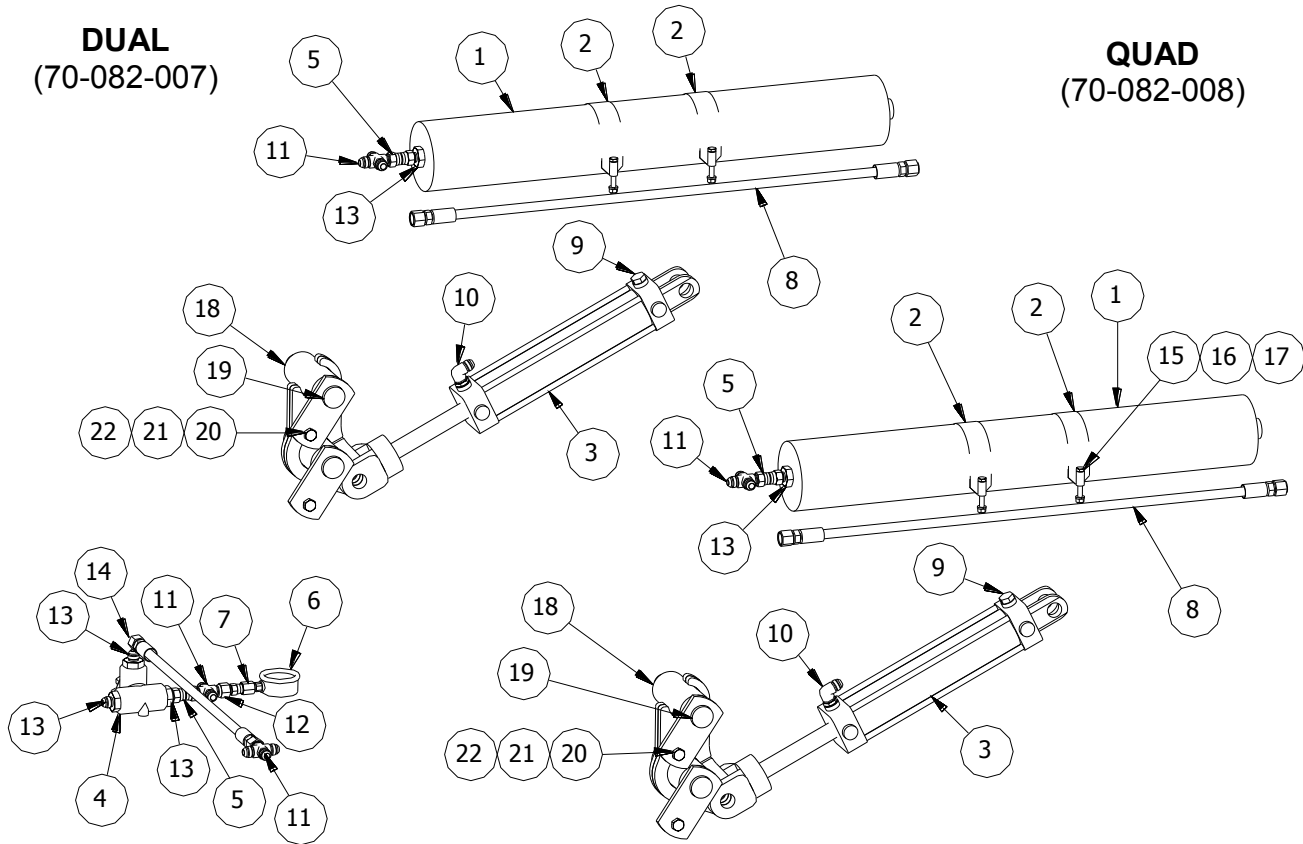


ITEM	PART NO,	SERIAL NO. OR YR.	DESCRIPTION	QTY		
				30" - 40"		
				SHRT	MID	LNG
1	49-059-005		HOSE, 6M3K-8FJX-8FJX-65"	2	2	2
2	42-059-040		HOSE, 6M3K-8FJX-8FJX-115"	2	2	2
3	51-059-003		HOSE, 6M3K-8FJX-8FJX-175"	2	-	-
	08-059-010		HOSE, 6M3K-8FJX-8FJX-190"	-	2	-
	70-059-001		HOSE, 6M3K-8FJX-8FJX- 225"	-	-	2
4	11-059-012		HOSE, 6M3K-8FJX-8FJX- 150"	2	-	-
	51-059-003		HOSE, 6M3K-8FJX-8FJX- 175"	-	2	-
	08-059-010		HOSE, 6M3K-8FJX-8FJX-190"	-	-	2
5	70-059-001		HOSE, 6M3K-8FJX-8FJX-225"	4	-	-
	11-059-013		HOSE, 6M3K-8FJX-8FJX-240"	-	4	-
	49-059-007		HOSE, 6M3K-8FJX-8FJX-280"	-	-	4
6	51-059-002		HOSE, 6M3K-8FJX-8FJX- 80"	2	2	2
7	49-059-001		ADAPTER, 8MJ-8MP	2	2	2
8	47-059-002		QUICK COUPLER, 1/2"	2	2	2
9	33-059-091		ADAPTER, 8MJ-8MJ-8MJ	2	2	2
10	02-050-088		STRAP, TIE DOWN	32	32	32

LIFT ASSIST WEIGHT TRANSFER

DUAL
(70-082-007)

QUAD
(70-082-008)



ITEM	PART NO.	SERIAL NO. OR YR.	DESCRIPTION	QTY	
				DUAL	QUAD
1	16-061-073		ACCUMULATOR, 1 1/2 GAL-#12 ORB	2	2
2	11-080-114		BAND, ACCUMULATOR	4	4
3	16-061-068	(-2014)	HYDRAULIC CYLINDER, 2 1/2 X 10	(2)	(4)
	16-061-117	(2015-)	HYDRAULIC CYLINDER, 2.5 X 10	2	4
4	11-061-068		VALVE, RELIEF #12 ORB	1	1
5	16-059-003		ADAPTER, 8FJX-8FJX	3	5
6	33-061-079		PRESSURE GAUGE, 3000 PSI	1	1
7	16-059-005		ADAPTER, 4MP-6FJX	1	1
8	11-059-011		HOSE, 6M3K-8FJX-8FJX-36"	2	4
9	21-061-056		BREATHER PLUG, 3/4-16	2	4
10	33-059-020		ADAPTER, 8MB-8MJ-90	2	4
11	51-059-001		ADAPTER, 8MJ-8MJ-8MJ-8MJ	4	6
12	16-059-004		ADAPTER, 8FJ-6MJ	1	1
13	16-059-006		ADAPTER, STR-8MJ-12MB	5	5
14	33-059-099		HOSE, 6M3K-8FJX-8FJX-24"	1	1
15	48-090050		CAPSCREW, 5/16 X 2 1/2 G5 P	8	8

ITEM	PART NO.	SERIAL NO. OR YR.	DESCRIPTION	QTY	
				DUAL	QUAD
16	66-010100		LOCKWASHER, 5/16 PLT	8	8
17	68-010100		HEXNUT, 5/16 PLT	8	8
18	70-080-004		CYL BRACKET	2	2
19	70-080-003		PIN, FRONT ADJ	4	4
20	48-090596		CAPSCREW, 1/2 X 1 3/4	4	4
21	66-010250		LOCKWASHER, 1/2	4	4
22	68-010250		HEXNUT, 1/2	4	4

1 1/2 GALLON (#12 O-RING) ACCUMULATOR
(16-061-073)

BREAKDOWN
NOT
AVAILABLE

2.5 X 10 X 1.125 HYDRAULIC CYLINDER (BAILEY)

(16-061-117)

Bailey's Hydraulic Cylinder (16-061-117) will replace Energy's Hydraulic Cylinder (16-061-068).
Bailey will not sale any repair parts except for a Seal Kit.

USE SEAL KIT # 16-061-121

3 X 6 X 1.25 HYDRAULIC CYLINDER (BAILEY)

(33-061-203)

Bailey's Hydraulic Cylinder (33-061-203) will replace Energy's Hydraulic Cylinder (33-061-120).
Bailey will not sale any repair parts except for a Seal Kit.

USE SEAL KIT # 33-061-211

The following is a list of serial numbers issued to our machines at the beginning of each year. To determine when a unit was made, find the range within which the particular serial number falls. It would have been produced between January 1 to December 31 of that year.

YEAR	SERIAL NUMBERS
2013	85093-86418
2014	86419-87790
2015	87791-89096
2016	89097-



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