

# ASSEMBLY AND PARTS LIST MANUAL



# FRAME MOUNT AUGER MOVER

# **DECLARATION OF CONFORMITY**

We the Manufacturer:

Meridian Manufacturing Inc.
PO Box 1996 2800 Pasqua Street North
Regina, Sk,Canada
S4P 3E1

Declare the Movers listed below conform to the 2006/42/EC Machinery Directive

Frame Mount Mover Series

WFN 3489-3494

The Meridian Mover Frame Mount is designed for the movement of Grain and Cereal Augers.

#### **GENERAL**

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### **GENERAL**

# MERIDIAN GRAIN EQUIPMENT SIGN OFF SHEET

As a requirement of OSHA, it is necessary for the employer to train the employee in the safe operation and safety procedures with this equipment. We include this sign-off sheet for your convenience and personal record keeping.

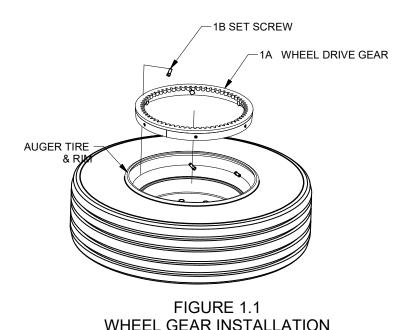
DATE	EMPLOYER SIGNATURE	EMPLOYEE SIGNATURE

## WHEEL DRIVE ASSEMBLY

Jack up auger. Support with a jack stand or other suitable blocking device. Remove one of the wheel assemblies.

Place tire and rim assembly on a level surface. Place the wheel drive gear (1A) on the inside of the auger rim with the gear facing up as shown. (Figure 1.1)

Using a 3/8" - 12 point socket, start to tighten the six set screws in a cross pattern (Figure 1.2), ensuring the wheel gear remains centered in the rim. Torque set screw to approximately 12 ft lbs.



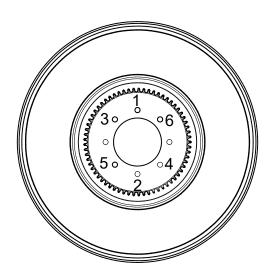


FIGURE 1.2 TORQUE ORDER

Replace the auger wheel and rim assembly complete with the wheel drive gear. Install wheel bolts and torque to 75-80 ft lbs. Place the over center hydraulic drive assembly on the auger axle. Align the gears from the wheel gear with the drive gear

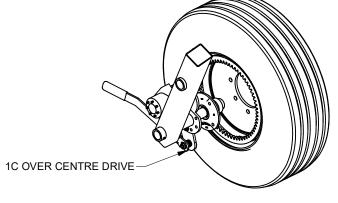


FIGURE 1.3 WHEEL DRIVE

Make sure that there is sufficient gear engagement between the drive gear and the wheel gear and that they are parallel with each other and 90° to the auger axle. The drive gear is 3/8" wider than the wheel gear. When installing, the drive gear surface should offset from the wheel gear by 3/16" on each side.

Double check gear alignment and gear engagement after moving into the over center position.

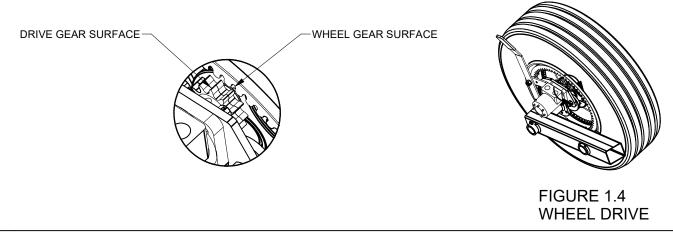
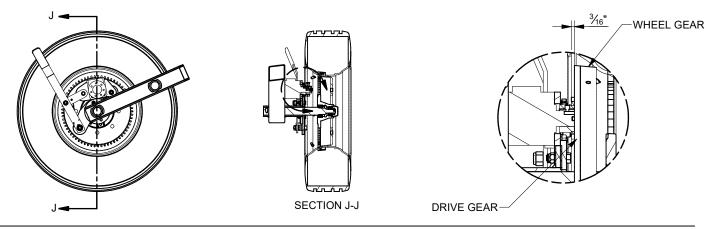
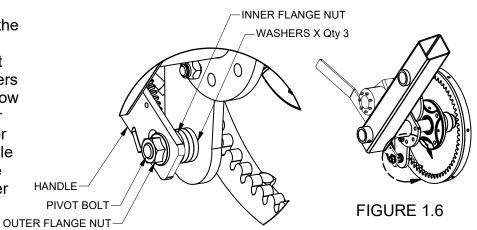


FIGURE 1.5 WHEEL GEAR TO DRIVE GEAR ENGAGEMENT

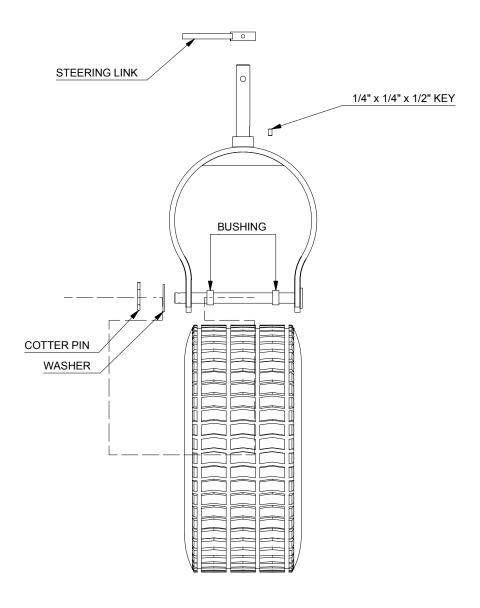


Once assembly is complete, recheck gear engagement. If more engagement is required, the outer 1/2" flange nut can be loosened at the bottom of the handle. The 1" slot in the bottom of the handle will allow the handle to be lifted up which will mesh the drive gear deeper into the wheel gear.

Retighten hardware by holding the pivot bolt secure with a wrench. Tighten the inner 1/2" flange nut against the three stacked washers and then back off half turn to allow free play of pivot bolt in the over center bracket. Tighten the outer 1/2" flange nut against the handle to 70 ft-lbs. Check to ensure the pivot bolt pivots freely in the over center bracket

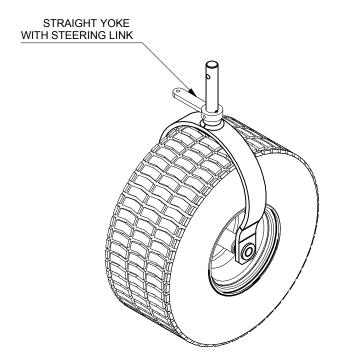


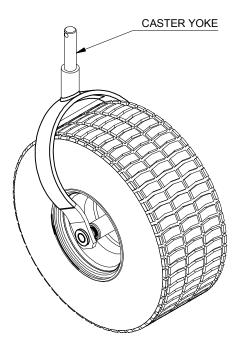
## WHEEL & YOKE ASSEMBLY



On the straight yoke, install the  $\frac{1}{2}$ " x  $\frac{1}{2}$ " key and the steering link. Install the tire and rim into the yoke. Place one bushing between one side of the wheel rim and the yoke arm. Install the axle pin so that it goes through the first half of the wheel and just starts into the second half wheel bearing. Install the second bushing between the opposite side of the wheel and yoke and push pin the rest of the way through. Install the washer and cotter pin. **Note: The caster yokes do not use the steering links or keys.** 

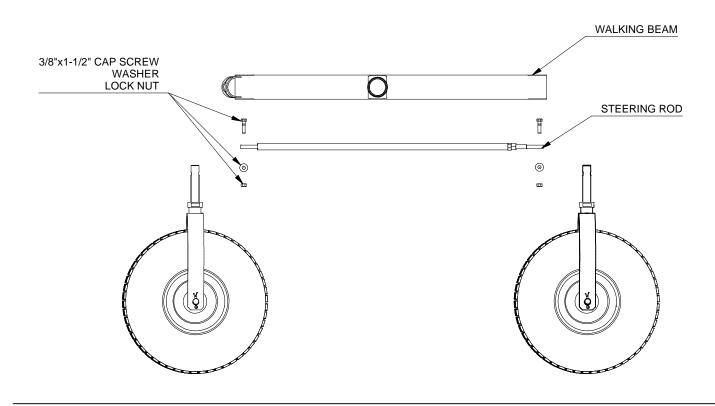
When complete, you will have two straight yoke/wheel assemblies with steering links and two caster yoke/wheel assemblies without steering links.

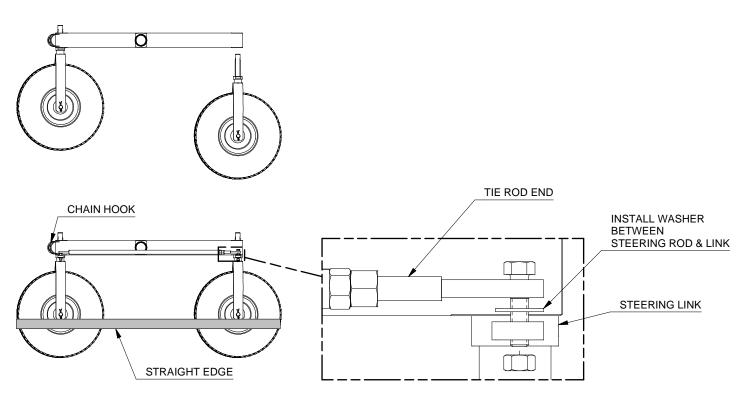




# WALKING BEAM ASSEMBLY

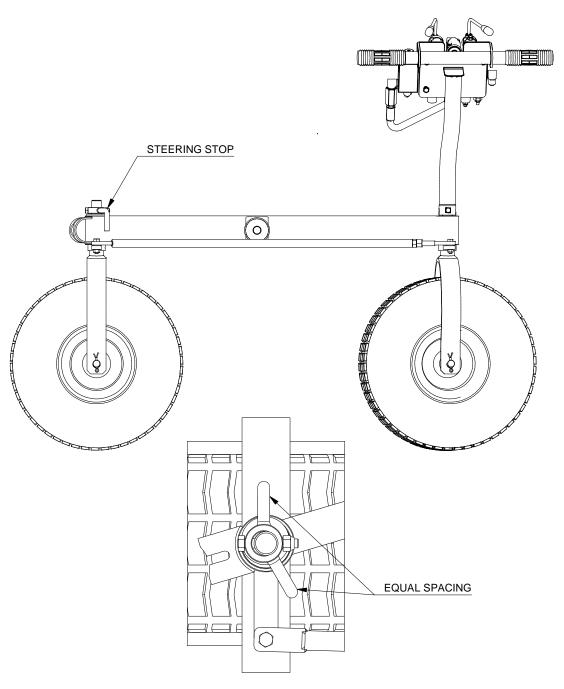
## Walking Beam Assembly (Left Hand)





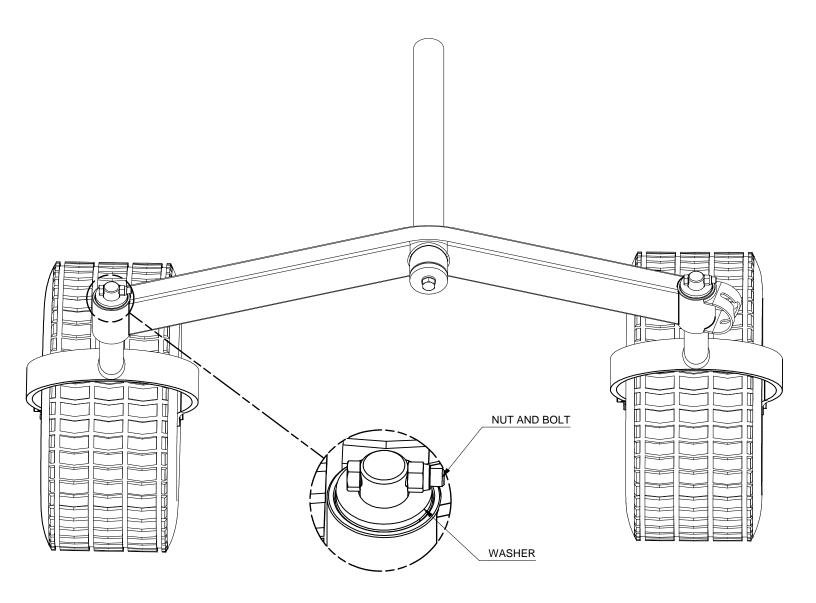
Install the non-adjustable end of steering bar at the chain hook end of walking beam. Place a 3/8 SAE flat washer between the steering bar and steering link. Insert a  $3/8 \times 1-1/2$ " cap screw through the steering bar, washer and thread into the steering link all the way, then back it out 3/4 turn and install and tighten lock nut. Place a straight edge across the sides of the tires and adjust the tie rod end until the wheels are parallel. Insert the  $3/8 \times 1-1/2$ " cap screw through the tie rod end of steering bar, the SAE washer, and in to the steering link. Thread in completely and back out 3/4 turn, then install and tighten the lock nut. Use two 3/4" wrenches to tighten the steering rod end jam nut.

Note: When tightening the lock nuts under the steering link, be sure to hold the cap screw secure to prevent it from moving from the 3/4 turn adjustment otherwise the steering may become tight.



## Walking Beam Assembly (Right Hand)

The Right Hand walking beam is assembled using two caster yoke wheel assemblies. The caster yokes are both secured with through bolts. After inserting each caster yoke, it is imperative to <u>securely tighten</u> the nut and bolt



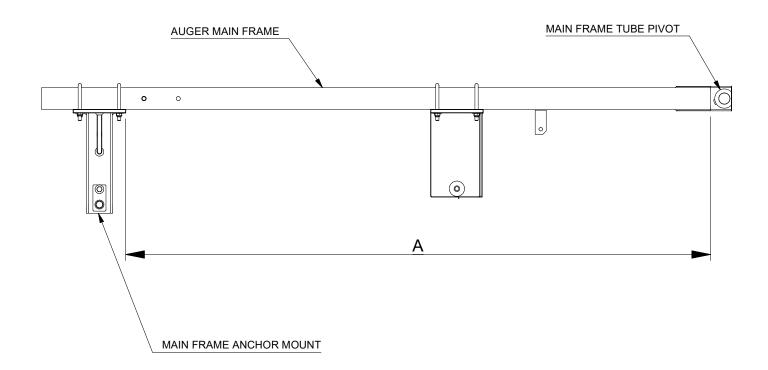
## LIFT ASSEMBLY

### **Anchor**

In order to attain proper lift frame placement, please refer to the Anchor Placement Chart.

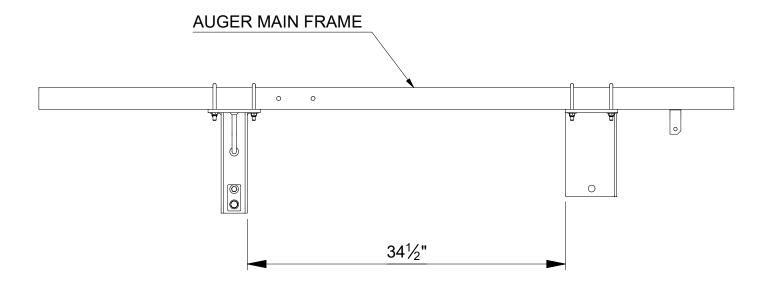
Anchor Placement Chart		
Auger Length	Dimension A	
33'	56-1/2"	
39'	70"	
46'	72-1/2"	
53'	69-1/4"	
59'	91-1/2"	

Measure the required distance for your auger length and mark the frame accordingly. Position the anchor at the locating mark and secure it with 2-1/2" or 3" U-bolts depending on frame size. Two 3/8" flat washers are to be used with each lock nut to retain the U-bolts.



# Cylinder Base

Install the Cylinder Base onto the auger frame approximately 34-1/2" from the Anchor as shown. Use the appropriate U-bolts and hardware. **Do not tighten** the U-bolt hardware at this time.

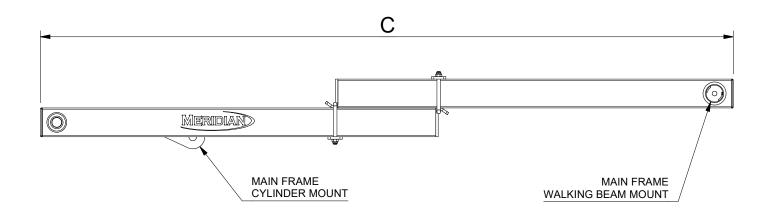


## Cylinder Mount & Walking Beam Mount

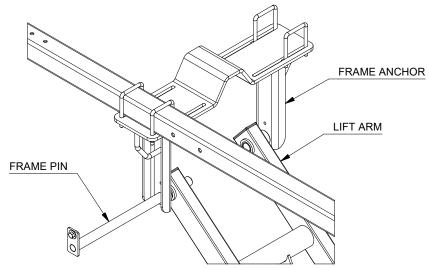
In order to attain proper Lift Frame Length, refer to the Lift Frame Adjustment Chart.

Lift Frame Adjustment Chart		
Auger Length	Dimension C	
33'	57"	
39'	70"	
46'	60"	
53'	73-1/4"	
59'	73-1/4"	

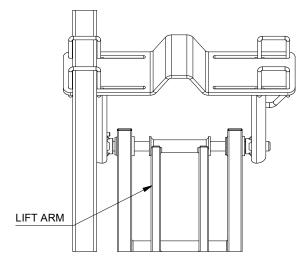
Assemble the Cylinder Mount and Walking Beam Mount as shown below using the 1-1/2" U-bolts, end plates and lock nuts. Adjust the frames to the required length and securely tighten all hardware.



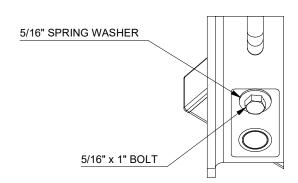
Raise the Lift Frame to the Frame Anchor and insert the frame pin through the first half of both frames.



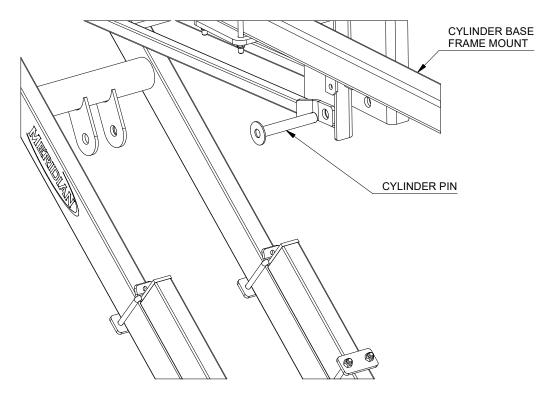
Install the Lift Arm between the Lift Frame and slide the Frame Pin all the way through.



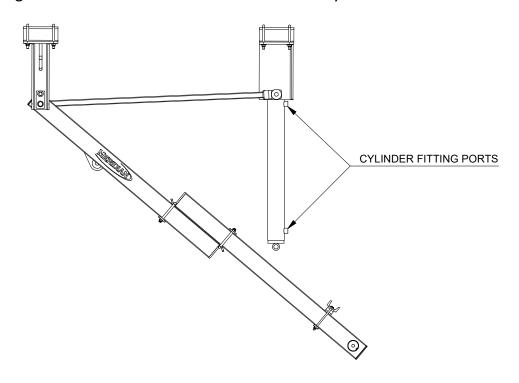
Secure Frame Pin with  $\frac{5}{16}$ " X 1" - NC bolt and  $\frac{5}{16}$ " spring washer.



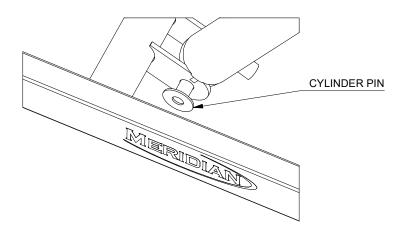
Raise open end of Lift Arm and align with Cylinder Base. The Cylinder Base may need to be repositioned slightly in order to align holes. Start the 3/4" X 5" cylinder pin into the first two holes of Lift Arm and Cylinder Base.



Install base end of the hydraulic cylinder into the Cylinder Base. Note the position of the hydraulic cylinder fitting ports. Push the 3/4" X 5" cylinder pin through the cylinder pin boss and the other side of the Cylinder Base. Install the 3/4" SAE washer and 3/16" X 1-1/2" cotter pin to retain the cylinder pin. Securely tighten all the U-bolts and lock nuts on the Cylinder Base.

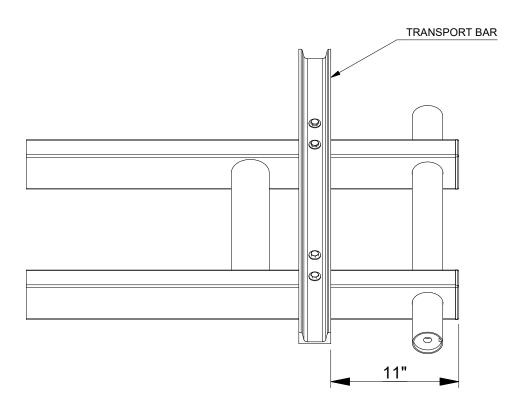


Swing the rod end of the hydraulic cylinder up and align with pin bosses on the Main Frame Cylinder mount. Install the 3/4" X 3-1/2" cylinder pin. Install the 3/4" SAE washer and 3/16" X 1-1/2" cotter pin to retain the cylinder pin.



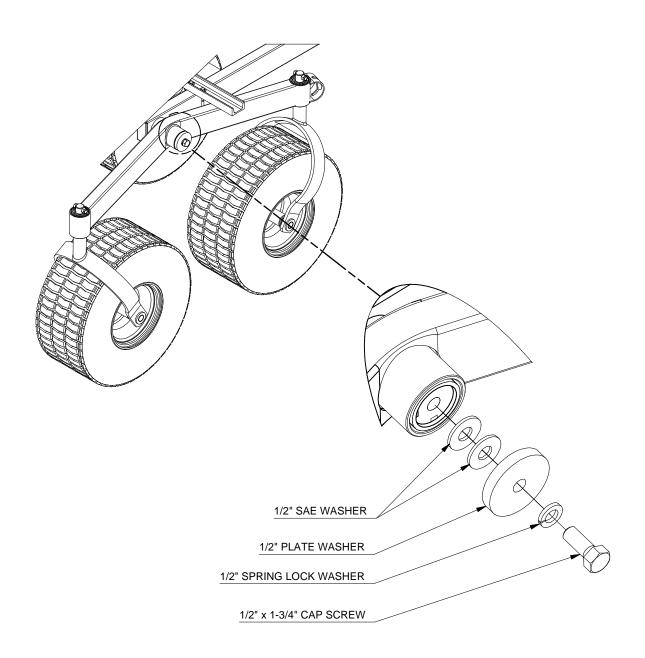
Support the Lift Frame assembly with a hydraulic jack or blocking to provide approximately 22" between the walking beam pin and the floor to aid installation of the walking beams.

Install the transport bar 11 inches from the end of frame.



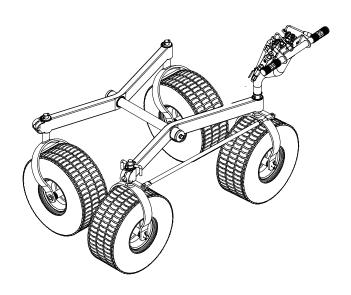
## LIFT & WALKING BEAM ASSEMBLY

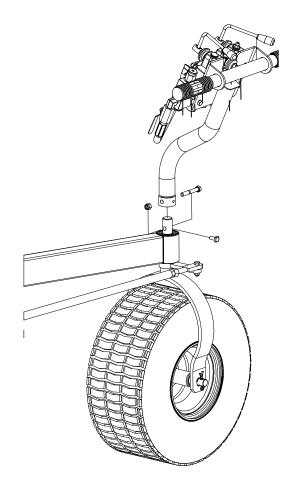
Slide the right hand walking beam onto the right side of the walking beam pin and secure with 1/2" x 1-3/4" cap screw, 1/2" spring washer, 1/2" plate washer and two 1/2" SAE washers. Repeat for left hand side.

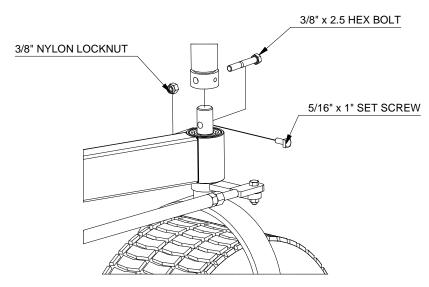


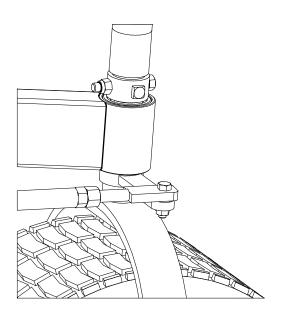
# STEERING COLUMN ASSEMBLY

Install the steering column onto the steering yoke shaft, aligning the holes. Insert the 3/8"-2.5 hex bolt, and securely tighten on the 3/8" nylon locknut. Insert the 5/8" x 1" set screw last and tighten.





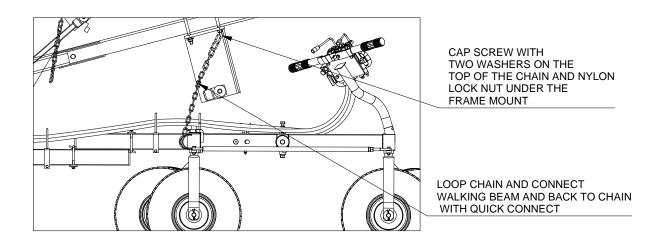




## TRANSPORT CHAIN ASSEMBLY

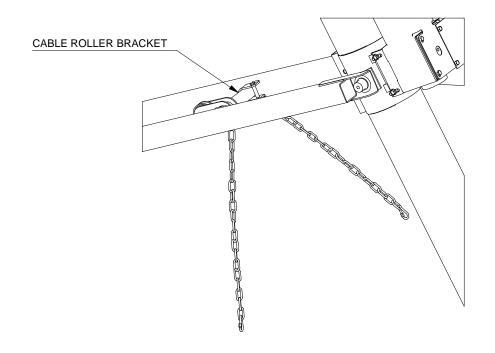
### Transport Chain for 33, 39, 46 and 59 Foot Augers

Secure the two transport chains on each side of the Cylinder Base with a 3/8" x 1-1/4" cap screw, two 3/8" flat washers and 3/8" nylon lock nut. Fasten Quick Link onto the other end of the chain.



## Transport Chain for 53 Foot Augers

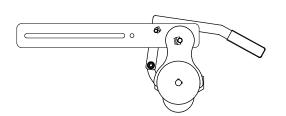
Secure each transport chain with the cable roller bracket retaining pins.



## HYDRAULIC PUMP ASSEMBLY

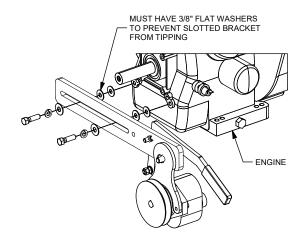
### **Small Block Pump Assembly**

This pump is typically used on engines from 25HP to 35HP.

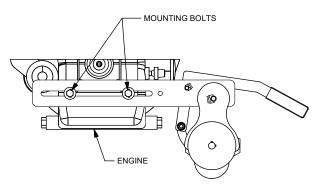


The pump has a slotted bracket that bolts directly to the engine with two 7/16" x 1-1/2" bolts. The entire assembly slides to aid in tensioning the pump belt.

### **Small Block Pump Installation**



To mount the pump, first install a 7/16" lock washer and 7/16" flat washer onto the 7/16" x 1-1/2" bolt. Insert the bolt through the slotted bracket, then install two 3/8" flat washers onto the bolt and insert into the 7/16" engine block mounting holes. Note: there are four 3/8" completely round flat washers to be used on the Vanguard engines. There are four 3/8" flat washers that are nipped off on the edge to fit the Kohler engines.

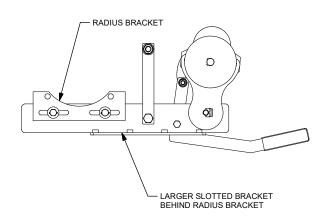


NOTE: BELT NOT SHOWN FOR CLARITY

After installing the engine pump drive pulley, the belt (B-41) can be installed. Provide slight tension to the two mounting bolts, pull back on the pump bracket and then tighten the mounting bolts. This step may need to be repeated until proper belt tension is attained. Preferred tension is 20lbs pull per ¼" belt deflection. Install the belt guard.

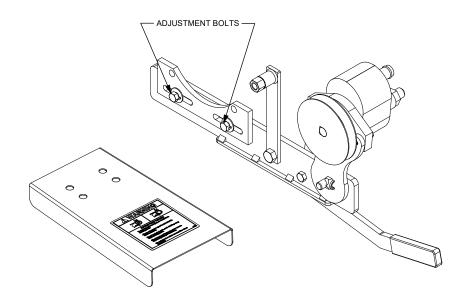
## Big Block Pump Assembly

This pump is only used on the "big block" Kohler engines ranging from 34HP to 40HP.



The big block pump has a small radius mounted stationery bracket that bolts on with two 7/16" x 1-1/2" bolts. It has a larger slotted bracket fastened to the back side of the stationary bracket which allows belt tensioning.

### Big Block Pump Installation

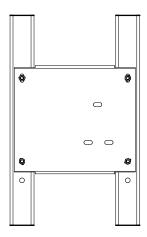


After installing the drive pulley, the belt (BX-34) can be installed. Provide slight tension to the two 3/8" adjustment bolts at the bottom of the radius bracket. Pull back on the pump bracket, tightening the adjustment bolts. This step may be repeated until proper belt tension is attained. Preferred tension is 20lbs per ¼" belt deflection. Install the belt guard.

## HYDRAULIC WINCH ASSEMBLY

### Winch Plate Mounting on 33', 39' & 46'

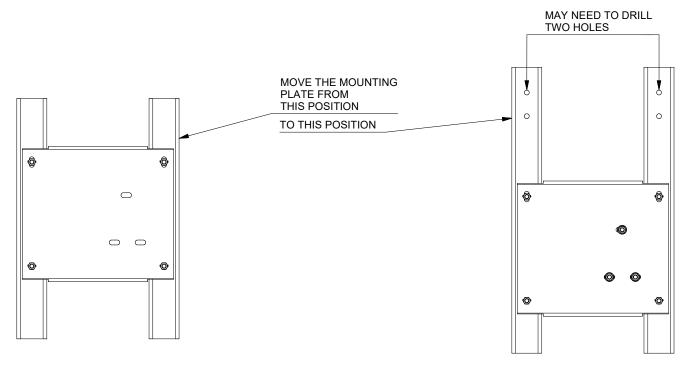
The winch plate must be mounted in the proper location. As there may be more than one set of holes on the 33, 39 & 46 foot augers for mounting the winch, the proper set of holes must be used to mount the winch mounting plate as shown below.



Use the set of holes which position the plate closest to the intake.

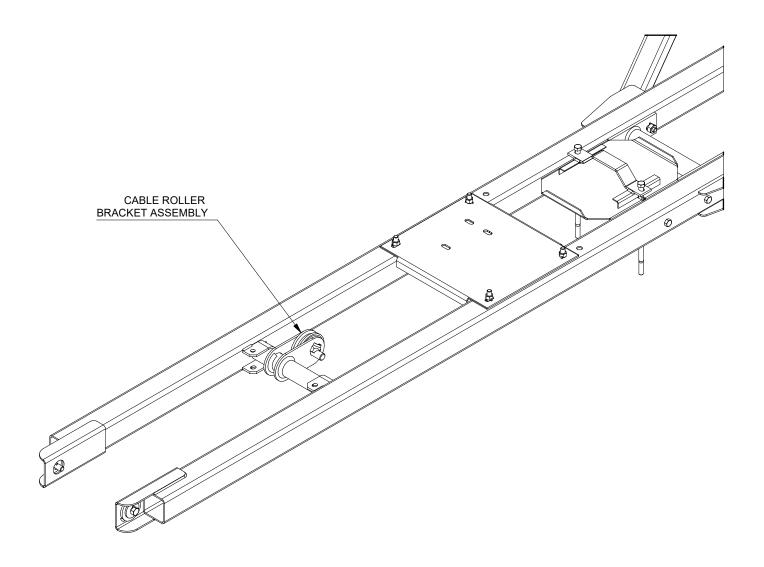
### Winch Plate Mounting on 53' & 59'

Depending on the production date of the frames it may be necessary to drill two holes in the frame in order to install the winch plate in the proper location. The plate will need to be moved towards the intake as shown below.



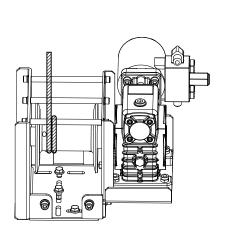
### Cable Roller Bracket Assembly for 33'

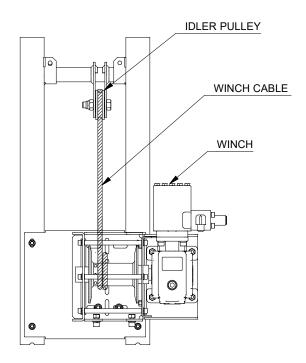
Earlier 33' auger may not have the cable roller bracket assembly for the winch cable. This would require welding on two U - brackets to the inside of the frame so the bottom of the U measures 10" from the end of the frame. Then install the cable roller bracket assembly.



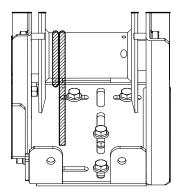
## Hydraulic Winch Installation

Align the winch with the winch cable and idler pulley on the frame.





Secure the winch to the winch plate with four  $3/8" \times 3/4"$  flanged bolts and 3/8" flanged nuts.



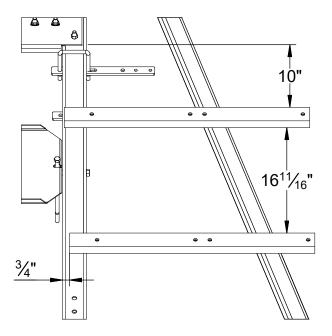
## HYDRAULICS ASSEMBLY

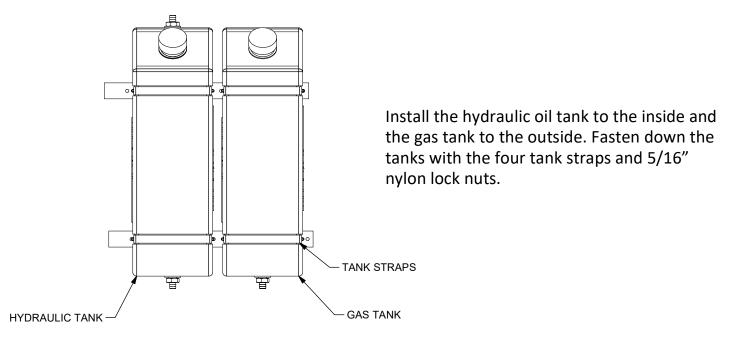
### Tank Brackets & Tanks

Use a carpenter square against the main frame with the tank bracket on the adjacent edge of the square. Slide the square down the frame until the 10" mark on the square is even with the edge of the winch plate. Tack and weld in place. The next bracket can be measured and installed 16-11/16" from the first bracket.

#### Note:

The end of the bracket should be 3/4" in from the edge of the frame.

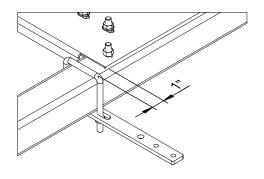




## Hydraulic Filter Head Mounting Bracket

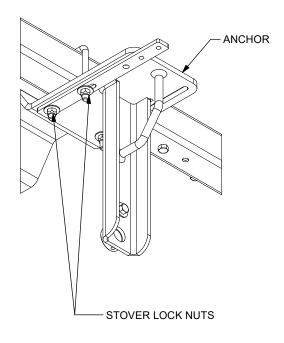
The hydraulic filter mounting bracket is mounted in different locations on different model augers as follows:

33 & 39 Foot



Secure filter mounting bracket with 2-1/2" or 3" U-bolt, depending on frame size, 1" ahead of the winch mounting plate.

46, 53, & 59 Foot

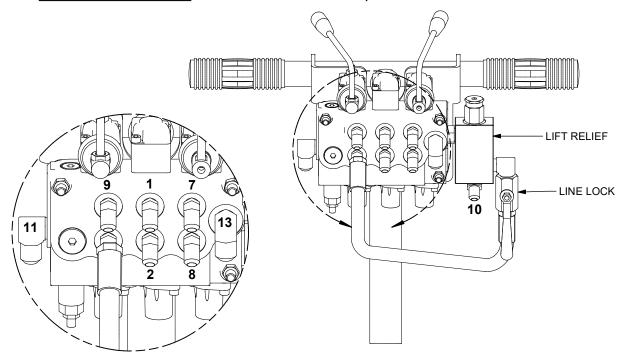


Secure filter mounting bracket to bottom of Anchor using the 3/8" Stover lock nuts.

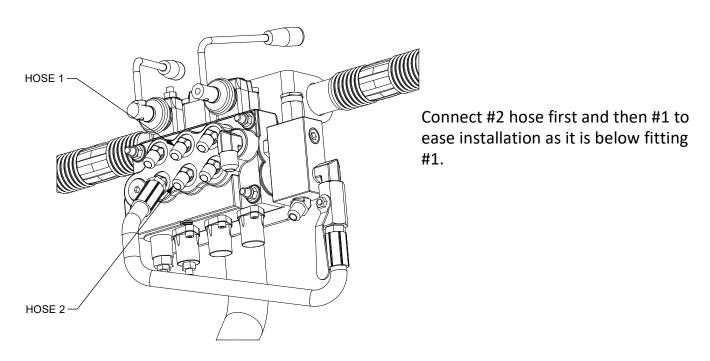
## Installing Hydraulic Hoses to the Components

Your hydraulic hoses are numbered from 1 through 13, & 15. The picture below shows the control valve with numbered fittings to help guide you through the proper installation of hoses.

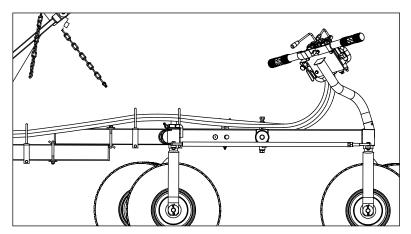
#### (USE AS <u>REFERENCE PICTURE</u> FOR HOSE PLACEMENT)



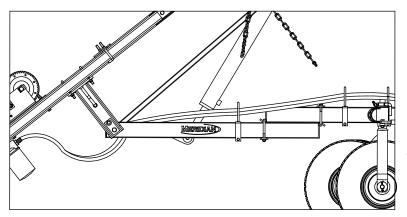
Connecting drive circuit hoses #1 & #2 from control valve to the cushion block



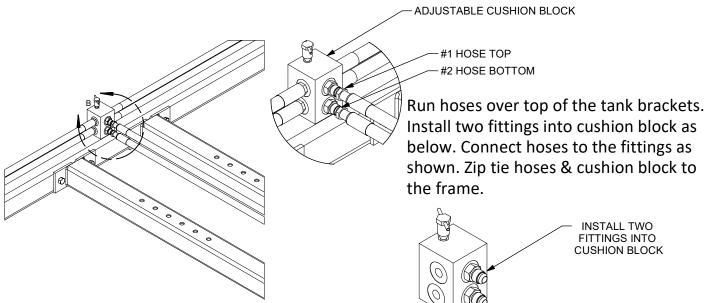
Running drive circuit hoses along frame to the cushion block on the axle



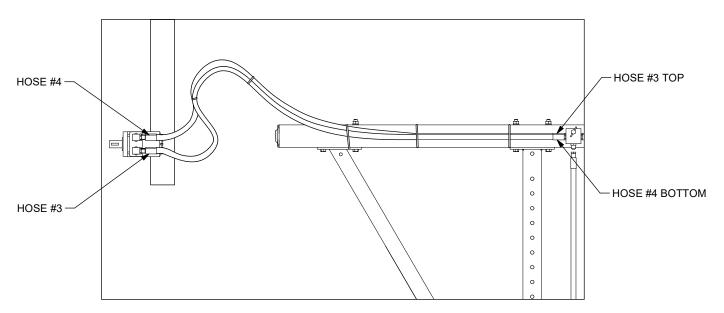
Run the two drive circuit hoses #1 & #2 down from the valve so they have a large curve with a slight sag at the curve. Run hoses along over the transport bar.



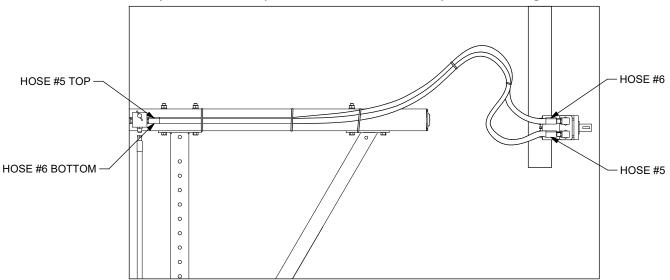
Run the hoses through the three hose rings along the expandable frames and zip tie hoses to the frames. Leave a significant curve in the hoses just below the main frame anchor.



Connecting Drive Motors and Cushion Block Hoses #3, #4, #5, #6



Install two drive motor fittings onto each of the drive motors. Then install the #3 and #4 hoses into the cushion block as shown above. Now run the hoses along the axle to the left and shape hoses into an "S" shape and hook up to the LH drive motor ports as designated.

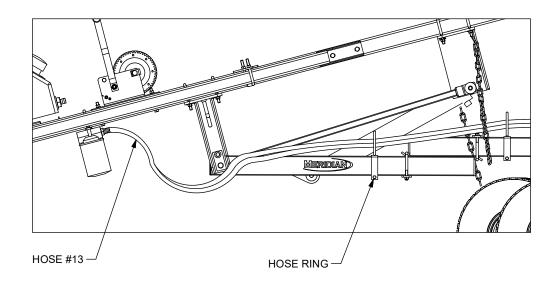


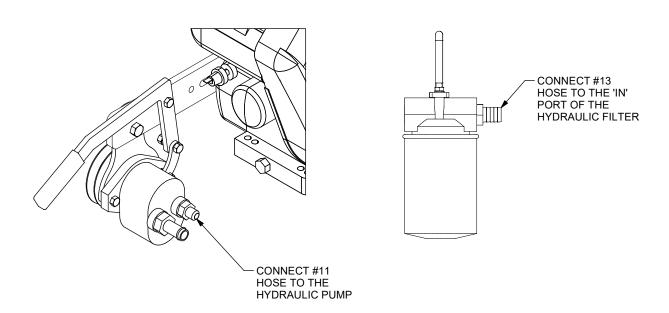
Install the #5 and #6 hoses into the cushion block as shown above. Now run the hoses along the axle to the right and shape hoses into an "S" shape and hook up to the RH drive motor ports as designated.

Prior to further hose installation you will need to install the Hydraulic Filter Assembly to the filter mounting bracket you installed previously.

#### Connecting Pressure & Return Hoses

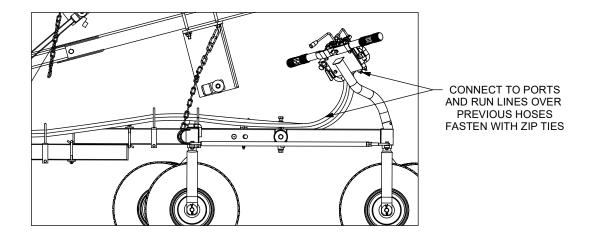
Connect the #11 pressure hose and #13 return hoses to the ports as designated on the Reference Picture. Run the #11 hose through the hose rings following the same curve as previous drive hoses under the frame anchor, over the tank brackets around the engine and to the hydraulic pump. Now run the #13 hose through the hose rings following the other hoses but when following the curve under the frame anchor the hose needs to make another curve back into the "IN" port of the hydraulic filter head. Zip tie these two hoses to the two previously installed drive hoses #1 & #2.



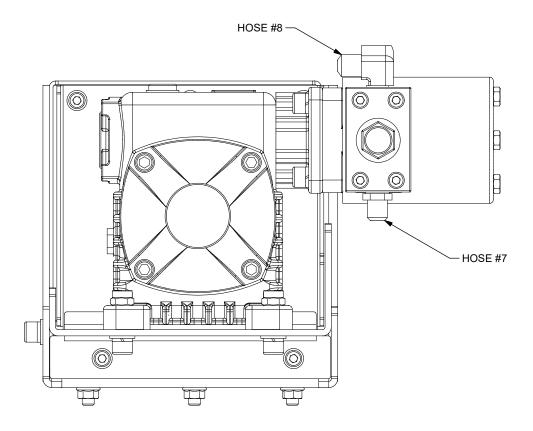


#### Connecting Winch Hoses #7, #8

Connect the #7 and #8 winch hoses to the ports as designated on the Reference Picture. Run the two hoses along over the previous hoses fastening them all together with zip ties.

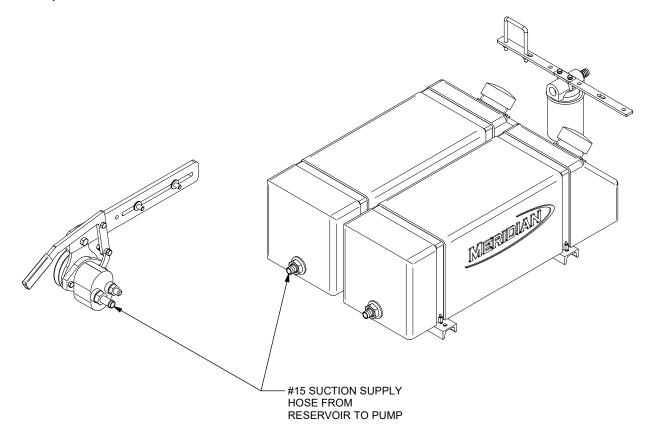


Connect the #8 hose to the top of the winch relief block and the #7 hose to the bottom of the winch relief block.

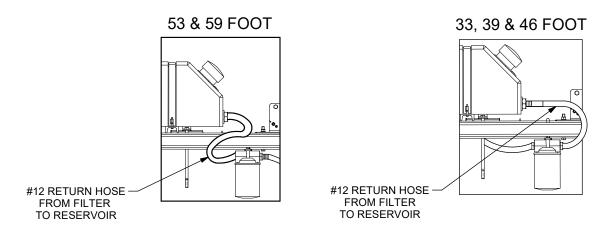


#### Connecting Suction and Return Hoses to Hydraulic Tank

Hose #15 is a 3/4" x 36" hose used to connect the hydraulic reservoir to the hydraulic pump. Be sure the hose is free of debris inside and lubricate the inside of each hose end to ease installation onto the barbed fittings. Slide the hose clamps onto the hose and install the hose and tighten the hose clamps.

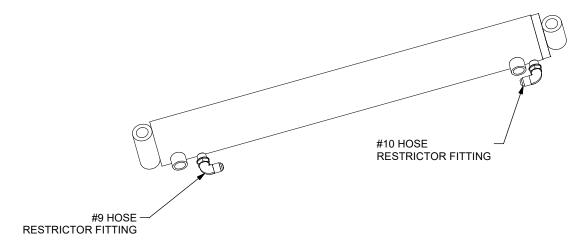


Hose #12 is used to connect the hydraulic filter to the reservoir. Lubricate the inside of each hose end. Slide the hose clamps onto the hose and install the hose and tighten the hose clamps.

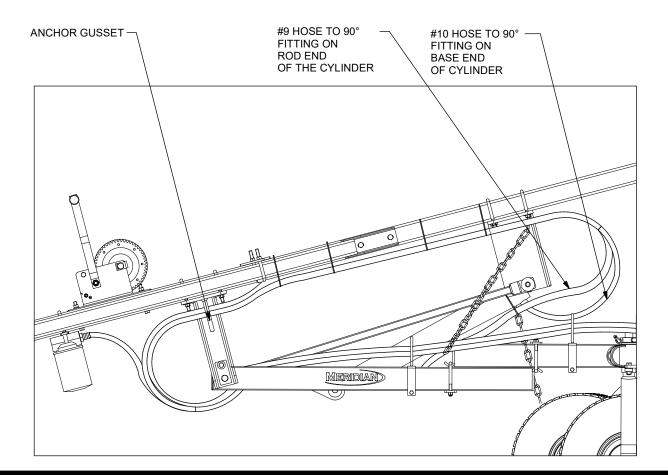


#### **Connecting Lift Cylinder Hoses**

Connect the #9 and #10 hoses to the ports as designated on the Reference Picture. Run the two hoses through the three hose rings, and then make a loop back up and through the main frame anchor gusset. Zip tie hoses to other hoses and to the bottom of the auger frame. Install two restrictor fittings in the lift cylinder ports as shown below.

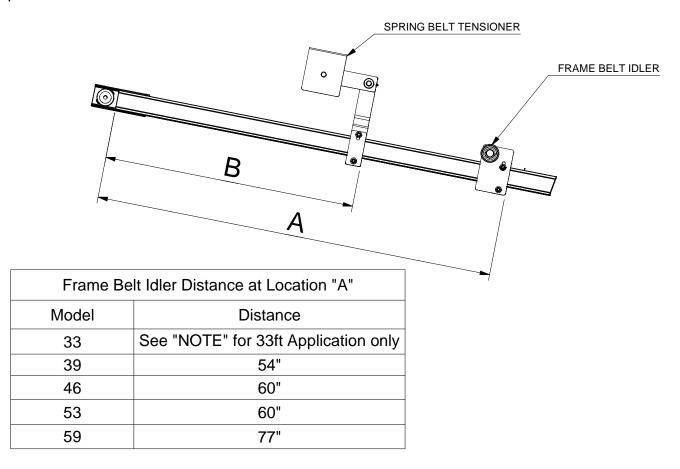


Connect #9 hose to the rod end of cylinder and the #10 hose to the base end of the cylinder.



## FRAME BELT IDLER ASSEMBLY

A belt frame idler must be installed on your auger to prevent the belt from coming into contact with the cylinder base frame mount as the auger is raised to the higher position. The proper placement of the idler is indicated in the chart below:



**Note:** On the 33 ft only, mount the idler on the bottom of the frame 5/8" from the cylinder base frame mount and flush with the top.

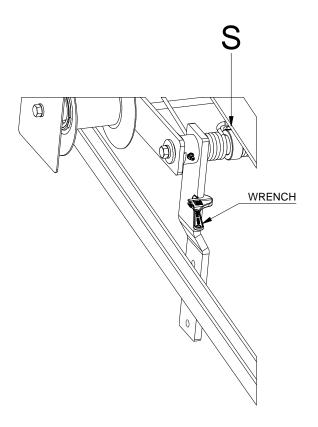
## **Spring Idler Pulley Assembly**

If a Spring Idler Pulley is to be installed the chart below indicates proper placement of the pulley.

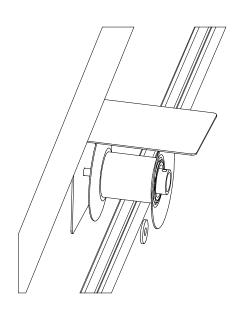
Spring Idler Pulley Distance at Location "B"		
Model	Distance	
33	36"	
39	36"	
46	45"	
53	40"	
59	60"	

### Spring Idler Adjustment

Once the idler has been bolted in the proper location it will be necessary to adjust it in order for the belts to track evenly in the center of the pulley. Adjusting is done by using a large crescent wrench to slightly twist the mount as shown. Note: Adjustment should only be done with the engine not running then restart to recheck.



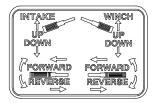
There is also an adjustment to be made on the spring if more spring tension is required. Spring adjustment is done by loosening the square headed set screw "S" on the shaft collar. With the belts out of the way from the pulley, lower the pulley down allowing the spring to move down and retighten the set screw. Lift pulley up and place belts back under the pulley and test for required tightness.



Once the pulley is in proper alignment the belt should track evenly in the center of the pulley.

#### **DECAL ASSEMBLY**

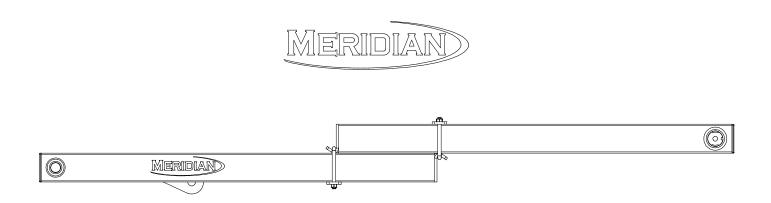
Now that you have completed the installation of your new Frame Mount Mover Kit, there are three very important decals to be installed on the side of the auger tube either just ahead of or behind the gear box.





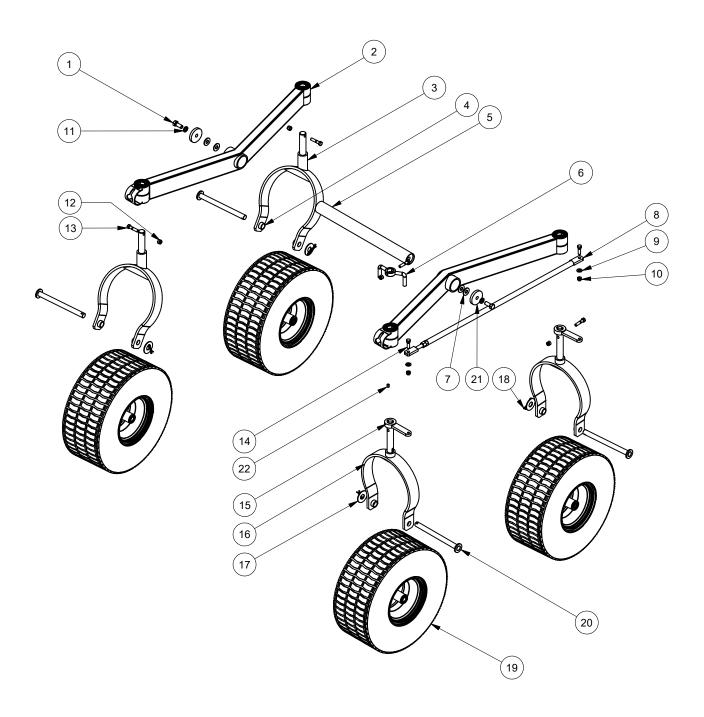
The first decal gives you the BASIC OPERATION of the movers' three functions. The second decal provides procedures To Prevent Damage of Auger Tubing.

In the hardware box, there are also two MERIDIAN decals to be installed on the sides of the lift frame, as shown below.

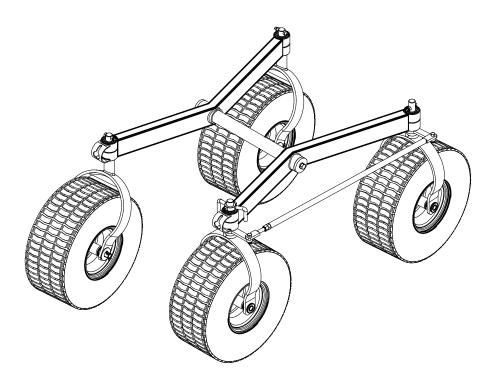


**Note:** If for some reason any of the Safety or Warning decals have been damaged or covered by a component of the mover kit, please contact your authorized equipment dealer to have them replaced.

## **WALKING BEAM**

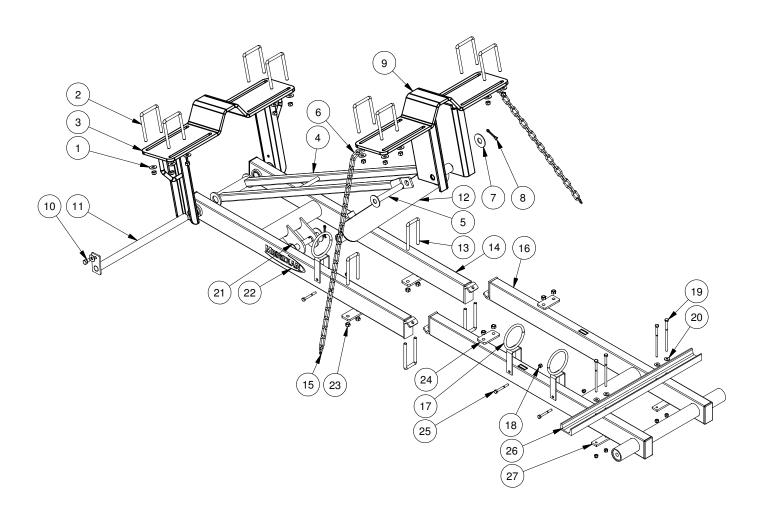


## WALKING BEAM

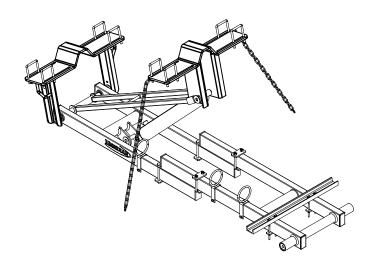


	FRAME MOUNT MOVER					
REF#	PART#	QUANTITY	DESCRIPTION			
1	13070208020	2	Hex Cap Screw - 1/2-13 UNC - 1.25			
2	42605-00	2	Walking Beam w/ Bearings			
3	13000042122-00	2	Yoke - Castor			
4	13000042594-00	8	Spacer Wheel Axle			
5	13000042119-00	1	Pin			
6	13000042106-00	1	Stop - Steering - Assembly			
7	13-0735-00008	4	Washer - 1/2			
8	13000042120-00	1	Bar - Steering - Mover 4 Wheel			
9	13073600006	2	Flat SAE Washer - 3/8			
10	13073000006	2	Stover - 3/8-16			
11	13-0734-00008	2	Spring Lock Washer - 1/2			
12	16-0707-0003	4	NYLOCK NUT 3/8			
13	13070206028	4	HEX CAP SCREW 3/8 x 1 3/4-16			
14	13070206020	2	Hex Cap Screw - 3/8-16 UNC - 1.25			
15	13000042121-00	2	Link - Steering			
16	13000042108-00	2	Yoke			
17	19395	4	Washer - 3/4			
18	13073706048	4	Cotter Pin - 3/16 x 1 1/2			
19	42110-00	4	Kit - Rim c/w Tire			
20	13000042114-00	4	Pin - Axle			
21	13000042703-00	2	Washer			
22	13000042699-00	1	Key - 1/4" x 1/4" x 1/2"			

## LIFT ASSEMBLY

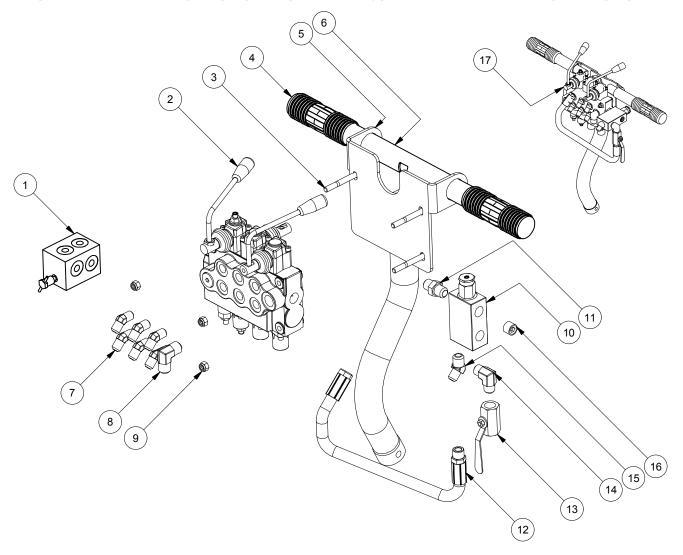


## LIFT ASSEMBLY



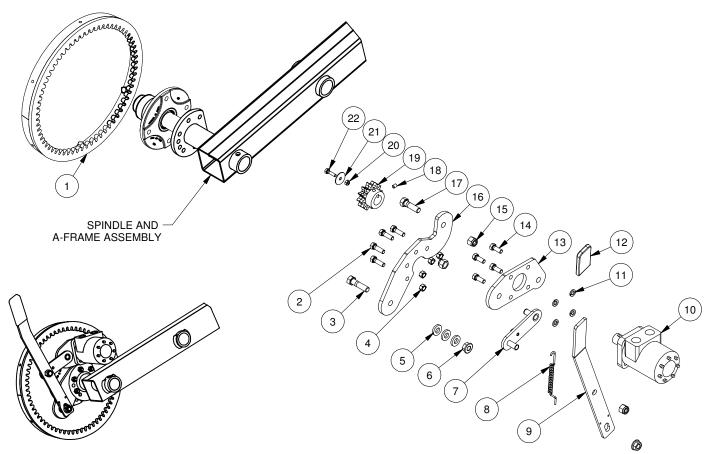
FRAME MOUNT MOVER					
REF#	PART#	QUANTITY	DESCRIPTION		
1	13-0735-00006	17	Plain Washer - 3/8		
2	13000043088-00	8	U-Bolt - 2 1/2 x 3/8"		
3	13000043080-00	1	Anchor		
4	13000043072-00	1	Lift Arm		
5	13000042091-00	1	Pin 5"		
6	13000042618-00	2	Safety Chain		
7	13-0735-00012	2	Plain Washer - 3/4		
8	13-0737-06048	2	Cotter Pin - 3/16 x 1 1/2		
9	13000043081-00	1	Cylinder Base		
10	13-0702-06010	1	Hex Cap Screw - 3/8-16 UNC - 0.625		
11	13000043084-00	1	Anchor Pin		
12	13000042088-00	1	Cylinder - Hydraulic - 2 1/2" x 20"		
13	13000043092-00	4	U-Bolt - 1.5 x 3/8"		
14	13000043082-00	1	Cylinder Mount		
15	13000042619-00	2	Quick Link - Transport Chain		
16	13000043083-00	1	Walking Beam Mount		
17	13000042099-01	3	Hose Holder		
18	13-0729-00004	7	Nylock Nut - 1/4 Std NC		
19	13-0702-04080	4	Hex Cap Screw - 1/4-20 UNC - 5		
20	13-0735-00004	4	Flat Washer 1/4		
21	13000042092-00	1	Pin 3.5"		
22	13000004660-00	2	Decal - "MERIDIAN"		
23	13-0730-00006	25	Stover Nut - 3/8-16		
24	13000043093-00	4	U-Bolt - Plate - 1.5"		
25	13-0702-04036	3	Hex Cap Screw - 1/4-20 UNC - 2.25		
26	13000042096-00	1	Bar Transport		
27	13000042097-00	2	Plate Bar Transport		

## STEERING COLUMN c/w HYDRAULICS



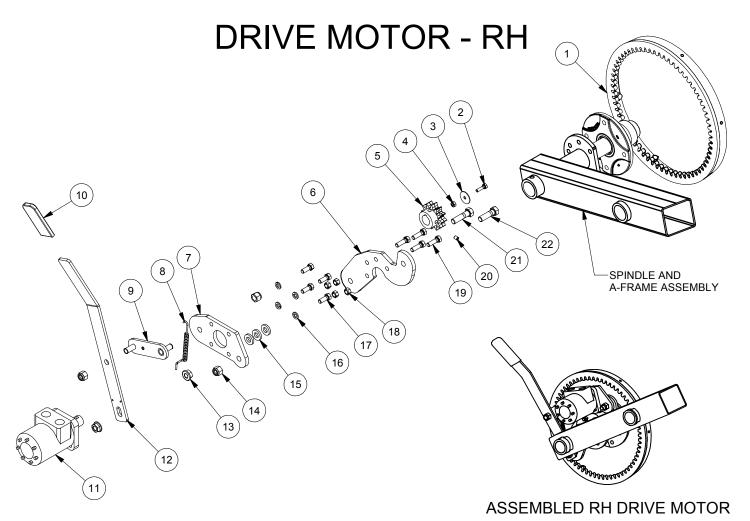
	FRAME MOUNT MOVER					
REF#	PART#	QUANTITY	DESCRIPTION			
1	13000042186-00	1	Block Cushion			
2	13000042127-00	1	Valve - Control c/w Fittings & Bypass LH			
3	13-0702-05040	3	5/16-18 UNC - 2.5			
4	13000042133-00	2	Grip			
5	13000043246-00	1	Steering Column			
6	13000042460-01	1	Tube			
7	13000042141-00	6	6MB - 6MJ45 - Fitting - Hydraulic			
8	13000042140-00	2	8MB - 8MJ90 - Fitting - Hydraulic			
9	13-0729-00005	3	5/16 Std NC Nylock Nut			
10	13000042134-00	1	Lift Bypass Valve			
11	13000042135-00	1	6MP - 8MB - Fitting			
12	13000042142-00	1	6MP - 6FJX - 6 - Hose (Bypass)			
13	13000042136-00	1	Valve - Ball			
14	13000042138-00	1	Fitting - Hydraulic - 6MP - 6MP90			
15	13000042137-00	1	6MP - 6MJ45 - Fitting - Hydraulic			
16	13000042139-00	1	6MP - Plug			
17	13000042046-00	1	Steering Column c/w Hydraulics			

## DRIVE MOTOR - LH



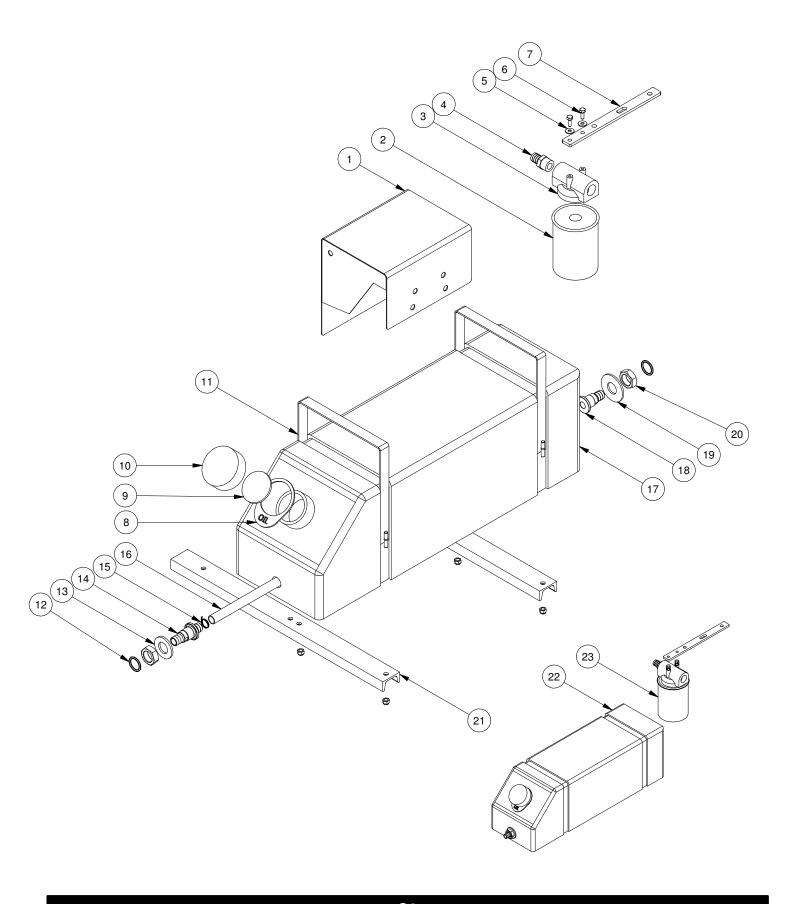
ASSEMBLED LT DRIVE MOTOR

		FR	AME MOUNT MOVER
REF#	PART #	QUANTITY	DESCRIPTION
1	13000042187-00	1	Gear c/w Set Screws - Wheel
2	13-0702-06020	4	3/8-16 UNC - 1.25
3	13-0702-08032	1	1/2-13 UNC - 2
4	13-0730-00006	4	3/8-16 stover
5	13-0736-00008	3	Washer SAE - 1/2
6	13-0731-00008	2	1/2-13 UNC Flange Nut
7	13000042189-00	1	Link
8	13000042195-00	1	Spring
9	13000042188-00	1	Bar
10	13000042194-00	1	Motor
11	13-0734-00006	4	Spring Lock Washer - 3/8
12	13000042196-00	1	Grip - Handle - 1.63" x 4"
13	13000043258-00	1	Plate - Mount Motor
14	13-0702-06016	4	3/8-16 UNC - 1
15	13-0729-00008	3	1/2 Std NC Nylock Nut
16	13000043257-00	1	Plate Bolt On
17	13-0702-08028	1	1/2-13 UNC - 1.75
18	13-0742-05006	1	Socket Set Screw 5/16 x 3/8-18
19	13000042192-00	1	Gear
20	13-0725-00004	1	1/4 - 20 Finished Hex Nut
21	13-0735-10004	1	1/4 " Flat Washer - Fender
22	13-0702-04016	1	1/4-20 UNC - 1

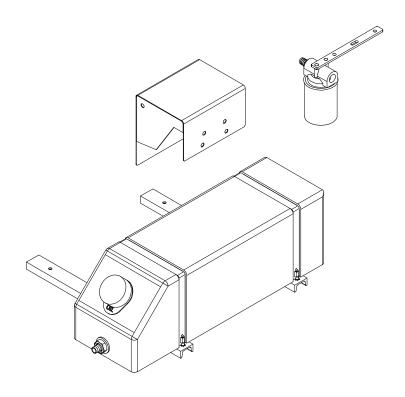


FRAME MOUNT MOVER				
REF#	PART#	QUANTITY	DESCRIPTION	
1	13000042187-00	1	Gear c/w Set Screws - Wheel	
2	13-0702-04016	1	1/4-20 UNC - 1	
3	13-0735-10004	1	1/4 " Flat Washer - Fender	
4	13-0725-00004	1	1/4 - 20 Finished Hex Nut	
5	13000042192-00	1	Gear	
6	13000043257-00	1	Plate Bolt On	
7	13000043258-00	1	Plate - Mount Motor	
8	13000042195-00	1	Spring	
9	13000042189-00	1	Link	
10	13000042196-00	1	Grip - Handle - 1.63" x 4"	
11	13000042194-00	1	Motor	
12	13000042188-00	1	Bar	
13	13-0731-00008	2	1/2-13 UNC Flange Nut	
14	13-0729-00008	3	1/2 Std NC Nylock Nut	
15	13-0736-00008	3	Washer SAE - 1/2	
16	13-0734-00006	4	Spring Lock Washer - 3/8	
17	13-0702-06016	4	3/8-16 UNC - 1	
18	13-0730-00006	4	3/8-16 stover	
19	13-0702-06020	4	3/8-16 UNC - 1.25	
20	13-0742-05006	1	Socket Set Screw 5/16 x 3/8-18	
21	13-0702-08032	1	1/2-13 UNC - 2	
22	13-0702-08028	1	1/2-13 UNC - 1.75	

#### PUMP TANK AND FILTER

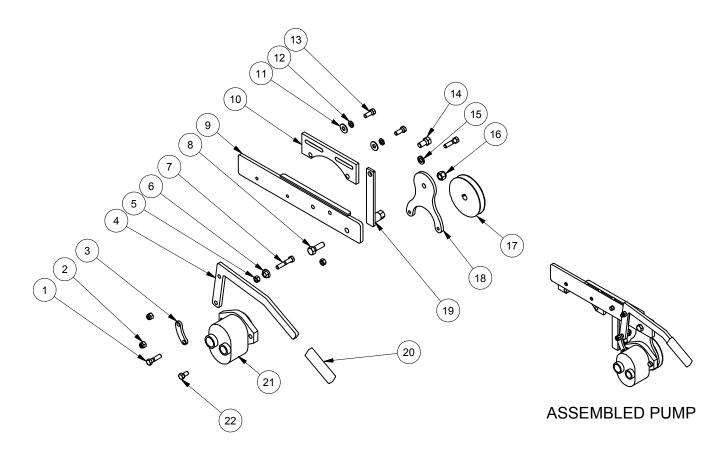


### PUMP TANK AND FILTER



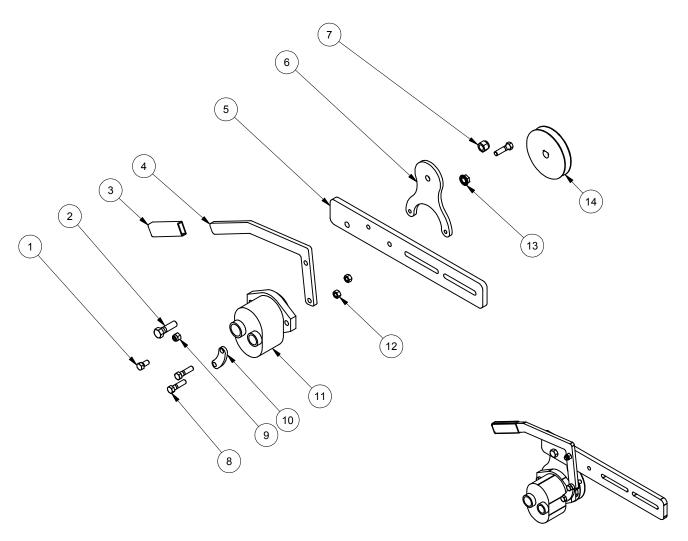
	FRAME MOUNT MOVER					
REF#	PART#	QUANTITY	DESCRIPTION			
1	13000042159-00	1	Guard - Engine			
2	13000042174-00	1	Micron 10			
3	13000042173-00	1	Head - Filter			
4	13000042176-00	1	Fitting - Hydraulic - (12MP-3/4") Barb			
5	13-0735-00004	2	Plain Washer - 1/4			
6	13-0702-04012	2	Hex Cap Screw - 1/4-20 UNC - 0.75			
7	13000043095-00	1	Mount - Filter			
8	13000042183-00	1	Tag			
9	13000042165-02	1	Cap Insert			
10	13000042178-00	1	Сар			
11	13000042177-00	2	Tank Clamp			
12	13000043243-00	2	O-Ring 1 1/16" ID x 1/8"			
13	13-0736-00016	1	Washer - 1"			
14	13000042179-01	1	Barb Double - Fitting			
15	13000042590-00	1	Clamp - Hose - 3/8"			
16	13000042179-02	1	Return Hose			
17	13000042165-01	1	Tank			
18	13000042180-00	1	Barb - Tank Oil			
19	13-0735-00016	1	Plain Washer - 1"			
20	13-0733-00016	2	Hex Nuts - 1-14 UNF			
21	13000042175-00	2	Tank Mount Bracket			
22	13000042165-00	1	Kit - Tank Complete			
23	13000042171-00	1	Kit - Filter Complete			

### PUMP - BIG BLOCK



	FRAME MOUNT MOVER					
REF#	PART#	QUANTITY	DESCRIPTION			
1	13-0702-06024	2	3/8-16 UNC - 1.5			
2	13-0729-00006	2	3/8 Std NC Nylock Nut			
3	13000042151-00	1	Link - Over Center			
4	13000042153-00	1	Bar			
5	13-0725-00006	2	Hex Nuts (Inch Series) Hex Nut			
6	13-0731-00006	1	Whiz-Lock Nut 3/8" - 14			
7	13-0702-06032	1	3/8-16 UNC - 2			
8	13-0702-08024	1	1/2-13 UNC - 1.5			
9	13000042144-00	1	Bar - Pump - Big Block			
10	13000042145-00	1	Bar - Adjusting			
11	13-0735-00006	2	Washer, 3/8 - Regular - Type B Steel, Mild			
12	13-0734-00006	2	Regular Helical Spring Lock Washers(Inch Series)			
13	13-0702-06016	2	3/8-16 UNC - 1			
14	13-0702-08016	1	1/2-13 UNC - 1			
15	13-0734-00008	1	Regular Helical Spring Lock Washers(Inch Series)			
16	13-0729-00008	1	1/2 Std NC Nylock Nut			
17	13000042158-00	1	Pulley			
18	13000042152-00	1	Yoke - Pump			
19	13000042146-00	1	Mount - Guard			
20	13000042488-00	1	Grip - Handle - 1" x 4" x 3/8"			
21	13000042400-00	1	Pump			
22	13-0702-06012	1	3/8-16 UNC - 0.75			

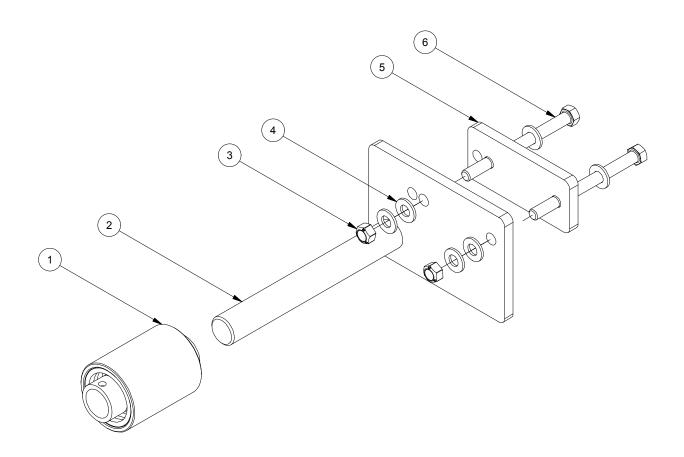
### PUMP - SMALL BLOCK

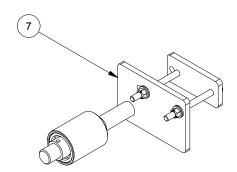


ASSEMBLED PUMP

	FRAME MOUNT MOVER						
REF#	PART#	QUANTITY	DESCRIPTION				
1	13-0702-06012	1	3/8-16 UNC - 0.75				
2	13-0702-08028	1	1/2-13 UNC - 1.75				
3	13000042488-00	1	Grip - Handle - 1" x 4" x 3/8"				
4	13000042153-00	1	Bar				
5	13000042143-00	1	Bar - Pump - 18"				
6	13000042152-00	1	Yoke - Pump				
7	13-0729-00008	1	1/2 Std NC Nylock Nut				
8	13-0702-06024	3	3/8-16 UNC - 1.5				
9	13-0729-00006	1	3/8 Std NC Nylock Nut				
10	13000042151-00	1	Link - Over Center				
11	13000042400-00	1	Pump				
12	13-0725-00006	2	Hex Nuts (Inch Series) Hex Nut				
13	13-0731-00006	1	Whiz-Lock Nut 3/8" - 14				
14	13000042158-00	1	Pulley				

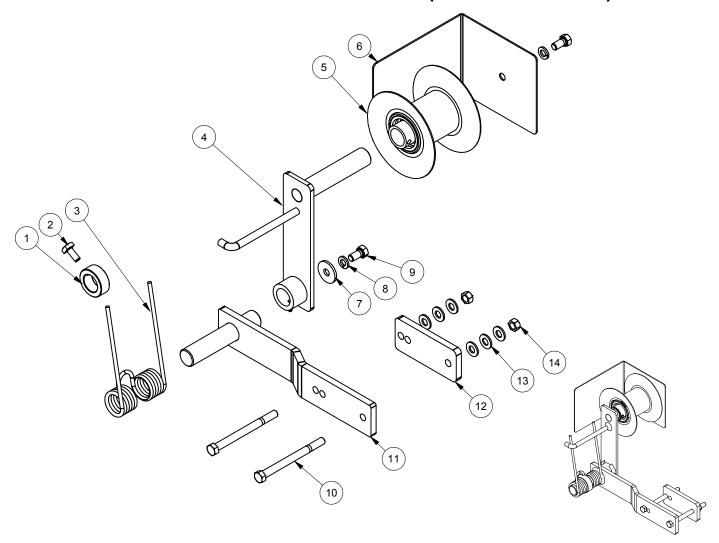
## **BELT IDLER**





FRAME MOUNT MOVER					
PART#	QUANTITY	DESCRIPTION			
13000042313-00	1	Roller Idler			
13000042554-00	1	Mount			
13-0730-00006	2	Stover Nut - 3/8-16			
13-0736-00006	6	Washer - 3/8			
13000042308-00	1	Plate			
13-0702-06072	2	Hex Cap Screw - 3/8-16 UNC - 4.5			
13000042052-00	1	Complete Belt Idler			
1:	3000042313-00 3000042554-00 13-0730-00006 13-0736-00006 3000042308-00 13-0702-06072	PART # QUANTITY  3000042313-00 1  3000042554-00 1  13-0730-00006 2  13-0736-00006 6  3000042308-00 1  13-0702-06072 2			

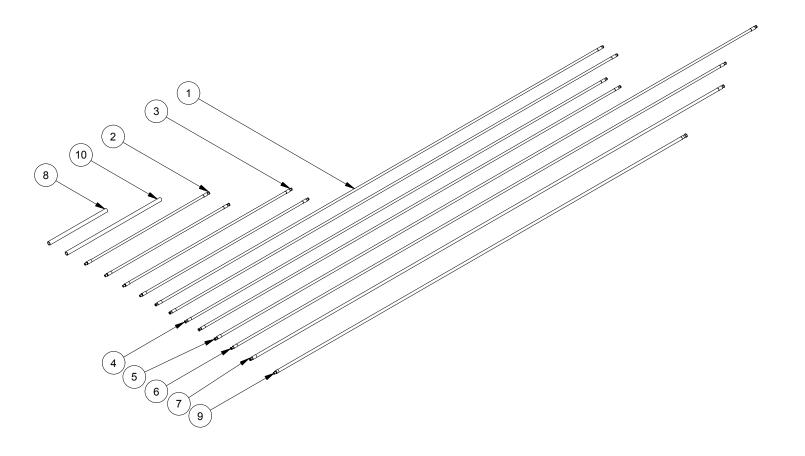
# BELT TENSIONER (OPTIONAL)



ASSEMBLED BELT TENSIONER

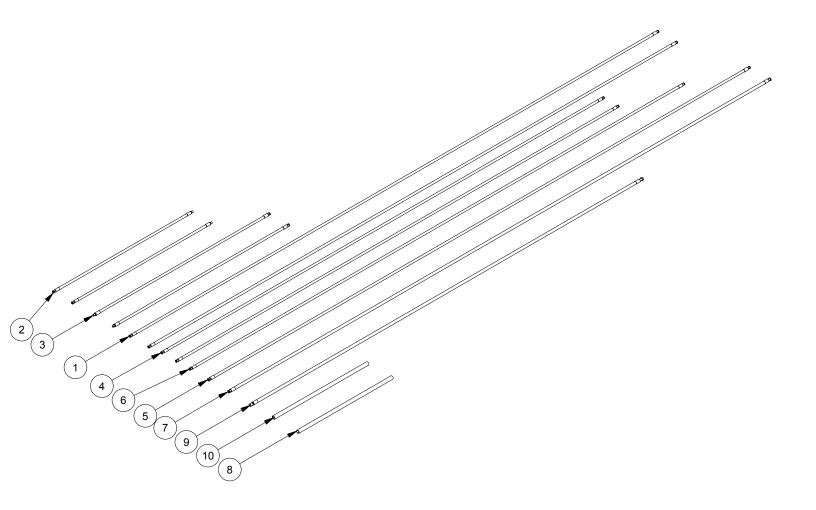
			4.145.1401.14T.1401.45D				
	FRAME MOUNT MOVER						
REF#	PART#	QUANTITY	DESCRIPTION				
1	13000042123-00	1	Collar w/o Set Screw & Nut				
2	13-0743-05012	1	Unified Standard Square Bolts				
3	13000042310-00	1	Harrow Spring				
4	13000042306-00	1	Bar Pivot				
5	13000042305-00	1	Idler w/ Bearing				
6	13000042309-00	1	Guard				
7	13000005104-00	1	Washer				
8	13-0734-00006	2	Lock Washer - 3/8				
9	13-0702-06012	2	Hex Cap Screw - 3/8-16 UNC - 0.75				
10	13-0702-06072	2	Hex Cap Screw - 3/8-16 UNC - 4.5				
11	13000042307-00	1	Bar Mount				
12	13000042308-00	1	Plate				
13	13-0736-00006	6	Washer - 3/8				
14	13-0730-00006	2	Stover Nut - 3/8-16				

## HOSE KIT - 33 & 39 FT



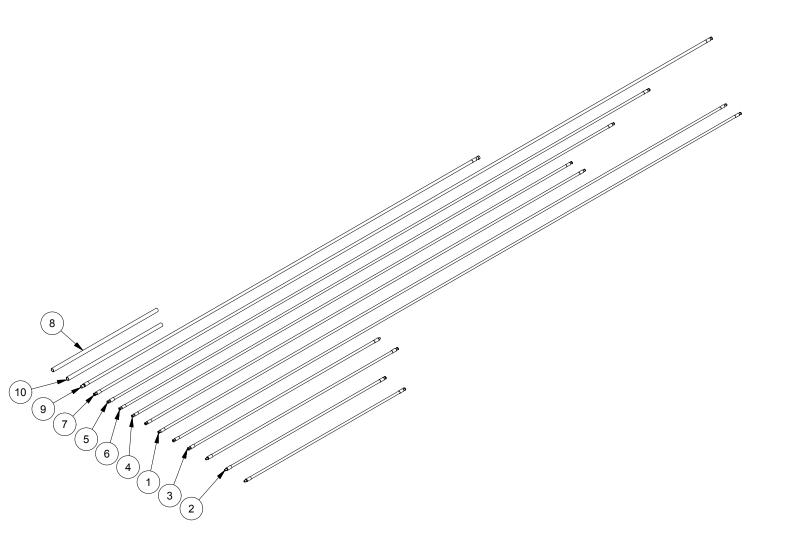
FRAME MOUNT MOVER					
REF#	PART#	QUANTITY	DESCRIPTION	HOSE#	
1	13000043044-00	2	3/8 x 170" Hydraulic Hose c/w 6FJ - 6FJ	1, 2	
2	13000042996-00	2	Hydraulic Hose - 3/8" x 46" c/w 6MB x 6FJ	3, 4	
3	13000042997-00	2	Hydraulic Hose - 3/8" x 63" c/w 6MB x 6FJ	5, 6	
4	13000043045-00	2	3/8" x 160" Hydraulic Hose c/w 6FJ - 6 FJ	7, 8	
5	13000043040-00	1	Hydraulic Hose - 3/8" x 206" c/w 6FJ x 6FJ	9	
6	13000043047-00	1	3/8" x 188" Hydraulic Hose c/w 6FJ - 6FJ	10	
7	13000043048-00	1	1/2" x 180" Hydraulic Hose c/w 8FJ - 8FJ	11	
8	13000043015-00	1	Hydraulic Hose - 3/4 x 22"	12	
9	13000043049-00	1	1/2" x 156" Hydraulic Hose c/w 8FJ - 8MP	13	
10	13000043006-00	1	Hydraulic Hose - 3/4" x 36"	15	

# HOSE KIT - 46 FT



FRAME MOUNT MOVER					
REF#	PART#	QUANTITY	DESCRIPTION	HOSE#	
1	13000043050-00	2	3/8" x 201" Hydraulic Hose c/w 6FJ - 6FJ	1, 2	
2	13000043016-00	2	Hydraulic Hose - 3/8" x 52" c/w 6 MB x 6 FJ	3, 4	
3	13000043017-00	2	Hyydraulic Hose - 3/8" x 66" c/w 6MB - 6FJ	5, 6	
4	13000043052-00	2	3/8" x 168" Hydraulic Hose c/w 6FJ - 6FJ	7, 8	
5	13000043040-00	1	Hydraulic Hose - 3/8" x 206" c/w 6FJ x 6FJ	9	
6	13000043047-00	1	3/8" x 188" Hydraulic Hose c/w 6FJ - 6FJ	10	
7	13000043053-00	1	1/2" x 206" Hydraulic Hose c/w 8FJ - 8FJ	11	
8	13000043026-00	1	Hydraulic Hose 3/4" x 27"	12	
9	13000043054-00	1	1/2" x 148" Hydraulic Hose c/w 8FJ - 8MP	13	
10	13000043006-00	1	Hydraulic Hose - 3/4" x 36"	15	

## HOSE KIT - 53 & 59 FT



FRAME MOUNT MOVER						
REF#	PART#	QUANTITY	DESCRIPTION	HOSE#		
1	13000043055-00	2	3/8" x 216" Hydraulic Hose c/w 6FJ - 6FJ	1, 2		
2	13000043027-00	2	Hydraulic Hose - 3/8" x 60" c/w 6MB x 6FJ	3, 4		
3	13000043028-00	2	Hydraulic Hose - 3/8" x 72" c/w 6MB x 6FJ	5, 6		
4	13000043057-00	2	3/8" x 167" Hydraulic Hose c/w 6FJ - 6FJ	7, 8		
5	13000043040-00	1	Hydraulic Hose - 3/8" x 206" c/w 6FJ x 6FJ	9		
6	13000043047-00	1	3/8" x 188" Hydraulic Hose c/w 6FJ - 6FJ	10		
7	13000043058-00	1	1/2" x 235" Hydraulic Hose c/w 8FJ - 8FJ	11		
8	13000043034-00	1	Hydraulic Hose 3/4" x 40"	12		
9	13000043059-00	1	1/2" x 150" Hydraulic Hose c/w 8FJ - 8MP	13		
10	13000043006-00	1	Hydraulic Hose - 3/4" x 36"	15		

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13000004250-00	C8	8	13000042158-00	C12	14	13000042580-00	C8	11
13000004251-00	C8	18	13000042159-00	C10	1	13000042581-00	C8	12
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13000042091-00	C4	5	13000042174-00	C10	2	13000042594-00	C2	6
13000042092-00	C4	21	13000042175-00	C10	21	13000042605-00	C2	4
13000042096-00	C4	26	13000042176-00	C10	4	13000042618-00	C4	6
13000042097-00	C4	27	13000042177-00	C10	11	13000042619-00	C4	15
13000042099-01	C4	17	13000042178-00	C10	10	13000042703-00	C2	24
13000042106-00	C2	8	13000042179-01	C10	14	13000042996-00	C15	3
13000042108-00	C2	18	13000042179-02	C10	16	13000042997-00	C15	4
13000042110-00	C2	21	13000042180-00	C10	18	13000043006-00	C15	2
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#### **Limited Warranty Statement**

- Meridian Manufacturing Inc warrants each new Meridian Manufacturing Inc product (the "Goods") to be free from defects in material and workmanship under normal use and service for a period of two (2) years or ninety (90) days in the case of commercial use, from the shipment date from the Meridian dealer (FCA).
- 2. Meridian warrants replacement parts and components either manufactured or sold by, will be free from defects in materials or workmanship under normal use and service for thirty (30) days from the shipment date from the Meridian dealer (FCA), or the remainder of the original warranty period on the Goods, whichever is longer.
- 3. This warranty does not apply to:
- a) to any merchandise or components thereof, which in the sole and unfettered opinion of Meridian, have been subject to misuse, unauthorized modifications, alteration, accident, negligence, product abuse or lack of required maintenance.
- b) if repairs have been made with parts or by persons other than those parts or persons approved by Meridian.
- c) to parts and accessories not manufactured by Meridian including, but not limited to, engines, batteries, tires, belts, PTO shafts or other trade accessories. Such parts shall be covered by the warranty given by the actual manufacturer, if any.
- d) to failure of parts; or failure of parts to perform due to wear under normal or excessive service conditions; or to failure due to use by the Purchaser for purposes other than originally intended at time of manufacture, including without limitation using the Goods for mixing fertilizer, etc.; or used in excess of the built specifications.
- e) to Goods used in areas exposed to corrosive or aggresive conditions including, but not limited to, salt water from either inside or outside the Goods.
- f) to failures or defects arising out of damage during shipment or during storage.
- g) to materials replaced or repaired under this warranty, except to the extent of the remainder of the applicable warranty.
- 4. The obligation of Meridian under this warranty shall not arise unless Meridian is notified and this warranty is presented together with a written statement specifying the claim or defect within thirty (30) days after the failure is first detected or made known to the Purchaser and within: (i) two (2) years, or ninety (90) days in the case of commercial use; or (ii) thirty (30) days in the case of replacement parts and components manufactured by Meridian; from the shipment date from the Meridian dealer (FCA). Meridian in its sole and unfettered discretion shall determine if the claim is valid and whether correction of the defect or failure shall be made by repair or replacement of the materials.
- 5. Title to any replaced materials Meridian wishes to have pass to it, shall pass to Meridian.
- 6. The obligation of Meridian hereunder extends only to the original Purchaser or Buyer to whom the Goods were initially sold. This warranty shall not be subject to any assignment or transfer without the written consent of Meridian.
- 7. The purchaser acknowledges that it has made its own independent decision to approve the use of the Goods and also the specific fabrication and construction procedures utilized to complete the Goods, and has satisfied itself as to the suitability of these products for its use.

#### **WARRANTY**

- 8. This warranty is subject to the following limitations, provisions and conditions:
- a) Meridian shall have no liability hereunder for any claims, including field re-work.
- b) Meridian shall not be liable for any incidental loss or damage, however caused, including, without limitation, normal wear and tear.
- c) Meridian makes no express or implied warranties of any nature whatsoever except for such express warranties as set out herein. The warranty provided herein is in lieu of and excludes all other warranties, guarantees or conditions pertaining to the Goods, written or oral, statutory, express or implied, (except the warranty as to title) including any warranty as to the merchantability or fitness for any particular purpose. Meridian expressly disclaims all other representations, conditions or warranties, expressed or implied, statutory or otherwise and any representations, warranties or conditions that may arise from a course of dealing or usage of trade. The warranty provided herein shall constitute Meridian's sole obligation and liability and the Purchaser's sole remedy for breach of warranty. No other warranty has been made by any employee, agent, or representative of Meridian and any statements contained in any other printed material of Meridian is expressly excluded herefrom. Meridian shall not be responsible for any warranty offered by the Purchaser to its customers with respect to the Goods and the Purchaser shall indemnify Meridian with respect to same if any of those customers makes a claim against Meridian relating to any such warranty.
- d) Subject to Meridian's obligations contained in paragraphs 1 and 2 herein, none of Meridian, its officers, directors, servants or agents shall be liable, or responsible for any loss or damage (including strict liability and liability for loss or damage due to items which the manufacturing processes are designed to identify) whether such loss or damage is caused by negligence in any manner whatsoever (including gross negligence, error, misrepresentation, misstatement, imprudence, lack of skill or lack of judgement).
- 9. The sole financial obligation of Meridian under this warranty shall be limited to the repair or replacement of the Goods as originally supplied and in no event shall they exceed the original cost of the Goods supplied.
- 10. Meridian shall not have any obligation under any warranty herein until all accounts have been paid in full by the Purchaser.
- 11. The construction and interpretation of this Warranty shall be governed by the laws of the Province of Saskatchewan.

#### **Warranty Claim Procedure**

- 1. Purchaser must register the Goods with Meridian.
- 2. Purchaser must contact the dealer where the unit was purchased from upon discovery of any defects.
- 3. A completed warranty claim form must be submitted by the dealer to Meridian's warranty representative for review and any subsequent course of action.
- 4. Warranty repair work will only be performed by Meridian or an approved representative of Meridian. No warranty work completed prior to approval by Meridian will be honored. Failure to follow procedure may affect any or all of this warranty.
- 5. Claims will be adjudicated at the sole discretion of Meridian and in accordance with the terms and conditions of the limited warranty.

#### **MERIDIAN MANUFACTURING INC.**

With over 65 years of experience, Meridian is your storage and handling expert.



**Cambridge Office** 

605 Sheldon Dr. Cambridge, On. N1T 2K1 PH: 519.620.6004 TF: 855.346.3712 FX: 519.620.6041 **Camrose Office** 

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PO Box 1996 Regina, SK S4P 3E1 PH: 306.545.4044 TF: 800.667.5904 FX: 306.545.4216 Storm Lake Office

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