

MERIDIAN

ASSEMBLY AND PARTS LIST MANUAL



RELIABELT CONVEYOR

20-80 • 20-90 • 20-100

20-110 • 20-120

www.meridianmfg.com

DECLARATION OF CONFORMITY

We the Manufacturer:

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

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

RELIABELT 20-80
RELIABELT 20-90
RELIABELT 20-100
RELIABELT 20-110
RELIABELT 20-120

The Meridian Reliabelt Conveyor Series
is designed for the movement of Grains and Cereals.

INTRODUCTION

CONGRATULATIONS

Congratulations on your choice of a Reliabelt Conveyor. This conveyor has been designed and manufactured to meet the exacting standards for such equipment in the agricultural industry and will keep your seed delivery system at optimum efficiency.

Safe, efficient, and trouble-free operation of your conveyor requires that you and anyone else who will be operating or maintaining the conveyor, read and understand the Safety, Operation, Maintenance, and Troubleshooting information contained within this manual.

This manual covers the operating procedures and maintenance of the conveyor designed by Meridian Manufacturing, Inc. Use the Table of Contents as a guide to locate required information.

INTENDED USE

This Conveyor is designed to elevate grain being dumped from a vehicle or container and deposited into another conveyor or container. It is not intended to convey any other product, such as fertilizer and canola.

OWNER/OPERATOR

It is the responsibility of the owner or operator to read this manual and to train all other operators before they start working with the conveyor. Follow all safety instructions exactly. Safety is everyone's business. By following recommended procedures, a safe working environment is provided for the operator, bystanders, and the area around the work site. Untrained operators are not qualified and must not operate the conveyor.

In addition to the design and configuration of the conveyor, hazard control and accident prevention are dependent upon the awareness, concern, prudence, and proper training of personnel involved in the operation, transport, maintenance, and storage of the conveyor. Follow all safety instructions as provided in this manual.

Keep this manual accessible for easy reference. Call your Meridian Manufacturing, Inc. dealer if you need assistance, information, or additional copies of the manuals.

The information, specifications, and illustrations in this manual are those in effect at the time of printing. We reserve the right to change specifications or design at any time without notice.

OWNERSHIP CHANGES

If any of the equipment associated with this conveyor changes ownership, then the new owner(s) must be given all applicable documentation associated with all the components/equipment of the site. The new owners need to notify the individual manufactures of the ownership changes so that updates to product or documentation can be forwarded to the new owner(s). This should be done even if the conveyor is out of warranty because many manufacturers supply update notifications as long as they have valid ownership information.

 **WARNING**

DO NOT use an entire assembly, or even a component of an assembly, for anything other than the manufacturer's original intended use. Not only is the warranty voided, but the component can fail in the unintended application creating a hazard to the conveyor and the personnel using that conveyor.

END OF LIFE DISPOSAL

The Reliabelt conveyors are designed for the specific purpose of conveying grain. When this conveyor is no longer capable of doing its designed purpose, it should be dismantled and scrapped. Do not use any materials or components from this conveyor for any other purpose.

REPORTING HAZARD

If any of the equipment associated with this conveyor appears to pose a hazard, then it is the duty of the individual to report it immediately. If the hazard is the conveyor, then the manufacturer and site manager must be notified. If the hazard is a process, then the site manager must be notified. Unreported hazards can lead to serious injury or death to personnel.

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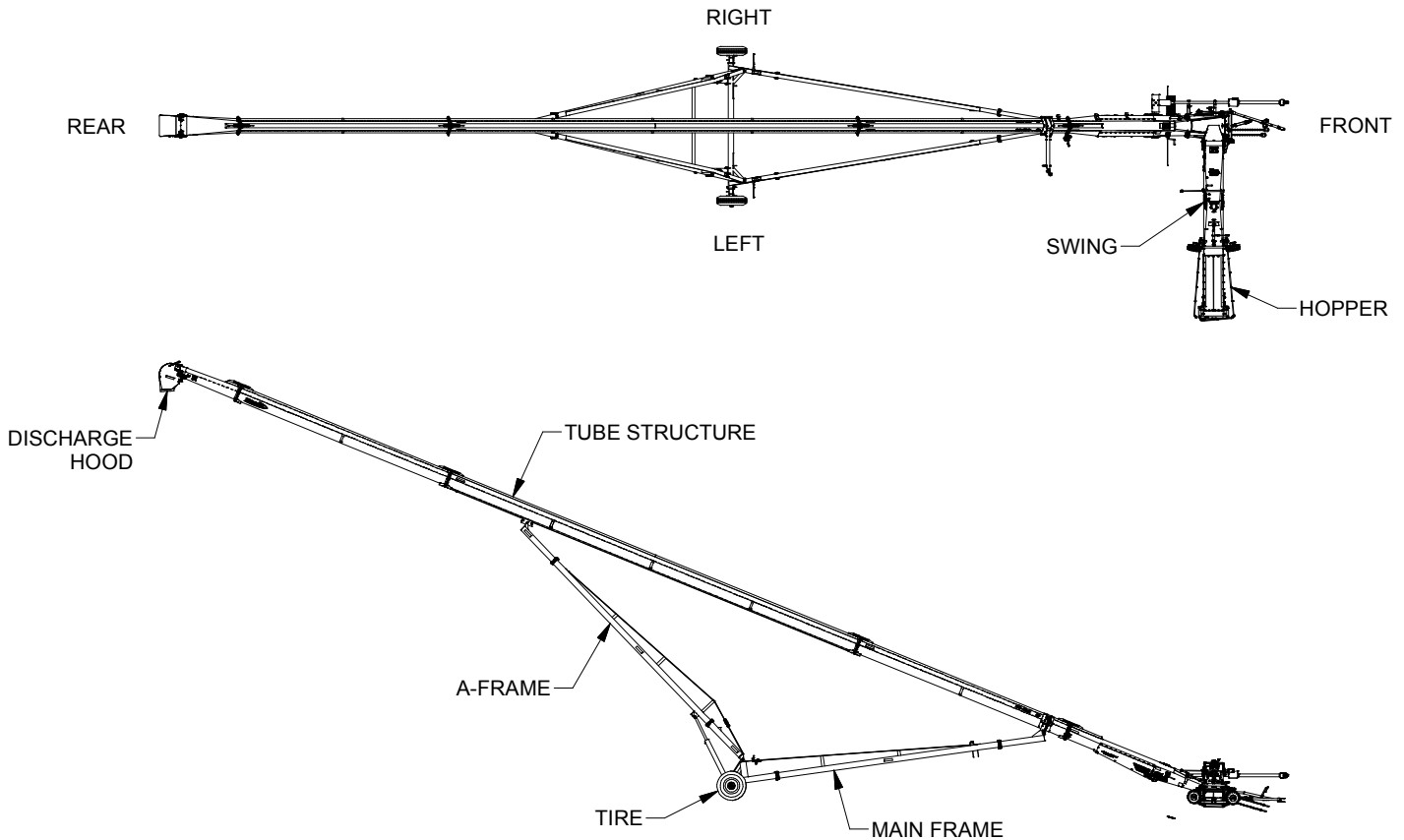
PARTS LIST

- D1 Tubes, Belt, & Cable Assembly
- D2 Long/Short/EPTO Intake Assembly
- D4 Long Intake Hopper Assembly
- D6 Short Intake Hopper Assembly
- D8 EPTO Assembly
- D12 Deutz Diesel Engine Assembly
- D15 Isuzu Diesel Engine Assembly
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- D37 Swing Assembly
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SPECIFICATIONS

- E1 Warranty

CONVEYOR NOMENCLATURE



When standing at the hopper end, facing toward the front of the conveyor, the side to the left is considered the **Left Side**; the side to the right is considered the **Right Side**.

The end of the conveyor connected to a towing vehicle is the **Front**. The discharge or upper end of the conveyor is the back or **Rear**.

The frame components that raise and lower the front end of the conveyor is called the **A-Frame**. The trailer tires and wheels are attached to the **Main Frame**.

The **Tube Structure** is the largest structure of the conveyor. This structure guides the conveyor belt and keeps the grain from spilling from the belt.

The **PTO/Drive Motor** is used to propel the conveyor belt. V-belts attach the drive motor to the conveyor belt drive roller and a Gear Box connects the PTO to the belt drive roller.

The **Discharge Hood** gathers the seed coming off the conveyor belt and directs it downward.

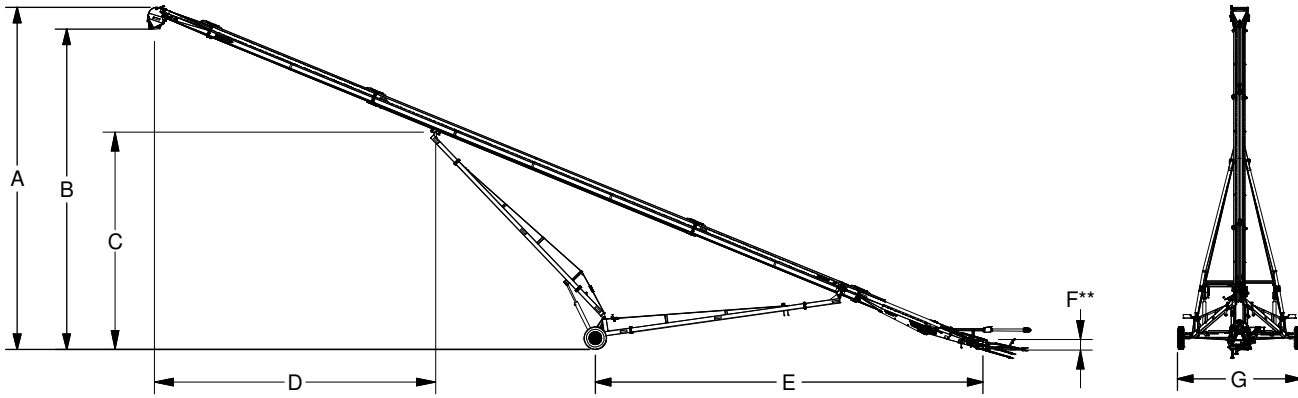
The **Hopper** is located at the rear end of the conveyor and is where the grain is deposited from a transport vehicle or another conveyor. The hopper has a spring loaded bale that allows the canvas sides of the hopper to collapse if contacted by the dumping vehicle.

The **Winch** is attached to the tube structure near the hopper. The winch is used to raise and lower the front end of the conveyor assembly.

The **Belt Tensioner** is used to properly tension the V-belts that will provide the necessary force to keep the belt tight.

SPECIFICATIONS

OVERALL SPECIFICATIONS



Model	Dimension	Transport* - HD Hitch		Transport* - Swing Hitch	25° Incline		Fully Raised		
		Long Intake	Short Intake	Short Intake	Long Intake	Short Intake	Long Intake	Short Intake	
20-80	A	11'-6"	10'-6"	11'-9"	35'-6"	34'-6"	44'-6"	46'-0"	
	B	8'-9"	7'-9"	8'-9"	33'-0"	32'-0"	42'-0"	43'-6"	
	C	8'-0"	7'-6"	8'-3"	24'-0"	23'-6"	27'-0"	27'-0"	
	D	16'-6"			22'-6"	21'-6"	26'-6"	26'-0"	
	E	46'-0"	41'-0"		43'-6"	38'-6"	41'-6"	36'-6"	
	F	Raised Short: 23"		Raised Long: 21"	Lowered Short/Long: 10"				
	G	12'-6"							
20-90	A	12'-6"	11'-6"	12'-6"	40'-0"	38'-6"	50'-0"	51'-6"	
	B	9'-9"	8'-9"	10'-0"	37'-6"	36'-6"	47'-6"	49'-0"	
	C	8'-0"	7'-6"	8'-0"	24'-0"	23'-6"	27'-0"	27'-0"	
	D	26'-6"			31'-6"	30'-6"	35'-0"	34'-6"	
	E	46'-0"	41'-0"		43'-6"	38'-6"	41'-6"	37'-0"	
	F	Raised Short: 23"		Raised Long: 21"	Lowered Short/Long: 10"				
	G	12'-6"							
20-100	A	12'-0"	11'-0"	12'-6"	44'-0"	43'-0"	61'-0"	63'-0"	
	B	6'-3"	8'-0"	9'-6"	41'-6"	40'-6"	58'-6"	60'-6"	
	C	7'-10"	7'-3"	8'-0"	27'-0"	26'-6"	31'-6"	31'-6"	
	D	28'-3"			34'-0"	33'-0"	39'-6"	38'-3"	
	E	50'-3"	45'-3"		47'-6"	43'-0"	45'-0"	40'-0"	
	F	Raised Short: 23"		Raised Long: 21"	Lowered Short/Long: 10"				
	G	Axles Retracted: 14'-0"		Axles Extended: 18'-0"					
20-110	A	12'-0"	10'-9"	12'-0"	48'-0"	47'-0"	60'-0"	61'-6"	
	B	9'-0"	7'-10"	9'-3"	45'-6"	44'-6"	57'-6"	59'-0"	
	C	7'-9"	7'-0"	7'-9"	28'-6"	28'-0"	31'-6"	31'-6"	
	D	31'-10"			40'-0"	39'-0"	44'-6"	44'-0"	
	E	56'-9"	51'-6"		52'-6"	48'-0"	50'-0"	45'-0"	
	F	Raised Short: 23"		Raised Long: 21"	Lowered Short/Long: 10"				
	G	Axles Retracted: 14'-0"		Axles Extended: 18'-0"					
20-120	A	N/A	11'-3"	12'-6"	N/A	51'-0"	N/A	67'-6"	
	B	N/A	8'-6"	9'-9"	N/A	48'-6"	N/A	65'-0"	
	C	N/A	7'-9"	8'-6"	N/A	32'-0"	N/A	36'-6"	
	D	N/A	29'-6"		N/A	38'-0"	N/A	44'-6"	
	E	N/A	59'-6"		N/A	55'-6"	N/A	51'-6"	
	F	Raised: 23"		Lowered: 10"					
	G	Axles Retracted: 14'-0"		Axles Extended: 18'-0"					

* Transport Height taken with top of Hitch at 16" and Cylinder Stop in place

** With the Conveyor end on the Ground, measured from Top of Grade to Top of Canvas

ELECTRICAL SPECIFICATIONS

There are different voltage and phase options available for the conveyors. The table below lists these various options and the corresponding part numbers. These components must be purchased separately.

Electric Motor Options			
Conveyor Length	Motor Size and Voltage		
20-80	25hp	3 phase	230/460V
	25hp	3 phase	575V
20-90/100/110	30hp	3 phase	230/460V
	30hp	3 phase	575V
20-120	40hp	3 phase	460V

BOLT SPECIFICATIONS

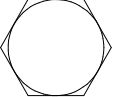


The torque value for bolts and capscrews are identified by their head markings. Replacing higher Grade bolts (Grade 8) with lower Grade bolts (Grade 5) will lead to conveyor failure and can result in injury or death. Always use replacement bolts with the same Grade markings as the removed bolt.

BOLT TORQUE VALUES

Torque figures indicated above are valid for nongreased or non-oiled threads and heads unless otherwise specified. Therefore, do not grease or oil bolts or capscrews unless otherwise instructed in this manual. When using locking elements, increase torque values by 5%.

Bolt Diameter A	SAE Grade 2 N.m (ft-lbs)		SAE Grade 5 N.m (ft-lbs)		SAE Grade 8 N.m (ft-lbs)	
	N.m	(ft-lbs)	N.m	(ft-lbs)	N.m	(ft-lbs)
1/4	8	(6)	12	(9)	17	(12)
5/16	13	(10)	25	(19)	36	(27)
3/8	27	(20)	45	(33)	63	(45)
7/16	41	(30)	72	(53)	100	(75)
1/2	61	(45)	110	(80)	155	(115)
9/16	95	(70)	155	(115)	220	(165)
5/8	128	(95)	215	(160)	305	(220)
3/4	225	(165)	390	(290)	540	(400)
7/8	230	(170)	570	(420)	880	(650)
1	345	(225)	850	(630)	1320	(970)

GRADE MARKINGS CHART

 No Marking	Grade 2 Low or Medium Carbon Steel
 3 Radial Lines	Grade 5 Medium Carbon Steel Quenched and Tempered
 6 Radial Lines	Grade 8 Medium Carbon Alloy Steel, Quenched and Tempered

TUBE ASSEMBLY

Each Conveyor has a specific order in which the tubes are connected. See Figure 1 for the tube order of assembly.

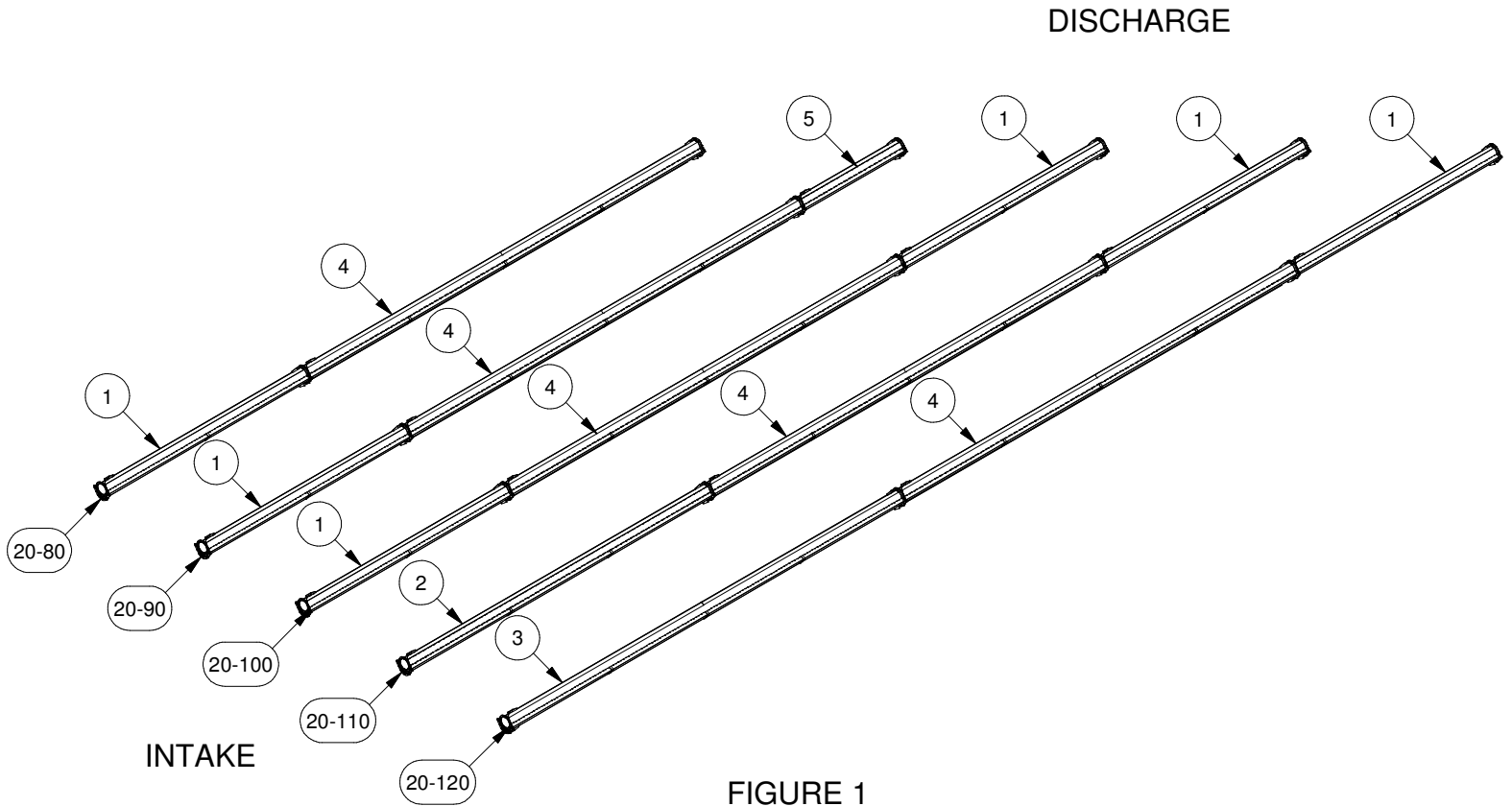


FIGURE 1

REF #	PART #	DESCRIPTION
1	13000005586-00	Tube 20' - Red
2	13000005670-00	Tube 30' - Red
3	13000005588-00	Tube 39' Angle - Red
4	13000005590-00	Tube 39' Track - Red
5	13000005584-00	Tube - 10' Red

TUBE ASSEMBLY

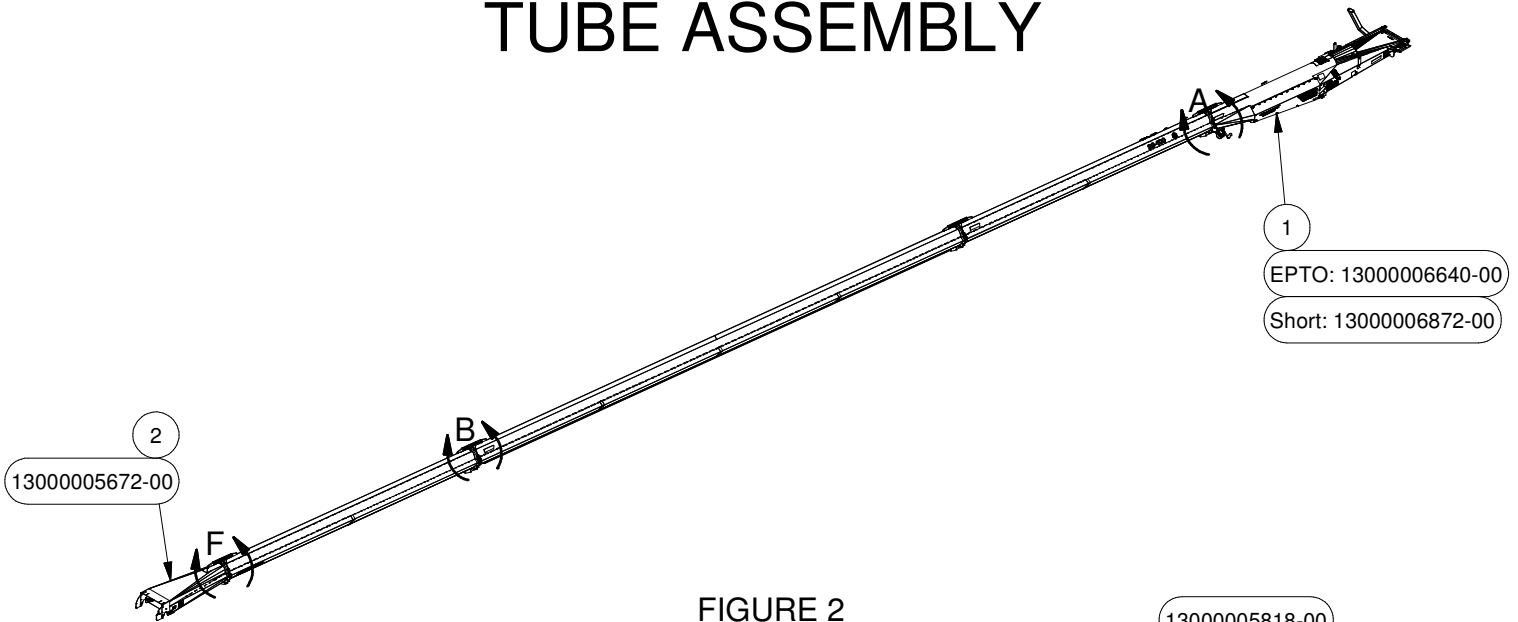
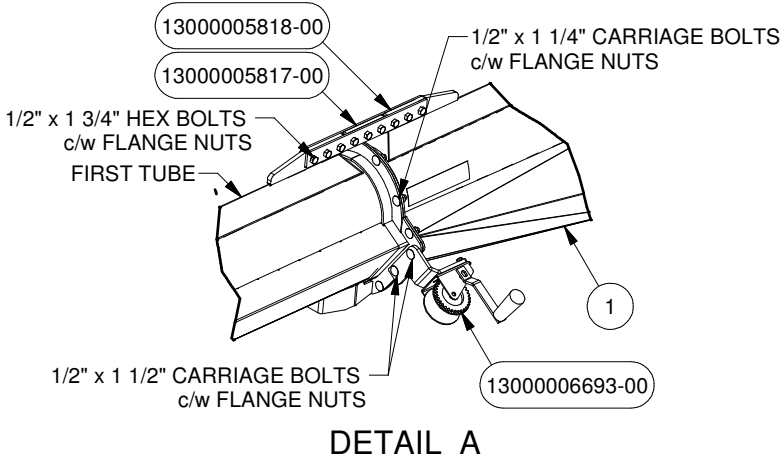
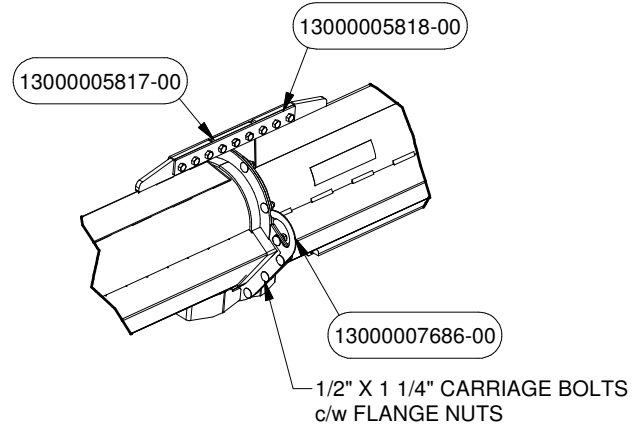


FIGURE 2

1. Attach the Intake (Item 1 on Figure 2) to the First Tube by using 2 Tube Outside Brace PN# 5818 and Tube Spacer Plate PN# 5817 complete with Bolts and Nuts found in Bolt Bag PN# 6692. Mount the Winch PN# 6693 to the Tube Flange using Carriage Bolts c/w Hex Nuts (See Detail A). All parts and Bolt Bag can be found in the Intake Hardware Box PN# 6685/6913/7526.



DETAIL A



DETAIL B

3. For 20-120 Conveyors, on the connection between the two 39ft Tubes PN# 5588 and 5590, attach 2 braces PN# 6343 onto PN# 5590 with Bolt and Nuts found in Bolt Bag PN# 6997. Fasten 2 Tube Outside Brace PN# 6345 to Tube PN# 5588 and PN# 6343 with Bolts and Nuts found in Bolt Bag PN# 6997. See details found in Figure 3.

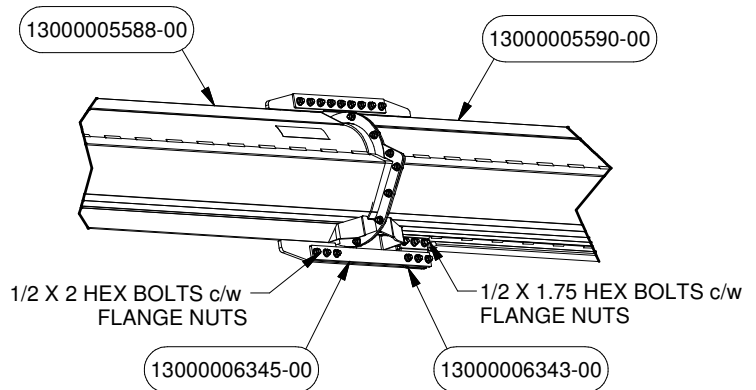


FIGURE 3

2. Attach the second Tube to the first Tube using 2 Tube Outside Brace PN# 5818 and Tube Spacer Plate PN# 5817 complete with Bolts and Nuts found in Bolt Bag PN# 5820 (See Detail B). At each Tube/Tube connection, attach PN# 7686 on the winch side.

All parts and Bolt Bag can be found in the Decals, Cable, Connection Hardware Box. Repeat for all remaining tubes.

EPTO/SHORT INTAKE ASSEMBLY

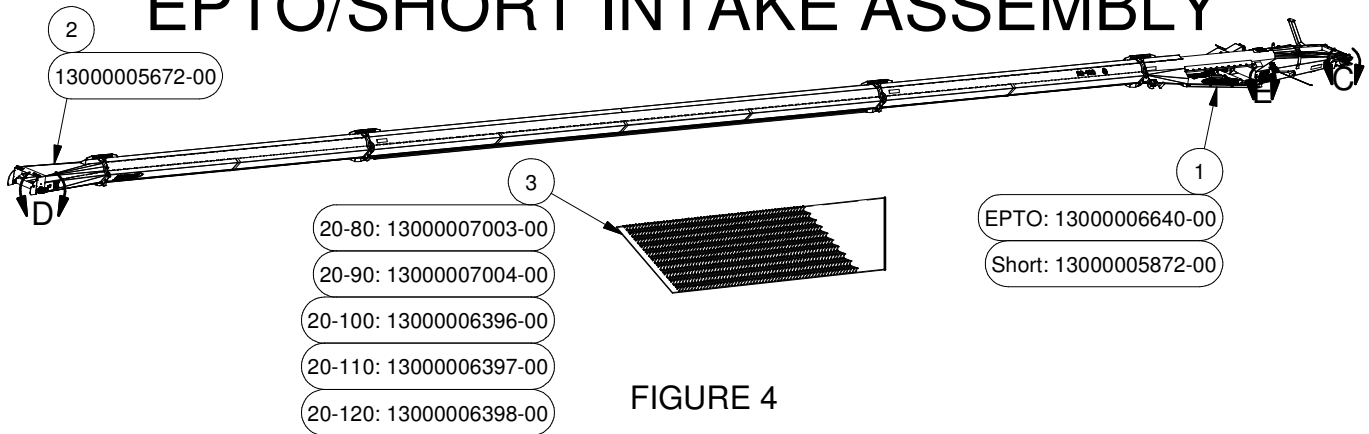
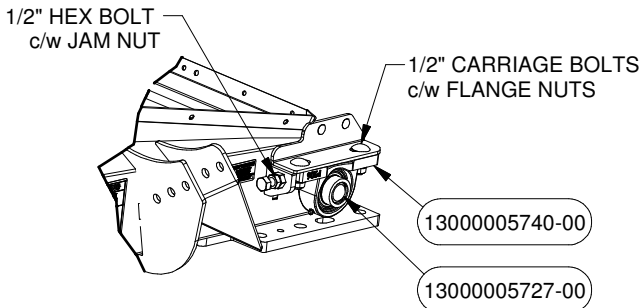


FIGURE 4

4. Attach the Roller PN# 5727 and Bearings PN# 5740 to the Intake (Item 1) using Carriage Bolts c/w Flange Nuts. Attach 1/2" Hex Bolt c/w Jam Nut as shown in Detail C. Fasteners are found in Bolt Bag PN# 6657.

All parts and Bolt Bag can be found in the EPTO or Intake Hardware Box PN# 6685/6913/7526.

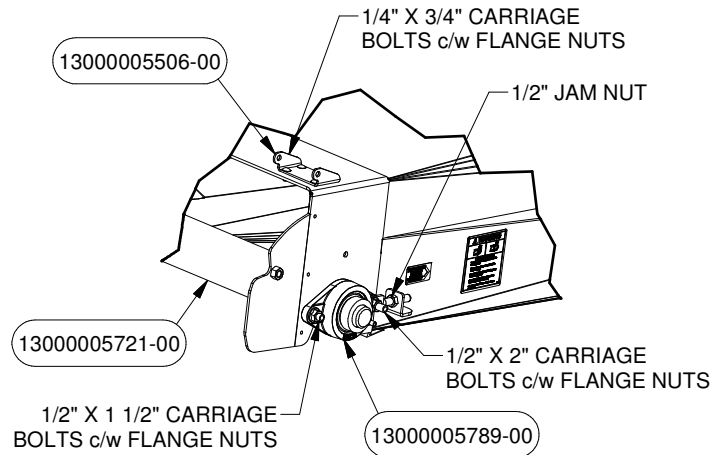


DETAIL C

5. Attach the Roller PN# 5721 and Bearings PN# 5789 to the Discharge PN# 5672 using Carriage Bolts c/w Flange Nuts (See Detail D). Attach the Adjuster Tab PN# 5503 c/w Jam Nut as shown below. Fasteners can be found in Bolt Bag PN# 6072.

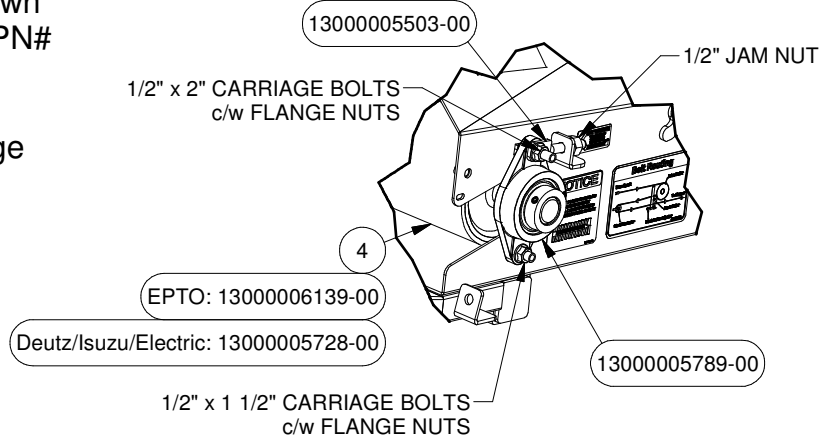
Attach the Hinges PN# 5506 to the Discharge using Carriage Bolts c/w Flange Nuts (See Detail D). Fasteners are found in Bolt Bag PN# 5816.

All parts and Bolt Bag can be found in the Discharge Hardware Box PN# 6215.



DETAIL D

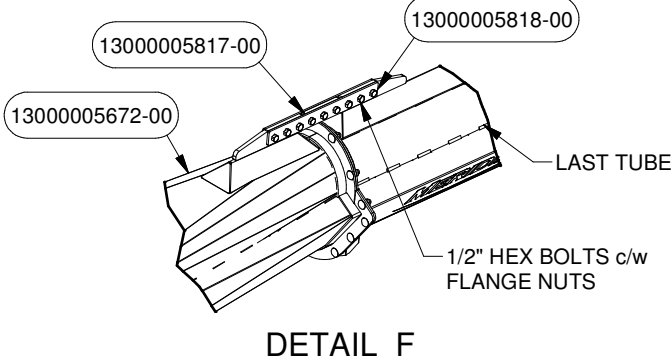
6. Attach the Roller (Item 4 in Detail E) and Bearings PN# 5789 to the Intake (Item 1 in Figure 4) using Carriage Bolts c/w Flange Nuts (See Detail E). Attach the Adjuster Tab PN# 5503 c/w Jam Nut as shown in Detail E. Fasteners can be found in Bolt Bag PN# 5830. All parts and Bolt Bag can be found in the EPTO/Deutz/Isuzu Hardware Boxes PN# 6685/6918/7044.



DETAIL E

7. Attach the Discharge Top Box PN# 5672 to the last Tube using 2 Tube Outside Brace PN# 5818 and Tube Spacer Plate PN# 5817 complete with Bolts and Nuts found in Bolt Bag PN# 5820 (See Detail F).

All parts and Bolt Bag can be found in the Discharge Hardware Box PN# 6215.



DETAIL F

8. Attach a cable or rope to one end of the Conveyor Belt (Item 4 in Figure 4). Insert the Belt in the Intake and pull it into the tube structure with the cable or rope until it comes out from the Discharge.

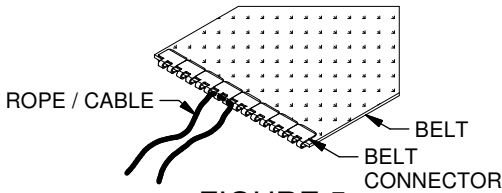


FIGURE 5

9. Feed the belt back through the tube structure. Pull it with the cable or rope until it comes out from the Intake, then join the two ends together using the belt connectors.

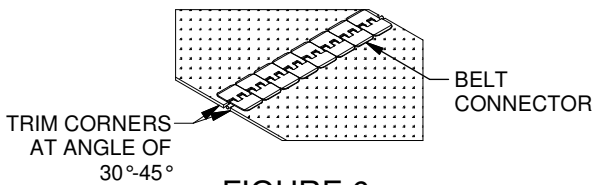


FIGURE 6

10. Assemble the hopper (Figure 5). For Steps 9 to 31 all parts and Bolt Bag can be found in the EPTO or Intake Hardware Box PN# 6685/ 6913.

Attach the Cover PN# 6335 to the Intake using Carriage Bolts c/w Stover Nuts (see Detail G) that can be found in Bolt Bag PN# 6657.

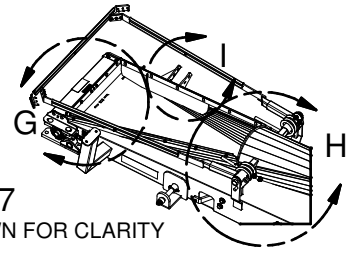
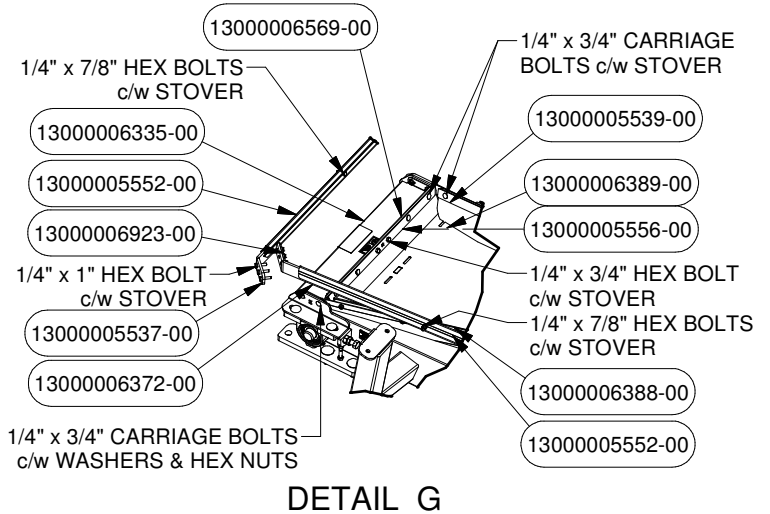


FIGURE 7

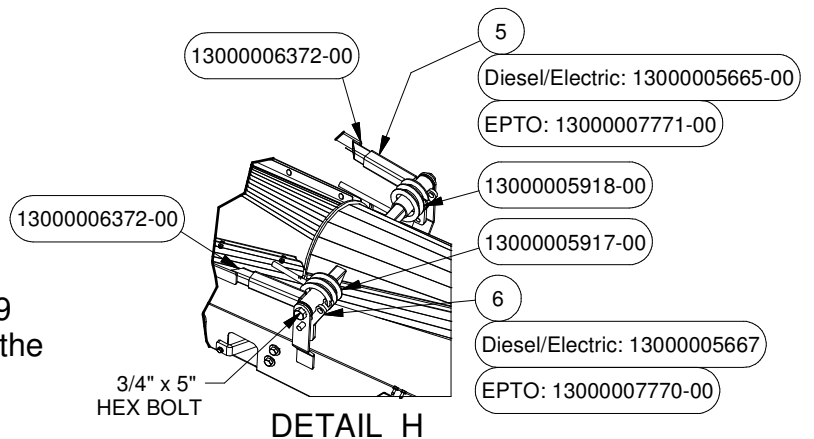
NOTE: CANVAS NOT SHOWN FOR CLARITY



DETAIL G

11. Insert the Springs PN# 5918 and 5917 to the LH Pivot (Item 5) and RH Pivot (Item 6) as shown in Detail H. Attach both Pivots to the Intake using Hex Bolts that can be found in Bolt Bag PN# 6655.

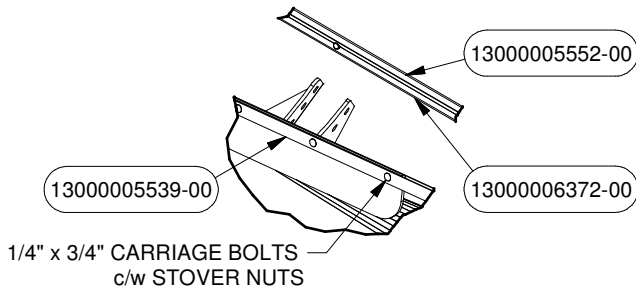
12. Attach the RH Hopper Hoop PN# 6372 to Item 6 PN# 5667 and LH Hopper Hoop PN# 6372 to LH Pivot (Item 6) (See Detail H). Connect PN# 6372 with the Cross Arm PN# 5537 using Hex Bolts c/w Stover Nut (See Detail G). Fasteners can be found in Bolt Bag PN# 6655.



DETAIL H

13. Attach the Canvas PN# 6798 to PN# 6372 and PN# 5537 using the Plates PN# 6923 and Clips PN# 5552 c/w Hex Bolts and Nuts (See Detail G and Detail I). Fasteners can be found in Bolt Bag PN# 6655.

14. Attach the Canvas PN# 6798 to the Intake by placing Rubbers PN# 6569, 6388, and 6389 on top and insert the Flashing Strips PN# 5539, and 5556 into the Canvas then fasten it using Carriage Bolts c/w Flange Nuts (see Details G, H and I for locations). Fasteners can be found in Bolt Bag PN# 6655.



DETAIL I

15. Attach the Scraper PN# 5553 to the Intake PN# 6640. Insert the other end in to a Rectangular Hole then fasten it using Hex Bolt c/w Nuts and Washer. Fasteners can be found in EPTO /Short Intake Hardware Box PN# 6685/6913 in Bolt Bag PN# 6682/6915. See Figure 8 for details.

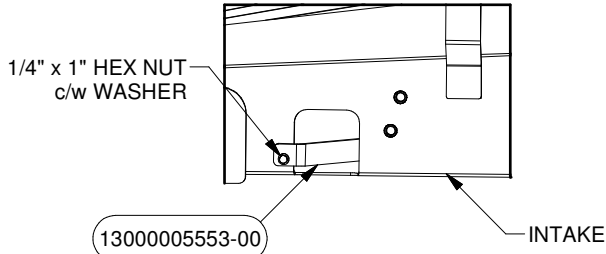


FIGURE 8

16. Loop the conveyor belt and slide in Rollers PN# 5726 and 5730 as shown in Figure 9.

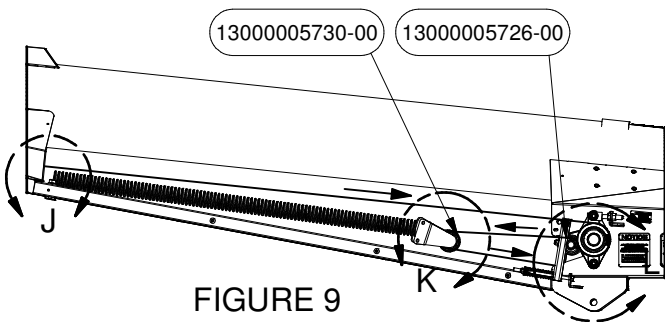
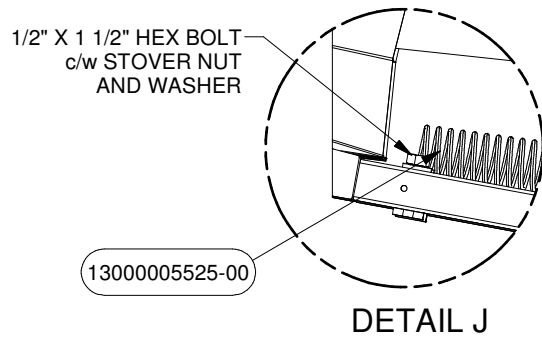


FIGURE 9

NOTE: GUARDS NOT SHOWN FOR CLARITY

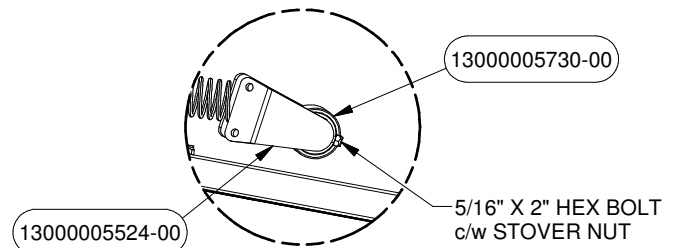
17. Attach the Springs PN# 5525 to the Intake using Hex Bolts c/w Stover Nuts and Washers as shown in Detail J. Fasteners can be found in Bolt Bag PN# 5830.



DETAIL J

18. Attach the Springs PN# 5525 to the SE Cup as shown in Detail K, then attach the SE Cup to the Roller PN# 5730 using Hex Bolts c/w Stover Nuts. Fasteners can be found in Bolt Bag PN# 5830.

Distance between the centre of Roller 5730 and centre of the drive roller (Item 4) must be 12-16" (see Figure 10). If not, add or remove belt length.



DETAIL K

NOTE: BELT NOT SHOWN FOR CLARITY

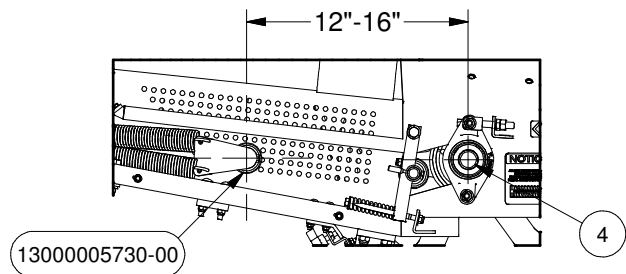
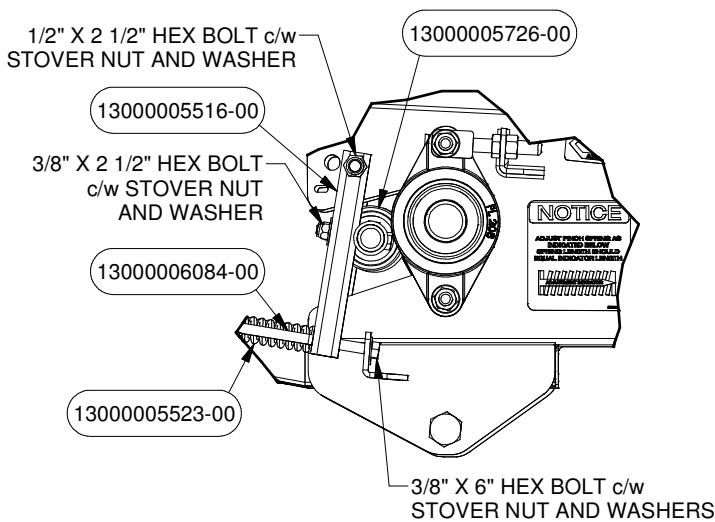


FIGURE 10

19. Attach the Pinch Tube PN# 5516 to the Intake PN# 6640 using Hex Bolt c/w Stover Nut and washer (See Detail L). Fasteners can be found in Bolt Bag PN# 5830.

20. Attach the Roller PN# 5726 to the Pinch Tube using Hex Bolts c/w Stover Nut and washer. (See Detail L) Fasteners can be found in Bolt Bag PN# 5830.

21. Attach the Indicator PN# 6084 and the Spring PN# 5523 to the Pinch Tube using Hex Bolt c/w Stover Nut and Washers (See Detail L). Fasteners can be found in Bolt Bag PN# 5830.



DETAIL L

22. Attach the Top Guard PN# 5594 to the Intake using the Brackets PN# 5555 and fasten it using Self Tapping Screws that can be found in Bolt Bag PN# 5830 (See Figure 11).

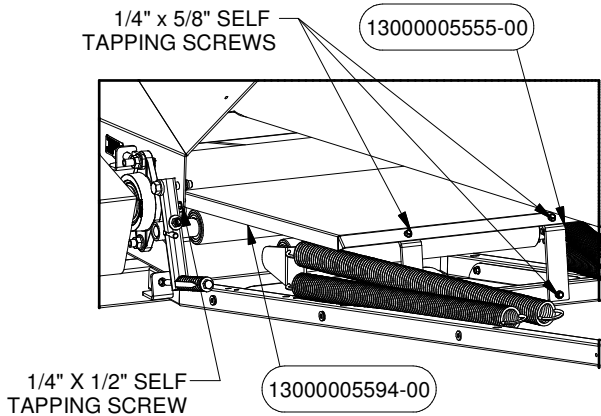


FIGURE 11

23. Attach the Bottom Guard PN# 5554 to the Intake using Self Tapping Screws that can be found in Bolt Bag PN# 5830 (See Figure 12).

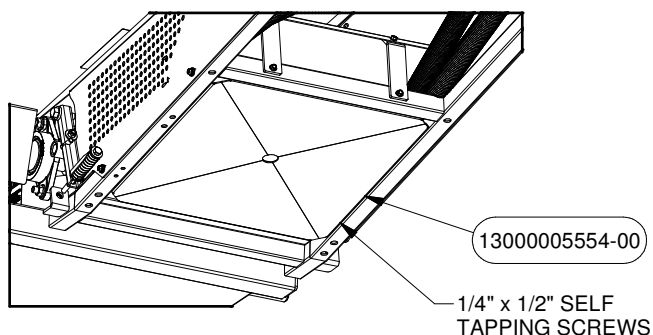


FIGURE 12

24. Apply some glue to the Grip Handle PN# 5805 then insert it to the Crank PN# 6225. Slide in the RH Sleeve PN# 6226, Crank Stop PN# 5982, and Crank Washer PN# 6025 to the Crank and fasten the RH Sleeve using 1/4" Hex Bolt c/w Nylock Nut (See Detail M).

Insert the Cable (Item 7 in Figure 13) in to the hole of RH Sleeve and pull it out from the Crank. Slide in the Crank Assembly to the Intake and attach LH Sleeve PN# 6227 using 1/4" Hex Bolt c/w Nylock as shown in Detail M.

Insert the end of the Cable in to the hole of the LH Sleeve then thread both ends to the hole of the Pivots (Item 5 & 6 in Figure 13) and clamp it using Cable Clamps PN# 32014109.

Mount the Crank Washer PN# 6025 to the Intake using 3/8" Hex Bolt c/w Nylock Nut.

Clamps and Fasteners can be found in Bolt Bag PN# 6655 and PN# 6027.

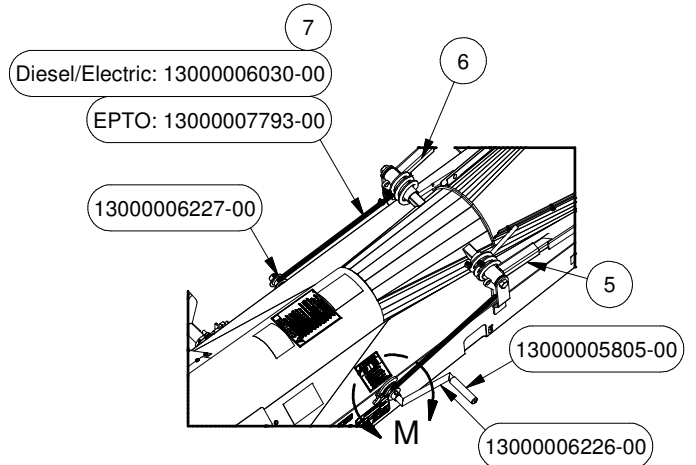
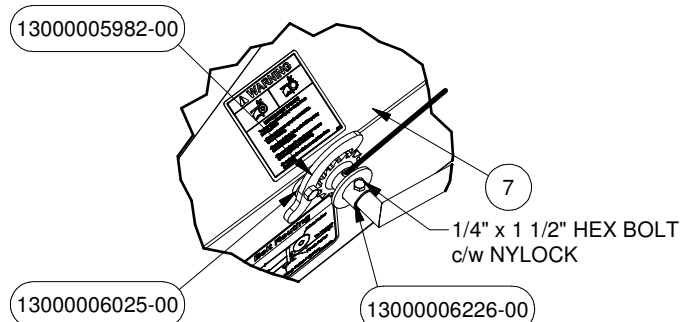


FIGURE 13



DETAIL M

LONG INTAKE - TUBE ASSEMBLY

Each Conveyor has a specific order in which the tubes are connected.
See Figure 1 for the tube order of assembly.

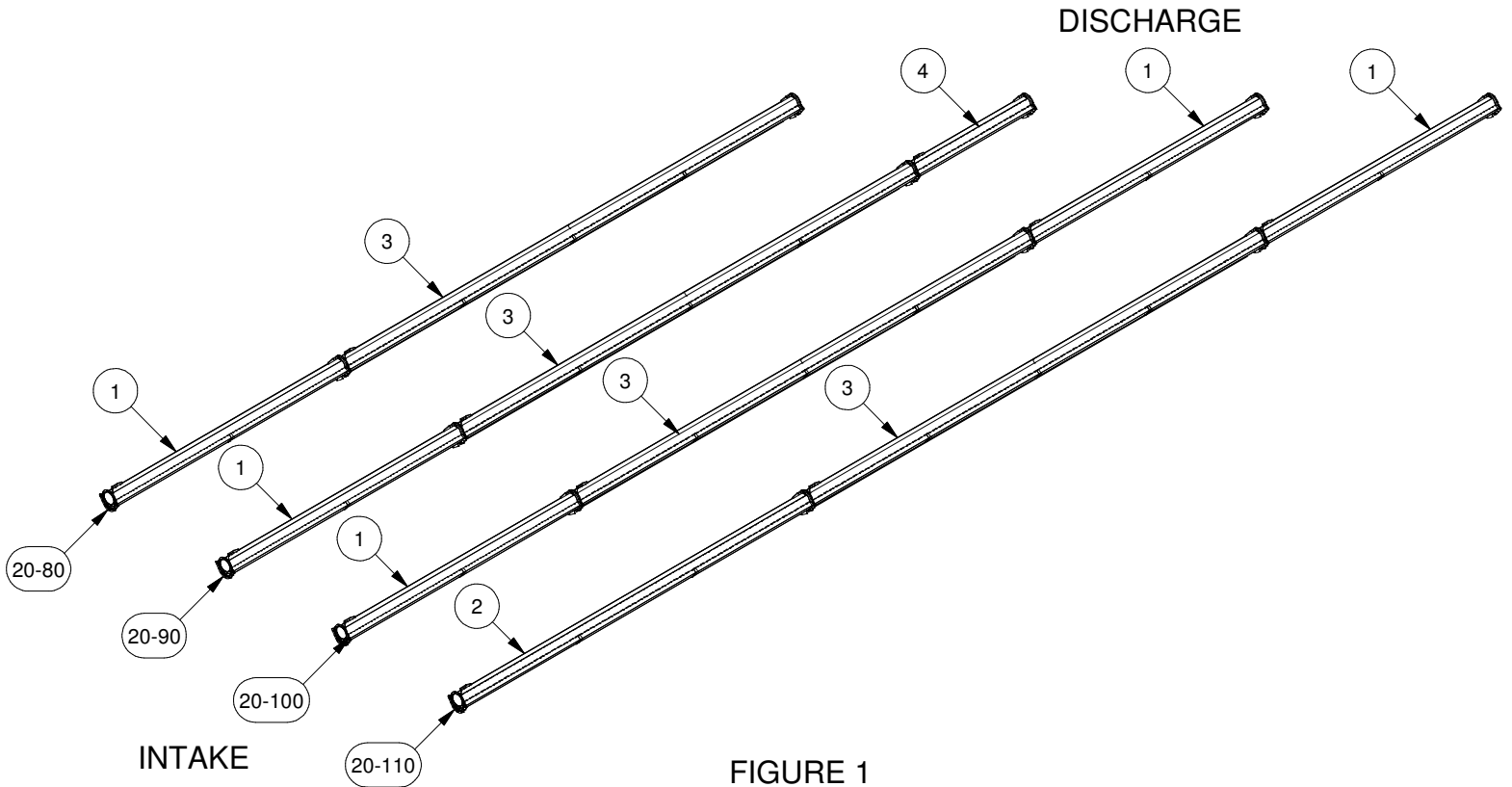


FIGURE 1

REF #	PART #	DESCRIPTION
1	13000005586-00	Tube 20' - Red
2	13000005670-00	Tube 30' - Red
3	13000005590-00	Tube 39' Track - Red
4	13000005584-00	Tube - 10' Red

LONG INTAKE - TUBE ASSEMBLY

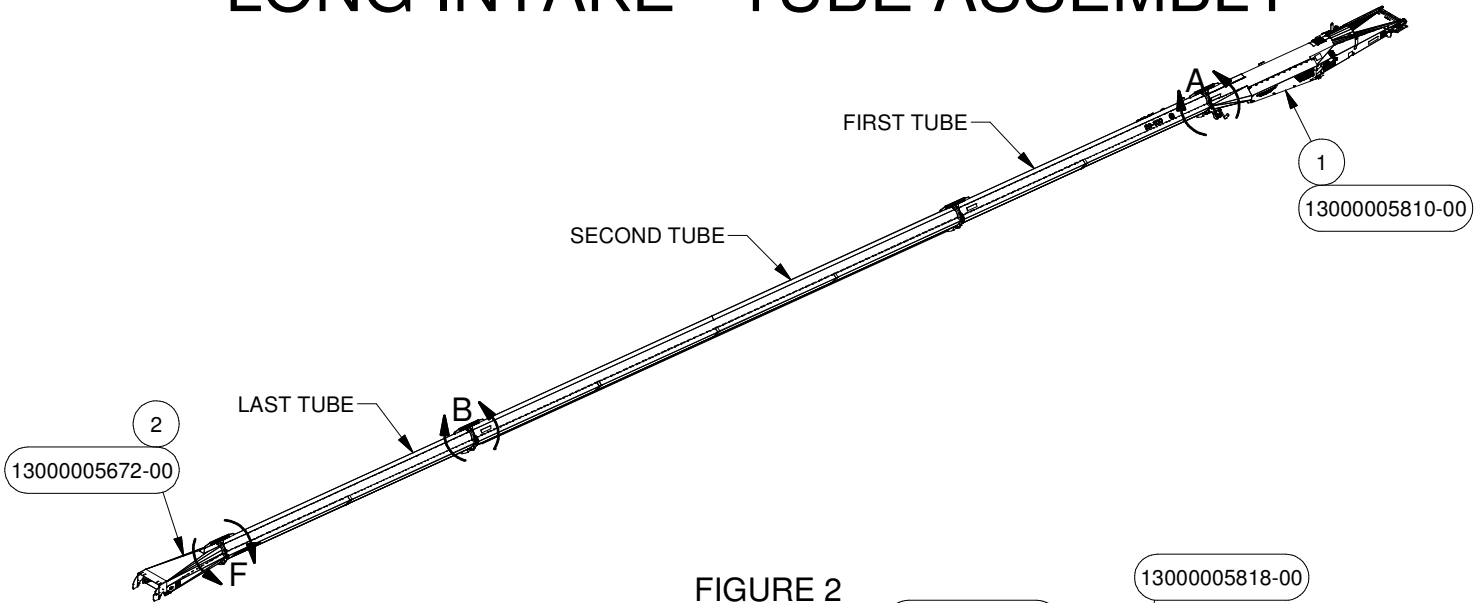
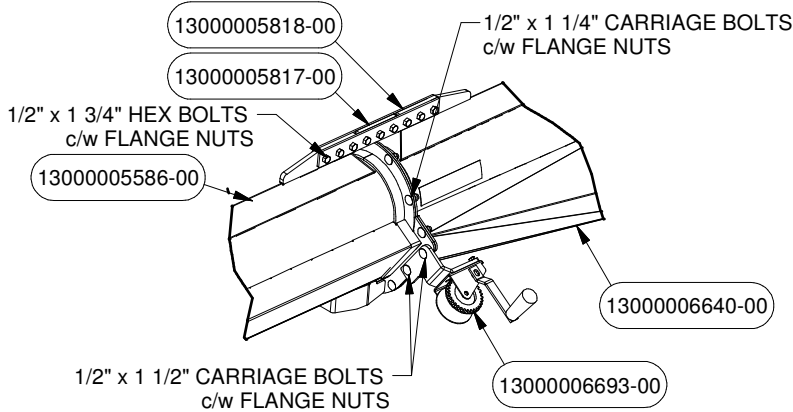
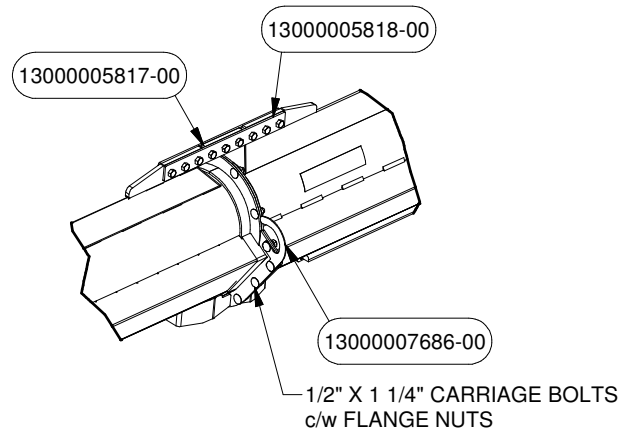


FIGURE 2

1. Attach the Intake (Item 1 in Figure 1) to the First Tube by using 2 Tube Outside Brace PN# 5818 and Tube Spacer Plate PN# 5817 complete with Bolts and Nuts found in Bolt Bag PN# 6692. Mount the Winch PN# 6693 to the Tube Flange using Carriage Bolts c/w Hex Nuts (See Detail A). All parts and Bolt Bag can be found in the Long Intake Hardware Box PN# 7526.



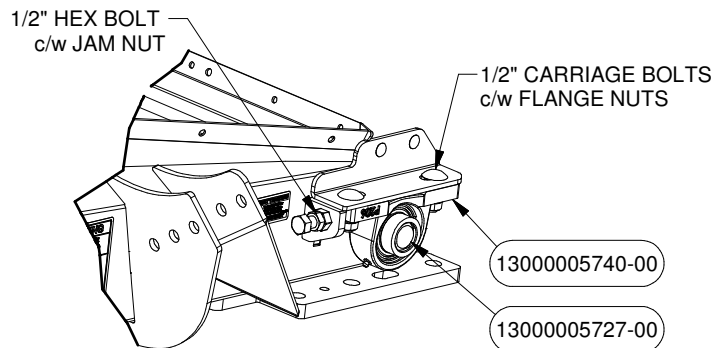
DETAIL A



DETAIL B

4. Attach the Roller PN# 5727 and Bearings PN# 5740 to the Intake PN# 5810 using Carriage Bolts c/w Flange Nuts (See Detail C). Attach 1/2" Hex Bolt c/w Jam Nut as shown below. Fasteners are found in Bolt Bag PN# 6657.

All parts and Bolt Bag can be found in the Long Intake Hardware Box PN# 7526.



DETAIL C

2. Attach the second Tube to the first Tube using 2 Tube Outside Brace PN# 5818 and Tube Spacer Plate PN# 5817 complete with Bolts and Nuts found in Bolt Bag PN# 5820 (See Detail B). At each Tube/Tube connection, attach PN# 7686 on the winch side.

All parts and Bolt Bag can be found in the Decals, Cable, Connection Hardware Box. Repeat for all remaining tubes.

LONG INTAKE ASSEMBLY

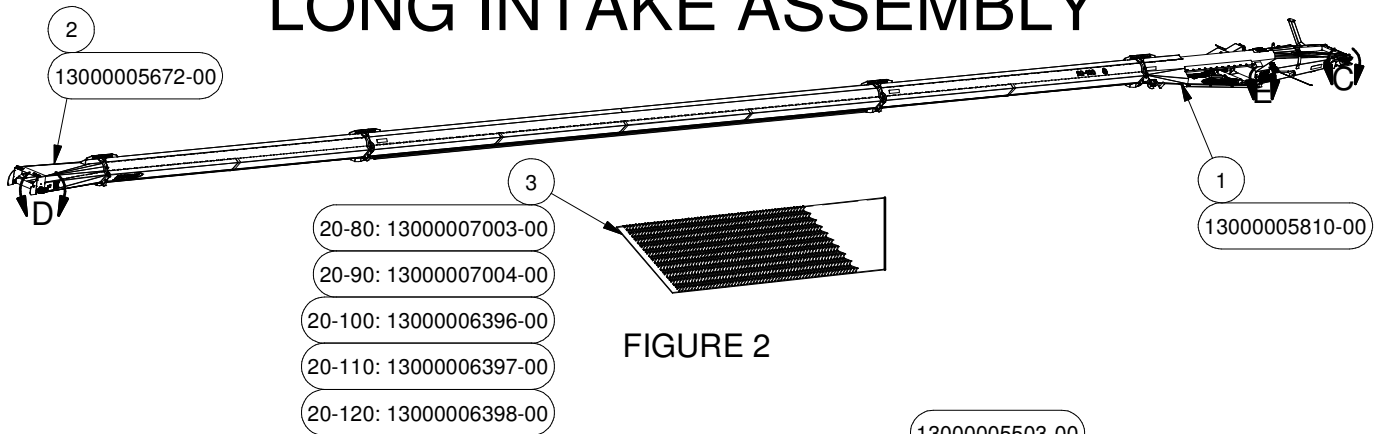
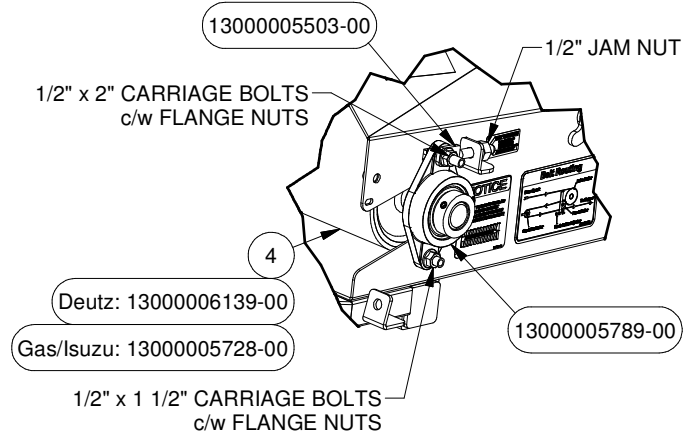


FIGURE 2

- Attach the Roller PN# 5721 and Bearings PN# 5789 to the Discharge PN# 5672 using Carriage Bolts c/w Flange Nuts (See Detail D). Attach the Adjuster Tab PN# 5503 c/w Jam Nut as shown below. Fasteners can be found in Bolt Bag PN# 6072.

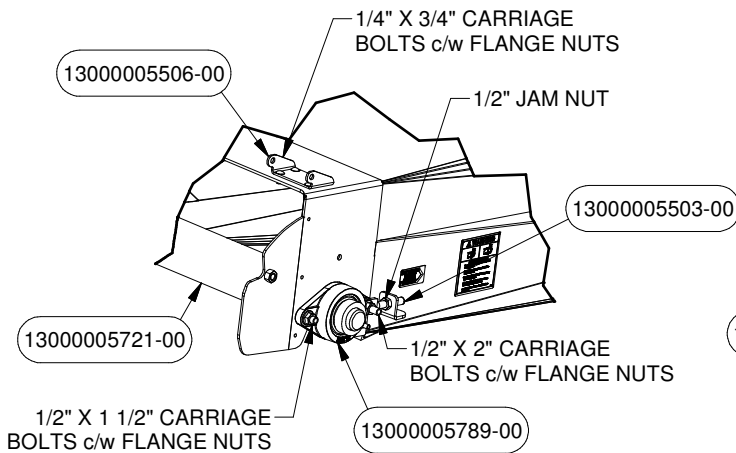
Attach the Hinges PN# 5506 to the Discharge using Carriage Bolts c/w Flange Nuts (See Detail D). Fasteners are found in Bolt Bag PN# 5816.

All parts and Bolt Bag can be found in the Discharge Hardware Box PN# 6215.



DETAIL E

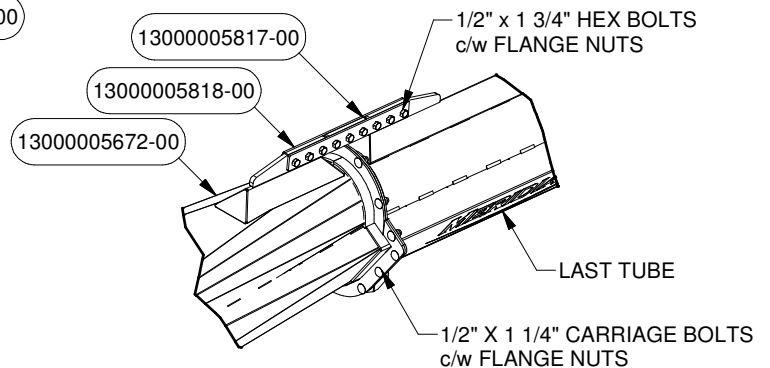
- Attach the Discharge Top Box PN# 5672 to the last Tube using 2 Tube Outside Brace PN# 5818 and Tube Spacer Plate PN# 5817 complete with Bolts and Nuts found in Bolt Bag PN# 5820 (See Detail F). All parts and Bolt Bag can be found in the Discharge Hardware Box PN# 6215.



DETAIL D

- Attach the Roller (Item 4) and Bearings PN# 5789 to the Intake (Item 1) using Carriage Bolts c/w Flange Nuts (See Detail E). Attach the Adjuster Tab PN# 5503 c/w Jam Nut as shown in Detail E. Fasteners can be found in Bolt Bag PN# 5830.

All parts and Bolt Bag can be found in the Gas/Deutz/Isuzu Hardware Boxes PN# 7591/ 6918/ 7044.



DETAIL F

- Attach a cable or rope to one end of the Conveyor Belt (Item 4 in Figure 2). Insert the Belt in the Intake and pull it into the tube structure with the cable or rope until it comes out from the Discharge.

LONG INTAKE SETUP

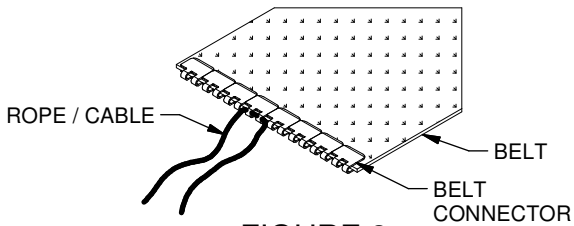


FIGURE 3

9. Feed the belt back through the tube structure. Pull it with the cable or rope until it comes out from the Intake, then join the two ends together using the belt connectors. See Figure 4 for details.

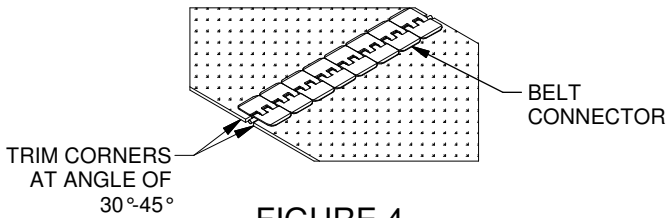


FIGURE 4

10. Assemble the hopper (Figure 5). For Steps 1 to 6, all Parts and Bolt Bag can be found in the Long Intake Hardware Box PN# 7256 and Misc Bundle PN# 6216.

Attach the Cover PN# 6335 to the Intake using Carriage Bolts c/w Nylock Nuts (see Detail G) that can be found in Bolt Bag PN# 5825.

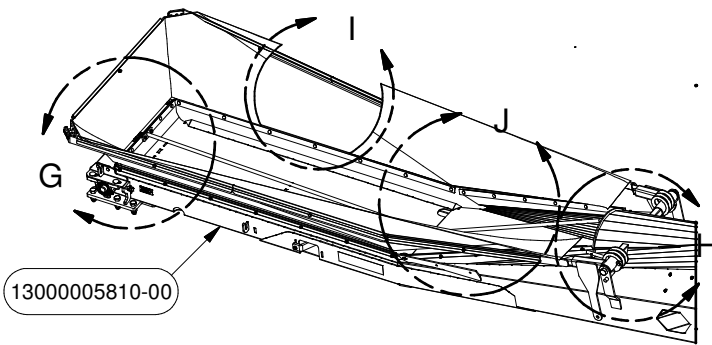
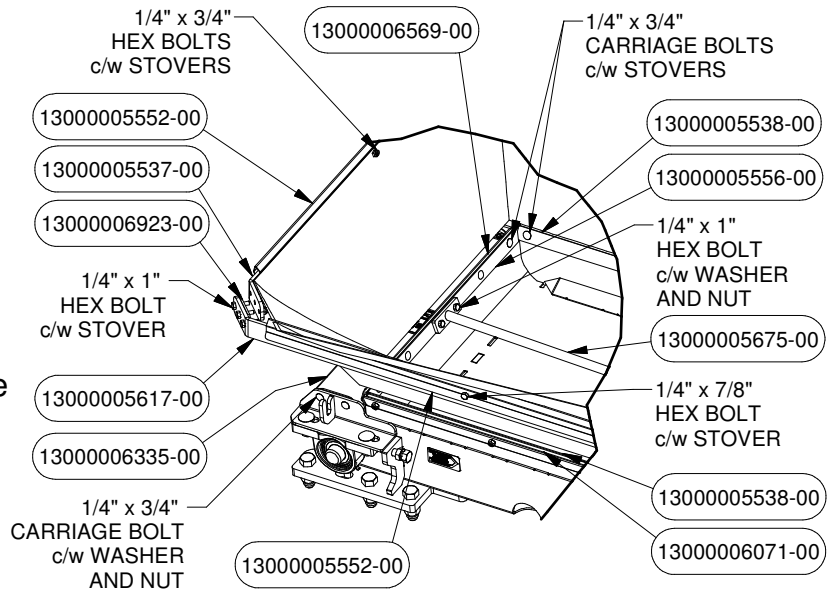


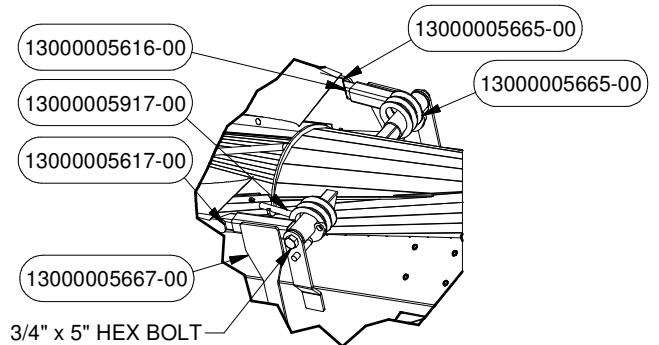
FIGURE 5



DETAIL G

11. Insert the Springs PN# 5918 and 5917 to the LH Pivot PN# 5665 and RH Pivot Pin PN# 5667 as shown in in Detail H. Attach both Pivots to the Intake using Hex Bolts that can be found in Bolt Bag PN# 6026.

12. Attach the RH Hopper Hoop PN# 5617 to RH Pivot PN# 5667 and LH Hopper Hoop PN# 5616 to LH Pivot PN# 5665 (see Detail H). Connect PN# 5617 and PN# 5616 with the Cross Arm PN# 5537 using Hex Bolts c/w Stovers (See Detail G). Fasteners can be found in Bolt Bag PN# 6026.

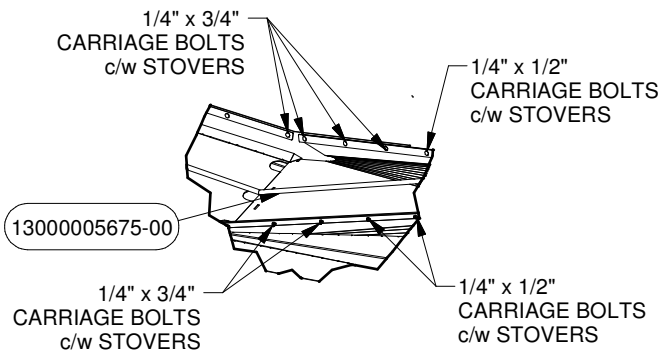
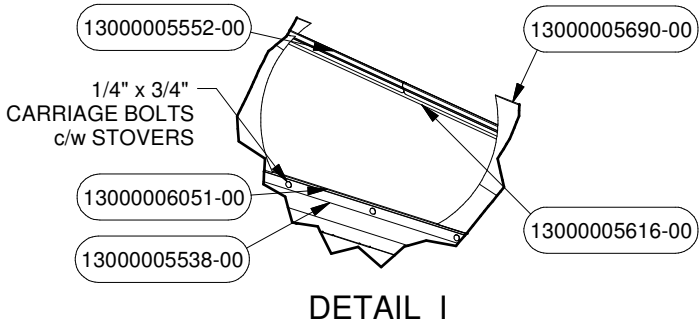


DETAIL H

13. Plate PN# 6923 in between PN# 5537 and PN# 6616/6617 and Canvas. Attach the Canvas PN# 5690 to PN# 5616, 5617 and 5537 using Clips PN# 5552 c/w Hex Bolts and Nuts (see Detail G and Detail H). Fasteners can be found in Bolt Bag PN# 6026.

LONG INTAKE SETUP

5. Attach the Canvas PN# 5690 to the Intake by placing Rubbers PN# 6569, 6051 and 6071 on top and insert the Flashing Strip PN# 5538, 5539 and 5556 into the Canvas then fasten it using Carriage Bolts c/w Flange Nuts. See Details G, I, and J for locations. Fasteners can be found in Bolt Bag PN 6026.



NOTE: CANVAS NOT SHOWN FOR CLARITY

6. Insert the end of the Belt Depressor PN# 5675 into a hole in a flange as shown in Figure 6. Then attach it at the end of the Intake using 1/4" Hex Bolts, Washers and Nuts found in Bolt Bag PN# 6026 as shown in Detail G.

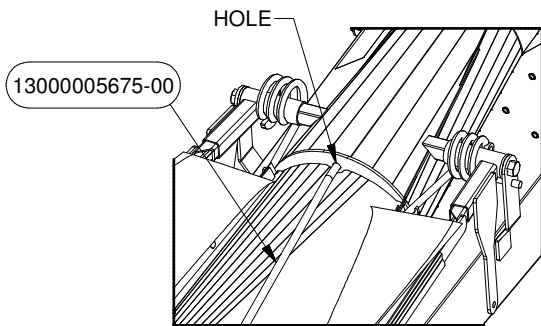


FIGURE 6

15. Attach the Scraper PN# 5553 to the Intake PN# 6640. Insert the other end in to a Rectangular Hole then fasten it using Hex Bolt c/w Nuts and Washer. Fasteners can be found in EPTO /Short Intake Hardware Box PN# 6685/6913 in Bolt Bag PN# 6682/6915. See Figure 7 for details.

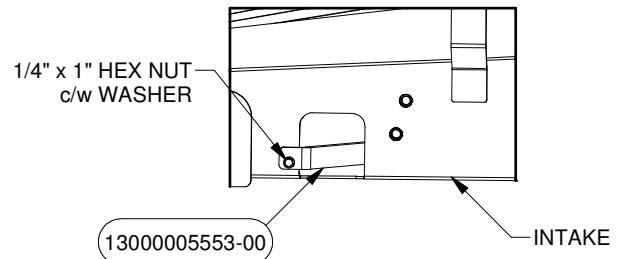


FIGURE 7

16. Loop the conveyor belt and slide in Rollers PN# 5726 and 5730 as shown in Figure 8.

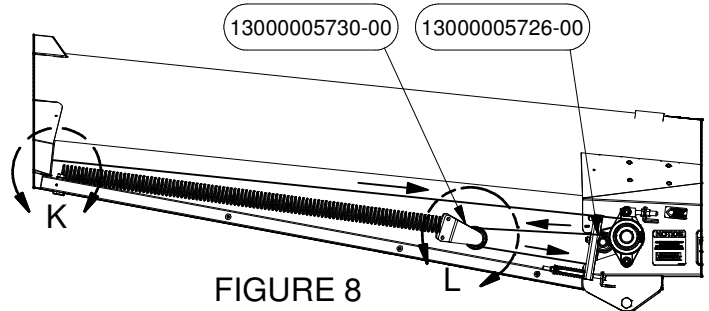
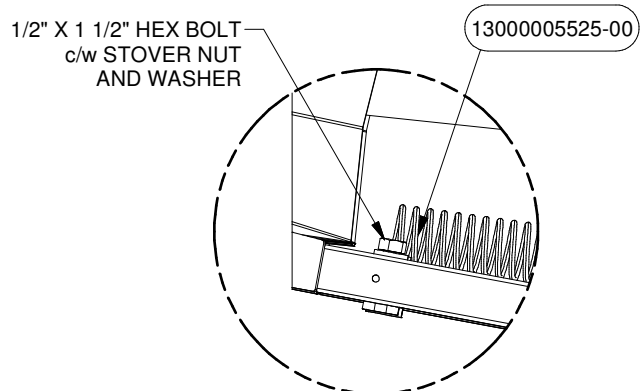


FIGURE 8

NOTE: GUARDS NOT SHOWN FOR CLARITY

17. Attach the Springs PN# 5525 to the Intake using Hex Bolts c/w Stover Nuts and Washers as shown in Detail K. Fasteners can be found in Bolt Bag PN# 5830.

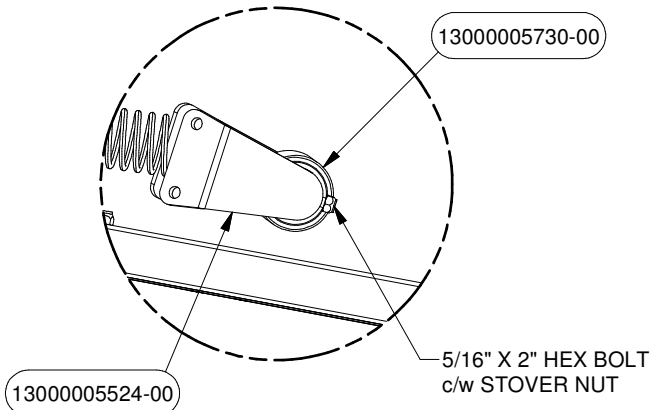


DETAIL K

LONG INTAKE SETUP

18. Attach the Springs PN# 5525 to the SE Cup as shown in Detail L, then attach the SE Cup to the Roller PN# 5730 using Hex Bolts c/w Stover Nuts. Fasteners can be found in Bolt Bag PN# 5830.

Distance between the centre of Roller 5730 and centre of the drive roller (Item 4) must be 12-16" (see Figure 9). If not, add or remove belt length.



DETAIL L

NOTE: BELT NOT SHOWN FOR CLARITY

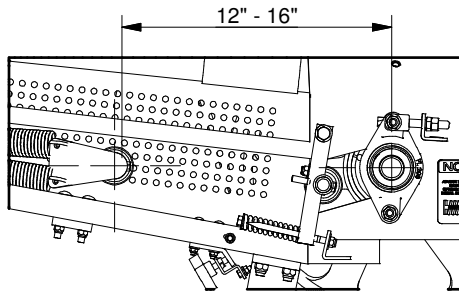
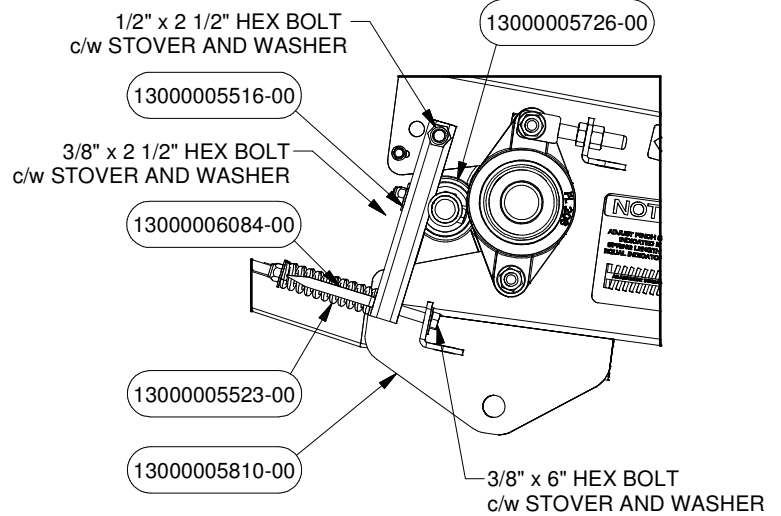


FIGURE 9

19. Attach the Pinch Tube PN# 5516 to the Intake PN# 6640 using Hex Bolt c/w Stover Nut and washer (See Detail M). Fasteners can be found in Bolt Bag PN# 5830.

20. Attach the Roller PN# 5726 to the Pinch Tube using Hex Bolts c/w Stover Nut and washer. (See Detail M) Fasteners can be found in Bolt Bag PN# 5830.

21. Attach the Indicator PN# 6084 and the Spring PN# 5523 to the Pinch Tube using Hex Bolt c/w Stover Nut and Washers (See Detail M). Fasteners can be found in Bolt Bag PN# 5830.



DETAIL M

22. Attach the Top Guard PN# 5594 to the Intake using the Brackets PN# 5555 and fasten it using Self Tapping Screws that can be found in Bolt Bag PN# 5830 (see Figure 10).

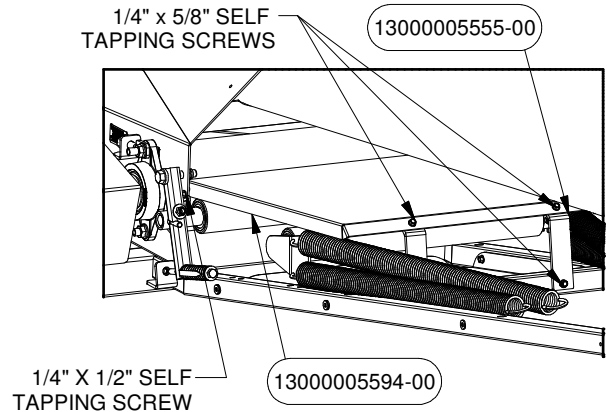


FIGURE 10

23. Attach the Bottom Guard PN# 5554 to the Intake using Self Tapping Screws that can be found in Bolt Bag PN# 5830 (See Figure 11).

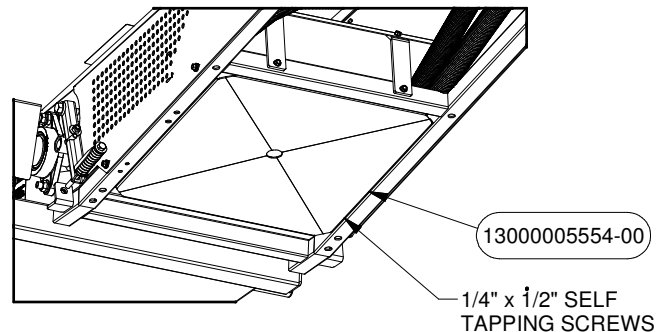


FIGURE 11

24. Apply some glue to the Grip Handle PN# 5805 then insert it to the Crank PN# 6225. Slide in the RH Sleeve PN# 6226, Crank Stop PN# 5982, and Crank Washer PN# 6025 to the Crank and fasten the RH Sleeve using 1/4" Hex Bolt c/w Nylock Nut (See Detail N).

Insert the Cable PN# 6030 in to the hole of RH Sleeve and pull it out from the Crank. Slide in the Crank Assembly to the Intake and attach LH Sleeve PN# 6227 using 1/4" Hex Bolt c/w Nylock as shown in Detail N.

Insert the end of the Cable in to the hole of the LH Sleeve then thread both ends to the hole of the Pivots PN# 5665 & 5667 and clamp it using Cable Clamps PN# 32014109.

Mount the Crank Washer PN# 6025 to the Intake using 3/8" Hex Bolt c/w Nylock Nut. See Figure 12.

Clamps and Fasteners can be found in Bolt Bag PN# 6655 and PN# 6027.

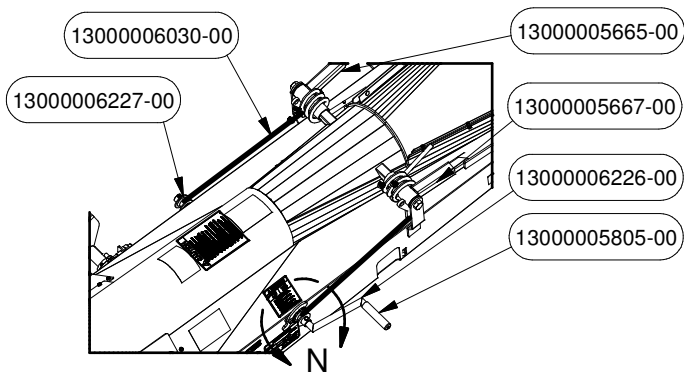
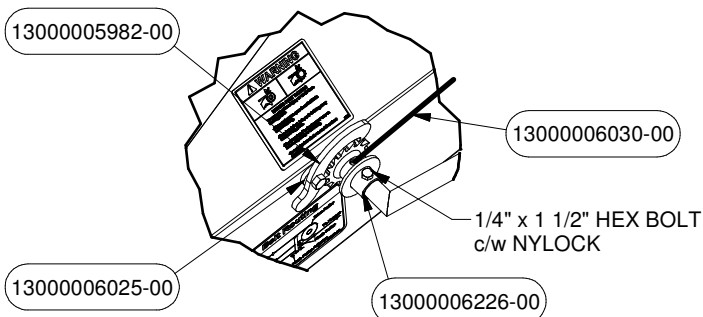
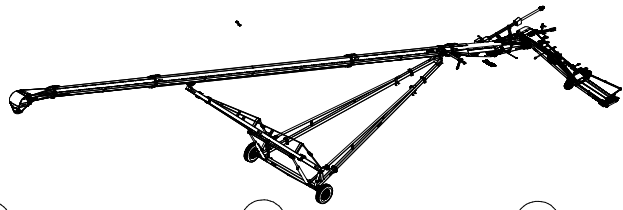


FIGURE 12



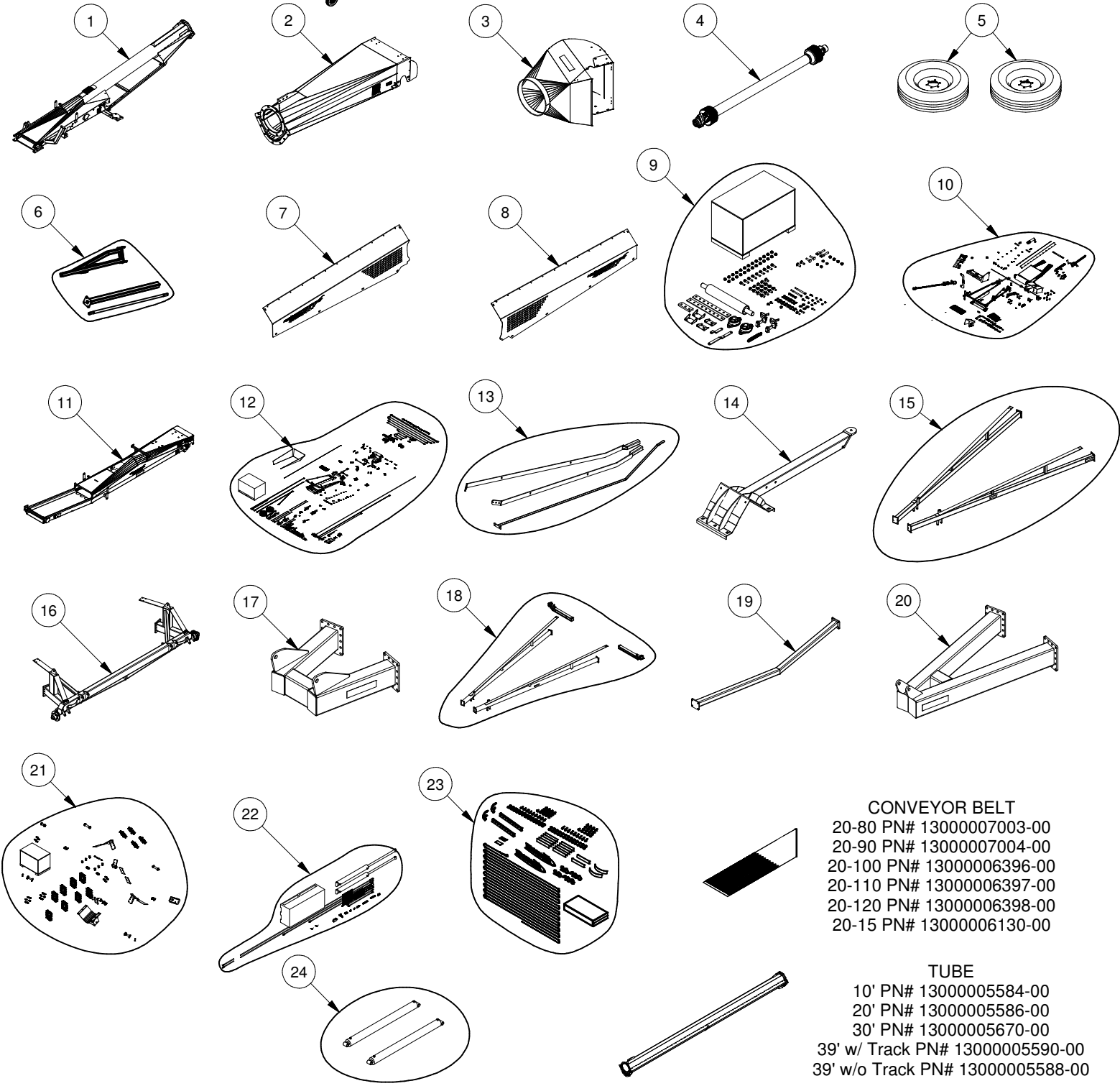
DETAIL N

EPTO CONVEYOR CONSISTS OF THE FOLLOWING



WITH SWING PACKAGE:
 20-80 PN# 14200801200
 20-90 PN# 14200901200
 20-100 PN# 14201001200
 20-110 PN# 14201101200
 20-120 PN# 14201201200

WITHOUT SWING PACKAGE:
 20-80 PN# 14200801000
 20-90 PN# 14200901000
 20-100 PN# 14201001000
 20-110 PN# 14201101000
 20-120 PN# 14201201000



CONVEYOR BELT
 20-80 PN# 13000007003-00
 20-90 PN# 13000007004-00
 20-100 PN# 13000006396-00
 20-110 PN# 13000006397-00
 20-120 PN# 13000006398-00
 20-15 PN# 13000006130-00

TUBE
 10' PN# 13000005584-00
 20' PN# 13000005586-00
 30' PN# 13000005670-00
 39' w/ Track PN# 13000005590-00
 39' w/o Track PN# 13000005588-00

EPTO CONVEYOR CONSISTS OF THE FOLLOWING

ITEM	DESCRIPTION	20-80	20-90	20-100	20-110	20-120
1	EPTO Intake			13000006640		
2	Top Box			13000005672		
3	Discharge Spout			13000005500		
4	PTO Shaft			13000005783		
5	Tires 15in 6 Bolt			13000006671		
6	EPTO M isc Bundle			13000006684		
7	Cover - Intake LH Side			13000005829		
8	Cover - Intake RH Side			13000005827		
9	Hardware Box Discharge			13000006215		
10	Hardware Box EPTO			13000006685		
11	Body SW20-15 (with Swing Pkg)			13000006614		
12	Hardware Box SW20-15 (with Swing Pkg)			13000007251		
13	M isc Bundle SW20-15 (with Swing Pkg)			13000007689		
14	Arm - Support SW20-15 (with Swing Pkg)			13000006726		
15	Main Frame Bundle	13000006237		13000006268		13000006302
16	Main Frame Axle	130000011032		13000006276		13000006306
17	Main Frame End	13000006241		13000006270		13000006304
18	A Frame Bundle	13000006250		13000006278		13000006294
19	A Frame Cross Brace	13000006235		13000006290		13000006310
20	A Frame End	13000006256		13000006280		13000006296
21	Hardware Box Frame	13000007049		13000006697		13000006962
22	Hydraulic Kit (with Swing)	13000006539		13000006492	13000006503	13000006535
22	Hydraulic Kit (without Swing)	13000007519		13000007547	13000007549	13000007806
23	Hardware Box Cable & Decals	13000007007	13000007144	13000006696	13000006967	13000006994
24	Hyd Cylinder - HYS 5x60MAL			N/A		13000006536

20-80/90/100/110/120 CONVEYOR EPTO ASSEMBLY

NOTE:
FOR EPTO INTAKE, SEE STEPS 1-24 FOR THE TUBE ASSEMBLY, ROLLER ASSEMBLY (INTAKE, DISCHARGE AND S-DRIVE), AND BELT INSTALLATION ON PAGE C1.

PROCEED WITH EPTO SETUP ONCE COMPLETE.

- Place the Covers PN# 5827 and PN# 5829 with the Rubbers PN# 6387 to the Intake using Self Tapping Screws and flat washers as shown in Figure 1. Parts can be found in Hardware Box 6685, and fasteners in Bolt Bag PN# 6068.

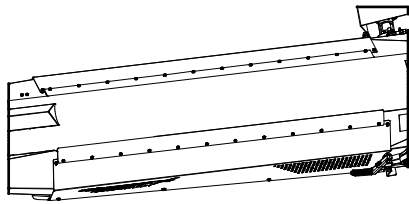


FIGURE 1

- Attach the Swing Pivot PN# 6180 to the Intake using Carriage Bolts c/w Stover Nuts that can be found in Bolt Bag PN# 6683.

Attach the Hydraulic Swing PN# 6168 to the Pivot PN# 6180 using the Pins PN# 6175 c/w Hex Bolts and Nuts found in Bolt Bag PN# 6683.

Attach the Hydraulic Arm PN# 6170 to the Hydraulic Swing using the Pins PN# 6326 c/w Cotter Pins. Attach the Cylinders PN# 6404 and 6399 from the Hydraulic Kit. See Figure 2 for details.

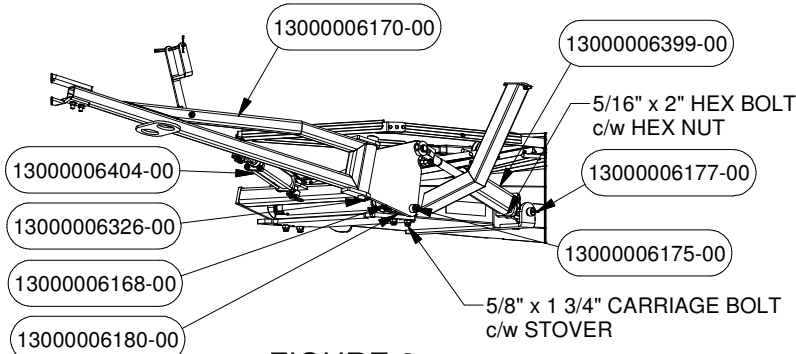


FIGURE 2

- Attach the Draw Bar Plates PN# 5812 and PN# 6322 and the PTO Tube Holder PN# 6174 and Pin PN# 6337 to the Swing Arm PN# 6170 using Bolts c/w Nuts found in Bolt Bag PN# 6682 and PN# 6683. See Figure 3 for details. Attach Safety Chains PN# 7301.

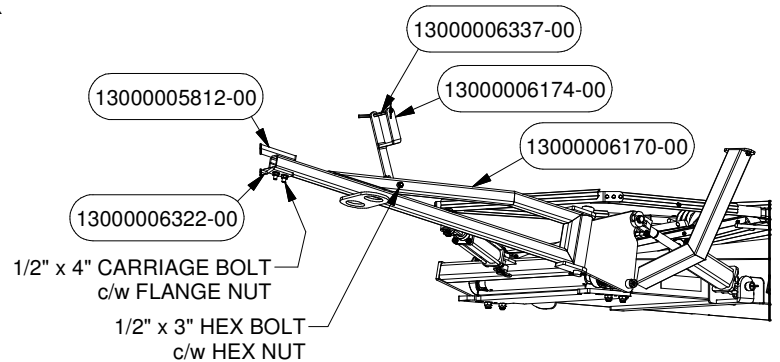


FIGURE 3

- Attach the Sprocket PN# 6176 to the Gear Box PN# 6400. Attach the Sprocket PN# 6340 to the Roller shaft and lock it using the Square Key PN# 5173. Attach the Gear Box PN# 6400 to the Intake using Hex Bolts c/w Washers and place the Chain PN# 6656 to join the Sprockets. Place the spline of the gear box without the plate towards the assembly. See Detail A for details.

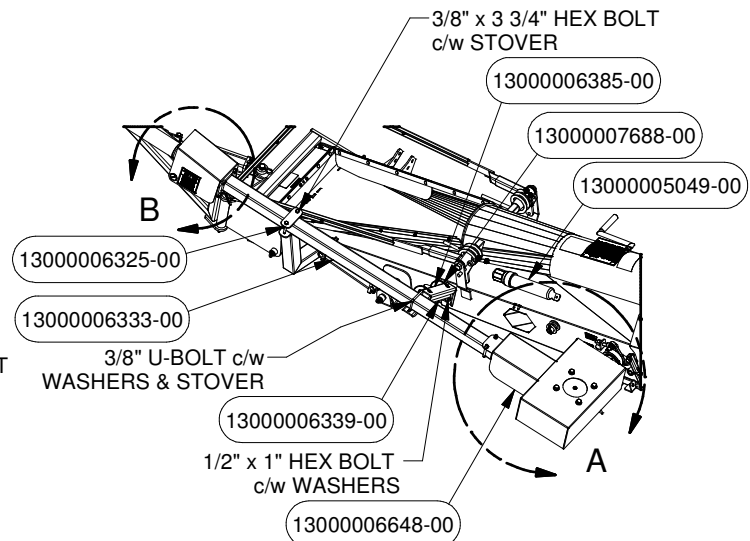
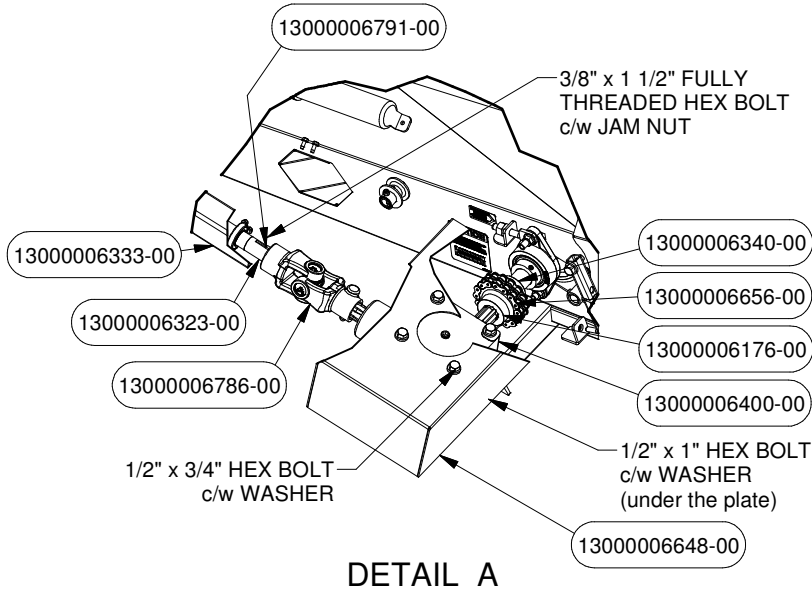


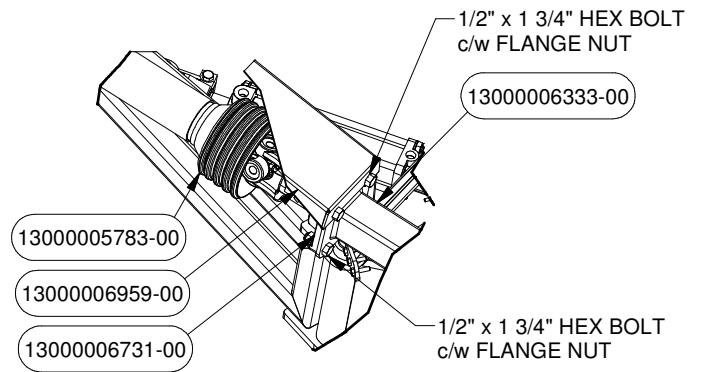
FIGURE 4

- Slide Bearing PN# 6407 onto the PTO Shaft PN# 6323. Attach the U-Joint PN# 6786 to the Gear Box and connect the PTO Shaft and lock it using the Square Key PN# 6791. See Detail A for details.



DETAIL A

- Attach the Drive Support PN# 6385 to the Intake using Hex Bolts c/w Washers. Attach the Cylinder Stop PN# 6339 using Pins PN# 6432 to the Drive Support. Attach the Manual Holder PN# 5049 to the Intake using its included 1/4\" Self Tapping Screws (see Figure 4). Fasteners can be found in Bolt Bag PN# 6682.
- Slide-in the PTO Shaft into the Tube PN# 6333 and attach it to the Intake using the Plate PN# 6325 with Hex Bolts and U-Bolt as shown in Figure 4. Centre the drive shaft using the fully threaded Hex Nut and Jam Nut as shown in Detail A. Use the Self-Tapping Screws to hold the Bearing PN# 6407 in place as shown in Detail A. Fasteners can be found in Bolt Bag PN# 6682.
- Fasten the Gear Box Guard PN# 6648 in place using Hex Bolts and Flat Washers from Bolt Bag PN# 6682 as shown in Detail A.

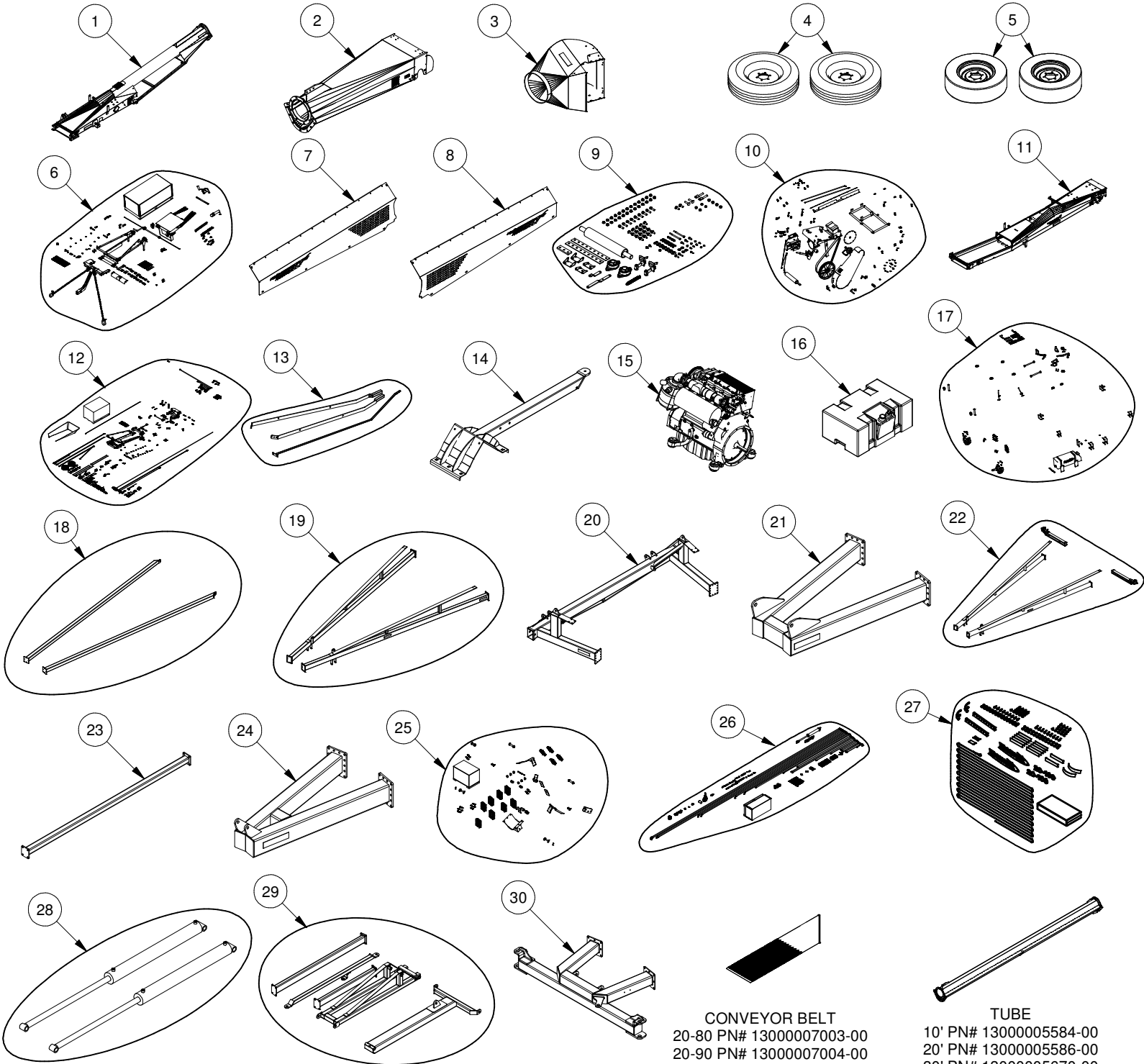


DETAIL B

- Attach the Bearing PN# 6731 and PTO Guard PN# 6959 to the Tube using Hex Bolts c/w Flange Nuts. Then attach the PTO PN# 5783 to the PTO Shaft using its U-Joint. Fasteners can be found in Bolt Bag PN# 6682 (See Detail B).
- Finish the Discharge and Winch assembly by following the steps on Page C43.
- Place the Decals found in the Hardware Boxes PN# 7007, 7144, 6696, 6967 or 6994 by following the steps on Page C44.

DEUTZ CONVEYOR w/ SWING PACKAGE CONSISTS OF THE FOLLOWING

20-80 PN# 14200800600
 20-90 PN# 14200900600
 20-100 PN# 14201000600
 20-110 PN# 14201100600



CONVEYOR BELT
 20-80 PN# 13000007003-00
 20-90 PN# 13000007004-00
 20-100 PN# 13000006396-00
 20-110 PN# 13000006397-00
 20-15 PN# 13000006130-00

TUBE
 10' PN# 13000005584-00
 20' PN# 13000005586-00
 30' PN# 13000005670-00
 39' w/ Track PN# 13000005590-00

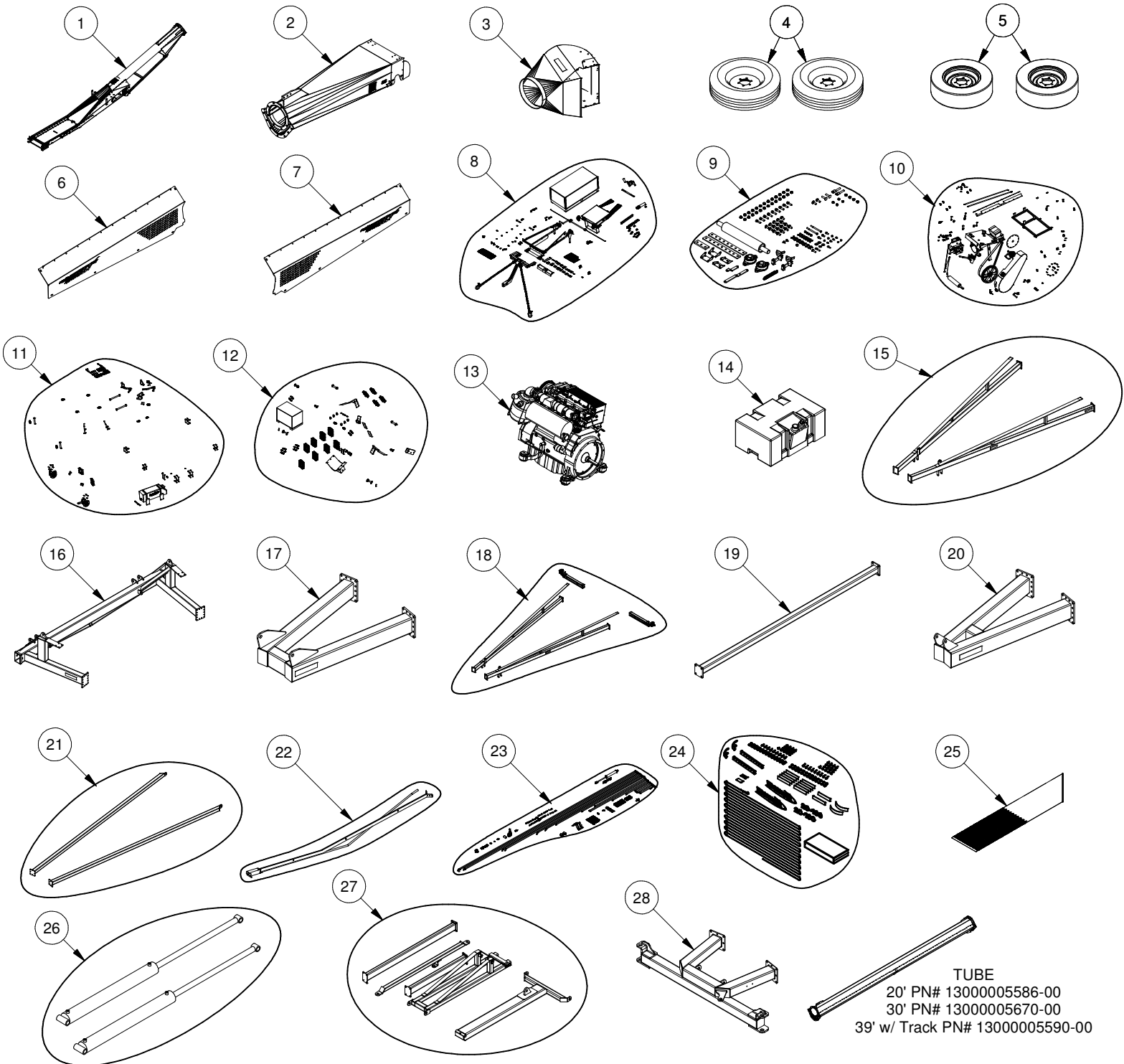
DEUTZ CONVEYOR w/ SWING PACKAGE CONSISTS OF THE FOLLOWING

ITEM	DESCRIPTION	20-80	20-90	20-100	20-110
1	Intake Short		13000006872		
2	Top Box		13000005672		
3	Discharge Spout		13000005500		
4	Tires 16in 6 Bolt		13000006671		
5	Tires 15in 6 Bolt		13000006840		
6	Hardware Box Short Intake		13000006913		
7	Cover - Intake LH Side		13000005829		
8	Cover - Intake RH Side		13000005827		
9	Hardware Box Discharge		13000006215		
10	Hardware Box Deutz Diesel		13000006918		
11	Body SW20-15		13000006614		
12	Hardware Box SW20-15		13000007691		
13	M isc Bundle SW20-15		13000007689		
14	Arm - Support SW20-15		13000006726		
15	60HzP Deutz Engine		13000006883		
16	Diesel Tank 22 Gallon		13000006960		
17	Hardware Box Mover		13000006844		
18	Mover Bundle Arms	13000007156		13000006843	
19	Main Frame Bundle	13000006237		13000006268	
20	Main Frame Axle	130000011032		13000006276	
21	Main Frame End	13000006241		13000006270	
22	A Frame Bundle	13000006250		13000006278	
23	A Frame Cross Brace	13000006235		13000006290	
24	A Frame End	13000006256		13000006280	
25	Hardware Box Frame	13000007049		13000006697	
26	Hydraulic Kit	13000007543		13000006760	13000006761
27	Hardware Box Cable & Decals	13000007007	13000007144	13000006696	13000006967
28	Cylinder - HYS 40MAL40-10		13000006500		
29	Mover Frame Bundle		N/A	13000008016	
30	Mover Steering Axle		N/A	13000006410	

DEUTZ CONVEYOR w/o SWING PACKAGE CONSISTS OF THE FOLLOWING

LONG INTAKE:
20-100 PN# 14201000200
20-110 PN# 14201100200

SHORT INTAKE:
20-100 PN# 14201000400
20-110 PN# 14201100400



TUBE
20' PN# 13000005586-00
30' PN# 13000005670-00
39' w/ Track PN# 13000005590-00

DEUTZ CONVEYOR w/o SWING PACKAGE CONSISTS OF THE FOLLOWING

ITEM	DESCRIPTION	Long Intake		Short Intake	
		20-100	20-110	20-100	20-110
1	Intake Short	13000005810		13000006872	
2	Top Box	13000005672			
3	Discharge Spout	13000005500			
4	Tires 16in 6 Bolt	13000006671			
5	Tires 15in 6 Bolt	13000006840			
6	Cover - Intake LH Side	13000005829			
7	Cover - Intake RH Side	13000005827			
8	Hardware Box Intake	13000007526		13000006913	
9	Hardware Box Discharge	13000006215			
10	Hardware Box Deutz	13000006918			
11	Hardware Box Mover	13000006844			
12	Hardware Box Frame	13000006697			
13	Engine - 60HP Deutz	13000006883			
14	Diesel Tank 22 Gallon	13000006960			
15	Main Frame Bundle	13000006268			
16	Main Frame Axle	13000006276			
17	Main Frame End	13000006270			
18	A Frame Bundle	13000006278			
19	A Frame Cross Brace	13000006290			
20	A Frame End	13000006280			
21	Mover Frame Arms	13000006843			
22	Intake Misc Bundle	13000006216		N/A	N/A
23	Hydraulic Kit	13000007808	13000007810	13000007808	13000007810
24	Hardware Box Cable & Decals	13000007007	13000007144	13000007007	13000007144
25	Belt	13000007812	13000007813	13000006396	13000006397
26	Cylinder - HYS 40MAL40-10	13000006500			
27	Mover Frame Bundle	N/A		13000008016	
28	Mover Steering Axle	N/A		13000006410	

20-80/90/100/110 CONVEYOR DEUTZ DIESEL ENGINE ASSEMBLY

NOTE:

FOR SHORT INTAKE, SEE PAGE C1 FOR THE TUBE ASSEMBLY, ROLLER ASSEMBLY (INTAKE, DISCHARGE AND S-DRIVE), BELT INSTALLATION, AND INTAKE ASSEMBLY BEFORE PROCEEDING.

FOR LONGH INTAKE, SEE PAGE C7 FOR THE TUBE ASSEMBLY, ROLLER ASSEMBLY (INTAKE, DISCHARGE AND S-DRIVE), BELT INSTALLATION, AND INTAKE ASSEMBLY BEFORE PROCEEDING.

1. Attach the Motor Mount PN# 6877 and Clamps PN# 6223 using Hex Bolts c/w Nylock Nuts and Washers to the Intake PN# 6872. See Figure 1 for Details. Take note that the Motor Mount should be right against the Bottom Return. Fasteners can be found in Bolt Bag PN# 6914 in Hardware Box PN# 6913.

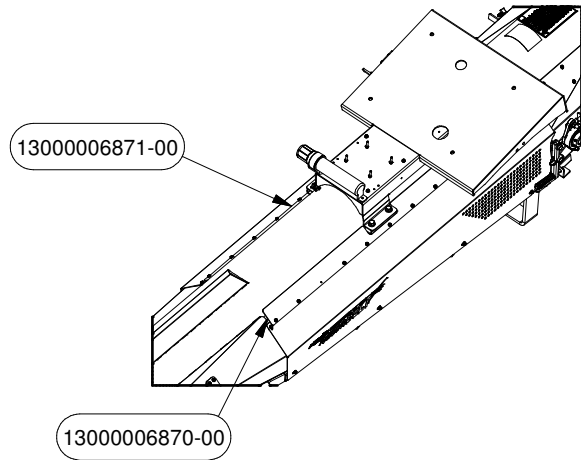


FIGURE 2

3. Attach the Manual Holder PN# 5049 to the Engine Mount PN# 6877 using its included 1/4" Self Tapping Screws from Hardware Box PN# 6913.

Attach the Battery Mount PN# 5560 to the Engine Mount and the Battery Box PN# 7226 to the Battery Mount using Self Tapping Screws.

Parts can be found in Deutz Hardware Box PN# 6918, and Fasteners are in Bolt Bag PN# 7045 in the Short Intake Hardware Box PN# 6913. See Figure 3 for details.

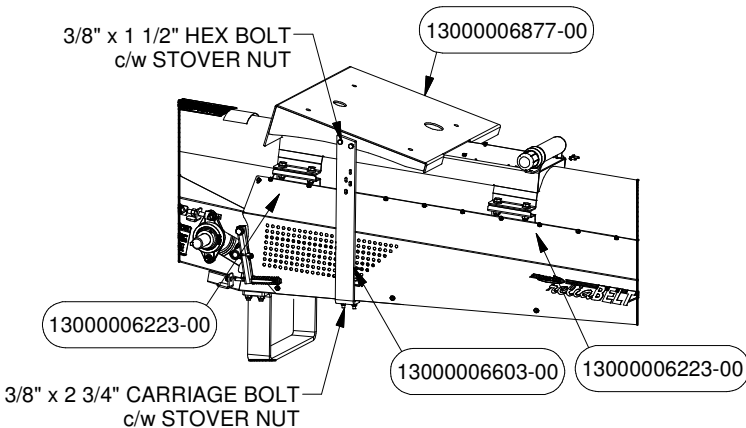


FIGURE 1

2. Place the Covers PN# 5827 and PN# 5829 with the Rubbers PN# 6871 and 6870 (from Deutz Hardware Box PN# 6918) to the Intake using Self Tapping Screws and flat washers as shown in Figure 2. Fasteners can be found in Bolt Bag PN# 6068 in Hardware Box PN# 6913.

To secure the motor mount in place, attach the Motor Mount Brace PN# 6603 as shown in Figure 1 using Fasteners from Bolt Bag PN# 6951. Brace and Bolt Bag can be found in Hardware Box PN# 6918.

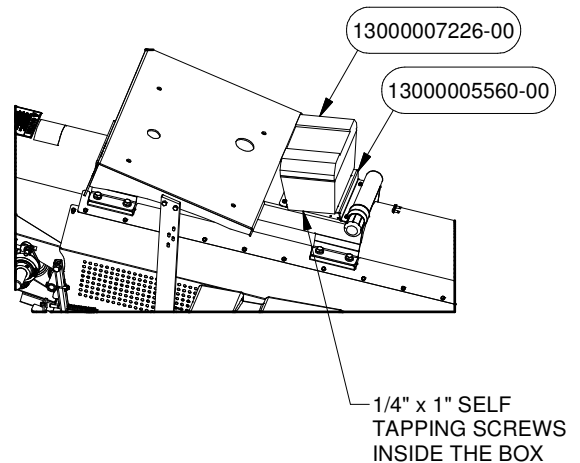


FIGURE 3

- Attach the Tank Mount PN# 6884 to the Intake using Hex Bolts c/w Stover Nuts and Washers. Attach the Fuel Tank PN# 6960 to the Tank Mount by using the Tie Down Plates PN# 6665 and Self Tapping Screws. Fasteners can be found in Bolt Bag PN# 6922. Parts and Bolt Bag can be found in Deutz Hardware Box PN# 6918.

Attach the Intake Riser PN# 6848 to the Intake using Carriage Bolts and Stovers. Fasteners can be found in Bolt Bag PN# 6914. Bolt Bag can be found in Short Intake Hardware Box PN# 6913.

See Figure 4 for details.

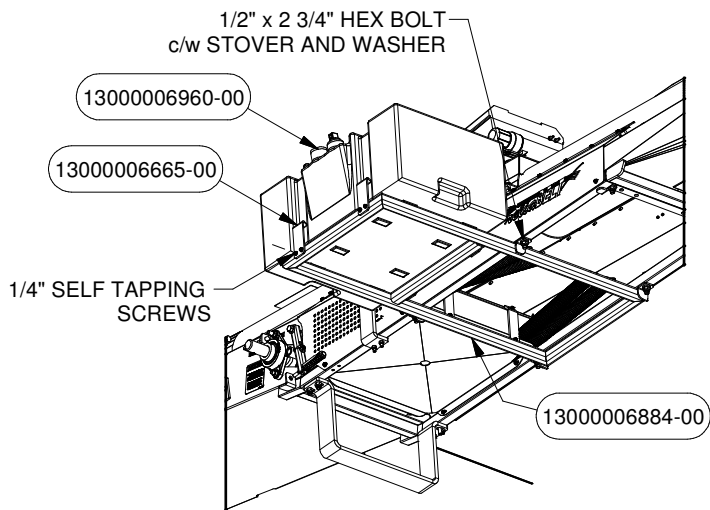


FIGURE 4

NOTE:
DO NOT TRANSPORT AT HIGHWAY SPEEDS WITH ENGINE MOUNTED. If not at final destination, go to steps 10-13. Finish steps 5-9 once at final destination.

- For Step 5, All fasteners can be found in Bolt Bag PN# 6917 in the Deutz Hardware Box PN# 6918 unless otherwise specified. Attach the Motor Leg Brackets PN# 6881 to the Engine Mount using Hex Bolts, Stovers and Washers.

Mount the Engine using the Deutz Diesel Engine Feet provided with the engine to motor leg brackets using Hex Bolts, Stover Nuts and Washers.

See Figure 5 for details.

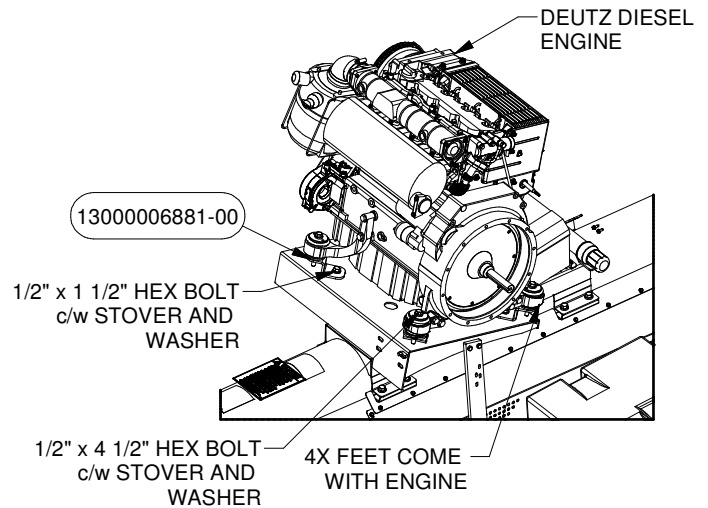


FIGURE 5

- For steps 6-11, Parts and Fasteners can be found in the Deutz Hardware Box PN# 6918 unless otherwise specified.

Attach the Sheave PN# 7137 and QD Bushing PN# 5529 to the Roller PN# 6039 and lock it using Square Key PN# 5173 included in Bolt Bag PN# 5830.

Mount the Tensioner PN# 6839 to the Engine Mount using its included Fasteners.

See Figure 6 for details.

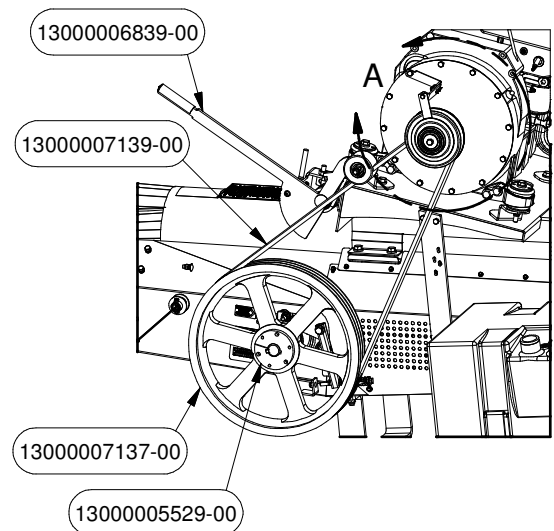


FIGURE 6

7. Fasteners for Step 7-8 are all found in Bolt Bag PN# 6955. Attach the Deutz Front Guard PN# 6862 to the Engine using Hex Bolts.

The one longer Hex Bolt is used to fasten Clutch Bracket PN# 6052 in place as shown in Detail A.

8. Insert the Clutch Bushings PN# 42253 and PN# 6067 and the Clutch PN# 42431 to the Engine's Shaft. Lock it using a Square Key PN# 6635, stepped collar PN# 42255 and the Fine Thread Hex Bolt.

Attach the second Clutch Bracket PN# 7255 using Hex Bolts and Stovers (see Detail A). Place the Belt PN# 7139 as shown in Figure 23.

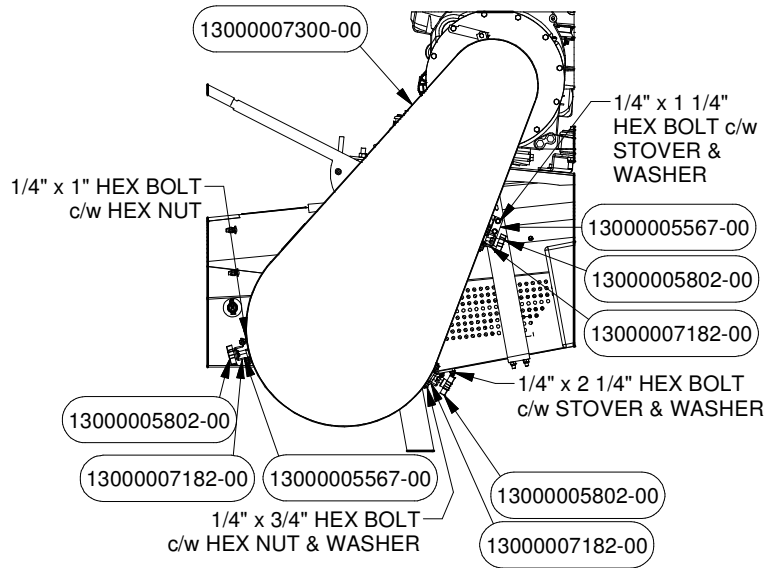
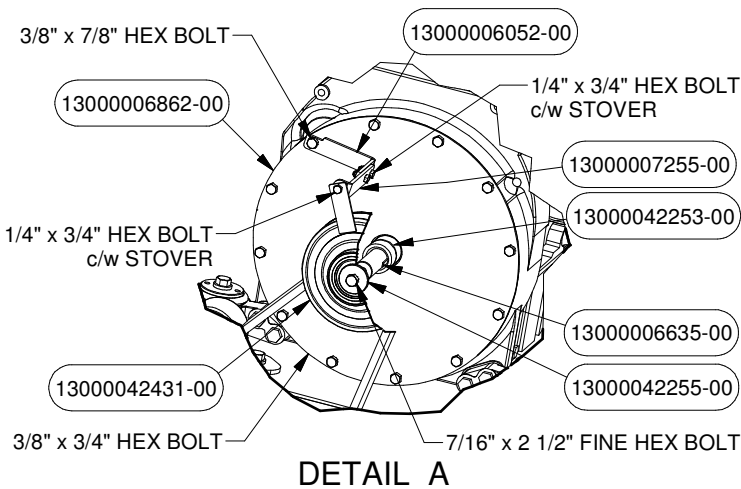


FIGURE 7

10. Attach the Fuel Lines PN# 6953 and 6954 to the Engine and Fuel Tank PN# 6960.
11. Using Bolt Bag PN# 6916, attach the Base of the Control Panel PN# 6673 to the Intake using Hex Bolts and washers. Fasten the Control Panel PN# 6873 to the Control Panel Base using Self Tapping screws. Then, attach the Front of the Control Panel PN# 6675 to the base using Carriage Bolts and Nylock Nuts.

From the Hydraulic Kit, attach the 4 Spool Valve PN# 6919 to the front of the Control Panel using Carriage Bolts and Stover Nuts.

See Figure 8 for details.

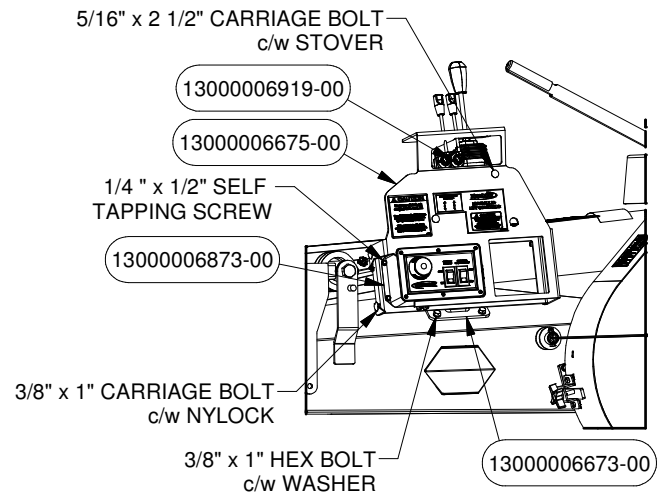


FIGURE 8

9. Attach the Belt Guard Braces PN# 5567 and PN# 6060 using Hex Bolts c/w Nuts.

Attach the Brackets PN# 5567 and 7182 to the Belt Guard PN# 7300 using Hex Bolts c/w Hex Nuts and Washers.

Install the Belt Guard and lock it using Handwheels PN# 5802.

All fasteners are found in Bolt Bag PN# 6951. See Figure 7 for details.

12. Fasteners can be found in Bolt Bag PN# 7296
All parts and Bolt Bag can be found in Short
Intake Hardware Box PN# 6913.

Attach the Hitch PN# 7189 to the Intake using
Hex Bolts c/w Stover Nuts as shown in Figure
9.

Attach the Drawbar PN# 7170 to the Hitch and
lock it using Pin PN# 1646 and the Hair Pin.
Attach Safety Chains PN# 3783 to the holes in
the Hitch.

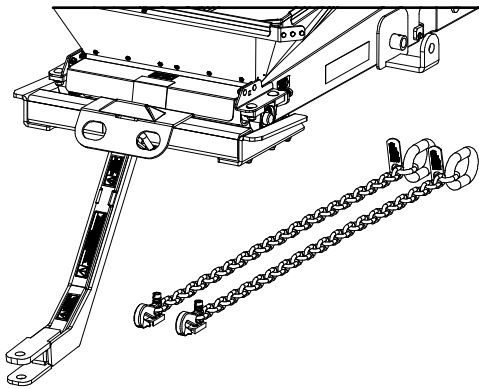
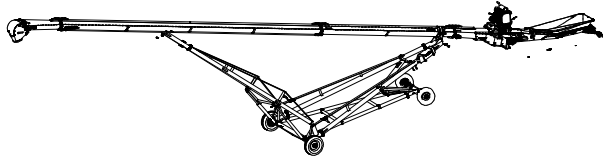


FIGURE 9

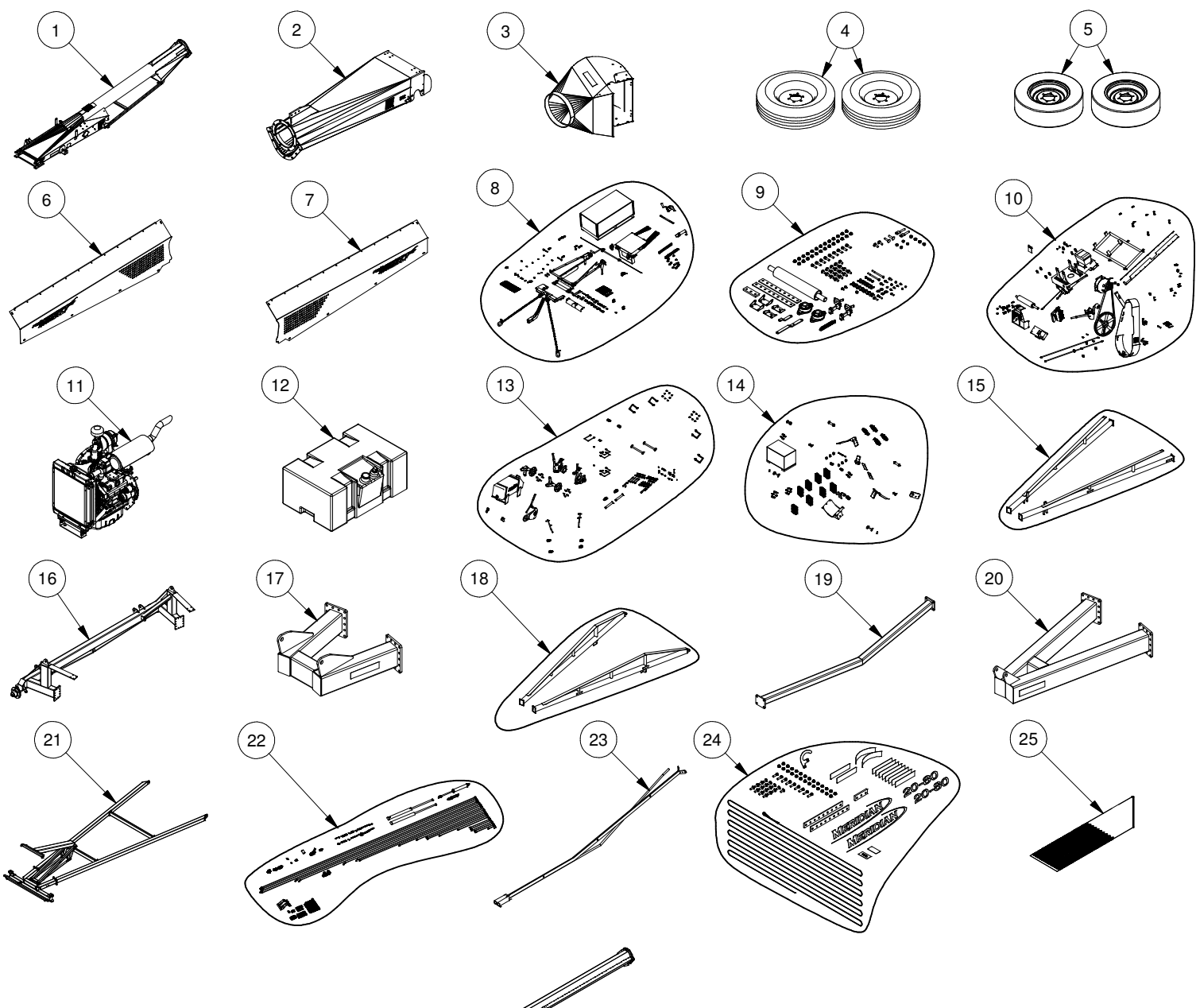
13. Finish the Discharge and Winch assembly by
following Steps on Page C43.
14. Place the Decals found in the Hardware Boxes
PN# 7007, 7144, 6696, 6967 or 6994 by
following Steps on Page C44.

20-80/90 ISUZU CONVEYOR CONSISTS OF THE FOLLOWING



LONG INTAKE:
20-80 PN# 14200800200
20-90 PN# 14200900200

SHORT INTAKE:
20-80 PN# 14200800400
20-90 PN# 14200900400



TUBE
10' PN# 13000005584-00
20' PN# 13000005586-00
39' w/ Track PN# 13000005590-00

20-80/90 ISUZU CONVEYOR CONSISTS OF THE FOLLOWING

ITEM	DESCRIPTION	Long Intake		Short Intake	
		20-80	20-90	20-80	20-90
1	Intake	13000005810		13000006872	
2	Top Box	13000005672			
3	Discharge Spout	13000005500			
4	Tires 16in 6 Bolt	13000006671			
5	Tires 15in 6 Bolt	13000006840			
6	Cover - Intake LH Side	13000005829			
7	Cover - Intake RH Side	13000005827			
8	Hardware Box Intake	13000007526		13000006913	
9	Hardware Box Discharge	13000006215			
10	Hardware Box Isuzu	13000007044			
11	Engine - 37.8HP Isuzu	13000043248			
12	Diesel Tank 22 Gallon	13000006960			
13	Hardware Box Frame	13000007049			
14	Hardware Box Mover	13000007588			
15	Main Frame Bundle	13000006237			
16	Main Frame Axle	130000011032			
17	Main Frame End	13000006241			
18	A Frame Bundle	13000006250			
19	A Frame Cross Brace	13000006235			
20	A Frame End	13000006256			
21	Mover Bundle	13000007156			
22	Hydraulic Kit	13000007814			
23	Intake Misc Bundle	13000006216		N/A	N/A
24	Hardware Box Cable & Decals	13000007007	13000007144	13000007007	13000007144
25	Belt	13000007527	13000007559	13000007003	13000007004

20-80/90 CONVEYOR ISUZU DIESEL ENGINE ASSEMBLY

NOTE:

FOR SHORT INTAKE, SEE PAGE C1 FOR THE TUBE ASSEMBLY, ROLLER ASSEMBLY (INTAKE, DISCHARGE AND S-DRIVE), BELT INSTALLATION BEFORE PROCEEDING.

FOR SHORT INTAKE, SEE PAGE C7 FOR THE TUBE ASSEMBLY, ROLLER ASSEMBLY (INTAKE, DISCHARGE AND S-DRIVE), BELT INSTALLATION BEFORE PROCEEDING.

1. Attach the Motor Mount PN# 6601 and Clamps PN# 6223 using Hex Bolts c/w Nylock Nuts and Washers to the Intake. See Figure 1 for details. Take note that the Motor Mount should be right against the Bottom Return.

Fasteners can be found in Bolt Bag PN# 7045. All parts and Bolt Bag can be found in Diesel Engine Hardware Box PN# 7044.

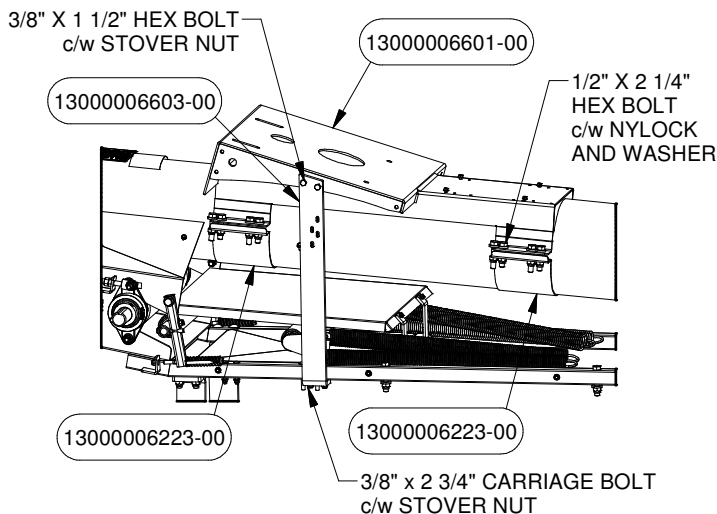


FIGURE 1

2. Place the Covers PN# 5827 and PN# 5829 with the Rubbers PN# 6870 and PN# 6871 to the Intake using Self Tapping Screws as shown in Figure 2. Fasteners can be found in Bolt Bag PN# 6068 in Hardware Box PN# 6913. Rubbers can be found in Hardware Box PN# 7044.

To secure the Motor Mount in place, attach the Motor Mount Brace PN# 6603 as shown in Figure 1 using fasteners from Bolt Bag PN# 6951 in Hardware Box PN# 7044.

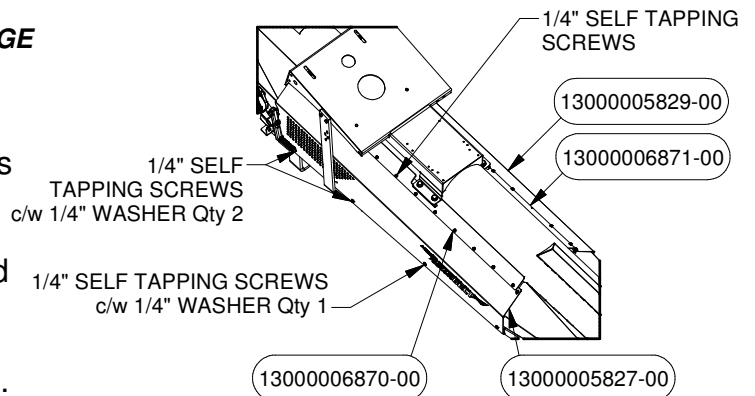


FIGURE 2

3. Attach the Manual Holder PN# 5049 to the Engine Mount PN# 6877 using its included 1/4\"/>

Attach the Battery Mount PN# 5560 to the Engine Mount and attach the Battery Box PN# 7226 to the Battery Mount using Self Tapping Screws. Fasteners can be found in Bolt Bag PN# 7045. Bolt Bag and Parts can be found in Isuzu Hardware Box PN# 7044. See Figure 3 for details.

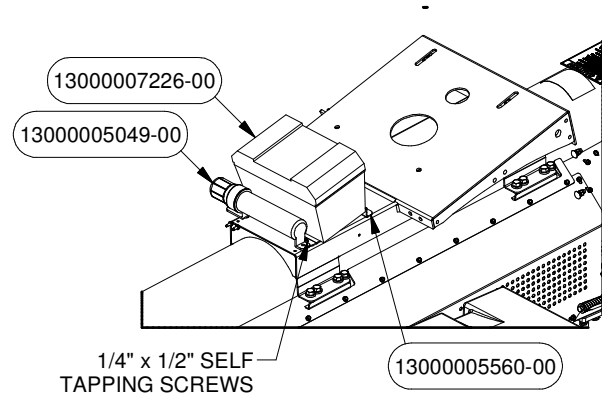


FIGURE 3

4. NOTE: *Since the conveyor does not have a swing, the diesel tank can be attached to either side of the conveyor.*

Attach the Tank Mount PN# 6884 to the Intake using Hex Bolts c/w Stover Nuts and Washers. Attach the Fuel Tank PN# 6960 to the Tank Mount by using the Tie Down Plates PN# 6665 and Self Tapping Screws. Fasteners can be found in Bolt Bag PN# 6922. Bolt Bag and parts can be found in Isuzu Hardware Box PN# 7044.

Attach the Intake Riser PN# 6848 to the Intake using Carriage Bolts and Stovers. Fasteners can be found in Bolt Bag PN# 6915. Bolt Bag can be found in Short Intake Hardware Box PN# 6913.

See Figure 4 for details.

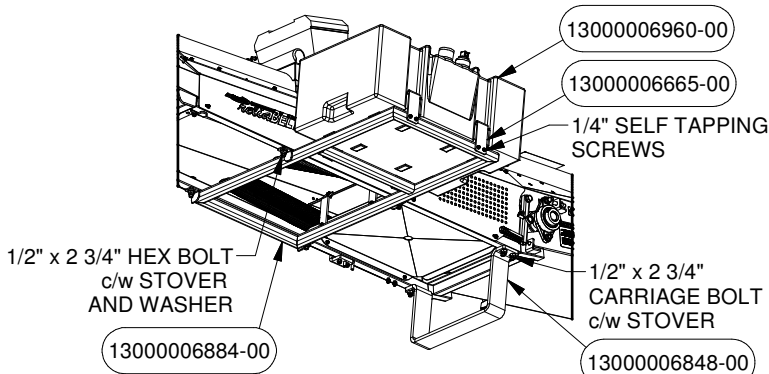


FIGURE 4

5. For Steps 5-10, all parts and Bolt Bags can be found in the Isuzu Hardware Box PN# 7044.

Attach the Diesel Engine to the Engine Mount PN# 6601 using the Leg Mounts PN# 5694 and Hex Bolts c/w Stover Nuts and Washers as shown in Figure 5. Fasteners can be found in Bolt Bag PN# 7187.

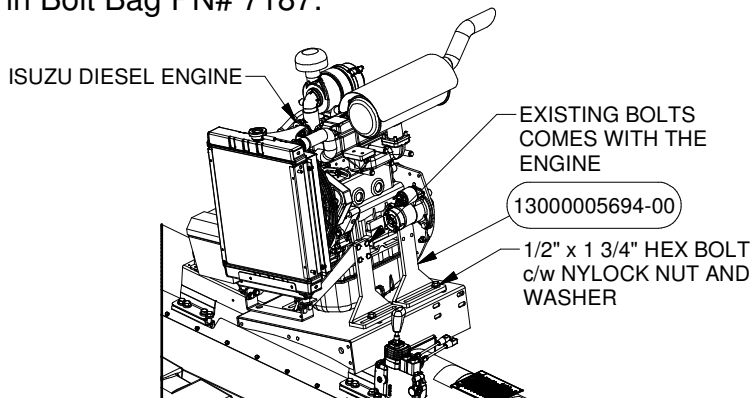


FIGURE 5

6. Attach the Sheave PN# 5528 and QD Bushing PN# 5529 to the Roller PN# 5728 and lock it using a Square Key PN# 5173 including the Bolt Bag PN# 5830.

Mount the Tensioner PN# 6839 to the Engine Mount PN# 6601 using its included fasteners.

Attach the Flywheel Guard PN# 6667 to the Engine using Hex Bolts and Stover Nuts. Fasteners can be found in Bolt Bag PN# 7187.

See Figure 6 for details.

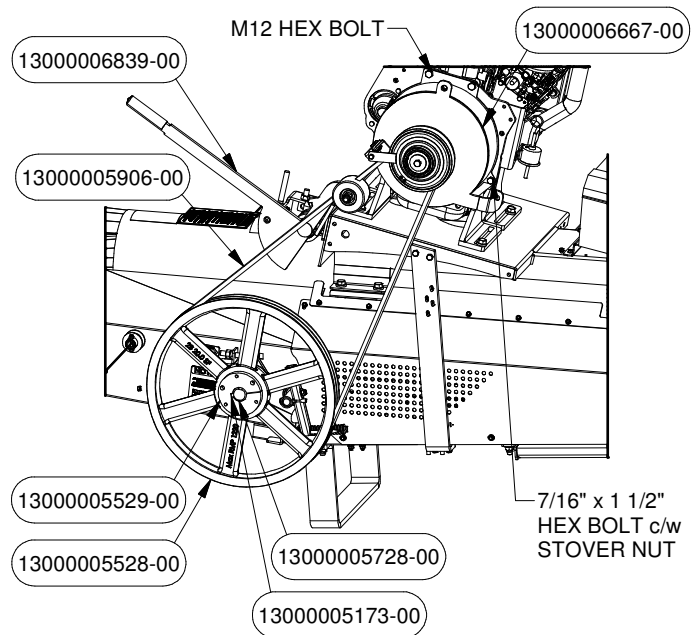


FIGURE 6

7. Insert the Clutch Bushing PN# 6067 and the Clutch PN# 5743 to the Engine's Shaft and lock it using a Square Key PN# 6635, collar PN# 6066 and the Hex Bolt.

Attach the Clutch Brackets PN# 5558 and PN# 6052 to the Flywheel Guard using Hex Bolts c/w Stover Nuts (see Figure 7). Place the Belt PN# 5906 as shown in Figure 34. Fasteners can be found in Bolt Bag PN# 6053.

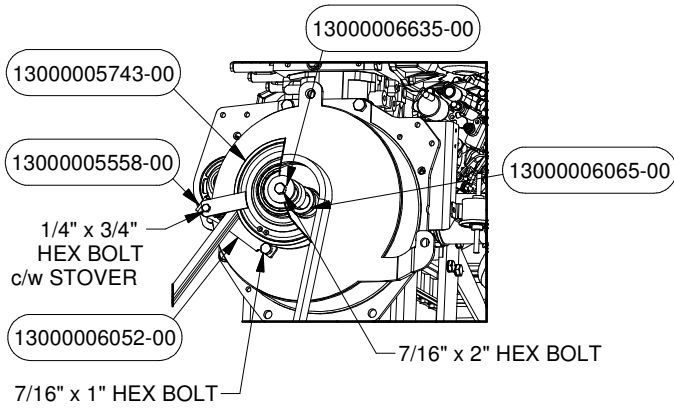


FIGURE 7

- Attach the Belt Guard Braces PN# 5567 and PN# 6060 using Hex Bolts c/w Nuts.

Attach the Brackets PN# 5567 and 7182 to the Belt Guard PN# 7180 using Hex Bolts c/w Hex Nuts and Washers.

Install the Belt Guard and lock it using Handwheels PN# 5802.

All fasteners are found in Bolt Bag PN# 6951. See Figure 8 for details.

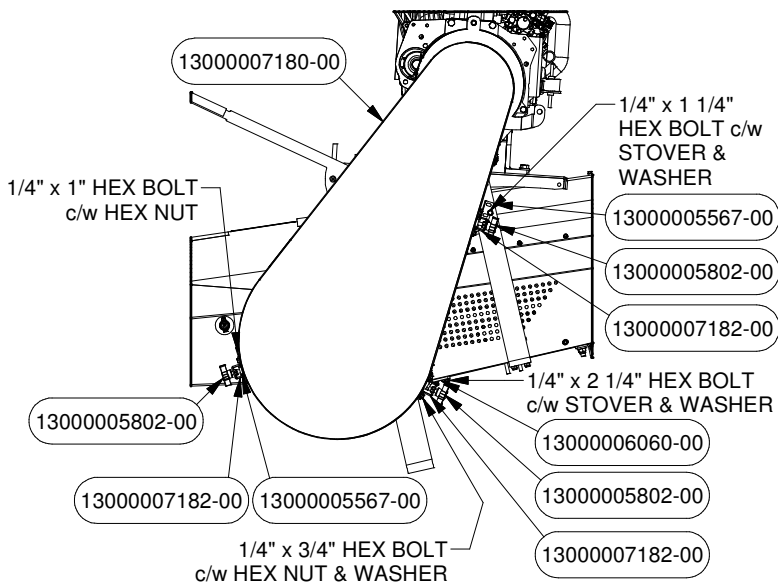


FIGURE 8

- Attach the Fuel Lines PN# 6953 and 6954 to the Engine and Fuel Tank PN# 6960.
- All Parts and Fasteners for Step 10 can be found Bolt Bag PN# 6916 unless otherwise specified.

NOTE: Since the conveyor does not have a swing, the control panel can be attached to either side of the conveyor.

Attach the Base of the Control Panel PN# 6673 to the Intake using Hex Bolts and washers. Fasten the Control Panel PN# 6873 to the Control Panel Base using Self Tapping screws. Then, attach the Front of the Control Panel PN# 6675 to the base using Carriage Bolts and Nylock Nuts.

From the Hydraulic Kit, attach the 4 Spool Valve PN# 6919 to the front of the Control Panel using Carriage Bolts and Stover Nuts.

See Figure 9 for details.

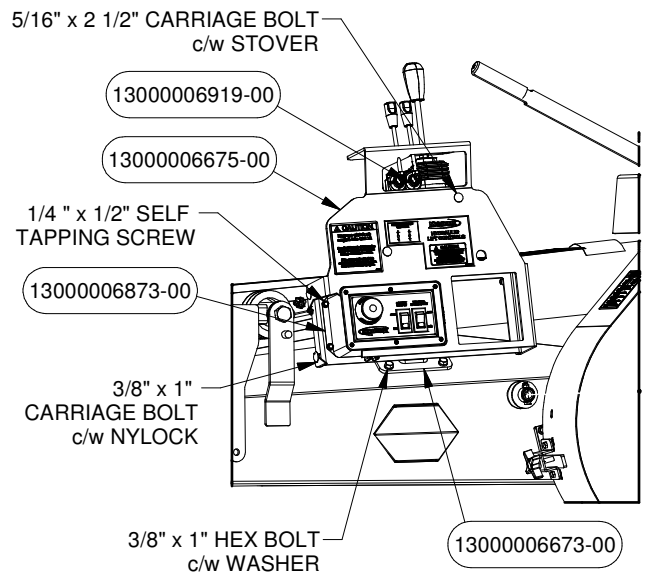


FIGURE 9

11. Attach the Hitch PN# 7189 to the Intake using Hex Bolts c/w Stover Nuts as shown in Figure 10.

Attach the Drawbar PN# 7170 to the Hitch and lock it using Pin PN# 1646 and the Hair Pin. Attach Safety Chains PN# 3783 to the holes in the Hitch.

Fasteners can be found in Bolt Bag PN# 7296
All parts and Bolt Bag can be found in Short Intake Hardware Box PN# 6913.

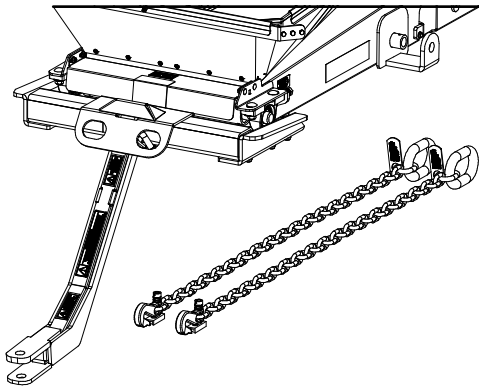
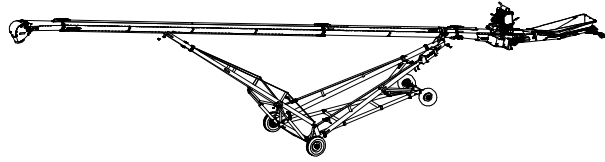


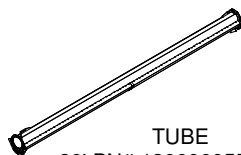
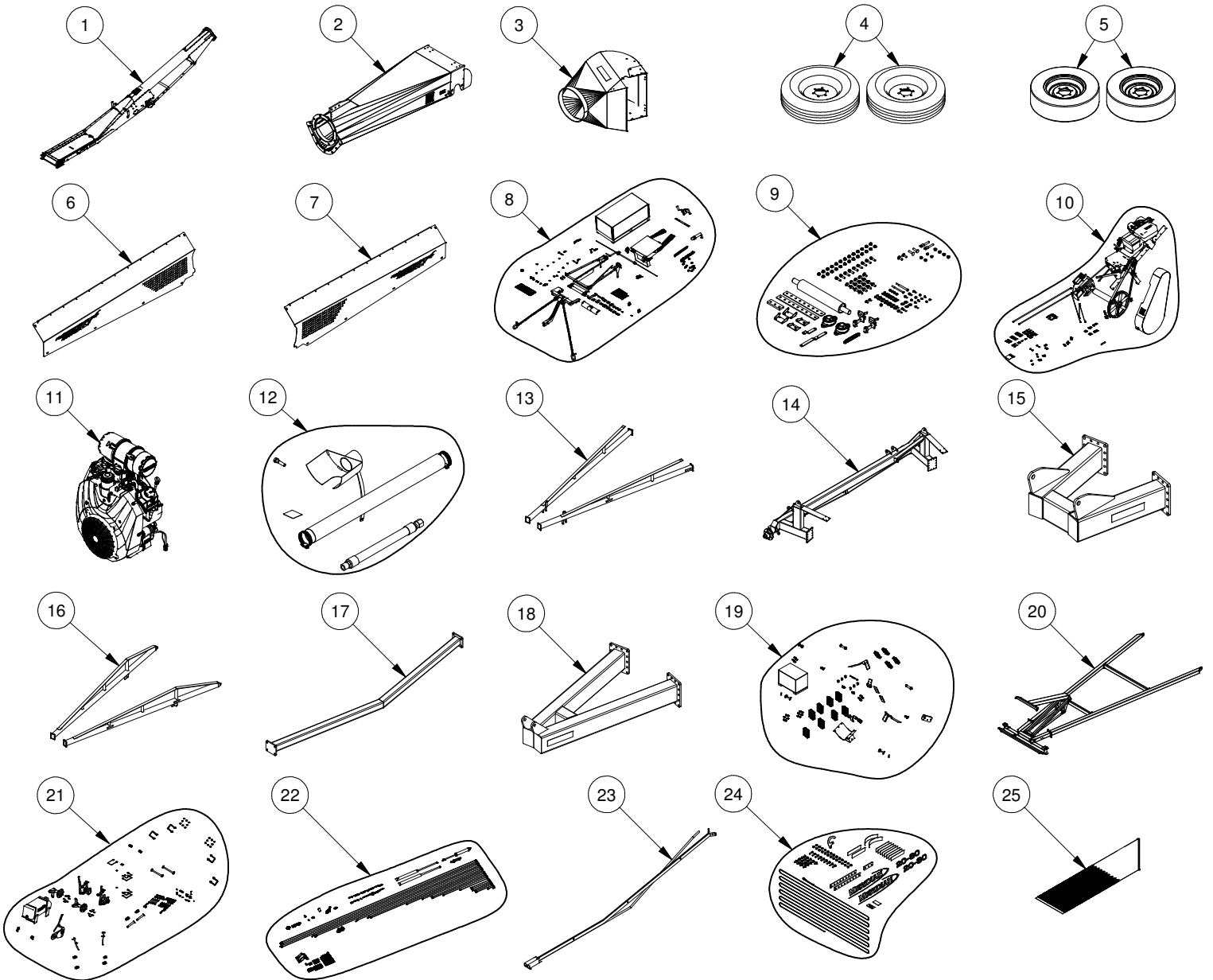
FIGURE 10

12. Finish the Discharge and Winch assembly by following the steps on Page C43.
13. Place the Decals found in the Hardware Boxes PN# 7007, 7144, 6696, 6967 or 6994 by following the steps on Page C44.

20-80 GAS CONVEYOR CONSISTS OF THE FOLLOWING



20-80 PN# 14200800000



TUBE
20' PN# 13000005586-00
39' w/ Track PN# 13000005590-00

20-80 GAS CONVEYOR CONSISTS OF THE FOLLOWING

ITEM	DESCRIPTION	20-80
1	Intake Short	13000005810
2	Top Box	13000005672
3	Discharge Spout	13000005500
4	Tires 16in 6 Bolt	13000006671
5	Tires 15in 6 Bolt	13000006840
6	Intake Cover LH	13000005829
7	Intake Cover RH	13000005827
8	Hardware Box Gas Long Intake	13000007591
9	Hardware Box Discharge	13000006215
10	Hardware Box - Gas	13000007591
11	Engine - Kohler 35HP	13000042345-01
12	Engine Kit - Kohler Gas	13000006653
13	Main Frame Bundle	13000006237
14	Axle Main Frame	130000011032
15	Main Fram End	13000006241
16	A Frame Bundle	13000006250
17	Cross Brace A Frame	13000006235
18	A Frame End	13000006256
19	Hardware Box Frame	13000007049
20	Mover Bundle	13000007156
21	Hardware Box Mover	13000007588
22	Hydraulic Kit	13000007814
23	Intake Misc Bundle	13000006216
24	Hardware Box Cable & Decals	13000007007
25	Belt	13000007527

20-80 CONVEYOR GAS ENGINE ASSEMBLY

NOTE:
FOR LONG INTAKE, PAGE C7 FOR THE TUBE ASSEMBLY, ROLLER ASSEMBLY (INTAKE, DISCHARGE AND S-DRIVE), BELT INSTALLATION BEFORE PROCEEDING.

1. Attach the Motor Mount PN# 6224 and Clamps PN# 6223 using Hex Bolts c/w Nylock Nuts and Washers to the Intake PN# 5810. See Figure 1 for details. Take note that the Motor Mount should be 10 1/4" away from the bottom Return.

Fasteners can be found in Bolt Bag PN# 5838. All parts and Bolt Bag can be found in Gas Engine Hardware Box PN# 7591.

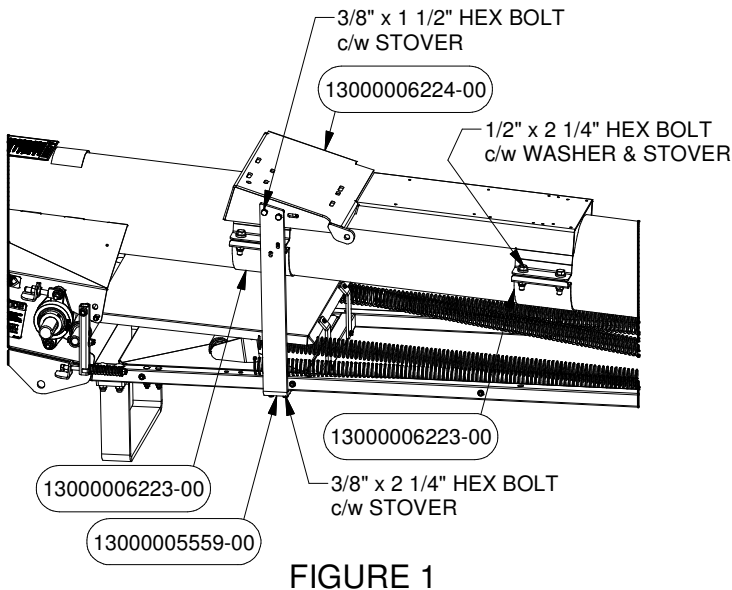


FIGURE 1

2. Place the Covers PN# 5827 and PN# 5829 with the Rubbers PN# 6069 and PN# 6070 (from Hardware Box PN# 7591) to the Intake using Self Tapping Screws and washers as shown in Figure 2. Fasteners can be found in Bolt Bag PN# 6068 in Hardware Box PN# 7526.

To secure the Motor Mount in place, attach the Motor Mount Brace PN# 5559 as shown in Figure 39 using fasteners from Bolt Bag PN# 6915 in Long Intake Hardware Box PN# 7526.

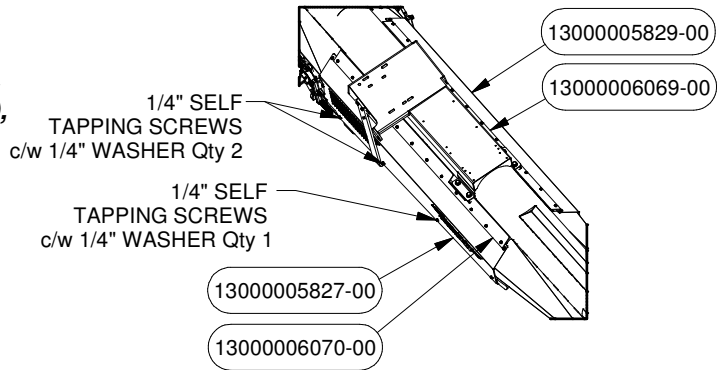


FIGURE 2

3. Attach the Manual Holder PN# 5049 to the Engine Mount PN# 6224 using its included 1/4" Self Tapping Screws from Hardware Box PN# 7526.

Attach the Tank Mount PN# 5561 and the Battery Mount PN# 5560 to the Engine Mount using Self Tapping Screws (see Figure 3). Fasteners can be found in Bolt Bag PN# 5838.

Attach the Battery Box PN# 7226 to the Battery Mount by using Self Tapping Screws inside the Box to the Mount. Fasteners can be found in Bolt Bag PN# 6064.

Install the Gas Tank PN# 5571 to the Tank Mount and hook it using the Snappi-Hookers PN# 5979. Fasten one end of the Snappi-Hooker using Hex Bolt c/w Nut and Washer as shown in Figure 3.

All parts and Bolt Bags can be found in Gas Hardware Box PN# 7591.

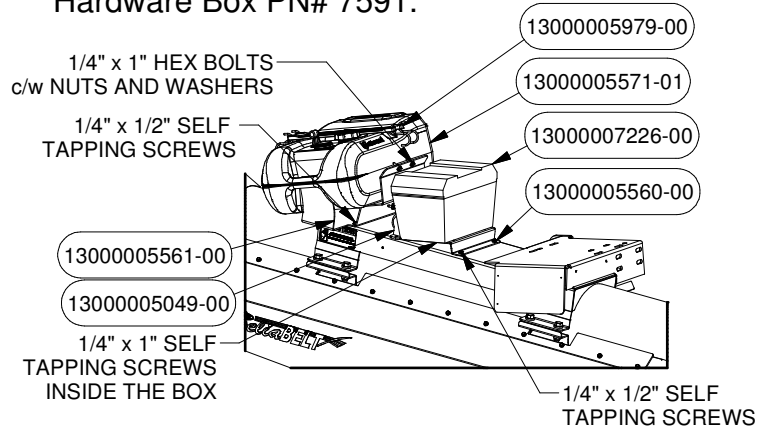


FIGURE 3

- Attach the Intake Riser PN# 6848 to the Intake using Carriage Bolts and Stovers. Fasteners can be found in Bolt Bag PN# 6915. Bolt Bag can be found in Short Intake Hardware Box PN# 7526. See Figure 4 for details.

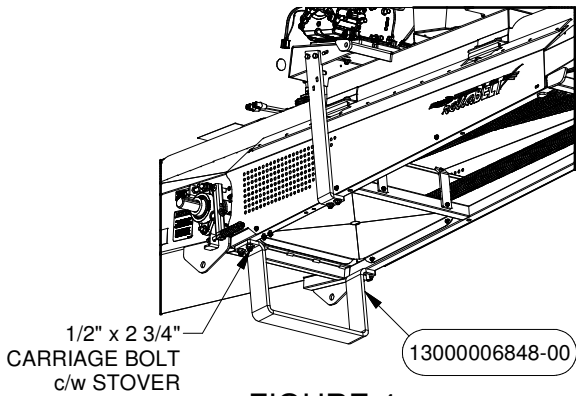


FIGURE 4

- Attach the Gas Engine to the Engine Mount PN# 6224 using Hex Bolts c/w Nylock Nuts and Washers as shown in Figure 5. Fasteners can be found in Bolt Bag PN# 5101 in Engine Kit PN# 7383.

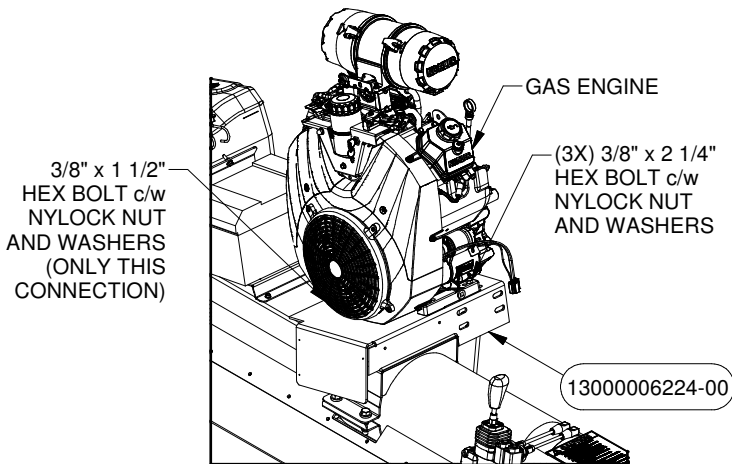


FIGURE 5

- Attach the Sheave PN# 5528 and QD Bushing PN# 5529 to the Roller PN# 5728 and lock it using a Square Key PN# 5173 including the Bolt Bag PN# 5830.

Mount the Tensioner PN# 6247 to the Engine Mount PN# 6224 using its included fasteners.

- Attach the Bracket PN# 5559 to the Engine Mount and Intake using Hex Bolts c/w Nylock Nuts. Fasteners can be found in Bolt Bag PN# 6049.

Parts and Bolt Bags can be found in the Intake Hardware Box PN# 7526 and the Gas Hardware Box PN# 7591.

See Figure 6 for details.

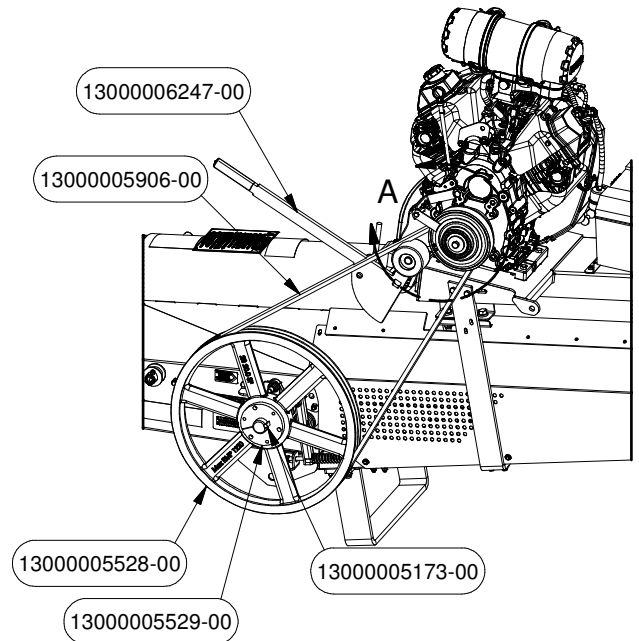
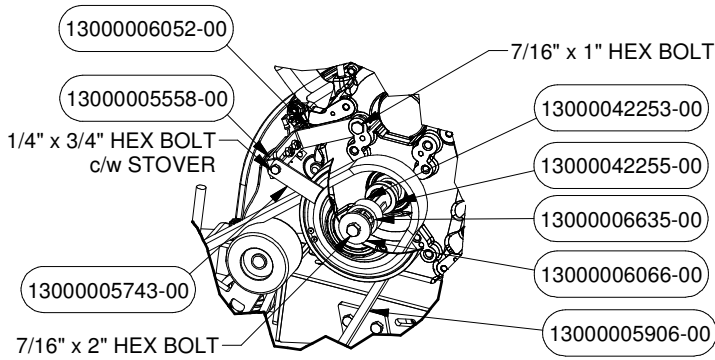


FIGURE 6

- Insert the Clutch Bushings PN# 42255 and 42253, and the Clutch PN# 5743 to the Engine's Shaft and lock it using a Square Key PN# 6635, Step Washer and Hex Bolt.

Attach the Clutch Brackets PN# 5558 and PN# 6052 to the Engine using Hex Bolts c/w Nylock Nuts (See Detail AN). Place the Belt PN# 5906 as shown in Figure 44. Fasteners can be found in Bolt Bag PN# 6053 in Gas Hardware Box PN# 7591.



DETAIL A

- Attach the Belt Guard Braces PN# 5567 and PN# 6060 using Hex Bolts c/w Nuts.

Install the Belt Guard PN# 6059 and lock it using Handwheels PN# 5802 as shown in Figure 7.

All Fasteners are found in Bolt Bag PN# 6045. The braces and Bolt Bag are found in the Long Intake Hardware Box PN# 7526. The Belt Guard can be found in Gas Hardware Box PN# 7591.

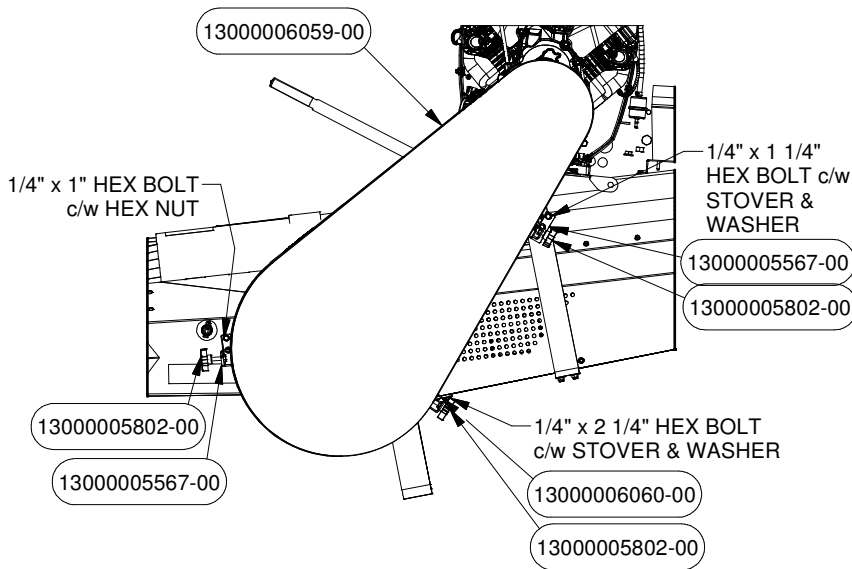


FIGURE 7

- Attach the Fuel Line PN# 6085 to the Engine and Gas Tank PN# 5571. Attach the Tachometer PN# 5801 to the Engine. All parts can be found in the Gas Hardware Box PN# 7591.

- All Parts and Fasteners for Step 10 can be found Bolt Bag PN# 6916 unless otherwise specified.

NOTE: Since the conveyor does not have a swing, the control panel can be attached to either side of the conveyor.

Attach the Base of the Control Panel PN# 6673 to the Intake using Hex Bolts and washers. Fasten the Control Panel PN# 6017 to the Control Panel Base using Self Tapping screws. Then, attach the Front of the Control Panel PN# 6675 to the base using Carriage Bolts and Nylock Nuts.

From the Hydraulic Kit, attach the 4 Spool Valve PN# 6919 to the front of the Control Panel using Carriage Bolts and Stover Nuts.

See Figure 8 for details.

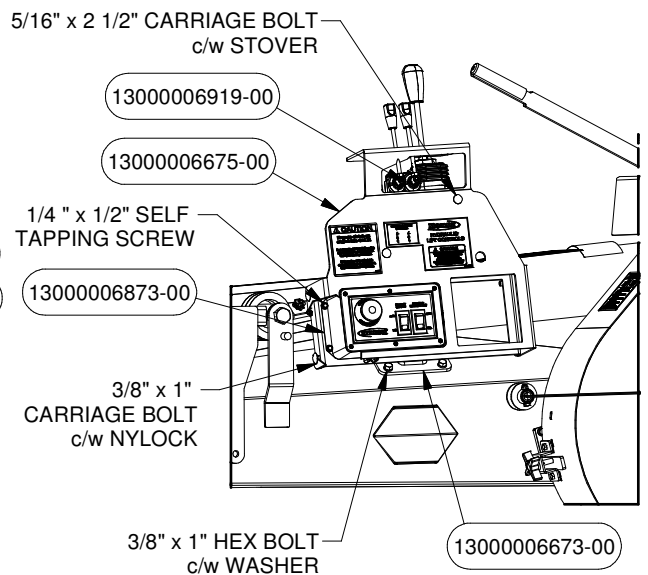


FIGURE 8

- Attach the Hitch PN# 7189 to the Intake using Hex Bolts c/w Stover Nuts as shown in Figure 9.

Attach the Drawbar PN# 7170 to the Hitch and lock it using Pin PN# 1646 and the Hair Pin. Attach Safety Chains PN# 3783 to the holes in the Hitch.

Fasteners can be found in Bolt Bag PN# 7296
All parts and Bolt Bag can be found in Long Intake Hardware Box PN# 7526.

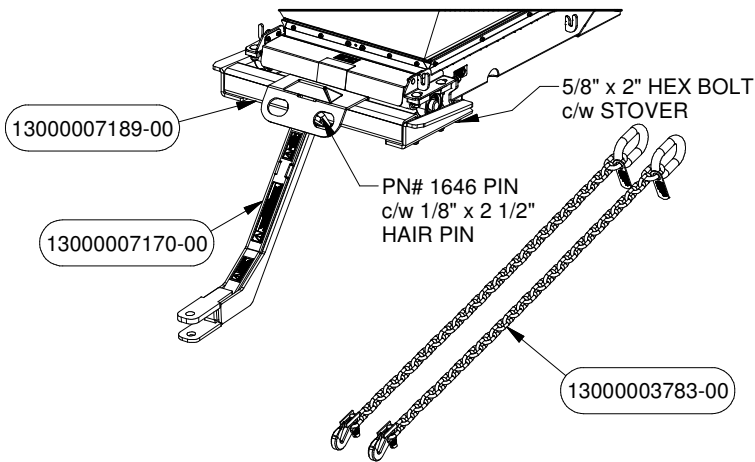
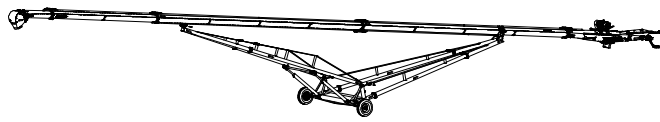


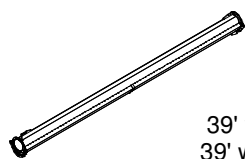
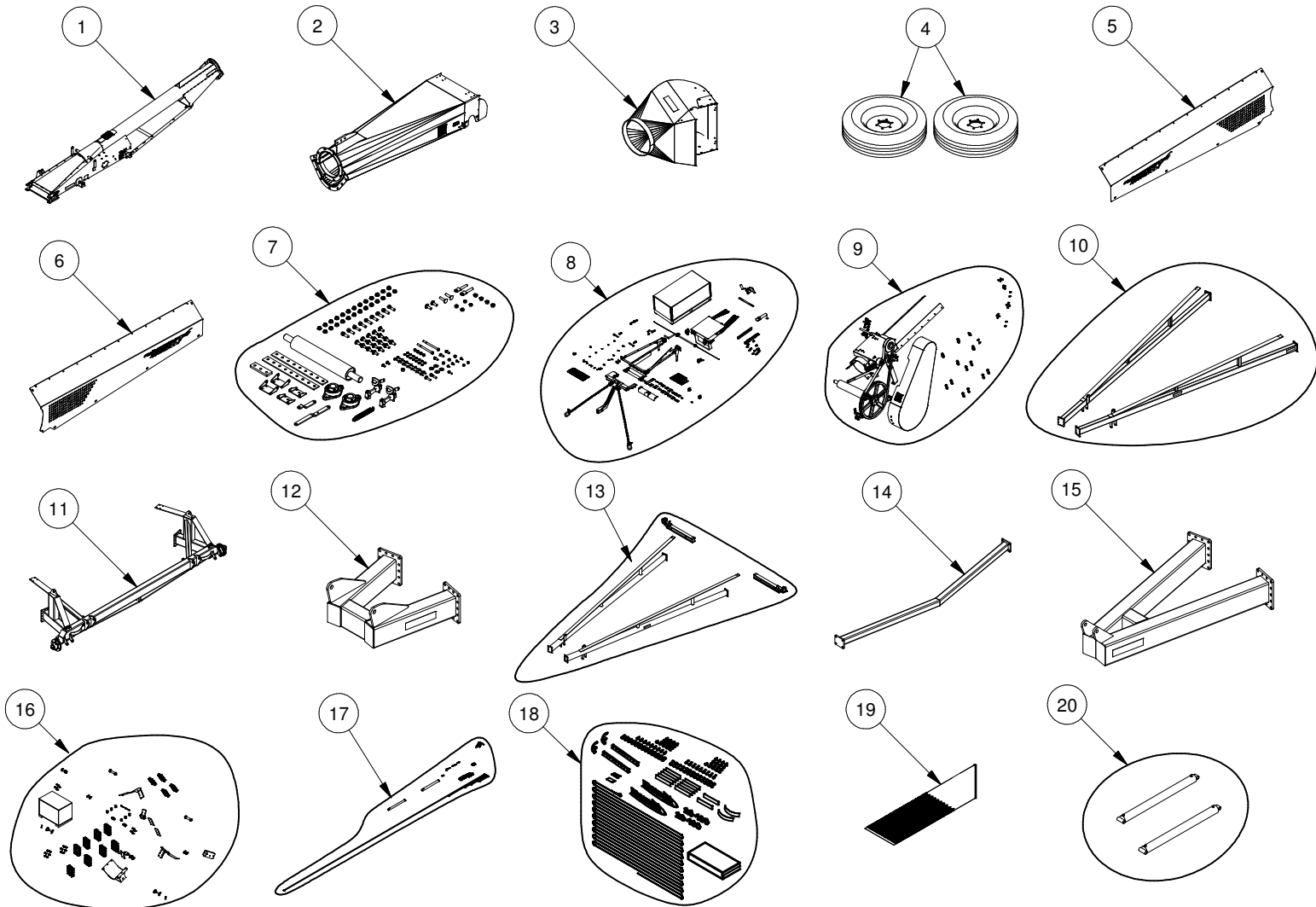
FIGURE 9

- Finish the Discharge and Winch assembly by following the steps on Page C43.
- Place the Decals found in the Hardware Boxes PN# 7007, 7144, 6696, 6967 or 6994 by following the steps on Page C44.

ELECTRIC CONVEYOR CONSISTS OF THE FOLLOWING



20-80 PN# 14200800800
20-90 PN# 14200900800
20-100 PN# 14201000800
20-110 PN# 14201100800
20-120 PN# 14201200800



TUBE
10' PN# 13000005584-00
20' PN# 13000005586-00
30' PN# 13000005670-00
39' w/ Track PN# 13000005590-00
39' w/o Track PN# 13000005588-00

ELECTRIC CONVEYOR CONSISTS OF THE FOLLOWING

ITEM	DESCRIPTION	20-80	20-90	20-100	20-110	20-120
1	EPTO Intake			13000006640		
2	Top Box			13000005672		
3	Discharge Spout			13000005500		
4	Tires 15in 6 Bolt			13000006671		
5	Cover - Intake LH Side			13000005829		
6	Cover - Intake RH Side			13000005829		
7	Hardware Box Discharge			13000006215		
8	Short Intake Hardware Box			13000006913		
9	Electric Engine Hardware Box		13000007782			13000007624
10	Main Frame Bundle	13000006237		13000006268		13000006302
11	Main Frame Axle	130000011032		13000006276		13000006306
12	Main Frame End	13000006241		13000006270		13000006304
13	A Frame Bundle	13000006250		13000006278		13000006294
14	A Frame Cross Brace	13000006235		13000006290		13000006310
15	A Frame End	13000006256		13000006280		13000006296
16	Hardware Box Frame	13000007049		13000006697		13000006962
17	Hydraulic Kit	13000006539		13000006492	13000006503	13000006535
18	Hardware Box Cable & Decals	13000007007	13000007144	13000006696	13000006967	13000006994
19	Belt	13000007003	13000007004	13000006396	13000006397	13000006398
20	Hyd Cylinder - HYS 5x60MAL			N/A		13000006536

20-80/90/100/110/120 CONVEYOR ELECTRIC MOTOR ASSEMBLY

NOTE:

FOR SHORT INTAKE SETUP, TUBE ASSEMBLY, ROLLER ASSEMBLY (INTAKE, DISCHARGE, AND S-DRIVE), AND BELT INSTALLATION, SEE PAGES C1.

PROCEED WITH ELECTRIC SETUP ONCE COMPLETE.

1. Attach the Motor Mount PN# 6719 and Clamps PN# 6223. using Hex Bolts c/w Nylock Nuts and Washers to the Intake PN# 6872. See Figure 38 for Details. Take note that the Motor Mount should be about 1 3/4" from the Bottom Return.

Fasteners can be found in Bolt Bag PN# 7792. All parts can Bolt Bag can be found in Electric Motor Hardware Box PN# 7782/7624.

See Figure 1 for details.

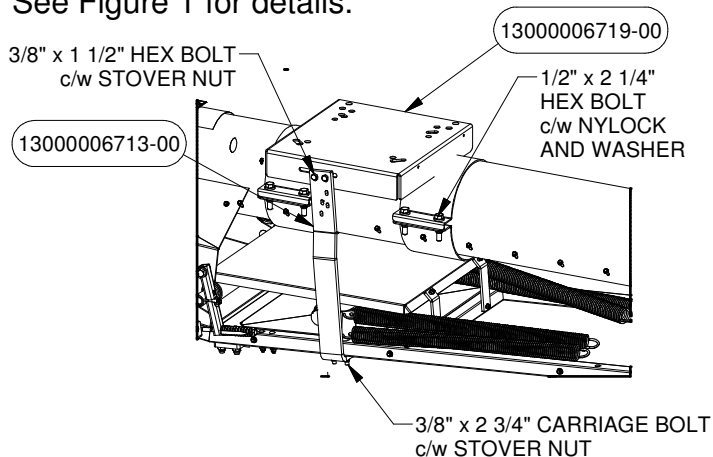


FIGURE 1

2. Place the Covers PN# 5827 and PN# 5829 with the Rubbers PN# 7620 and PN# 7621 (from Hardware Box PN# 7782 or 7624) to the Intake using Self Tapping Screws and washers as shown in Figure 2. Fasteners can be found in Bolt Bag PN# 6068 in Hardware Box PN# 6913.

To secure the Motor Mount in place, attach the Motor Mount Brace PN# 6713 as shown in Figure 1 using fasteners from Bolt Bag PN# 6951 in Hardware Box PN# 7782/7624.

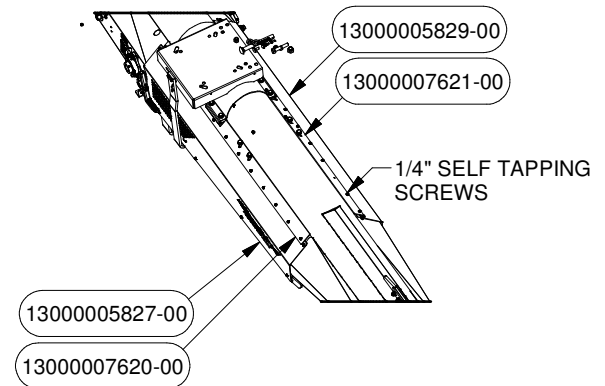


FIGURE 2

3. Attach the Manual Holder PN# 5049 to the Motor Mount PN# 6719 using its included 1/4" Self Tapping Screws. Parts can be found in Intake Hardware Box PN# 6913. See Figure 3 for details.

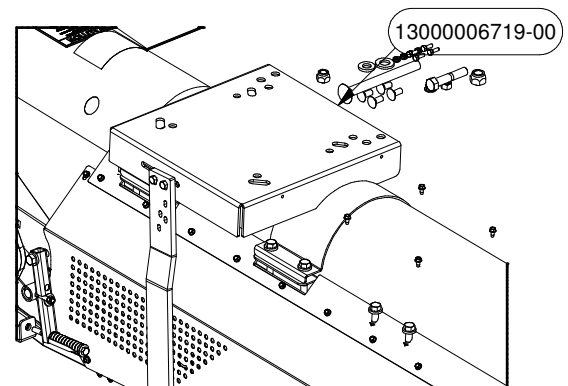


FIGURE 3

4. Attach the Intake Rise PN# 6848 to the Intake using Carriage Bolts and Stovers. Fasteners can be found in Bolt Bag PN# 6915 in Short Intake Hardware Box PN# 6913. See Figure 4 for details.

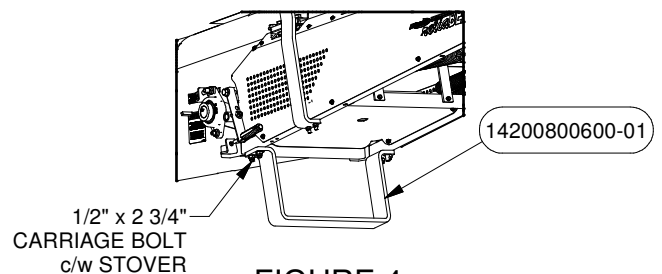


FIGURE 4

- Attach the Electric Motor to the Motor Mount PN# 6719 using Hex Bolts c/w Nylock Nuts and Flat Washers as shown in Figure 5.

Fasteners can be found in Bolt Bag PN# 7781/7622. Bolt Bag can be found in Electric Motor Hardware Box PN# 7782/7624.

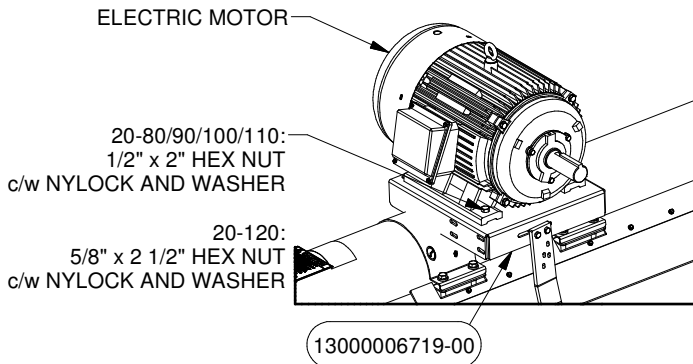


FIGURE 5

- Attach the Sheave PN# 5528 and QD Bushing PN# 5529 to the Roller PN# 5728 and lock it using a Square Key PN# 5173 included in Bolt Bag PN# 5830.

Mount the Tensioner PN# 6247 to the Motor Mount PN# 6917 using its included fasteners.

Attach the Sheave PN# 7362 and QD Bushing (Item 1) to the Motor and lock it using the provided a Square Key. Place the Belt (Item 2) as shown in Figure 6.

Bolt Bag can be found in Short Intake Hardware Box PN# 6913 and all other parts can be found in the Electric Hardware Box PN# 7782/7624.

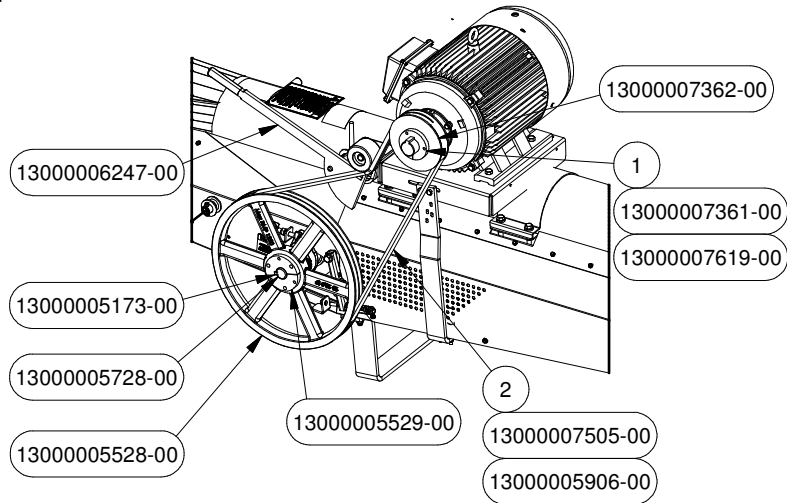


FIGURE 6

- Attach the Belt Guard Braces PN# 5567 and PN# 6060 using Hex Bolts c/w Nuts.

Attach the Brackets PN# 5567 and 7182 to the Belt Guard PN# 7300 using Hex Bolts c/w Hex Nuts and Washers.

Install the Belt Guard and lock it using Handwheels PN# 5802.

All fasteners are found in Bolt Bag PN# 6951. See Figure 7 for details.

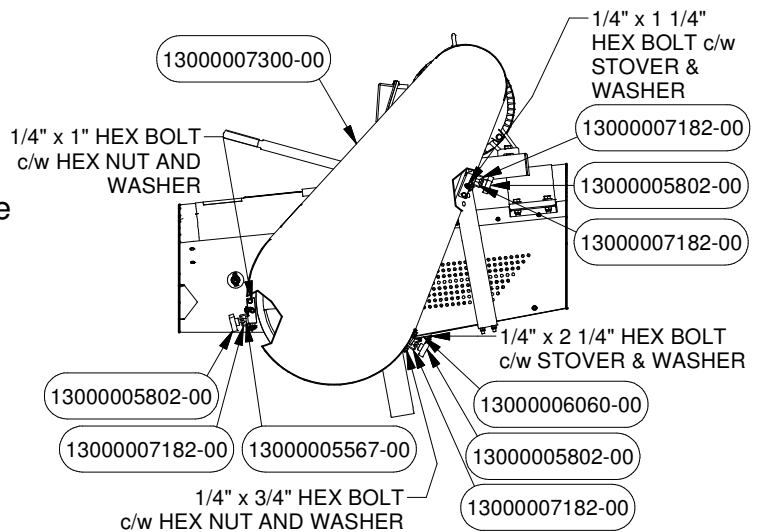


FIGURE 7

8. Fasteners can be found in Bolt Bag PN# 7296
All parts and Bolt Bag can be found in Short
Intake Hardware Box PN# 6913.

Attach the Hitch PN# 7189 to the Intake using
Hex Bolts c/w Stover Nuts as shown in Figure
8.

Attach the Drawbar PN# 7170 to the Hitch
and lock it using Pin PN# 1646 and the Hair
Pin. Attach Safety Chains PN# 3783 to the
holes in the Hitch.

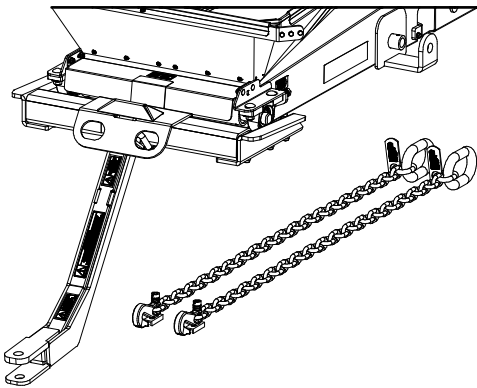


FIGURE 8

9. Finish the Discharge and Winch assembly by
following the steps on Pages C43.
10. Place the Decals found in the Hardware Boxes
PN# 7007, 7144, 6696, 6967 or 6994 by
following the steps on Page C44.

DISCHARGE ASSEMBLY

- For steps 1-3 all parts and Bolt Bag can be found in Discharge Hardware Box PN# 6215. Fasteners can be found in Bolt Bag PN# 5816.

Attach the Hinges PN# 5505 to the Spout PN# 5500 and Hinges PN# 5506 to Top Box PN# 5672 using Carriage Bolts c/w Nylock Nuts. Connect the Flat Arms PN# 5823 and PN# 5607 then attach it to the Spout using Hex Bolts c/w Nylock Nuts (see Figure 1).

Attach the Spring PN# 5919 to the Spout and Discharge PN# 5672 using a Hex Bolt, and a Carriage bolt c/w Nylock Nuts and Washers as shown in Figure 1.

- Wrap the Cable (Item 8) to the Winch PN# 6693 as shown in Figure 2. Loop the other end to the Bolt located at the Arms and clamp it using Cable Clamps PN# 32014109 as shown in Figure 3. Cable can be found in a Decal Hardware Box PN# 7007/7144/6696/6697/6994.

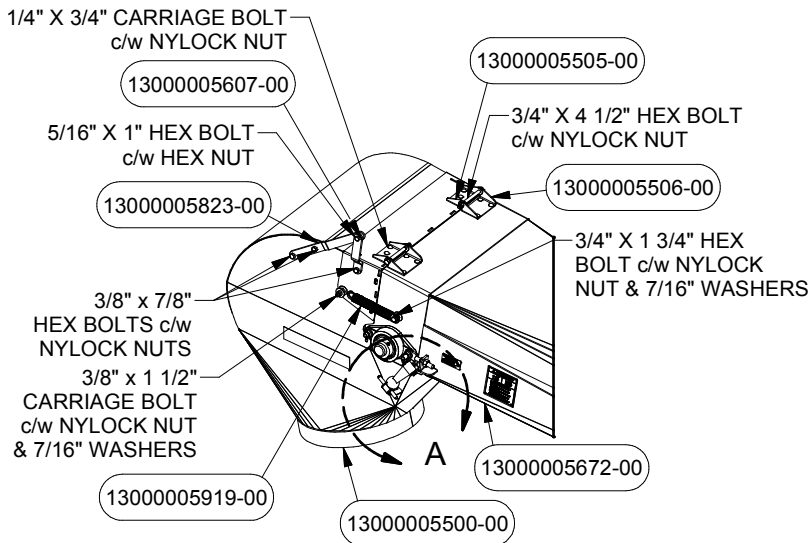
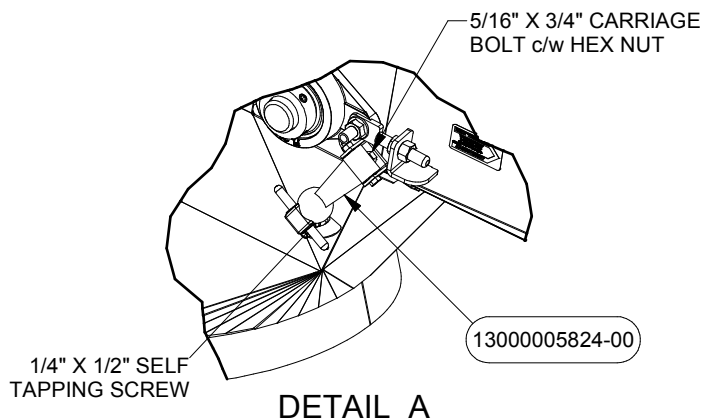


FIGURE 1

- Attach the Latch PN# 5824 to the Discharge and Spout using Hex Bolt c/w Hex Nut and Self Tapping Screws (See Detail A).



DETAIL A

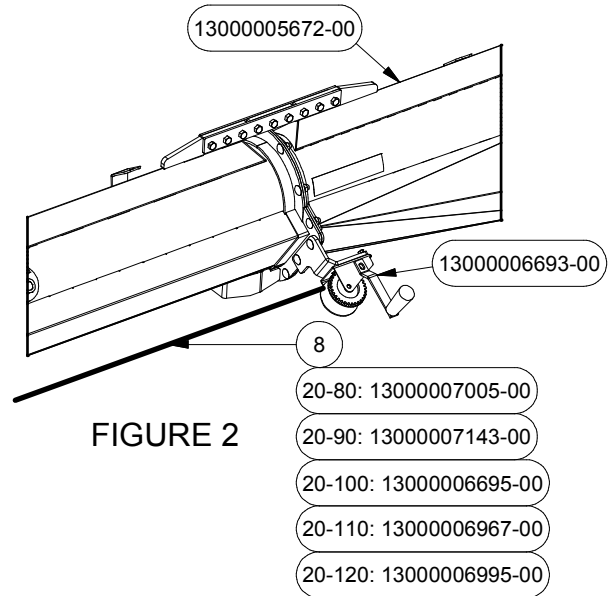


FIGURE 2

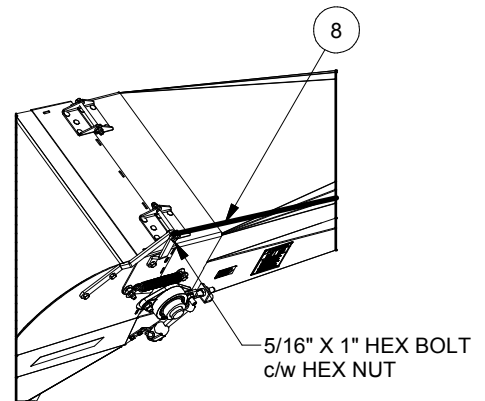


FIGURE 3

DECAL PLACEMENT

1. Place the Decals found in Kit PN# 7007, 7144, 6696, 6967 or 6694 on the Tube as shown in Figure 1, using steps 36-38.
2. Measuring from the intake/tube connection, place decal PN# 5060 35" and the conveyor length decal 44" from the flange.
3. The Qty. of decal PN# 2901 varies depending on the length of the conveyor.
Measuring from the each tube/tube connection, place decals PN# 2901 8" from the flange connection on the tube closer to the intake.
4. Measuring from the tube/top box connection, place decal PN# 6369 12" from the flange.

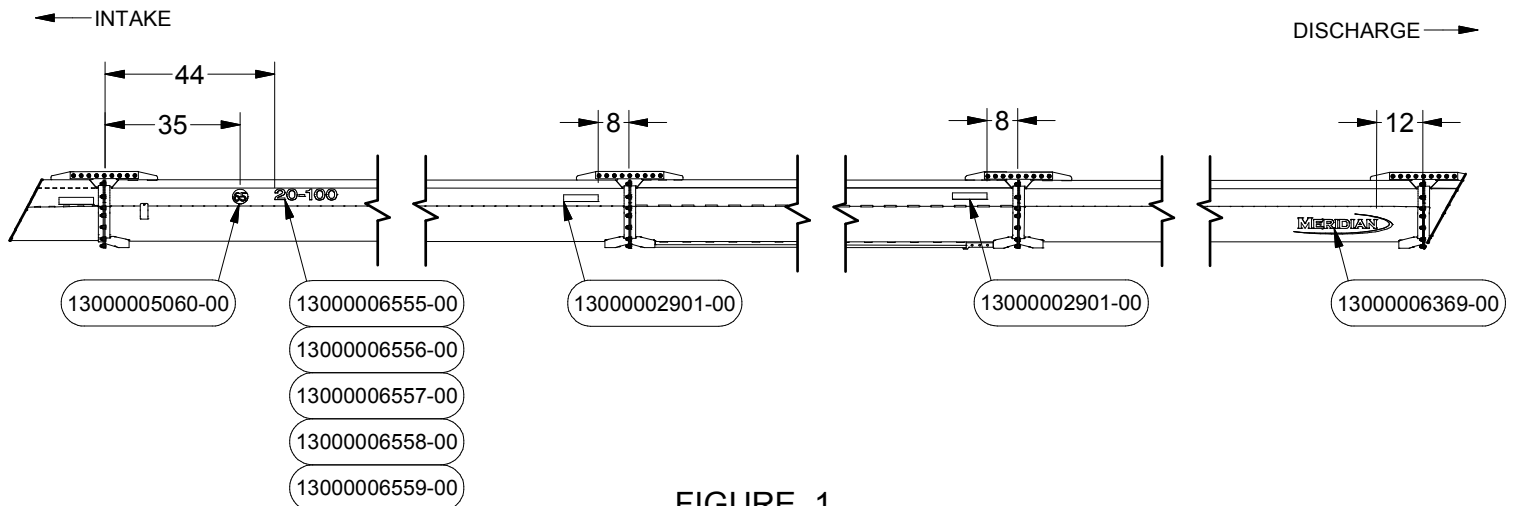


FIGURE 1

FRAME ASSEMBLY

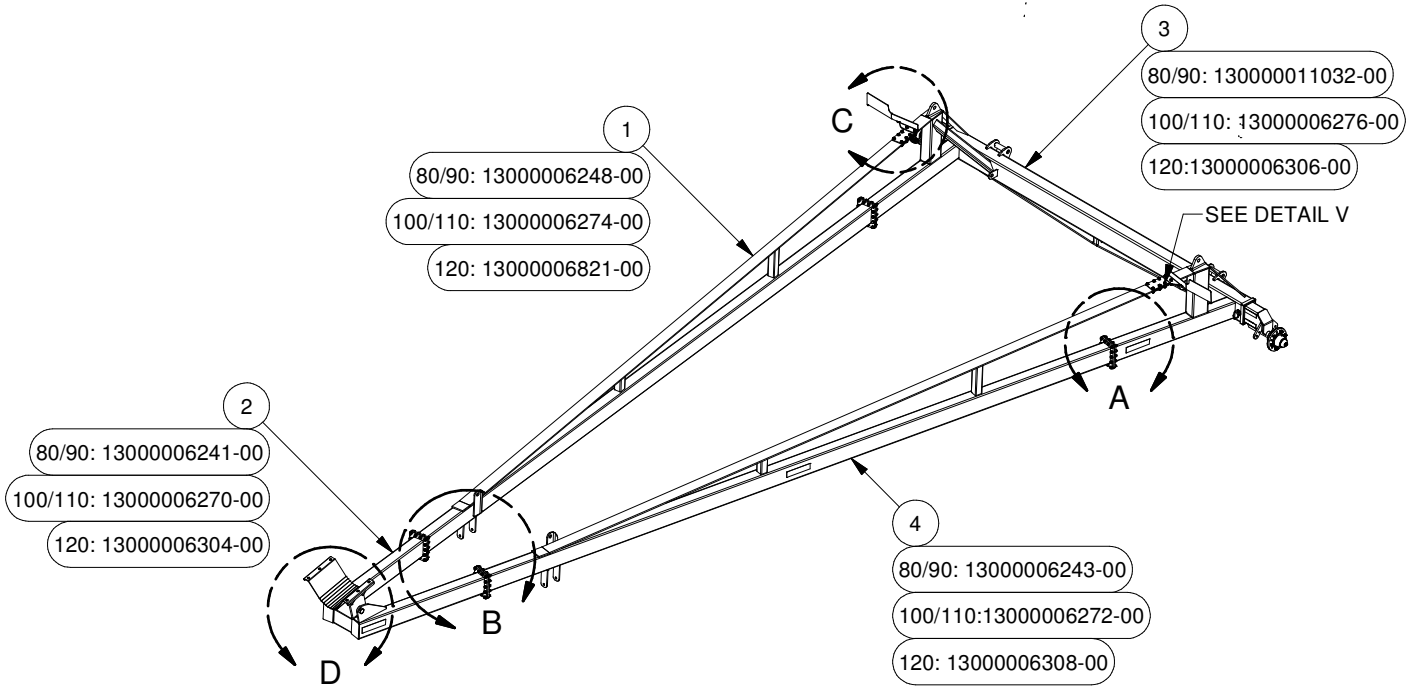
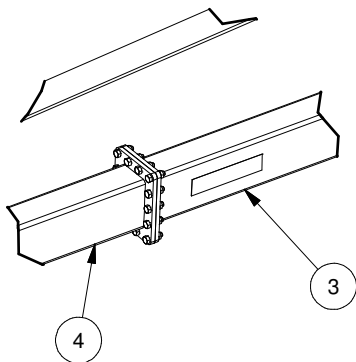


FIGURE 1

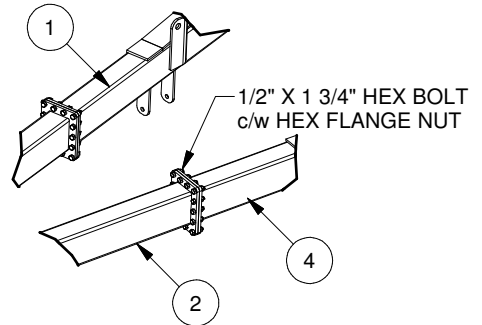
- For Steps 1 to 6, all Parts and Bolt Bag can be found in the Frame Hardware Box PN# 7049, 6697 & 6962. Items 1 & 4 can be found in Bundle Frame PN# 6237, 6268 & 6302.

Attach the LH and RH Main Frame PN# 6272 and PN# 6274 to the Axle PN# 6276 using Hex Bolts c/w Flange Nuts (See Detail A). Fasteners can be found in Bolt Bag PN# 6440.



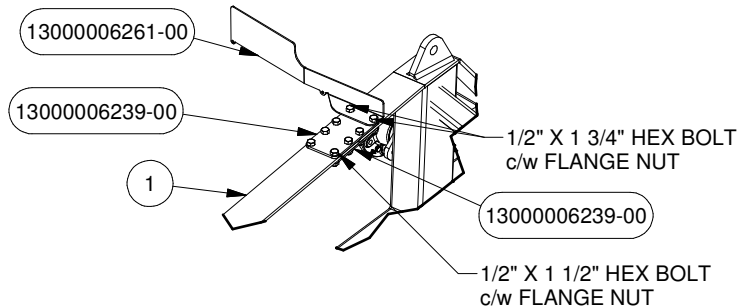
DETAIL A

- Attach the Main Frame End PN# 6270 to the LH Arm and RH Arm using Hex Bolts c/w Flange Nuts (See Detail B).



DETAIL B

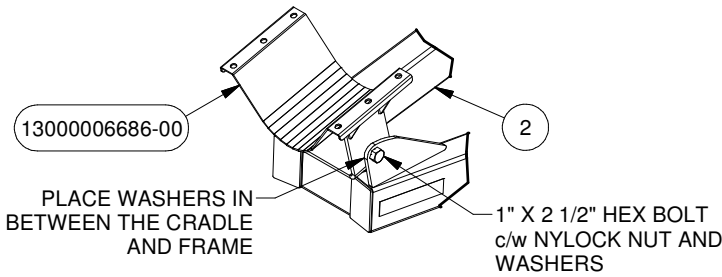
- Attach the Plates PN# 6239 and the LH & RH Holders PN# 6260 & PN# 6261 to the Frames using Hex Bolts c/w Flange Nuts. Fasteners can be found in Bolt Bag PN# 6963 (See Detail C).



DETAIL C

FRAME SETUP

4. Attach the Cradle PN# 6686 to the End Frame PN# 6270 using Hex Bolts c/w Nylock Nuts and Washers. (See Detail D).



DETAIL D

5. Attach the Tires PN# 6671 to the Axle using the Wheel Bolts as shown in Figure 2.

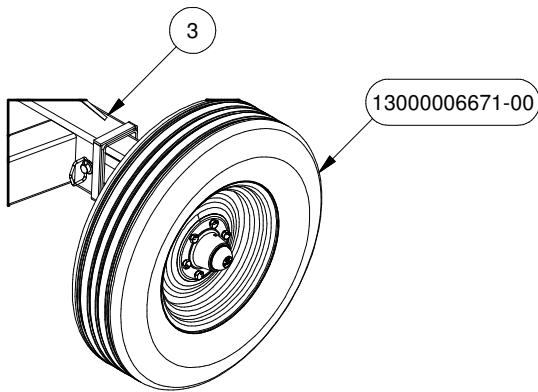


FIGURE 2

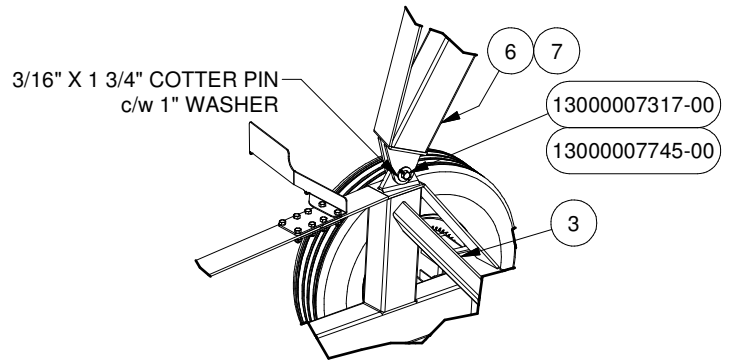
6. For Steps 8 to 13, all Parts and Bolt Bag can be found in the Frame Hardware Box PN# 7049/ 6697/ 6962. Items 6-9 can be found in Bundle Frame PN# 6250/ 6278/ 6294.

For 80-90 & 120 Conveyors, attach LH and RH A-Frame (Items 6 & 8 in Figure 3) using Pins PN# 7317 and 7745 c/w Cotter Pins and Washers.

Fasteners can be found in Bolt Bag PN# 7048 & 6964 respectively.

For 100-110 Conveyors, attach the LH and RH A-Frame Extensions (Items 7 & 9 in Figure 3) to the Axle (Item 3 in Figure 1) using the Pins PN# 7317 c/w Cotter Pins and Washers.

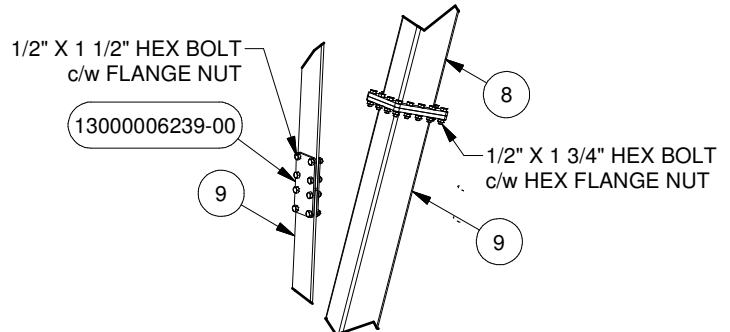
Fasteners can be found in Bolt Bag PN# 6700. See Detail E for details.



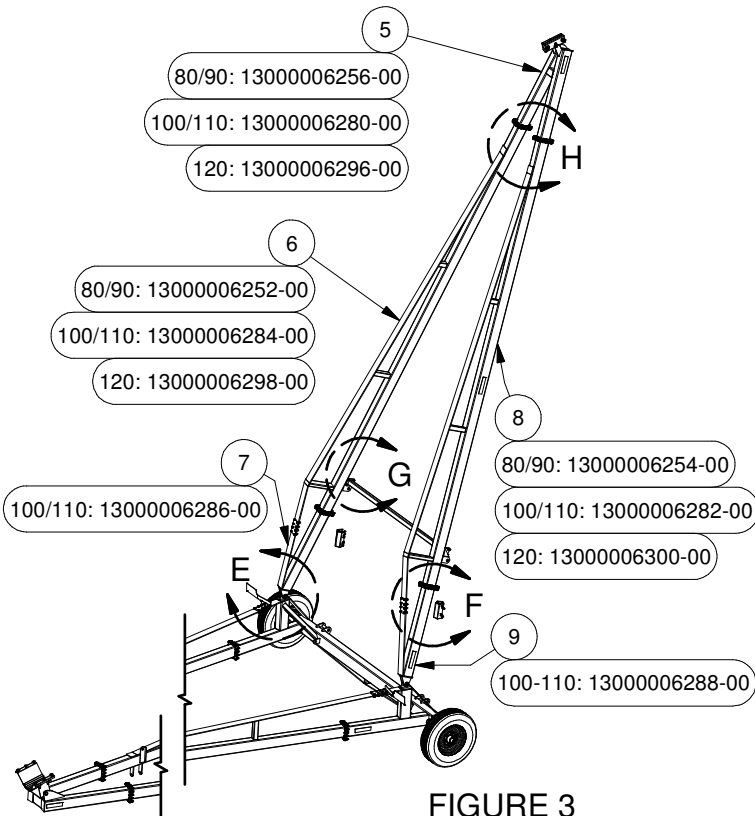
DETAIL E

7. For 100/110 attach the LH and RH A-Frame PN# 6282 and PN# 6284 to the LH and RH A-Frame Extensions using Hex Bolts c/w Flange Nuts. Fasteners can be found in Bolt Bag PN# 6440.

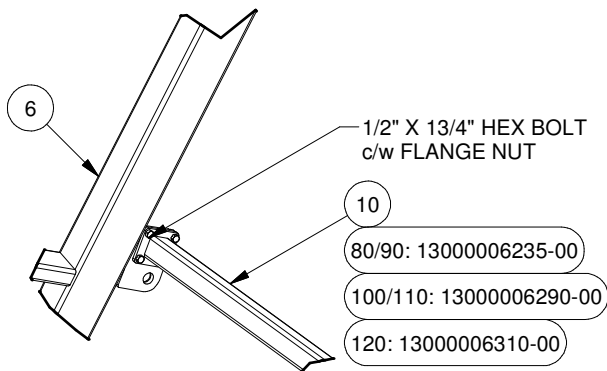
Attach the Plates PN# 6239 to join the two frames using Hex Bolts c/w Flange Nuts. Fasteners can be found in Bolt Bag PN# 6441. See Detail F for details.



DETAIL F

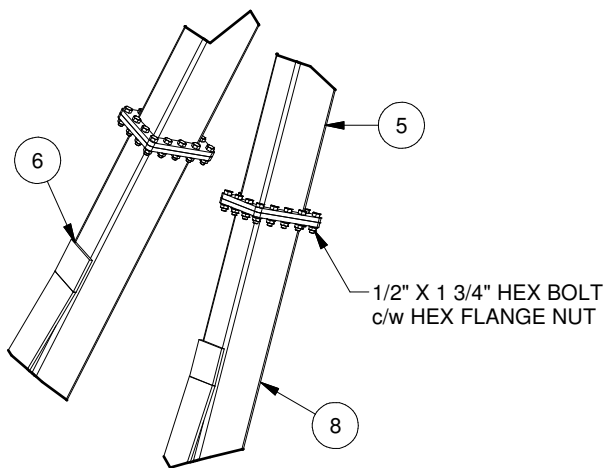


8. Attach the Cross Brace (Item 10 in Detail G) to the LH and RH A-Frame Arms using Hex Bolts c/w Flange Nuts (See Detail G). Fasteners can be found in Bolt Bag PN# 6699.



DETAIL G

9. Attach the LH and RH A-Frame (Items 6 & 8) to the A-Frame Head PN# 6280 using Hex Bolts c/w Flange Nuts (See Detail H). Fasteners can be found in Bolt Bag PN# 6440.



DETAIL H

10. Attach the Trolley PN# 6165 to the Tube Track PN# 5590 and Item 5 using Pins PN# 7312 and 7314 c/w Cotter Pins and Washers. Fasteners and Pins can be found in Bolt Bag PN# 6701. See Figure 4 for details.

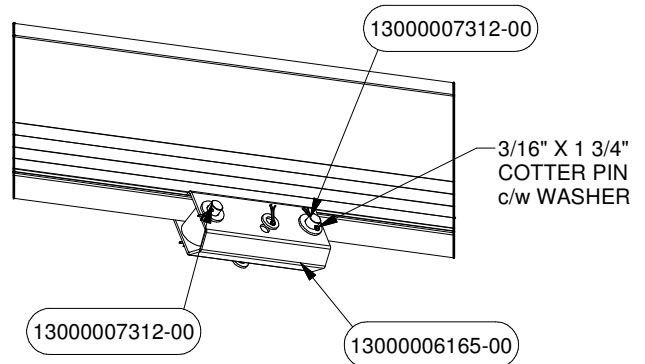


FIGURE 4

20-80/90/100/110 MOVER ASSEMBLY

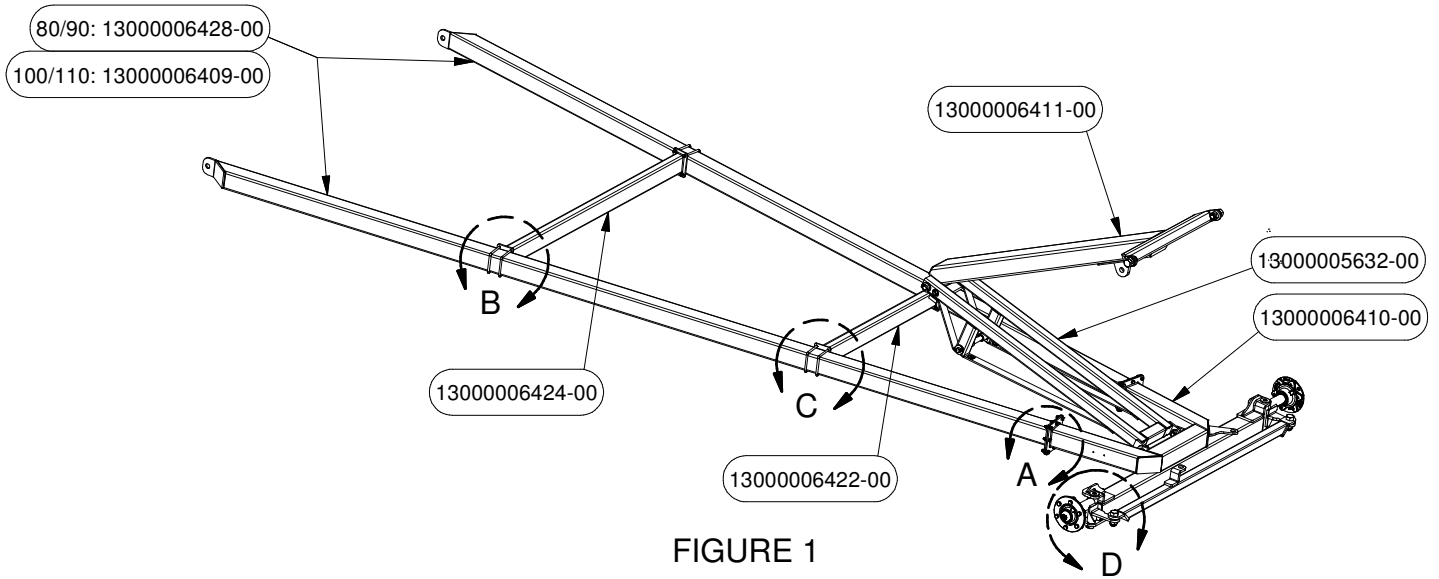
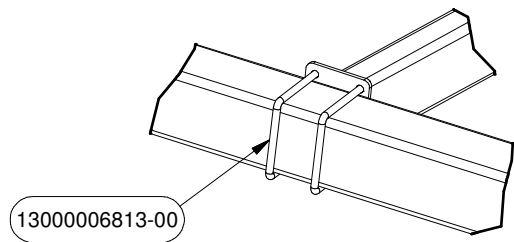


FIGURE 1

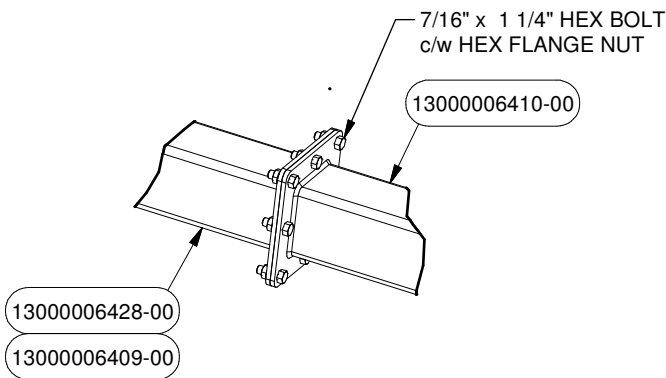
1. All Parts and Bolt Bags can be found in the Mover Hardware Box PN# 6844. Frames can be found in 20-80/90 Bundle Frame PN# 7156 and 20-100/110 Bundle Frame PN# 6843. For Steps 1-3, Fasteners can be found in Bolt Bag PN# 6809.

Attach Mover Frame Arms PN# 6428 or PN# 6409 to Steering Axle PN# 6410 using Hex Bolts c/w Flange Nuts (see Detail A).

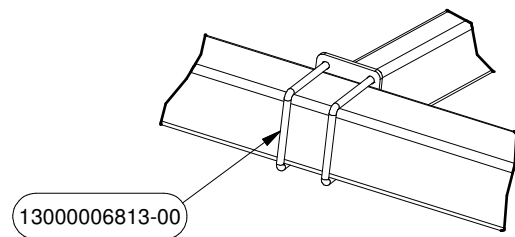


DETAIL B

3. Attach the Cross PN# 6424 to the LH Arm and RH Arm using U-Bolts c/w Stover Nuts (see Detail C).



DETAIL A



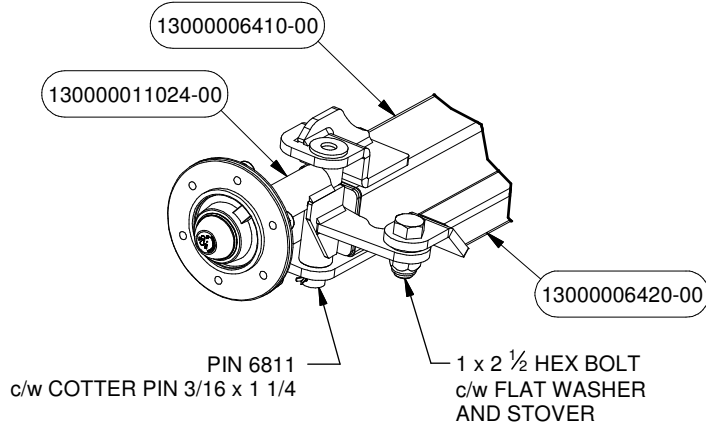
DETAIL C

2. Attach the Cross PN# 6422 to the LH Arm and RH Arm using U-Bolts c/w Stover Nuts (See Detail B).

4. For Steps 4-5, Fasteners can be found in Bolt Bag PN# 6845.

Fasten LH and RH Steering Knuckles PN# 11025 and 11024 to Steering Axle using pin 6811 and cotter pin (see Detail D).

5. Between the Steering Knuckles, connect the Tie Rod PN# 6420. With the Flat Washer between Steering Knuckle and Tie Rod, fasten using Hex Bolt and Stover (see Detail D).



DETAIL D

6. Attach the Tires PN# 6840 to the Axle using the Wheel Bolts PN# 3156 as shown in Figure 2.

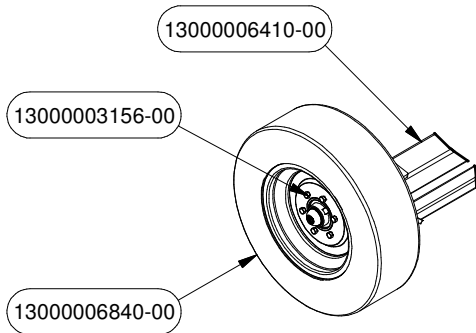


FIGURE 2

7. Attach Cylinder 6404 to the Mover Axle and Tie Rod as shown in Figure 3. The cylinder can be found in the Hydraulic Kit.

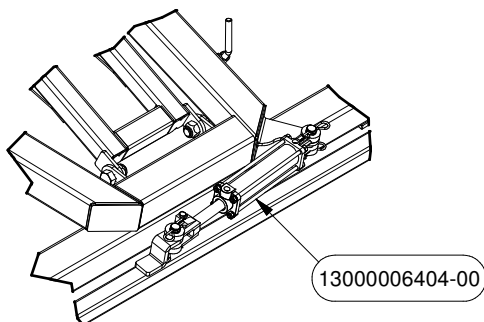


FIGURE 3

8. Attach the Mover Arm PN# 6248 or 6409 to the Main Frame PN# 11032 or 6276 using a Hex Bolt, Flat Washer and Stover, placing the washer between the arm and axle. The fasteners are found in Bolt Bag PN# 6846 the flat washer between the Arm and Axle. See Detail E for details.

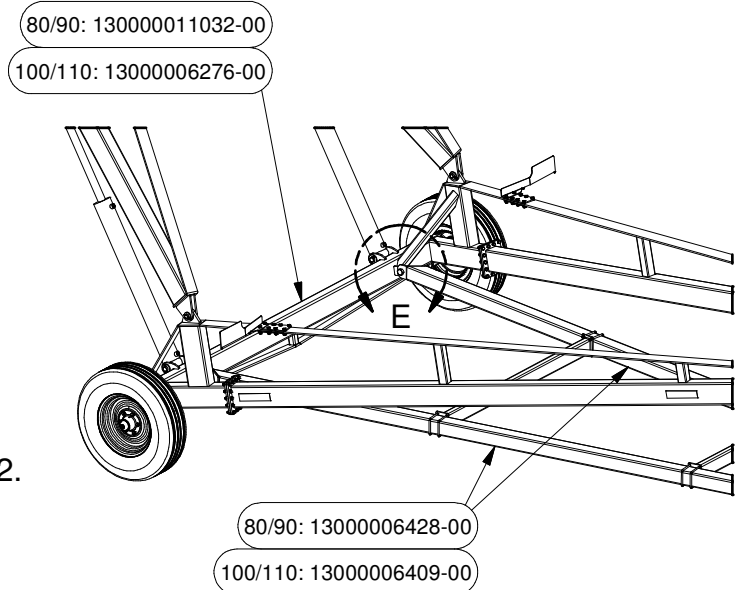
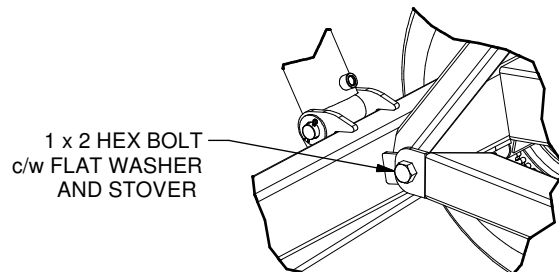
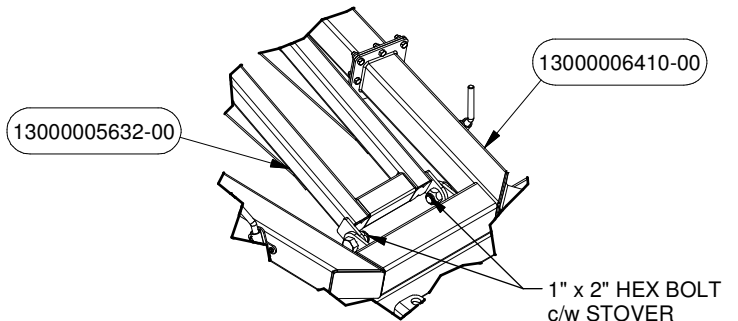


FIGURE 4



DETAIL E

9. Connect the Scissor Lift PN# 5632 to the Mover Axle PN# 6410 using 2 Hex Bolts and Stovers found in Bolt Bag PN# 6847 (see Detail F).



DETAIL F

10. Connect the Scissor Lift PN# 5632 to the Lift Arm PN# 6411 using Pin PN# 5260, washers and cotter pins Bolt Bag PN# 6847 (see Detail G).

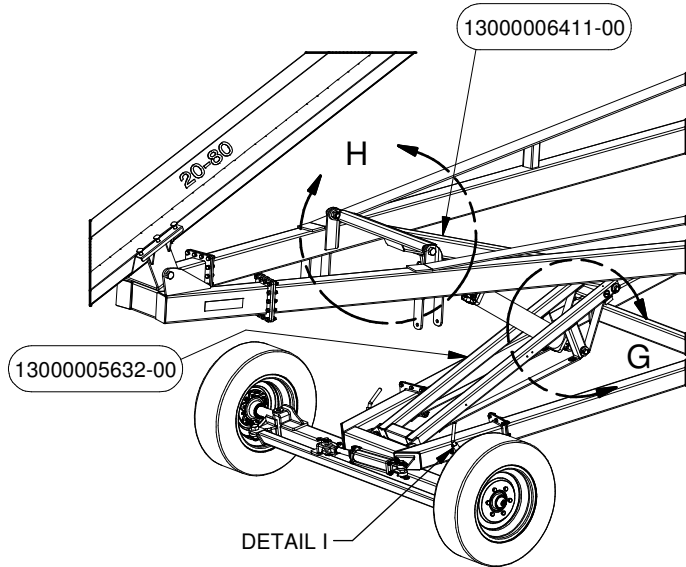
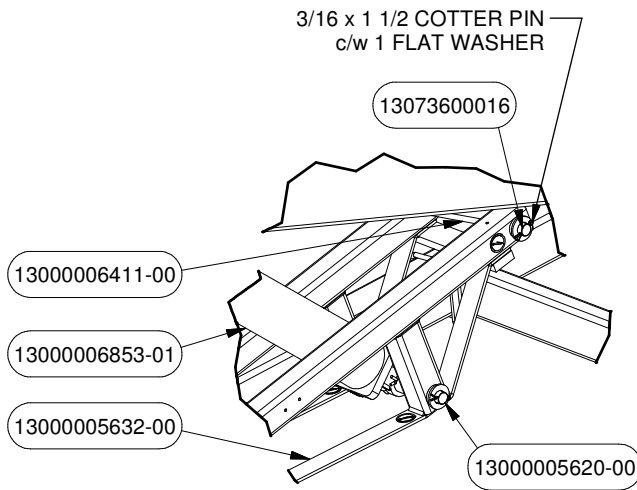
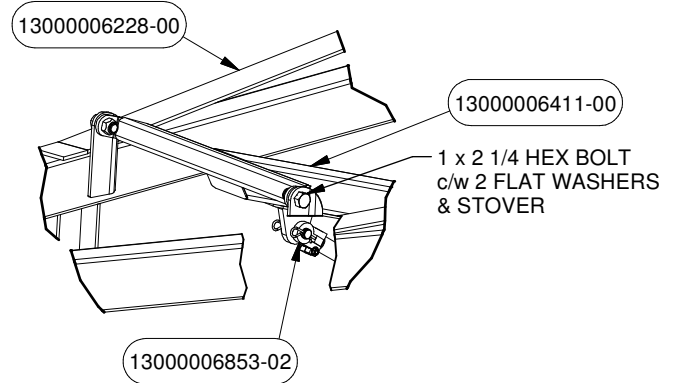


FIGURE 5



DETAIL G

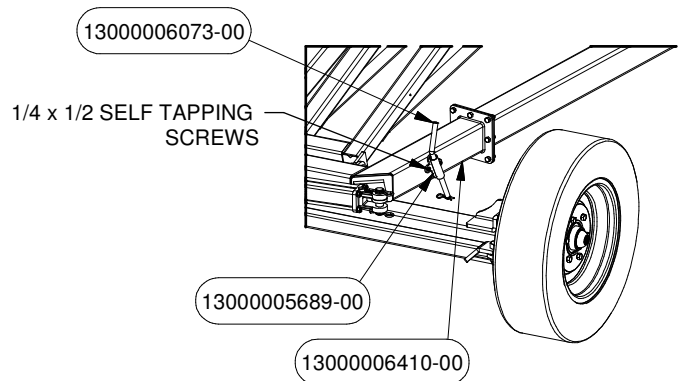
11. Attach the top of the Lift Arm to the inside of the Main Frame using Hex Bolts and stovers. Place 2 Flat washers between the Lift Arm and Main Frame Arms. Fasteners can be found in Bolt Bag PN# 6846 (see detail H).



DETAIL H

12. Attach the Cylinder PN# 6853 to the Scissor Lift and Lift Arm. Connect the bottom to the Scissor Lift using Pin PN# 5260 and Cotter Pin. Fasteners are in Bolt Bag PN# 6847 and the Cylinder is in the Hydraulic Kit (see Detail G). Connect the top end to the Lift arm as shown in detail H.

13. Fasten Pin Holders PN# 5689 to both sides of the Mover Axle PN# 6410 using self Tapping Screws found in Bolt Bag PN# 6846. This gives a place to store the lock pins while the mover is in use (see Detail I).



DETAIL I

14. Fasteners for steps 13-14 can be found in Bolt Bag PN# 6929. Fasten Oil Filter Bracket PN# 6687 and Oil Tank Brackets PN# 6924 to the Main Frame using U-Bolts, Stovers and Washers as shown in Figure 6.

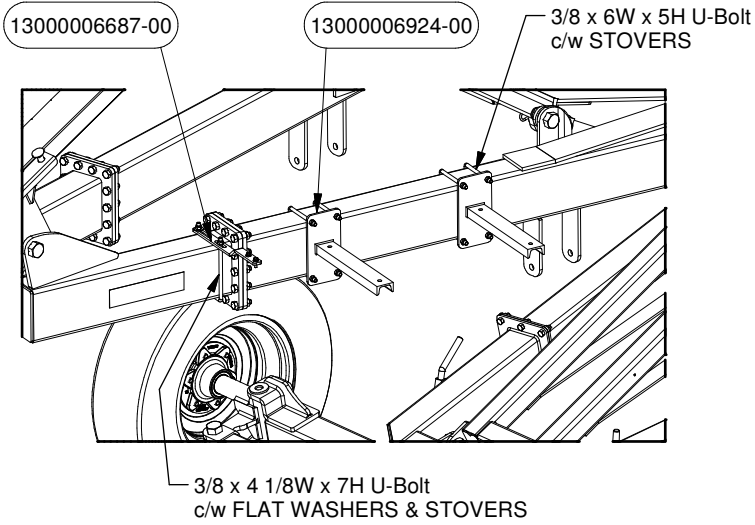
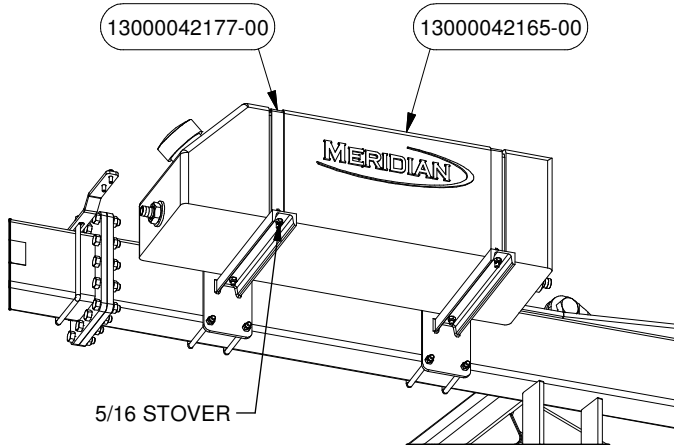


FIGURE 6

15. Attach Oil Tank PN# 42165 using Oil Tank Clamp PN# 42177 with Stovers shown in Detail J.



DETAIL J

CONVEYOR 20-15 SWING ASSEMBLY

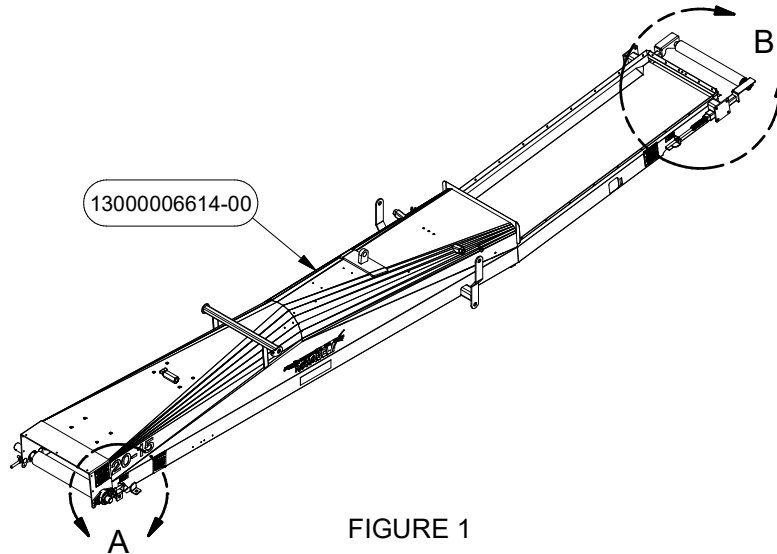
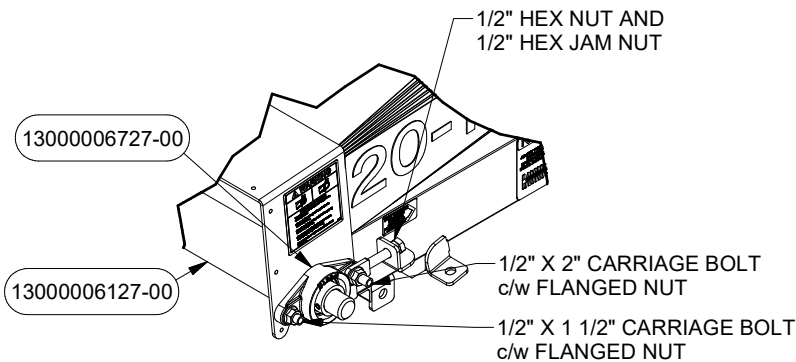


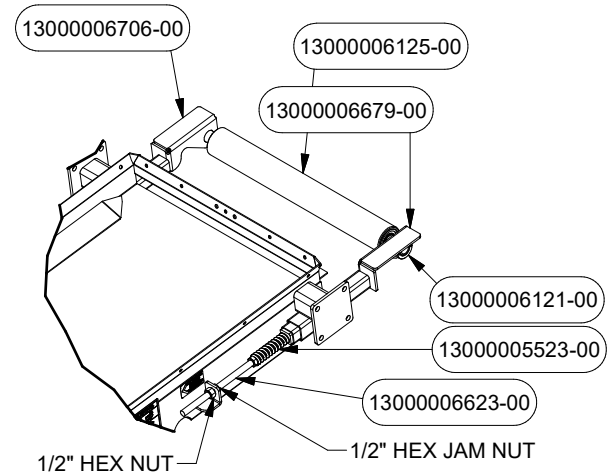
FIGURE 1

1. For Steps 1 to 24, all Parts and Bolt Bags can be found in the SW Hardware Box PN# 7251 for the EPTO and SW Hardware Box PN# 7691 for the Diesel.

Attach the Roller PN# 6127 and Bearings PN# 6727 to the SW Body PN# 6614 using Carriage Bolts c/w Flange Nuts (See Detail A). Attach the Adjuster Tab PN# 5503 c/w Jam Nut as shown below. Fasteners can be found in Bolt Bag PN# 6784.



DETAIL A



DETAIL B

3. Attach a cable or rope to one end of the Coveytor Belt PN# 6130. Insert the Belt in the Hopper End and pull it into the tube structure with the cable or rope until it comes out from the Discharge.

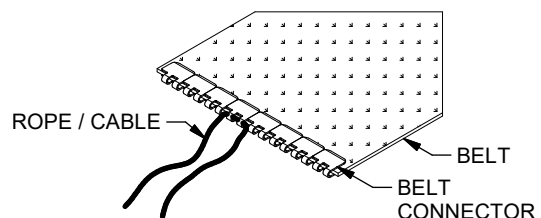


FIGURE 2

2. Attach the Bottom Roller Brackets PN# 6706 and PN# 6679 to the SW Body using the Adjuster Rod PN# 6623 and Nuts. Fasteners can be found in Bolt Bag PN# 6794 (See Detail B).
3. Attach the Bottom Roller PN# 6125 to the Roller Brackets using the CoLlar PN# 6121 c/w Set Screws (See Detail B).

SWING SETUP

4. Feed the belt back through the tube structure. Pull it with the cable or rope until it comes out from the Hopper End, then join the two ends together using the belt connectors as shown in Figure 3.

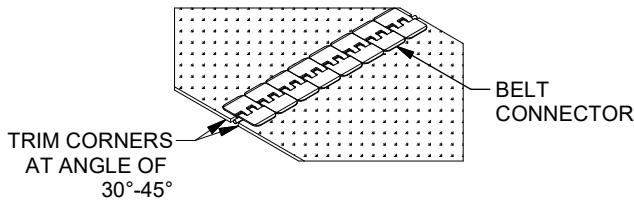


FIGURE 3

5. Attach the Mover Axle PN# 7071 to the SW Body using Hex Bolt c/w Stover Nut. Fasteners can be found in Bolt Bag PN# 7309 (see Figure 4).

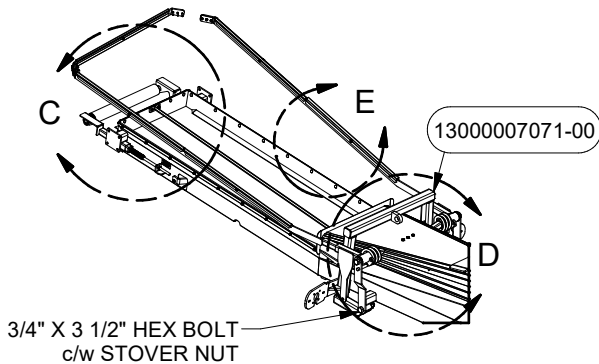
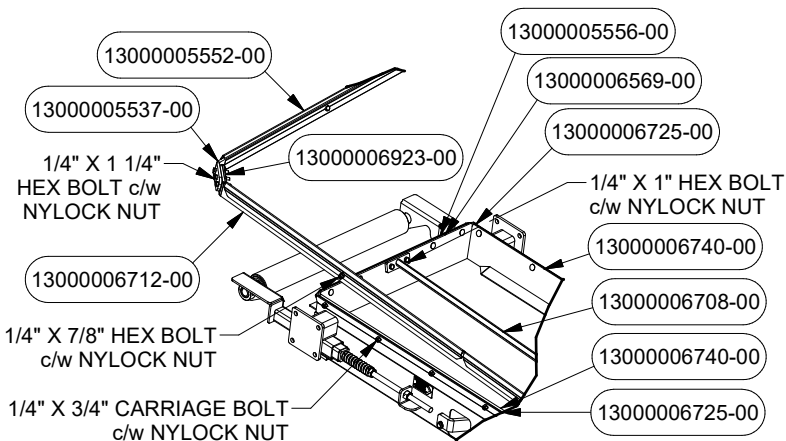


FIGURE 4

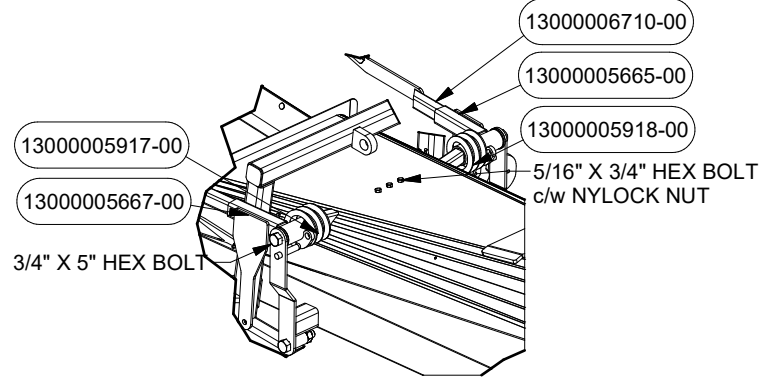
NOTE: CANVAS NOT SHOWN FOR CLARITY



DETAIL C

6. Insert the Springs PN# 5918 and 5917 to the LH Pivot PN# 5665 and RH Pivot PN# 5667 as shown in Detail D. Attach both Pivots to the SW Body using Hex Bolts that can be found in Bolt Bag PN# 7253.

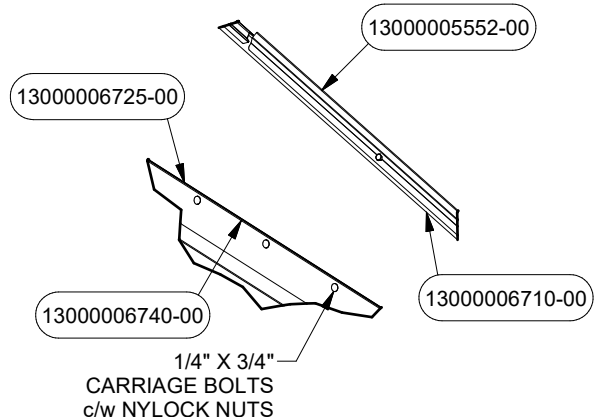
7. Attach the LH Hopper Hoop PN# 6710 to LH Pivot PN# 5665 and RH Hopper Hoop PN# 6372 to RH Pivot PN# 6712 (See Detail C & D). Connect PN# 6710 and PN# 6372 with the Cross Arm PN# 5537 using Hex Bolts c/w Nylock Nut (See Detail C). Fasteners can be found in Bolt Bag PN# 6793.



DETAIL D

8. Attach the Canvas PN# 6799 to PN# 6712 and PN# 6710 using the Clips PN# 5552 c/w Hex Bolts and Nuts (See Detail C and Detail E). Fasteners can be found in Bolt Bag PN# 6793.

9. Attach the Canvas PN# 6798 to the SW Body by placing Rubbers PN# 6740 and 6569 on top and insert the Flashing Strips PN# 5539, and PN# 6725 into the Canvas then fasten it using Carriage Bolts c/w Flange Nuts. (See Details C, D and E for locations). Fasteners can be found in Bolt Bag PN# 6793.



DETAIL E

10. Attach the Depressor PN# 6708 to the SW Body PN# 6614 (See Detail AE). Fasten the other end of the Depressor using Hex Bolt c/w Nylock Nuts (See Detail AF). Fasteners can be found in Bolt Bag PN# 7253.

SWING SETUP

11. Attach the Scraper PN# 5553 to the SW Body PN# 6614. Insert the other end in to a Rectangular Hole then fasten it using Hex Bolt c/w Nuts and Washer (see Figure 5). Fasteners can be found in Bolt Bag PN# 6794.

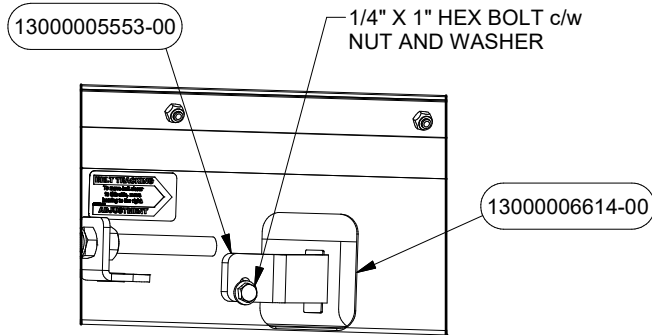


FIGURE 5

15. Assemble the Electric Motors PN# 7073-01 and the Tires PN# 7073-05 to the Axle and lock it using the Jogger Pins found in Mover Hardware Box PN# 7073 (see Figure 7).

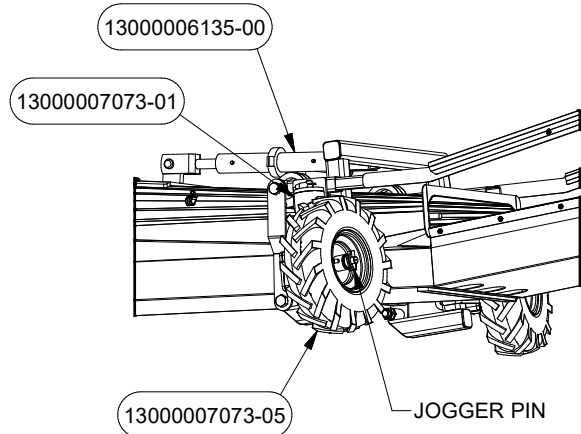


FIGURE 7

12. Place the Conveyor Belt PN# 6130 and loop to Roller PN# 6127 and back to the Hopper End Roller PN# 6125.

13. Attach the Pinch Tube PN# 6430 to the SW Body using Hex Bolt c/w Nylock. Assemble the Indicator PN# 6084 and Spring PN# 5523 using Hex Bolt and Nylock Nut as shown in Figure 27. Fasteners can be found in Bolt Bag PN# 6784.

14. Attach the Roller PN# 6123 to the Pinch Tube PN# 6430 using Hex Bolt c/w Nylock Nut (see Figure 6). Fasteners can be found in Bolt Bag PN# 6784.

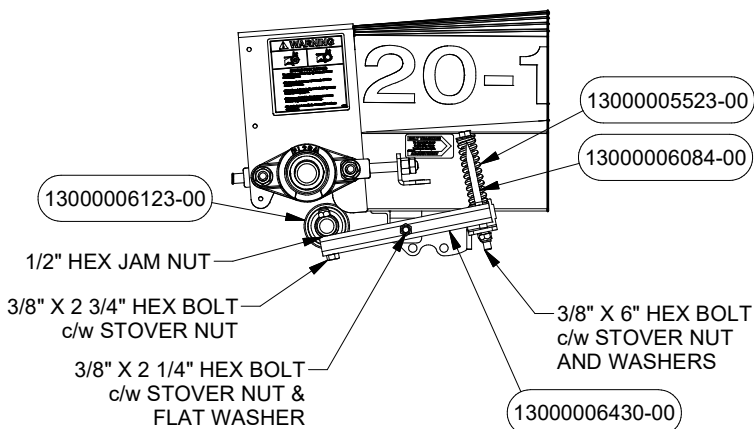


FIGURE 6

16. Attach the Jack PN# 6135 to the SW Body and Mover Axle. Attach the Bracket PN# 7073-07 and the Fuse PN# 7073-08 to the SW Body using Self Tapping Screws. Attach the Wireless Receiver PN# 7073-02 using Hex Bolts c/w Flanged Nut. Attach the Insulators PN# 7073-04 to the Wireless Receiver as shown in Figure 8.

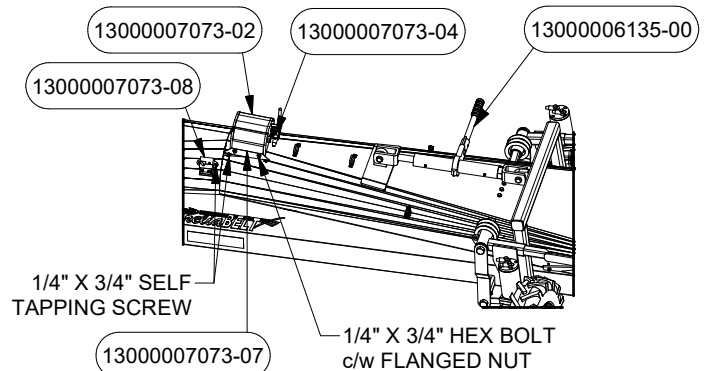


FIGURE 8

17. Apply some glue to the Grip Handle PN# 5805 then insert it to the Crank PN# 5507. Slide in the RH Sleeve PN# 6226, Crank Stop PN# 5982, and fasten the RH Sleeve and Crank Stop using Hex Bolt c/w Nylock Nut (See Detail F).

18. Insert the Cable PN# 6131 in to the hole of RH Sleeve and pull it out from the Crank. Slide in the Crank Assembly to the SW Body and attach LH Sleeve PN# 6227 using Hex Bolt c/w Nylock Nut as shown in Figure 9.

Insert the end of the Cable in to the hole of the LH Sleeve then thread both ends to the hole of the Pivots PN# 5665 and PN# 5667 and clamp it using Cable Clamps PN# 32014109 (See Detail F). Clamps and Fasteners can be found in Bolt Bag PN# 6655 and PN# 6027.

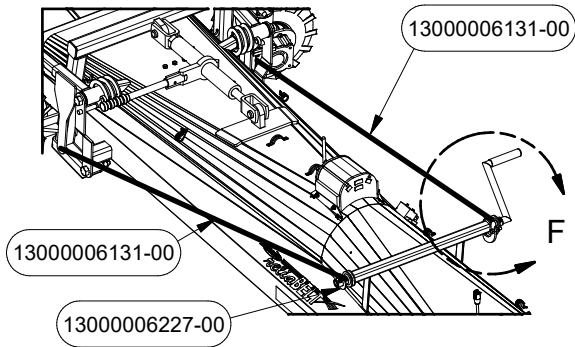
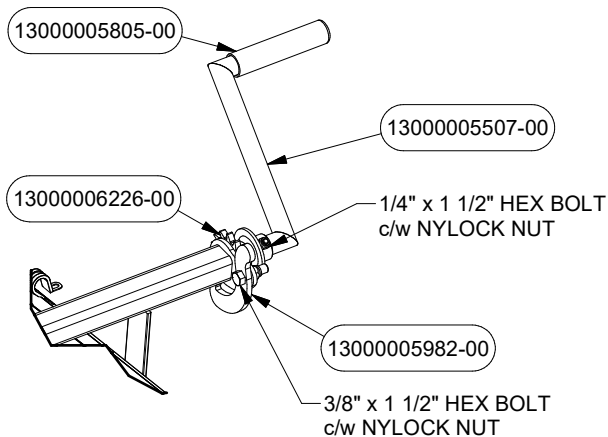


FIGURE 9



DETAIL F

19. Attach the Valve Mounts PN# 6617 to the SW Body using Hex Flanged Bolts found in Bolt Bag PN# 6782 as shown in Figure 10.

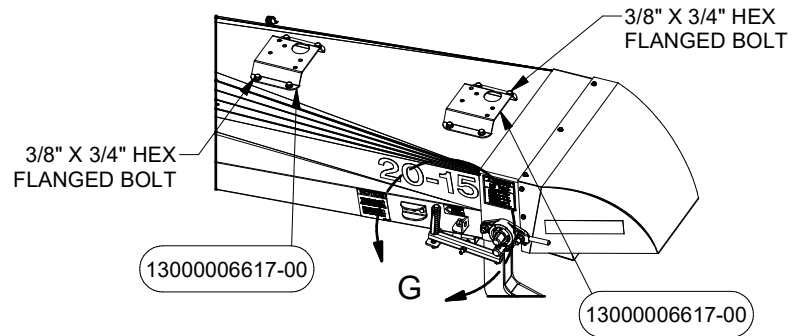
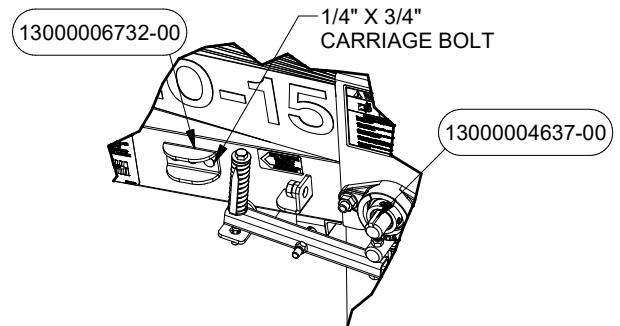


FIGURE 10

20. Attach the Bracket PN# 6732 in to the SW Body using Carriage Bolts from Bolt Bag PN# 6784 as shown in Detail G.



DETAIL G

21. Attach the Discharge PN# 6621 and the Deflector PN# 7056 to the SW Body using Self Tapping Screws from Bolt Bag PN# 6782 (see Figure 11).
22. Attach the Gooseneck PN# 6390 to the Ball Hitch PN# 6134 (see Figure 11).
23. Attach the Ball Hitch PN# 6134 in to the SW Body using Hex Bolt c/w Stover Nut. Fasteners can be found in Bolt Bag PN# 6783 (see Figure 11).

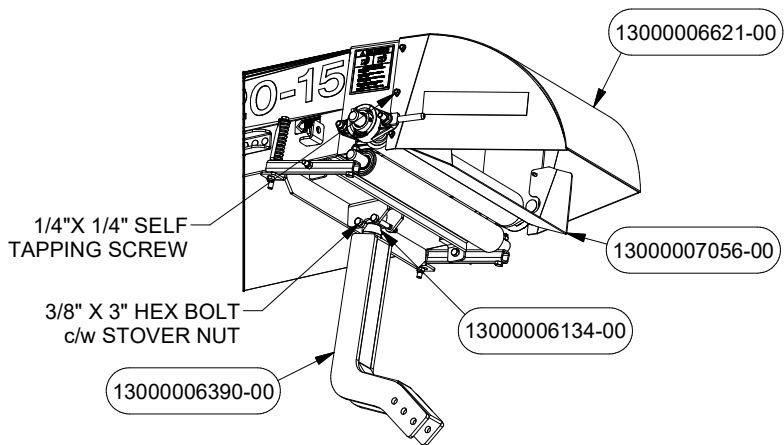


FIGURE 11

24. Attach the Hitch PN# 6677 the SW Body using Hex Bolt c/w Stover Nut. Fasteners can be found in Bolt Bag PN# 6794 (see Figure 12).

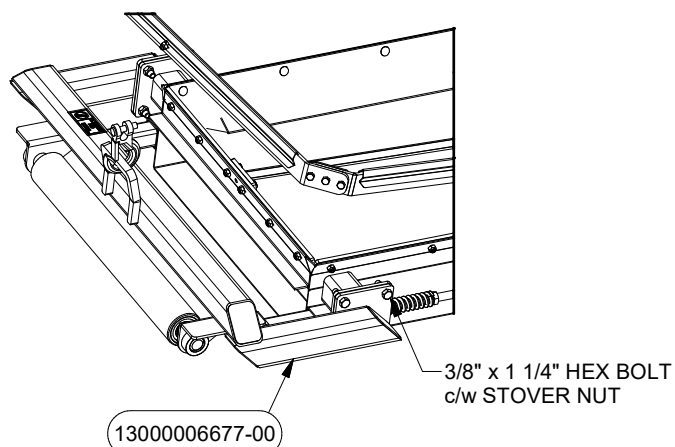


FIGURE 12

CONVEYOR w/ SWING FINISHED ASSEMBLY

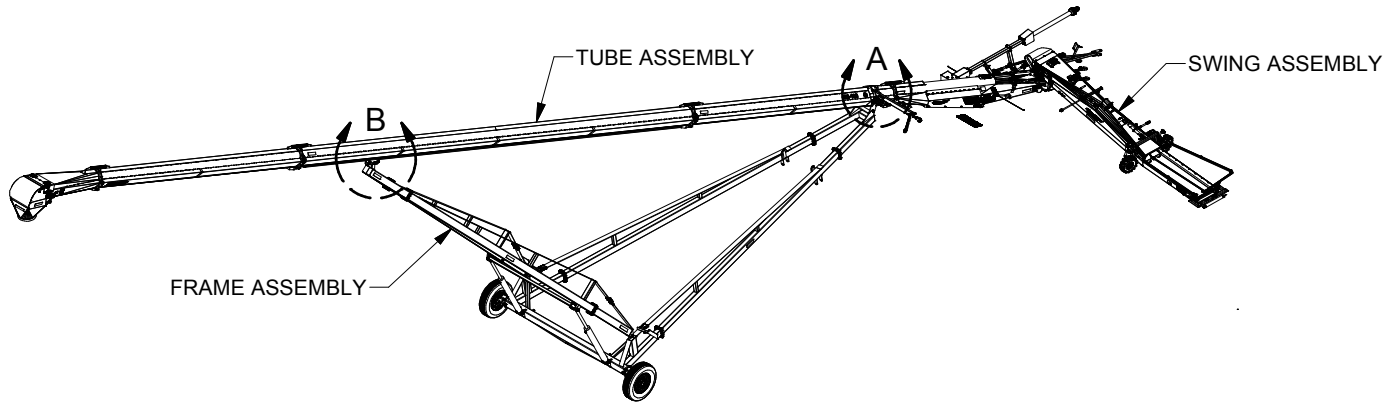


FIGURE 1

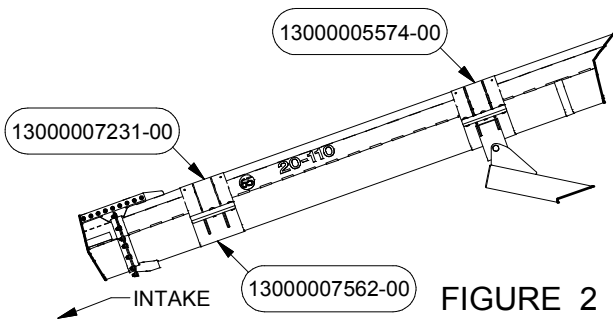


FIGURE 2

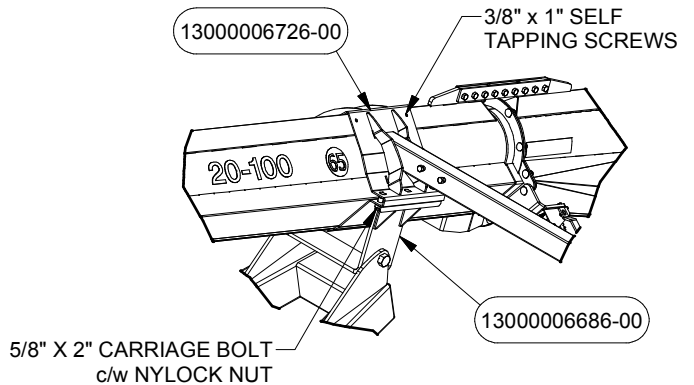
Conveyor Length	Swing Connection	Frame Connection	Swing-Frame Connection
20-80	-	-	18"
20-90	-	-	18"
20-100	-	-	18"
20-110	18"	7' 9"	-
20-120	18"	12' 0"	-

1. Using the table above for location, place the Tube Assembly on the Bottom Cradle PN# 6686 of the frame.

Attach either the top tube clamp PN# 5574 (found in the hydraulic kit) or Support Arm PN# 6726 (found in the swing kit) to clamp the Tube Assembly using Carriage Bolts Nylock Nuts. Secure the frame tube clamp in place using Self Tapping Screws. Fasteners can be found in Bolt Bag PN# 6698 or 6952 for 20-120, in Frame Hardware Box 7049, 6697 or 6962.

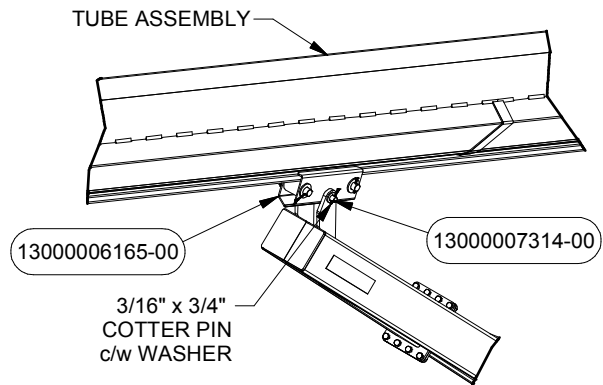
For 20-110 and 120 with a swing, fasten the Support Arm PN# 6726 to the bottom tube clamp PN# 7562. Fasteners can be found in Bolt Bag PN# 7565 in the Hydraulic Kit.

Details can be seen in Detail A.



DETAIL A

2. Attach the Trolley PN# 6165 to the A-Frame using Pin PN# 7314 c/w Washers and Cotter Pins. See Detail B for details.



DETAIL B

3. Attach the Conveyor 20-15 Gooseneck to the Jump Connection using Hex Bolt c/w Nylock Nut. Fasteners can be found in Bolt Bag PN# 6783. Parts and Bolt Bag can be found in Frame Hardware Box PN# 7251 (see Figure 3).

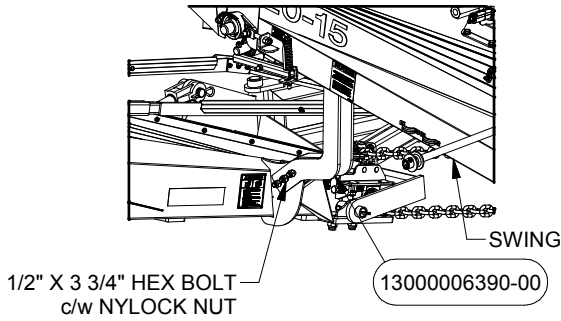


FIGURE 3

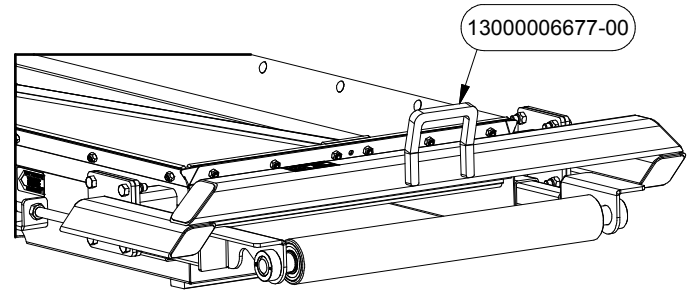


FIGURE 6

- Attach the Winch PN# 7074-12 and Winch Bracket PN# 7074-03 to the Support Arm. Using Hex Bolts c/w Nylock Nuts. Fasteners can be found in Bolt Bag PN# 6795. Parts and Bolt Bag can be found in Electric Winch Hardware Box PN# 7074 and Frame Hardware Box PN# 7251 (see Figure 4).

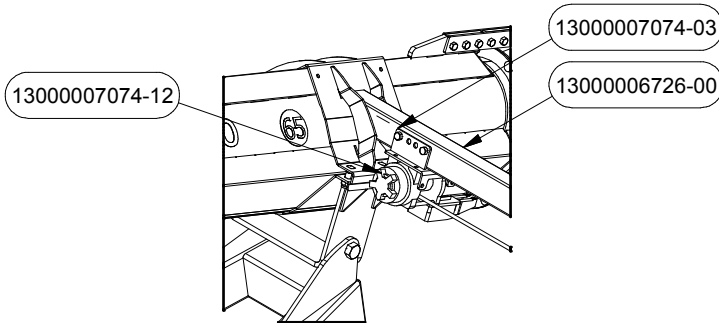


FIGURE 4

- Slide in the Winch Cable to the Pulley PN# 6776 (see Figure 5), then hook the Cable to the Hitch of the swing PN# 6677 (see Figure 6).

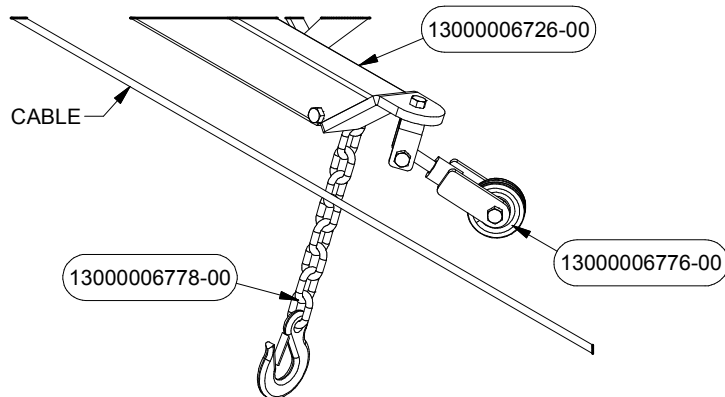


FIGURE 5

20-80/90/100/110/120 FRAME HYDRAULICS ASSEMBLY

1. for Steps 1 to 4 Bolt Bags and Parts can be found in Hydraulic Kit and Frame Hardware Box PN# 7049/ 6697/ 6697.

Attach the Hydraulic Cylinders (Item 3) to the Axle and LH and RH A-Frames (Items 1 & 2) using Pins PN# 7315 and PN# 7316 c/w Cotter Pins and Washers. Fasteners and Pins can be found in Bolt Bag PN# 7048/ 6700/ 6964. See Figure 1 and Details A and B for details.

NOTE: On 80-110 Conveyors, attach Cylinder Stops (Item 5) c/w Pull and Hair Pin. Cylinder Stops can be found in the Hydraulics Hardware Box in Bolt Bags PN# 7879 or 7880.

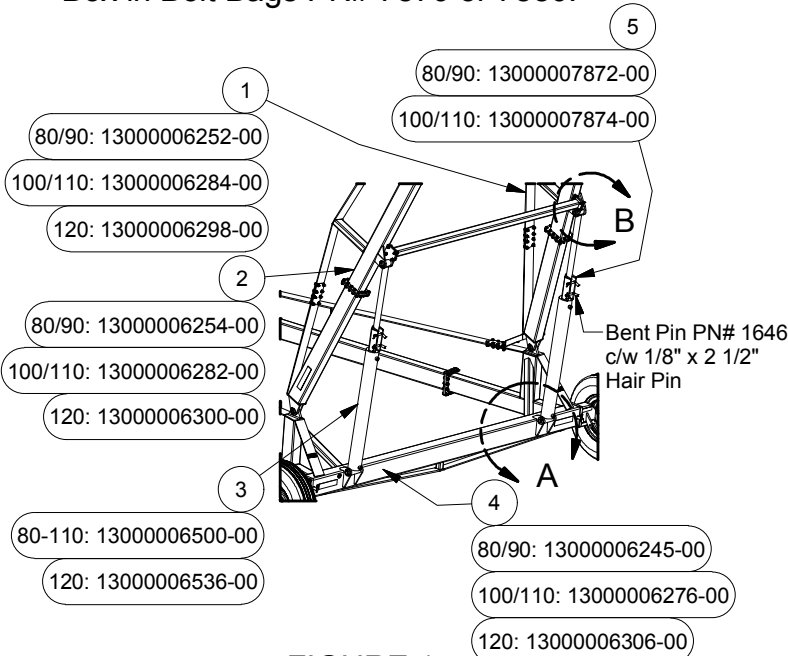
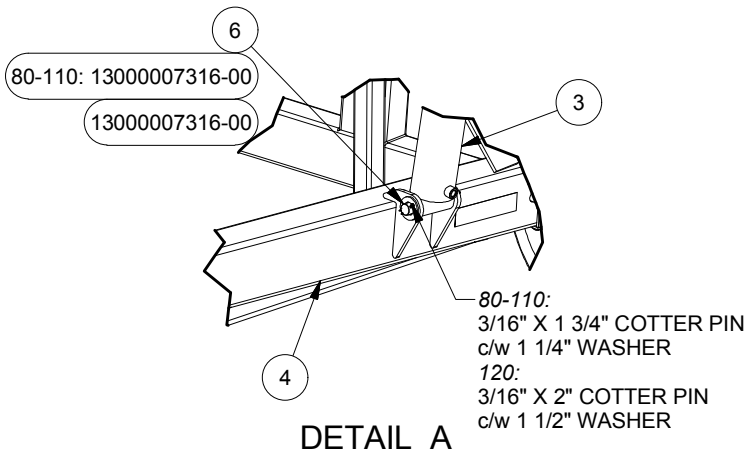
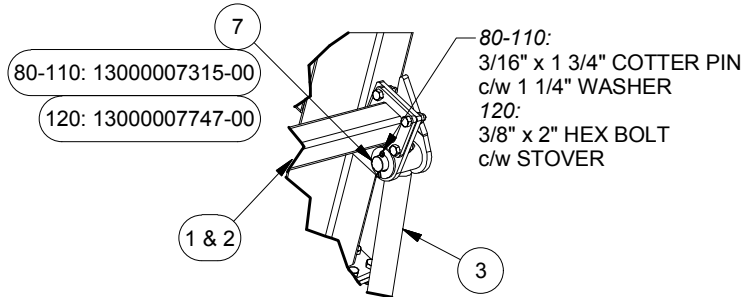


FIGURE 1



DETAIL A



DETAIL B

2. Attach the Check Valve PN# 5798 in to the Main Frame using Self Tapping Screws. Fasteners can be found in Bolt Bag PN# 7303/ 7304/ 7305 as shown in Figure 2.

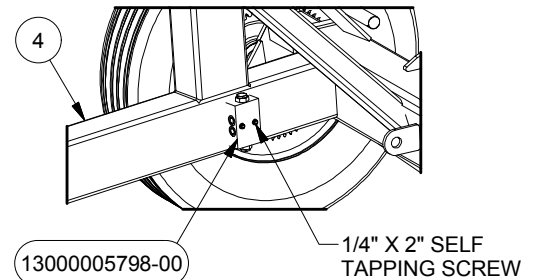


FIGURE 2

3. Attach the Hose Holder PN# 6172 in to the Tube Assembly using Self Tapping Screws. Fasteners can be found in Bolt Bag PN# 7303/ 7304/ 7305. See Figures 3 and 4 for locations.

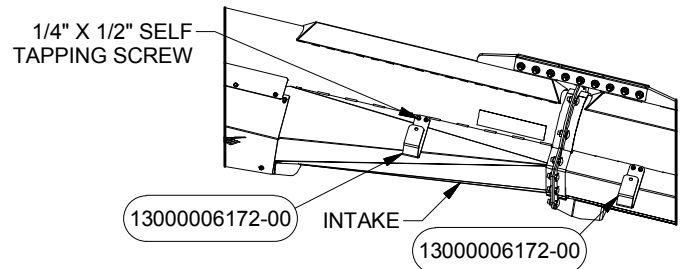


FIGURE 3

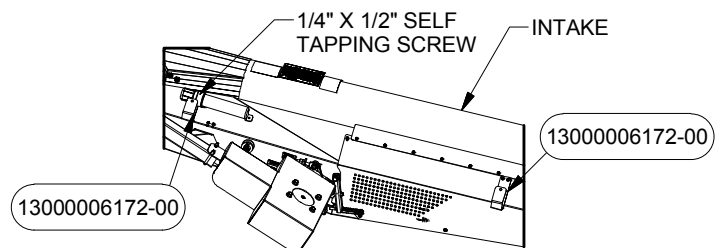


FIGURE 4

20-80/90/100/110/120 SWING HITCH AND SWING HYDRAULICS ASSEMBLY

NOTE:

- If Conveyor is an EPTO Style Conveyor, proceed with Step 4.
- If Conveyor has a Swing, proceed to Step 5.
- If Conveyor does not have a Swing but has a mover, proceed to Step 7

4. For steps 4 - 6 Bolt Bag and Parts can be found in Swing Hardware Box PN# 7251 unless otherwise specified.

For EPTO Conveyors, attach the Hydraulic Cylinders PN# 6404 and PN# 6399 to the Swing Arm PN# 6170 and Hitch Base PN# 6168. Use the Pin PN# 6177 and Hex Bolt c/w Nut to mount the the Hydraulic Cylinder PN# 6399.

Fasteners can be found in Bolt Bag PN# 6683 in the EPTO Hardware Box PN# 6683. Cylinders can be found in the SW 20-15 Hydraulic Kit PN# 7555 or in EPTO Hydraulic Kit if conveyor does not have a Swing.

See details in Figure 5.

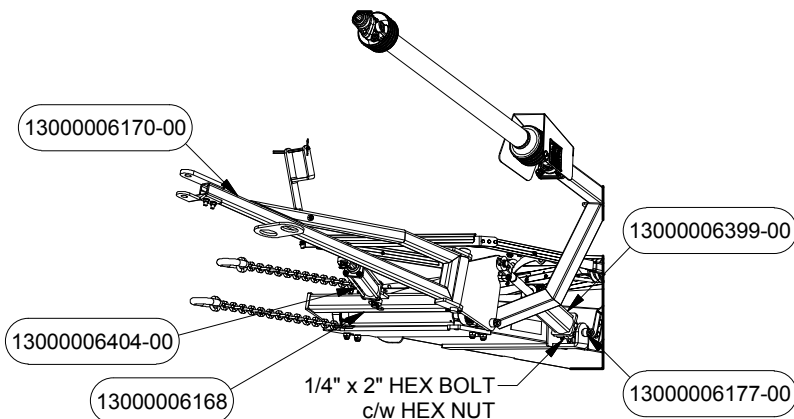


FIGURE 5

5. For steps 5 - 6 Bolt Bag and Parts can be found in Swing Hardware Box PN# 7251.

Attach the Valves PN# 7583 and PN# 6140 to the Valve Mounts using Hex Bolts c/w Stover Nuts that can be found in Bolt Bag PN# 7310. Valves can be found in SW 20-15 Hydraulic Kit PN# 7555.

See Figure 6 for details.

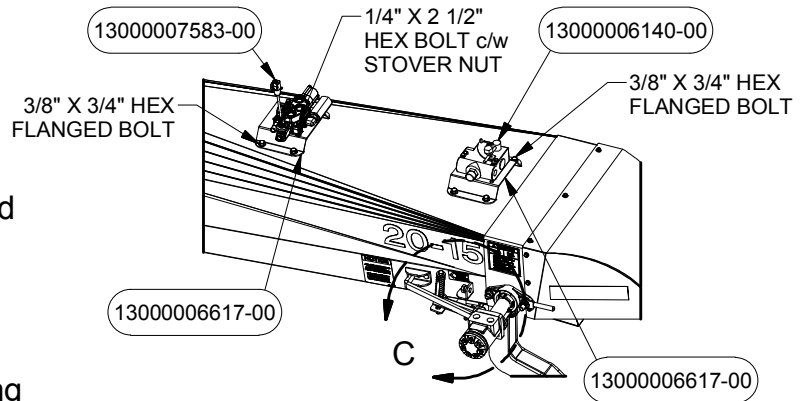


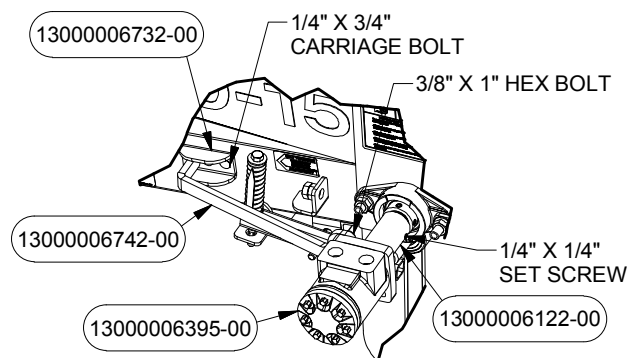
FIGURE 6

6. Attach the Brackets PN# 6732 in to the SW Body using Carriage Bolts.

Mount the Motor PN# 6395 to the Motor Mount PN# 6742 and connect the Motor to the Roller Shaft PN# 6127 using the Woodruff Key and Coupler PN# 6122; lock it with Set Screws.

Motor can be found in SW 20-15 Hydraulic Kit PN# 7555. Fasteners can be found in Bolt Bag PN# 6784.

See Detail C for details.



DETAIL C

20-80/90/100/110 MOVER HYDRAULICS ASSEMBLY

7. Step 7 applies to the Deutz Engine only. Hydraulic Pump PN# 6891 to the Engine using Metric Hex Bolts provided in Bolt Bag PN# 6955 in the Deutz Hardware Box PN# 6918. The Hydraulic Pump can be found in the Hydraulic Kit. For details, see Figure 7.

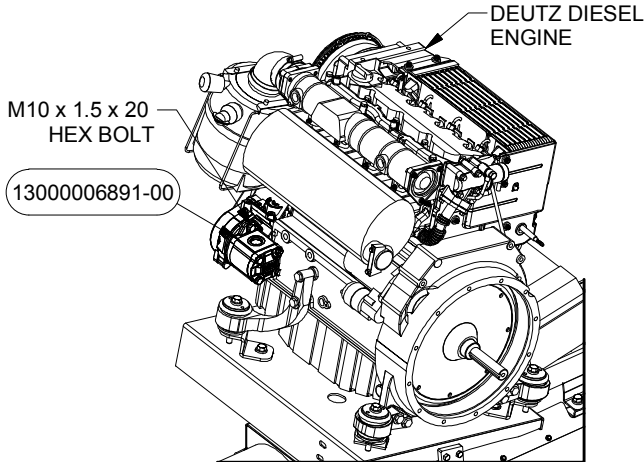


FIGURE 7

9. Mount the assembly to the Bell Housing for the Isuzu as shown in Figure 9. Mount the assembly to the Engine and Motor Mount for the gas as shown in Figure 10. Fasteners are found in Bolt Bag PN# 6054.

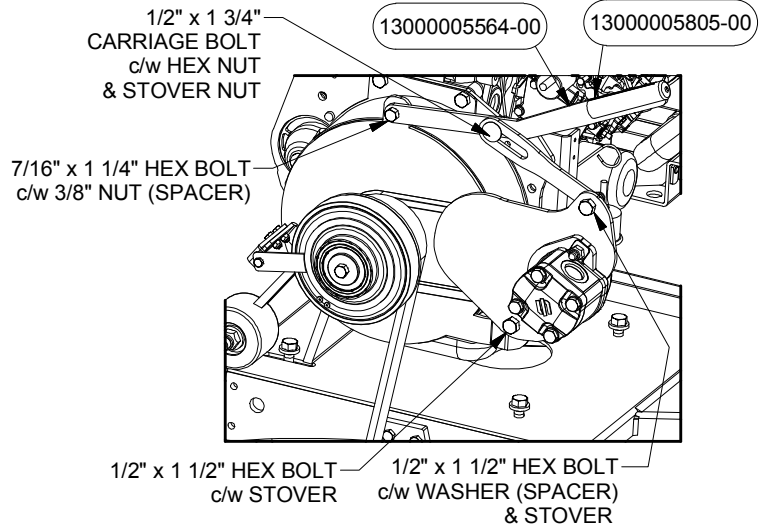


FIGURE 9

8. NOTE: Steps 8-9 apply to Gas and Isuzu Engines only.

On the Isuzu Diesel and Gas Engines, attach the Hydraulic Pump PN# 5901, Belt Sheaves PN# 6032 and 5530, Bushings PN# 5532 and 6067, Pump Adjustor PN# 5563, Handle PN# 5564, Handle Grip PN# 5805 and V-Belt PN# 5905 for Gas Engines and PN# 7927 for Isuzu Diesel Engines. Use the Fasteners from Bolt Bag PN# 6054 in Mover Hardware Box PN# 7588 as shown in Figure 8.

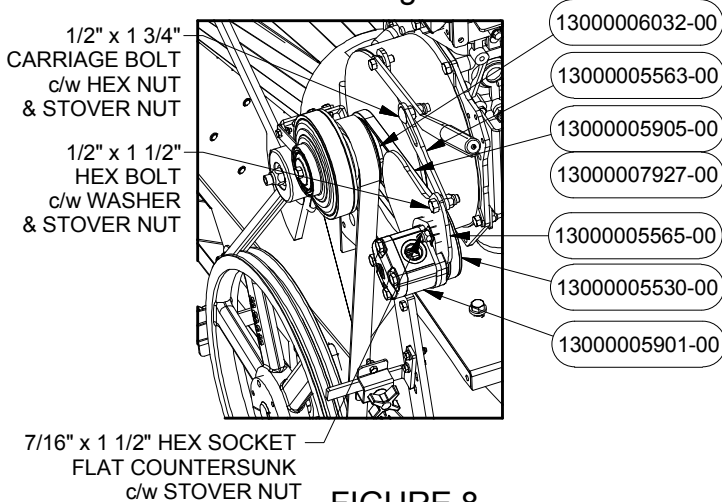


FIGURE 8

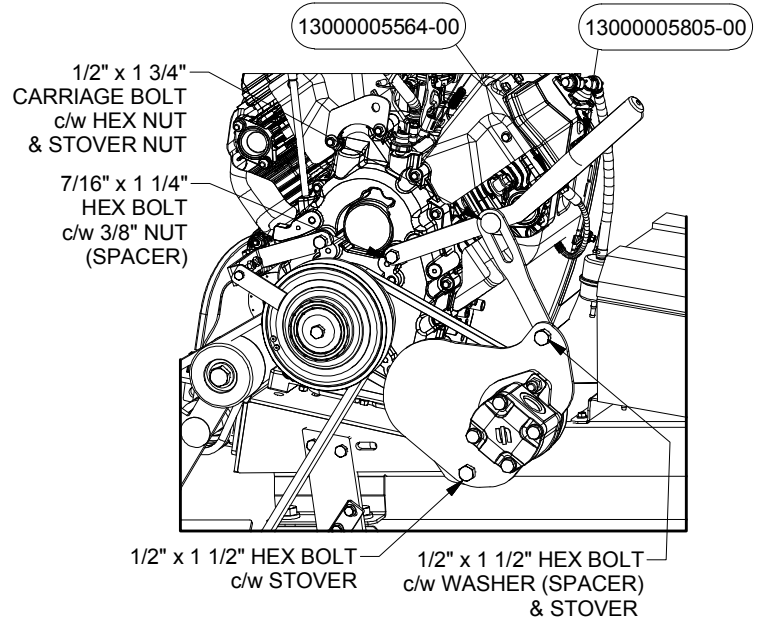


FIGURE 10

HYDRAULIC SETUP

10. For Steps 10-11, Motors can be found in the Hydraulic Kit, and the remainder of the Parts and Bolt Bags can be found in the Mover Hardware Box PN# 6844/ 7588. Assemble the Hydraulic Motor PN# 5580, Mount Plates PN# 5808 and 5499, Sprockets PN# 42182 and Spacers PN# 6124 using Hex Bolts, Washers and Stovers. Attach the assembly to the Axle Frame using 5/8" Hex Bolt c/w Stover Nut (see Figures 10 and 11).

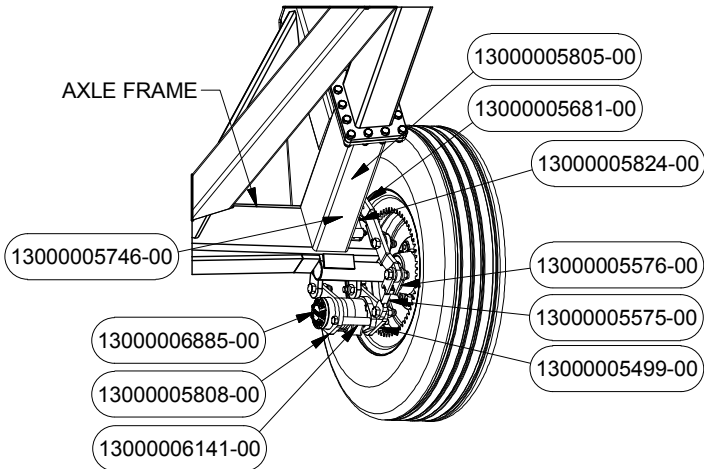


FIGURE 10

11. Attach the Linkage PN# 5576 and PN# 5575 to the Mount Plate PN# 5499 using Hex Bolt c/w Stover Nut. Attach the Handle PN# 5681 to the Linkage and mount it to the Axle Frame using Hex Bolts c/w Stover Nut. Place the Handle Grip PN# 5805 to the Handle (see Figure 10).

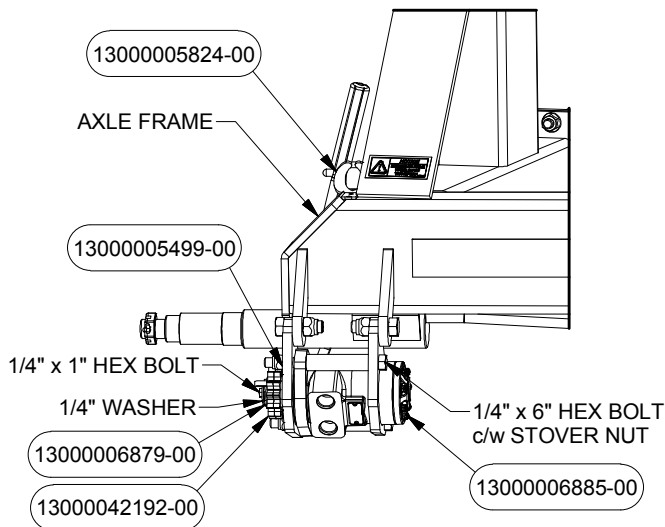


FIGURE 11

NOTE: TIRE AND HUB NOT SHOWN FOR CLARITY

12. Attach Rubber Latch PN# 5824 to the Axle Frame using Self Tapping Screws. Also attach the Rubber Bumpers PN# 5746 to the Axle Frames using #10 X 3/8" Self Tapping Screws (see Figure 10 and 11).
13. Assemble the Oil Filter Parts PN# 42174, 5804 and 5907. Attach Filter Assembly to the Bracket PN# 6687 using Hex Flange Bolts found in Bolt Bag PN# 6929. See Figure 12 for details.

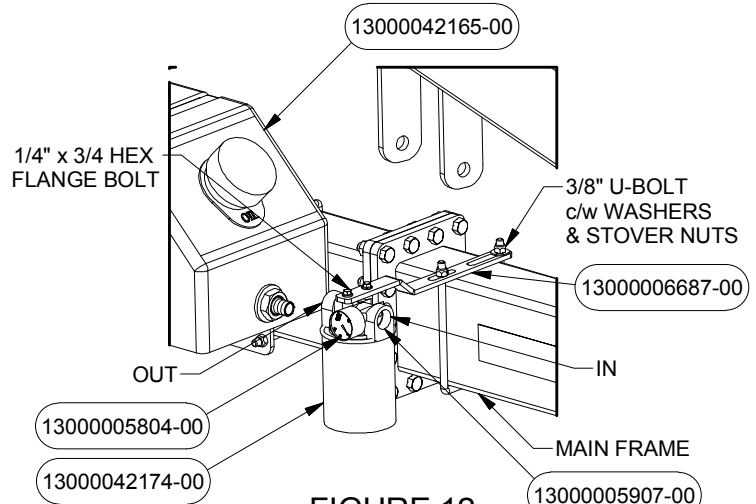


FIGURE 12

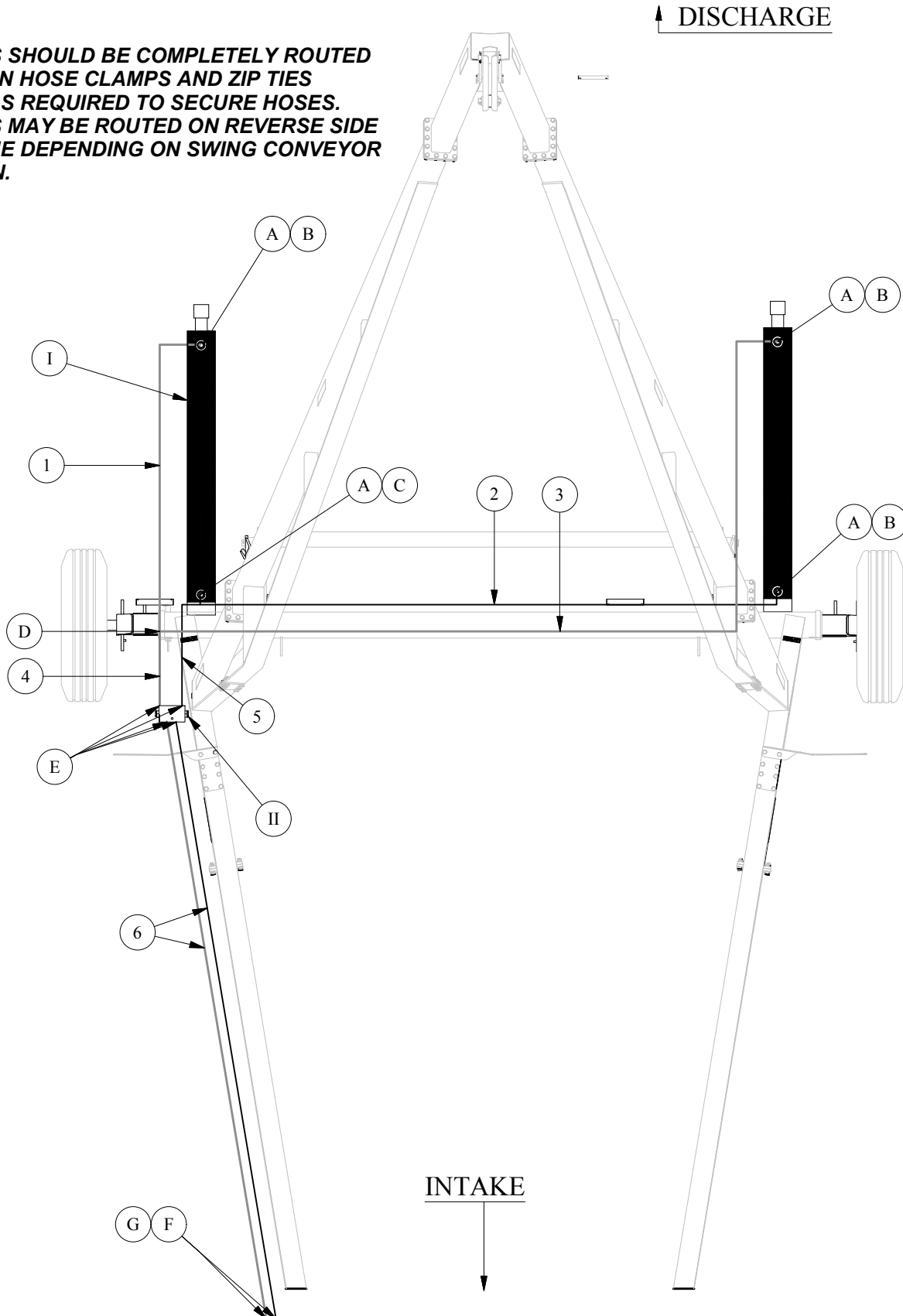
14. Schematics for Hoses, Fittings and Clamps, are found on Page 63. Simply connect and match the hose part numbers and with the fitting part numbers as shown in the Figures. Attach clamps to the frame and tube once all the hoses are in place to secure them to the frame. Use Zip Ties in some areas as necessary to hold the hoses together.

Hoses, Fittings, and hose clamps can be found in the Hydraulic Kits.

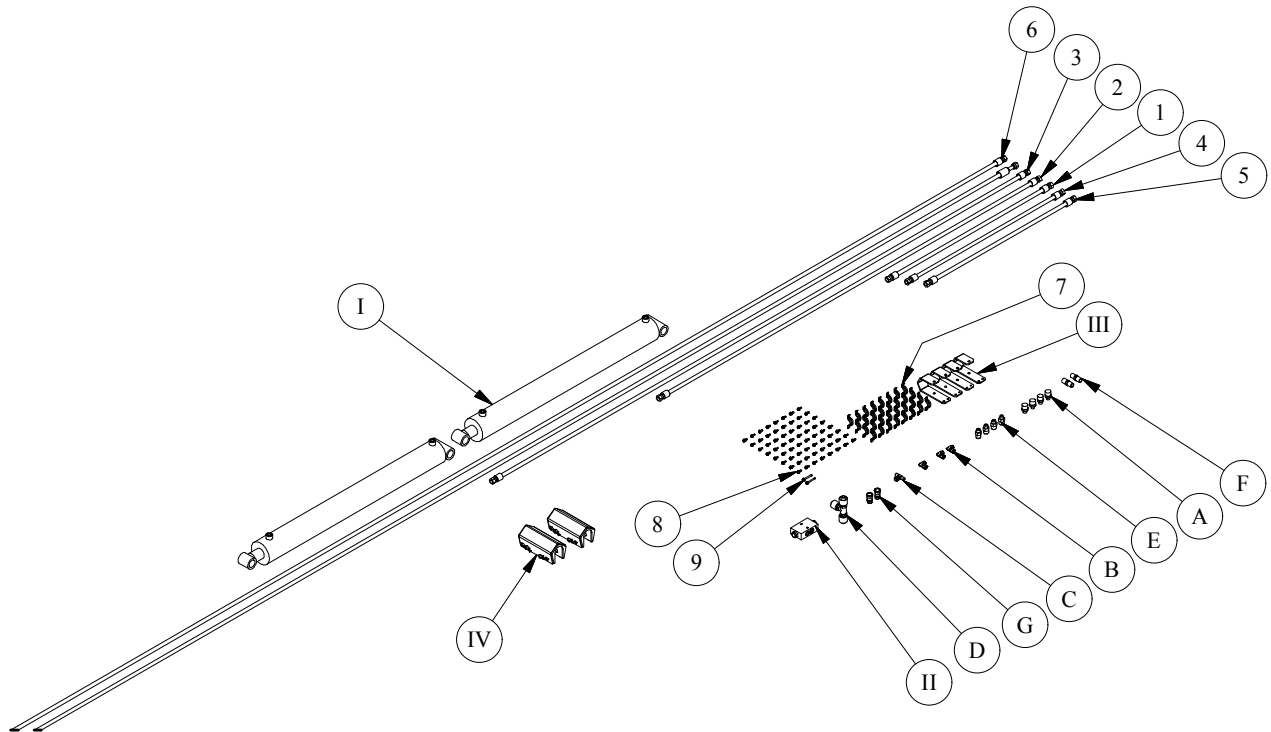
HYDRAULIC HOSE AND FITTING LAYOUT - 80-120 EPTO/ELECTRIC

NOTE:

1. HOSES SHOULD BE COMPLETELY ROUTED AND THEN HOSE CLAMPS AND ZIP TIES ADDED AS REQUIRED TO SECURE HOSES.
2. HOSES MAY BE ROUTED ON REVERSE SIDE OF FRAME DEPENDING ON SWING CONVEYOR POSITION.



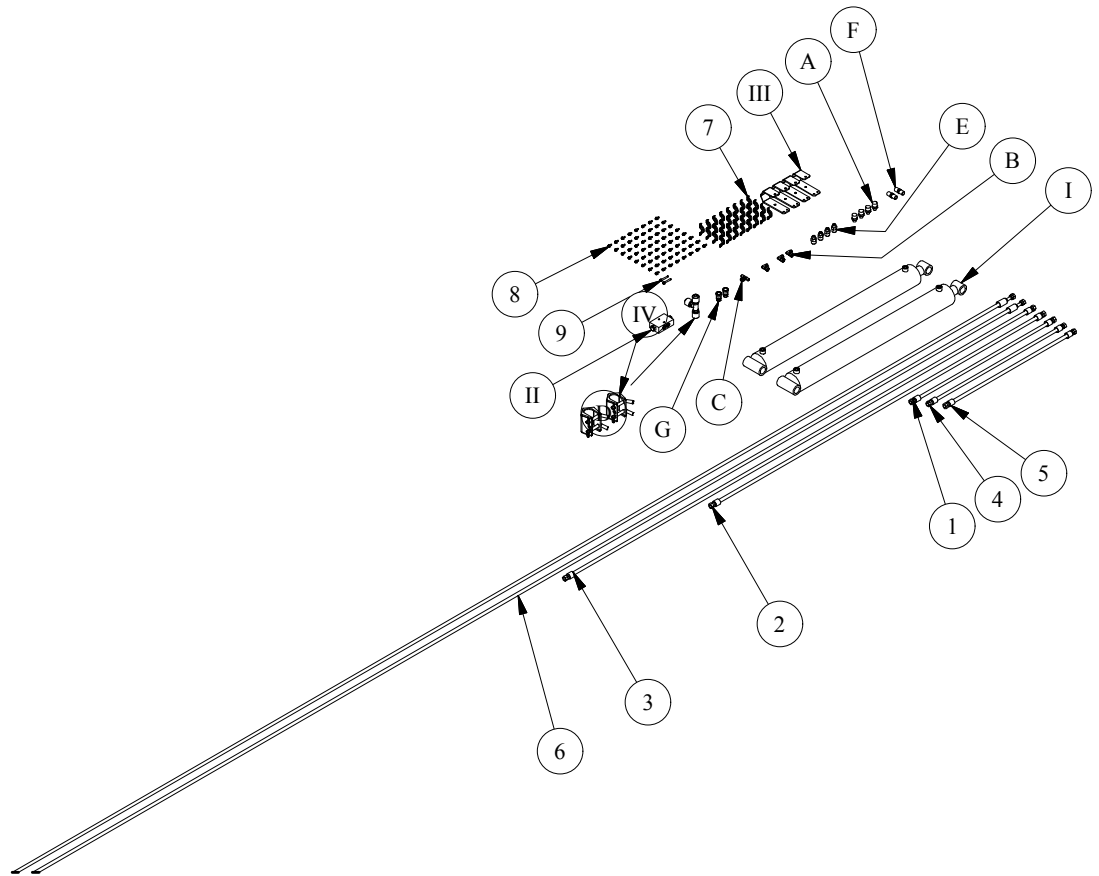
HYDRAULIC HOSE AND FITTING KIT - 80-90 EPTO/ELECTRIC



PARTS LIST OF PN# 13000006539-00

REF #	PART #	QUANTITY	DESCRIPTION
1	13000006355-00	1	Hydraulic Hose - 3/8" x 40" c/w Fittings
2	13000006356-00	1	Hydraulic Hose - 3/8" x 96" c/w Fittings
3	13000006357-00	1	Hydraulic Hose-3/8" x 136" c/w Fittings
4	13000006359-00	1	Hydraulic Hose - 3/8" x 38" c/w Fittings
5	13000006358-00	1	Hydraulic Hose - 3/8" x 36" c/w Fittings
6	13000006538-00	2	Hydraulic Hose-3/8" x 632" c/w Fittings
7	13000006022-00	32	Clamp - Neoprene 1/2" x 3/4"
8	13070604010	64	SCREW, FLANGED, SELF-TAPPING 1/4-20 UNC X 0.625 Steel, Mild
9	13070604032	2	Self Threading Screw 1/4 x 2
A	13000006089-00	4	Fitting - Hydraulic (6MJ-8MB) REST.
B	1300042583-00	3	Hyd Adaptor 06 MJ to 06 FJ (90 Degree Bend)
C	13000006490-00	1	Fittings-Hydraulic(6MJ-6MJ-6FJX TEE)
D	13000006093-00	1	Fitting - Hydraulic (4MJ-6MB-90)
E	13000006087-00	4	Fitting - Hydraulic (6MJ - 6MB)
F	13000042210-00	2	8MP-8MP - Fitting
G	13000006481-00	2	Fittings-Hydraulic (Quick Cup 8FP)
I	13000006500-00	2	Cylinder - HYS 40MAL40-10
II	13000005798-00	1	Valve- Dual Piloted Check
III	13000006172-00	4	Holder - Hydraulic Hose - Plated
IV	13000007879-00	1	Bolt Bag - Cylinder Stops - 20-80/90

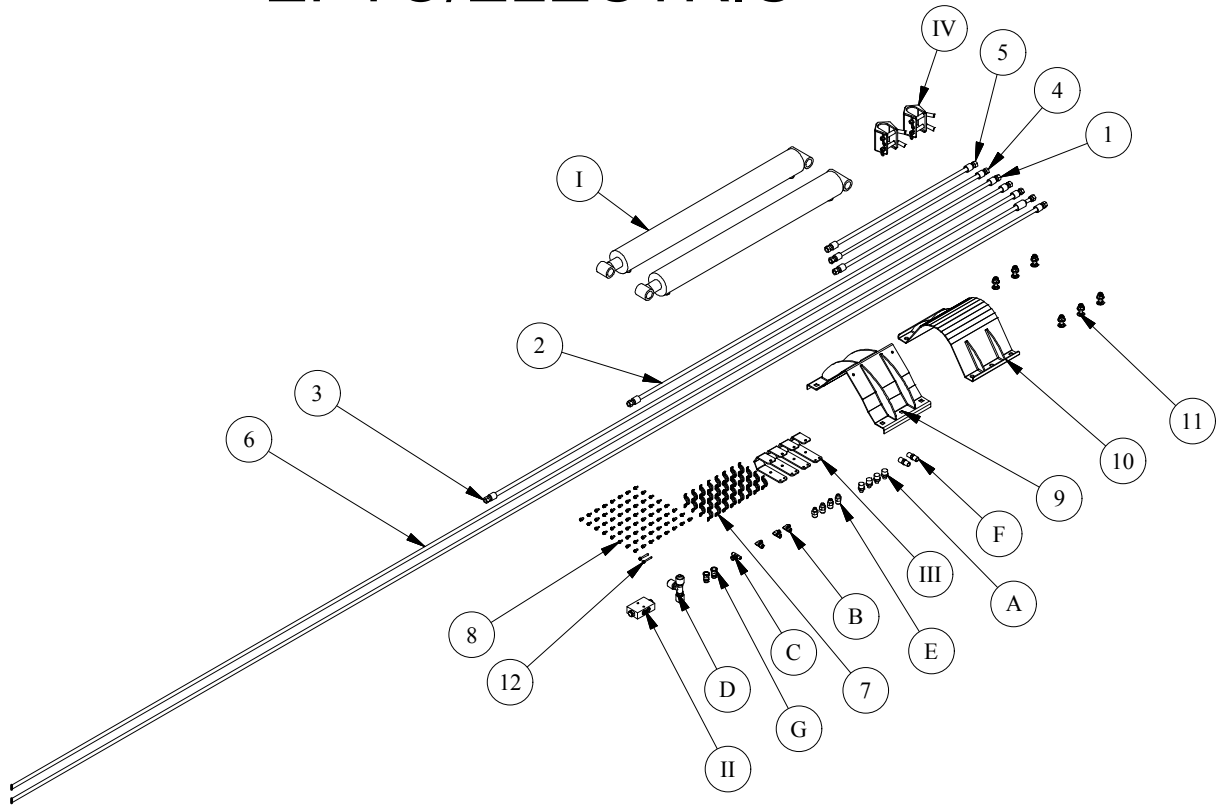
HYDRAULIC HOSE AND FITTING KIT - 100 EPTO/ELECTRIC



PARTS LIST OF PN# 1300006492-00

REF #	PART #	QUANTITY	DESCRIPTION
1	13000006355-00	1	Hydraulic Hose - 3/8" x 40" c/w Fittings
2	13000006356-00	1	Hydraulic Hose - 3/8" x 96" c/w Fittings
3	13000006357-00	1	Hydraulic Hose-3/8" x 136" c/w Fittings
4	13000006359-00	1	Hydraulic Hose - 3/8" x 38" c/w Fittings
5	13000006358-00	1	Hydraulic Hose - 3/8" x 36" c/w Fittings
6	13000006360-00	2	Hydraulic Hose-3/8" x 664" c/w Fittings
7	13000006022-00	32	Clamp - Neoprene 1/2" x 3/4"
8	13070604010	64	SCREW, FLANGED, SELF-TAPPING 1/4-20 UNC X 0.625 Steel, Mild
9	13070604032	2	Self Threading Screw 1/4 x 2
A	13000006089-00	4	Fitting - Hydraulic (6MJ-8MB) REST.
B	1300042583	3	Hyd Adaptor 06 MJ to 06 FJ (90 Degree Bend)
C	13000006490-00	1	Fittings-Hydraulic(6MJ-6MJ-6FJX TEE)
D	13000006093-00	1	Fitting - Hydraulic (4MJ-6MB-90)
E	13000006087-00	4	Fitting - Hydraulic (6MJ - 6MB)
F	13000042210-00	2	8MP-8MP - Fitting
G	13000006481-00	2	Fittings-Hydraulic (Quick Cup 8FP)
I	13000006500-00	2	Cylinder - HYS 40MAL40-10
II	13000005798-00	1	Valve- Dual Piloted Check
III	13000006172-00	4	Holder - Hydraulic Hose - Plated
IV	13000007880-00	1	Bolt Bag - Cylinder Stops - 20-100/110

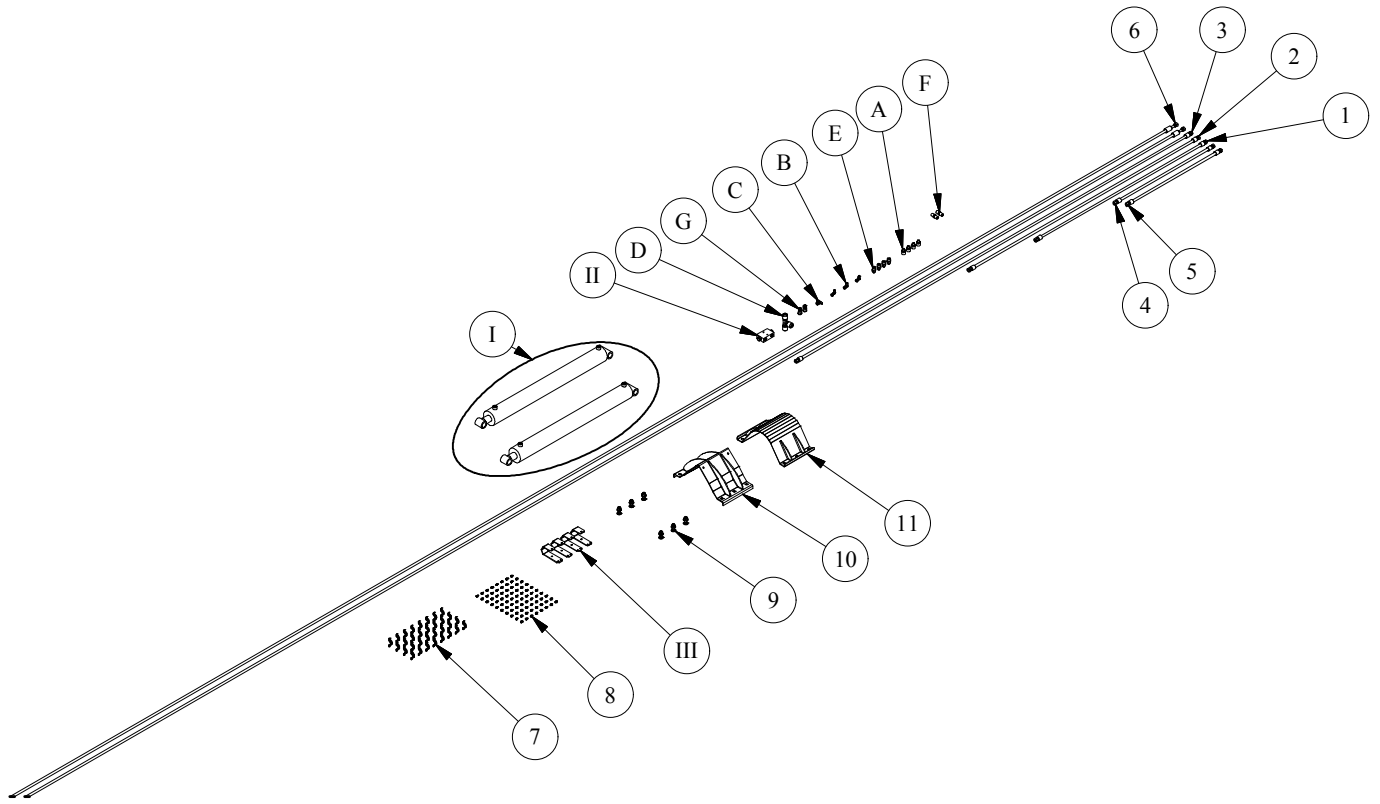
HYDRAULIC HOSE AND FITTING KIT - 110 EPTO/ELECTRIC



PARTS LIST OF PN# 1300006503-00

REF #	PART #	QUANTITY	DESCRIPTION
1	13000006355-00	1	Hydraulic Hose - 3/8" x 40" c/w Fittings
2	13000006356-00	1	Hydraulic Hose - 3/8" x 96" c/w Fittings
3	13000006357-00	1	Hydraulic Hose-3/8" x 136" c/w Fittings
4	13000006359-00	1	Hydraulic Hose - 3/8" x 38" c/w Fittings
5	13000006358-00	1	Hydraulic Hose - 3/8" x 36" c/w Fittings
6	13000006502-00	2	Hydraulic Hose-3/8" x 769" c/w Fittings
7	13000006022-00	32	Clamp - Neoprene 1/2" x 3/4"
8	13070604010	64	SCREW, FLANGED, SELF-TAPPING 1/4-20 UNC X 0.625 Steel, Mild
9	13000005574-00	1	CLAMP - TOP HALF - TUBE - GREY
10	13000007562-00	1	Clamp Bottom - Half Tube - Grey
11	13000007565-00	1	Bolt Bag - Tube Clamp
12	13070604032	2	Self Threading Screw 1/4 x 2
A	13000006089-00	4	Fitting - Hydraulic (6MJ-8MB) REST.
B	1300042583	3	Hyd Adaptor 06 MJ to 06 FJ (90 Degree Bend)
C	13000006490-00	1	Fittings-Hydraulic(6MJ-6MJ-6FJX TEE)
D	13000006093-00	1	Fitting - Hydraulic (4MJ-6MB-90)
E	13000006087-00	4	Fitting - Hydraulic (6MJ - 6MB)
F	13000042210-00	2	8MP-8MP - Fitting
G	13000006481-00	2	Fittings-Hydraulic (Quick Cup 8FP)
I	13000006500-00	2	Cylinder - HYS 40MAL40-10
II	13000005798-00	1	Valve- Dual Piloted Check
III	13000006172-00	4	Holder - Hydraulic Hose - Plated
IV	13000007880-00	1	Bolt Bag - Cylinder Stops - 20-100/110

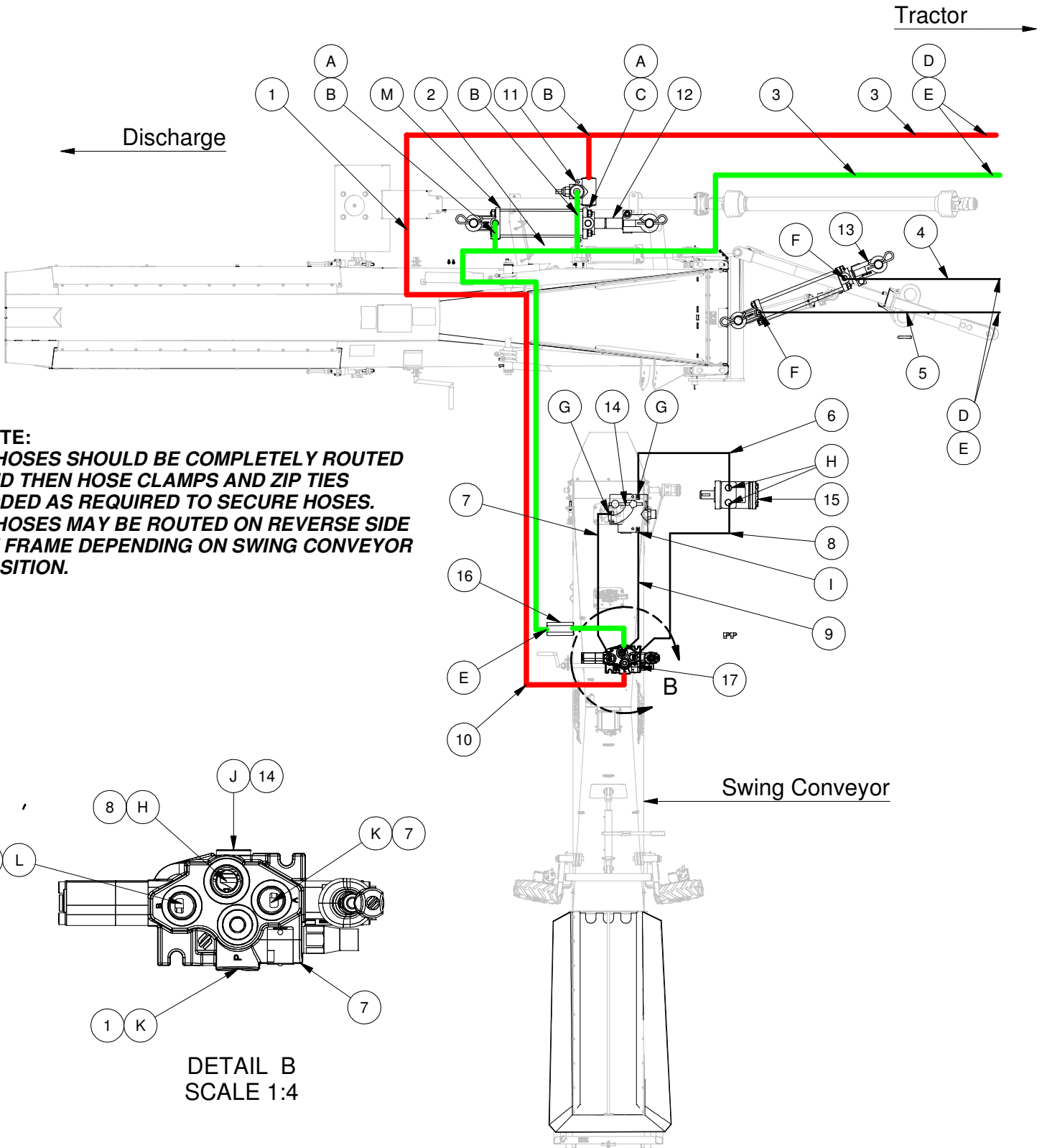
HYDRAULIC HOSE AND FITTING KIT - 120 EPTO/ELECTRIC



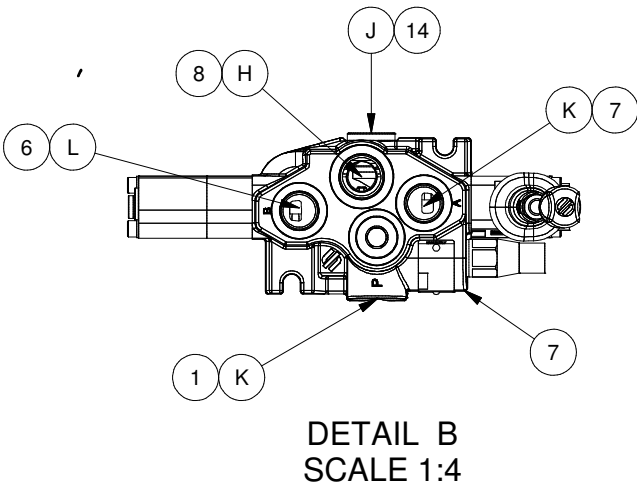
NOTE: PART I TOP LEVEL PART

PARTS LIST OF PN# 13000006535-00			
REF #	PART #	QUANTITY	DESCRIPTION
A	13000006089-00	4	Fitting - Hydraulic (6MJ-8MB) REST.
B	13000042583-00	3	Hydraulic Fitting Elbow - 6MJ-6FJX90
C	13000006490-00	1	Fittings-Hydraulic(6MJ-6MJ-6FJX TEE)
D	13000006093-00	1	Fitting - Hydraulic (4MJ-6MB-90)
E	13000006087-00	4	Fitting - Hydraulic (6MJ - 6MB)
G	13000006481-00	2	Fittings-Hydraulic (Quick Cup 8FP)
F	13000042210-00	2	8MP-8MP - Fitting
1	13000006531-00	1	Hydraulic Hose-3/8" x 67" c/w Fittings
2	13000006530-00	1	Hydraulic Hose-3/8" x 91" c/w Fittings
3	13000006510-00	1	Hydraulic Hose-3/8" x 158" c/w Fittings
4	13000006359-00	1	Hydraulic Hose - 3/8" x 38" c/w Fittings
5	13000006358-00	1	Hydraulic Hose - 3/8" x 36" c/w Fittings
6	13000006534-00	2	Hydraulic Hose-3/8" x 865" c/w Fittings
7	13000006022-00	32	Clamp - Neoprene 1/2" x 3/4"
8	13000007305-00	1	Bolt Bag - Hyd Kit - EPTO120
9	13000007565-00	1	Bolt Bag - Tube Clamp
10	13000005574-00	1	CLAMP - TOP HALF - TUBE - GREY
11	13000007562-00	1	Clamp Bottom - Half Tube - Grey
I	13000006500-00	2	Cylinder - HYS 40MAL40-10
II	13000005798-00	1	Valve- Dual Piloted Check
III	13000006172-00	4	Holder - Hydraulic Hose - Plated

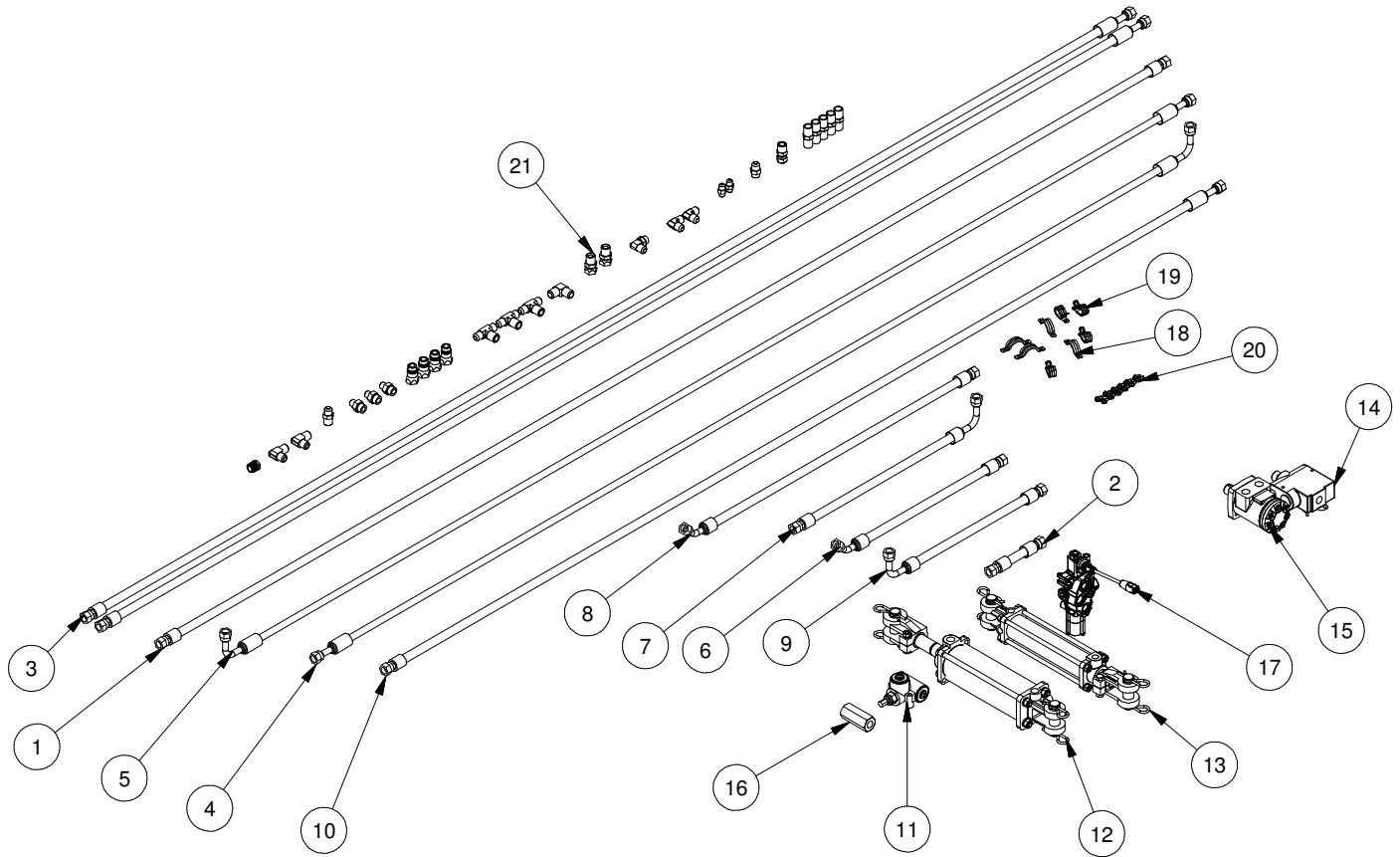
HYDRAULIC HOSE AND FITTING LAYOUT - SWING CONVEYOR FOR EPTO



NOTE:
 1. HOSES SHOULD BE COMPLETELY ROUTED AND THEN HOSE CLAMPS AND ZIP TIES ADDED AS REQUIRED TO SECURE HOSES.
 2. HOSES MAY BE ROUTED ON REVERSE SIDE OF FRAME DEPENDING ON SWING CONVEYOR POSITION.



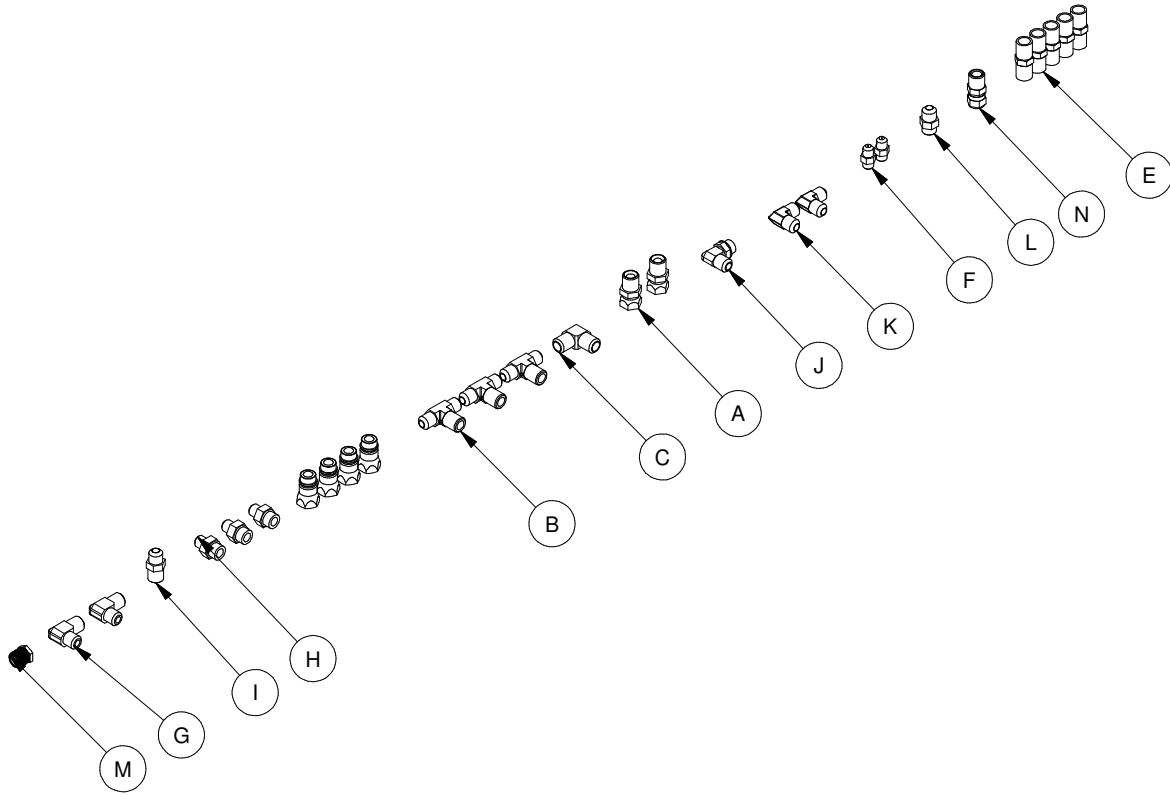
HYDRAULIC HOSE AND FITTING KIT - SWING CONVEYOR FOR EPTO



PARTS LIST OF PN# 13000007555

REF #	PART #	QUANTITY	DESCRIPTION
1	13000006470-00	1	Hydraulic Hose-1/2" x 132" c/w Fittings
2	13000006474-00	1	Hydraulic Hose-1/2" x 4.75" c/w Fittings
3	13000006475-00	2	Hydraulic Hose-1/2" x 136" c/w Fittings
4	13000006472-00	1	Hydraulic Hose-3/8" x 112" c/w Fittings
5	13000006473-00	1	Hydraulic Hose-3/8" x 124" c/w Fittings
6	13000006465-00	1	Hydraulic Hose-1/2" x 18.5" c/w Fittings
7	13000006495-00	1	Hydraulic Hose - 1/2" x 21" c/w Fittings
8	13000006466-00	1	Hydraulic Hose 1/2" x 35" c/w Fittings
9	13000006464-00	1	Hydraulic Hose - 1/2" x 17" c/w Fittings
10	13000006471-00	1	Hydraulic Hose-1/2" x 108" c/w Fittings
11	13000006541-00	1	Hydraulic - Flow Control Valve
12	13000006399-00	1	Hydraulic Cylinder HYS 30AGU8 ASAE
13	13000006404-00	1	Hydraulic Cylinder HYS 20AGU8
14	13000006140-00	1	Flow Control - FCR51-1/2
15	13000006395-00	1	Motor - Hyd 2.8 Disp 4 Bolt
16	13000006540-00	1	Check Valve - In-Line
17	13000007583-00	1	Valve - 1 Spool
18	13000006021-00	4	Clamp - Neoprene 1/2" x 5/8"
19	13000006023-00	4	Clamp - Neoprene 1/2" x 3/8" - Light Kit
20	13000007687-00	1	Bolt Bag - Swing Hose Clamps
21	13000007553-00	1	Bag - Fittings - Swing Hydraulic

HYDRAULIC FITTING KIT - SWING CONVEYOR EPTO



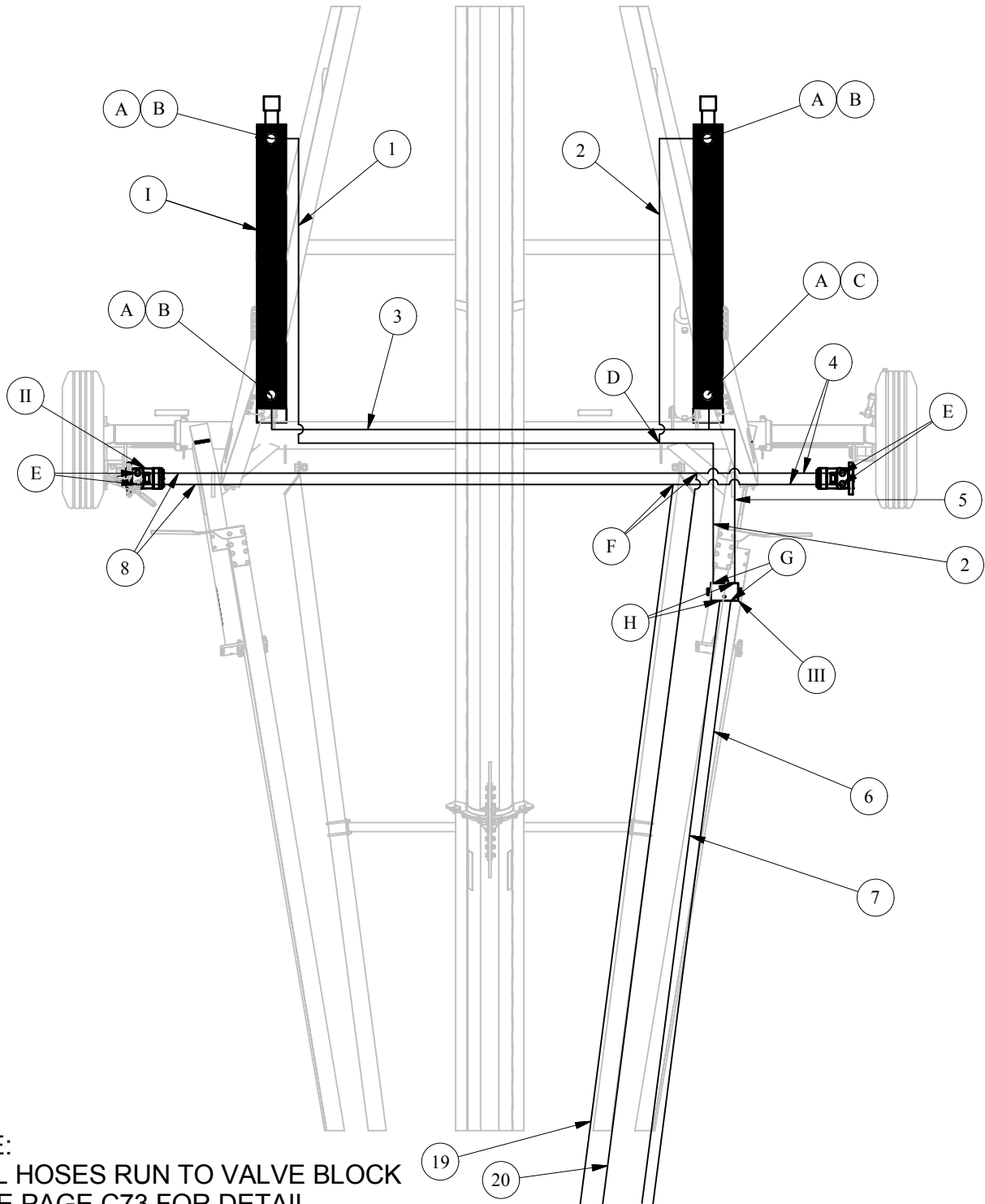
PARTS LIST OF PN# 13000007553-00

REF #	PART #	QUANTITY	DESCRIPTION
A	13000006488-00	2	Fittings-Hydraulic (8MP-8FPX) 1/32 RESTRICTOR
B	13000006485-00	3	Fittings-Hydraulic (8MP-8MJ-8MJ)
C	13000006479-00	1	Fitting - Hydraulic (8MP-8MP-90)
E	13000042210-00	5	8MP-8MP - Fitting
F	13000007566-00	2	Fittings-Hydraulic (6MP-6MJ 1/32in RES)
G	13000006480-00	2	Fitting - Hydraulic (8MP-8MJ-90)
H	13000042150-00	3	Fitting - Hydraulic (10MB - 8MJ)
I	13000006477-00	1	Fittings Hydraulic (8MP - 8MJ)
J	13000007685-00	1	Fitting - Hydraulic (10MB-8MP-90)
K	13000042140-00	2	Fitting - Hydraulic (8MB-8MJ-90)
L	13000006496-00	1	Fittings-Hydraulic (8MB-8MJ)
M	13000007693-00	1	Plug - 08MP
N	13000006497-00	1	Fittings-Hydraulic (8MP-8FJX)
18	13000003113-00	4	Male Pioneer Tip

HYDRAULIC HOSE AND FITTING LAYOUT - 80-110 GAS/DIESEL WITH MOVER

NOTE:

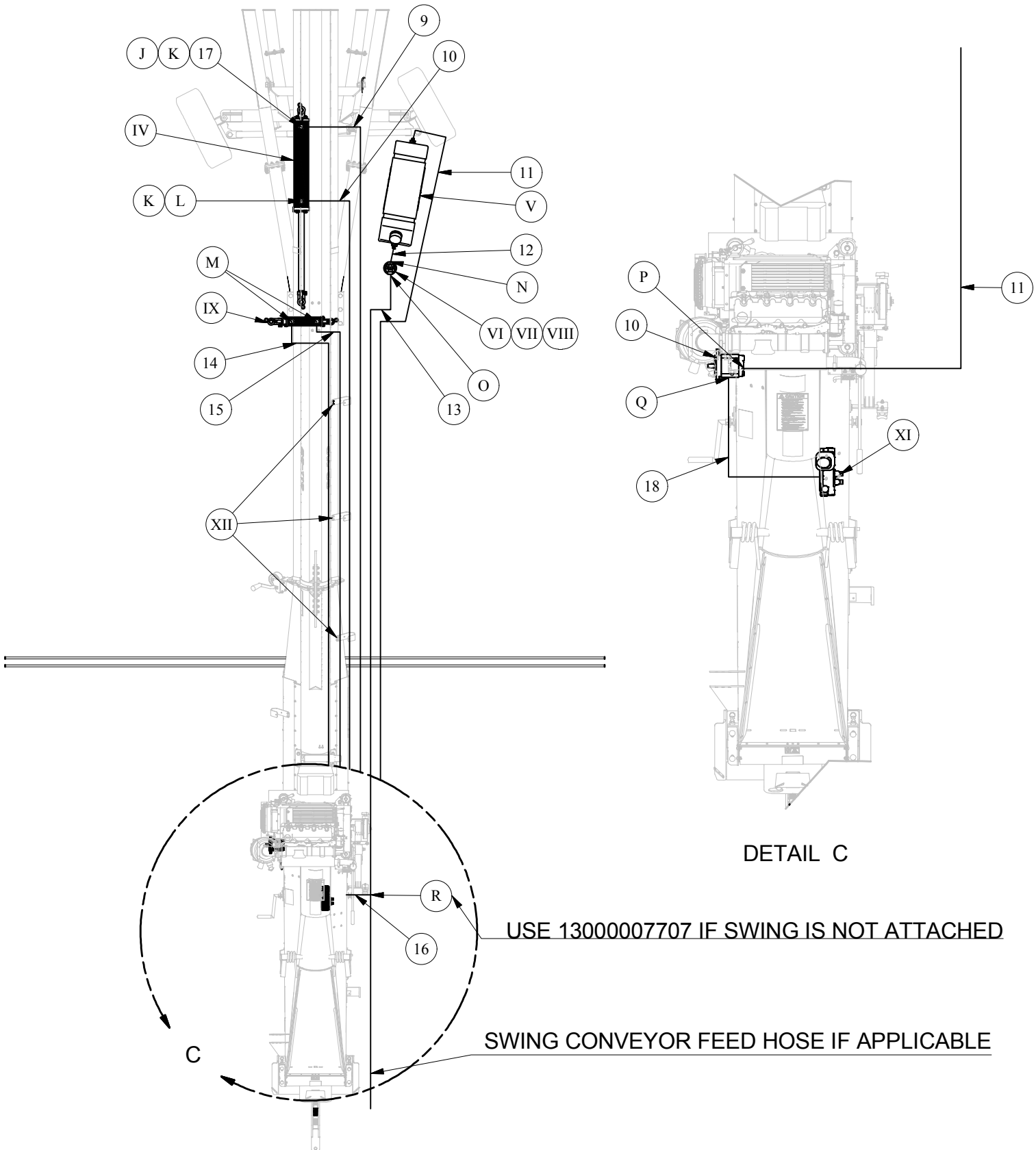
1. HOSES SHOULD BE COMPLETELY ROUTED AND THEN HOSE CLAMPS AND ZIP TIES ADDED AS REQUIRED TO SECURE HOSES.
2. HOSES MAY BE ROUTED ON REVERSE SIDE OF FRAME DEPENDING ON SWING CONVEYOR POSITION.



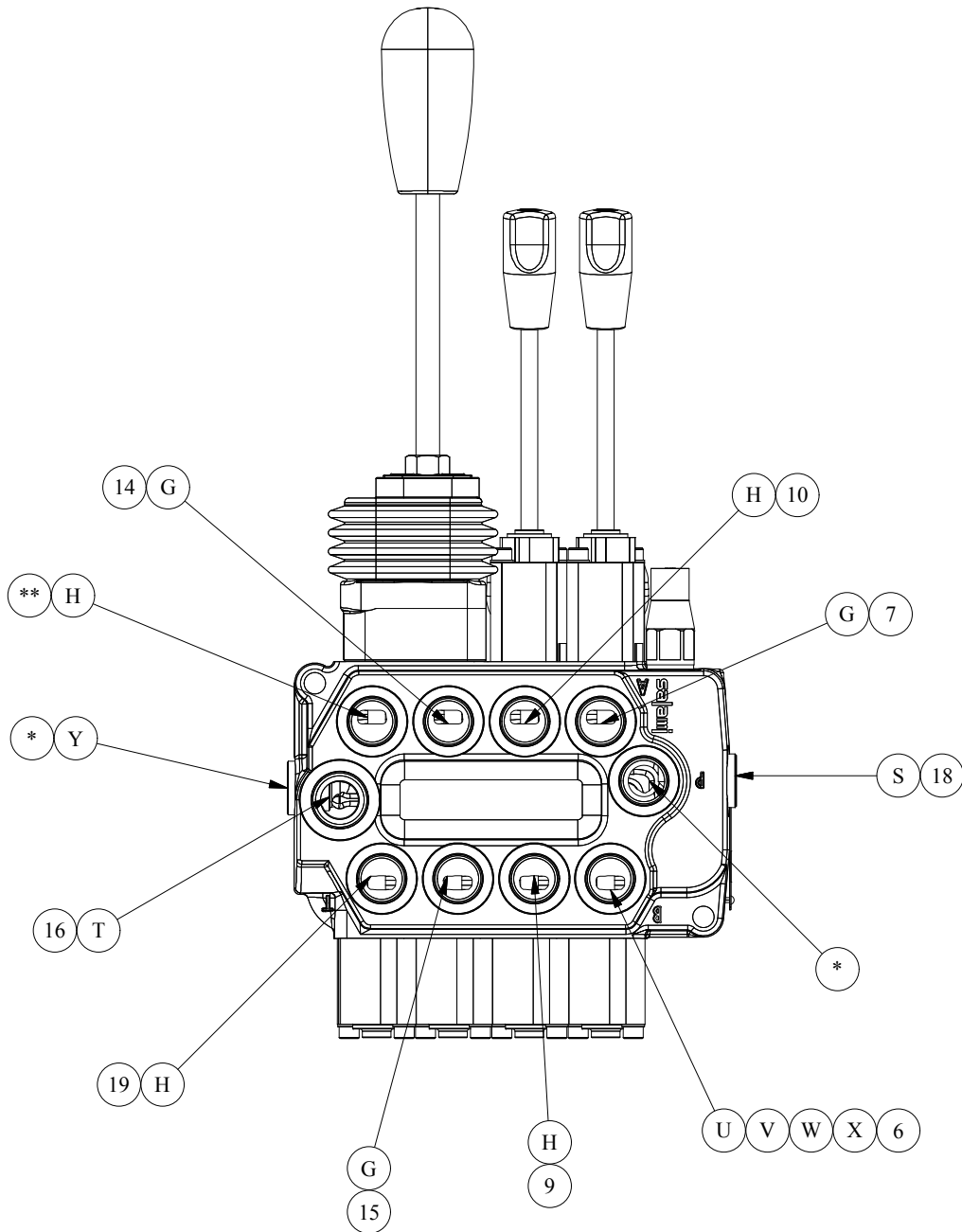
NOTE:

1. ALL HOSES RUN TO VALVE BLOCK SEE PAGE C73 FOR DETAIL

HYDRAULIC HOSE AND FITTING LAYOUT - 80-110 GAS/DIESEL WITH MOVER



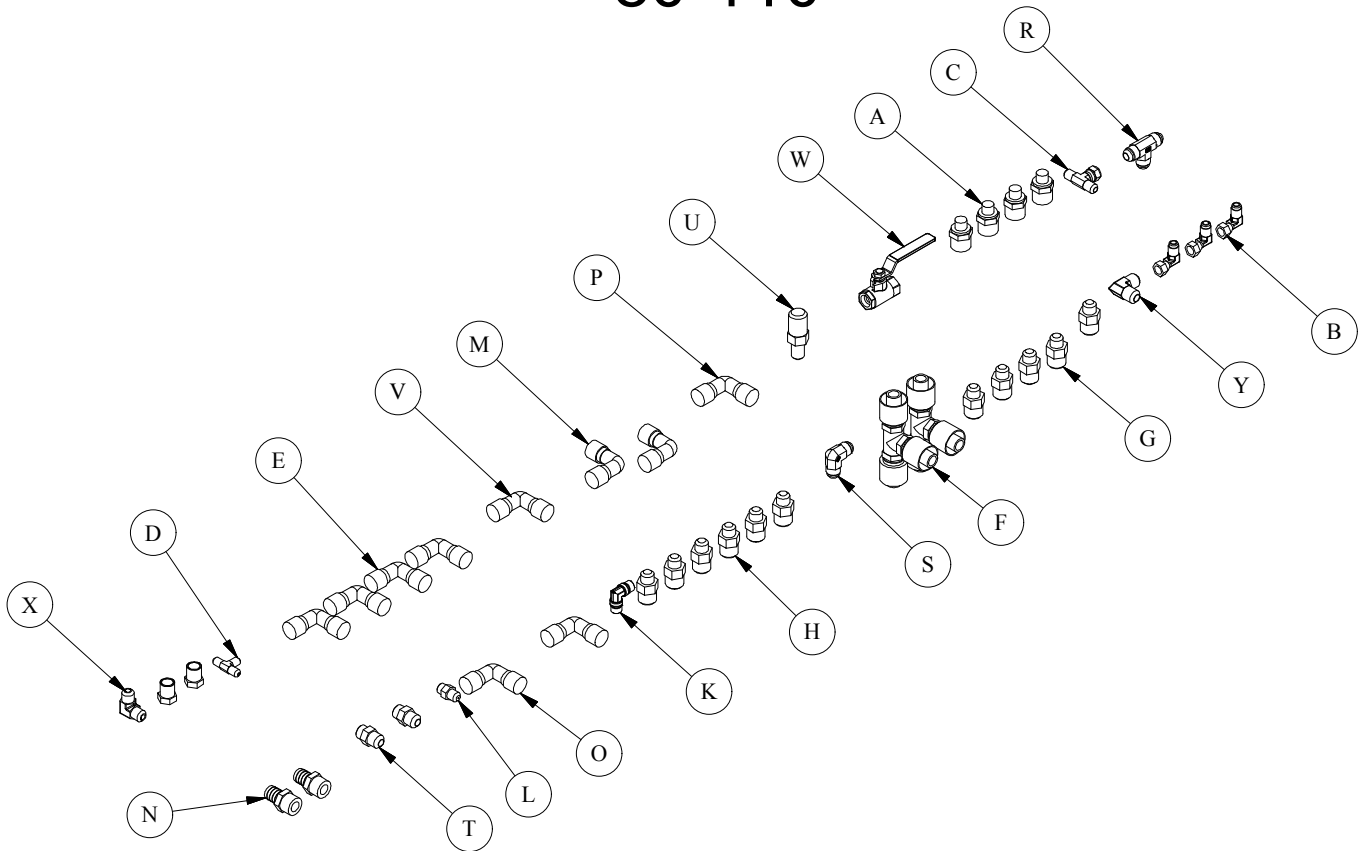
HYDRAULIC HOSE AND FITTING LAYOUT - 80-110 GAS/DIESEL WITH MOVER



NOTE:

- * SWING CONVEYOR FEED HOSE IF ATTACHED
IF NO SWING CONVEYOR ATTACHED HOSE SHOULD BE 13000007700
- ** FITTING H AND HOSE 13000007700 IF SWING CONVEYOR ATTACHED
USE SUPPLIED PLUG IF SWING CONVEYOR IS NOT ATTACHED

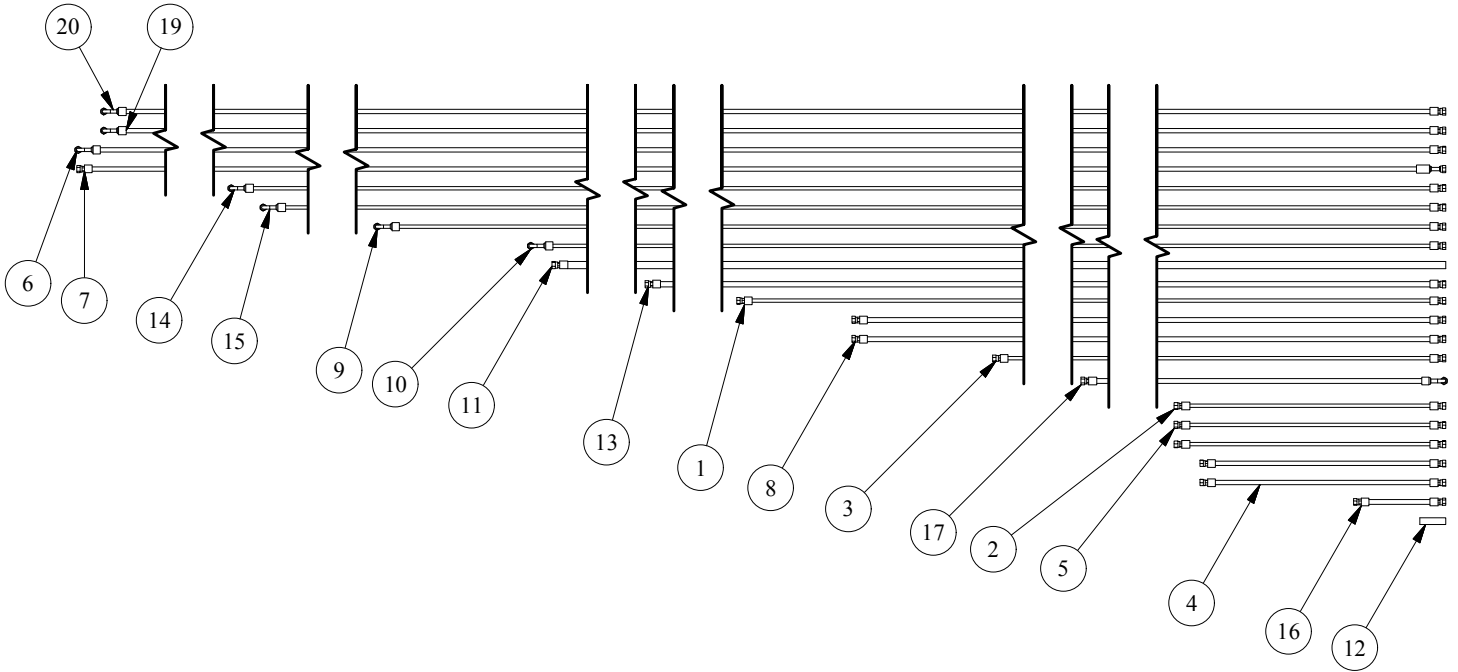
HYDRAULIC FITTING KIT - GAS/DIESEL 80-110



PARTS LIST OF PN# 13000006886-00

REF #	PART #	QUANTITY	DESCRIPTION
A	13000006089-00	4	Fitting - Hydraulic (6MJ-8MB) REST.
B	13000042583-00	3	Hydraulic Fitting Elbow - 6MJ-6FJX90
C	13000006490-00	1	Fittings-Hydraulic(6MJ-6MJ-6FJX TEE)
D	13000006491-00	1	Fitting-Hydraulic (4MJ-4MJ-4MJ)
E	13000006094-00	4	Fitting - Hydraulic (6MJ-10MB-90)
F	13000006093-00	2	Fitting - Hydraulic (4MJ-6MB-90)
G	13000006087-00	5	Fitting - Hydraulic (6MJ - 6MB)
H	13000006595-00	6	Fitting - Hydraulic (4MJ-6MB)
K	13000007703-00	1	Fitting - Hydraulic (6MP-6MP-90)
L	13000007566-00	1	Fittings-Hydraulic (6MP-6MJ 1/32in RES)
M	13000007695-00	2	Fittings-Hydraulic (6MP-4MJ-90)
N	13000042176-00	2	Fitting - Hydraulic - (12MP-3/4") Barb
O	13000006097-00	1	Fitting - Hydraulic (8MJ-12MP-90)
P	13000006856-00	1	Fittings-Hydraulic (12MB-12MJ90)
Q	13000006086-00	1	Fitting - Hydraulic (8MJ-10MB-90)
R	13000007701-00	1	Fitting - Hydraulic (8MJ-8MJ-8MJ)
S	13000007707-00	1	Fitting - Hydraulic (8MJ-8MJ-90)
T	13000006496-00	2	Fittings-Hydraulic (8MB-8MJ)
U	13000006852-00	1	Fitting - Hydraulic (6MJ-6MB Long)
V	13000006855-00	1	Fittings-Hydraulic (6MP-6FJX90)
W	13000006858-00	1	Valve - Ball 3/8" NPT
X	13000042138-00	1	Fitting - Hydraulic - 6MP-6MP90
Y	13000042140-00	1	Fitting - Hydraulic (8MB-8MJ-90)
32	13000004458-00	2	Fitting Hydraulic Adapter

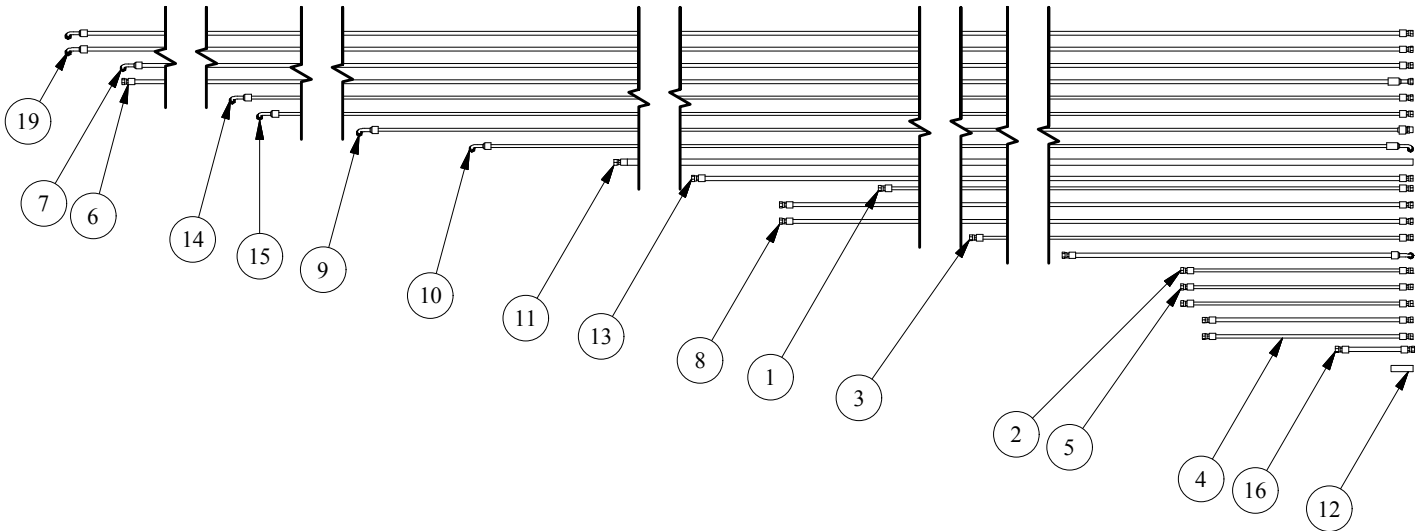
HYRDAULIC HOSE KIT - GAS/DIESEL 80-90 WITH MOVER



PARTS LIST OF PN# 13000007815-00

REF #	PART #	QUANTITY	DESCRIPTION
1	13000006836-00	1	Hydraulic Hose-1/4" x 136" c/w Fittings
2	13000006835-00	2	Hydraulic Hose - 1/4" x 40" c/w Fittings
3	13000006834-00	1	Hydraulic Hose - 1/4" x 96" c/w Fittings
4	13000006358-00	2	Hydraulic Hose - 3/8" x 36" c/w Fittings
5	13000006837-00	1	Hydraulic Hose - 1/4" x 40" c/w Fittings
6	13000006904-00	1	Hydraulic Hose-3/8" x 434" c/w Fittings
7	13000006905-00	1	Hydraulic Hose-3/8" x 434" c/w Fittings
8	13000006934-00	2	Hydraulic Hose-3/8" x 118" c/w Fittings
9	13000006931-00	1	Hydraulic Hose-1/4" x 274" c/w Fittings
10	13000006930-00	1	Hydraulic Hose-1/4" x 250" c/w Fittings
11	13000006937-00	1	Hydraulic Hose-3/4" x 249" c/w Fittings
12	13000006812-00	1	Hydraulic Hose - 3/4" x 4"
13	13000006850-00	1	Hydraulic Hose-1/2" x 170" c/w Fittings
14	13000006932-00	1	Hydraulic Hose-1/4" x 367" c/w Fittings
15	13000006933-00	1	Hydraulic Hose-1/4" x 362" c/w Fittings
16	13000007700-00	1	Hydraulic Hose-1/2" x 12" c/w Fittings
17	13000007546-00	1	Hydraulic Hose-1/2" x 60" c/w Fittings
19	13000006902-00	1	Hydraulic Hose-3/8" x 430" c/w Fittings
20	13000006903-00	1	Hydraulic Hose-3/8" x 430" c/w Fittings

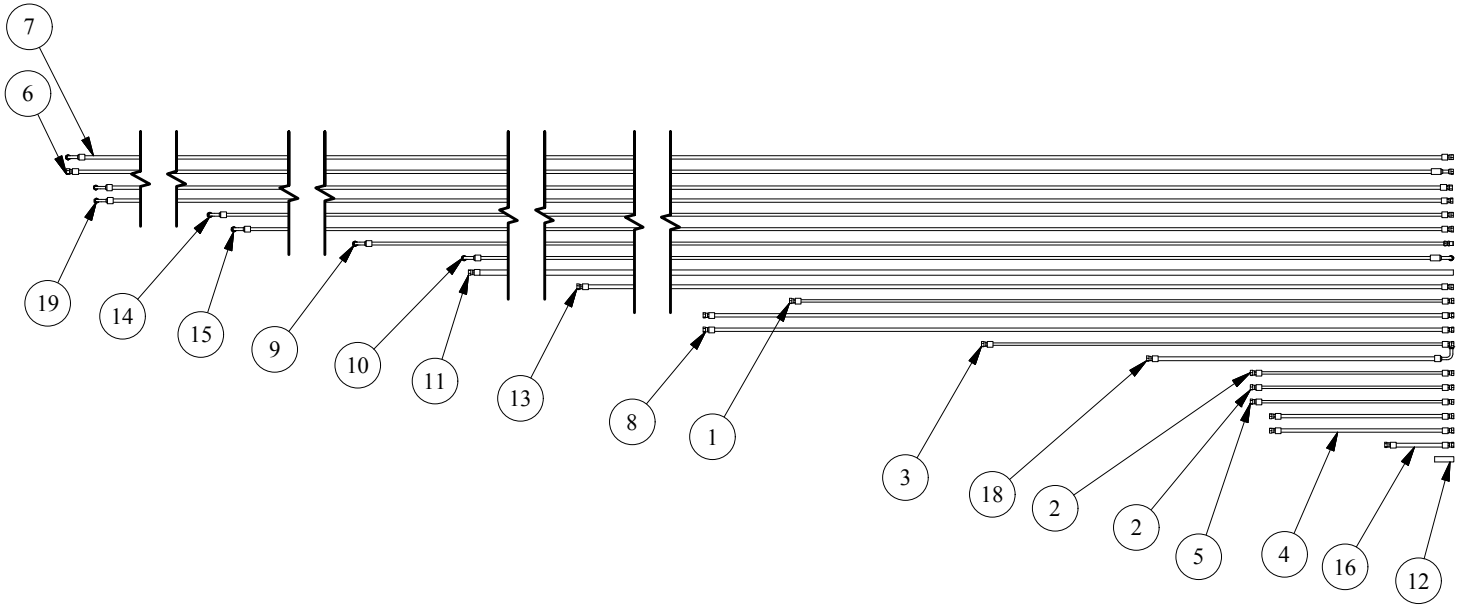
HYDRAULIC HOSE KIT - GAS/DIESEL 100 WITH MOVER



PARTS LIST OF PN# 13000007732-00

REF #	PART #	QUANTITY	DESCRIPTION
1	13000006836-00	1	Hydraulic Hose-1/4" x 136" c/w Fittings
2	13000006835-00	2	Hydraulic Hose - 1/4" x 40" c/w Fittings
3	13000006834-00	1	Hydraulic Hose - 1/4" x 96" c/w Fittings
4	13000006358-00	2	Hydraulic Hose - 3/8" x 36" c/w Fittings
5	13000006837-00	1	Hydraulic Hose - 1/4" x 40" c/w Fittings
6	13000006827-00	1	Hydraulic Hose-3/8" x 472" c/w Fittings
7	13000006824-00	1	Hydraulic Hose-3/8" x 472" c/w Fittings
8	13000006833-00	2	Hydraulic Hose-3/8" x 154" c/w Fittings
9	13000006830-00	1	Hydraulic Hose-1/4" x 283" c/w Fittings
10	13000006829-00	1	Hydraulic Hose-1/4" x 261" c/w Fittings
11	13000006851-00	1	Hydraulic Hose-3/4" x 239" c/w Fittings
12	13000006812-00	1	Hydraulic Hose - 3/4" x 4"
13	13000006850-00	1	Hydraulic Hose-1/2" x 170" c/w Fittings
14	13000006831-00	1	Hydraulic Hose-1/4" x 372" c/w Fittings
15	13000006832-00	1	Hydraulic Hose-1/4" x 367" c/w Fittings
16	13000007700-00	1	Hydraulic Hose-1/2" x 12" c/w Fittings
18	13000007546-00	1	Hydraulic Hose-1/2" x 60" c/w Fittings
19	13000006911-00	1	Hydraulic Hose-3/8" x 482" c/w Fittings
20	13000006910-00	1	Hydraulic Hose-3/8" x 482" c/w Fittings

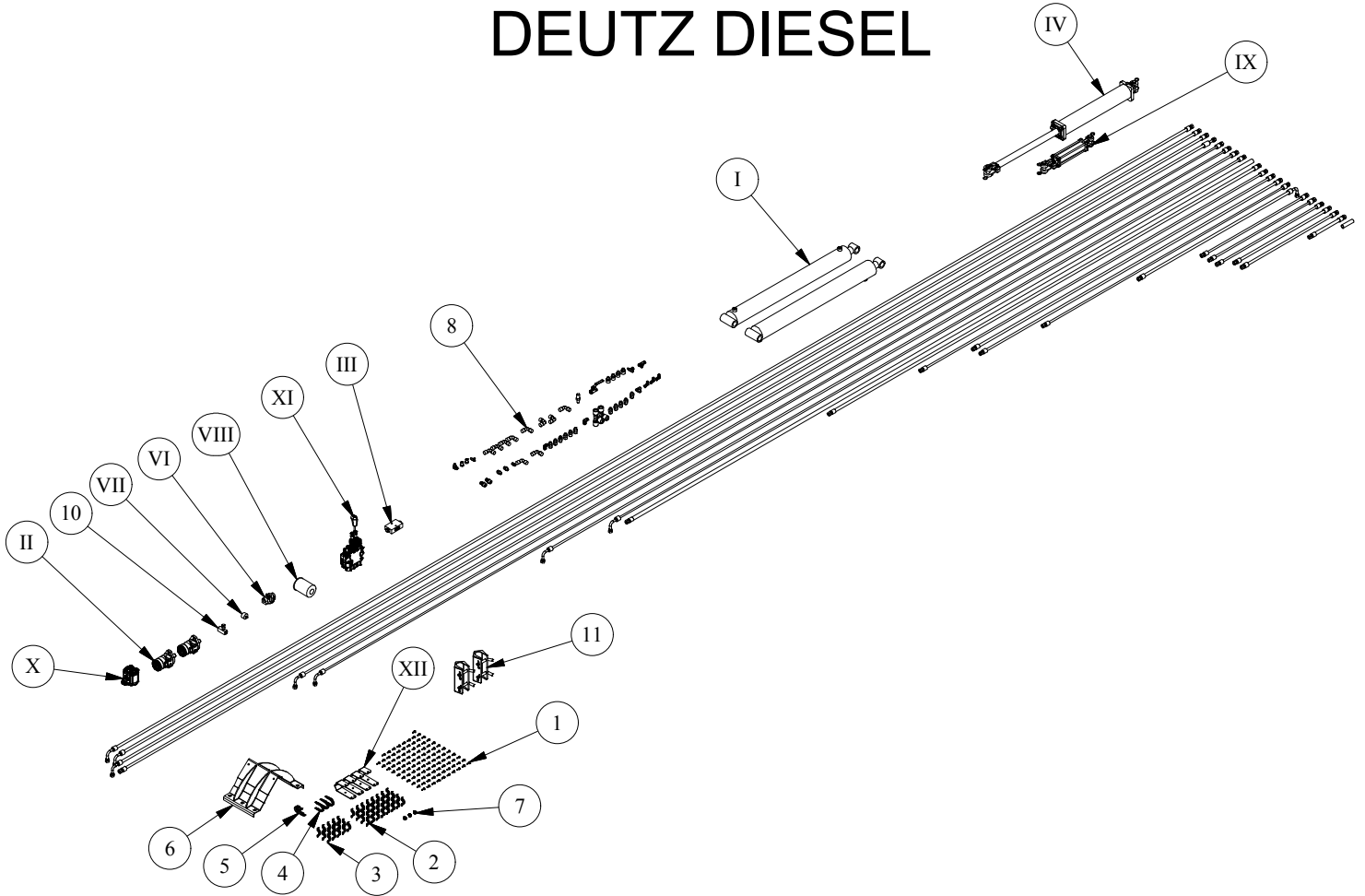
HYDRAULIC HOSE KIT - GAS/DIESEL 110 WITH MOVER



PARTS LIST OF PN# 13000007733-00

REF #	PART #	QUANTITY	DESCRIPTION
1	13000006836-00	1	Hydraulic Hose-1/4" x 136" c/w Fittings
2	13000006835-00	2	Hydraulic Hose - 1/4" x 40" c/w Fittings
3	13000006834-00	1	Hydraulic Hose - 1/4" x 96" c/w Fittings
4	13000006358-00	2	Hydraulic Hose - 3/8" x 36" c/w Fittings
5	13000006837-00	1	Hydraulic Hose - 1/4" x 40" c/w Fittings
6	13000006945-00	1	Hydraulic Hose-3/8" x 563" c/w Fittings
7	13000006944-00	1	Hydraulic Hose-3/8" x 563" c/w Fittings
8	13000006833-00	2	Hydraulic Hose-3/8" x 154" c/w Fittings
9	13000006947-00	1	Hydraulic Hose-1/4" x 359" c/w Fittings
10	13000006946-00	1	Hydraulic Hose-1/4" x 335" c/w Fittings
11	13000006969-00	1	Hydraulic Hose-3/4" x 338" c/w Fittings
12	13000006812-00	1	Hydraulic Hose - 3/4" x 4"
13	13000006950-00	1	Hydraulic Hose-1/2" x 245" c/w Fittings
14	13000006948-00	1	Hydraulic Hose-1/4" x 452" c/w Fittings
15	13000006949-00	1	Hydraulic Hose-1/4" x 447" c/w Fittings
16	13000007700-00	1	Hydraulic Hose-1/2" x 12" c/w Fittings
18	13000007546-00	1	Hydraulic Hose-1/2" x 60" c/w Fittings
19	13000007712-00	2	Hydraulic Hose-3/8" x 557" c/w Fittings

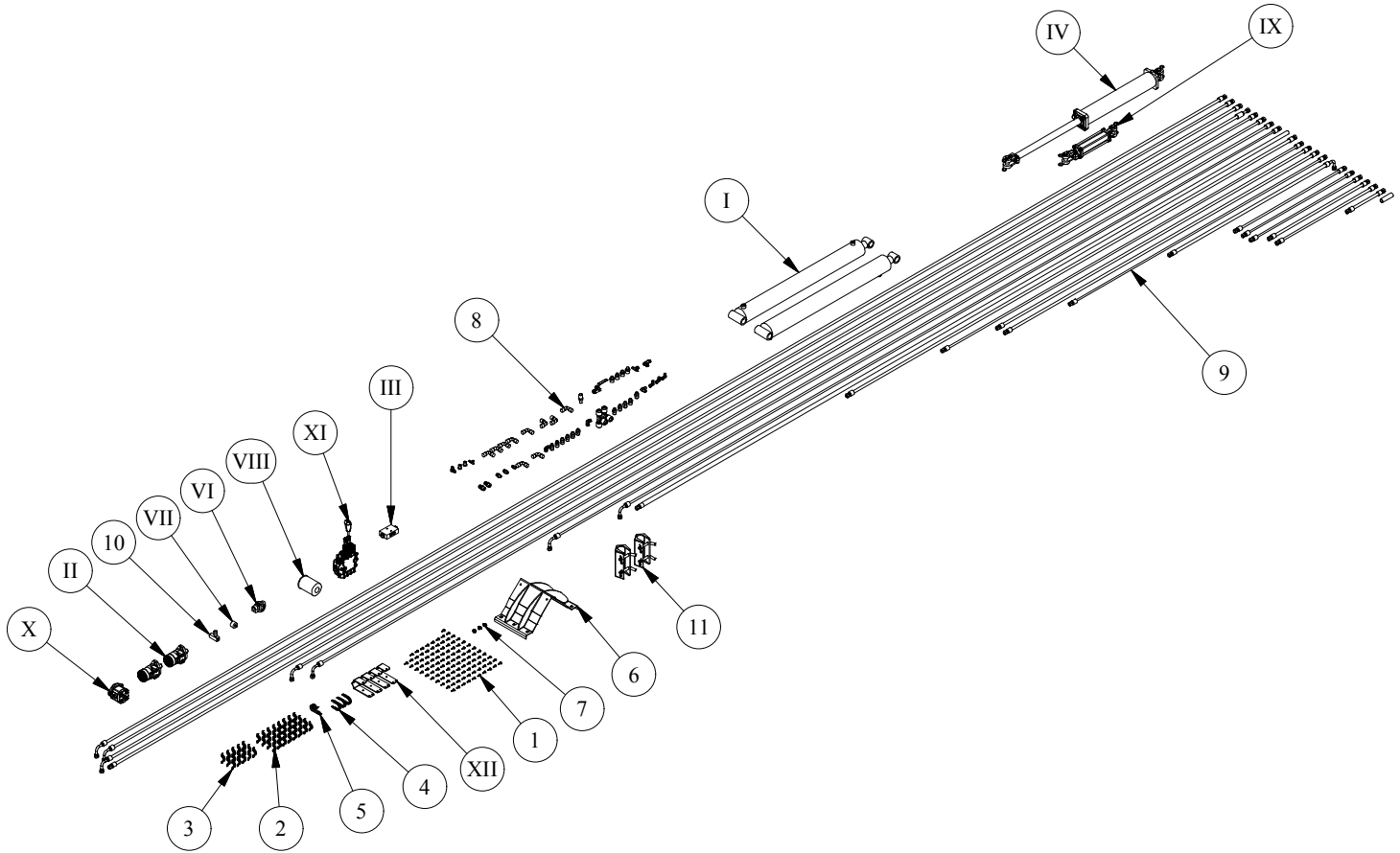
HYDRAULIC HOSE AND FITTING KIT - 80/90 DEUTZ DIESEL



PARTS LIST OF PN# 13000007543-00

REF #	PART #	QUANTITY	DESCRIPTION
I	13000006500-00	2	Cylinder - HYS 40MAL40-10
II	13000006885-00	2	Motor - Orbit 9.5 DISP
III	13000005798-00	1	Valve- Dual Piloted Check
IV	13000006853-00	1	Cylinder - HYS 4 x 24 AGU
VI	13000005907-00	1	Filter - Hydraulic Head
VII	13000005804-00	1	Filter - Indicator
VIII	13000042174-00	1	Micron 10
IX	13000006404-00	1	Hydraulic Cylinder HYS 20AGU8
X	13000006891-00	1	Pump - Duetz Gear
XI	13000006919-00	1	Valve - 4 Spool Reverse
XII	13000006172-00	4	Holder - Hydraulic Hose - Plated
1	13000007303-00	1	Bolt Bag - Hyd Kit - Diesel 80-110
2	13000006022-00	32	Clamp - Neoprene 1/2" x 3/4"
3	13000006021-00	15	Clamp - Neoprene 1/2" x 5/8"
4	13000006020-00	3	Clamp - Neoprene 1/2" x 2"
5	13000007273-00	1	Clamp - Neoprene 3/4 x 1/12
6	13000005574-00	1	CLAMP - TOP HALF - TUBE - GREY
7	13000042591-00	3	Clamp - Hose - 3/4"
8	13000006886-00	1	Bag - Diesel Fittings
9	13000007815-00	1	Kit - Hyd Hoses - 80/90RM
10	13000007704-00	1	Needle Valve 3/8 NPT
11	13000007879-00	1	Bolt Bag - Cylinder Stops - 20-80/90

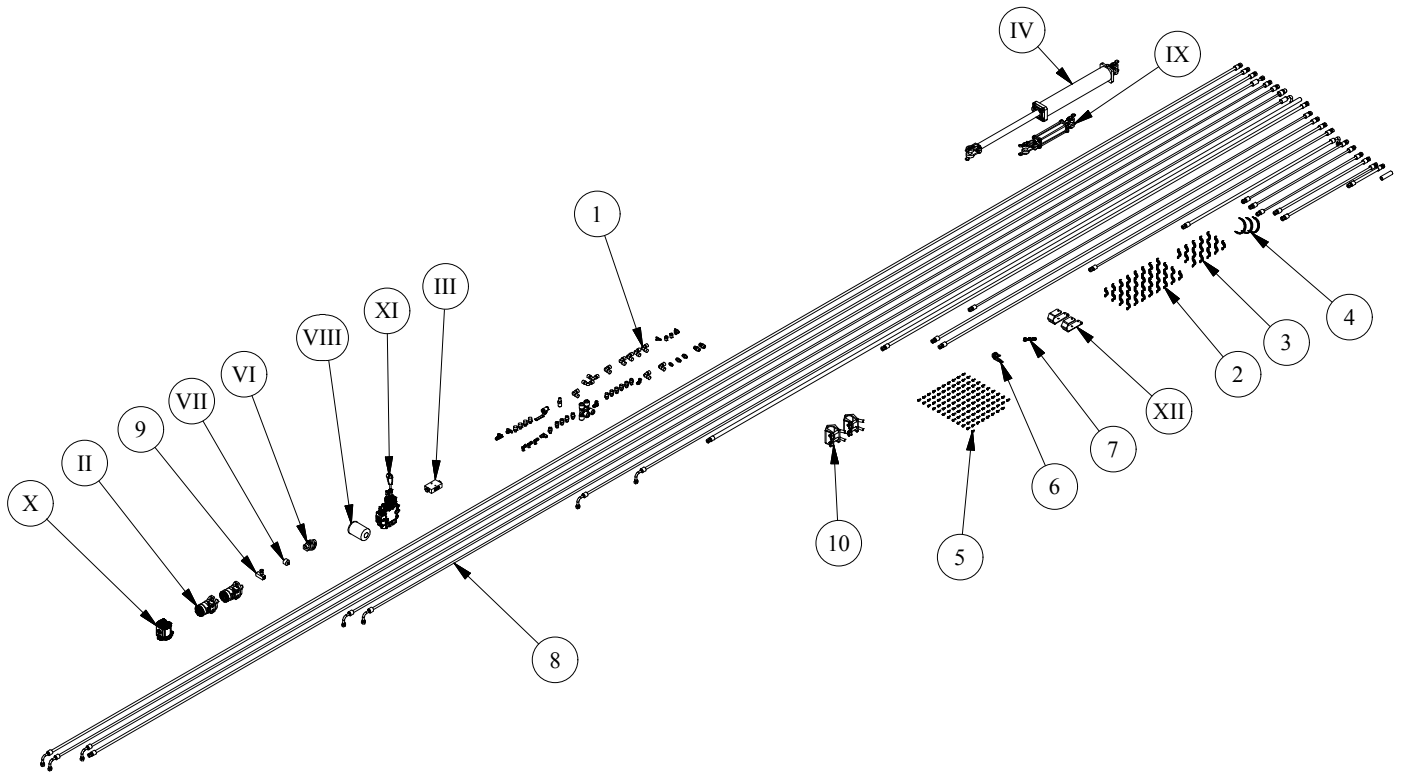
HYDRAULIC HOSE AND FITTING KIT - 80/90 GAS/ISUZU DIESEL



PARTS LIST OF PN# 13000007814-00

REF #	PART #	QUANTITY	DESCRIPTION
I	13000006500-00	2	Cylinder - HYS 40MAL40-10
II	13000006885-00	2	Motor - Orbit 9.5 DISP
III	13000005798-00	1	Valve- Dual Piloted Check
IV	13000006853-00	1	Cylinder - HYS 4 x 24 AGU
VI	13000005907-00	1	Filter - Hydraulic Head
VII	13000005804-00	1	Filter - Indicator
VIII	13000042174-00	1	Micron 10
IX	13000006404-00	1	Hydraulic Cylinder HYS 20AGU8
X	13000005901-00	1	Pump - Hydraulic Salami 6.5 GPM
XI	13000006919-00	1	Valve - 4 Spool Reverse
XII	13000006172-00	4	Holder - Hydraulic Hose - Plated
1	13000007303-00	1	Bolt Bag - Hyd Kit - Diesel 80-110
2	13000006022-00	32	Clamp - Neoprene 1/2" x 3/4"
3	13000006021-00	15	Clamp - Neoprene 1/2" x 5/8"
4	13000006020-00	3	Clamp - Neoprene 1/2" x 2"
5	13000007273-00	1	Clamp - Neoprene 3/4 x 1/12
6	13000005574-00	1	CLAMP - TOP HALF - TUBE - GREY
7	13000042591-00	3	Clamp - Hose - 3/4"
8	13000006886-00	1	Bag - Diesel Fittings
9	13000007815-00	1	Kit - Hyd Hoses - 80/90RM
10	13000007704-00	1	Needle Valve 3/8 NPT
11	13000007879-00	1	Bolt Bag - Cylinder Stops - 20-80/90

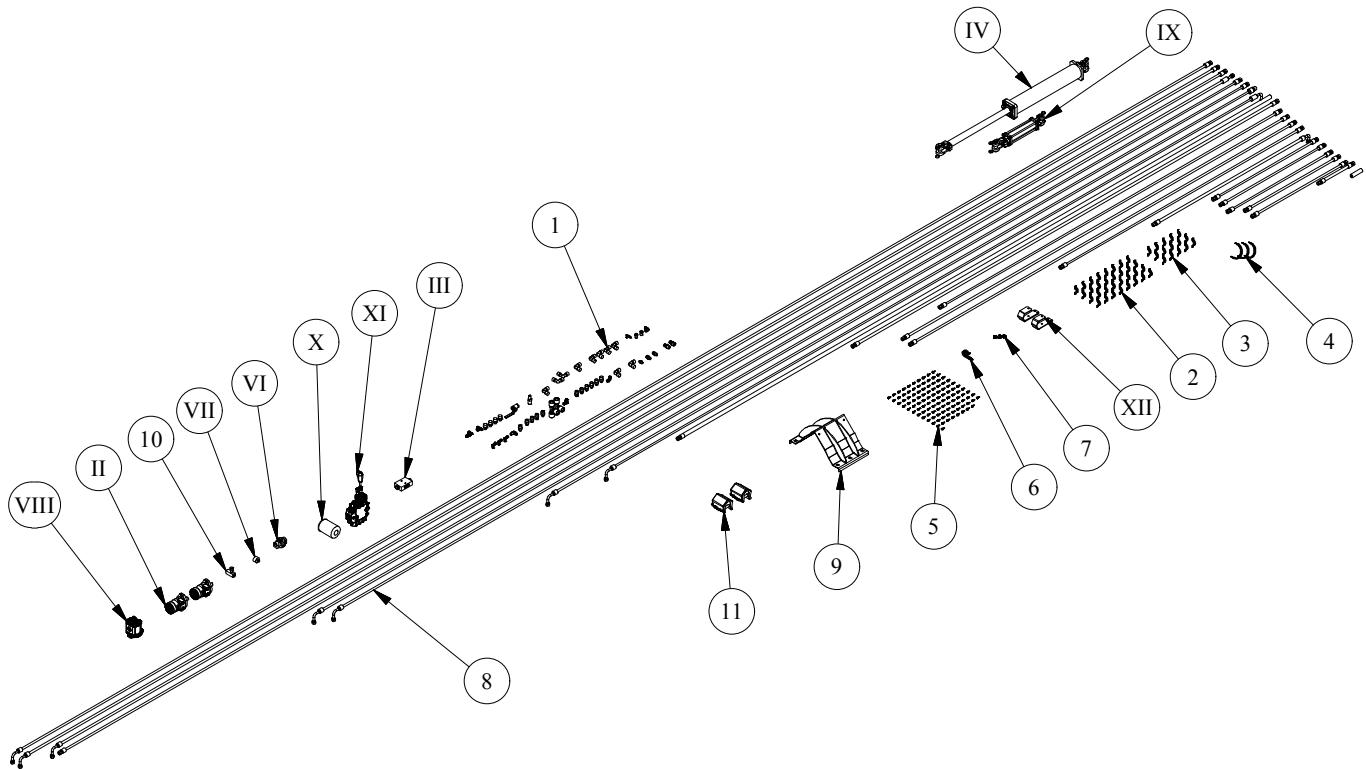
HYDRAULIC HOSE AND FITTING KIT - 100 DUETZ DIESEL WITH SWING CONVEYOR



PARTS LIST OF PN# 13000006760-00

REF #	PART #	QUANTITY	DESCRIPTION
II	13000006885-00	2	Motor - Orbit 9.5 DISP
III	13000005798-00	1	Valve- Dual Piloted Check
IV	13000006853-00	1	Cylinder - HYS 4 x 24 AGU
VI	13000005907-00	1	Filter - Hydraulic Head
VII	13000005804-00	1	Filter - Indicator
VIII	13000042174-00	1	Micron 10
IX	13000006404-00	1	Hydraulic Cylinder HYS 20AGU8
X	13000006891-00	1	Pump - Duetz Gear
XI	13000006919-00	1	Valve - 4 Spool Reverse
XII	13000006172-00	2	Holder - Hydraulic Hose - Plated
1	13000006886-00	1	Bag - Diesel Fittings
2	13000006022-00	32	Clamp - Neoprene 1/2" x 3/4"
3	13000006021-00	15	Clamp - Neoprene 1/2" x 5/8"
4	13000006020-00	3	Clamp - Neoprene 1/2" x 2"
5	13000007303-00	1	Bolt Bag - Hyd Kit - Diesel 80-110
6	13000007273-00	1	Clamp - Neoprene 3/4 x 1/12
7	13000042591-00	3	Clamp - Hose - 3/4"
8	13000007732-00	1	Kit - Hyd Hoses - 20-100 Deutz Diesel
9	13000007704-00	1	Needle Valve 3/8 NPT
10	13000007880-00	1	Bolt Bag - Cylinder Stops - 20-100/110

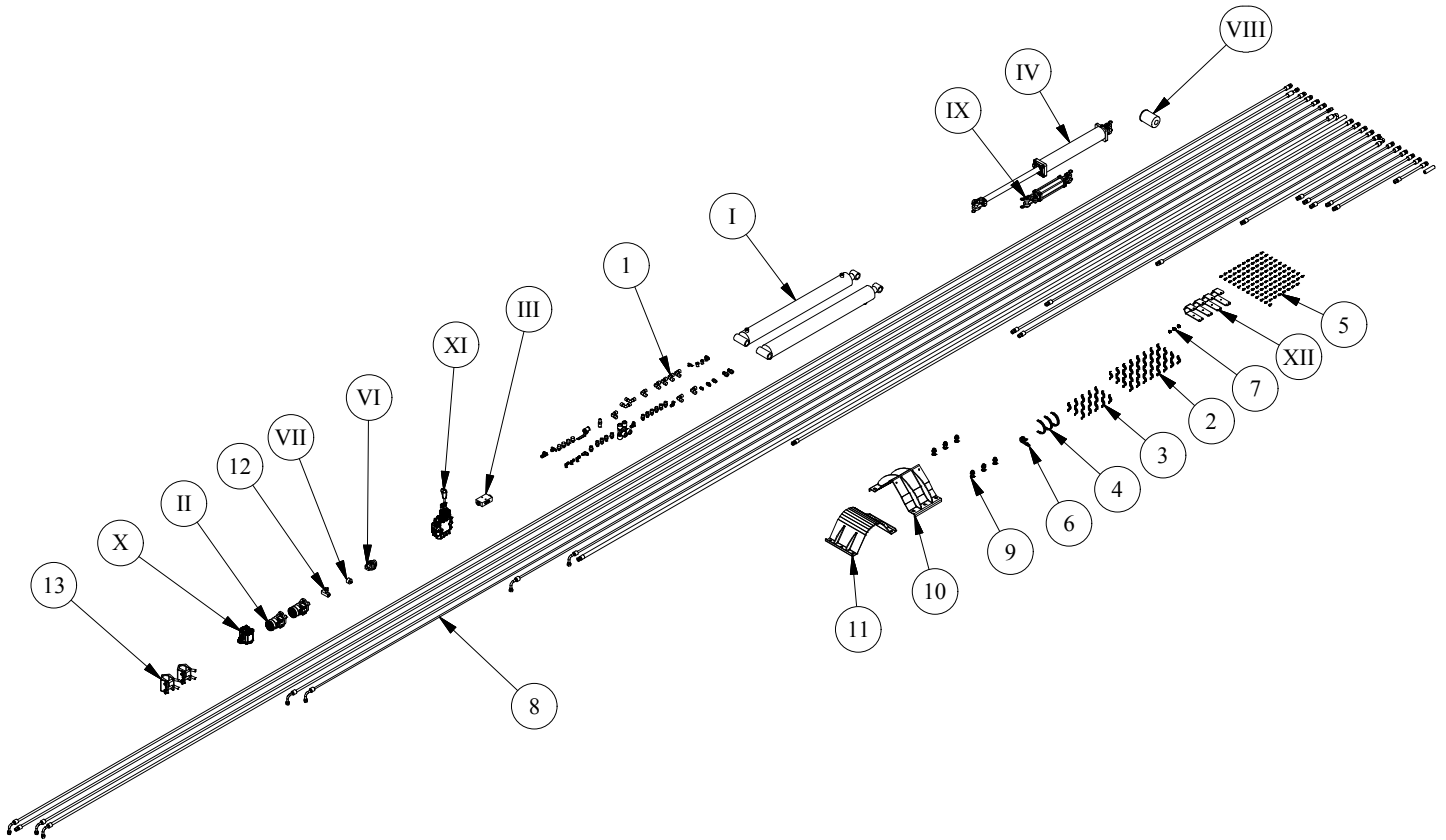
HYDRAULIC HOSE AND FITTING - 110 DUETZ DIESEL WITHOUT SWING CONVEYOR



PARTS LIST OF PN# 13000007808-00

REF #	PART #	QUANTITY	DESCRIPTION
II	13000006885-00	2	Motor - Orbit 9.5 DISP
III	13000005798-00	1	Valve- Dual Piloted Check
IV	13000006853-00	1	Cylinder - HYS 4 x 24 AGU
VI	13000005907-00	1	Filter - Hydraulic Head
VII	13000005804-00	1	Filter - Indicator
VIII	13000006891-00	1	Pump - Duetz Gear
IX	13000006404-00	1	Hydraulic Cylinder HYS 20AGU8
X	13000042174-00	1	Micron 10
XI	13000006919-00	1	Valve - 4 Spool Reverse
XII	13000006172-00	2	Holder - Hydraulic Hose - Plated
1	13000006886-00	1	Bag - Diesel Fittings
2	13000006022-00	32	Clamp - Neoprene 1/2" x 3/4"
3	13000006021-00	15	Clamp - Neoprene 1/2" x 5/8"
4	13000006020-00	3	Clamp - Neoprene 1/2" x 2"
5	13000007303-00	1	Bolt Bag - Hyd Kit - Diesel 80-110
6	13000007273-00	1	Clamp - Neoprene 3/4 x 1/12
7	13000042591-00	3	Clamp - Hose - 3/4"
8	13000007732-00	1	Kit - Hyd Hoses - 20-100 Deutz Diesel
9	13000005574-00	1	CLAMP - TOP HALF - TUBE - GREY
10	13000007704-00	1	Needle Valve 3/8 NPT
11	13000007880-00	1	Bolt Bag - Cylinder Stops - 20-100/110

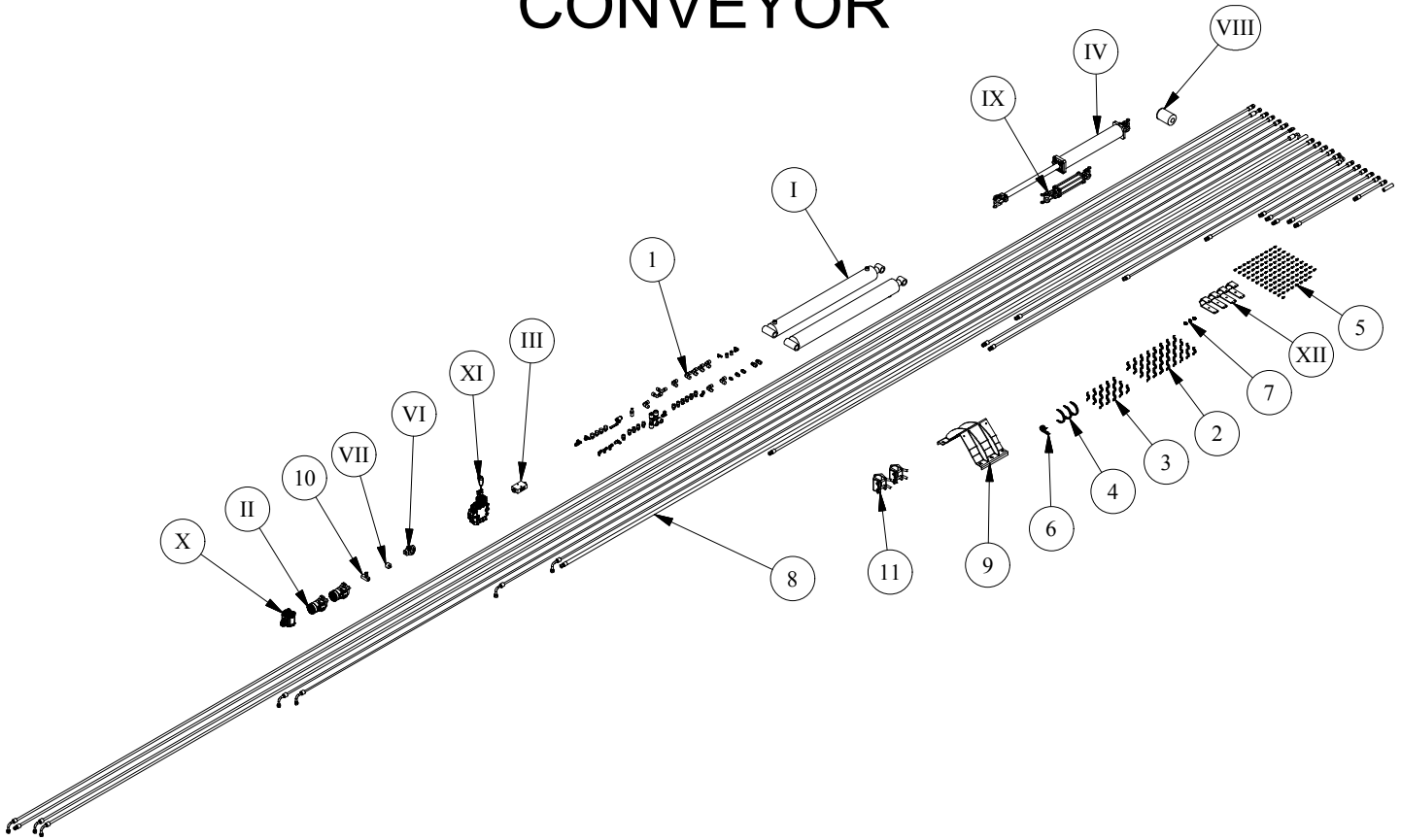
HYDRAULIC HOSE AND FITTING KIT - 110 DUETZ DIESEL WITH SWING CONVEYOR



PARTS LIST OF PN# 13000006761-00

REF #	PART #	QUANTITY	DESCRIPTION
I	13000006500-00	2	Cylinder - HYS 40MAL40-10
II	13000006885-00	2	Motor - Orbit 9.5 DISP
III	13000005798-00	1	Valve- Dual Piloted Check
IV	13000006853-00	1	Cylinder - HYS 4 x 24 AGU
VI	13000005907-00	1	Filter - Hydraulic Head
VII	13000005804-00	1	Filter - Indicator
VIII	13000042174-00	1	Micron 10
IX	13000006404-00	1	Hydraulic Cylinder HYS 20AGU8
X	13000006891-00	1	Pump - Duetz Gear
XI	13000006919-00	1	Valve - 4 Spool Reverse
XII	13000006172-00	4	Holder - Hydraulic Hose - Plated
1	13000006886-00	1	Bag - Diesel Fittings
2	13000006022-00	32	Clamp - Neoprene 1/2" x 3/4"
3	13000006021-00	15	Clamp - Neoprene 1/2" x 5/8"
4	13000006020-00	3	Clamp - Neoprene 1/2" x 2"
5	13000007303-00	1	Bolt Bag - Hyd Kit - Diesel 80-110
6	13000007273-00	1	Clamp - Neoprene 3/4 x 1/12
7	13000042591-00	3	Clamp - Hose - 3/4"
8	13000007733-00	1	Kit - Hyd Hoses - 110 Duetz Diesel
9	13000007565-00	1	Bolt Bag - Tube Clamp
10	13000005574-00	1	CLAMP - TOP HALF - TUBE - GREY
11	13000007562-00	1	Clamp Bottom - Half Tube - Grey
12	13000007704-00	1	Needle Valve 3/8 NPT
13	13000007880-00	1	Bolt Bag - Cylinder Stops - 20-100/110

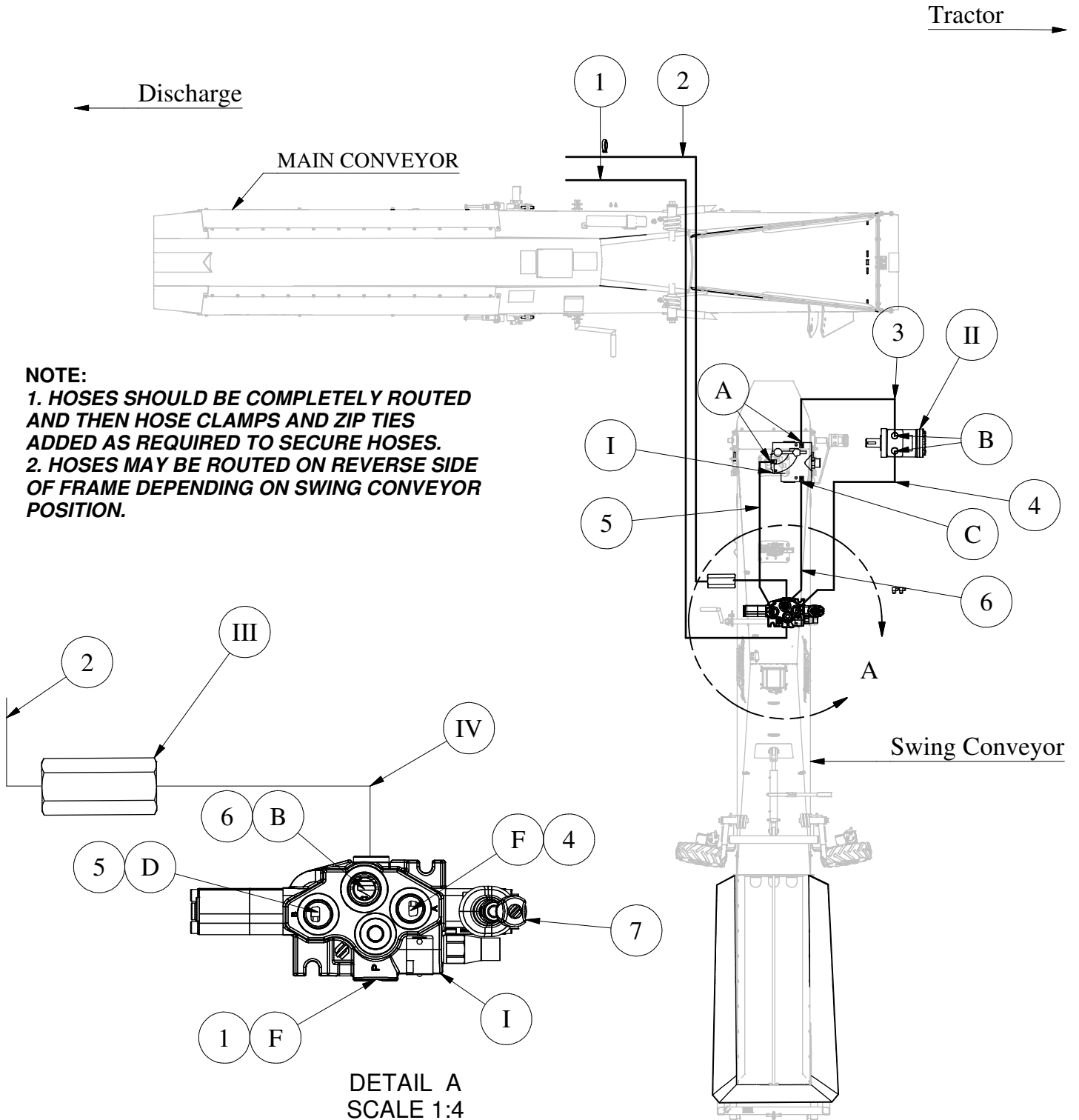
HYDRAULIC HOSE AND FITTING - 110 DUETZ DIESEL WITHOUT SWING CONVEYOR



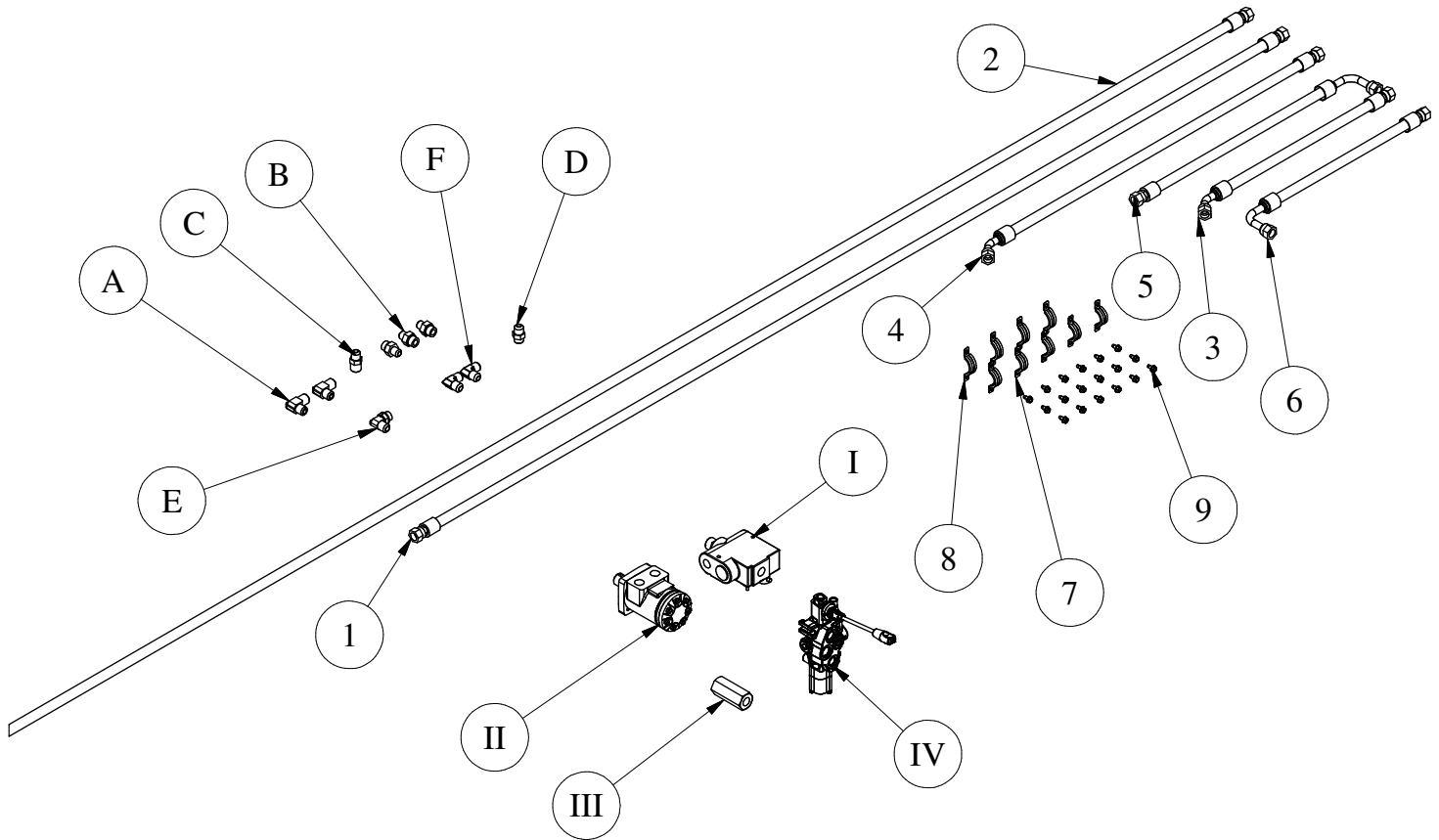
PARTS LIST OF PN# 13000007810-00

REF #	PART #	QUANTITY	DESCRIPTION
I	13000006500-00	2	Cylinder - HYS 40MAL40-10
II	13000006885-00	2	Motor - Orbit 9.5 DISP
III	13000005798-00	1	Valve- Dual Piloted Check
IV	13000006853-00	1	Cylinder - HYS 4 x 24 AGU
VI	13000005907-00	1	Filter - Hydraulic Head
VII	13000005804-00	1	Filter - Indicator
VIII	13000042174-00	1	Micron 10
IX	13000006404-00	1	Hydraulic Cylinder HYS 20AGU8
X	13000006891-00	1	Pump - Duetz Gear
XI	13000006919-00	1	Valve - 4 Spool Reverse
XII	13000006172-00	4	Holder - Hydraulic Hose - Plated
1	13000006886-00	1	Bag - Diesel Fittings
2	13000006022-00	32	Clamp - Neoprene 1/2" x 3/4"
3	13000006021-00	15	Clamp - Neoprene 1/2" x 5/8"
4	13000006020-00	3	Clamp - Neoprene 1/2" x 2"
5	13000007303-00	1	Bolt Bag - Hyd Kit - Diesel 80-110
6	13000007273-00	1	Clamp - Neoprene 3/4 x 1/12
7	13000042591-00	3	Clamp - Hose - 3/4"
8	13000007733-00	1	Kit - Hyd Hoses - 110 Duetz Diesel
9	13000005574-00	1	CLAMP - TOP HALF - TUBE - GREY
10	13000007704-00	1	Needle Valve 3/8 NPT
11	13000007880-00	1	Bolt Bag - Cylinder Stops - 20-100/110

HYDRAULIC HOSE AND FITTING LAYOUT - 80-110 DIESEL SWING CONVEYOR



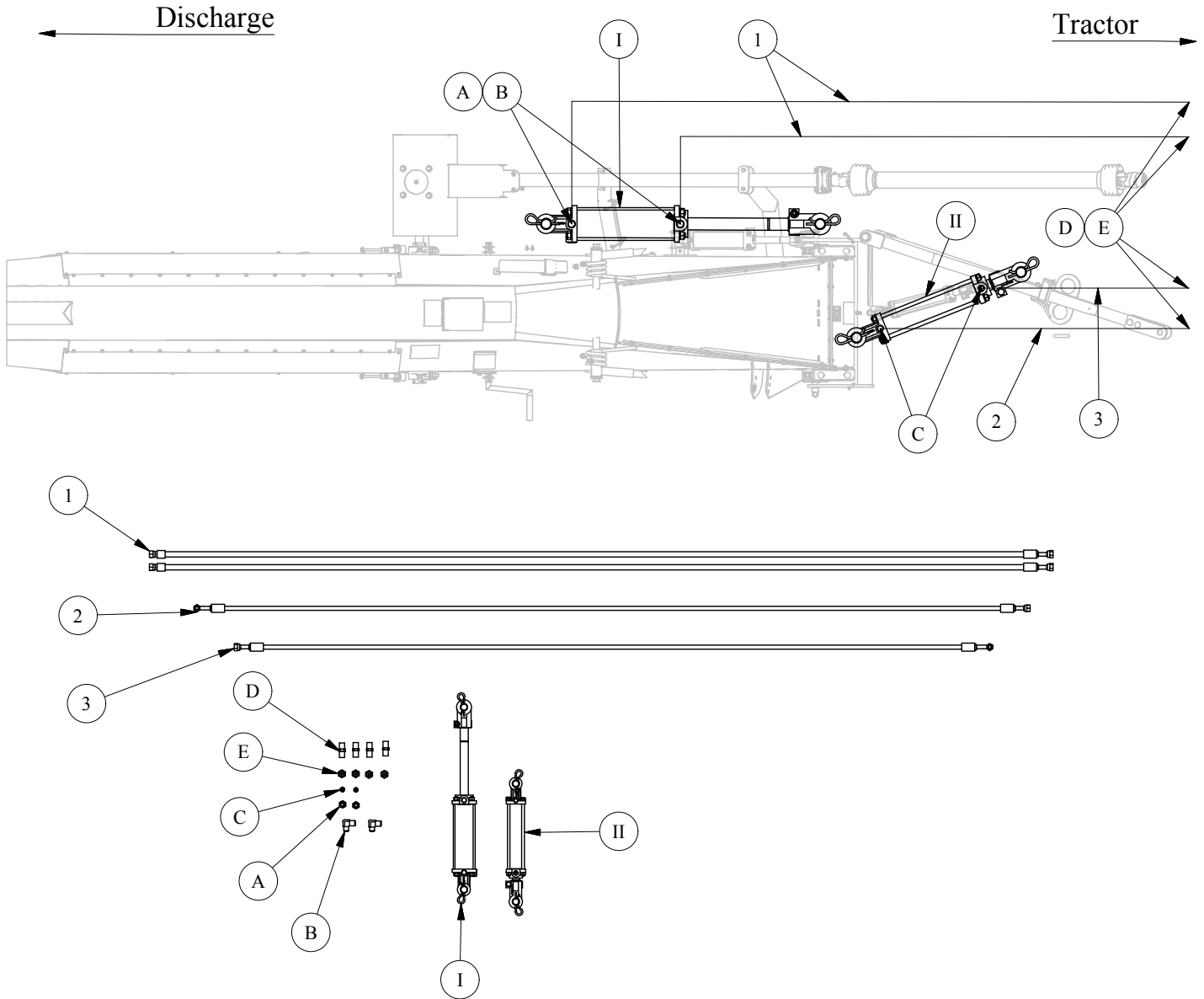
HYDRAULIC HOSE AND FITTING KIT - SWING CONVEYOR FOR NON SWING HITCH



PARTS LIST OF PN# 13000007263-00

REF #	PART #	QUANTITY	DESCRIPTION
1	13000007266-00	1	Hydraulic Hose-1/2" x 96" c/w Fittings
2	13000007267-00	1	Hydraulic Hose-1/2" x 384" c/w Fittings
3	13000006465-00	1	Hydraulic Hose-1/2" x 18.5" c/w Fittings
4	13000006466-00	1	Hydraulic Hose 1/2" x 35" c/w Fittings
5	13000006495-00	1	Hydraulic Hose - 1/2" x 21" c/w Fittings
6	13000006464-00	1	Hydraulic Hose - 1/2" x 17" c/w Fittings
7	13000006022-00	5	Clamp - Neoprene 1/2" x 3/4"
8	13000006021-00	4	Clamp - Neoprene 1/2" x 5/8"
9	13000007308-00	1	Bolt Bag - Hyd Kit - SW20-15
A	13000006480-00	2	Fitting - Hydraulic (8MP-8MJ-90)
B	13000042150-00	3	Fitting - Hydraulic (10MB - 8MJ)
C	13000006477-00	1	Fittings Hydraulic (8MP - 8MJ)
D	13000006496-00	1	Fittings-Hydraulic (8MB-8MJ)
E	13000007685-00	1	Fitting - Hydraulic (10MB-8MP-90)
F	13000042140-00	2	Fitting - Hydraulic (8MB-8MJ-90)
I	13000006140-00	1	Flow Control - FCR51-1/2
II	13000006395-00	1	Motor - Hyd 2.8 Disp 4 Bolt
III	13000006540-00	1	Check Valve - In-Line
IV	13000007583-00	1	Valve - 1 Spool

HYDRAULIC HOSE AND FITTING LAYOUT - EPTO w/o SWING CONVEYOR, c/w SWING HITCH



PARTS LIST OF PN# 13000007903-00			
REF #	PART #	QUANTITY	DESCRIPTION
1	13000006475-00	2	Hydraulic Hose-1/2" x 136" c/w Fittings
2	13000006473-00	1	Hydraulic Hose-3/8" x 124" c/w Fittings
3	13000006472-00	1	Hydraulic Hose-3/8" x 112" c/w Fittings
A	13000006488-00	2	Fittings-Hydraulic (8MP-8FPX) 1/32 RESTRICTOR
B	13000006480-00	2	Fitting - Hydraulic (8MP-8MJ-90)
C	13000007566-00	2	Fittings-Hydraulic (6MP-6MJ 1/32in RES)
D	13000042210-00	4	8MP-8MP - Fitting
E	13000006481-00	4	Fittings-Hydraulic (Quick Cup 8FP)
I	13000006399-00	1	Hydraulic Cylinder HYS 30AGU8 ASAE
II	13000006404-00	1	Hydraulic Cylinder HYS 20AGU8

FINAL CHECK AND TESTING

INITIAL CONVEYOR ASSEMBLY

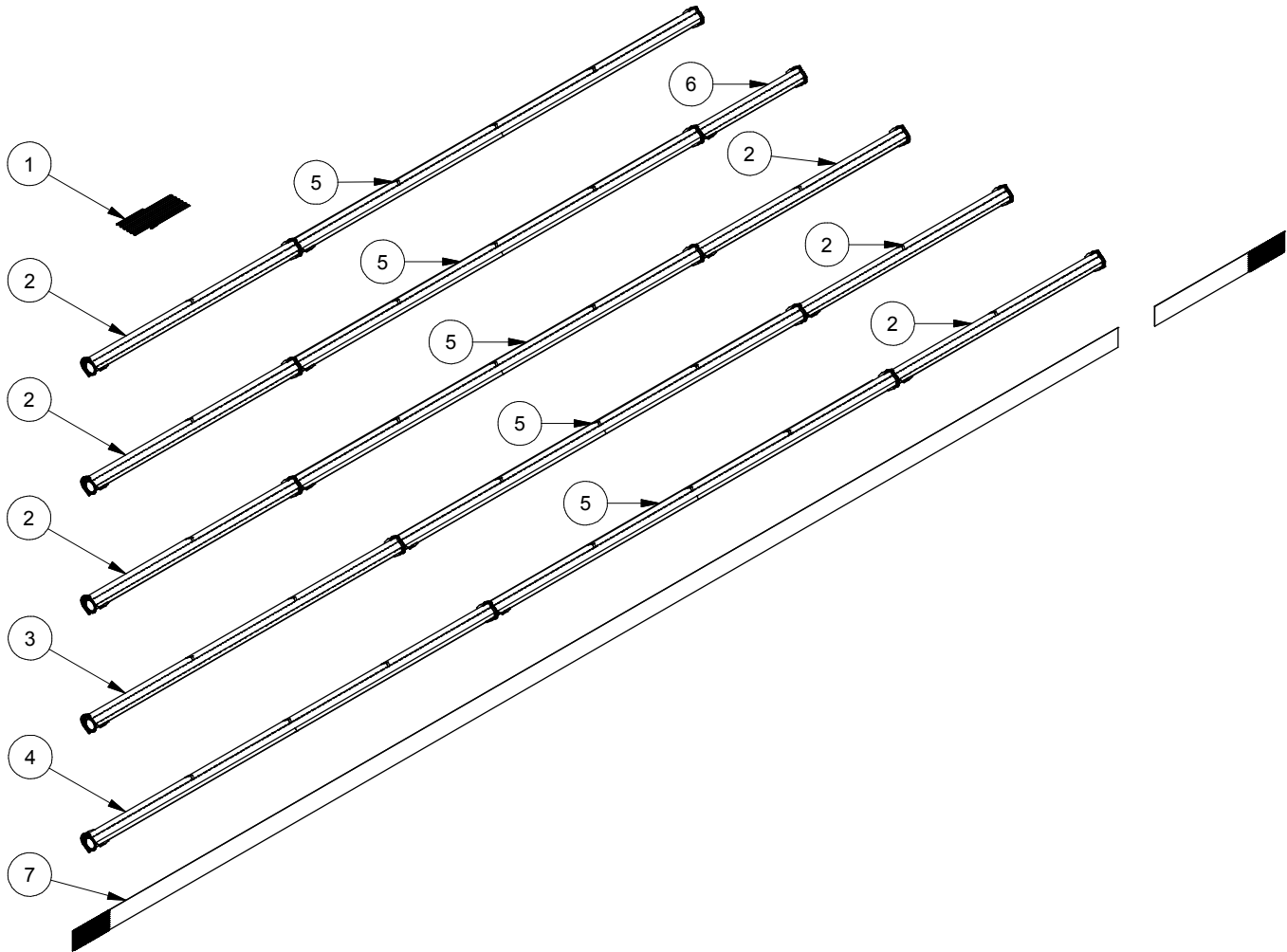
Meridian Reliabelt Conveyors come fully assembled. A minimum amount of tools are required to check the conveyor before the first use, but no assembly is required. Complete the Final Check and Testing in the next section to ensure all fasteners are tight and the conveyor assembly is ready to use.

CHECKLIST

All line items must be able to have the “Yes” column checked. If the line refers to an option that is not on the conveyor being tested, then “n/a” is to be placed on that line.

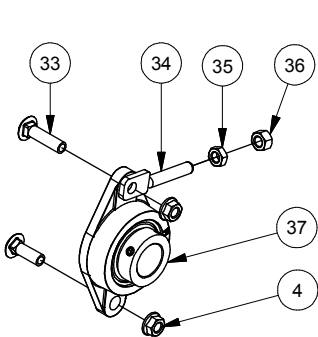
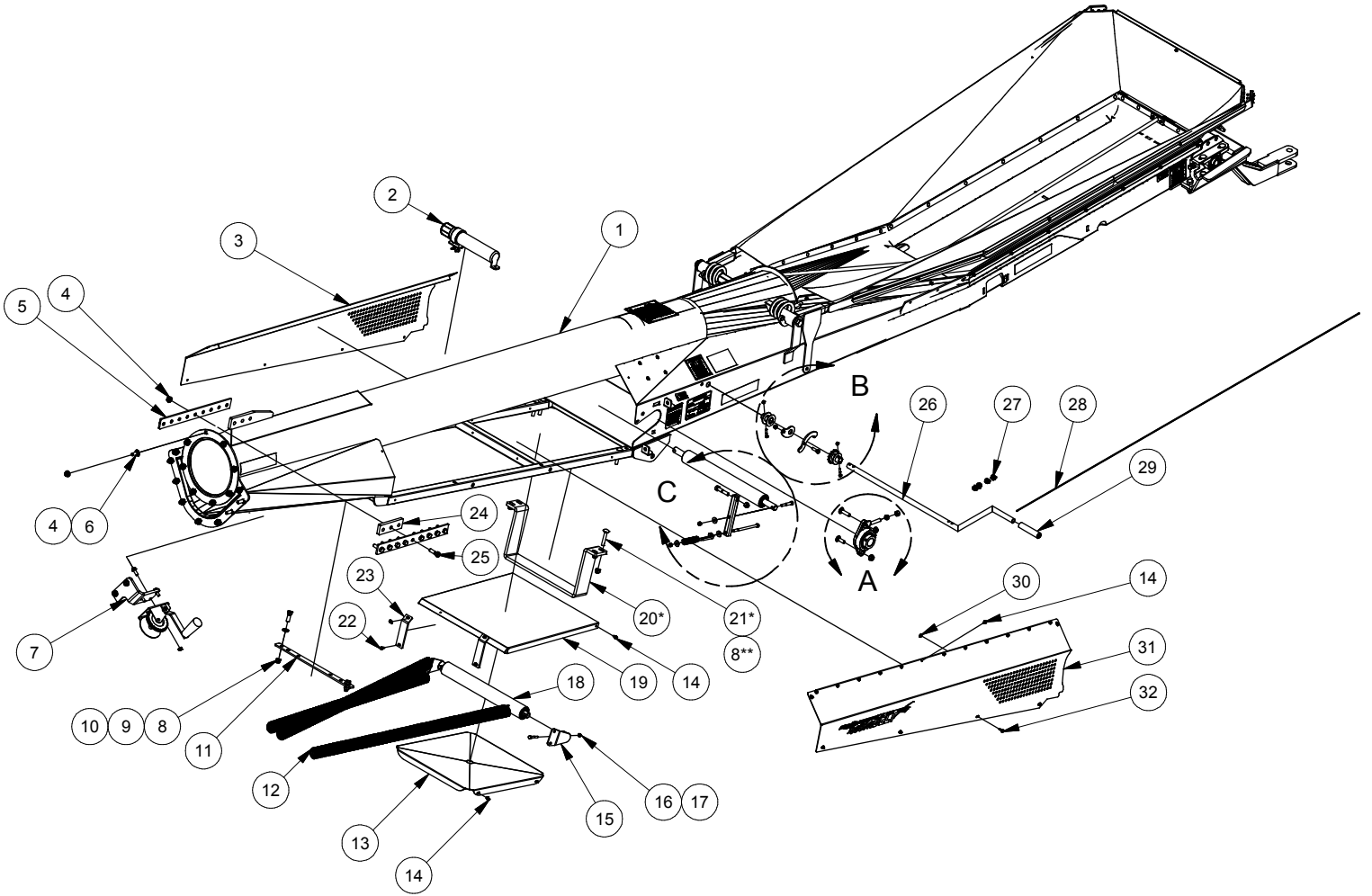
Item to Check	Yes	No
Belt guide is in place.		
Scraper is in place.		
All covers/shields are in place.		
Conveyor belt tracks in the center of the roller.		
Conveyor belt tension is correct.		
Drive belt tension is correct.		
Hopper canvas is in place.		
Lift frame will raise/lower conveyor properly.		
Electric drive motor functions properly.		
Conveyor belt operates in the proper direction (electric motor option).		
Touch up paint is applied where needed.		
All hazard labels are attached.		
Tires are properly inflated.		

TUBES, BELT, & CABLE ASSEMBLY

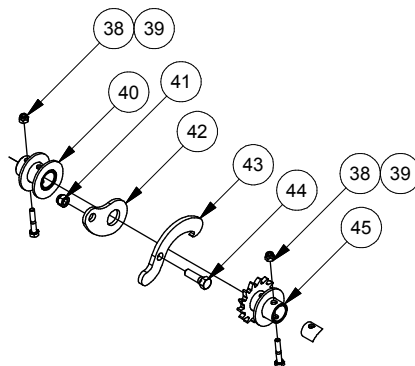


MERIDIAN RELIABELT 20-80 • 20-90 • 20-100 • 20-110 • 20-120			
REF #	PART #	QUANTITY	DESCRIPTION
1	13000007005-00 13000007143-00 13000006695-00 13000006967-00 13000006695-00	1	Cable - c/w Eye & Clamps 20-80 Cable - c/w Eye & Clamps 20-90 Cable - c/w Eye & Clamps 20-100 Cable - c/w Eye & Clamps 20-110 Cable - c/w Eye & Clamps 20-120
2	13000005586-00	varies	Tube 20' - Red
3	13000005670-00	varies	Tube 30' - Red
4	13000005588-00	varies	Tube 39' Angle - Red
5	13000005590-00	varies	Tube 39' Track - Red
6	13000005584-00	varies	Tube - 10' Red
7	13000007003-00 13000007527-00 13000007004-00 13000007559-00 13000006396-00 13000007812-00 13000006397-00 13000007813-00 13000006398-00 13000006130-00	1	Belt - Continuous Chevron 20-80 Belt - Continuous Chevron 20-80 Long Belt - Continuous Chevron 20-90 Belt - Continuous Chevron 20-90 Long Belt - Continuous Chevron 20-100 Belt - Continuous Chevron 20-100 Long Belt - Continuous Chevron 20-110 Belt - Continuous Chevron 20-110 Long Belt - Continuous Chevron 20-120 Belt - Continuous Chevron SW20-15

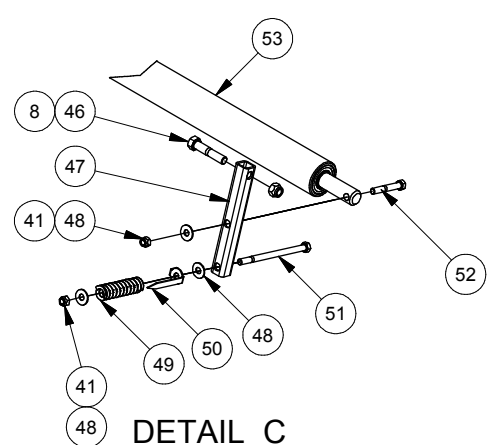
LONG/SHORT/EPTO INTAKE ASSEMBLY



DETAIL A



DETAIL B



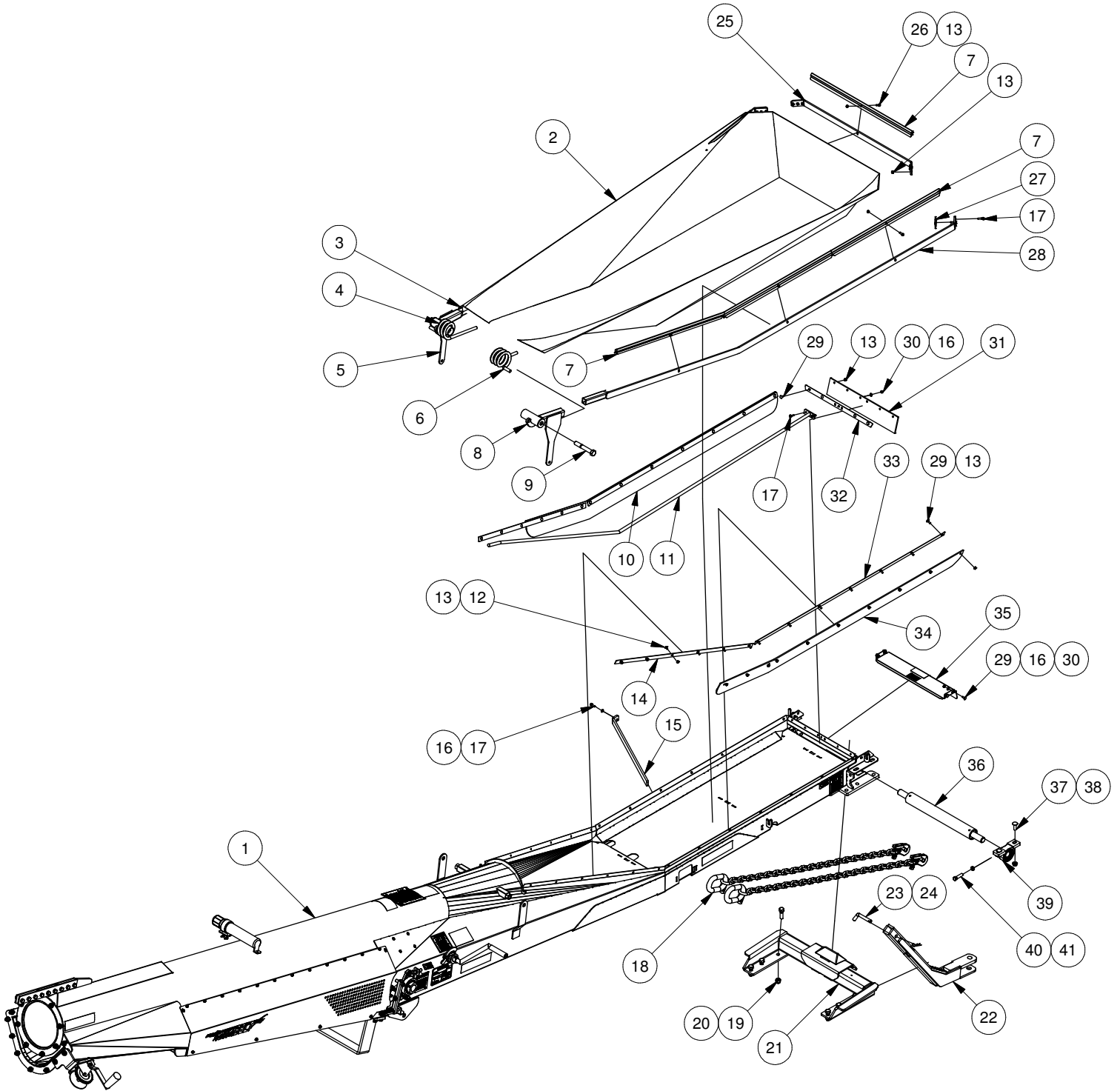
DETAIL C

* NOT INCLUDED ON EPTO OPTION
 **DECREASE QTY BY 4 ON EPTO OPTION

LONG INTAKE PARTS LIST

MERIDIAN RELIABELT 20-80 • 20-90 • 20-100 • 20-110 • 20-120			
REF #	PART #	QUANTITY	DESCRIPTION
1	13000005810-00 13000006872-00 13000006640-00	1	Intake L/P 5ft - Red Intake - Short - Red Intake - EPTO - Red
2	13000005049-00	1	Kit - Operators Manual Holder
3	13000005827-00	1	Cover - Intake RH Side - Grey
4	13073100008	30	NUT, HEX, FLANGED, Steel, Mild 1/2-13 UNC
5	13000005818-00	2	Plate - Brace Outside - Tube
6	13070908020	15	BOLT, CARRIAGE 1/2-13 UNC x 1.25 Steel, Mild
7	13000006693-00	1	Kit - Winch 800lb - EPTO
8	13073000008	8	NUT, HEX, NYLOCK 1/2-13 UNC Steel, Mild
9	13073600008	4	WASHER, FLAT 1/2
10	13070208024	2	BOLT, HEX, 1/2-13 UNC X 1.5 Steel, Mild
11	13000005835-00	1	Cross - Tie Bar - Slack Eliminator
12	13000005525-00	4	Spring - Slack Eliminator 1.72x27 160LB
13	13000005554-00	1	Guard Bottom - Roller - Grey
14	13070604008	36	SCREW, FLANGED, SELF-TAPPING 1/4-20 UNC X 0.5 Steel, Mild
15	13000005524-00	2	SE Cup - Grey
16	13073000005	2	Stover Locknut 5/16-18 Type C
17	13070205032	2	BOLT, HEX, 5/16-18 UNC X 2 Steel, Mild
18	13000005730-00	1	Roller - SE
19	13000005557-00	1	Guard Top - Roller - Grey
20	13000006848-00	1	Intake Riser
21	13070908044	4	BOLT, CARRIAGE 1/2-13 UNC x 2.75 Steel, Mild
22	13070604010	4	SCREW, FLANGED, SELF-TAPPING 1/4-20 UNC X 0.625 Steel, Mild
23	13000005555-00	2	Plated - ABF Mounting Bracket
24	13000005817-00	1	Plate - Spacer - Tube
25	13070208028	9	BOLT, HEX, 1/2-13 UNC X 1.75 Steel, Mild
26	13000005507-00	1	Crank - Cross - Intake - Grey
27	3-201-4109	4	Cable Clamp - 1/8 - roof lid
28	13000006030-00 13000007793-00	1	Short/Long Intake: Cable - Hopper 5/32-7 X 19 Wire Rope 98in EPTO Intake: Cable - Hopper 5/32-7 X 19 Wire Rope 84in
29	13000005805-00	1	Grip - Rubber Handle
30	13073600004	17	WASHER, FLAT 1/4
31	13000005829-00	1	Cover - Intake LH Side - Grey
32	13070704012	6	SCREW, FLANGED, SELF-TAPPING 1/4-20 UNC X 0.75 Steel, Mild
33	13070908032	2	BOLT, CARRIAGE 1/2-13 UNC x 2 Steel, Mild
34	13000005503-00	2	Adjuster Tab
35	13072700008	2	NUT, HEX, JAMB 1/2-13 UNC Steel, Mild
36	13072500008	2	NUT, HEX 1/2-13 UNC Steel, Mild
37	13000005789-00	2	Bearing c/w housing - 1 1/2" FL208
38	13072900004	2	NUT, HEX, NYLOCK 1/4-20 UNC Steel, Mild
39	13070204024	2	BOLT, HEX, 1/4-20 UNC X 1.5 Steel, Mild
40	13000006227-00	1	Crank - RH Sleeve - Grey
41	13073000006	5	NUT, HEX, NYLOCK 3/8-16 UNC Steel, Mild
42	13000006025-00	1	Washer - Crank - Intake
43	13000005982-00	1	Stop - Crank - Intake
44	13070206020	1	BOLT, HEX, 3/8-16 UNC X 1.25 Steel, Mild
45	13000006226-00	1	Crank - LH Sleeve - Grey
46	13070208040	2	BOLT, HEX, 1/2-13 UNC X 2.5 Steel, Mild
47	13000005516-00	2	Pinch Tube - Grey
48	13073500006	6	Flat Washer - 3/8 Yellow Zinc Plated
49	13000005523-00	2	Spring - Pinch
50	13000006084-00	2	Indicator - Roller Tension
51	13070206096	2	BOLT, HEX, 3/8-16 UNC X 6 Steel, Mild
52	13070206040	2	BOLT, HEX, 3/8-16 UNC X 2.5 Steel, Mild
53	13000005726-00	1	Roller - Pinch

LONG INTAKE HOPPER ASSEMBLY

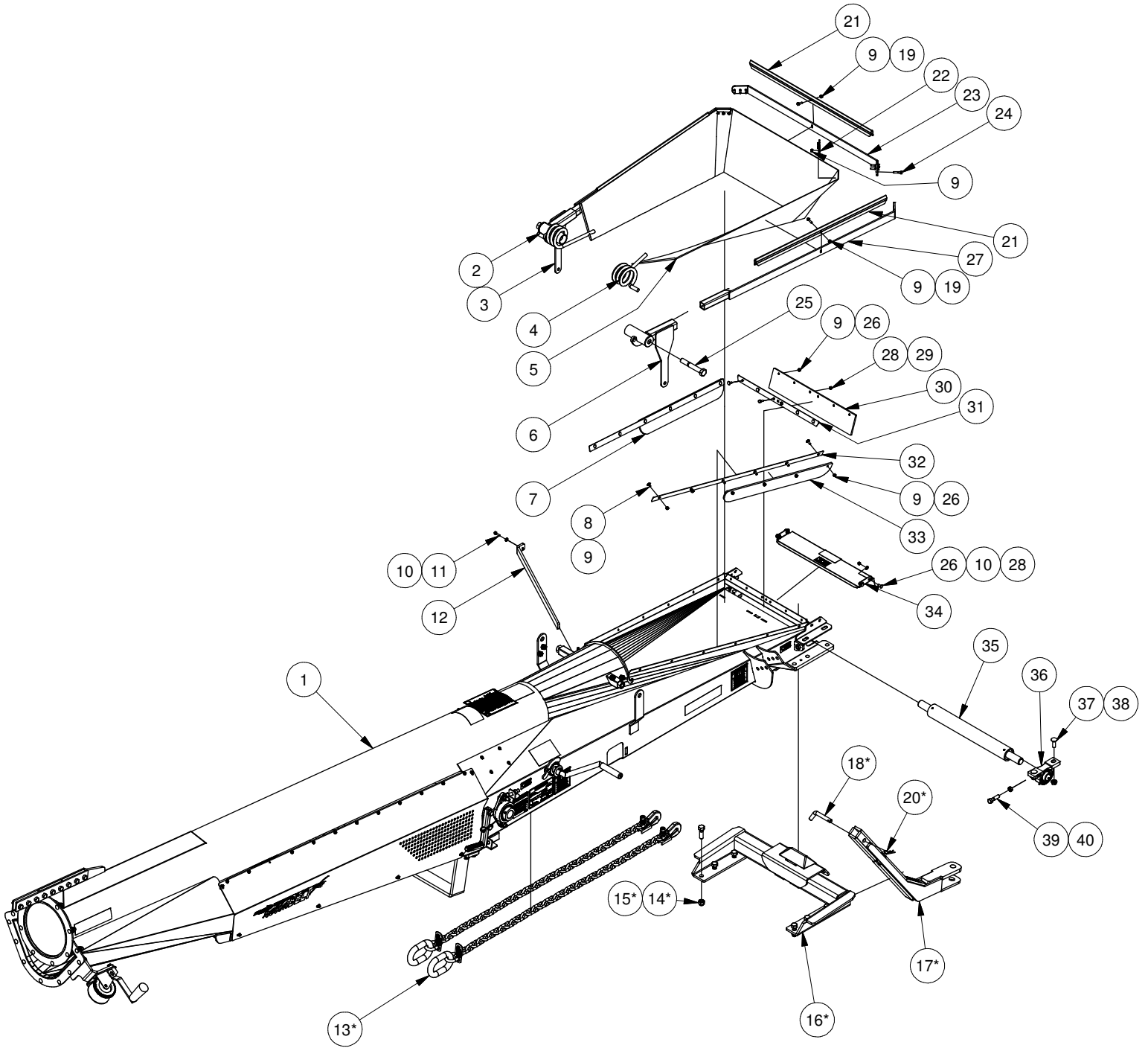


LONG INTAKE PARTS LIST

PARTS LIST OF PN# 20-80 • 20-90 • 20-100 • 20-110

REF #	PART #	QUANTITY	DESCRIPTION
1	13000005810-00	1	Intake L/P 5ft - Red
2	13000005690-00	1	CANVAS - HOPPER BT 60X36
3	13000005617-00	1	Hopper Hoop RH - Intake L/P 5' - Grey
4	13000005917-00	1	Spring - Hopper Right
5	13000005667-00	1	Pivot RH - Intake L/P 5' - Grey
6	13000005918-00	1	Spring - Hopper Left
7	13000005552-00	7	Hopper Clip-30 in
8	13000005665-00	1	Pivot LH - Intake L/P 5' - Grey
9	13070212080	2	BOLT, HEX, 3/4-10 UNC X 5 Steel, Mild
10	13000006071-00	1	Rubber- Intake Flashing RH- 5'
11	13000005675-00	1	Belt Depressor - Grey
12	13070904008	7	BOLT, CARRIAGE 1/4-20 UNC x 0.5 Steel, Mild
13	13073000004	43	NUT, HEX, NYLOCK1/4-20 UNC Steel, Mild
14	13000005539-00	2	Support - Canvas
15	13000005553-00	1	Scraper - Return - Intake
16	13073600004	17	WASHER, FLAT 1/4
17	13070204016	9	BOLT, HEX, 1/4-20 UNC X 1 Steel, Mild
18	13000003783-00	2	Chain
19	13073000010	6	NUT, HEX, NYLOCK5/8-11 UNC Steel, Mild
20	13070210032	6	BOLT, HEX, 5/8-11 UNC X 2 Steel, Mild
21	13000007189-00	1	Hitch - HD - Grey
22	13000007170-00	1	Drawbar -HD - Grey
23	13000001646-00	1	Bent Pull Pin 5/8" x 3"
24	13073902040	1	1/8" x 2 1/2" Hair Pin
25	13000005537-00	1	Arm - Cross - Canvas
26	13070204014	7	BOLT, HEX, 1/4-20 UNC X 0.875 Steel, Mild
27	13000006923-00	2	Plate - Canvas Corner
28	13000005616-00	1	Hopper Hoop LH - Intake L/P 5' - Grey
29	13070904012	27	BOLT, CARRIAGE 1/4-20 UNC x 0.75 Steel, Mild
30	13072500004	7	NUT, HEX 1/4-20 UNC Steel, Mild
31	13000006569-00	1	Rubber-Hopper Flashing End-Intake 5'
32	13000005556-00	1	Plated - 20" Canvas Support
33	13000005538-00	2	Hopper Flashing Strip
34	13000006051-00	1	Rubber - Hopper Flashing - Intake 5'
35	13000006335-00	1	Shield - Bottom Roller - Grey
36	13000005727-00	1	Roller - Bottom
37	13070908024	8	BOLT, CARRIAGE 1/2-13 UNC x 1.5 Steel, Mild
38	13073100008	4	NUT, HEX, FLANGED, Steel, Mild 1/2-13 UNC
39	13000005740-00	2	Bearing c/w Housing - 1 1/4" P206
40	13071508032	2	BOLT, HEX, 1/2-13 UNC X 2 Fully threaded
41	13072700008	4	NUT, HEX, JAMB 1/2-13 UNC Steel, Mild

EPTO/SHORT INTAKE HOPPER ASSEMBLY



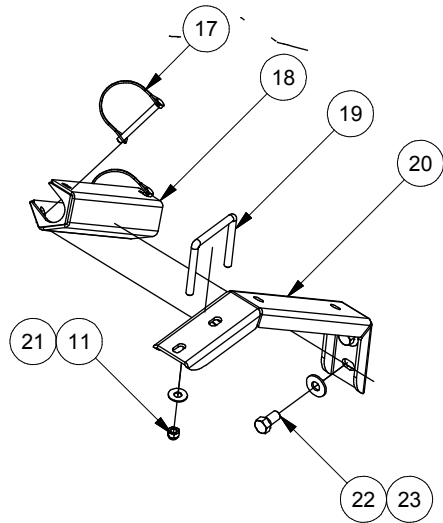
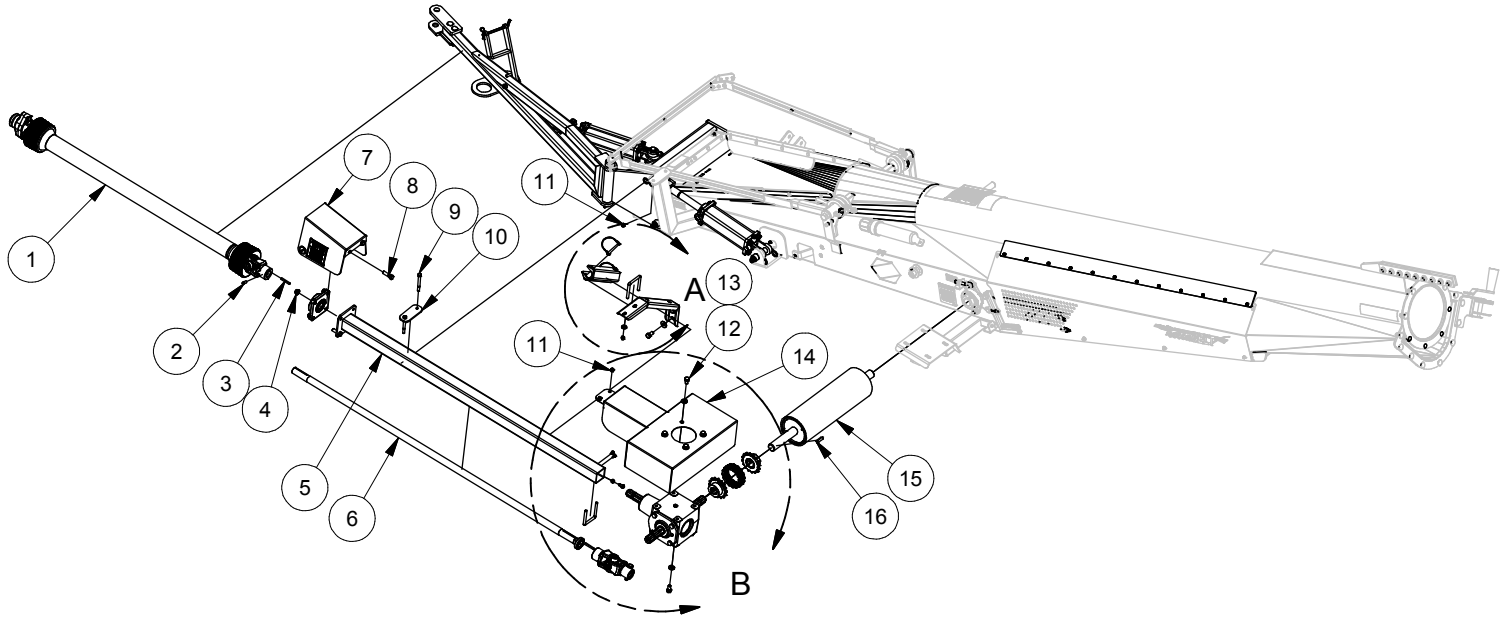
* NOT USED ON EPTO OPTION. SEE EPTO ASSEMBLY ON PAGE D9 FOR SWING HITCH ASSEMBLY

EPTO/SHORT INTAKE PARTS LIST

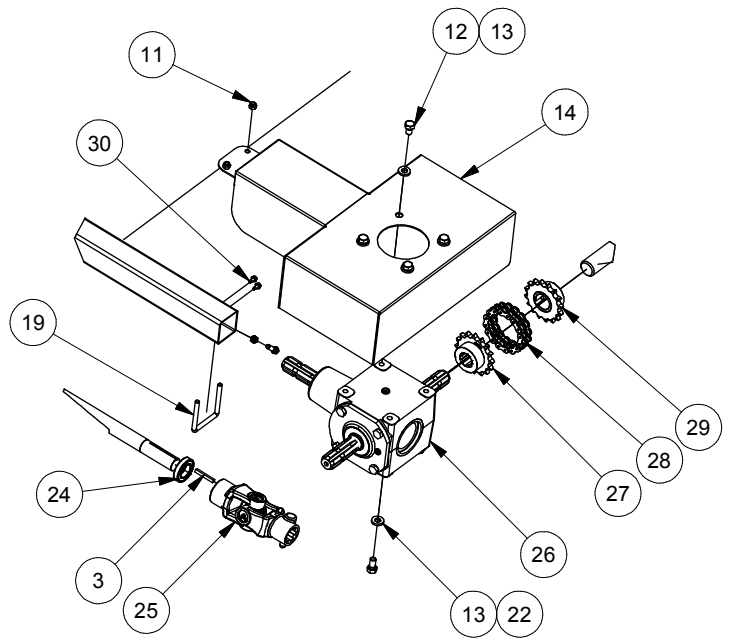
PARTS LIST OF PN# 20-80 • 20-90 • 20-100 • 20-110 • 20-120

REF #	PART #	QUANTITY	DESCRIPTION
1	13000006872-00 13000006640-00	1	Intake Short - Red Intake EPTO - Red
2	13000005917-00	1	Spring - Hopper Right
3	13000005667-00 13000007771-00	1	Short: Pivot RH - Intake L/P 5' - Grey EPTO: Pivot RH - Intake - Grey
4	13000005918-00	1	Spring - Hopper Left
5	13000006798-00	1	Canvas - Hopper - Short Intake
6	13000005665-00 13000007770-00	1	Short: Pivot LH - Intake L/P 5' - Grey EPTO: Pivot LH - Intake - Grey
7	13000006388-00	1	Rubber - Hopper Flashing RH
8	13070904008	4	BOLT, CARRIAGE 1/4-20 UNC x 0.5 Steel, Mild
9	13073000004	25	NUT, HEX, NYLOCK1/4-20 UNC Steel, Mild
10	13073600004	15	WASHER, FLAT 1/4
11	13070204016	1	BOLT, HEX, 1/4-20 UNC X 1 Steel, Mild
12	13000005553-00	1	Scraper - Return - Intake
13	13000003783-00	2	Chain
14	13070210032	6	BOLT, HEX, 5/8-11 UNC X 2 Steel, Mild
15	13073000010	6	NUT, HEX, NYLOCK5/8-11 UNC Steel, Mild
16	13000007189-00	1	Hitch - HD - Grey
17	13000007170-00	1	Drawbar -HD - Grey
18	13000001646-00	1	Bent Pull Pin 5/8" x 3"
19	13070204014	3	BOLT, HEX, 1/4-20 UNC X 0.875 Steel, Mild
20	13073902040	1	1/8" x 2 1/2" Hair Pin
21	13000005552-00	3	Hopper Clip-30 in
22	13000006923-00	2	Plate - Canvas Corner
23	13000005537-00	1	Arm - Cross - Canvas
24	13070204020	6	BOLT, HEX, 1/4-20 UNC X 1.25 Steel, Mild
25	13070212080	2	BOLT, HEX, 3/4-10 UNC X 5 Steel, Mild
26	13070904012	16	BOLT, CARRIAGE 1/4-20 UNC x 0.75 Steel, Mild
27	13000006372-00	2	Hopper Hoop - EPTO Grey
28	13072500004	6	NUT, HEX 1/4-20 UNC Steel, Mild
29	13070204012	2	BOLT, HEX, 1/4-20 UNC X 0.75 Steel, Mild
30	13000006569-00	1	Rubber-Hopper Flashing End-Intake 5'
31	13000005556-00	1	Plated - 20" Canvas Support
32	13000005539-00	2	Support - Canvas
33	13000006389-00	1	Rubber - Hopper Flashing LH
34	13000006335-00	1	Shield - Bottom Roller - Grey
35	13000005727-00	1	Roller - Bottom
36	13000005740-00	2	Bearing c/w Housing - 1 1/4" P206
37	13070908024	8	BOLT, CARRIAGE 1/2-13 UNC x 1.5 Steel, Mild
38	13073100008	4	NUT, HEX, FLANGED, Steel, Mild 1/2-13 UNC
39	13070208032	2	BOLT, HEX, 1/2-13 UNC X 2 Steel, Mild
40	13072700008	2	NUT, HEX, JAMB 1/2-13 UNC Steel, Mild

EPTO ASSEMBLY

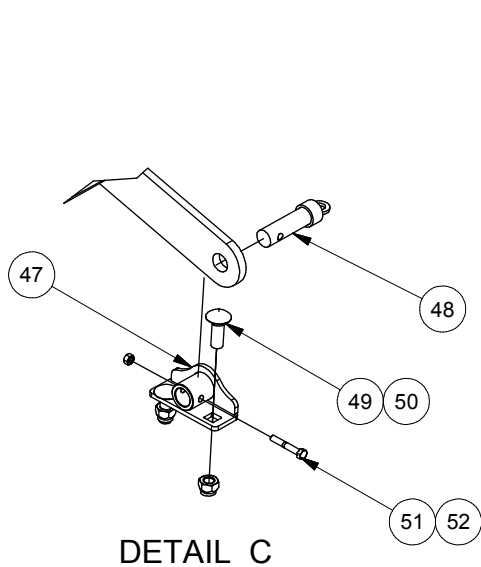
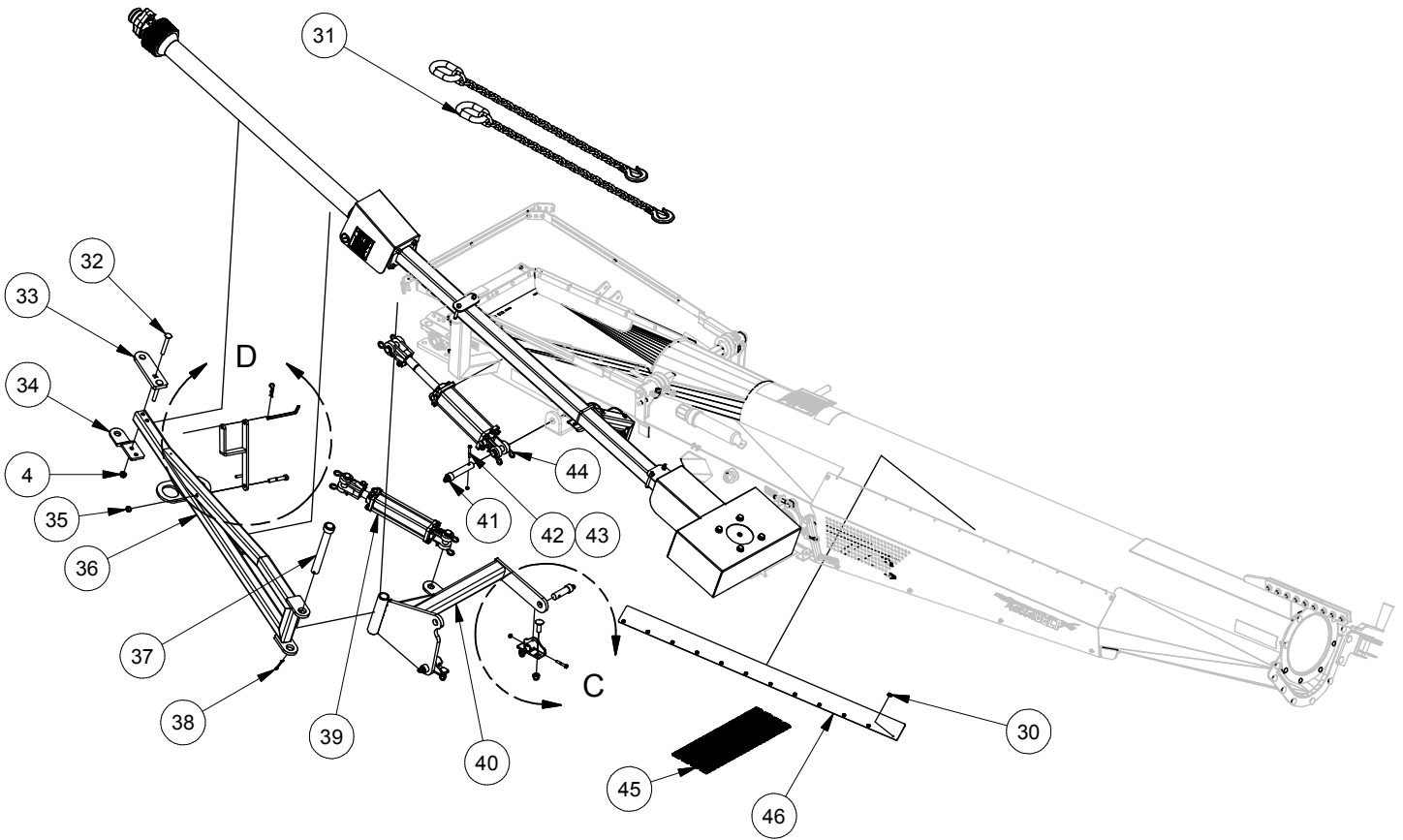


DETAIL A

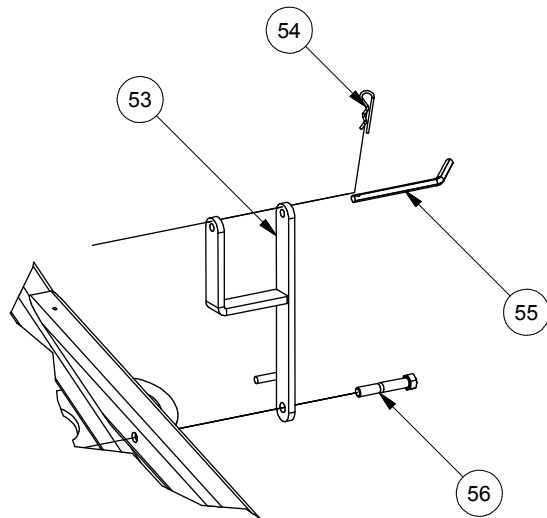


DETAIL B

EPTO ASSEMBLY



DETAIL C



DETAIL D

EPTO PARTS LIST

MERIDIAN RELIABELT 20-80 • 20-90 • 20-100 • 20-110 • 20-120			
REF #	PART #	QUANTITY	DESCRIPTION
1	13000005783-00	1	Shaft - PTO Driveline 14 Series
2	13074306012	2	Square Head Set Screw - Cup Point
3	13000006791-00	2	Key - 1/4 x 1/4 x 2
4	13073100008	40	NUT, HEX, FLANGED, Steel, Mild 1/2-13 UNC
5	13000006333-00	1	Tube - PTO Shaft - Grey
6	13000006323-00	1	Shaft - PTO
7	13000006959-00	1	Guard PTO - EPTO - Grey
8	13070208028	11	BOLT, HEX, 1/2-13 UNC X 1.75 Steel, Mild
9	13070206060	2	BOLT, HEX, 3/8-16 UNC X 3.75 Steel, Mild
10	13000006325-00	1	Clamp - PTO Shaft Top - Grey
11	13073000006	11	NUT, HEX, NYLOCK3/8-16 UNC Steel, Mild
12	13070208012	4	BOLT, HEX, 1/2-13 UNC X 0.75 Steel, Mild
13	13073600008	12	WASHER, FLAT 1/2
14	13000006648-00	1	Guard - Gear Box - Grey
15	13000006139-00	1	Roller - Drive 6 Inch Rubber
16	13000005173-00	1	Key - 3/8 x 3/8 x 1.5
17	13000007688-00	2	Pin - Locking 5/16 x 2.5 useable
18	13000006339-00	1	Stop - Cylinder - Grey
19	13000006681-00	2	U-Bolt - 3/8 x 2 3/4W x 3 1/4H
20	13000006385-00	1	Support - Drive Shaft - Grey
21	13073500006	8	Flat Washer - 3/8 Yellow Zinc Plated
22	13070208016	6	BOLT, HEX, 1/2-13 UNC X 1 Steel, Mild
23	13073500008	2	Washer, 1/2 - Regular - Type B Steel, Mild
24	13000006407-00	1	Bearing - R20-2RS
25	13000006786-00	1	U-Joint - 1 1/4 X 1 3/8 Spline
26	13000006400-00	1	Gearbox - 705 1.47:1
27	13000006176-00	1	Plate - 6 Spline - PTO
28	13000006656-00	1	Chain - 60-2R-16 c/w 1 Connector Link
29	13000006340-00	1	Plate - Sprocket - PTO Gear
30	13070604008	38	SCREW, FLANGED, SELF-TAPPING 1/4-20 UNC X 0.5 Steel, Mild

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EPTO PARTS LIST

MERIDIAN RELIABELT 20-80 • 20-90 • 20-100 • 20-110 • 20-120

REF #	PART #	QUANTITY	DESCRIPTION
31	13000007301-00	2	Chain - Safety 3/8 x 36" c/w Loop
32	13070908064	2	BOLT, CARRIAGE 1/2-13 UNC x 4 Steel, Mild
33	13000005812-00	1	Plate - Drawbar - Top
34	13000006322-00	1	Plate - Drawbar - Bottom
35	13072500008	1	NUT, HEX 1/2-13 UNC ZINC PLATED
36	13000006170-00	1	Hitch - Hydraulic Arm - Grey
37	13000006326-00	1	Hitch - Joint Pin
38	13073706064	1	PIN, COTTER 3/16 x 2 Extended Prong Square Cut Type
39	13000006404-00	1	Hydraulic Cylinder HYS 20AGU8
40	13000006168-00	1	Hitch - Hydraulic Swing - Grey
41	13000006177-00	1	Pin Long - Hitch
42	13070204032	1	BOLT, HEX, 1/4-20 UNC X 2 Steel, Mild
43	13072500004	7	NUT, HEX 1/4-20 UNC Steel, Mild
44	13000006399-00	1	Hydraulic Cylinder HYS 30AGU8 ASAE
45	13000005920-00	1	Lacing - Alligator 20" c/w Pin - Box of 4
46	13000006387-00	2	Rubber - Side Covers
47	13000006180-00	2	Hitch - Swing Pivot - Grey
48	13000006175-00	2	Pin Short - Hitch
49	13070910028	4	BOLT, CARRIAGE 5/8-11 UNC x 1.75 Steel, Mild
50	13073000010	4	NUT, HEX, NYLOCK5/8-11 UNC Steel, Mild
51	13070205032	4	BOLT, HEX, 5/16-18 UNC X 2 Steel, Mild
52	13072500005	2	NUT, HEX 5/16-18 UNC Steel, Mild
53	13000006174-00	1	Holder - PTO Tube - Grey
54	13073902040	1	1/8" x 2 1/2" Hair Pin
55	13000006337-00	1	Pin - PTO Shaft - Grey
56	13070208048	1	BOLT, HEX, 1/2-13 UNC X 3 Steel, Mild

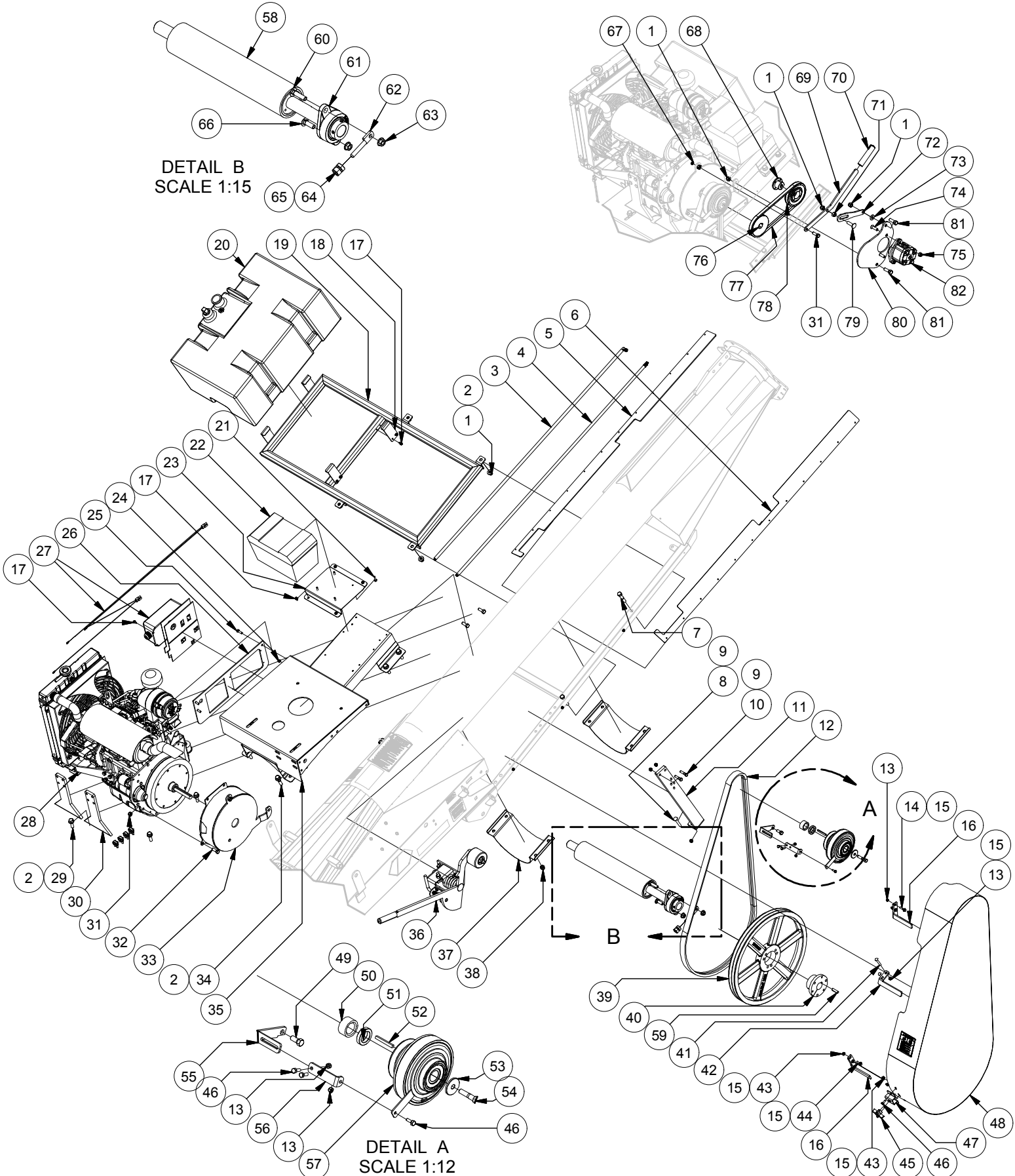
DUETZ DIESEL ENGINE PARTS LIST

MERIDIAN RELIABELT 20-80 • 20-90 • 20-100 • 20-110 • 20-120			
REF #	PART #	QUANTITY	DESCRIPTION
1	1300006891-00	1	Pump - Duetz Gear
2	13070110020	2	BOLT, HEX, M10 x 20mm
3	1300006883-00	1	Engine - Deutz - 60HP c/w feet
4	1300006862-00	1	Guard - Duetz Front - Plate
5	13073000008	12	NUT, HEX, NYLOCK1/2-13 UNC Steel, Mild
6	1300006877-00	1	Mount - Deutz Diesel Motor - Grey
7	13070604016	4	SCREW, FLANGED, SELF-TAPPING 1/4-28 UNF X 1 Steel, Mild
8	1300007226-00	1	Battery Box - Quick Cable 120171-001
9	1300005560-00	1	Battery Box Mount Plate - Grey
10	13070208044	4	BOLT, HEX, 1/2-13 UNC X 2.75 Steel, Mild
11	1300006172-00	2	Holder - Hydraulic Hose - Grey
12	13070604008	16	SCREW, FLANGED, SELF-TAPPING 1/4-20 UNC X 0.5 Steel, Mild
13	1300006870-00	1	Rubber - Side Cover LH - Diesel
14	1300006871-00	1	Rubber - Side Covers RH - Diesel
15	1300006954-00	1	Fuel Line Diesel - 2
16	1300006953-00	1	Fuel Line Diesel - 1
17	1300006960-00	1	Tank - Fuel 22 Gallon
18	1300006884-00	1	Mount - Tank Diesel - Grey
19	1300006665-00	4	Tank - Diesel Tie Down
20	13073000006	4	NUT, HEX, NYLOCK3/8-16 UNC Steel, Mild
21	13070206024	2	BOLT, HEX, 3/8-16 UNC X 1.5 Steel, Mild
22	1300006603-00	1	Brace - Diesel Motor Mount
23	13073000004	7	NUT, HEX, NYLOCK1/4-20 UNC Steel, Mild
24	13070204020	2	BOLT, HEX, 1/4-20 UNC X 1.25 Steel, Mild
25	13073600004	14	WASHER, FLAT 1/4
26	1300005567-00	2	Belt Shield Brace 90
27	13070208072	4	BOLT, HEX, 1/2-13 UNC X 4.5 Steel, Mild
28	13073600008	12	WASHER, FLAT 1/2
29	1300006881-00	4	Motor Leg Bracket
30	13070208024	4	BOLT, HEX, 1/2-13 UNC X 1.5 Steel, Mild
31	13070206012	11	BOLT, HEX, 3/8-16 UNC X 0.75 Steel, Mild
32	1300006223-00	2	Clamp - 10" Tube - Grey
33	1300006673-00	1	Diesel - Control Panel Rear - Grey
34	13073400006	4	Helical Spring Lock Washers
35	13070206016	4	BOLT, HEX, 3/8-16 UNC X 1 Steel, Mild
36	13070906016	4	BOLT, CARRIAGE 3/8-16 UNC x 1 Steel, Mild
37	13072900006	4	NUT, HEX, NYLOCK3/8-16 UNC Steel, Mild
38	1300006873-00	1	Kit - Control Box -Diesel
39	13073000005	2	Stover Locknut 5/16-18 Type C
40	1300006919-00	1	Valve - 4 Spool Reverse
41	1300006675-00	1	Diesel - Control Panel Front - Grey
42	13070905040	2	BOLT, CARRIAGE 5/16-18 UNC x 2.5 Steel, Mild
43	1300006839-00	1	Assembly - Tensioner Diesel
44	13070906044	2	BOLT, CARRIAGE 3/8-16 UNC x 2.75 Steel, Mild
45	1300007139-00	1	Belt - 3BX107
46	1300007137-00	1	Belt Sheave OD 20.35 3B200 SF
47	13070206014	1	BOLT, HEX, 3/8-16 UNC X 0.875 Steel, Mild
48	1300005529-00	1	Bushing SFX 1 1/2 QD
49	13072500004	8	NUT, HEX 1/4-20 UNC Steel, Mild
50	13070204016	2	BOLT, HEX, 1/4-20 UNC X 1 Steel, Mild

DUETZ DIESEL ENGINE PARTS LIST

MERIDIAN RELIABELT 20-80 • 20-90 • 20-100 • 20-110 • 20-120			
REF #	PART #	QUANTITY	DESCRIPTION
51	1300005802-00	3	Handwheel - Plastic 3/8
52	13070204012	9	BOLT, HEX, 1/4-20 UNC X 0.75 Steel, Mild
53	13000007182-00	3	Bracket - Diesel Pulley Cover - Grey
54	13000007180-00	1	Cover - Diesel Pulley - Grey
55	13000006052-00	1	Bracket - Electric Clutch Pt 2
56	13000007255-00	1	Bracket - Electric Clutch Triple
57	13000042255-00	1	Collar Stepped
58	13070604008	10	SCREW, FLANGED, SELF-TAPPING 1/4-20 UNC X 0.5 Steel, Mild
59	13070208040	10	BOLT, HEX, 1/2-13 UNC X 2.5 Steel, Mild
60	13073600008	12	WASHER, FLAT 1/2
61	13072900008	8	NUT, HEX, NYLOCK1/2-13 UNC Steel, Mild
62	13000005173-00	1	Key - 3/8 x 3/8 x 1.5
63	13070908032	2	BOLT, CARRIAGE 1/2-13 UNC x 2 Steel, Mild
64	13000005789-00	2	Bearing c/w housing - 1 1/2" FL208
65	13000005503-00	2	Adjuster Tab
66	13073100008	34	NUT, HEX, FLANGED, Steel, Mild 1/2-13 UNC
67	13070908024	8	BOLT, CARRIAGE 1/2-13 UNC x 1.5 Steel, Mild
68	13072500008	2	NUT, HEX 1/2-13 UNC ZINC PLATED
69	13000042431-00	1	Purchase - Clutch - Groove Triple - Electric
70	13000042253-00	1	Bushing Beveled
71	13070207032	1	BOLT, HEX, 7/16-14 UNC X 2 Steel, Mild
72	13000006067-00	1	Bushing - Electric Clutch
73	13070904036	2	BOLT, CARRIAGE 1/4-20 UNC x 2.25 Steel, Mild
74	13000006635-00	1	Key - 1/4 x 1/4 x 2 1/4"
75	13000006060-00	1	Belt Shield Brace 45
76	13000006139-00	1	Roller - Drive 6 Inch Rubber

ISUZU DIESEL ENGINE ASSEMBLY



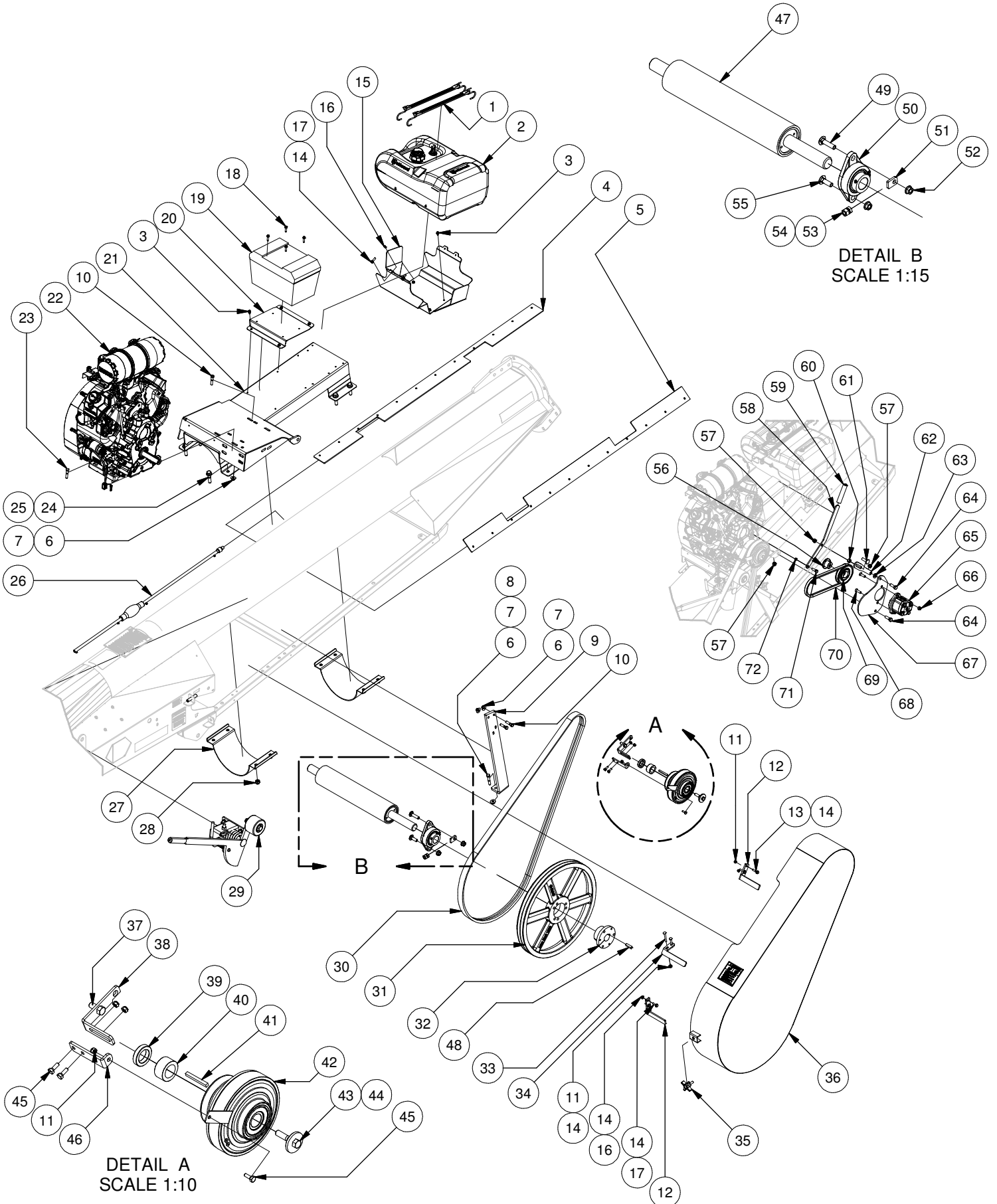
ISUZU DIESEL ENGINE PARTS LIST

MERIDIAN RELIABELT 20-80 • 20-90 • 20-100 • 20-110 • 20-120			
REF #	PART #	QUANTITY	DESCRIPTION
1	13073000008	11	NUT, HEX, NYLOCK1/2-13 UNC Steel, Mild
2	13073600008	16	WASHER, FLAT 1/2
3	13000006954-00	1	Fuel Line Diesel - 2
4	13000006953-00	1	Fuel Line Diesel - 1
5	13000006871-00	1	Rubber - Side Covers RH - Diesel
6	13000006870-00	1	Rubber - Side Cover LH - Diesel
7	13070208044	4	BOLT, HEX, 1/2-13 UNC X 2.75 Steel, Mild
8	13070906044	2	BOLT, CARRIAGE 3/8-16 UNC x 2.75 Steel, Mild
9	13073000006	4	NUT, HEX, NYLOCK3/8-16 UNC Steel, Mild
10	13070206024	2	BOLT, HEX, 3/8-16 UNC X 1.5 Steel, Mild
11	13000006603-00	1	Brace - Diesel Motor Mount
12	13000005906-00	1	V-Belt - 2B105 Banded
13	13073000004	7	NUT, HEX, NYLOCK1/4-20 UNC Steel, Mild
14	13070204020	2	BOLT, HEX, 1/4-20 UNC X 1.25 Steel, Mild
15	13073600004	14	WASHER, FLAT 1/4
16	13000005567-00	2	Belt Shield Brace 90
17	13070604008	16	SCREW, FLANGED, SELF-TAPPING 1/4-20 UNC X 0.5 Steel, Mild
18	13000006665-00	4	Tank - Diesel Tie Down
19	13000006884-00	1	Mount - Tank Diesel - Grey
20	13000006960-00	1	Tank - Fuel 22 Gallon
21	13070604016	4	SCREW, FLANGED, SELF-TAPPING 1/4-28 UNF X 1 Steel, Mild
22	13000007226-00	1	Battery Box - Quick Cable 120171-001
23	13000005560-00	1	Battery Box Mount Plate - Grey
24	13072500005	3	NUT, HEX 5/16-18 UNC Steel, Mild
25	13070205016	3	BOLT, HEX, 5/16-18 UNC X 1 Steel, Mild
26	13000006669-00	1	Diesel - Control Mount - Grey
27	13000006873-00	1	Kit - Control Box -Diesel
28	13000043248-00	1	Engine - Isuzu- Diesel-HP 37.8 Cylinder 3
29	13070208028	4	BOLT, HEX, 1/2-13 UNC X 1.75 Steel, Mild
30	13000005694-02	4	PLATE - ENGINE MOUNT LEG-A - ISUZU ENGINE KIT
31	13073000007	2	NUT, HEX, NYLOCK7/16-14 UNC Steel, Mild
32	13070207020	5	BOLT, HEX, 7/16-14 UNC X 1.25 Steel, Mild
33	13000006667-00	1	Diesel - Bell Housing - Grey
34	13070208036	8	BOLT, HEX, 1/2-13 UNC X 2.25 Steel, Mild
35	13000006601-00	1	Mount Diesel Motor Grey
36	13000006839-00	1	Assembly - Tensioner Diesel
37	13000006223-00	2	Clamp - 10" Tube - Grey
38	13072900008	8	NUT, HEX, NYLOCK1/2-13 UNC Steel, Mild
39	13000005528-00	1	Belt Sheave OD 20.35 2B200 SF
40	13000005529-00	1	Bushing SFX 11/2 QD
41	13070904036	2	BOLT, CARRIAGE 1/4-20 UNC x 2.25 Steel, Mild
42	13000006060-00	1	Belt Shield Brace 45
43	13072500004	8	NUT, HEX 1/4-20 UNC Steel, Mild
44	13070204016	2	BOLT, HEX, 1/4-20 UNC X 1 Steel, Mild
45	13000005802-00	3	Handwheel - Plastic 3/8
46	13070204012	9	BOLT, HEX, 1/4-20 UNC X 0.75 Steel, Mild
47	13000007182-00	3	Bracket - Diesel Pulley Cover - Grey
48	13000007180-00	1	Cover - Diesel Pulley - Grey
49	13070207016	1	BOLT, HEX, 7/16-14 UNC X 1 Steel, Mild
50	13000042253-00	1	Bushing Beveled

ISUZU DIESEL ENGINE PARTS LIST

MERIDIAN RELIABELT 20-80 • 20-90 • 20-100 • 20-110 • 20-120			
REF #	PART #	QUANTITY	DESCRIPTION
50	13000042253-00	1	Bushing Beveled
51	13000006065-00	1	Washer - Electric Clutch
52	13000006635-00	1	Key - 1/4 x 1/4 x 2 1/4"
53	13000042255-00	1	Collar Stepped
54	13070207032	1	BOLT, HEX, 7/16-14 UNC X 2 Steel, Mild
55	13000006052-00	1	Bracket - Electric Clutch Pt 2
56	13000005558-00	1	Bracket - Electric Clutch Pt 1
57	13000005743-00	1	Clutch - Ogura Electric
58	13000005728-00	1	Roller - 4" Drive
59	13000005173-00	1	Key - 3/8 x 3/8 x 1.5
60	13070908032	2	BOLT, CARRIAGE 1/2-13 UNC x 2 Steel, Mild
61	13000005789-00	2	Bearing c/w housing - 1 1/2" FL208
62	13000005503-00	2	Adjuster Tab
63	13073100008	34	NUT, HEX, FLANGED, Steel, Mild 1/2-13 UNC
64	13072500010	2	NUT, HEX 5/8-11 UNC Steel, Mild
65	13072700011	2	NUT, HEX, JAMB 5/8-11 UNC Steel, Mild
66	13070908024	10	BOLT, CARRIAGE 1/2-13 UNC x 1.5 Steel, Mild
67	13072700006	1	NUT, HEX, JAMB 3/8-16 UNC Steel, Mild
68	13000005532-00	1	Bushing SFX 5/8 (Hub) 20-45
69	13000005564-00	1	Plate RM Pump Lever A
70	13000005805-00	3	Grip - Rubber Handle
71	13072500008	1	NUT, HEX 1/2-13 UNC ZINC PLATED
72	13000005563-00	1	Plate Hydraulic Pump Adjuster
73	13073600008	1	WASHER, FLAT 1/2
74	13075507024	2	SCREW, HEX SOCKET FLAT COUNTERSUNK 7/16-14 UNC X 1.5 Steel, Mild
75	13072900007	2	NUT, HEX, NYLOCK 7/16-14 UNC Steel, Mild
76	13000006032-00	1	Sheave - BK45 FINISHED BORE 1 1/8"
77	13000005905-00 13000007927-00	1	V-Belt - B34 (Gas Engine) V-Belt - B32 (Isuzu Diesel Engine)
78	13000005530-00	1	Belt Sheave OD 4.95 BK52H
79	13070908028	1	BOLT, CARRIAGE 1/2-13 UNC x 1.75 Steel, Mild
80	13000005565-00	1	Mount - Hydraulic Pump - Grey
81	13070208024	2	BOLT, HEX, 1/2-13 UNC X 1.5 Steel, Mild
82	13000005901-00	1	Pump - Hydraulic Salami 6.5 GPM

GAS ENGINE ASSEMBLY



GAS ENGINE PARTS LIST

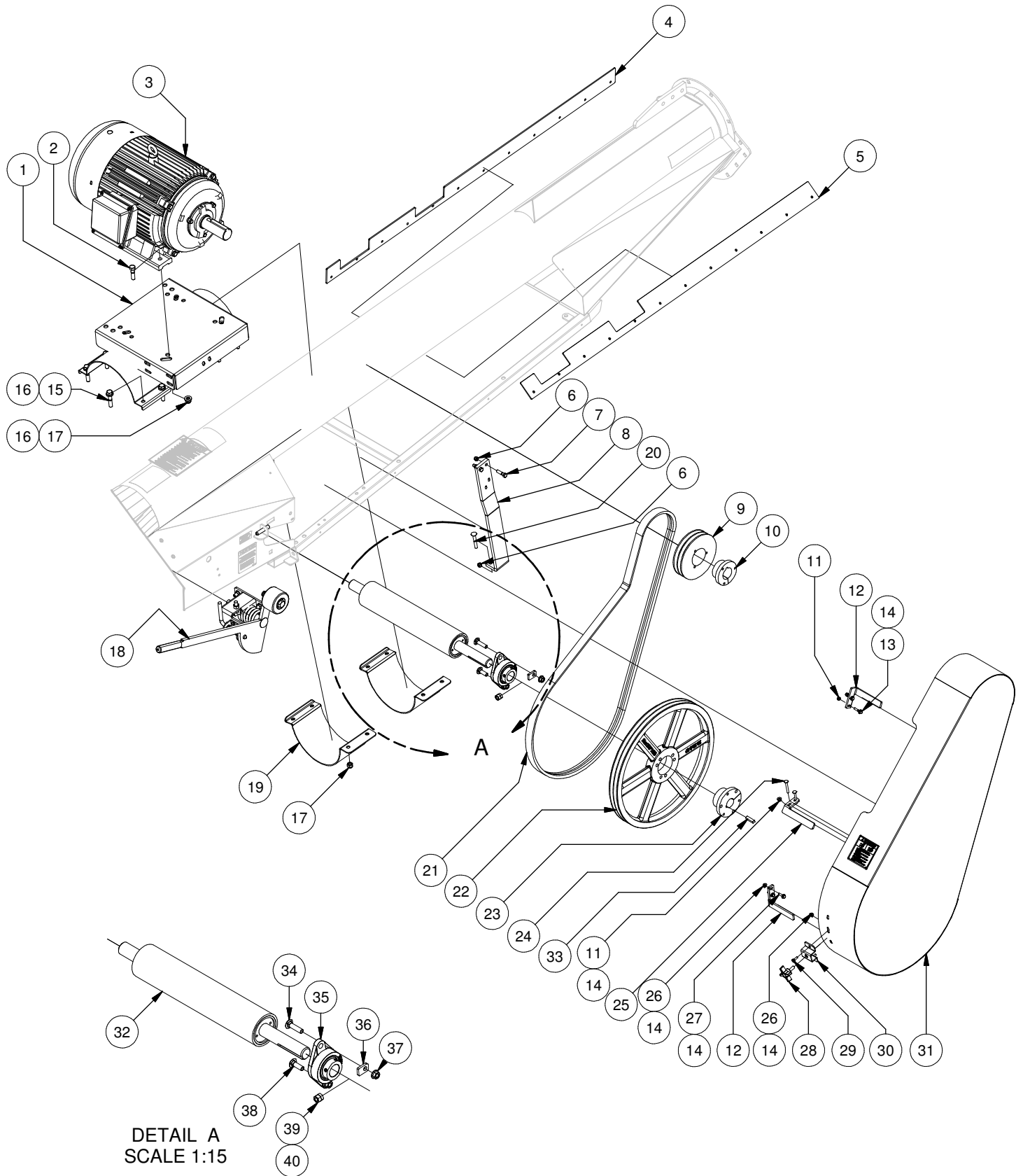
MERIDIAN RELIABELT 20-80 • 20-90 • 20-100 • 20-110 • 20-120			
REF #	PART #	QUANTITY	DESCRIPTION
1	13000005979-00	2	Snappi Hooker - 15" c/w 2 Hooks
2	13000005571-00	1	Tank - Fuel 6 Gallon
3	13070604008	12	SCREW, FLANGED, SELF-TAPPING 1/4-20 UNC X 0.5 Steel, Mild
4	13000006069-00	1	Cover - Rubber - LH
5	13000006070-00	1	Cover - Rubber - RH
6	13073000006	8	NUT, HEX, NYLOCK3/8-16 UNC Steel, Mild
7	13073500006	8	Flat Washer - 3/8 Yellow Zinc Plated
8	13070206036	2	BOLT, HEX, 3/8-16 UNC X 2.25 Steel, Mild
9	13000005559-00	1	Plated - Support Bracket
10	13070206024	3	BOLT, HEX, 3/8-16 UNC X 1.5 Steel, Mild
11	13073000004	7	NUT, HEX, NYLOCK1/4-20 UNC Steel, Mild
12	13000005567-00	2	Belt Shield Brace 90
13	13070204020	2	BOLT, HEX, 1/4-20 UNC X 1.25 Steel, Mild
14	13073600004	10	WASHER, FLAT 1/4
15	13000005561-00	1	Mount - Fuel Tank - Grey
16	13072500004	4	NUT, HEX 1/4-20 UNC Steel, Mild
17	13070204016	4	BOLT, HEX, 1/4-20 UNC X 1 Steel, Mild
18	13070604016	4	SCREW, FLANGED, SELF-TAPPING 1/4-28 UNF X 1 Steel, Mild
19	13000007226-00	1	Battery Box - Quick Cable 120171-001
20	13000005560-00	1	Battery Box Mount Plate - Grey
21	13000006224-00	1	Motor Mount - 10" Tube - Grey
22	130000042345-01	1	Kohler Engine CH980 - 35HP
23	13070206036	3	BOLT, HEX, 3/8-16 UNC X 2.25 Steel, Mild
24	13070208036	8	BOLT, HEX, 1/2-13 UNC X 2.25 Steel, Mild
25	13073600008	8	WASHER, FLAT 1/2
26	13000006085-00	1	Fuel Line - Assembly
27	13000006223-00	2	Clamp - 10" Tube - Grey
28	13072900008	8	NUT, HEX, NYLOCK1/2-13 UNC Steel, Mild
29	13000006247-00	1	Assembly - Tensioner
30	13000005906-00	1	V-Belt - 2B105 Banded
31	13000005528-00	1	Belt Sheave OD 20.35 2B200 SF
32	13000005529-00	1	Bushing SFX 11/2 QD
33	13070904036	2	BOLT, CARRIAGE 1/4-20 UNC x 2.25 Steel, Mild
34	13000006060-00	1	Belt Shield Brace 45
35	13000005802-00	3	Handwheel - Plastic 3/8
36	13000006059-00	1	Cover - Electric Clutch - Grey
37	13070207016	1	BOLT, HEX, 7/16-14 UNC X 1 Steel, Mild
38	13000006052-00	1	Bracket - Electric Clutch Pt 2
39	13000006065-00	1	Washer - Electric Clutch
40	13000006067-00	1	Bushing - Electric Clutch
41	13000006635-00	1	Key - 1/4 x 1/4 x 2 1/4"
42	13000005743-00	1	Clutch - Ogura Electric
43	13070207032	1	BOLT, HEX, 7/16-14 UNC X 2 Steel, Mild
44	13000006066-00	1	Washer - Step - Electric Clutch
45	13070204012	3	BOLT, HEX, 1/4-20 UNC X 0.75 Steel, Mild
46	13000005558-00	1	Bracket - Electric Clutch Pt 1
47	13000005728-00	1	Roller - 4" Drive
48	13000005173-00	1	Key - 3/8 x 3/8 x 1.5
49	13070908032	2	BOLT, CARRIAGE 1/2-13 UNC x 2 Steel, Mild
50	13000005789-00	2	Bearing c/w housing - 1 1/2" FL208
51	13000005503-00	2	Adjuster Tab
52	13073100008	34	NUT, HEX, FLANGED, Steel, Mild 1/2-13 UNC
53	13072500008	2	NUT, HEX 1/2-13 UNC ZINC PLATED
54	13072700008	4	NUT, HEX, JAMB 1/2-13 UNC Steel, Mild
55	13070908024	8	BOLT, CARRIAGE 1/2-13 UNC x 1.5 Steel, Mild

GAS ENGINE PARTS LIST

MERIDIAN RELIABELT 20-80 • 20-90 • 20-100 • 20-110 • 20-120			
REF #	PART #	QUANTITY	DESCRIPTION
56	13000005532-00	1	Bushing SFX 5/8 (Hub) 20-45
57	13073000008	3	Stover Locknut 1/2-13 Type C
58	13000005564-00	1	Plate RM Pump Lever A
59	13000005805-00	3	Grip - Rubber Handle
60	13072500008	1	NUT, HEX 1/2-13 UNC ZINC PLATED
61	13070908028	1	BOLT, CARRIAGE 1/2-13 UNC x 1.75 Steel, Mild
62	13000005563-00	1	Plate Hydraulic Pump Adjuster
63	13073600008	1	WASHER, FLAT 1/2
64	13070208024	2	BOLT, HEX, 1/2-13 UNC X 1.5 Steel, Mild
65	13000005901-00	1	Pump - Hydraulic Salami 6.5 GPM
66	13072900007	2	NUT, HEX, NYLOCK7/16-14 UNC Steel, Mild
67	13000005565-00	1	Mount - Hydraulic Pump - Grey
68	13075507024	2	SCREW, HEX SOCKET FLAT COUNTERSUNK 7/16-14 UNC X 1.5 Steel, Mild
69	13000005530-00	1	Belt Sheave OD 4.95 BK52H
70	13000005905-00	1	V-Belt - B34
71	13070207020	17	BOLT, HEX, 7/16-14 UNC X 1.25 Steel, Mild
72	13072700006	1	NUT, HEX, JAMB 3/8-16 UNC Steel, Mild

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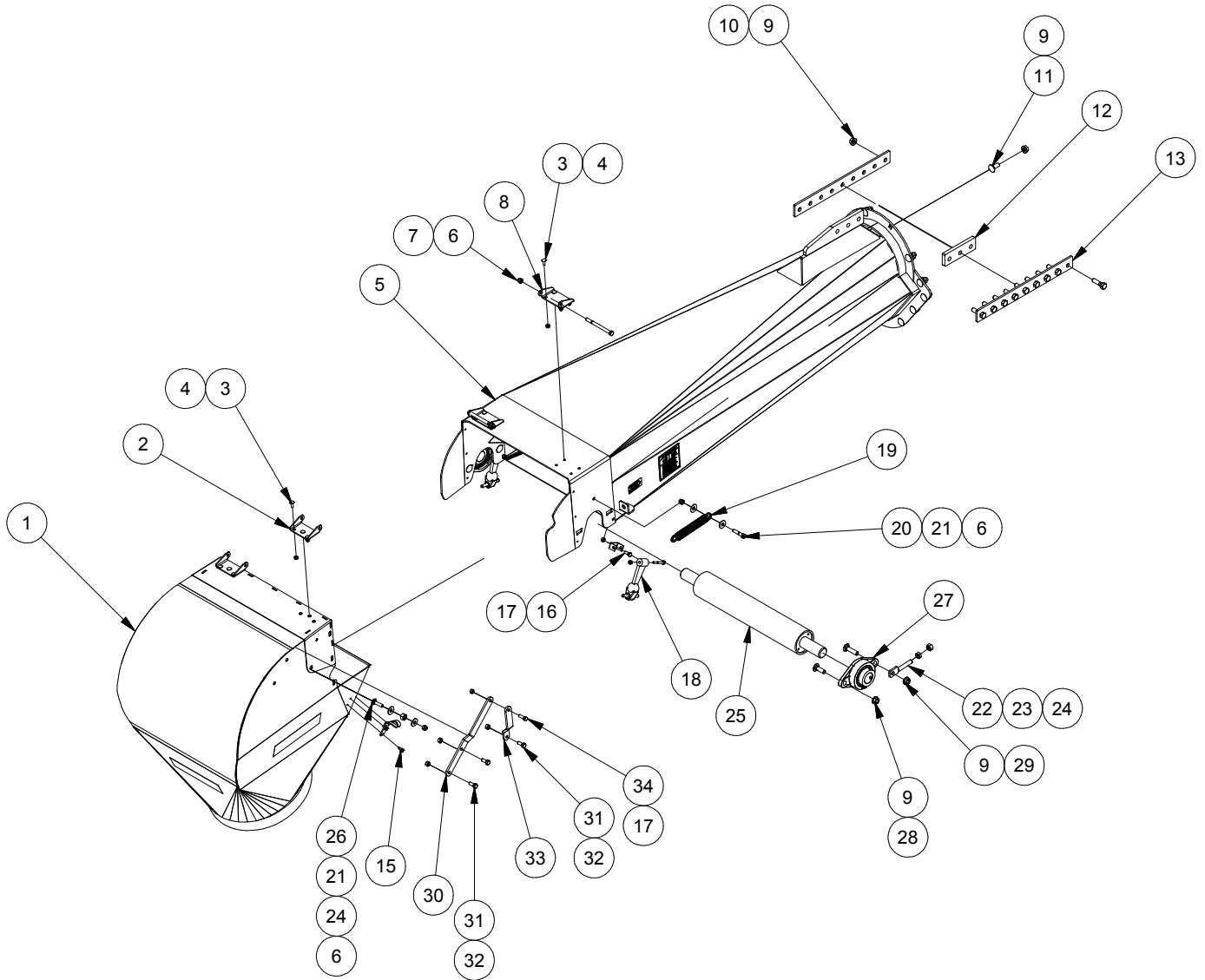
ELECTRIC MOTOR ASSEMBLY



ELECTRIC MOTOR PARTS LIST

MERIDIAN RELIABELT 20-80 • 20-90 • 20-100 • 20-110 • 20-120			
REF #	PART #	QUANTITY	DESCRIPTION
1	13000006719-00	1	Mount - Motor Electric - Grey
2	13070208032 13070210036	4	20-80/90/100/110 : BOLT, HEX, 1/2-13 UNC X 2 Steel, Mild 20-120 : BOLT, HEX, 5/8-11 UNC X 2.25 Steel, Mild
3	VARIES	1	Electric Motor
4	13000007621-00	1	Cover - Rubber - LH Electric
5	13000007620-00	1	Cover - Rubber - RH Electric
6	13073000006	4	NUT, HEX, NYLOCK3/8-16 UNC Steel, Mild
7	13070206024	2	BOLT, HEX, 3/8-16 UNC X 1.5 Steel, Mild
8	13000006713-00	1	Bracket - Electric Motor Mount
9	13000007362-00	1	Sheave - 2B70SK
10	13000007361-00 13000007619-00	1	20-80/90/100/110 : Bushing - SK 1 7/8 20-120 : Bushing - QD SK 1/8" Bore
11	13073000004	4	NUT, HEX, NYLOCK1/4-20 UNC Steel, Mild
12	13000005567-00	2	Belt Shield Brace 90
13	13070204020	2	BOLT, HEX, 1/4-20 UNC X 1.25 Steel, Mild
14	13073600004	14	WASHER, FLAT 1/4
15	13070208040	8	BOLT, HEX, 1/2-13 UNC X 2.5 Steel, Mild
16	13073600008 13073500010	12 4	20-80/90/100/110 : WASHER, FLAT 1/2 20-120 : WASHER, FLAT 5/8
17	13072900008 13073000010	12 4	20-80/90/100/110 : NUT, HEX, NYLOCK1/2-13 UNC Steel, Mild 20-120 : NUT, HEX, NYLOCK5/8-11 UNC Steel, Mild
18	13000006247-00	1	Assembly - Tensioner
19	13000005566-00	2	Tube Clamp - Grey
20	13070906044	2	BOLT, CARRIAGE 3/8-16 UNC x 2.75 Steel, Mild
21	13000007505-00 13000005906-00	1	20-80/90/100/110 : V-Belt - 2B103 Banded 20-120 : V-Belt - 2RB105 Banded
22	13000005528-00	1	Belt Sheave OD 20.35 2B200 SF
23	13000005529-00	1	Bushing SFX 1 1/2 QD
24	13070904036	2	BOLT, CARRIAGE 1/4-20 UNC x 2.25 Steel, Mild
25	13000006060-00	1	Belt Shield Brace 45
26	13072500004	8	NUT, HEX 1/4-20 UNC Steel, Mild
27	13070204016	2	BOLT, HEX, 1/4-20 UNC X 1 Steel, Mild
28	13000005802-00	3	Handwheel - Plastic 3/8
29	13070204012	6	BOLT, HEX, 1/4-20 UNC X 0.75 Steel, Mild
30	13000007182-00	3	Bracket - Diesel Pulley Cover - Grey
31	13000007300-00	1	Cover - Electric Clutch Diesel Grey
32	13000005728-00	1	Roller - 4" Drive
33	13000005173-00	1	Key - 3/8 x 3/8 x 1.5
34	13070908032	2	BOLT, CARRIAGE 1/2-13 UNC x 2 Steel, Mild
35	13000005789-00	2	Bearing c/w housing - 1 1/2" FL208
36	13000005503-00	2	Adjuster Tab
37	13073100008	34	NUT, HEX, FLANGED, Steel, Mild 1/2-13 UNC
38	13070908024	8	BOLT, CARRIAGE 1/2-13 UNC x 1.5 Steel, Mild
39	13072500008	2	NUT, HEX 1/2-13 UNC ZINC PLATED
40	13072700008	4	NUT, HEX, JAMB 1/2-13 UNC Steel, Mild

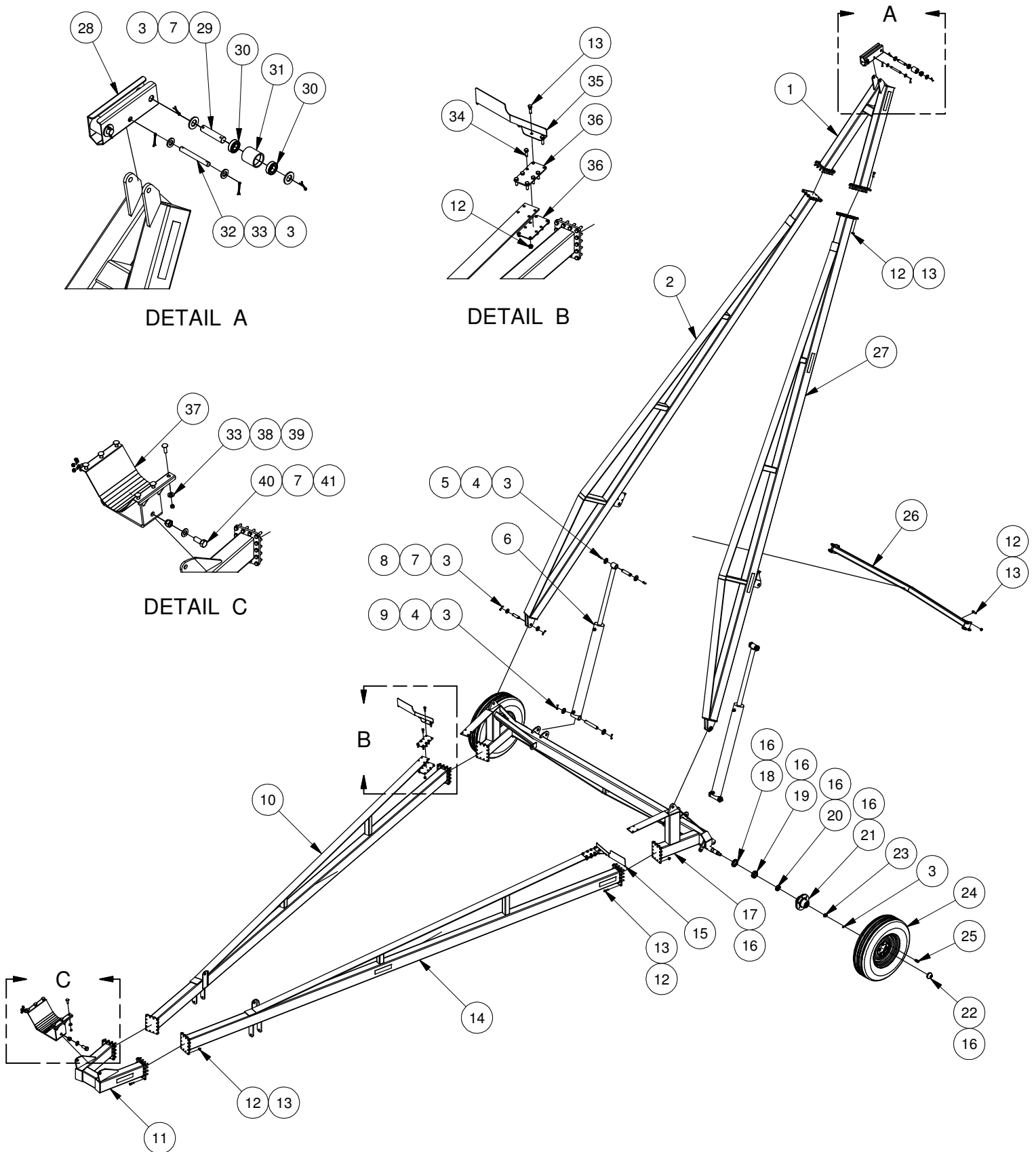
DISCHARGE ASSEMBLY



DISCHARGE PARTS LIST

MERIDIAN RELIABELT 20-80 • 20-90 • 20-100• 20-110 • 20-120			
REF #	PART #	QUANTITY	DESCRIPTION
1	13000005500-00	1	Discharge Spout - Red
2	13000005505-00	2	Hinge - Discharge Side
3	13070904012	14	Carriage Bolt 1/4-20 UNC x 0.75
4	13073100004	14	Hex Flanged Nut 1/4-20 UNC
5	13000005672-00	1	Discharge - Transition - Red
6	13072900006	4	Nylock Nut 3/8-16 UNC
7	13070206072	2	Hex Bolt 3/8-16 UNC X 4.5
8	13000005506-00	2	Hinge - Transition Side
9	13073100008	30	Hex Flanged Nut 1/2-13 UNC
10	13070208028	9	Hex Bolt 1/2-13 UNC X 1.75
11	13070908020	17	Carriage Bolt 1/2-13 UNC x 1.25
12	13000005817-00	1	Plate - Spacer - Tube
13	13000005818-00	2	Plate - Brace Outside - Tube
15	13070604008	4	Self Tapping Screw 1/4-20 UNC X 0.5 Steel, Mild
16	13070205012	2	Hex Bolt 5/16-18 UNC X 0.75
17	13072500005	3	Hex Nut 5/16-18 UNC
18	13000005824-00	2	Hood Catch - Discharge
19	13000005919-00	1	Spring - Extension 7"
20	13070206028	1	Hex Bolt 3/8-16 UNC X 1.75
21	13073600007	4	Washer 7/16
22	13000005503-00	2	Adjuster Tab
23	13072700008	2	Hex Jamb Nut 1/2-13 UNC
24	13072500008	3	Hex Nut 1/2-13 UNC
25	13000005721-00	1	Roller - Top
26	13070906024	1	BOLT, CARRIAGE 3/8-16 UNC x 1.5 Steel, Mild
27	13000005789-00	2	Bearing c/w housing - 1 1/2" FL208
28	13070908024	2	BOLT, CARRIAGE 1/2-13 UNC x 1.5 Steel, Mild
29	13070908032	2	BOLT, CARRIAGE 1/2-13 UNC x 2 Steel, Mild
30	13000005823-00	1	Arm Flat - Spout - Discharge
31	13070206014	3	BOLT, HEX, 3/8-16 UNC X 0.875 Steel, Mild
32	13072500006	3	NUT, HEX 3/8-16 UNC Steel, Mild
33	13000005607-00	1	ARM SPOUT HINGE
34	13070205016	1	BOLT, HEX, 5/16-18 UNC X 1 Steel, Mild

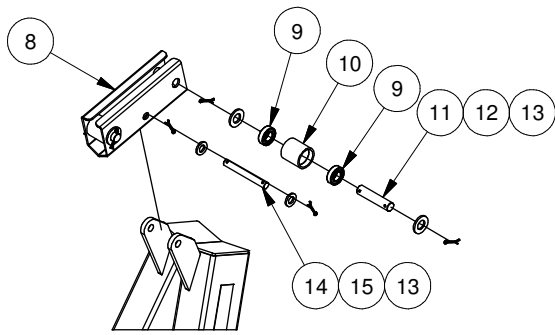
20-80/90 FRAME ASSEMBLY



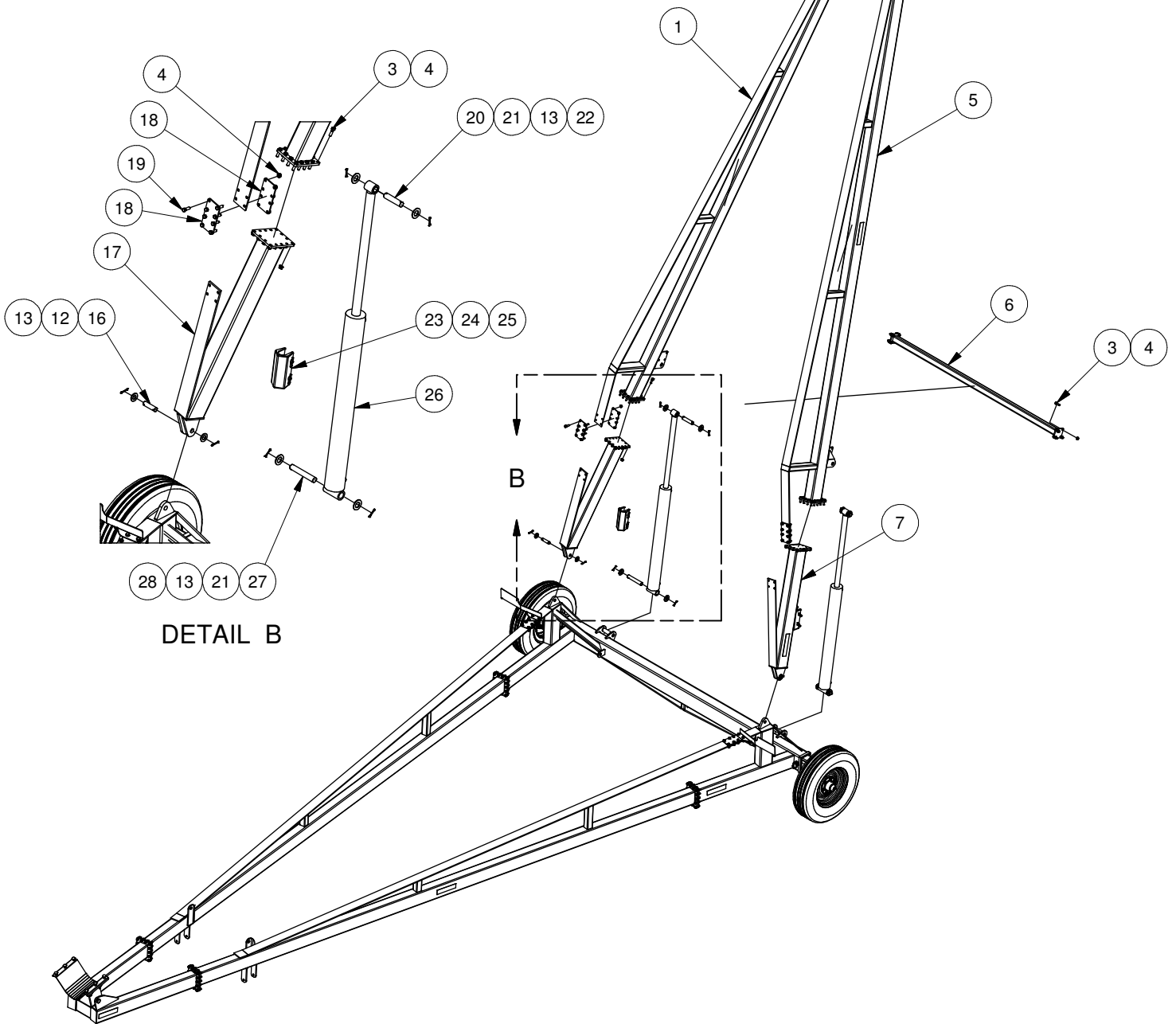
FRAME PARTS LIST

MERIDIAN RELIABELT 20-80 • 20-90			
REF #	PART #	QUANTITY	DESCRIPTION
1	13000006256-00	1	A Frame - End - Grey
2	13000006252-00	1	A Frame - LH Side - Grey
3	13073706056	20	Cotter Pin 3/16 x 1 3/4
4	13073600032	8	Flat SAE Washer 1 1/4
5	13000007315-00	2	Pin - 1.25 x 5.25
6	13000006500-00	2	Cylinder - HYS 40MAL40-10
7	13073600016	10	Flat SAE Washer 1
8	13000007317-00	2	Pin - 0.994 x 3.625
9	13000007316-00	2	Pin - 1.25 x 7.5
10	13000006248-00	1	Main Frame LH Side Grey
11	13000006241-00	1	Main Frame - End - Grey
12	13073100008	108	Flange Lock Nut 1/2-13 Gr 5
13	13070208028	96	Hex Cap Screw 1/2 x 1 3/4-13 Gr 5
14	13000006243-00	1	Main Frame RH Side Grey
15	13000006260-00	1	Holder RH - Safety Flag
16	130000011032-00	1	Axle c/w Hubs Main Frame Grey rBELT 80/90
17	13000006245-00	1	Axle - Main Frame - Grey
18	13000005793-00	2	Grease Seal
19	13000005792-00	2	Bearing - Roller Tapered (Inner)
20	13000005791-00	2	Bearing - Roller Tapered (Outer)
21	13000005790-00	2	Hub - 6 Bolt
22	13000005795-00	2	Dust Cap
23	13000005451-00	2	Castle Nut 1-14UNS
24	13000006671-00	2	Tire - ST235/80R16-10PL - Grey
25	13000005794-00	12	Wheel Bolt - .562-18UNF X 1.75
26	13000006235-00	1	Cross Brace - A Frame - Grey
27	13000006254-00	1	A Frame - RH Side - Grey
28	13000006165-00	1	Trolley - Grey
29	13000007312-00	2	Pin - Bearing - Trolley
30	13000005724-00	4	Bearing - 1" 16412RS
31	13000006321-00	2	Trolley - Roller
32	13000007314-00	1	Pin - 3/4 x 6
33	13073600012	8	Flat SAE Washer 3/4
34	13070208024	12	Hex Cap Screw 1/2 x 1 1/2-13 Gr 5
35	13000006261-00	1	Holder LH - Safety Flag
36	13000006239-00	4	Plate - Joint - Frame
37	13000006686-00	1	Cradle - 10" Large Conveyor - Grey
38	130-703-00010	6	5/8 - 18 NF Stover Locknut
39	13070910032	6	Carriage Bolt 5/8 x 2-11 Gr 5
40	13070216040	2	Hex Cap Screw 1 x 2 1/2-8 Gr 5
41	13072900016	2	Nylon Locknut 1-8 Gr 5

20-100/110 A-FRAME ASSEMBLY

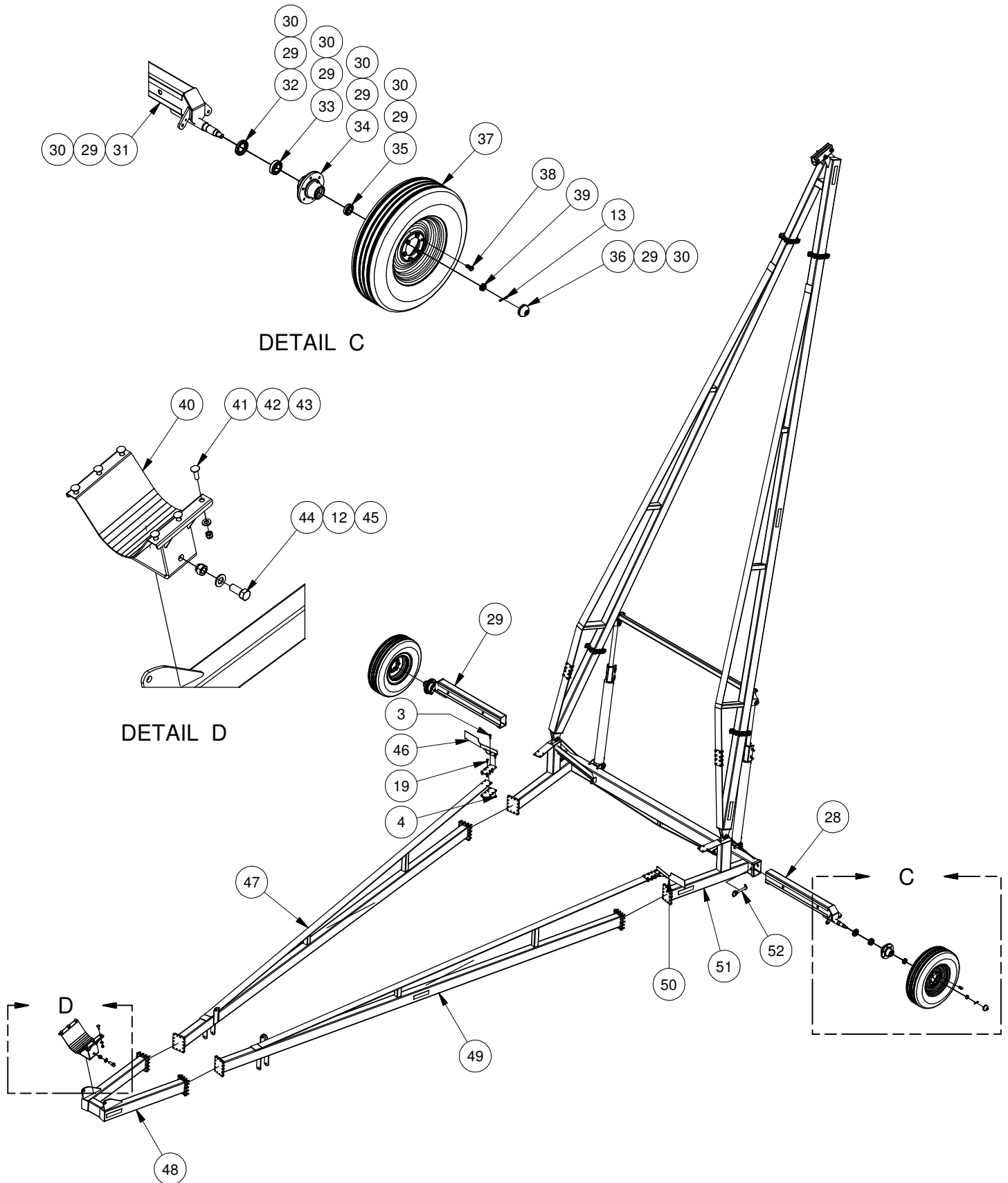


DETAIL A



DETAIL B

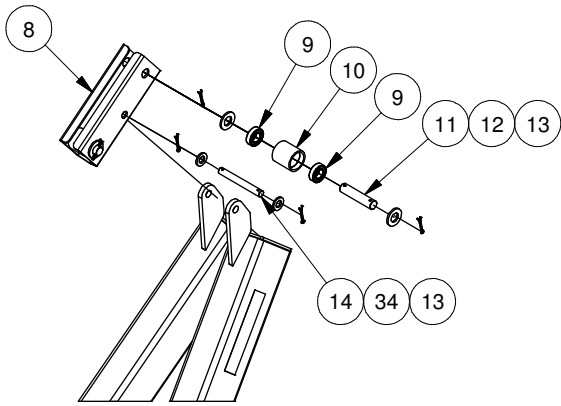
20-100/110 MAIN FRAME ASSEMBLY



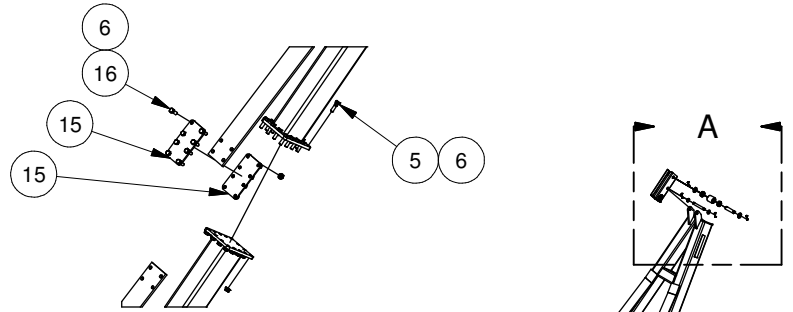
FRAME PARTS LIST

MERIDIAN RELIABELT 20-100 • 20-110			
REF #	PART #	QUANTITY	DESCRIPTION
1	13000006284-00	1	A Frame LH - Grey
2	13000006280-00	1	A Frame End - Grey
3	13070208028	124	Hex Cap Screw 1/2 x 1 3/4-13 Gr 5
4	13073100008	152	Flange Lock Nut 1/2-13 Gr 5
5	13000006282-00	1	A Frame RH - Grey
6	13000006290-00	1	Cross - A Frame - Grey
7	13000006288-00	1	Extension - A Frame RH - Grey
8	13000006165-00	1	Trolley - Grey
9	13000005724-00	4	Bearing - 1" 16412RS
10	13000006321-00	2	Trolley - Roller
11	13000007312-00	2	Pin - Bearing - Trolley
12	13073600016	10	Flat SAE Washer 1
13	13073706056	20	Cotter Pin 3/16 x 1 3/4
14	13000007314-00	1	Pin - 3/4 x 6
15	13073600012	2	Flat SAE Washer 3/4
16	13000007317-00	2	Pin - 0.994 x 3.625
17	13000006286-00	1	A Frame Extension - LH - Grey
18	13000006239-00	8	Plate - Joint - Frame
19	13070208024	28	Hex Cap Screw 1/2 x 1 1/2-13 Gr 5
20	13000007315-00	2	Pin - 1.25 x 5.25
21	13073600032	8	Flat SAE Washer 1 1/4
22	130000010317-00	2	Spacer Cylinder 6500 1.5"OD x 1.25"ID x 2.5"L
23	13000007872-00	2	Stop - Frame Cylinder - Black
24	13000001646-00	4	Bent Pull Pin 5/8" x 3"
25	13073902040	4	1/8" x 2 1/2" Hair Pin
26	13000006500-00	2	Cylinder - HYS 40MAL40-10
27	13000007316-00	2	Pin - 1.25 x 7.5
28	130000010319-00	2	Spacer Cylinder 6500 1.5"OD x 1.25"ID x 4.75"L
29	130000011029-00	1	Axle Extensions c/w Hub LH - Grey rBELT
30	130000011030-00	1	Axle Extensions c/w Hub RH - Grey rBELT
31	13000006264-00	1	Axle Extensions RH - Grey
32	13000005793-00	1	Grease Seal
33	13000005792-00	1	Bearing - Roller Tapered (Inner)
34	13000005790-00	1	Hub - 6 Bolt
35	13000005791-00	1	Bearing - Roller Tapered (Outer)
36	13000005795-00	1	Dust Cap
37	13000006671-00	2	Tire - ST235/80R16-10PL - Grey
38	13000005794-00	12	Wheel Bolt - .562-18UNF X 1.75
39	13000005451-00	2	Castle Nut 1-14UNS
40	13000006686-00	1	Cradle - 10" Large Conveyor - Grey
41	13070910032	6	Carriage Bolt 5/8 x 2-11 Gr 5
42	13073500010	6	WASHER, FLAT 5/8
43	13073000010	6	Stover Locknut 5/8-11 Type B Gr 5
44	13070216040	2	Hex Cap Screw 1 x 2 1/2-8 Gr 5
45	13072900016	2	Nylon Locknut 1-8 Gr 5
46	13000006261-01	1	Brake - Holder LH - Safety Flag
47	13000006274-00	1	Main Frame LH Grey
48	13000006270-00	1	Main Frame End - Grey
49	13000006272-00	1	Main Frame RH Grey
50	13000006260-02	1	Blank - Holder - Safety Flag
51	13000006276-00	1	Axle with Connectors Grey
52	13000004463-00	2	Pin - Axle

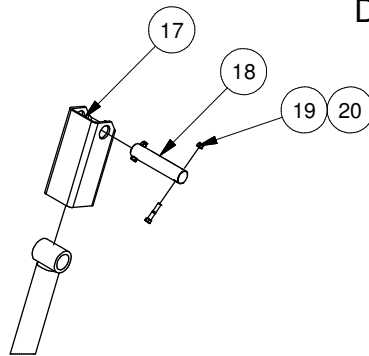
20-120 A-FRAME ASSEMBLY



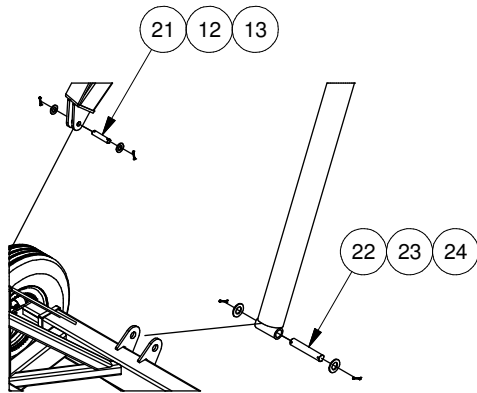
DETAIL A



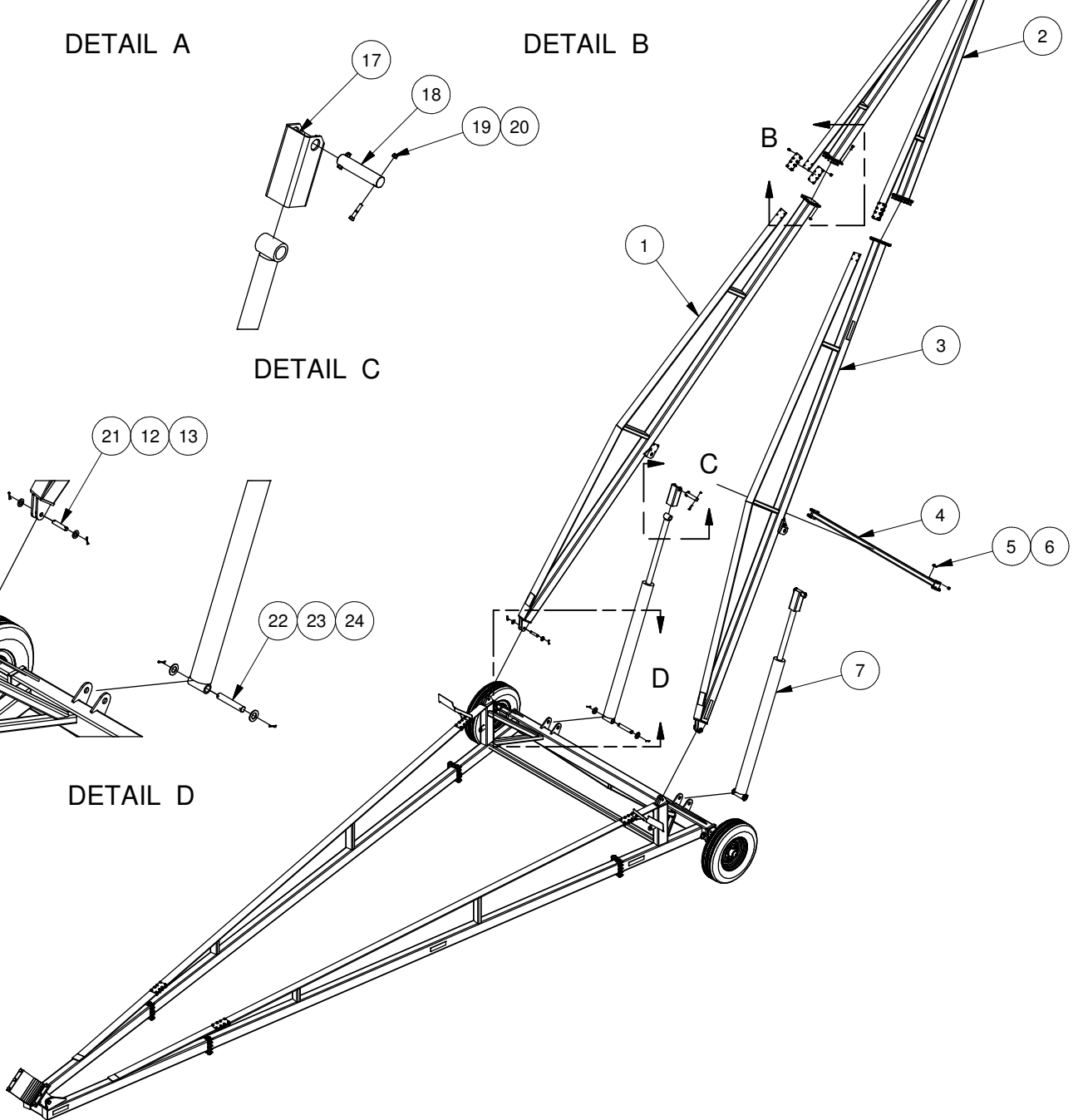
DETAIL B



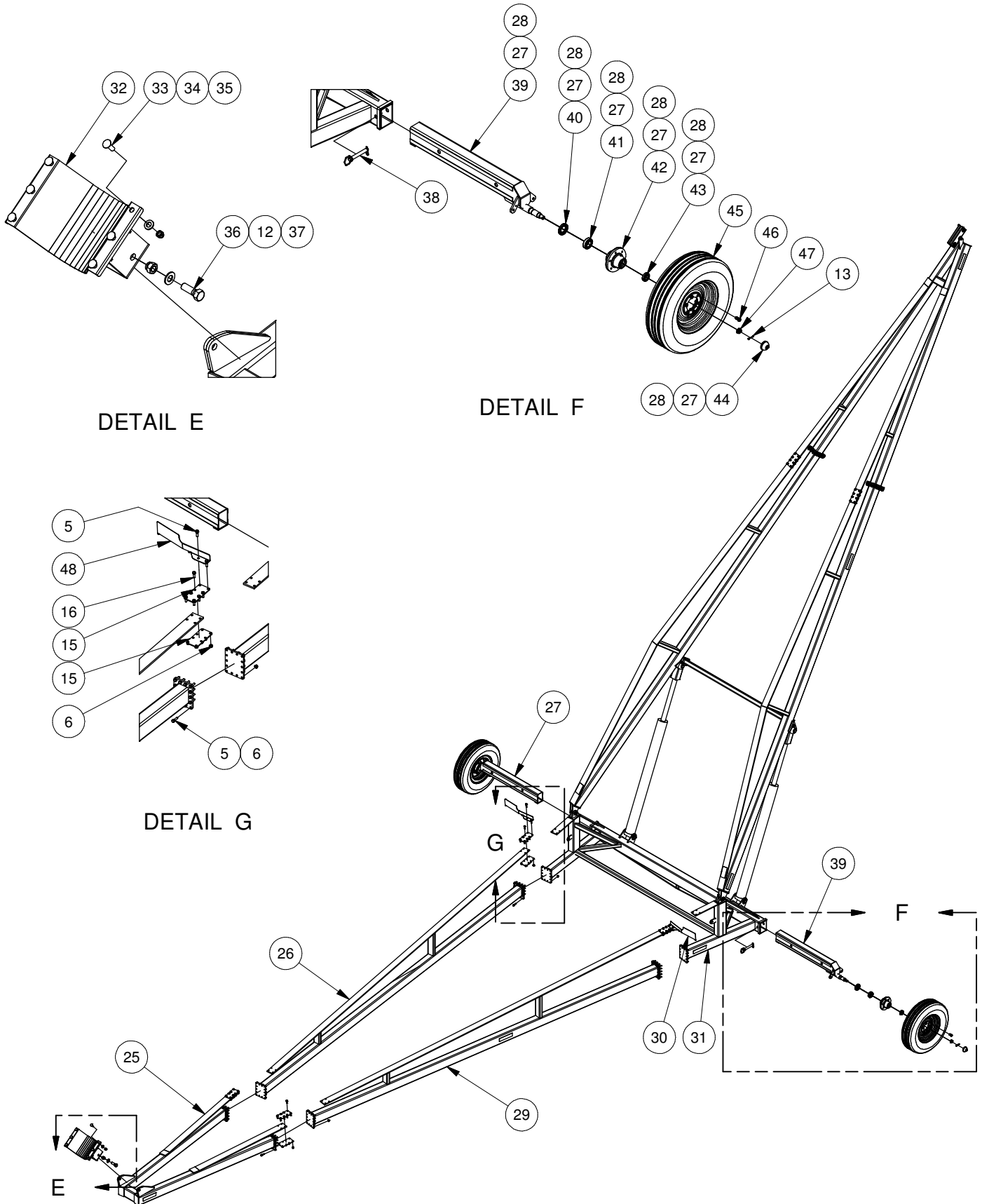
DETAIL C



DETAIL D



20-120 MAIN FRAME ASSEMBLY



DETAIL E

DETAIL F

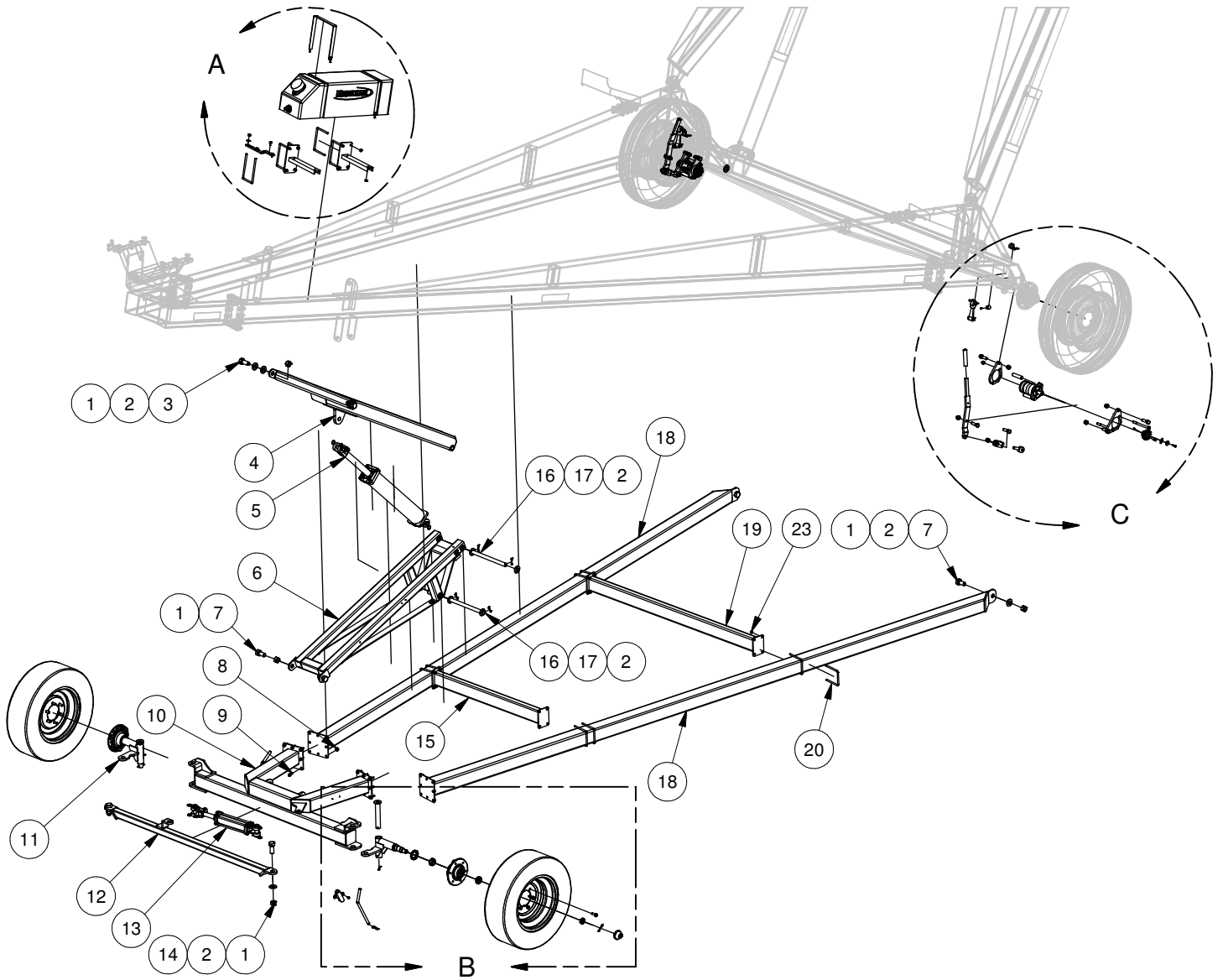
DETAIL G

FRAME PARTS LIST

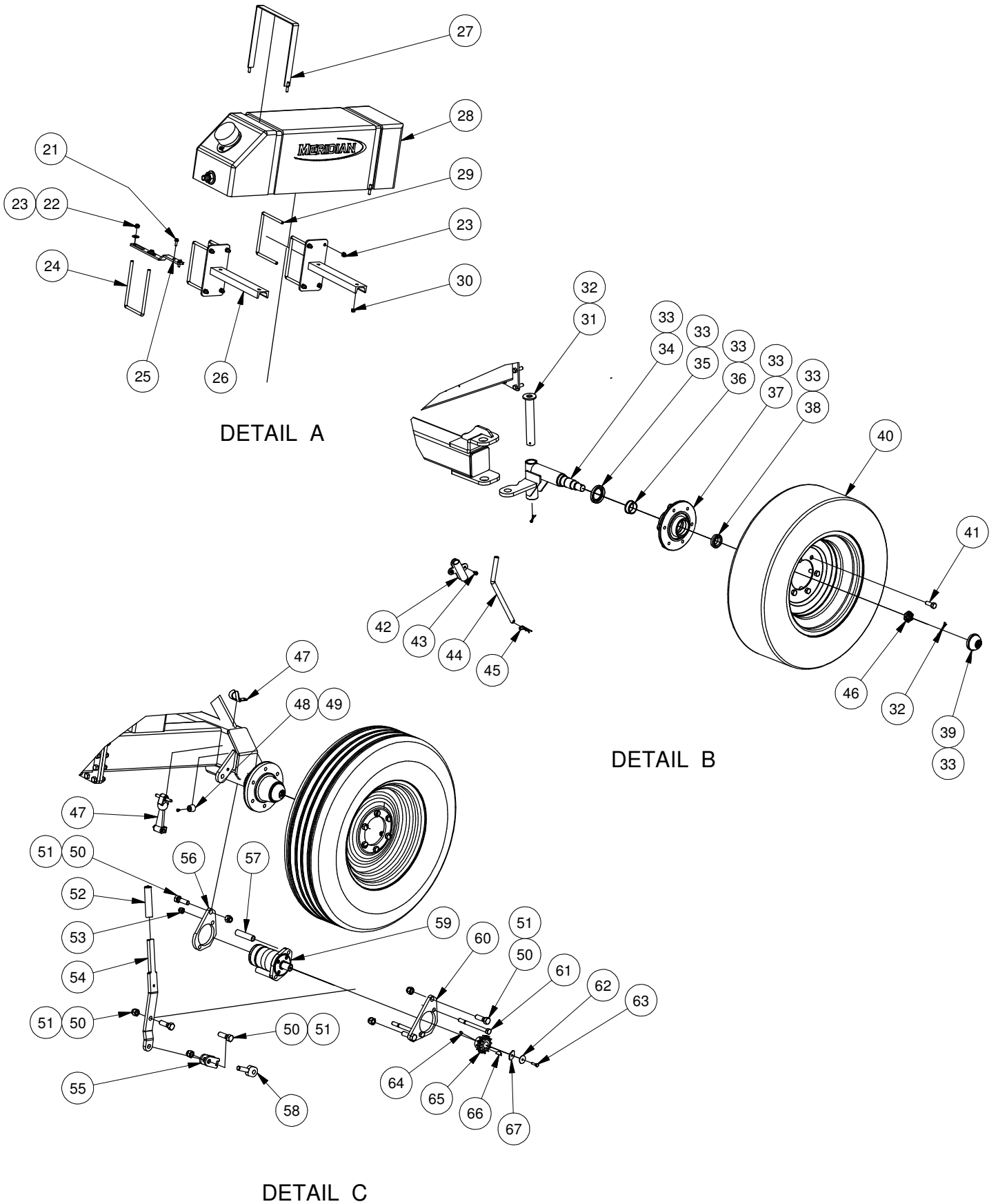
MERIDIAN RELABELT 20-120			
REF #	PART #	QUANTITY	DESCRIPTION
1	13000006298-00	1	A Frame LH Grey
2	13000006296-00	1	A Frame End - Grey
3	13000006300-00	1	A Frame RH Grey
4	13000006310-00	1	Cross Brace - A Frame - Grey
5	13070208028	96	Hex Cap Screw 1/2 x 1 3/4-13 Gr 5
6	13073100008	140	Flange Lock Nut 1/2-13 Gr 5
7	13000006536-00	2	Hydraulic Cylinder - HYS 5x60 MAL
8	13000006165-00	1	Trolley - Grey
9	13000005724-00	4	Bearing - 1" 16412RS
10	13000006321-00	2	Trolley - Roller
11	13000007312-00	2	Pin - Bearing - Trolley
12	13073600016	10	Flat SAE Washer 1
13	13073706056	12	Cotter Pin 3/16 x 1 3/4
14	13000007314-00	1	Pin - 3/4 x 6
15	13000006239-00	12	Plate - Joint - Frame
16	13070208024	44	Hex Cap Screw 1/2 x 1 1/2-13 Gr 5
17	13000006316-00	2	Cylinder Stop - Grey
18	13000007747-00	2	Pin - 1.5 x 7
19	13073000006	4	NUT, HEX, STOVER 3/8-16 UNC Steel, Mild
20	13070206032	4	Hex Cap Screw 3/8 x 2-16 Gr 5
21	13000007745-00	2	Pin - 0.994 x 4.5
22	13000007746-00	2	Pin - 1.5 x 8.5
23	13073600024	4	Flat SAE Washer 1 1/2
24	13073706064	4	Cotter Pin 3/16 x 2
25	13000006304-00	1	Main Frame End - Grey
26	13000006821-00	1	Main Frame - LH Side - Grey
27	130000011029-00	1	Axle Extensions c/w Hub LH - Grey rBELT
28	130000011030-00	1	Axle Extensions c/w Hub RH - Grey rBELT
39	13000006264-00	1	Axle Extensions RH - Grey
40	13000005793-00	1	Grease Seal
41	13000005792-00	1	Bearing - Roller Tapered (Inner)
42	13000005790-00	1	Hub - 6 Bolt
43	13000005791-00	1	Bearing - Roller Tapered (Outer)
44	13000005795-00	1	Dust Cap
29	13000006308-00	1	Main Frame - Grey
30	13000006260-00	1	Holder RH - Safety Flag
31	13000006306-00	1	Axle with Connectors - Grey
32	13000006686-00	1	Cradle - 10" Large Conveyor - Grey
33	13070910032	6	Carriage Bolt 5/8 x 2-11 Gr 5
34	13073600012	8	Flat SAE Washer 3/4
35	13073000010	6	Stover Locknut 5/8-11 Type B Gr 5
36	13070216048	2	Hex Cap Screw 1 x 3-8 Gr 5
37	13072900016	2	Nylon Locknut 1-8 Gr 5
38	13000004463-00	2	Pin - Axle
45	13000006671-00	2	Tire - ST235/80R16-10PL - Grey
46	13000005794-00	12	Wheel Bolt - .562-18UNF X 1.75
47	13000005451-00	2	Castle Nut 1-14UNS
48	13000006261-00	1	Holder LH - Safety Flag

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20-80/90/100/110 MOVER FRAME ASSEMBLY



MOVER PARTS LIST



MOVER PARTS LIST

MERIDIAN RELIABELT 20-80 • 20-90 • 20-100 • 20-110			
REF #	PART #	QUANTITY	DESCRIPTION
1	13073000016	8	Stover Locknut 1-8 Type C
2	13073600016	12	Flat SAE Washer 1
3	13070216036	2	Hex Cap Screw 1 x 2 1/4-8 Gr 5
4	13000006411-00	1	Arm - Lift RM4 - Grey
5	13000006853-00	1	Cylinder - HYS 4 x 24 AGU
6	13000005632-00	1	SCISSOR LIFT ARM ASSY - 60IN
7	13070216032	4	Hex Cap Screw 1 x 2-8 Gr 5
8	13073100007	16	Flange Lock Nut 7/16-14 Gr 5
9	13070207020	16	Hex Cap Screw 7/16 x 1 1/4-14 Gr 5
10	13000006410-00	1	Axle - Steering RM4 - Grey
11	130000011024-00	1	Knuckle Steering c/w Hub LH rBELT
12	13000006420-00	1	Tie Rod - Steering - Grey
13	13000006404-00	1	Hydraulic Cylinder HYS 20AGU8
14	13070216040	2	Hex Cap Screw 1 x 2 1/2-8 Gr 5
15	13000006422-00	1	Cross - rM4 Front - Grey
16	13000005620-00	2	PIN 1" X 13.25"
17	13073706048	4	PIN, COTTER 3/16 x 1 1/2 Extended Prong Square Cut Type
18	13000006428-00 13000006409-00	2	80/90: Arm - RM4 24' - Grey 100/110: Arm - RM4 - Grey
19	13000006424-00	1	Cross - rM4 Rear - Grey
20	13000006813-00	8	U-Bolt - 3/8 x 4W x 5H
21	13071204012	2	Flange Lock Bolt 1/4 X 3/4-20 Gr 5
22	13073500006	2	Flat Washer 3/8
23	13073000006	26	NUT, HEX, STOVER 3/8-16 UNC Steel, Mild
24	13000006928-00	1	U-Bolt - 3/8 x 4.125W x 7H
25	13000006687-00	1	BRACKET - OIL FILTER - MOVER
26	13000006924-00	2	Bracket Mount - Oil Tank - Grey
27	13000042177-00	2	Paint - Tank Clamp
28	13000042165-00	1	Tank Oil (11 Gallon) - Assembly
29	13000006926-00	4	U-Bolt - .375 x 6W x 5H
30	13073000005	4	Stover Locknut 5/16-18 Type B Gr 5
31	13000006811-00	2	Pin - 1.25 x 7.75
32	13073706056	4	Cotter Pin 3/16 x 1 3/4
33	130000011025-00	1	Knuckle Steering c/w Hub RH rBELT
34	13000006417-00	1	Knuckle - Steering RH - Grey
35	13000003133-00	1	Grease Seal
36	13000003135-00	1	Inner Cone (1.5in Bore) SLMD10/12
37	13000003131-00	1	Hub 6 Bolt - Comes w/Race SLMD10/12
38	13000001005-00	1	Tapered Roller Bearing Cone (Outer)
39	13000003132-00	1	Dust Cap - SLMD10/12 Main Frame Assembly
40	13000006840-00	2	Wheel 15" c/w Rim - 6 Bolt - Grey
41	13000003156-00	12	Wheel, Bolt 1.75in
42	13000005689-00	2	HOLDER TRANSPORT PIN
43	13070604008	4	Self Threading Screw 1/4 x 1/2
44	13000006073-00	2	Pin Transport Black
45	13073902040	2	1/8" x 2 1/2" Hair Pin
46	13000005451-00	2	Castle Nut 1-14UNS

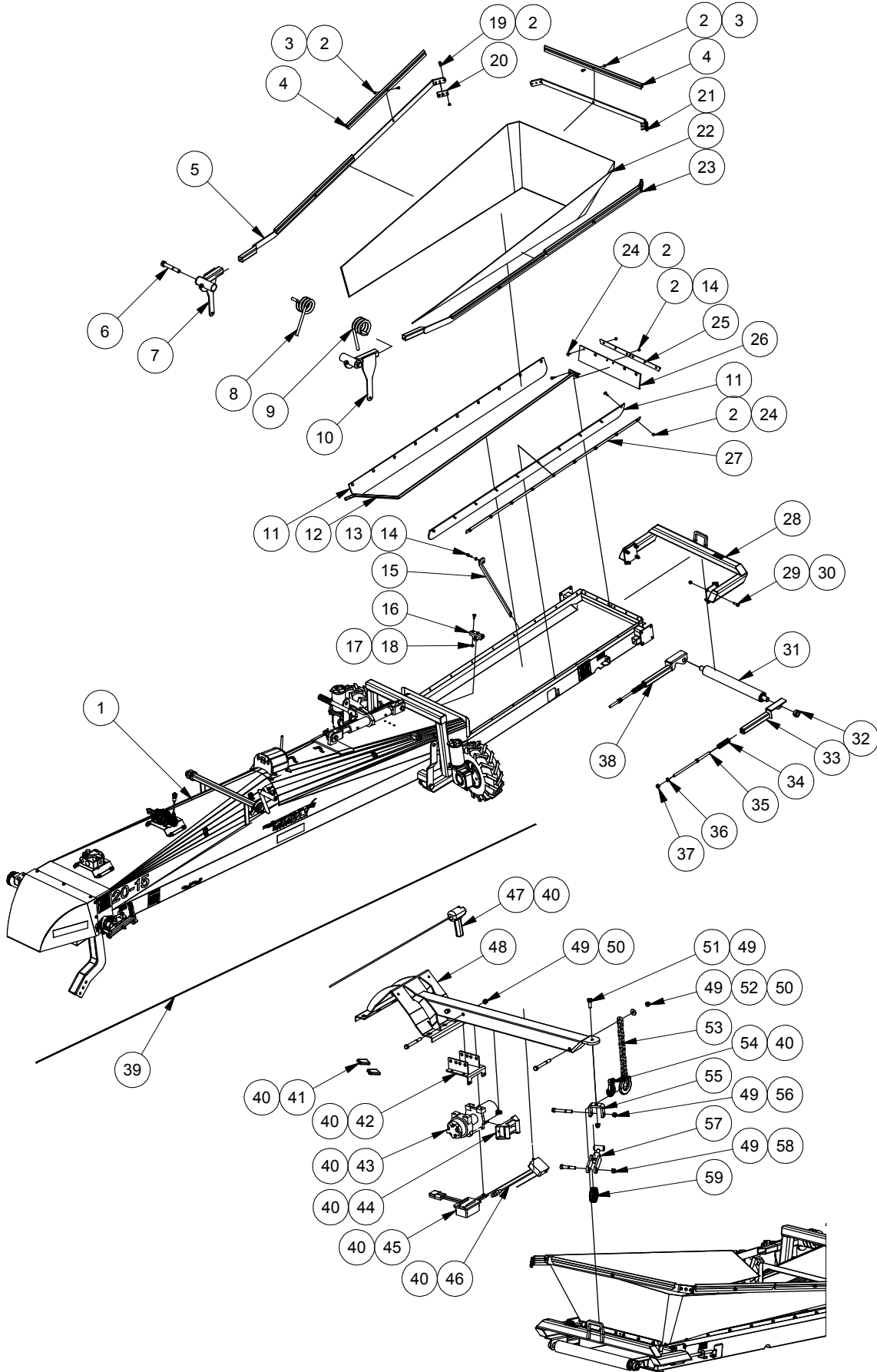
D35

MOVER PARTS LIST

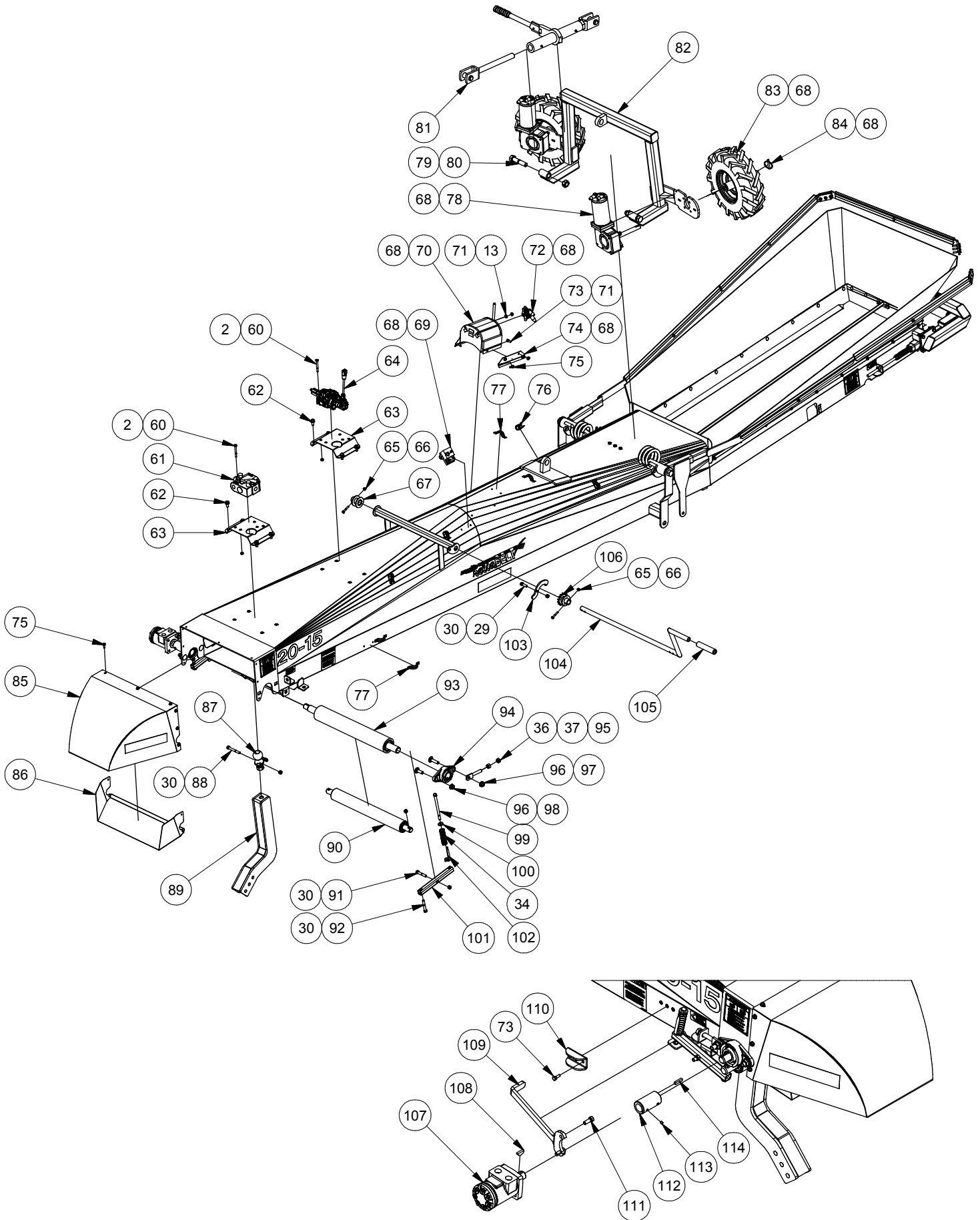
MERIDIAN RELIABELT 20-80 • 20-90 • 20-100 • 20-110			
REF #	PART #	QUANTITY	DESCRIPTION
47	13000005824-00	2	Hood Catch - Discharge
48	13000005746-00	2	Bumper - Recessed Rubber
49	13000006105	2	Cross Recessed Pan Head Tapping Screw - Type C - Type IA
50	13070210032	10	Hex Cap Screw 5/8 x 2-11 Gr 5
51	13073000010	10	Stover Locknut 5/8-11 Type B Gr 5
52	13000005805-00	2	Grip - Rubber Handle
53	13073000008	4	Stover Locknut 1/2-13 Type B Gr 5
54	13000005681-00	2	HANDLE DRIVE MOTOR
55	13000005576-00	2	LINKAGE B - DRIVE MOTOR
56	13000005808-00	2	PLATE - DRIVE MOTOR B
57	13000006141-00	4	SPACER - MOTOR - BLACK
58	13000005575-00	2	LINKAGE A - DRIVE MOTOR
59	13000006885-00	2	Motor - Orbit 9.5 DISP
60	13000005499-00	2	PLATE - DRIVE MOTOR A
61	13070208096	4	Hex Cap Screw 1/2 x 6-13 Gr 5
62	13073510004	2	Flat Washer - Fender - 1/4
63	13070204016	2	Hex Cap Screw 1/4 x 1-20 Gr 5
64	13074205006	2	Socket S/Screw 5/16 x 3/8-18
65	13000042192-00	2	Gear
66	11074000808	2	Woodruff Key
67	13000006879-00	2	Orbit Motor Washer

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SWING ASSEMBLY



SWING PARTS LIST



SWING PARTS LIST

MERIDIAN RELIABELT 20-80 • 20-90 • 20-100 • 20-110 • 20-120			
REF #	PART #	QUANTITY	DESCRIPTION
1	13000006614-00	1	SW20-15 - Body - Red
2	13073000004	41	NUT, HEX, NYLOCK1/4-20 UNC Steel, Mild
3	13070204014	5	BOLT, HEX, 1/4-20 UNC X 0.875 Steel, Mild
4	13000005552-00	5	Hopper Clip-30 in
5	13000006712-00	1	Hoop - Hopper SW JU RH - Grey
6	13070212080	2	BOLT, HEX, 3/4-10 UNC X 5 Steel, Mild
7	13000005667-00	1	Pivot RH - Intake L/P 5' - Grey
8	13000005917-00	1	Spring - Hopper Right
9	13000005918-00	1	Spring - Hopper Left
10	13000005665-00	1	Pivot LH - Intake L/P 5' - Grey
11	13000006740-00	2	Rubber - Hopper
12	13000006708-00	1	Depressor - SW JU Belt - Grey
13	13073600004	5	WASHER, FLAT 1/4
14	13070204016	3	BOLT, HEX, 1/4-20 UNC X 1 Steel, Mild
15	13000005553-00	1	Scraper - Return - Intake
16	13000006739-00	1	Belt Depressor Guide
17	13070205012	3	BOLT, HEX, 5/16-18 UNC X 0.75 Steel, Mild
18	13073000005	3	Stover Locknut 5/16-18 Type C
19	13070204020	6	BOLT, HEX, 1/4-20 UNC X 1.25 Steel, Mild
20	13000006923-00	2	Plate - Canvas Corner
21	13000005537-00	1	Arm - Cross - Canvas
22	13000006799-00	1	Canvas - Hopper - SW20-15
23	13000006710-00	1	Hoop - Hopper SW JU LH - Grey
24	13070904012	24	BOLT, CARRIAGE 1/4-20 UNC x 0.75 Steel, Mild
25	13000005556-00	1	Plated - 20" Canvas Support
26	13000006569-00	1	Rubber-Hopper Flashing End-Intake 5'
27	13000006725-00	2	Support - Canvas - 59"
28	13000006677-00	1	Hitch - SW20-15 - Grey
29	13070206020	9	BOLT, HEX, 3/8-16 UNC X 1.25 Steel, Mild
30	13073000006	17	NUT, HEX, NYLOCK3/8-16 UNC Steel, Mild
31	13000006125-00	1	Roller - Bottom 20-15
32	13000006121-00	2	Collar - 1" Set Screw
33	13000006679-00	1	Adjuster - Bottom Roller LH - Grey
34	13000005523-00	4	Spring - Pinch
35	13000006623-00	2	Adjuster - Bottom Roller
36	13072700008	4	NUT, HEX, JAMB 1/2-13 UNC Steel, Mild
37	13072500008	4	NUT, HEX 1/2-13 UNC ZINC PLATED
38	13000006706-00	1	Adjuster - Bottom Roller RH - Grey
39	13000006131-00	1	CABLE - HOPPER SW20-15
40	13000007074-00	1	Kit - Winch Electric 12V 4500 lbs
41	13000007073-03	6	Remote - Wireless
42	13000007074-03	1	Bracket - Winch
43	13000007074-12	1	Winch - 4500 LBS12V
44	13000007074-02	1	Roller - Winch
45	13000007074-08	1	Controller - Electric Winch

SWING PARTS LIST

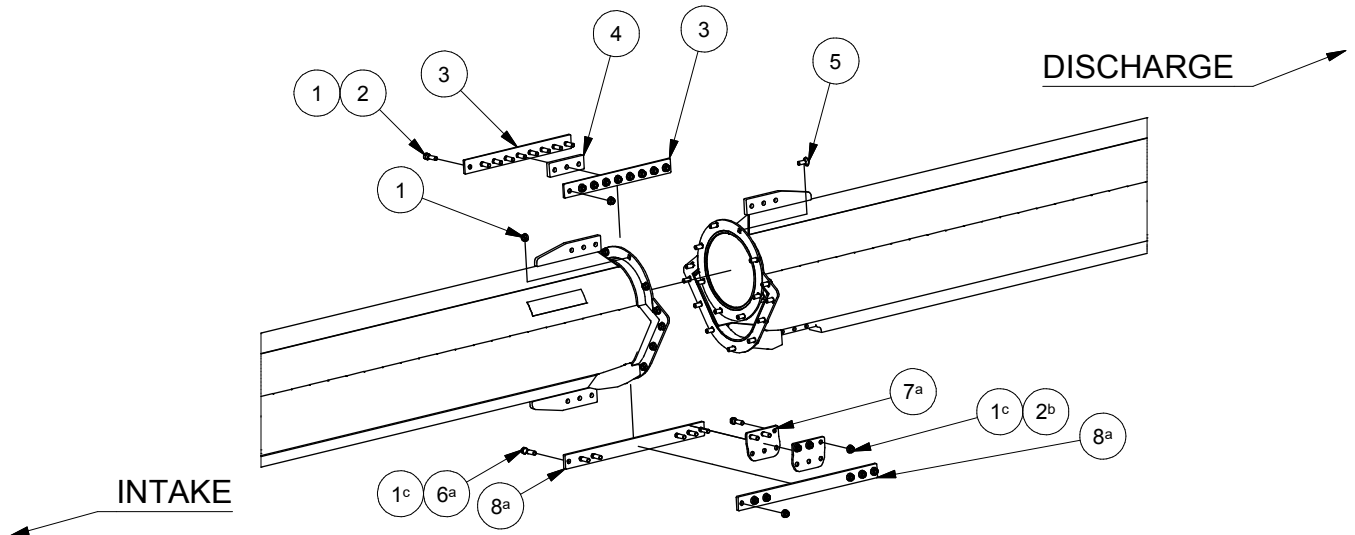
MERIDIAN RELIABELT 20-80 • 20-90 • 20-100 • 20-110 • 20-120			
REF #	PART #	QUANTITY	DESCRIPTION
46	13000007074-09	1	Controller - Winch Wireless
47	13000007074-01	1	Remote - Winch Wired
48	13000006726-00	1	Arm - Support - Grey
49	13073000008	9	NUT, HEX, NYLOCK1/2-13 UNC Steel, Mild
52	13073500008	1	Washer, 1/2 - Regular - Type B Steel, Mild
50	13070208072	3	BOLT, HEX, 1/2-13 UNC X 4.5 Steel, Mild
51	13070208024	1	BOLT, HEX, 1/2-13 UNC X 1.5 Steel, Mild
53	13000006778-00	1	Chain - Safety - SW20-15
54	13000007074-04	1	Hook - 1/4 - G70
55	13000006736-00	1	Holder - Swing Jump
56	13070208060	4	BOLT, HEX, 1/2-13 UNC X 3.75 Steel, Mild
57	13000006737-00	1	Lift Pivot - Grey
58	13070208044	1	BOLT, HEX, 1/2-13 UNC X 2.75 Steel, Mild
59	13000006776-00	1	Pulley - Cable 3 Inch
60	13070204040	4	BOLT, HEX, 1/4-20 UNC X 2.5 Steel, Mild
61	13000006140-00	1	Flow Control - FCR51-1/2
62	13071206012	8	BOLT, HEX, FLANGED, Steel, Mild 3/8-16 UNC X 0.75
63	13000006617-00	2	Mount - Valve FC/2 Spool - Grey
64	13000007583-00	1	Valve - 1 Spool
65	13072900004	2	NUT, HEX, NYLOCK1/4-20 UNC Steel, Mild
66	13070204024	2	BOLT, HEX, 1/4-20 UNC X 1.5 Steel, Mild
67	13000006227-00	1	Crank - RH Sleeve - Grey
70	13000007073-02	1	Controller - Wireless Receiver
69	13000007073-08	1	Fuse - 200 Amp
77	13000006021-00	4	Clamp - Neoprene 1/2" x 5/8"
76	13000006023-00	4	Clamp - Neoprene 1/2" x 3/8" - Light Kit
71	13073100004	8	NUT, HEX, FLANGED, Steel, Mild 1/4-20 UNC
72	13000007073-04	8	Insulator - Terminal
73	13070204012	7	BOLT, HEX, 1/4-20 UNC X 0.75 Steel, Mild
74	13000007073-07	2	Bracket - Mounting Controller
75	13070704012	13	SCREW, FLANGED, SELF-TAPPING 1/4-20 UNC X 0.75 Steel, Mild
80	13070212056	2	BOLT, HEX, 3/4-10 UNC X 3.5 Steel, Mild
68	13000007073-00	1	Kit - Electric Winch
79	13073000012	2	Stover Locknut 3/4" - 10 UNC
78	13000007073-01	2	Motor - Electric Drive
81	13000006135-00	1	Jack - Ratchet 20" - 28"
82	13000007071-00	1	Axle - Electric - Grey
83	13000007073-05	2	14 X 4.5 X 6 Tire and Rim
84	13000007073-18	4	5/16 X 2 Pin
85	13000006621-00	1	Discharge - Open Spout - Red
86	13000007056-00	1	Deflector - Red
87	13000006134-00	1	Ball - Hitch 1 - 7/8"
88	13070206048	2	BOLT, HEX, 3/8-16 UNC X 3 Steel, Mild, Full thread
89	13000006390-00	1	Gooseneck - Grey
90	13000006123-00	1	Roller- Pinch 20-15

SWING PARTS LIST

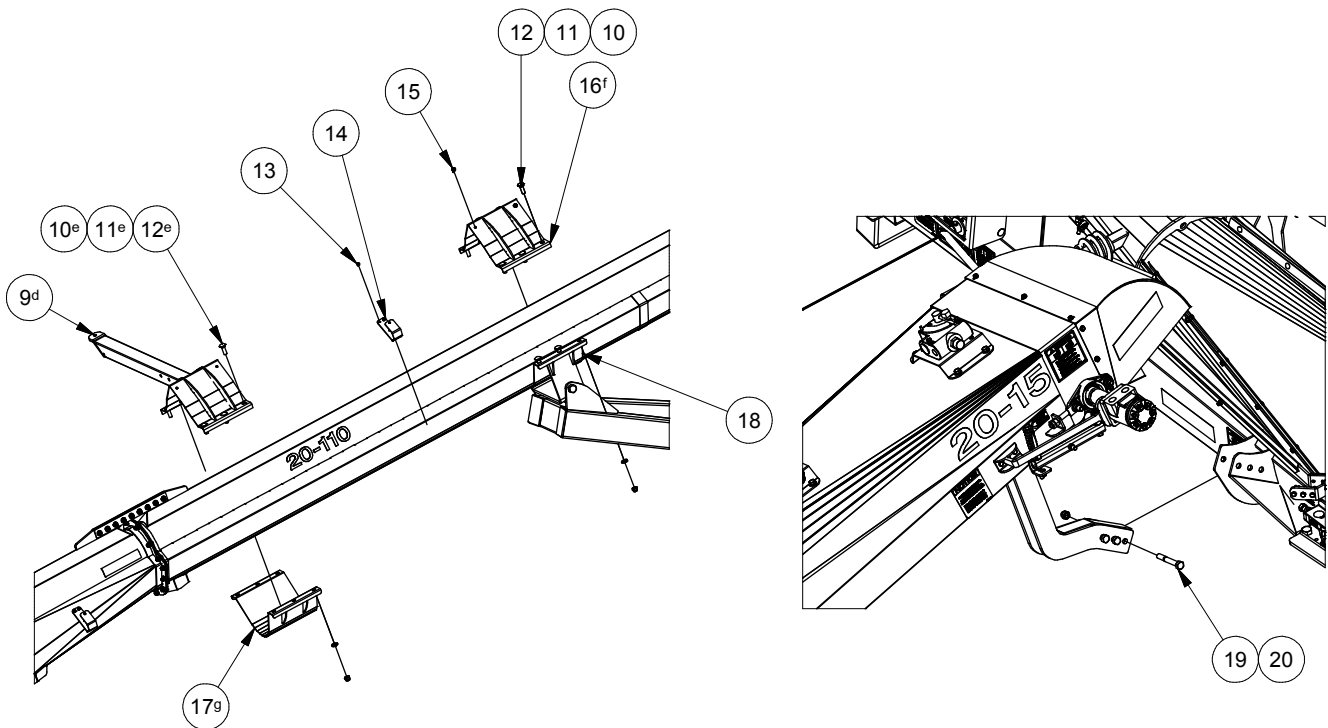
MERIDIAN RELIABELT 20-80 • 20-90 • 20-100 • 20-110 • 20-120

REF #	PART #	QUANTITY	DESCRIPTION
91	13070206036	2	BOLT, HEX, 3/8-16 UNC X 2.25 Steel, Mild
92	13070206040	2	BOLT, HEX, 3/8-16 UNC X 2.5 Steel, Mild
93	13000006127-00	1	Roller - Drive SW20-15
94	13000006727-00	2	Bearing - 1 1/4" Timken c/w Housing
95	13000005503-00	2	Adjuster Tab
96	13073100008	4	NUT, HEX, FLANGED, Steel, Mild 1/2-13 UNC
97	13070908032	2	BOLT, CARRIAGE 1/2-13 UNC x 2 Steel, Mild
98	13070908024	2	BOLT, CARRIAGE 1/2-13 UNC x 1.5 Steel, Mild
99	13070206096	2	BOLT, HEX, 3/8-16 UNC X 6 Steel, Mild
100	13073500006	2	Flat Washer - 3/8 Yellow Zinc Plated
101	13000006430-00	2	Pinch Tube - Top Drive - Grey
102	13000006084-00	2	Indicator - Roller Tension
103	13000005982-00	1	Stop - Crank - Intake
104	13000005507-00	1	Crank - Cross - Intake - Grey
105	13000005805-00	1	Grip - Rubber Handle
106	13000006226-00	1	Crank - LH Sleeve - Grey
107	13000006395-00	1	Motor - Hyd 2.8 Disp 4 Bolt
108	11074000808	1	Woodruff Key
109	13000006742-00	1	Motor Support
110	13000006732-00	1	Bracket - Motor Brace
111	13070206016	2	BOLT, HEX, 3/8-16 UNC X 1 Steel, Mild
112	13000006122-00	1	Coupler - 1" Shaft
113	13074204004	2	Hexagon Socket Set Screw - Flat Point
114	13000004637-00	1	Key - 1/4 x 1/4 x 1-1/8"

TUBE, FRAME, SWING CONNECTION ASSEMBLY



- ^a ONLY USED ON 20-120 CONVEYORS
- ^b INCREASE QTY BY 3 ON 20-120 CONVEYORS
- ^c INCREASE QTY BY 9 ON 20-120 CONVEYORS



- ^d ONLY USED WITH A SWING
- ^e DECREASE QTY BY 6 ON 20-80/90/100 CONVEYORS
- ^f ONLY USED ON CONVEYORS WITH NO SWING OR 20-110/120 WITH SWING
- ^g ONLY USED ON CONVEYORS 20-110/120 CONVEYORS WITH SWING

CONNECTION PARTS LIST

MERIDIAN RELIABELT 20-80 • 20-90 • 20-100 • 20-110 • 20-120

REF #	PART #	QUANTITY	DESCRIPTION
1	13073100008	26/connection	NUT, HEX, FLANGED, Steel, Mild 1/2-13 UNC
2	13070208028	9/connection	BOLT, HEX, 1/2-13 UNC X 1.75 Steel, Mild
3	13000005818-00	2/connection	Plate - Brace Outside - Tube
4	13000005817-00	1/connection	Plate - Spacer - Tube
5	13070908020	17/connection	BOLT, CARRIAGE 1/2-13 UNC x 1.25 Steel, Mild
6	13070208032	6	BOLT, HEX, 1/2-13 UNC X 2 Steel, Mild
7	13000006343-00	2	Brace - Lower Tube PT1 - Black
8	13000006345-00	2	Brace - Lower Tube PT2 - Black
9	13000006726-00	1	Arm - Support - Grey
10	13073000010	12	NUT, HEX, NYLOCK5/8-11 UNC Steel, Mild
11	13073500010	12	WASHER, FLAT 5/8
12	13070910032	12	BOLT, CARRIAGE 5/8-11 UNC x 2 Steel, Mild
13	13070604008	6	SCREW, FLANGED, SELF-TAPPING 1/4-20 UNC X 0.5 Steel, Mild
14	13000006172-00	3	Holder - Hydraulic Hose - Grey
15	13070606016	4	SCREW, FLANGED, SELF-TAPPING 3/8-16 UNC X 1 Steel, Mild
16	13000005574-00	1	CLAMP - TOP HALF - TUBE - GREY
17	13000007562-00	1	Clamp Bottom - Half Tube - Grey
18	13000006686-00	1	Cradle - 10in Large Conveyor - Grey
19	13070208060	3	BOLT, HEX, 1/2-13 UNC X 3.75 Steel, Mild
20	13073000008	3	NUT, HEX, NYLOCK1/2-13 UNC Steel, Mild

LIMITED WARRANTY STATEMENT

1. 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 one (1) year 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, canola, etc.; or used in excess of the built specifications.
 - e) to Goods used in areas exposed to corrosive or aggressive 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) one (1) year, 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.



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