



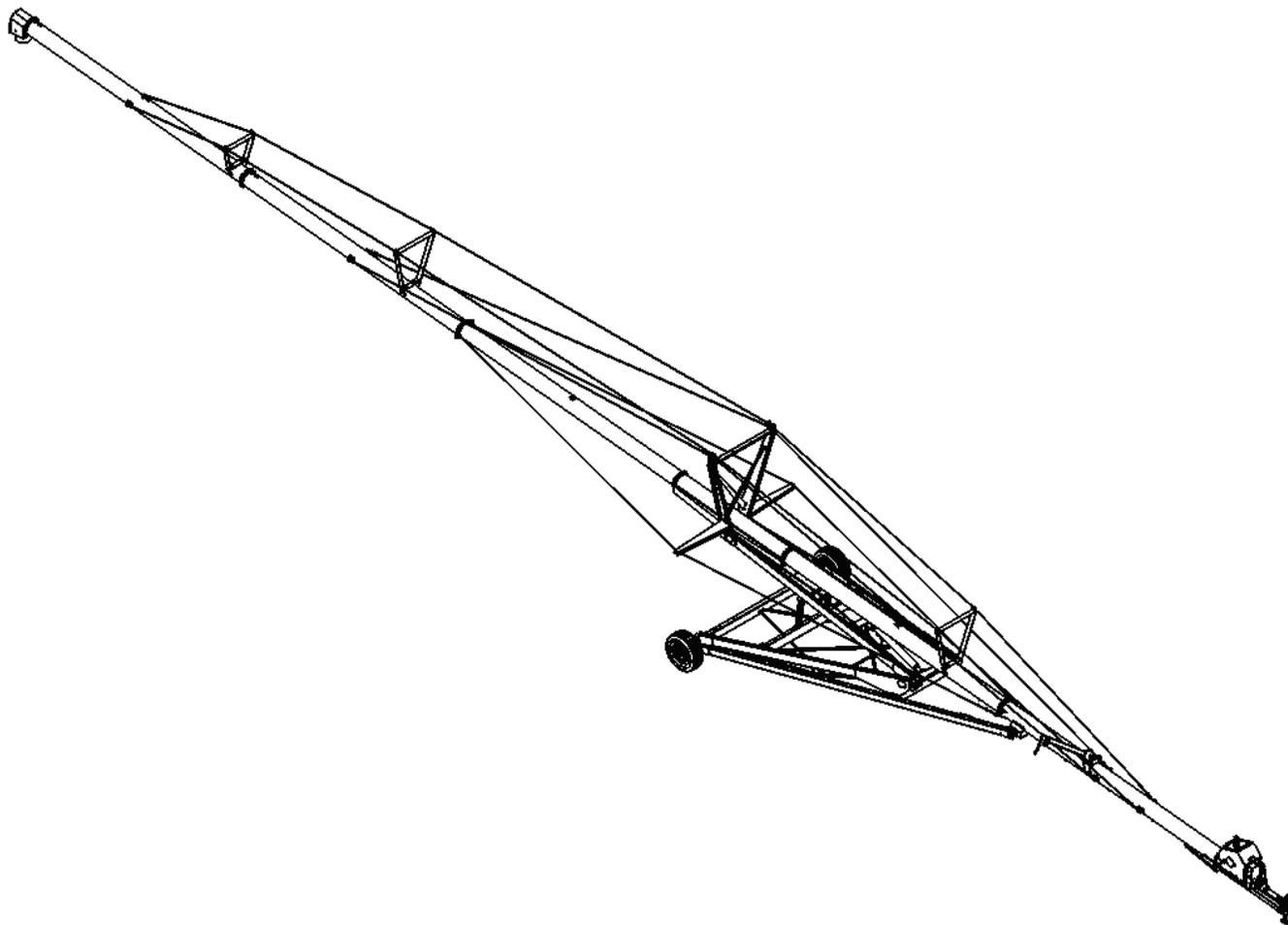
H1392

ASSEMBLY MANUAL

(Do not operate with guards missing!)

(Do not operate tractor PTO over 540 RPM)

Read & understand all instructions pertaining to this option prior to operate.





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Safety Alertness is the Business of everyone

Watch for this **ALERT** Symbol. It identifies potential hazards to Personal **SAFETY** and your **HEALTH**. It points out **SAFETY** precautions

This **SAFETY** symbol means:

**ATTENTION:
BE ALERT**

Why is **SAFETY** Important to you?

THREE BIG REASONS:

ACCIDENTS DISABLE AND KILL

*** ACCIDENTS COST***

ACCIDENTS CAN BE AVOIDED

Failure to read this Auger manual before assembling or operation of Auger is misuse of the equipment and a needless risk to your **HEALTH** and **SAFETY**. Your life and limbs are worth keeping. Use this equipment with care.

Symbol

Signal Words:

DANGER, WARNING, CAUTION:

The appropriate signal word for each message has been selected using the following Guidelines below the Alert Symbol



BE ALERT!

DANGER- Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury. This signal word is to be limited to the most extreme situations, typically for machine components that, for functional purposes, cannot be guarded

Warning- Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices

CAUTION- Indicates an imminently hazardous situation that, if not avoided, will result in minor or moderate injury. It may also be used to alert against unsafe practices.

Read and understand this page prior to operation!

Do not operate with guards missing!

Shut tractor off prior to attaching or working with PTO shafts!

Augers and attachments

After the auger has been positioned, block the tires, front & rear so the auger cannot roll.

Make sure to keep all body parts away from hitch and pto area during operations.

Attach the auger pto shaft to the tractor pto shaft by sliding the knurled collar latch sleeve toward the center of the knuckle cross, then push the auger pto shaft onto the tractor pto shaft until the knurled latch sleeve locks the pto shaft into the groove on the tractor pto shaft.

After making sure the area around the auger pto shaft and swing hopper is clear of people and any loose articles, slowly engage the tractor pto shaft.

With the auger running slow, gradually increase the pto rpm until it reaches operating speed and begin the augering process.

Once the load is empty, let the auger run long enough to empty the auger and then shut off the tractor pto shaft.

After the first load has been unloaded and the pto shaft shut off, check the following:

- 1) Check all fasteners. Make sure they are tight and in the proper position.
- 2) Check position of sprockets. All sprockets should run inline with each other.
- 3) Check chain tension. Make sure idler sprocket hasn't moved & chain has the proper tension.
- 4) Check all set screws. Set screws should be tightened to hold sprockets, couplers, & keys in place.

Lubrication Intervals:

PTO Shaft – grease every 50 hours of operation, both ends of pto shaft with high quality multi-lith grease

Bearings – grease every 50 hours of operation with high quality grease

Drive Chain – lube daily or more with high quality chain lube

Toolbars

Make sure to keep all body parts away from hitch and PTO area during operations.

If using a PTO Attach PTO shaft to the tractor PTO shaft by sliding the knurled collar latch sleeve toward the center of the knuckle cross, then push the PTO shaft onto the tractor PTO shaft until the knurled latch sleeve locks the PTO shaft into the groove on the tractor PTO shaft.

Lubrication Intervals:

PTO Shaft – grease every 50 hours of operation, both ends of pto shaft with high quality multi-lith grease

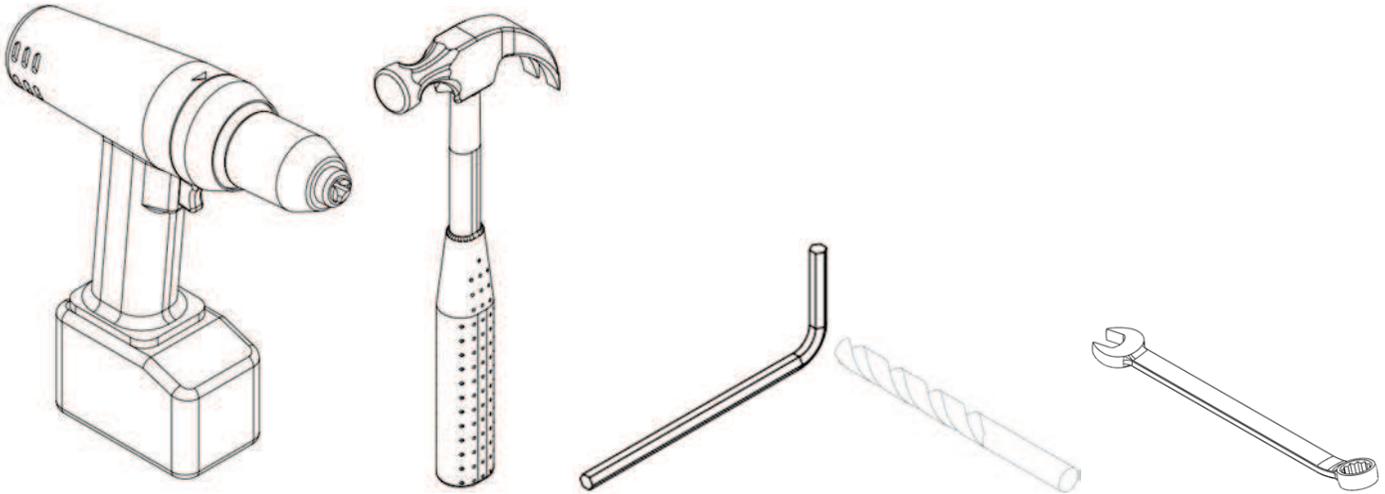
Bearings – grease every 50 hours of operation with high quality grease

Head trailers

Lubrication Intervals:

Bearings – grease every 50 hours of operation with high quality grease

Tools Needed To Assemble



(1) Electric Drill

(1) Hammer

(1) 3/8" Drill Bit

(1) 1/2" Drill Bit

(2) 9/16" Wrenches*

(2) 1/2" Wrenches*

(2) 3/4" Wrenches*

(2) 1-1/8" Wrenches*

(1) 5/16" Wrench

(1) 3/16" Allen Wrench METRIC AND STANDERD ALLEN WRENCHES

1) COMBINATION WRENCHES FROM 5/16" THRU 1 1/2"

1) 1/2" DRIVE SOCKETS FROM 5/16" THRU 1 1/2"

4) LIFT STRAPS

2) PRY BARS, A LONG TAPERING PUNCH

2) PIPE WRENCHS

4) PLIARS AND CHANNEL LOCKS

2) COME ALONG OR CHAIN HOIST OR CABLE STRECHER

*Wrenches can be exchanged or used with sockets & a ratchet and/or an impact drive for ease of assembly

Receiving and Unpacking

- 1) Open all crates, boxes; pull out all parts, bags of parts, and hardware.
- 2) Now proceed to remove all shipping blocks and stops so that they are not left to cause damage to the auger or as your laying them out
- 3) check to make sure you have the right amount of hardware, and that you have received all the parts and hardware so that you will be able to find and assemble the auger, without missing or delay in final assembly,

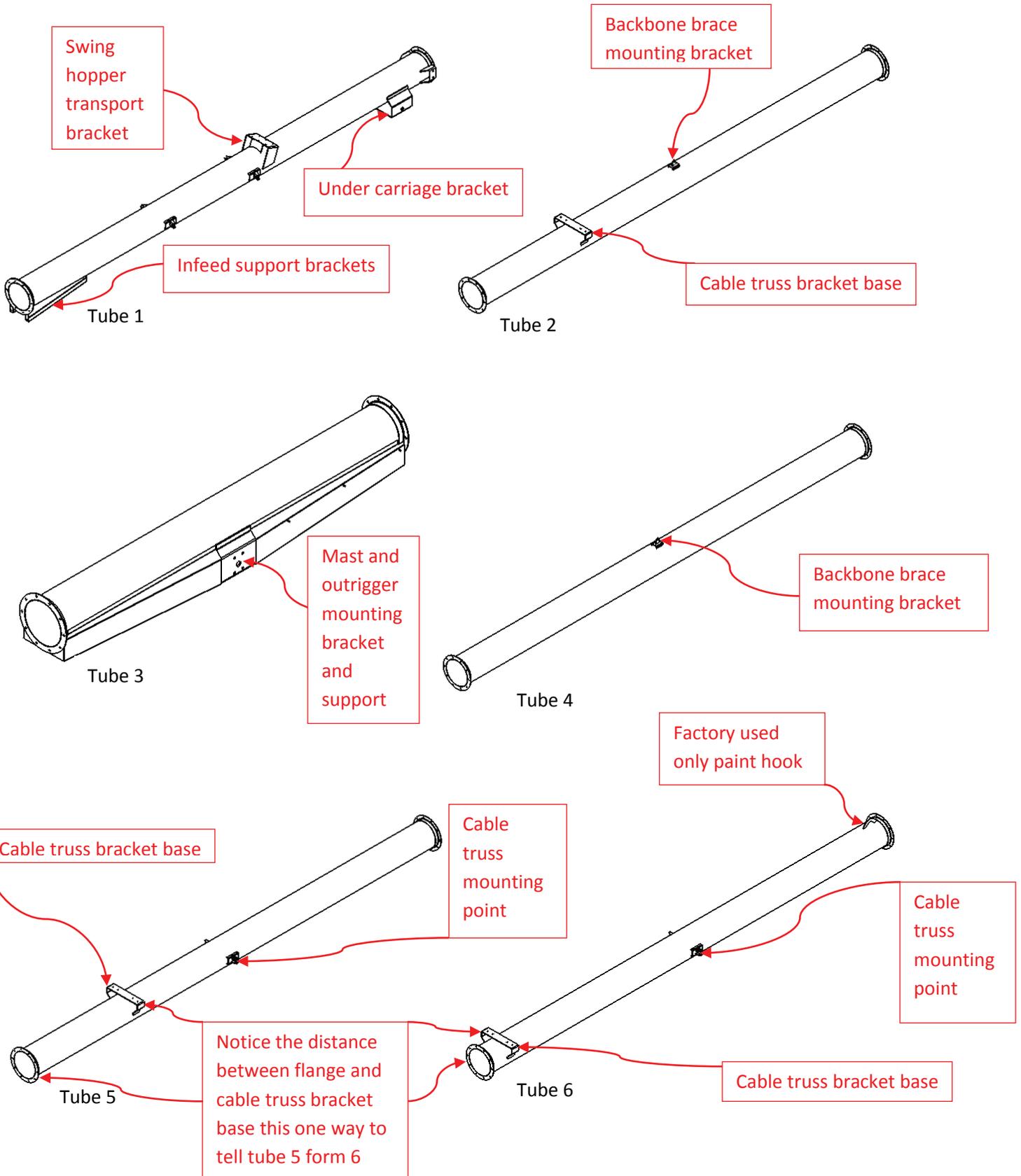
Missing, Damaged or Replacement Parts

- 1) **With the highest of standards we attempt to ship every order with all Parts necessary to assemble our products**, With that been said; We also understand that there are circumstances that or out of our hands, to which parts may be misplaced, lost and/or damaged
- 2) If there is missing parts **Tel: 712.213.5100 or 888.218.5373** to report the missing parts and/or hardware so that they can be shipped directly out to you.

Where to Start

- 1) At this point you will need to decide what you want to work first the carriage assembly or with the tubes, if you want to start with the carriage assemblies turn to page 35.
- 2) If you want to start with the tubes then go to the next page.
- 3) You will want to remove all the flighting from the tubes and inspect both them for any shipping damage. Reinsert the flighting making sure that there is a stub shaft and open tube ends facing each other.
- 4) You will start from one end and working your way to the other end of the auger one tube junction at a time.

AUGER TUBE IDENTIFICATION



Flighting and Tube Assembly

Step 1

- 1) Lay out the tubes on blocks or stands at a height that is comfortable to you to work with, make sure to keep the blocks or stands near the tube flanges this way you will not damage the tubes by denting them in, Align holes and make sure that the flighting aligns is like in Figure 1.1 not 180 degrees off,
- 2) install and tighten (3) $\frac{5}{8}$ " X 3" course thread Hex Bolts and $\frac{5}{8}$ " course thread Top Lock Nuts as showing in Figure 1.2 the use of along tapered punch will help to align holes.

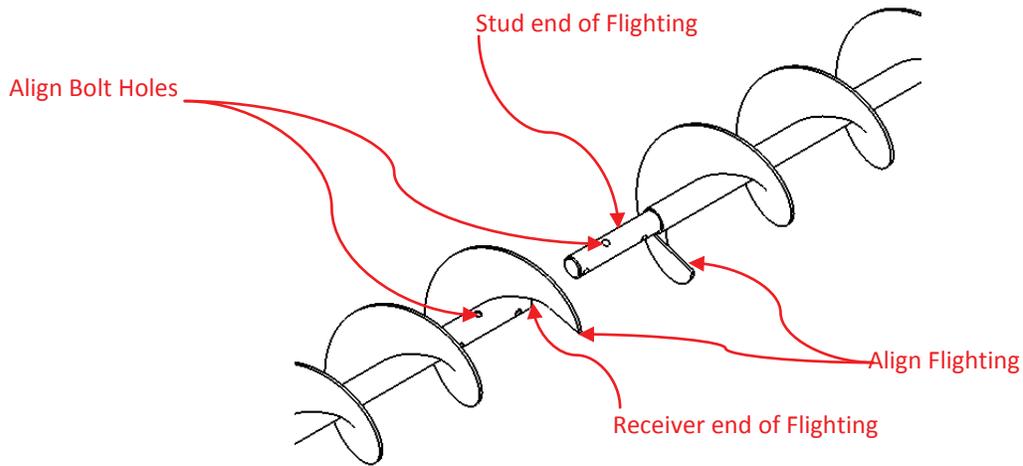


FIG 1- 1

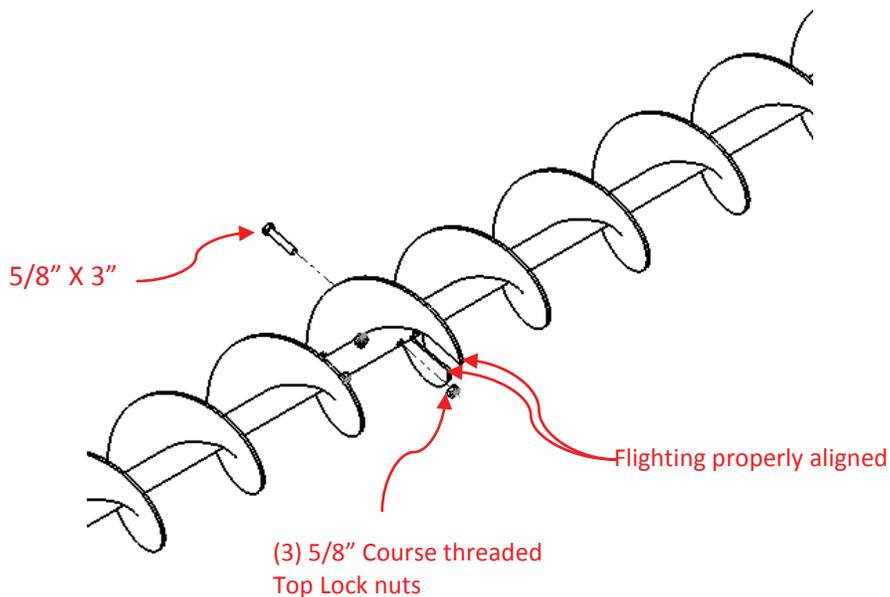


FIG 1- 2

Step 2

- 1) After this section of flighting is tightened slide the two tubes together and align the holes, as in figure 2.1, a long tapered punch works best.

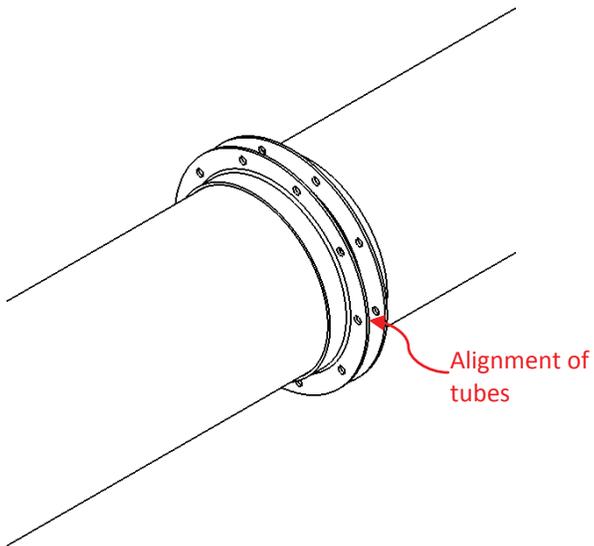


FIG 2- 1

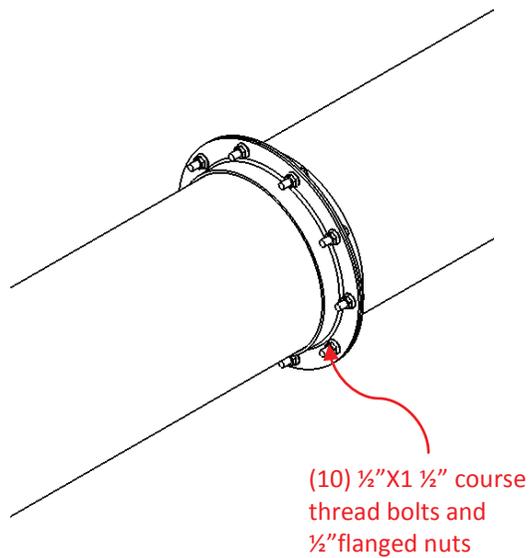


FIG 2- 2

Step 3

- 1) Then you install a total of (10) 1/2" X 1 1/2" course thread Hex Bolts and 1/2" course thread flanged Nuts, as in figure 3.1, the use of a long tapered punch works to align bolt holes best.

- 2) At tube #4 on the top side you will want to install the top and bottom (2) (4 total) $\frac{1}{2}$ " X $1\frac{1}{2}$ " course thread Hex Bolts and $\frac{1}{2}$ " course thread Top Lock Nuts to a snug fit so that you can install the quick link chain truss cable bracket,
- 3) Then install the cable bracket and remaining $\frac{1}{2}$ " X $1\frac{1}{2}$ " course thread Hex Bolts and $\frac{1}{2}$ " nuts

Step 4

- 1) after all bolts are in make sure to tighten them all down, work your way back down the tubes, so that you can recheck and make sure you have not missed installing or tighten the tube junction bolts.

Discharge Assembly Installation

Step 5

- 1) You are ready to install the Discharge Assembly, (fig5-1) if you are transporting the auger you will need to install the red flag provided to you.
- 2) Slide the discharge assemble down over the fighting at the top of the auger.

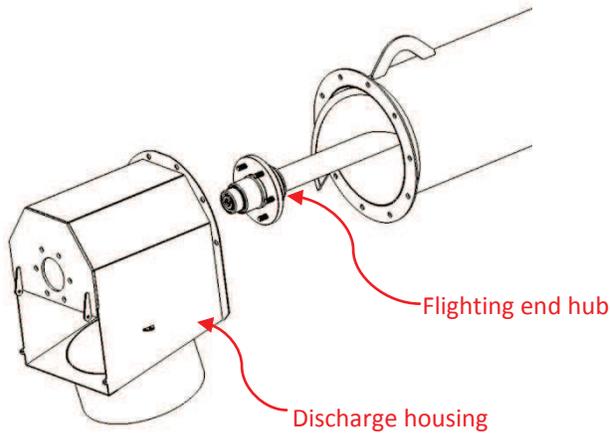


FIG 5- 1

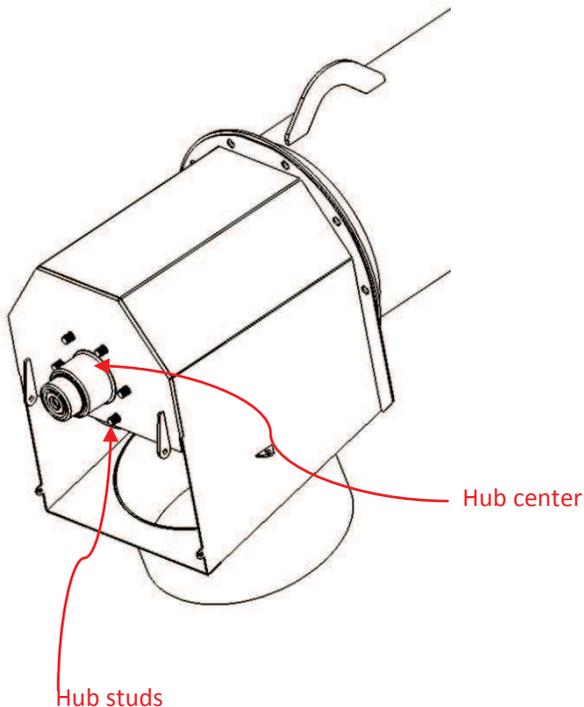


FIG 5- 2

Step 6

- 1) Watch the hub and line up the hub studs and the holes in the discharge assembly outer housing and finish sliding the discharge assembly down so that it bottoms out onto the hub, (fig5-2) and install the (6) ½" fine threaded lug nuts and ½" lock washers, have them flip over using the flat side of the nuts against the discharge assemble with lock washers between the nuts and discharge assembly.

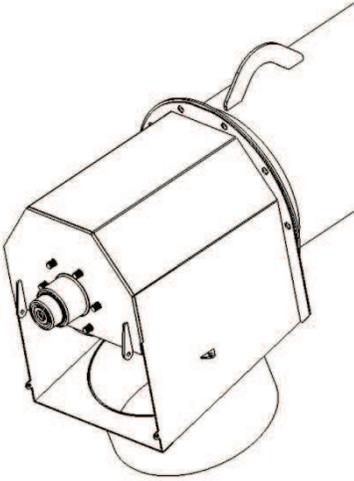


FIG 6- 1

Step 7

- 1) Using (10) ½" X1 ¼" bolts and flanged nuts, bolt the discharge assembly to the auger tube flange.
- 2) The bottom four bolts need to be inserted so that the bolt heads are on the inside, (fig 7.1) threads on the outside of the discharge assembly so as to not be an area to slow down grain flow.

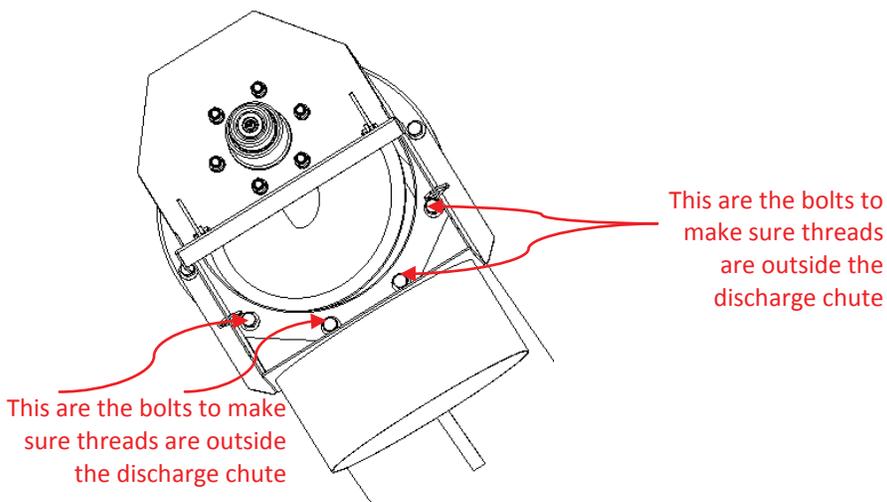


FIG 7- 1

Step 8

- 1) Now with all bolts tighten down take the (2) 4" coiled springs with hooks on both sides open the overflow lid on the discharge assembly (fig 8-1) and block it open with a block of wood, now hook the springs on the eye hook on the inside of the discharge assemble on both the left and right sides.

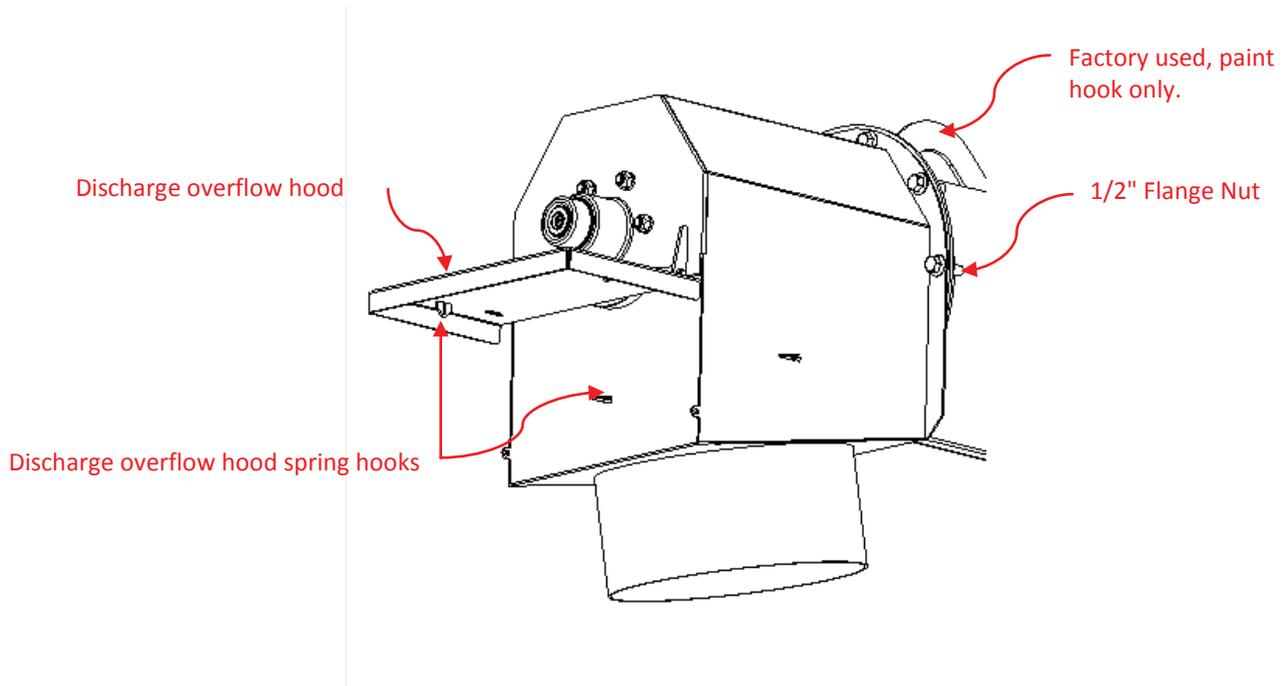


FIG 8- 1

Step 9

- 1) Take a set of pliers and grab a hold of the spring with them and stretch it to the lid and hook it onto the eye hooks on the inside of the lid.
- 2) Make sure that both springs are hooked up.

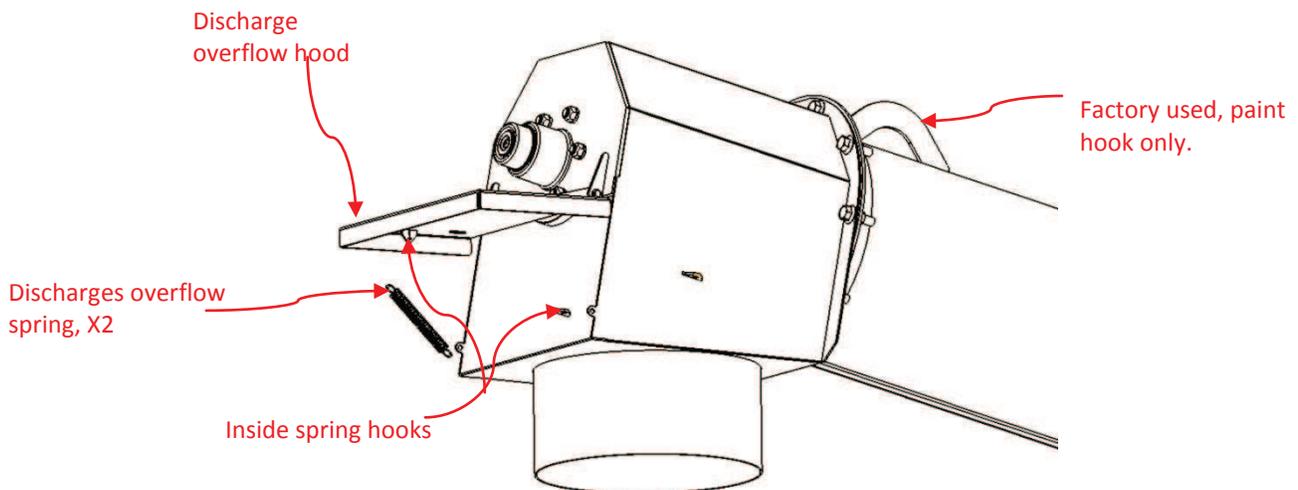


FIG 9- 1

You're ready to install the In-Feed Housing

Step 10

- 1) Start by sliding the in feed housing over the flighting that is protruding for auger tube one,
- 2) The in feed will have the tongue on one side and an opening the same size as the auger on the other,
- 3) Slide it back till it is against the auger tube flange, take (6) $\frac{1}{2}$ " X $1\frac{1}{2}$ " flange bolts insert them so that the bolt heads are on the tube side and the thread are on the in feed side, the (4) bottom $\frac{1}{2}$ " X $1\frac{1}{2}$ " bolts are inserted so that the threads are on the tube side and the heads or on in feed side, use (10) $\frac{1}{2}$ " flange nuts tighten all bolts.

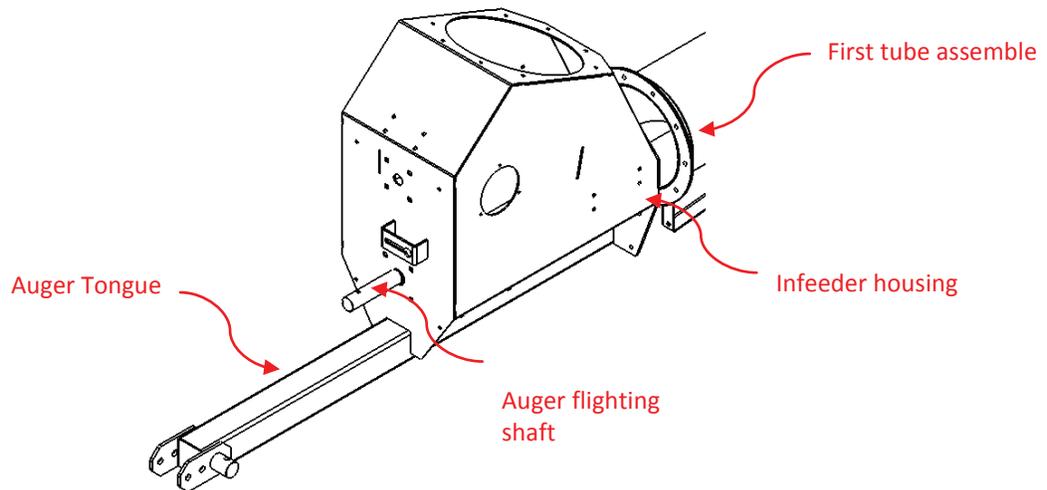


FIG 10- 1

Step 11

- 1) Take the bearing with the 4 bolt square housing, $1\frac{1}{4}$ " inside bore and eccentric locking collar,

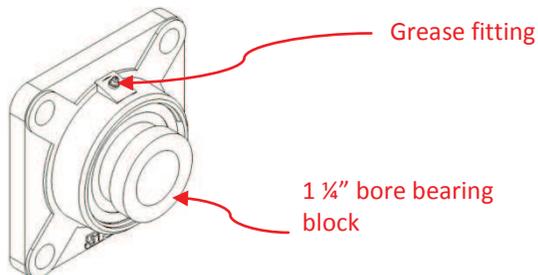


FIG 11- 1

- 2) Slide it over the top shaft which is located and protruding outwards towards the top of the in feed assemble, use (4) $\frac{1}{2}$ " X $1\frac{1}{2}$ " flange bolts and place the $\frac{1}{2}$ " flange nuts on thought the bottom inspection hole from inside of the in feed housing, making sure that the grease fitting is pointing up,
- 3) Push on the locking collar against the bearing, turn the collar clockwise to lock, using a punch tap the lock collar till tight. Tighten set screw on lock collar using Allen wrench.

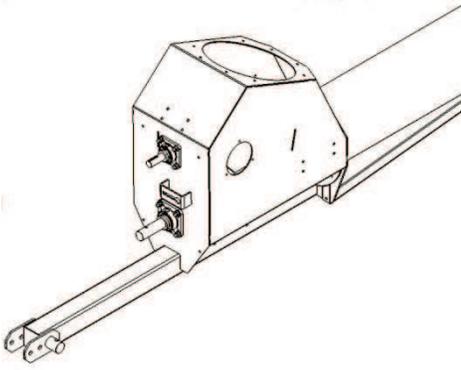


FIG 11- 2

Step 12

- 1) Locate the bearing cover and the bearing 4 bolt square housing, 1 3/4" inside bore and eccentric locking collar

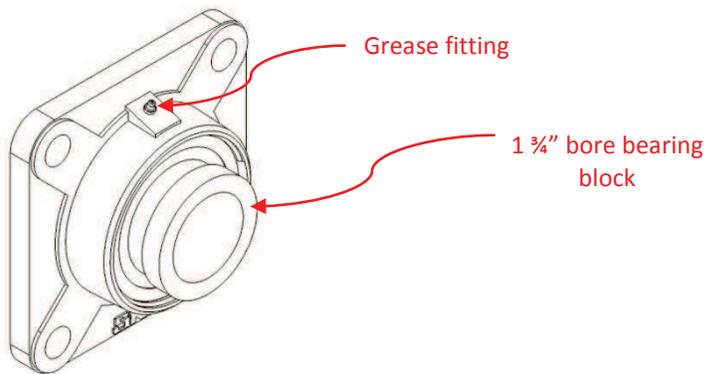
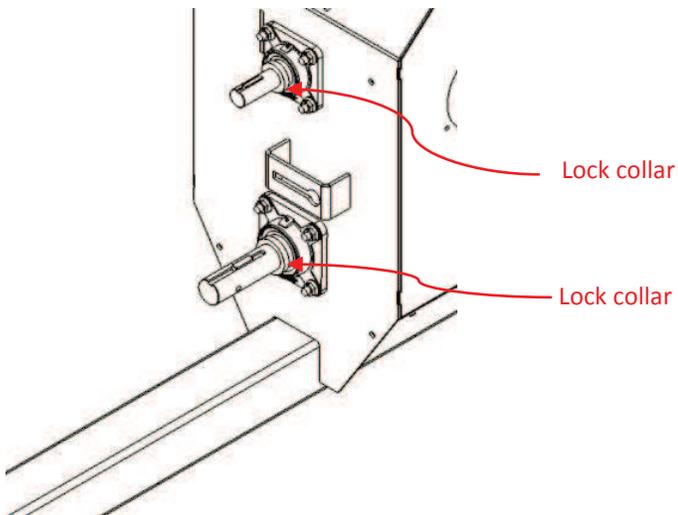


FIG 12- 1

- 2) Slide it over the bottom shaft with the grease fitting on the left side, use (4) 1/2" X 1 1/2" flange bolts and place the 1/2" flange nuts on through the bottom inspection hole from inside of the in feed housing, tighten bolts.
- 3) Take the lock collar and slip it over the shaft and push it against the bearing turn the lock collar counter clockwise, using a punch and hammer to tap it to lock it, tighten the set screw on the lock collar with a Allen wrench



Step 13

- 1) Turn both shafts so that the keyways are facing up, tap the key stock into the top shaft now place the first of two key stock for lower shaft keeping it 1" from the lock collar tap it in,

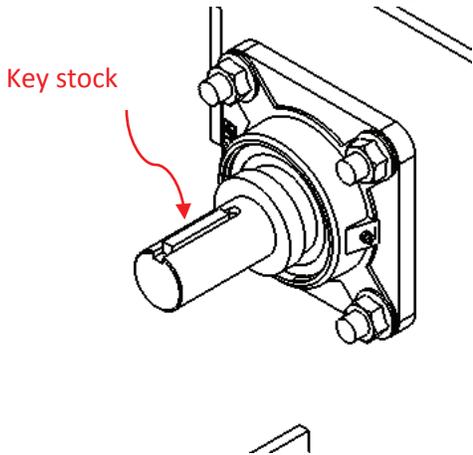


FIG 13- 1

- 2) Take sprocket part #11052 and slide it on the top shaft, take sprocket part #10555 and slide it onto the lower shaft

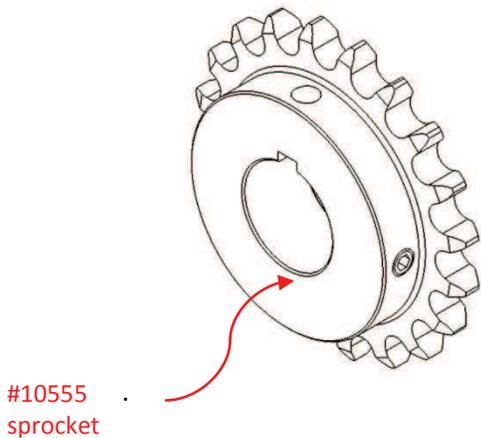


FIG 13- 2

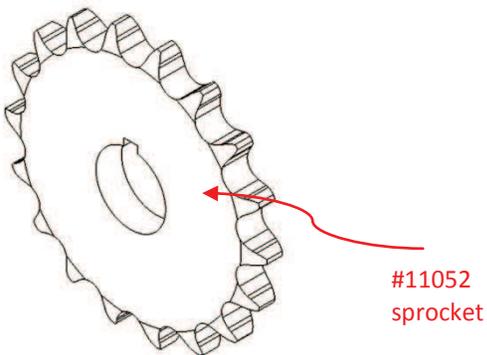


FIG 13- 3

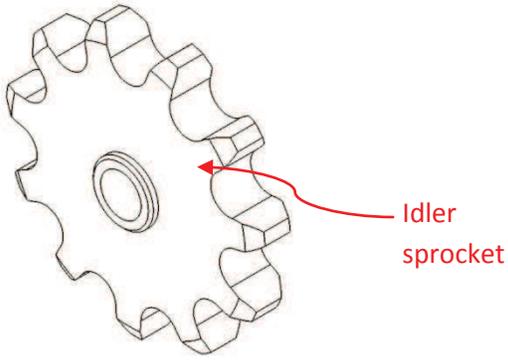


FIG 13- 4

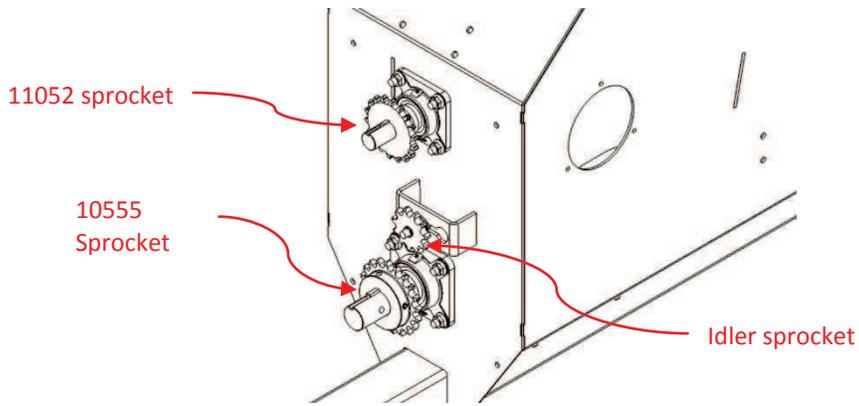


FIG 13- 5

Step 14

- 1) Take the $\frac{1}{2}$ " x 2" carriage bolt and place it through the hole on the bracket for the idler sprocket and slide it toward the other sprockets now place the (7) $\frac{1}{2}$ " flat washers on the bolt you may want to put a piece of tape on them to hold them in place.

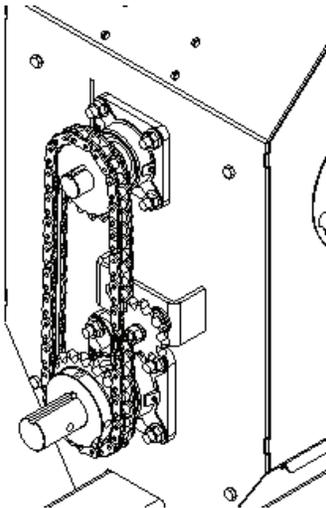


FIG 14- 1

Step 15

- 1) Take idler sprocket part #10300 and slide it onto the $\frac{1}{2}$ "X 2" carriage bolt with the (7) flat $\frac{1}{2}$ " washers

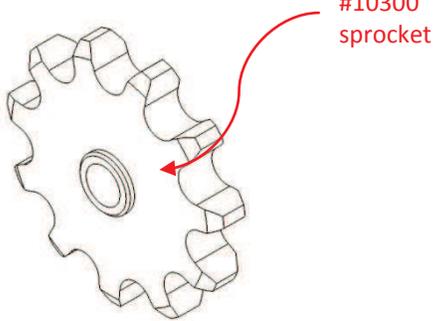


FIG 15- 1

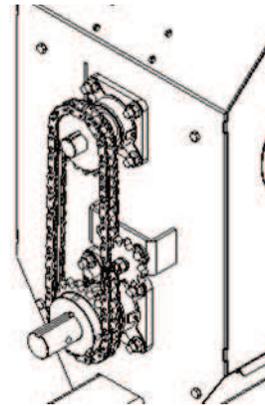


FIG 15- 2

- 2) Take the #60 chain part

#10552A



FIG 15- 2

- 3) lay it around the two sprockets so the gap meets on one side or the other or the top of the top sprocket whichever is easier for you,
- 4) Take part # 10822 $\frac{1}{2}$ link

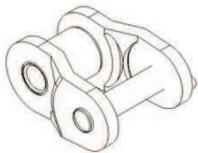


FIG 15- 3

- 5) and part # 10553

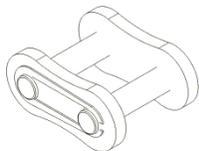


FIG 15- 4

- 1) chain connector and connected the chain then slide the idler in to take up the slack in the chain

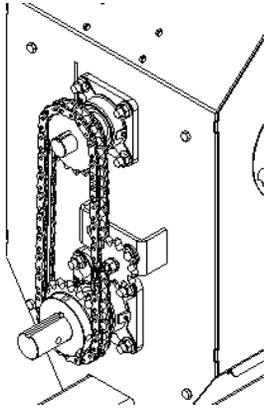


FIG 15- 5

Drive line (PTO) installation

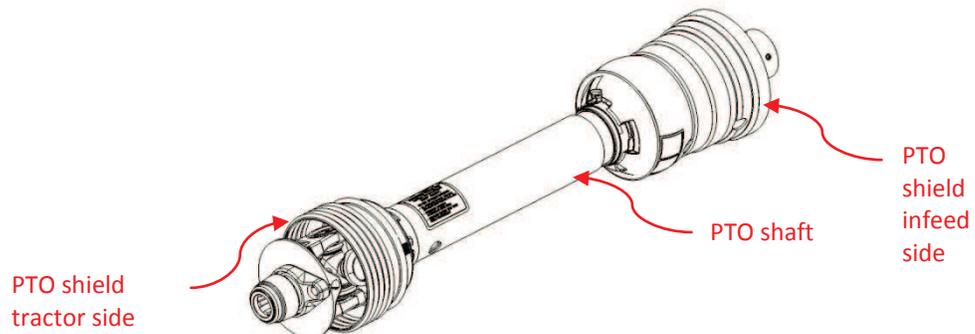


FIG 16- 1

Step 16

- 1) Tap in the 2nd key stock into lower shaft about ½" from sprocket, take the drive line (PTO) and slip it on the lower shaft.

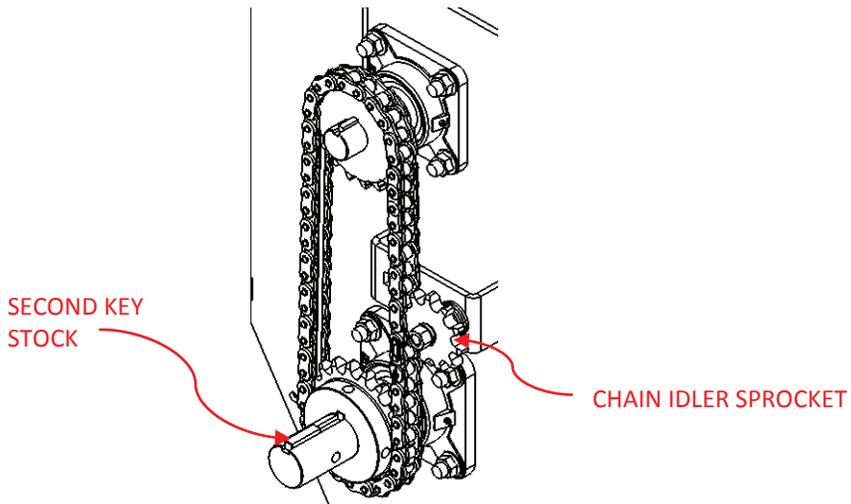


FIG 16- 2

- 1) Line up the PTO holes with the holes in the lower shaft and take 3/8" X 3/4" thread cutting bolt, install into the holes and tighten bolt.
- 2) Place the chain guard (FIG 16-3) over the drive line(PTO) and push it against the in feed assemble line up bolt holes and place (4) bolts 3/8"X 3/4" self-cutting thread bolts

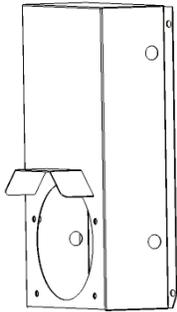


FIG 16- 3

- 3) Locate the chain guard cover (FIG 16-4) this guard is slotted to allow you to slide it up from the bottom side of the drive line (PTO), align holes and tighten using 3/4" X 1" UNC Flanged headed bolts.

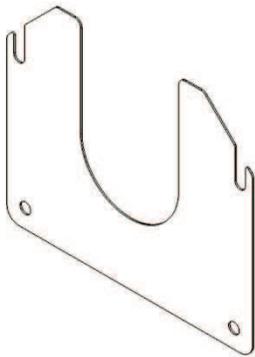


FIG 16- 4

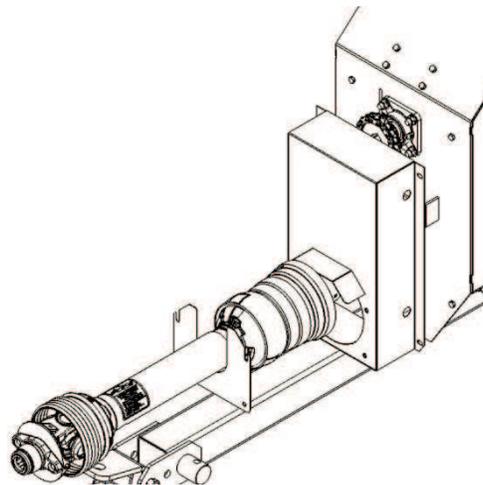


FIG 16- 5

- 2) Locate the drive line (PTO) transport arm mount (FIG 16-6) the bracket to the intake feeder housing by using (4) 3/8" X 3/4" flange bolts and 3/4" flange nuts, see (FIG 16-8)

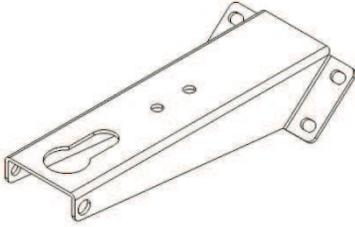


FIG 16-4



FIG 16-5

- 3) Take the drive line (PTO) safety chain support (FIG 16-7) and mount the chain to the end of the drive line (PTO) transport support bracket, using (1) 3/8" X 1" flange bolt and 3/8" flange nut now loop chain around the drive line (PTO) shaft and place the hook through the other hole on the transport support bracket (FIG 16-8).

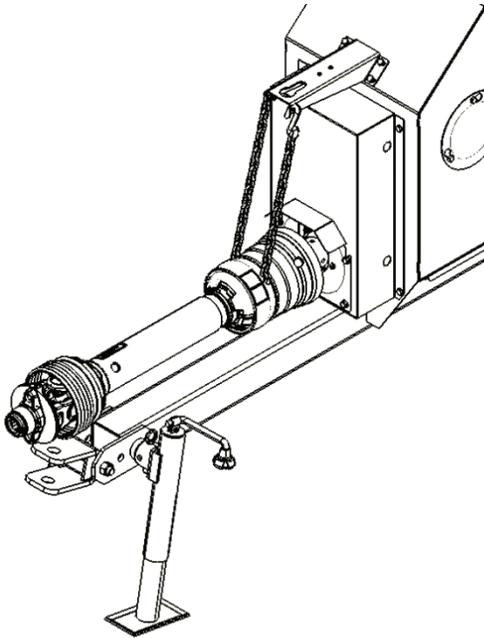


FIG 16-6

- 1) Grease all bearings every 50 hours of use.
- 2) Grease PTO Shaft (both ends) every 50 hours of use.
- 3) Lube #60 heavy drive chains daily.

Jack Stand installation

Step 17

- 1) Locate the jack stand (FIG 17-2)
- 2) now to mount it to the hitch, there is a stub tube

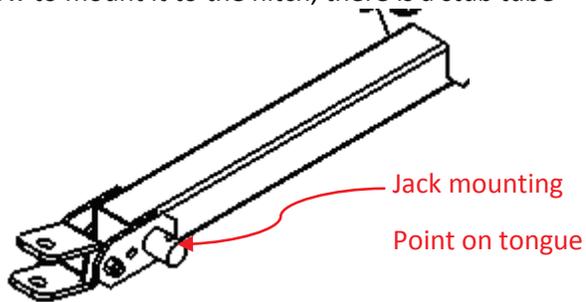


FIG 17- 1

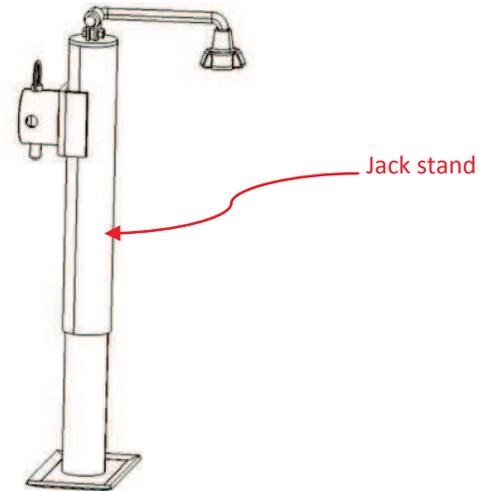


FIG-17- 2

- 3) (FIG 17-1) with holes drill in it slide the jack over the tube and align the holes for the jack to be in the working position (jack holding the tongue off the ground) slip pin through the holes on the jack and stub tube this will keep the jack in place
- 4) When transporting the auger rotate the jack to lay in line with the tongue after hitching to transport vehicle, by rotating the handle so that the pad come off the ground at a convenient height, now removing the pin and swivel the jack so the handle is towards the clevis hitch reinsert the pin. Reverse this process to remove auger from transport vehicle.

Installation of clean out and cover plates

Step 18

- 1) Locate the cleanout plate (FIG 18-1)

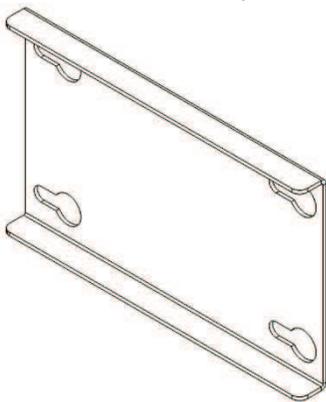


FIG 18- 1

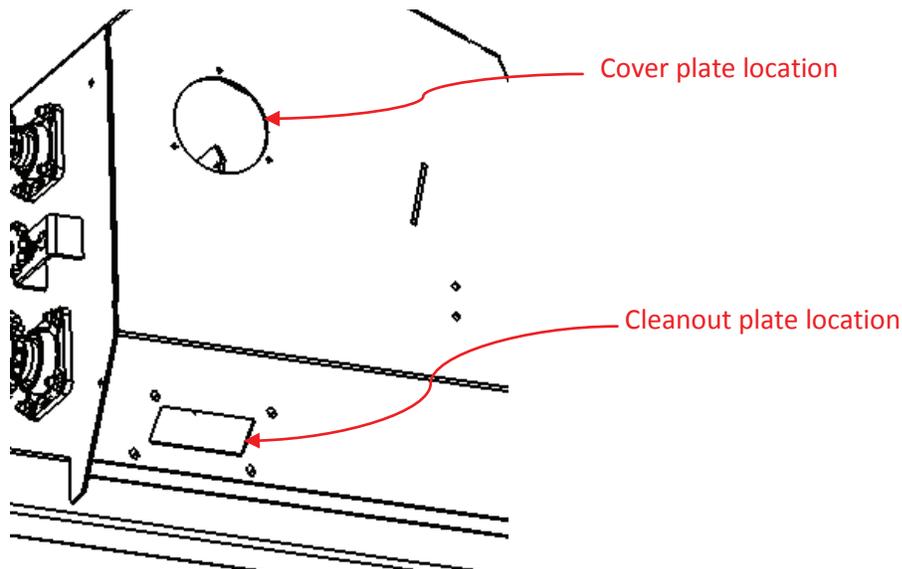


FIG 18- 2

- 1) And the (4) $3/8'' \times 3/4''$ self-thread cutting bolts, when looking at the in feed housing from the tongue side back towards the tubes the cleanout cover will go on the bottom right hand side of the in feed housing place cover align holes and insert the (6) $3/8'' \times 3/4''$ self-thread cutting bolts and tighten.
- 2) Locate the round cover plates



FIG 18- 3

- 3) Locate the (6) $3/8'' \times 3/4''$ self-thread cutting bolts, align holes and insert the (4) $3/8'' \times 3/4''$ self-thread cutting bolts and run them up snug but do not tighten them.

Swing hopper lift arm

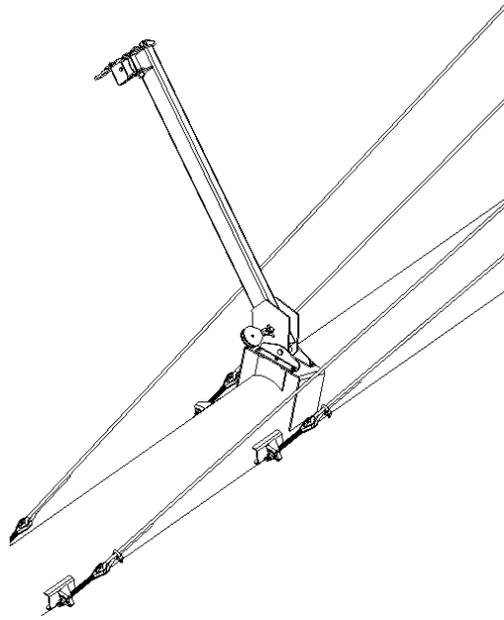


FIG 19- 1

Step 19

- 1) Locate $\frac{1}{2}$ " X $3 \frac{1}{2}$ " pin and hairpins,

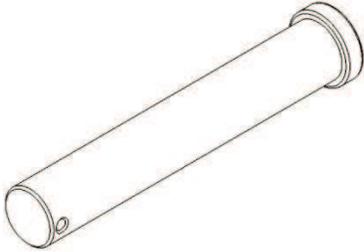


FIG 19- 2

- 2) Swing hopper lift arm, and 2 hopper transport arm brackets, with (6) $\frac{3}{8}$ " X 1" flange bolts and nuts, loosely attach to auger, put transport lift arm on with $3 \frac{1}{2}$ " pin and hairpin. Tighten all six flanged nuts.

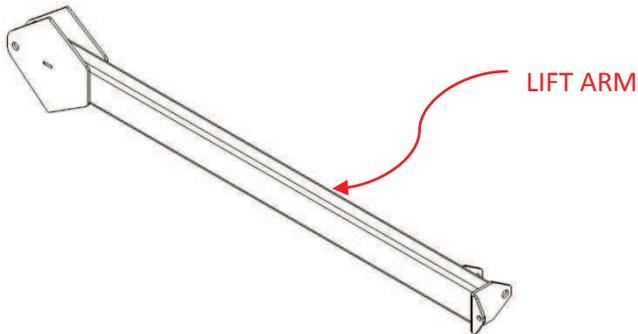


FIG 19- 3

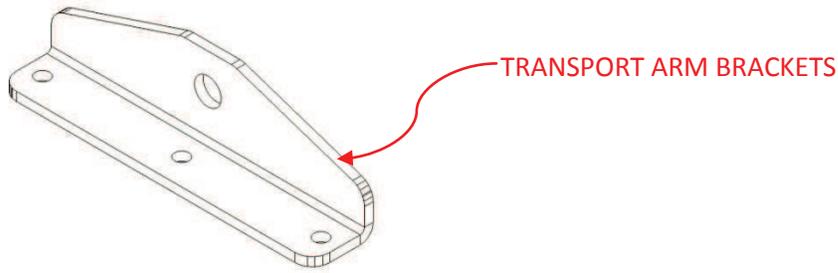


FIG 19- 4

- 3) Locate the Swing hopper pulleys (FIG 19-5, FIG 19-6)

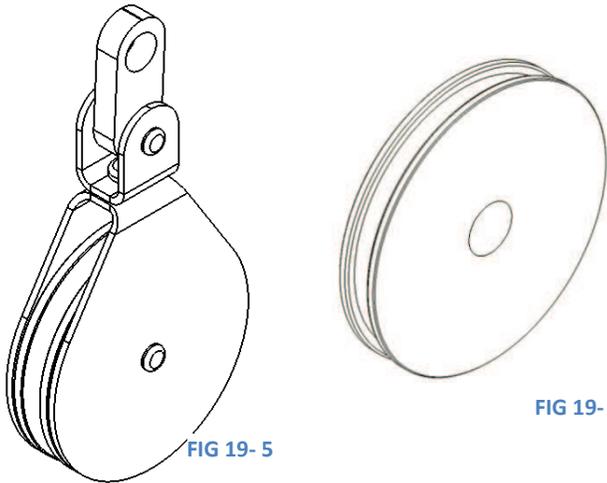


FIG 19- 5

FIG 19- 6

- 4) Locate the Swing hopper transport safety chain, Using a 3/8" x 1 1/2" bolt push through the pulley, Attach to the top side of the bracket hopper transport arm, see FIG 19-1 Tighten the bolt on the pulley using a lock nut Do not tighten all the way only till the lock nut is fully threaded.
- 5) Use a lock nut to tighten Have someone take a 5 1/2' board and place it against the upper bolt of the swing hopper transport arm, as you lower the front of the auger.
- 6) Once lowered the auger should have a slight bow upwards.

Installing the hydraulic lines and valves

Step 20

- 1) Locate the hydraulic shut off valve (FIG 20-1)

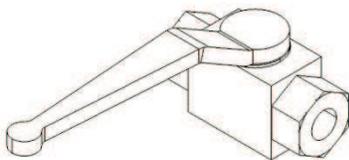


FIG 20- 1

- 2) Hold so writing on valve is facing you, Apply Teflon on the pipe side of the fitting, Take 84" hose and attach to right side, Take 8010-4 and connect to other end of 84" Pioneer fitting, wrap around PTO bracket, Take the long (540") hydraulic hose and attach to the opposite side of the valve
- 3) Run along tube and attach with (p) cable clamps.

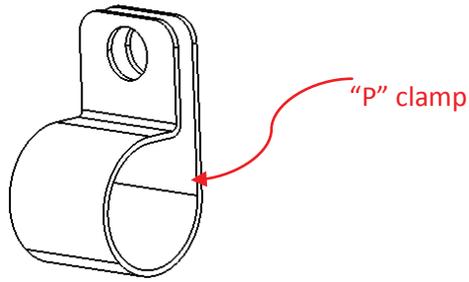


FIG 20- 2

- 4) Place a hose clamp on both sides of the shut off valve on the hose, Put the hose clamps over the bolts sticking out of the intake hopper, Using a 1/4" nut, tighten

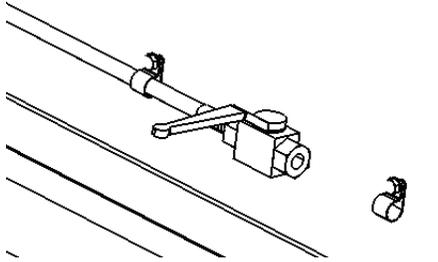


FIG 20- 3

- 5) Locate the 540" hose, Clamp long hydraulic hose onto the side of the auger, using the hose clamps place them on the hydraulic hose and slip them on the bolts already on the auger.
- 6) Leave a little slack in the hydraulic hose between the bolts, Loop the hydraulic hose to the inside of the bottom scissor lift bracket.
- 7) Pull hose all the way through the bracket.

Installation of cable brackets

STEP 21

- 1) When installing the brackets for the cables put in the ½ cable clamps, one in the short bracket and the tall ones,(FIG 21-1,21-2) and the mast will take two,(FIG 21-4) the outriggers(FIG21-3)will take one also but they can be installed when you run that cable
- 2) it will be easier to install them before you bolt the up to the tubes but make sure not to tighten them so you can feed the cable thought

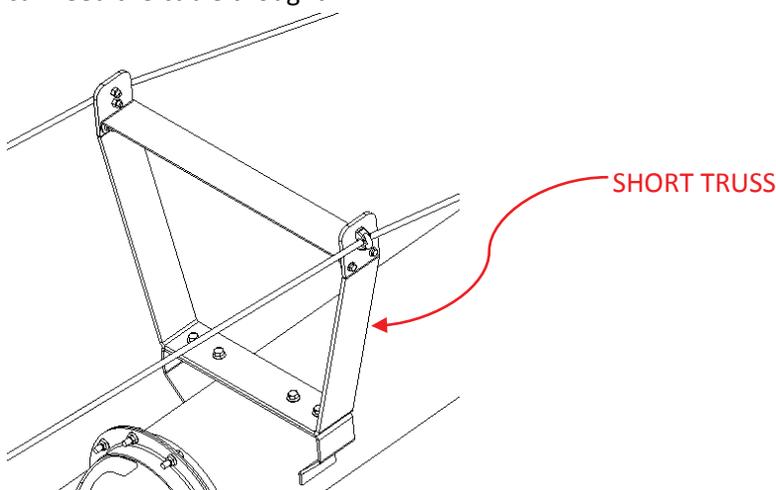


FIG 21- 1

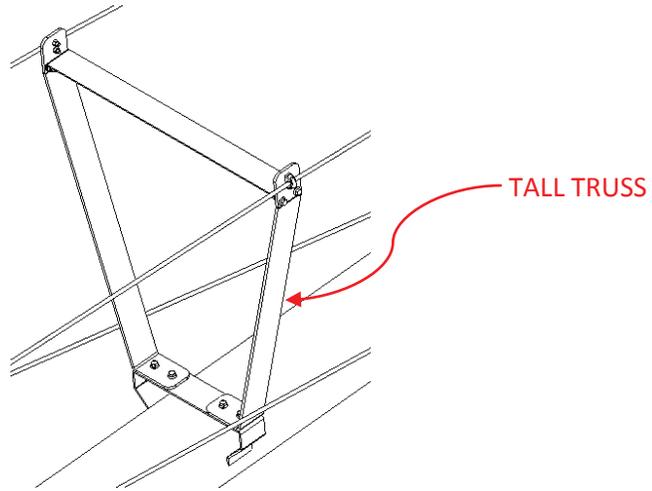


FIG 21- 2

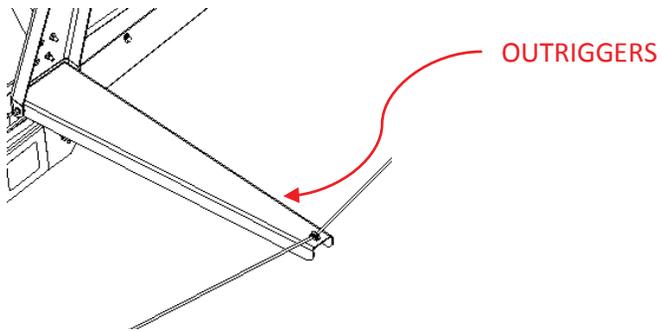


FIG 21- 3

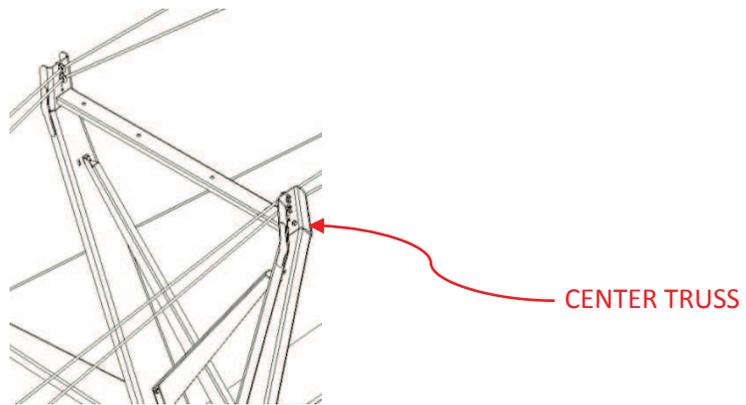


FIG 21- 4

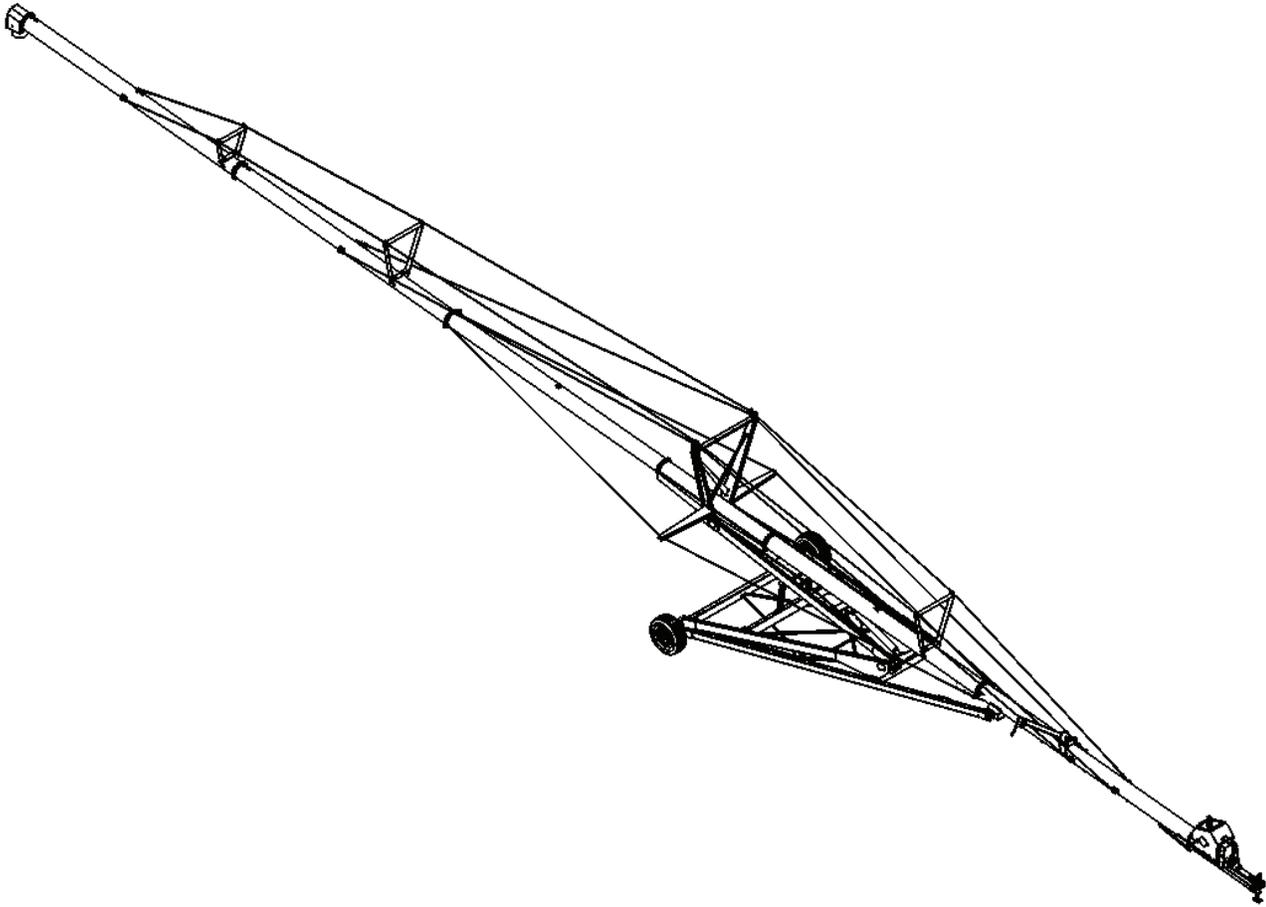


FIG 21- 5

Installation of backbone (option)

Step 22

- 1) On back brace make sure to install support brace brackets before installing backbone, they are not intended to be spread open and installed over the backbone tube, as they will not return to the shape they were sent, be careful to slide brackets over backbone without bolts as to move around paint tabs on backbone, spin one per side of the nuts all the way on backbone threaded shaft before you insert into bracket.
- 2) Lay the back bone tube in the middle up rights and insert the threaded shaft in to the brackets and install the other nut on the threaded shaft but do not tighten at this time rise the backbone up to the center brace and attach the backbone to the center mast but do not tighten bolts, now connect the truss braces to the auger tubes and back bone **but do not tighten at this time**

Installation of the cables

Step 23

- 1) lay the cables out $\frac{1}{2}$ "X 96' diameter cable closet to tubes then the $\frac{1}{2}$ "X 71' diameter then the $\frac{3}{8}$ "X 52'. The two $\frac{1}{2}$ " diameter cables will go up and over the center mast; the $\frac{3}{8}$ " will go on the outriggers.

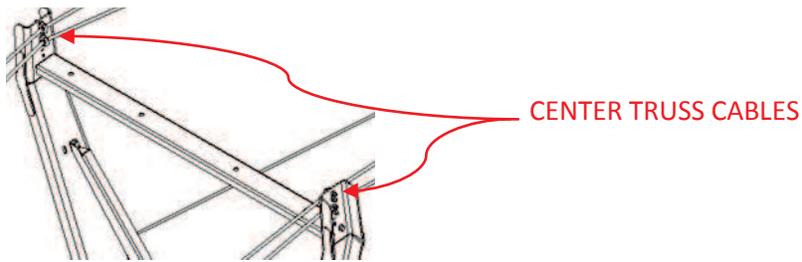


FIG 23- 1

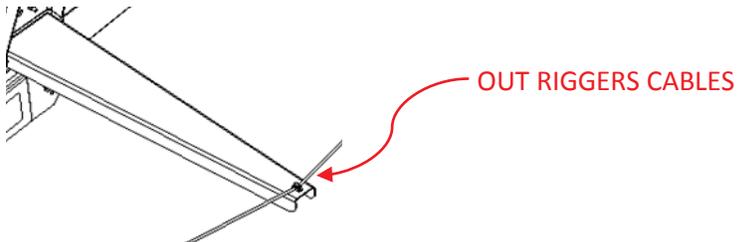


FIG 23- 2

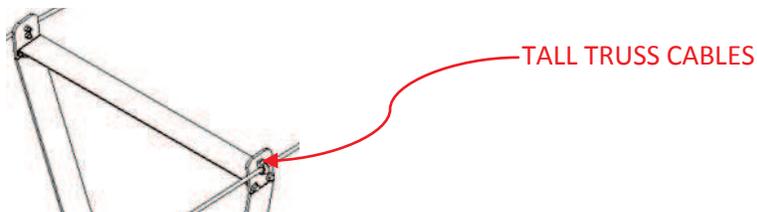


FIG 23- 3

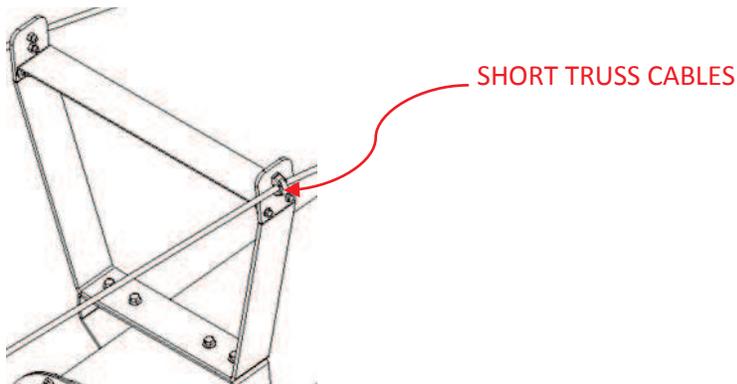


FIG 23- 4

- 2) Install the cable clamps in the center truss and trusses (FIG 23-1 THUR 4) ****but do not tighten them leave lose****,
- 3) Loosen the clamps nuts all but off so that you can slide 3 of them per 1/2" cable when you double it over, slide the clamps on the cable, lope the cable though the chain link you have on the bracket at tube connation's 4&5,

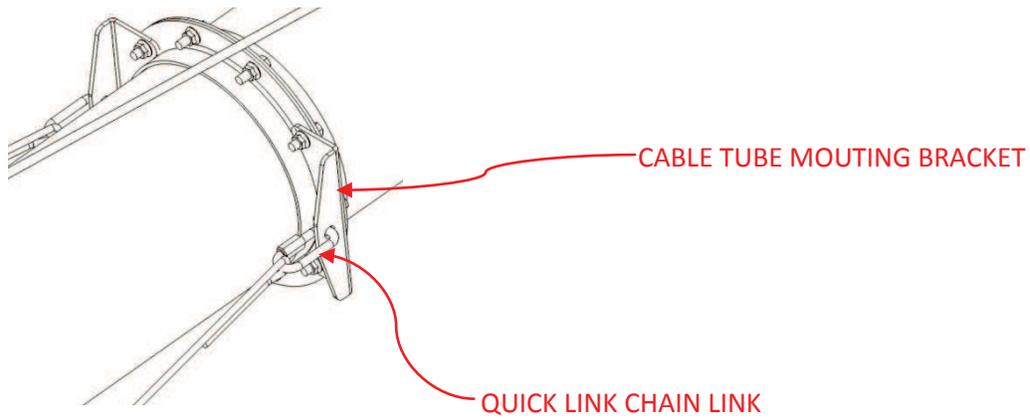


FIG 23- 5

- 1) Make sure to loop about 18" to 24" of cable, slide the first clamp as close as you can get it to the chain link, and make sure to place the saddle not the loop part of the clamp on the live end
- 2) AKA never saddle a dead horse (live end being the end that is running up and over the center mast the short end is the dead end (FIG 23-7).

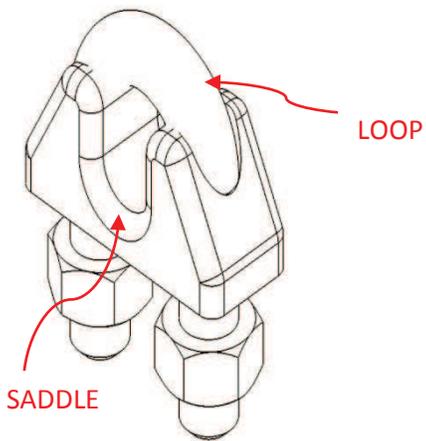


FIG 23- 6

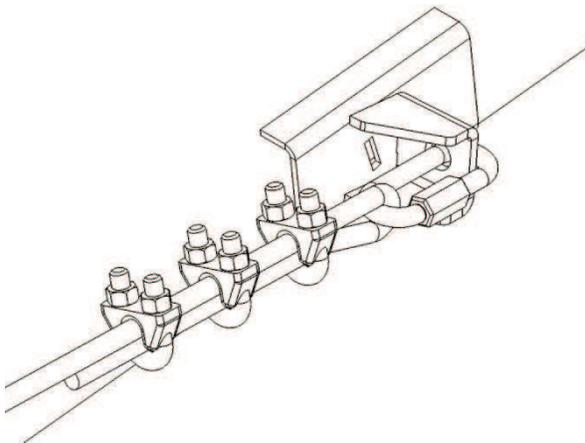


FIG 23- 7

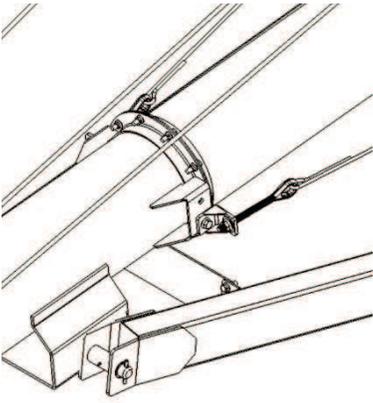


FIG 23- 8

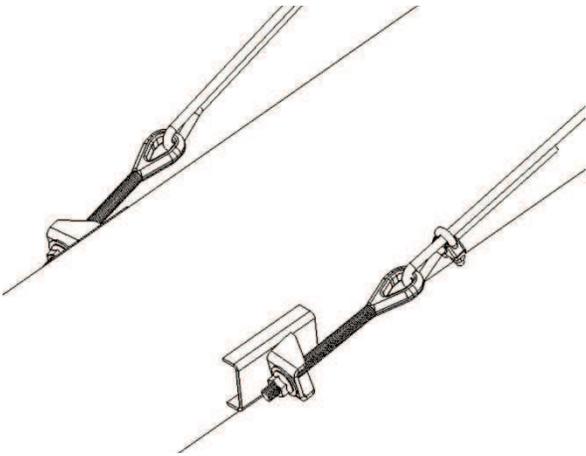


FIG 23- 9

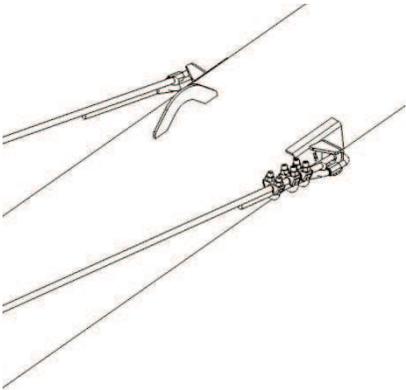


FIG 23- 10

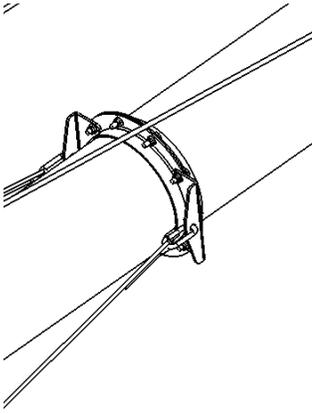


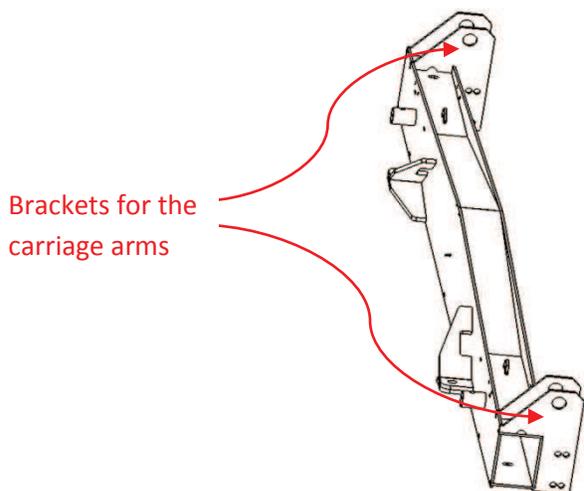
FIG 23- 11

- 4) Run the 96' cables through the uprights and center mast they will be the top one on the center mast and the only ones on the uprights, when you are running the cables through
- 5) Using a come-a-long to stretch and tighten the cable by attaching a clamp 2 ft to 3 ft up the cable and hook come-a-long to it and the clamp you have on the tail of the cable

You are now ready to assemble the Under Carriage

Step 24

- 1) Place axle on floor, (FIG 24-1) Place (2) 19 1/2' carriage arms on the floor(FIG 24-2).



Brackets for the carriage arms

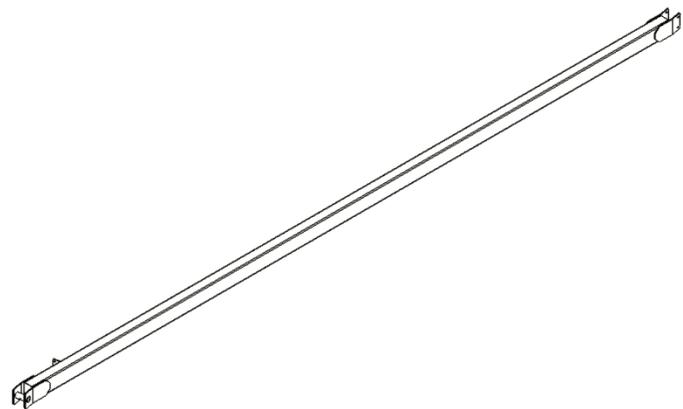
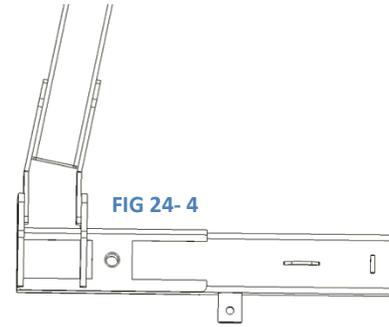
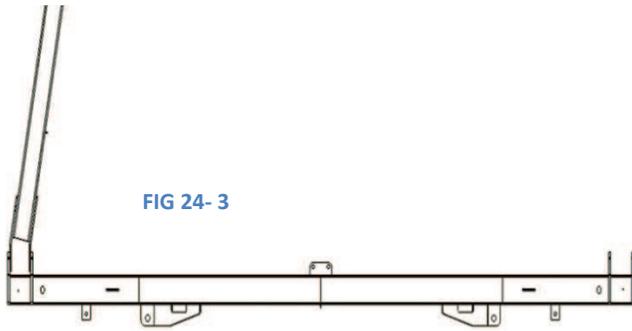


FIG 24- 2

FIG 24- 1

- 2) As you face the axle, the brackets for the carriage arms should be facing you, Take the right carriage arm and place it so that the bolt brackets is to the inside of the axle bracket (FIG 23-3) should fit like (FIG 24-4)



- 3) and place it so that the bolt brackets is to the inside of the axle bracket (FIG 23-3) should fit like (FIG 24-4)
- 4) Using (4) 5/8" x 1 1/2" Flange bolt and flange nuts, bolt carriage arm to axle bracket Follow these same steps for the left carriage arm Do not tighten bolts at this time. Carriage arms should now be attached to the axle(FIG 24-5)

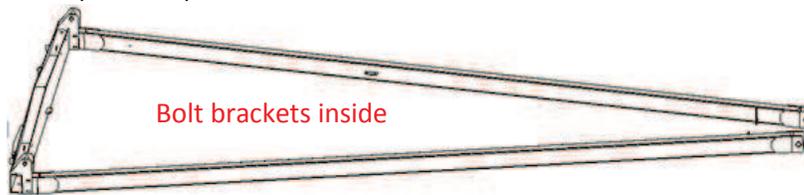


FIG 24- 5

- 5) Locate the cross tube for lower cylinder, Place it on the floor between the carriage arms with the hydraulic cylinder holes facing the axle (FIG 24-6)
- 6) Pace the hydraulic cylinder bracket 2/3 away from the axle.

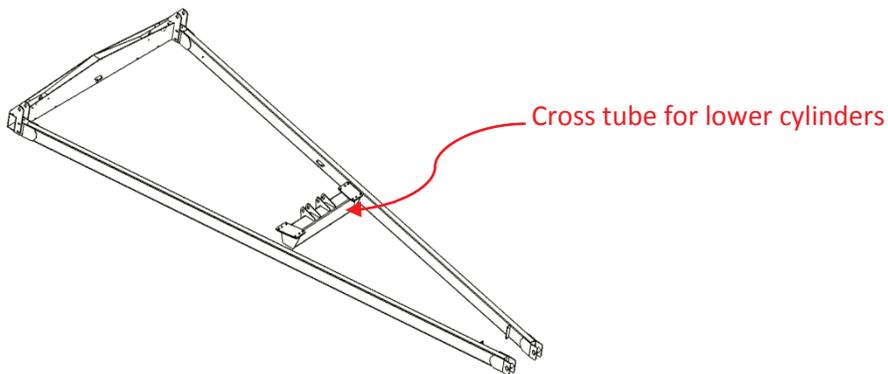


FIG 24- 6

- 7) Locate the left scissor arm (it has a lower truss welded to it FIG 24-7) make sure bracket is facing inwards when setting scissor arm down

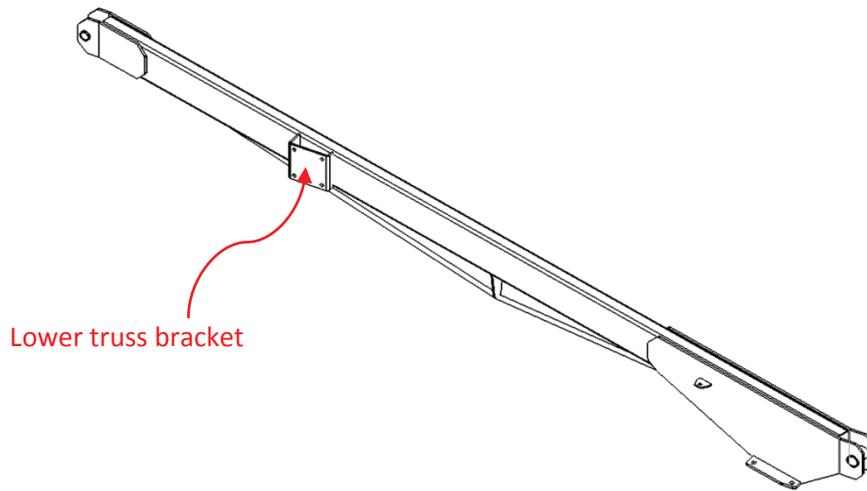


FIG 24- 7

- 1) Place lower scissor arm on the axle bracket, it will be just above the lower carriage arm, align the hole make sure on the other end that the plate on the lower scissor aligns with the hydraulic cylinder bracket plate locate (2) 1" x 4 1/2" Dowel pins with 2 washers.

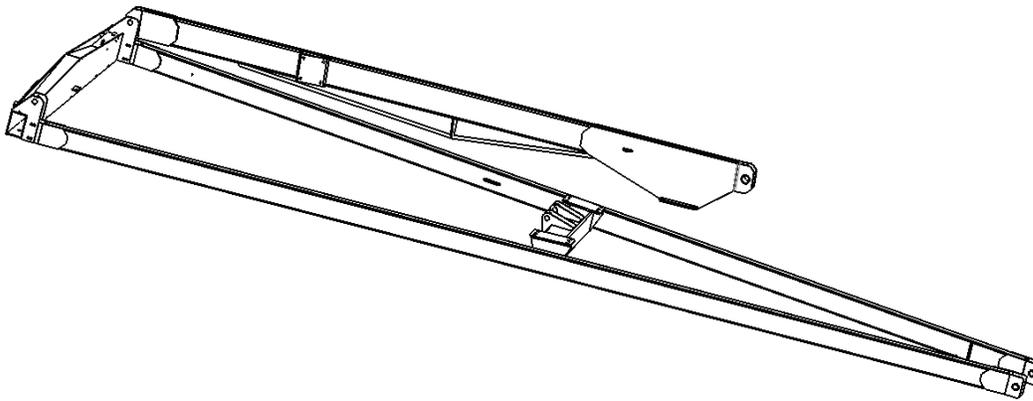


FIG 24- 8

- 1) Insert the Dowel pin with one washer on the outside into the hole in the axle bracket; push it all the way through.

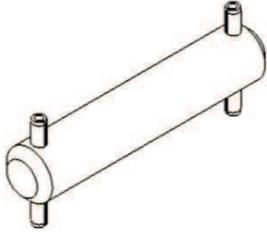


FIG 24- 9

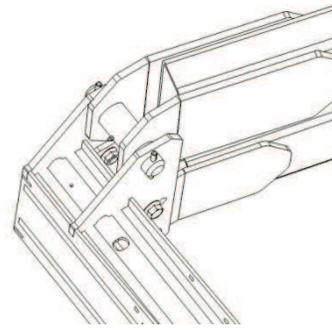


FIG 24- 10

- 2) Next place the 2nd washer on the Dowel pin and tap in the pin (FIG 24-10) move the lower scissor arm and once the holes are aligned with the hydraulic cylinder bracket, use (3) 5/8" x 1 1/2" flange bolts in the 3 holes leaving the inside hole open for now
- 3) **** Repeat Steps 8&9 for the opposite side lower scissor arm. ****
- 4) locate upper scissor arm bracket

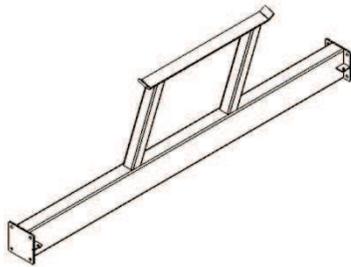


FIG 24- 11

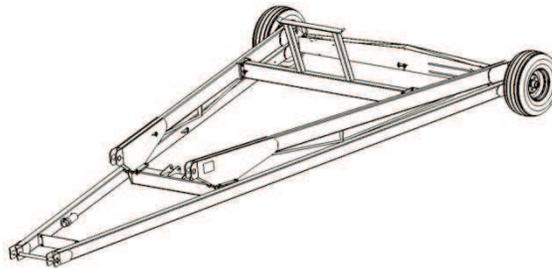


FIG 24- 12

- 5) Move the bracket in between the lower scissor arms aligning make sure that the upright rest arms are leaning forward, away from the axle. (FIG 24-12)
- 6) Use (3) 5/8" x 1 1/2" flange bolts and flange nuts tap in from the outside in Make sure that you leave the lower front bolt hole open for now
- 7) ****Do not tighten bolts for now. ****
- 8) Locate upper scissor arm
- 9) Hook strap to 17" scissor Dowel pin bracket,(FIG 24-13)
- 10) Take a 20" threaded bolt and spread open the lower scissor arms,

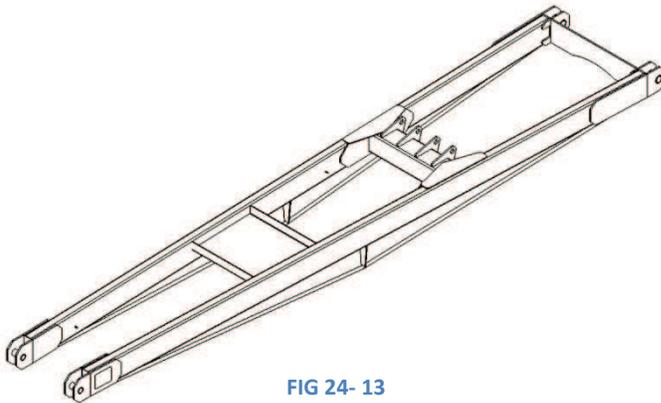


FIG 24- 13

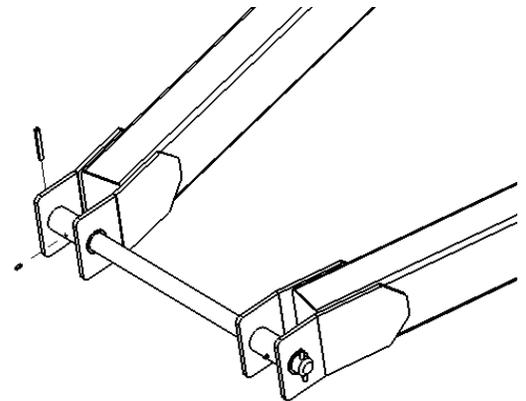


FIG 24- 14

in the 3/8" roll pin on one side(FIG 24-14)

- 11) take the 17" scussor pin and tap

- 8) Locate the (2) 1" washers, using one of them place it next to the lower scissor arm Dowel pin hole grease fitting, Tap in the 17" scissor Dowel pin
- 9) Once Dowel pin is tapped all the way through, place the 2nd washer on the pin Tap in the 2nd 3/8" pin, insert the grease fittings in the holes,(FIG 24-18)

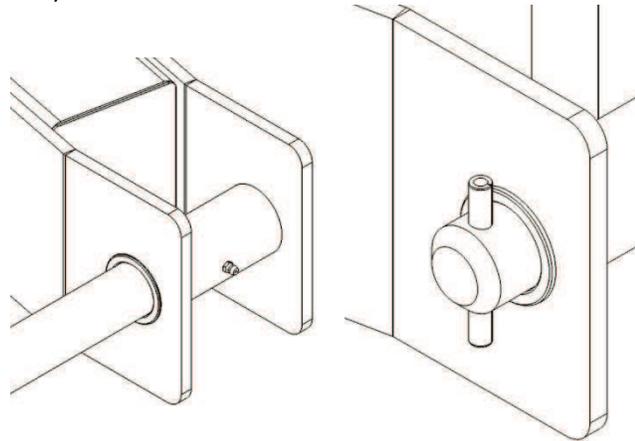


FIG 24- 18

- located on the bushings welded to the scissor lift arm, **Grease and tighten all main 5/8" carriage bolts**
- 10) Locate the hydraulic cylinder,



FIG 24- 19

- 11) Locate the 1 1/2" x 7 1/2" upper hydraulic cylinder Dowel pin & the 3/8" roll pins

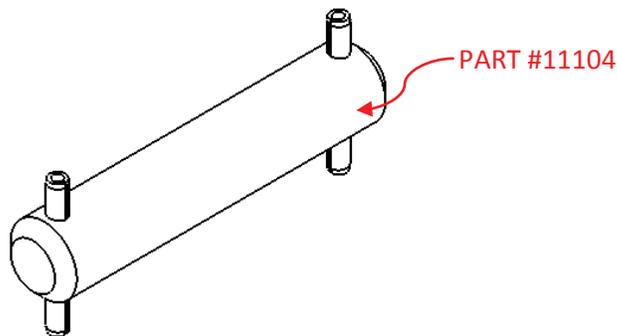


FIG 24- 20

- 12) Using a strap cinch it around the hydraulic cylinder and lift in between scissor lift make sure that the solid pin hole on the cylinder is facing towards the axle, then lift the cylinder so that the solid pin hole lines up with the cylinder brackets on the upper scissor arm, (FIG 24-21) and tap in the 1 1/2" x 7 1/2" upper cylinder Dowel pin
- 13) Once pin is pushed through all the way tap in the other 2" x 3/8" roll pin, Dowel hydraulic cylinder pin
- 14) locate the 1 1/2" x 6" cylinder Dowel pin & two 3/8" roll pins

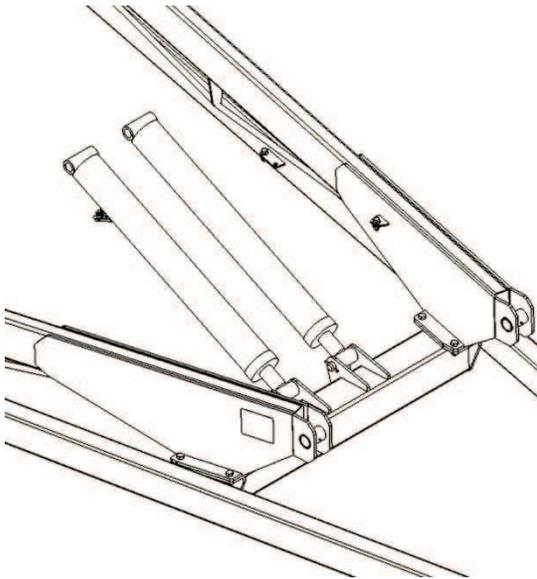


FIG 24- 21

- 15) Tap in the 3/8" roll pin into the cylinder Dowel pin Line up the lower end of the hydraulic cylinder the end that the ram pushed out of the cylinder with the brackets located on the lower cylinder mount bracket, push through the 1 1/2" x 6" cylinder Dowel pin Once pushed through all the way tap in the 2nd 2" x 3/8" roll pin
- 16) Lift up the scissor lift with a hoist,

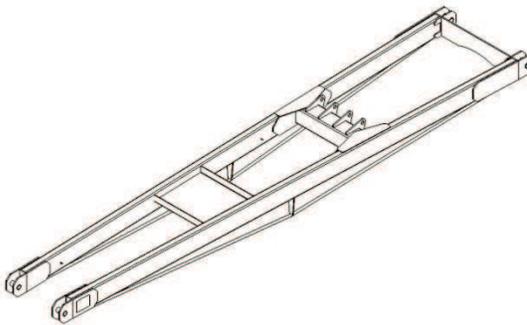


FIG 24- 22

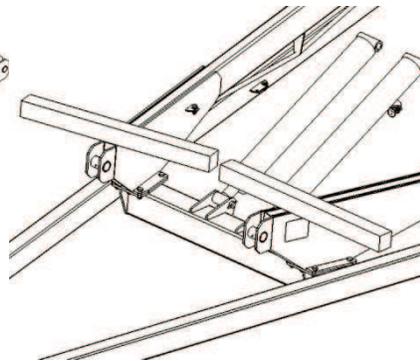


FIG 24- 23

- 17) Place a board on top of the carriage arms(FIG 24-23) and lower the scissor on to it,
- 18) Lift up one side of the axle

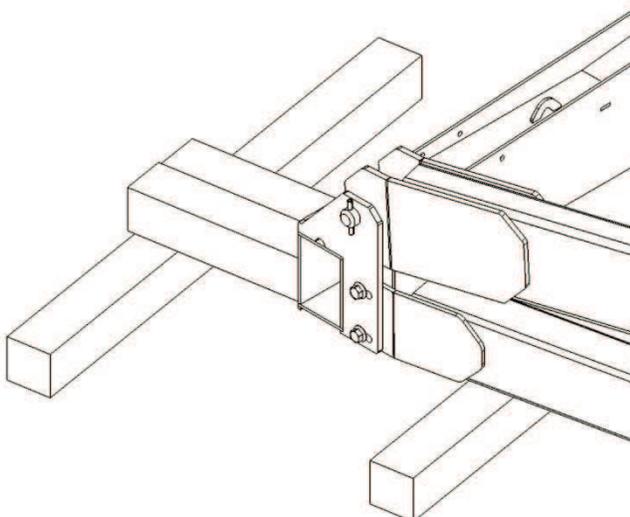


FIG 24- 24

- 19) Locate the axle extensions

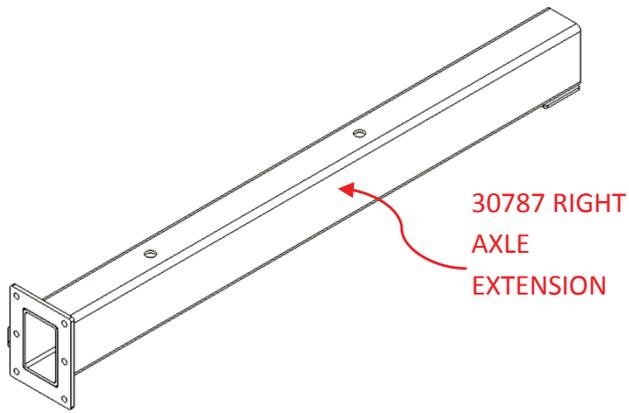


FIG 24- 25

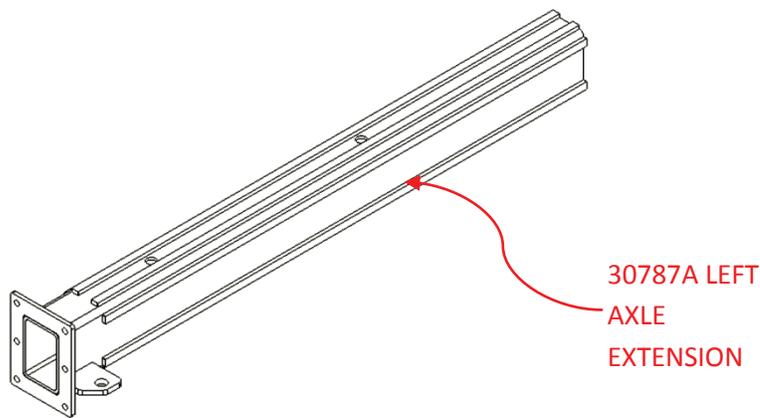


FIG 24- 26

20) Insert the axle extension in to the axle and put retaining pin and pin clip in the axle through the axle extension to lock in place.

21) Locate the wheel hub Place the wheel hub

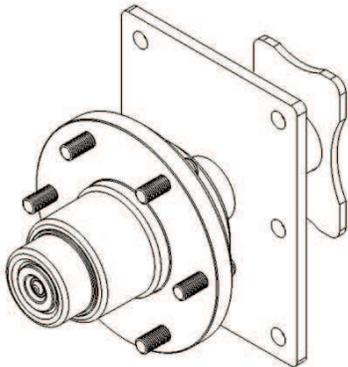


FIG 24- 27

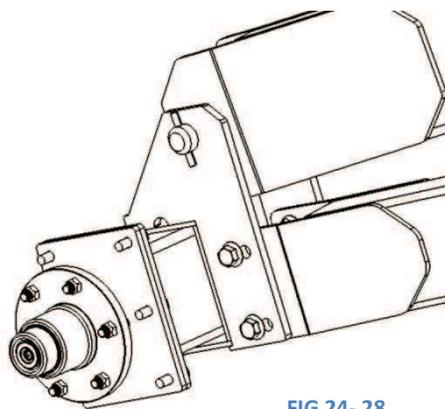


FIG 24- 28

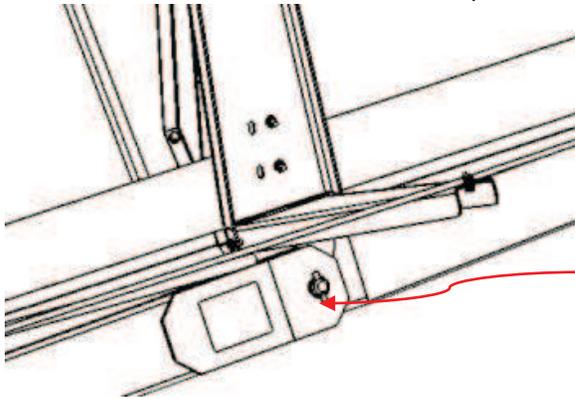
22) Place the wheel hub in the end of the axle extension and line up the holes and place (6) 1/2"x1 1/2" flange bolts and nuts, Tighten the wheel hub bolts.

23) Locate the large auger wheels,



FIG 24- 29

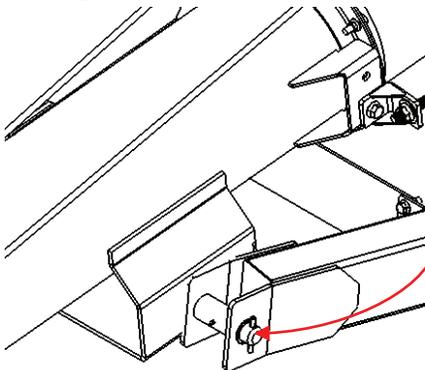
- 1) Place wheel on to the axle hub, Locate the (5) 1/2" lug nuts and tighten onto the wheel
- 2) ****Repeat Step 26 for the other side wheel**.**
- 3) Take a 1/2" threaded rod and place it in the holes on the top scissor lift spread the scissor arms to 10 3/4" Ideally lift up auger using two hoists attach lift strap and cinch onto auger
- 4) Lift auger so that the scissor bracket on the bottom side of the auger located on the 3rd tube is slipped in between the scissor arms Remove the 1/2" threaded rod.



MOUNTING POINT OF
CARRIAGE UNDER CENTER
MAST

FIG 24- 30

- 5) Align the holes on the scissor arms with the tube bracket using a punch Mount auger to scissor arms using (2) 1" x 2" grade 8 bolts with lock nuts, tighten the bolt
- 6) Now that you have the upper scissor arms attached to the auger, hook onto the part of the scissor lift that is resting on the wood block, Lift right up to a 1/4" from the auger tube
- 7) Make sure that you keep either a forklift or a hoist attached to the down spout end of the auger
- 8) Take the two carriage arms that are on the floor and lift them to the bracket under the auger tube located on the 1st tube.



MOUNTING POINT FOR
CARRIAGE UNDER 1ST
TUBE

FIG 24- 31

- 9) Attach carriage arms to bracket with 1" x 2" grade 8 bolts and lock nuts, Snug bolts so there is some movement.

- 10) Move to the carriage arm cross bracket and tighten, Remove the fittings from the hydraulic cylinder, and let oil drain out
- 11) Take the hydraulic hose that you have already attached to the side of the auger tube and push it through the auger tube scissor mount bracket Make sure that you leave a little slack in the hydraulic hose
- 12) Once you have the hose through the bracket, attach hose to the inside of the top scissor using your hydraulic hose clamps Make sure that you fish the hydraulic hose above the scissor rest arms
- 13) You also need to fish the hose between the angle brace and the outer scissor, up and over the cross brace
- 14) Locate the velocity fuse

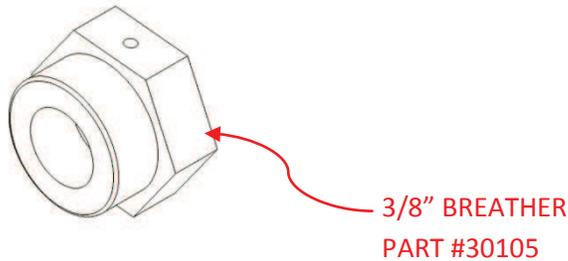


FIG 24- 32

- 15) install the velocity fuse into the upper end of the hydraulic cylinder
- 16) Attach T-fitting

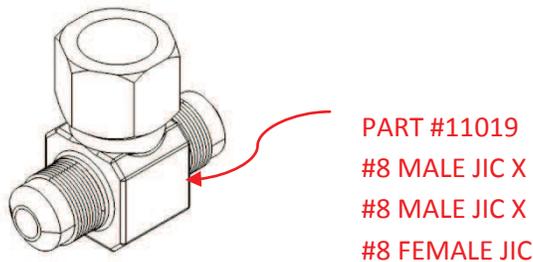


FIG 24- 33

- 17) to one end and 15 3/4 hose to other end. Attach diffuser to T-fitting and attach to cylinder. At end of 15 3/4 hose

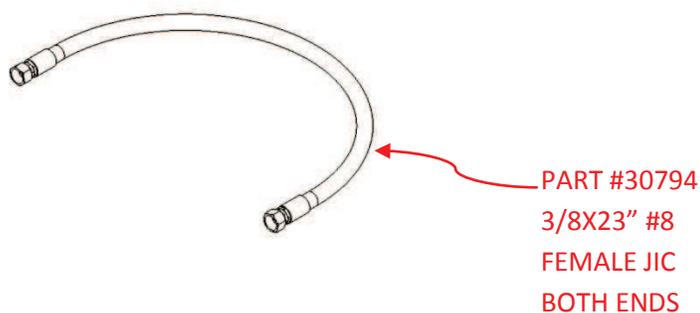


FIG 24- 34

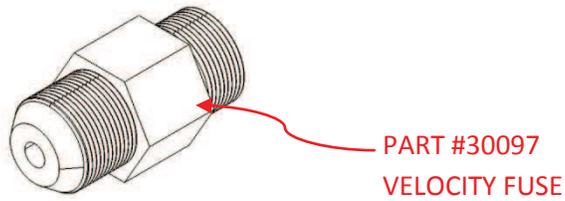


FIG 24- 35

24) attach 90-degree elbow

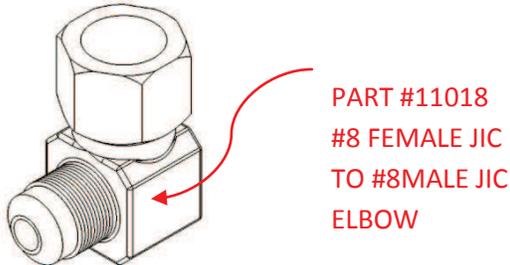


FIG 24- 36

- 25) with diffuser to cylinder Put breathers in bottom cylinders.
- 26) Locate the 8f jic x 6m reducer fitting, Attach the reducer fitting to the velocity fuse, Attach the hydraulic hose to the reducer fitting, Tighten the fittings
- 27) Locate the brass breather, Install the brass breather on the lower end of the hydraulic cylinder, Tighten brass breathers

Installation of manual holder

Step 25

- 1) Locate the manual holder,

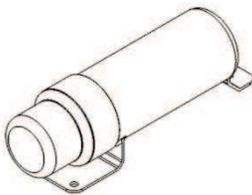


FIG 25- 1

- 2) take the lid off of the manual holder and place the manual holder on the lower

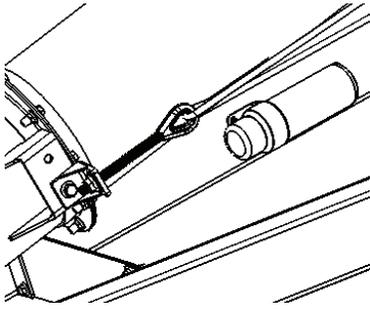


FIG 25- 2

- 3) carriage arm 2' from the front carriage bracket Using 3/16" self-tapping screws attach manual holder, Attach lid on the manual holder

Installation of winch bracket

Step 26

- 1) Locate winch mount bracket,

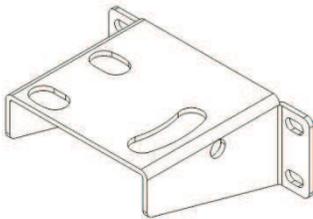


FIG 26- 1

- 2) Mount winch bracket onto left side of intake housing using (4) 3/8" x 1" bolts and nuts



FIG 26- 2

FIG 26- 2A

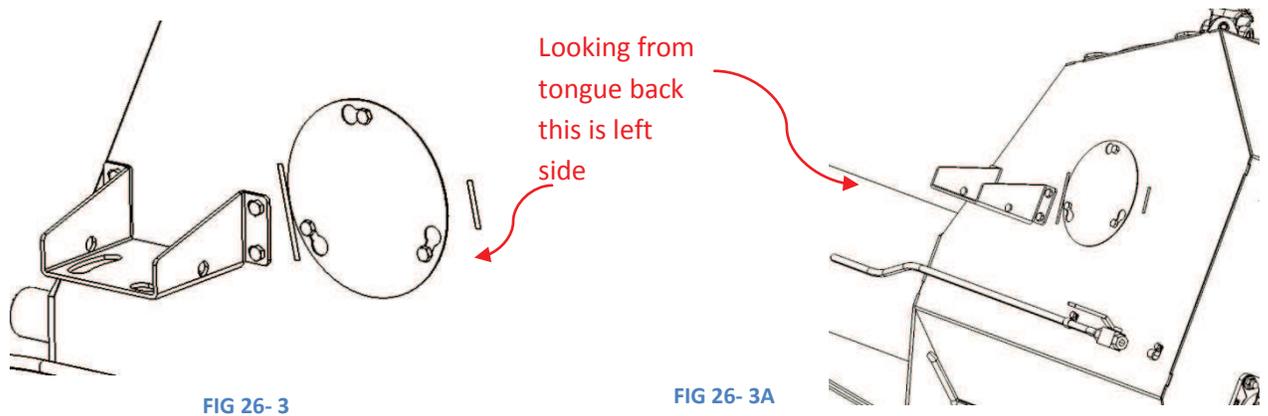


FIG 26- 3

FIG 26- 3A

- 1) Locate winch retain bracket Mount winch retain bracket to winch using (3)3/8" x 3/4" carriage bolts
- 2) Winch upgrade bracket
- 3) Locate winch upgrade bracket Mount winch upgrade bracket to bracket welded on right side of intake (2) 3/8" x 1" carriage bolts, Pin winch to bracket using 3/8" x 7" pin

Winch assembly

Step 27

- 1) Locate the winch and handle,

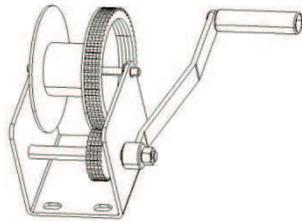


FIG 27- 1

- 2) Place handle on the winch and tighten with a 1/2" lock nut
- 3) take the cable clamp that was with the winch and mount it on the inside of the winch, you may need to spread the cable clamp to make it fit the holes
- 4) Locate the hopper lift cable, Go to the transport arm for the swing hopper and feed the cable through the end pulley
- 5) You will see the pulley at the bottom of the swing hopper transport arm; feed the cable around the pulley
- 6) Now pull the cable back to the winch, feeding it under the center of the winch and pulling it back on top feeding it through the cable clamp
- 7) Once through the cable clamp push it through the side hold of the winch, attach the end of the cable to the winch, and tighten the mounting bolts, now wind up the winch

Swing tube and hopper assembly

Step 28

- 1) Take the swing hopper to the main auger

- 2) Lift the auger and lower the auger to the main auger intake housing,(FIG 28-1) Line up the lower gear box and the Knuckle assembly with deflector, spacer The knuckle with the deflector should slide onto the spline shaft of the lower gear box

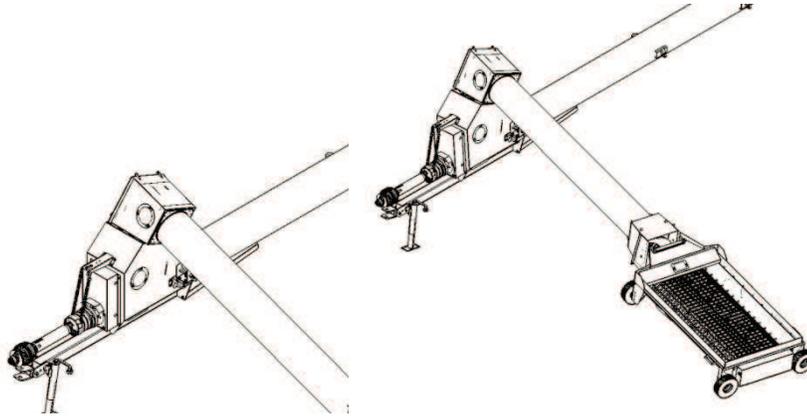


FIG 28- 2

FIG 28- 1

- 3) lower the swing hopper onto the ground (FIG 28-2)
- 4) Locate 4 spacers, hold down part # 10170
- 5) locate the hold down swing hopper plates
- 6) Place the spacers on the intake housing 2 per side, then place the hold down swing hopper
- 7) Plates on top of the spacers. Using 2, 3/8" x 1 1/2" flange bolts and flange nuts push the bolts into the lined up holes
- 8) Tighten the plates down
- 9) Repeat steps 5 to 8 for the other side.
- 10) Now go to the swing hopper and take the swing hopper cable with the hook on it and place it onto the transport hook on the swing hopper

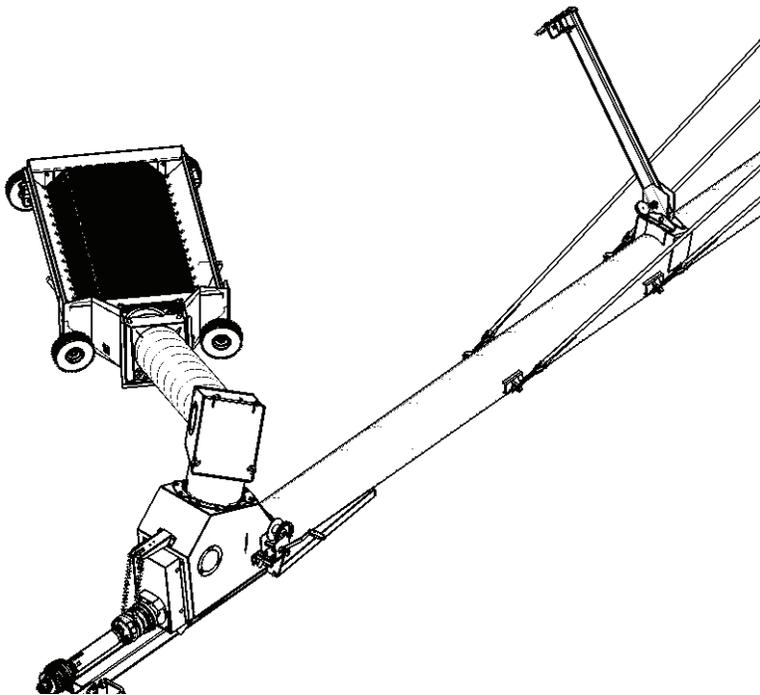
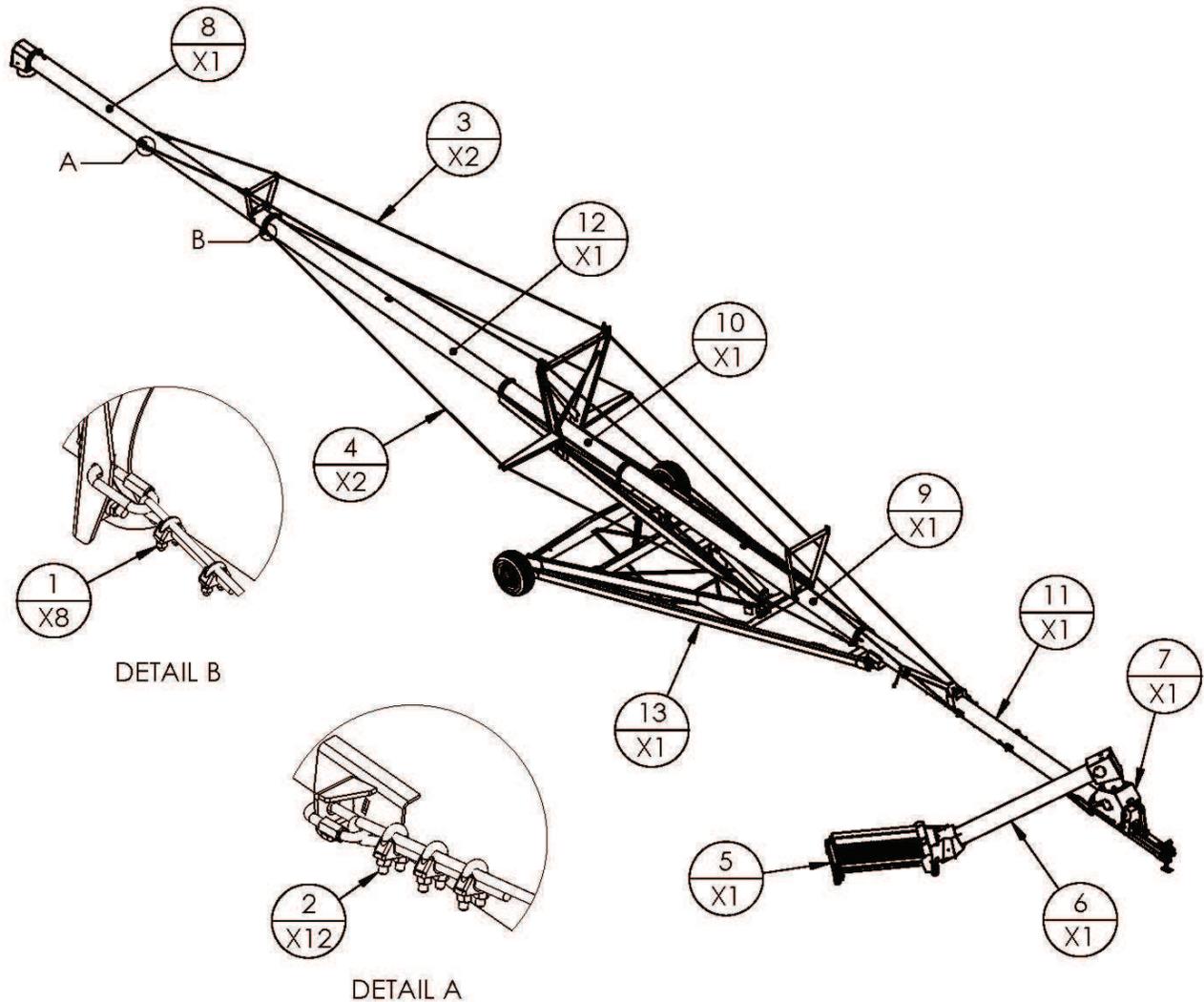


FIG 28- 3

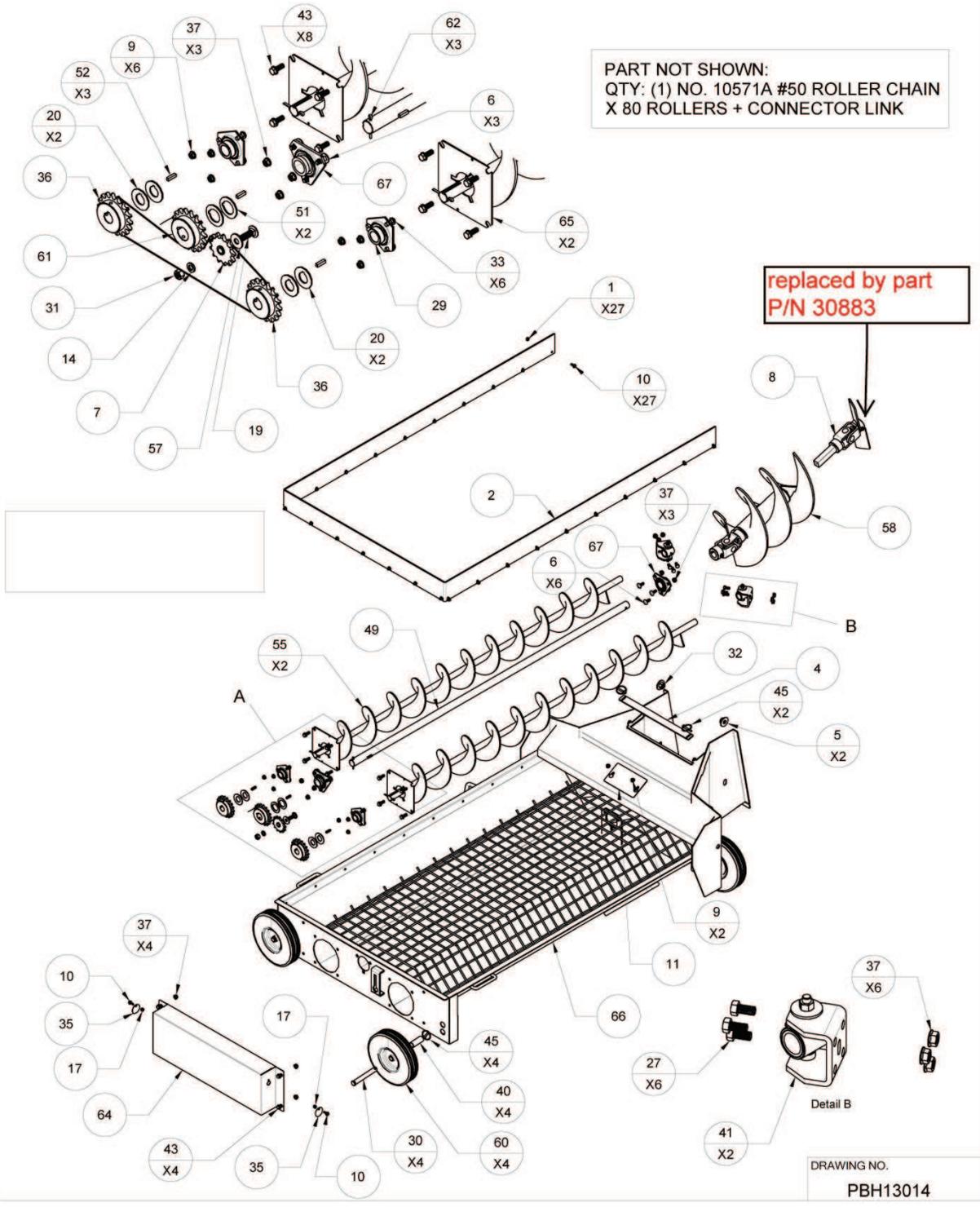
- 11) Crank the hopper up and Slip on safety chain and lower hopper so the safety chain is tight
- 12) Auger is now ready for use.



ITEM NO.	PART NO.	DESCRIPTION	QTY
1	10303	CLAMP, 3/8" CABLE, ZINC	8
2	10367	CLAMP, CABLE, 1/2" ZINC PLATED	12
3	11957	CABLE, TRUSS, MEDIUM, 1/2" X 71FT	2
4	11958	CABLE, TRUSS, SIDE, 3/8 X 52FT	2
5	PBH13014	HOPPER ASM, SWING, H13XX	1
6	PBH13015	SWING TUBE ASM, H13XX	1
7	PBH13026	INFEED HOUSING ASM, H1392, H13102, & H13112	1
8	PBH13032	TUBE ASM, DISCHARGE, H13112	1
9	PBH13036	TUBE ASM, 2ND SECTION, H13112	1
10	PBH13037	TUBE ASM, 3RD SECTION, 10FT TUBE, H13112	1
11	PBH13038	TUBE ASM, 1ST SECTION, H13112	1
12	PBH13039	TUBE ASM, 4TH SECTION, H13112	1
13	PBH13043	CARRIAGE ASM, H13112	1

 DRAWING NO.
PBH1392

REV	AUGER MODEL(S)	PART/ASSEMBLY DESCRIPTION
	H1362, H1372, H1382	HOPPER ASSEMBLY



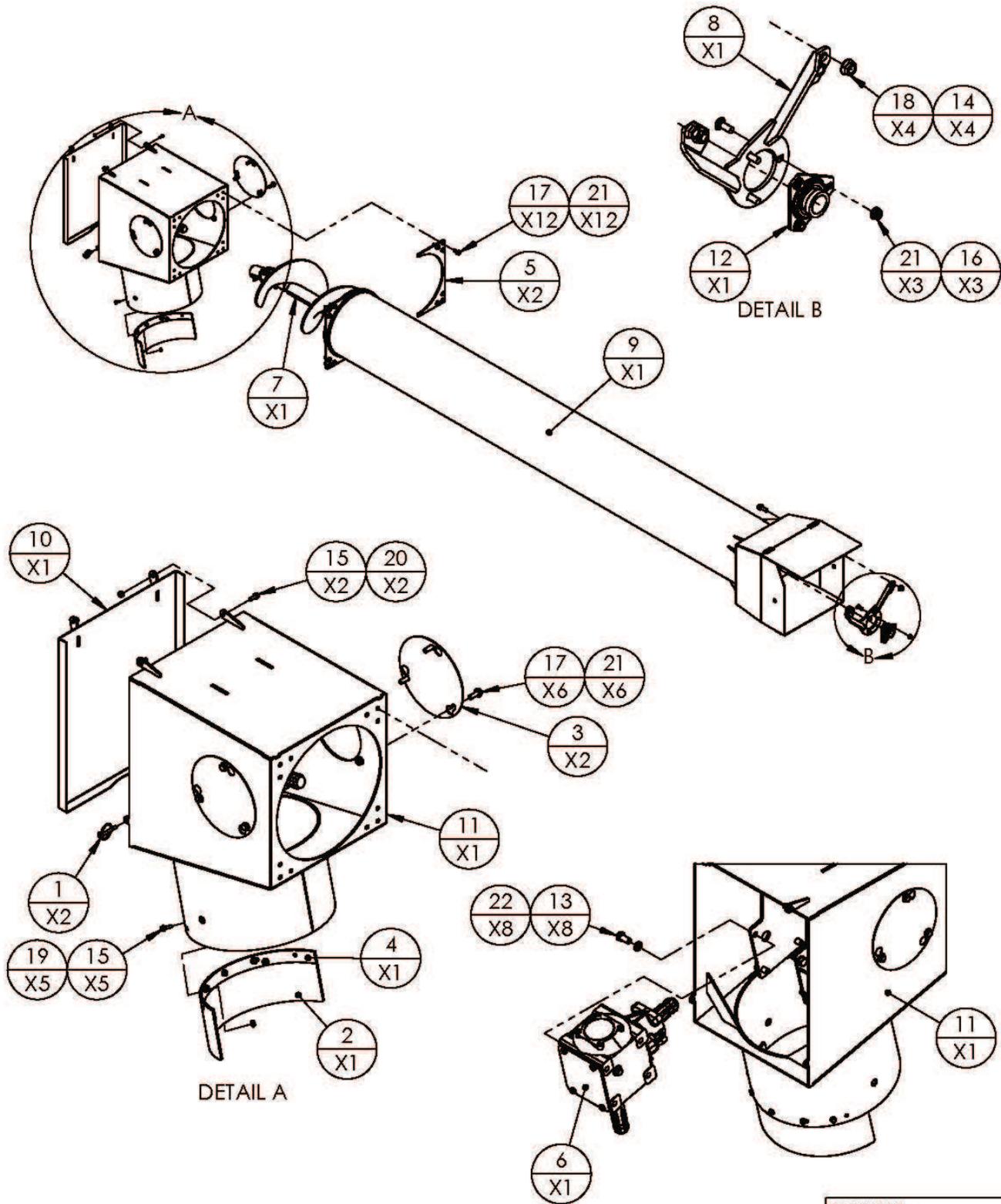


REV	AUGER MODEL(S)	PART/ASSEMBLY DESCRIPTION
	H1362, H1372, H1382	HOPPER ASSEMBLY

Item Number	Part Number	Quantity	Description
67	30554 1 1-4 3 BOLT	2	1.25" 3 BOLT FLANGETEE WITH BEARING, STANDARD HOLE PATTERN
66	30442	1	SWING HOPPER WELDMENT, H13XX
65	10041	2	PLATE, BEARING MOUNT, SWING HOPPER
64	10516A	1	GUARD, SWING HOPPER DRIVE CHAIN
62	10308	3	PIN, COTTER, 3/16x1.5"
61	10565	1	SPROCKET, #50 x 18 TOOTH x 1.25" BORE, WITH (2) HOLO-CHROME SET SCREWS
60	30104	4	TIRE & RIM ASSY, 10x4.10/3.50-4, SWING HOPPER
58	30425	1	INTERMEDIATE AUGER ASSEMBLY, SWING HOPPER, H13XX
57	FLW-RGLR_~500	1	1/2" STANDARD FLAT WASHER, ZINC
55	30422	2	DRAG AUGER ASSEMBLY, H13XX
52	10307	4	KEY, 1/4 x 1.00"
51	10595	2	WASHER, SPACER SPROCKET/COTTER PIN DRAG AUGER, H10XX
49	30472	1	SHAFT ASSEMBLY, SWING HOPPER DRIVE, H13XX
45	10364	6	LYNCH PIN, 1/4" x 2 1/8" OVERALL LENGTH
43	HEX HD FLG_~375-16 UNC 1_SIMP	12	BOLT, 3/8-16UNC X 1", HEX, FLANGE, GRD 5, ZINC
41	30452D	2	BUSHING ASSEMBLY, DRAG AUGER, H13XX
40	10186	4	SPACER TUBE, SWING HOPPER WHEEL
37	NUT HEX FLG_~375-16 UNC_SIMP	16	NUT, 3/8-16UNC, HEX, FLANGE, GRD 5, ZINC
36	10730	2	SPROCKET, #50 x 18 TOOTH x 1" INCH BORE, (2) HOLLOW CHROME SET SCREWS
35	10139	2	TAB, CHAIN GUARD LUBE HOLE COVER
33	3125 x 75 CARRIAGE BOLT	6	BOLT, 5/16-UNC X 3/4", CARRIAGE, ZINC
32	HEX NUT_~625-11 UNC_TOPLOCK	2	NUT, TOPLOCK, 5/8-11UNC, HEX, ZINC
31	HEX NUT_~500-13 UNC_SIMP	1	NUT, 1/2-13UNC, HEX, GRD 5, ZINC
30	10255	4	PIN, SWING HOPPER WHEEL SUPPORT
29	30550	2	1" 3 BOLT FLANGE WITH FAFNIR BEARING
27	HEX BOLT_~375-16 UNC_0~75_SIMP	6	3/8-16UNC x 3/4" HEX BOLT, GRD 5, ZINC
20	10399	4	WASHER, SPACER SPROCKET/COTTER PIN DRAG AUGER, H10XX
19	1-2 x 1 1-2 CARRIAGE BOLT	1	1/2-13UNC x 1-1/2" CARRIAGE BOLT, GRD 5, ZINC
17	HEX NUT_~250-20 UNC_NYLOCK_SIMP	2	1/4-20UNC, HEX NYLOCK NUT, ZINC
14	LK WSHR-HLCL SPR-RGLR_~500	1	WASHER, LOCK, 1/2" SPLIT SPRING
11	10589	1	LID, SWING HOPPER TRANSITION ACCESS, H13XX
10	HEX HD FLG_~250-20 UNC_~75_SIMP	29	BOLT, 1/4-20UNC X 3/4" HEX FLANGE, GRD 5 ZINC
9	NUT HEX FLG_~3125-18 UNC_SIMP	8	5/16-18UNC, HEX FLANGE NUT
8	30434 30883	1	PADDLE / KNUCKLE ASSEMBLY H13XX, MID AUGER
7	10563	1	SPROCKET, IDLER #50 x 13 TEETH, 1/2" BORE
6	3-8 x 1 CARRIAGE BOLT	6	BOLT, 3/8-16UNC x 1" CARRIAGE, GRD 5, ZINC
5	FLW-RGLR_~625	2	WASHER, 5/8", FLAT, ZINC
4	10562	1	PLATE, SWING HOPPER ACCESS DOOR HOLD DOWN
2	10116	1	RUBBER, OVERFLOW FOR SWING HOPPER
1	NUT HEX FLG_~250-20 UNC_SIMP	27	NUT, 1/4-20UNC, HEX FLANGE, GRD 5 ZINC

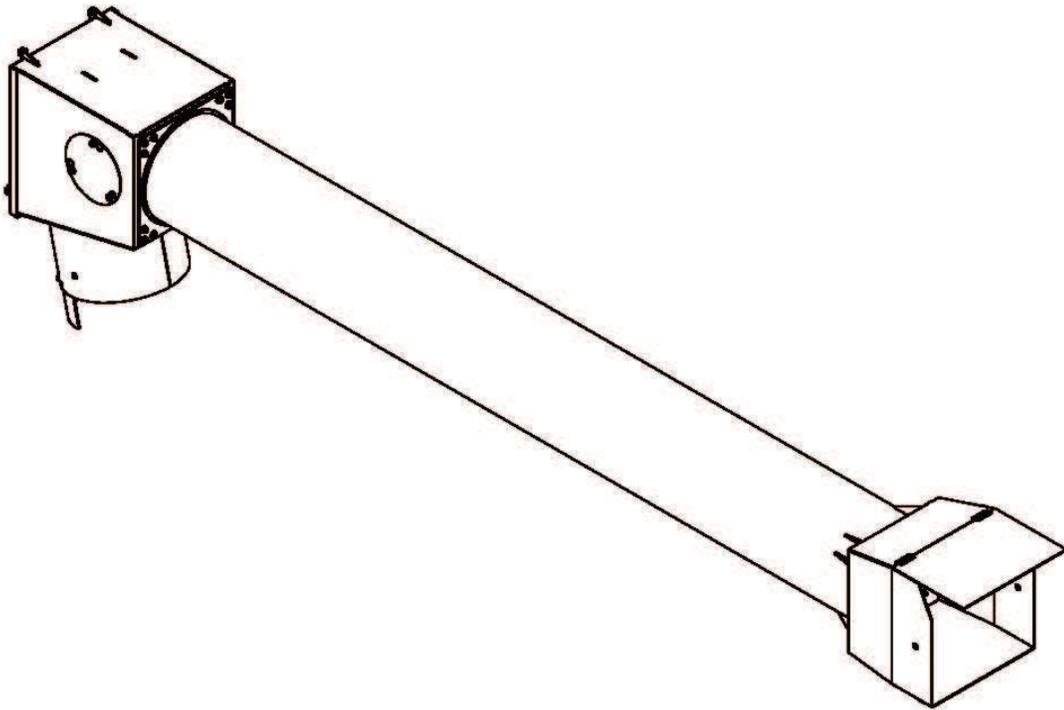
DRAWING NO.
PBH13014

REV	AUGER MODEL(S) H13XX	PART/ASSEMBLY DESCRIPTION SWING TUBE ASSEMBLY
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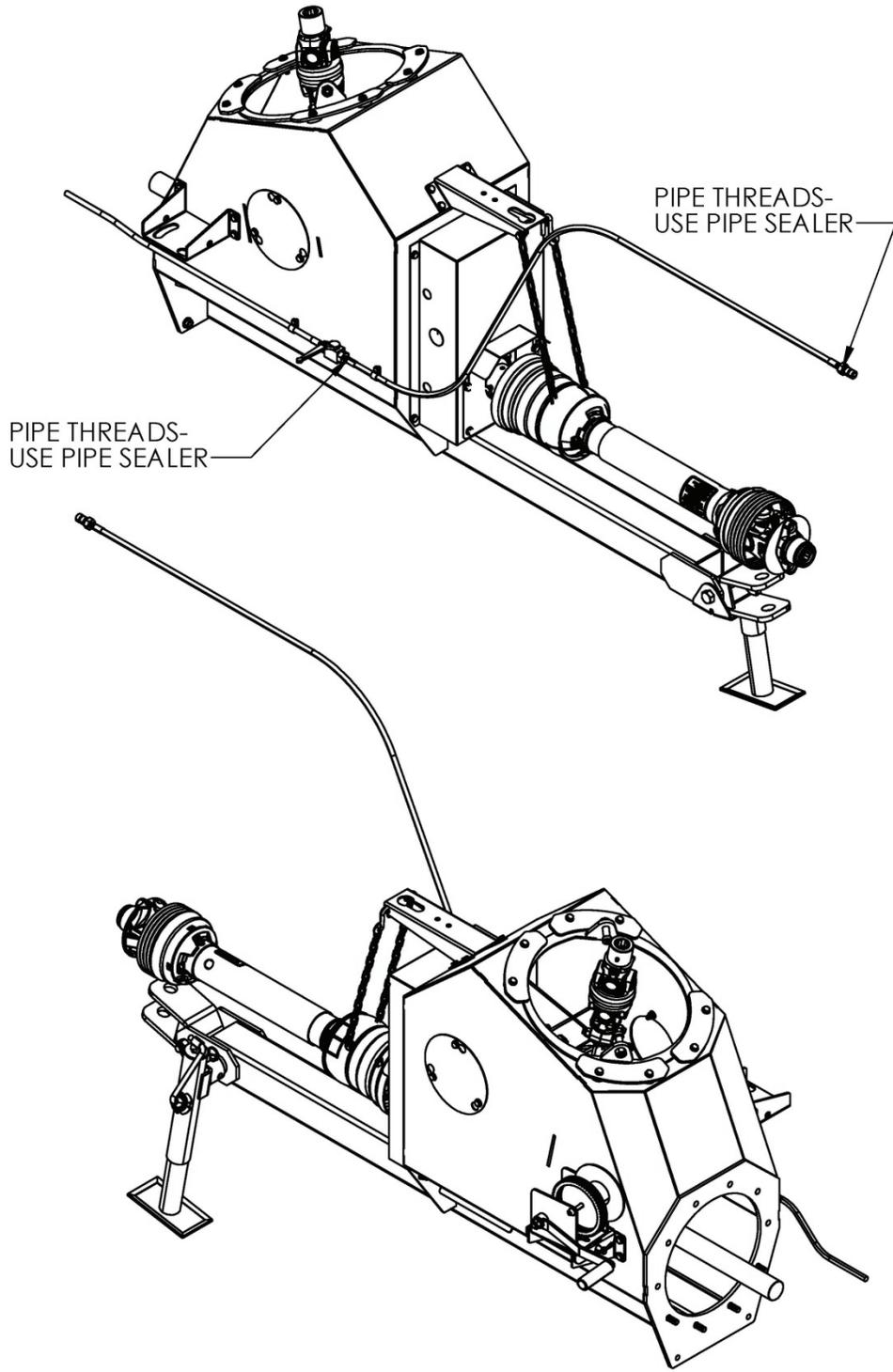
DRAWING NO.
PBH13015

REV	AUGER MODEL(S) H13XX	PART/ASSEMBLY DESCRIPTION SWING TUBE ASSEMBLY
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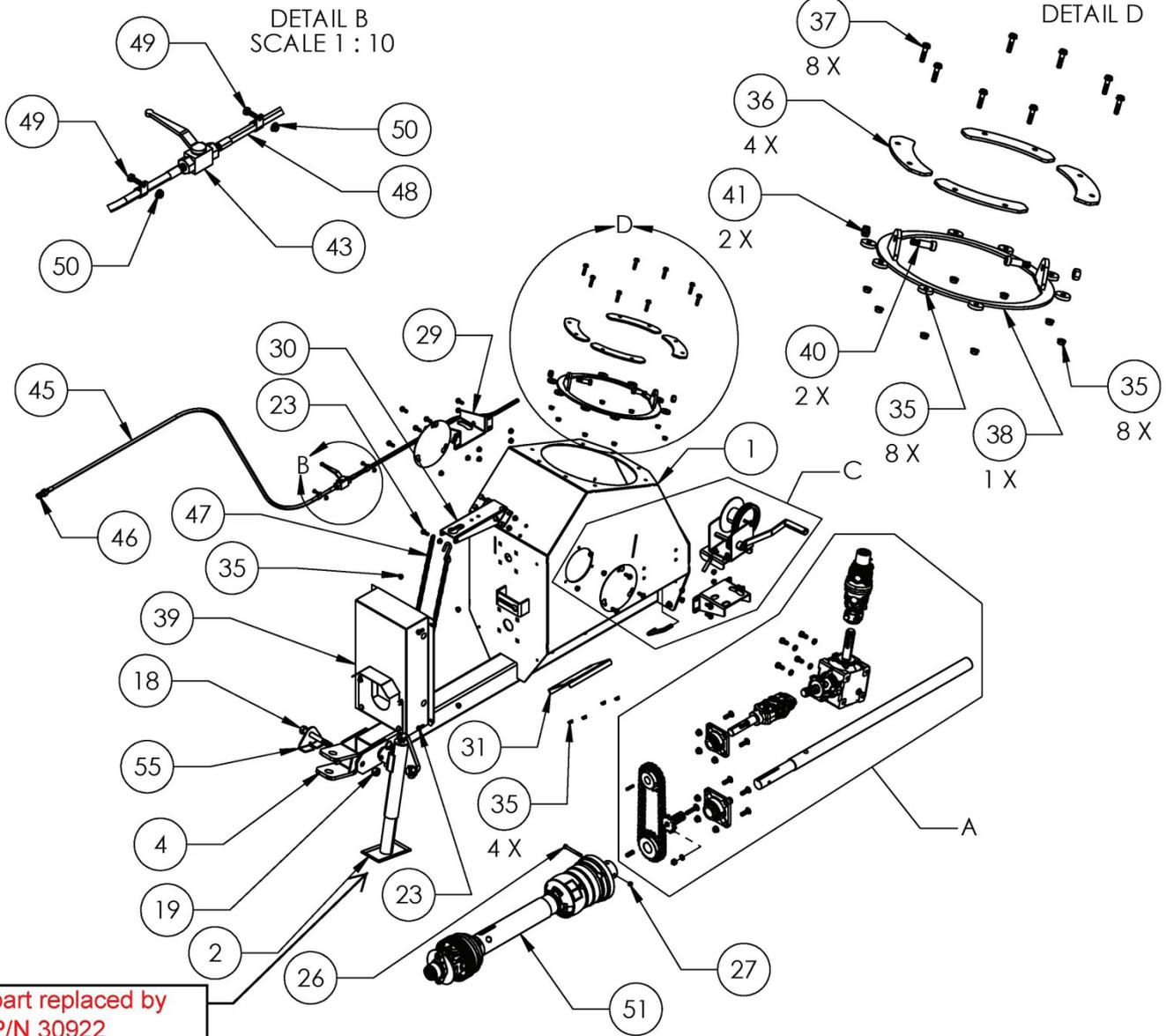


ITEM NO.	PART NO.	DESCRIPTION	QTY
1	10364	LYNCH PIN, 1/4" X 2-1/8"	2
2	10477A	DEFLECTOR, RUBBER, HOPPER DISCHARGE, H13XX	1
3	10528	COVER PLATE, CLEAN OUT	2
4	11126	STIFFENER, RUBBER SWING DISCHARGE, H13	1
5	11790	PLATE, SWING TUBE RETAIN, H13XX	2
6	30176	GEARBOX, RIGHT ANGLE	1
7	30438A	FLIGHTING ASSY, SWING HOPPER, H13XX	1
8	30443A	BRACKET, HANGER BEARING SUPPORT, H13XX	1
9	30475B	TUBE WELDMENT, SWING HOPPER, H13XX	1
10	30482	LID ASSY, SWING HOPPER, H13XX	1
11	30484A	HOUSING, SWING TUBE DISCHARGE, 13" BOLT ON	1
12	30557	1.25" 3 BOLT FLANGETEE W/BEARING	1
13	40002	BOLT, 1/2-13UNC X 1" HEX, GRD 5, ZINC	8
14	40005	BOLT, 1/2-13UNC X 1-1/2" HEX FLANGE, GRD 5, ZINC	4
15	40014	BOLT, 1/4-20UNC X 3/4" HEX FLANGE, GRD 5, ZINC	7
16	40024	BOLT, 3/8-16UNC X 1" CARRIAGE, GRD 5, ZINC	3
17	40025	BOLT, 3/8-16UNC X 1" HEX FLANGE, GRD 5, ZINC	18
18	40047	NUT, 1/2-13UNC, HEX FLANGE, GRD 5, ZINC	4
19	40049	NUT, 1/4-20UNC, HEX FLANGE, GRD 5, ZINC	5
20	40051	NUT, 1/4-20UNC, HEX, NYLOCK, ZINC	2
21	40056	NUT, 3/8-16UNC, HEX FLANGE, GRD 5, ZINC	21
22	40072	WASHER, LOCK, 1/2" SPLIT, ZINC	8

DRAWING NO.
PBH13015

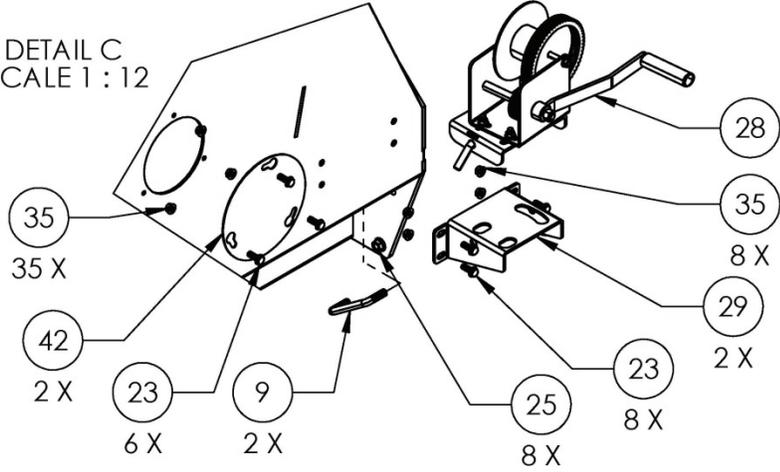


REV	AUGER MODEL(S) H1392, H13102	PART/ASSEMBLY DESCRIPTION INFEED HOUSING ASSEMBLY
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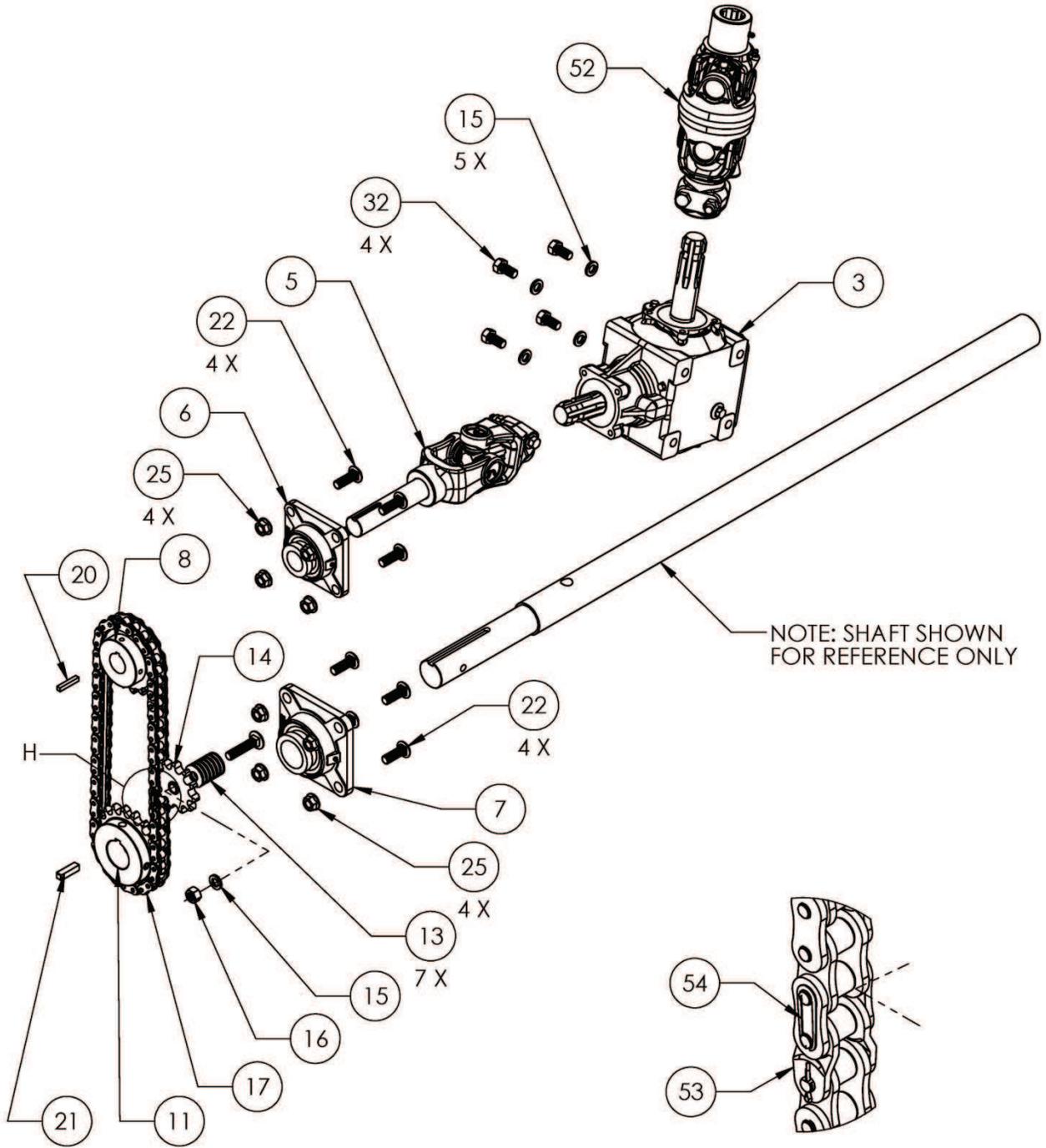
part replaced by
P/N 30922

DETAIL C
SCALE 1 : 12



DRAWING NO.
PBH13026

REV	AUGER MODEL(S) H1392, H13102	PART/ASSEMBLY DESCRIPTION INFEED HOUSING ASSEMBLY
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DETAIL A
SCALE 1 : 8

DETAIL H
SCALE 1 : 2

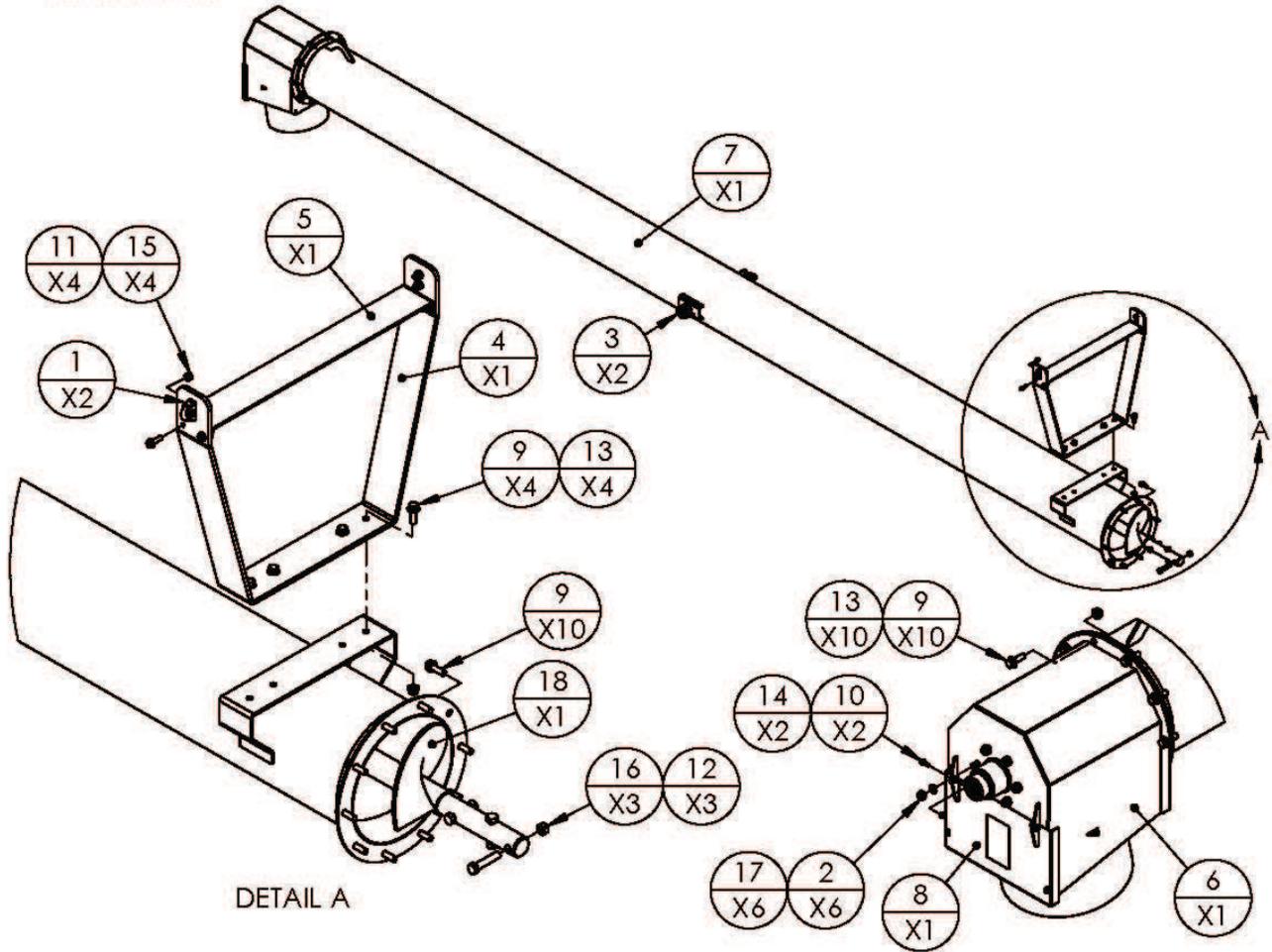
DRAWING NO.
PBH13026



REV	AUGER MODEL(S) H1392, H13102	PART/ASSEMBLY DESCRIPTION INFEED HOUSING ASSY
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ITEM NO.	PART NO.	DESCRIPTION	QTY
1	30805	HOUSING, INFEED, H1392&102	1
2	30140 30922	JACK, 5000LB TOP WIND JACK ASSY , 7000 LB SIDE WIND	1
3	30176	GEARBOX, RIGHT ANGLE	1
4	30424A	CLEVIS ASSEMBLY, H13XX	1
5	30480A	KNUCKLE/SHAFT ASSY, SPLIT KNUCKLE,	1
6	30552	BEARING, 1-1/4", 4 BOLT CAST, ECCENTRIC LOCK COLLAR	1
7	30555skf	BEARING & CAST HOUSING ASSY, 1-3/4", 4-BOLT	1
8	11052	SPROCKET, #60 X 18 TOOTH, 1-1/4" BORE, W/SET SCREWS	1
9	11022	U-BOLT, INFEED HOUSING RETAIN, H13XX	2
10	10536B	SHAFT, INFEED FLIGHTING DRIVE	1
11	10555	SPROCKET, #60 X 20 TOOTH, 1-3/4" BORE, W/SET SCREWS	1
12	40007	BOLT, 1/2-13UNC X 2", CARRIAGE, GRD 5, ZINC	1
13	40066	WASHER, FLAT, 1/2", ZINC	7
14	10300	SPROCKET, IDLER, 11 TOOTH, 1/2" BORE	1
15	40072	WASHER, LOCK, 1-2" SPLIT, ZINC	5
16	40046	NUT, 1/2-13UNC, HEX, GRD 5, ZINC	1
17	10552A	CHAIN, #60H X 56 ROLLERS	1
18	40022	BOLT, 3/4-10UNC X 6", HEX, GRD 5, ZINC	1
19	40055	NUT, 3/4-10UNC, HEX TOPLOCK, ZINC	1
20	10309	KEY, 1/4 X 1-1/2", SQUARE	1
21	10578	KEY, 3/8 X 1-1/2" SQUARE	1
22	40003	BOLT, 1/2-13UNC X 1-1/2", SHORT NECK CARRIAGE, GRD 5, ZINC	8
23	40025	BOLT, 3/8-16UNC X 1", HEX FLANGE, GRD 5, ZINC	23
35	40056	NUT, 3/8-16UNC, HEX FLANGE, GRD 5, ZINC	35
25	40047	NUT, 1/2-13UNC, HEX FLANGE, GRD 5, ZINC	16
26	40032	BOLT, 3/8-16UNC X 3-1/2" HEX, GRD 5, ZINC	1
27	40058	NUT, 3/8-16UNC, HEX, TOPLOCK, ZINC	1
28	PB10001	WINCH & MOUNT BRACKET ASSEMBLY	1
29	10131B	BRACKET, WINCH MOUNT, BOLT ON	2
30	10526A	BRACKET, TPO SHAFT SUPPORT, H13, SERIAL #1234 & NEWER	1
31	10101A	COVER PLATE, CLEAN OUT, INFEED HOUSING	1
32	40002	BOLT, 1-2-13UNC X 1", HEX, GRD 5, ZINC	4
33	40069	WASHER, 5/16", SPLIT LOCK, ZINC	4
34	40040	BOLT, 5/16-18UNC X 3/4" HEX, GRD 5, ZINC	4
35	10185	SPACER, SWING HOPPER HOLD DOWN	8
36	10508C	PLATE, SWING HOPPER HOLD DOWN	4
37	40034	BOLT, 3/8-16UNC X 1-1/2" HEX FLANGE, GRD 5, ZINC	8
38	30407A	RING ASSY, SWING HOPPER PIVOT, H13XX	1
39	PBH13013	GUARD ASSY, INFEED DRIVE CHAIN, H13XX SERIAL #1234 & NEW	1
40	10370	BOLT, SHOULDER, 1/2-13UNC X .625" DIA X 1" SHOULDER	2
41	40048	NUT, 1/2-13UNC, HEX TOPLOCK, ZINC	2
42	10528	COVER PLATE, CLEAN OUT	2
43	30479	VALVE, BALL, 1/4 TURN, 3/8" NPT BOTH SIDES	1
44	10588A	5/8", OD CLAMP, GALV. VINYL, HYD HOSE RETAIN	2
45	30794-03	HOSE, 3/8" X 96", 3/8" NPT MALE X 1/2" NPT MALE, (PART OF 30794)	1
46	10324	COUPLER, 1/2 NPT, MALE TIP, 1/2" BODY, (PIONEER)	1
47	30476	CHAIN, PTO SUPPORT H13, (38 LINKS + HOOK)	1
48	30794-02	HOSE, 3/8" X 62.5FT, #8 FEMALE JIC X 3/8" NPT	1
49	40015	BOLT, 1/4-20UNC X 3/4" HEX FLANGE, ZINC	2
50	40049	NUT, 1/4-20UNC, HEX FLANGE, GRD 5, ZINC	2
51	30440	PTO SHAFT, CAT 6, H13XX	1
52	30439	KNUCKLE ASSY, CV, H13XX SWING HOPPER DRIVE	1
53	10822	LINK, #60H OFFSET, (1/2 LINK)	1
54	10553	LINK, #60 HEAVY, CONNECTOR	1
55	11234	BRACKET, CLEVIS POSITION RETAIN, H13	1

DRAWING NO.
PBH13026

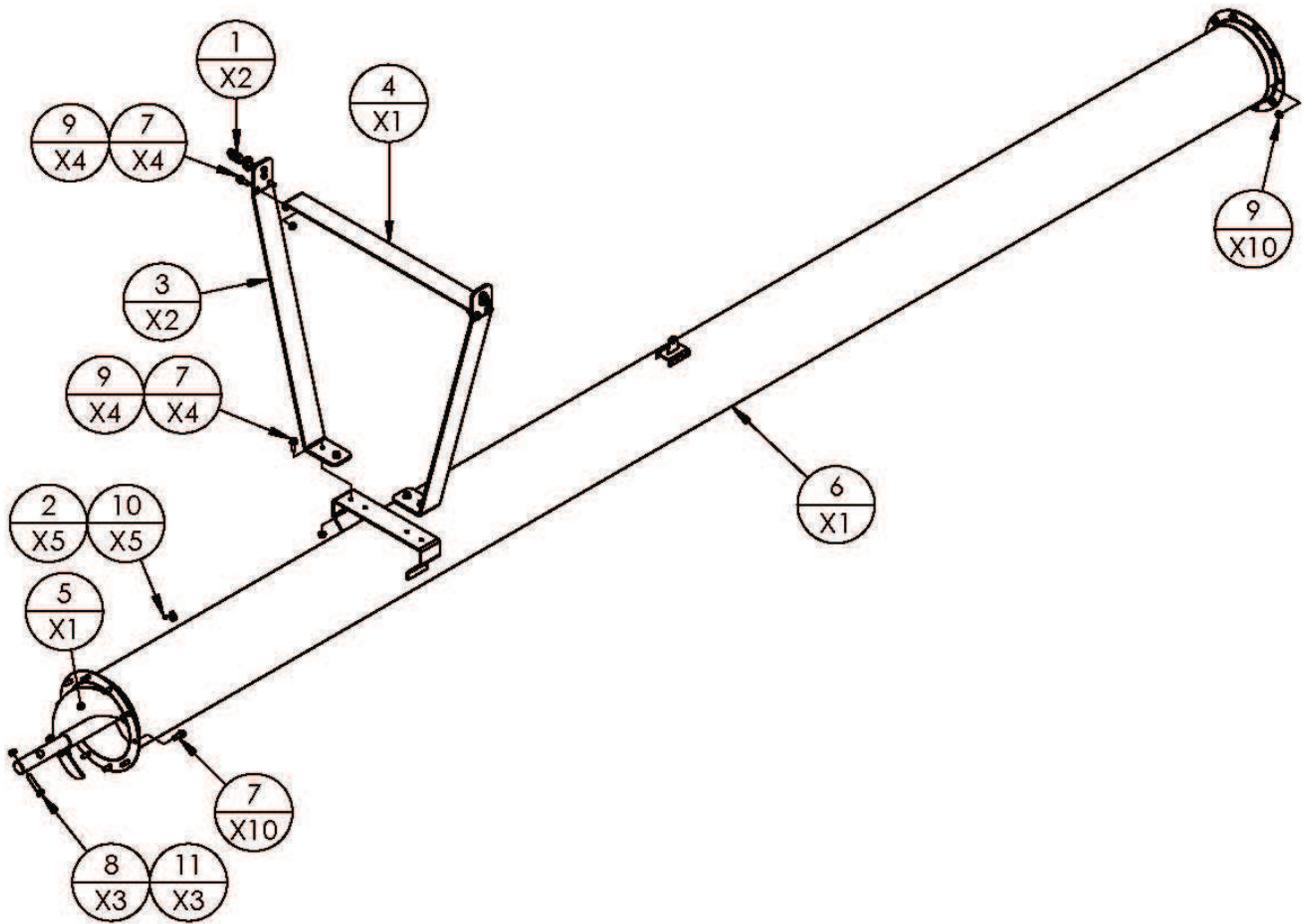


DETAIL A

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	10367	CLAMP, CABLE, 1/2" ZINC PLATED	2
2	10434	NUT, 1/2-20, 60 DEGREE LUG NUT, ZINC	6
3	10579	QUICKLINK CHAIN CONNECTOR, 1/2 INCH	2
4	11806	TRUSS, CABLE, SMALL, H1392 & 102	1
5	11893	TRUSS, CROSS, SMALL, HC13102	1
6	30419	DISCHARGE HOUSING ASSY, H13	1
7	30778A	TUBE ASM, DISCHARGE, H13112	1
8	31047	LID ASM, DISCHARGE HOUSING, H13XX	1
9	40005	BOLT, 1/2-13UNC X 1-1/2" HEX FLANGE, GRD 5, ZINC	24
10	40014	BOLT, 1/4-20UNC X 3/4" HEX FLANGE, GRD 5, ZINC	2
11	40027	BOLT, 3/8-16UNC X 1-1/4" HEX FLANGE, GRD 5, ZINC	4
12	40043	BOLT, 5/8-11UNC X 3" HEX, GR5, ZINC	3
13	40047	NUT, 1/2-13UNC, HEX FLANGE, GRD 5, ZINC	14
14	40051	NUT, 1/4-20UNC, HEX, NYLOCK, ZINC	2
15	40056	NUT, 3/8-16UNC, HEX FLANGE, GRD 5, ZINC	4
16	40062	NUT, 5/8-11UNC, HEX, TOPLOCK, ZINC	3
17	40072	WASHER, LOCK, 1/2" SPLIT, ZINC	6
18	PBH13018	FLIGHTING ASM, DISCHARGE	1

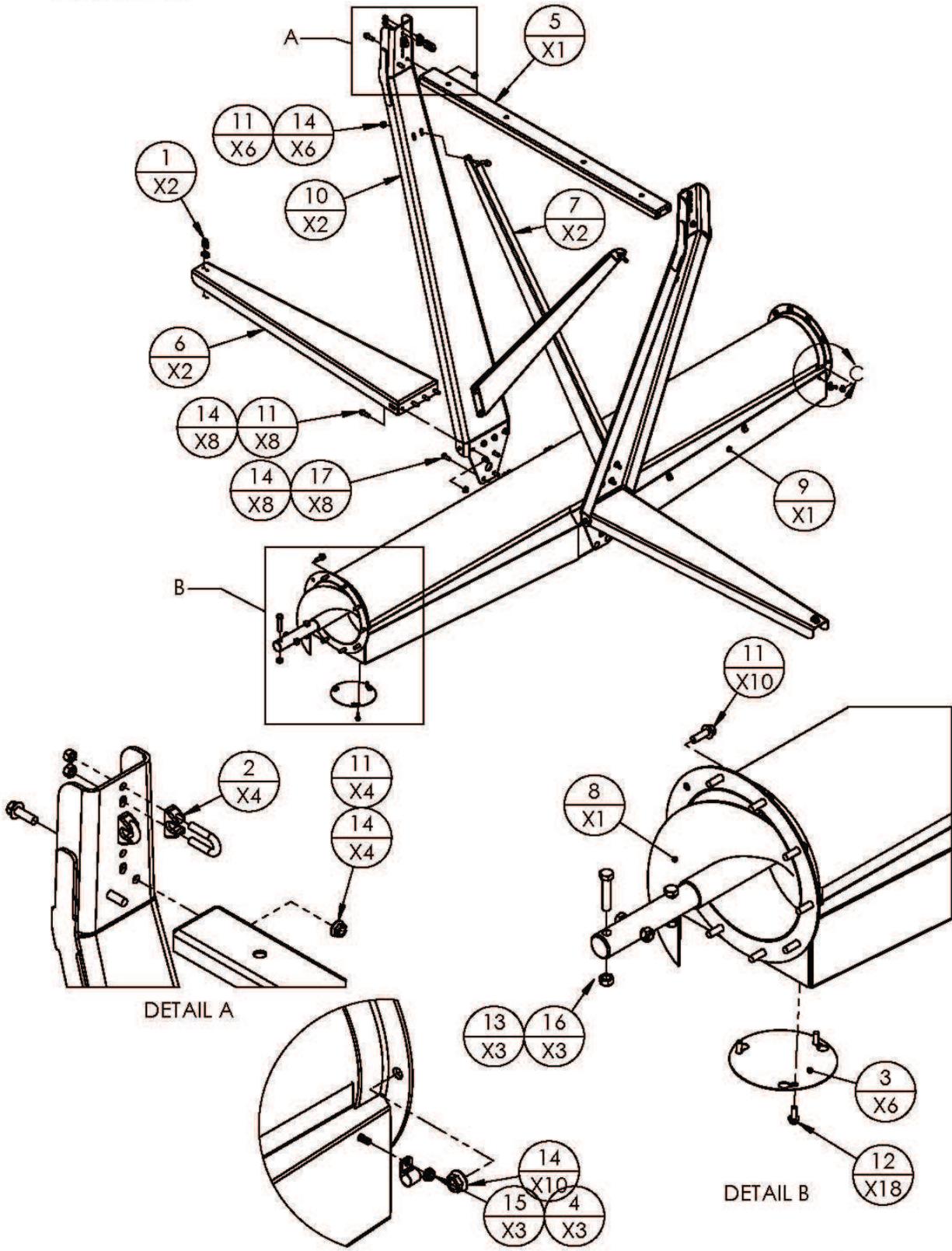
 DRAWING NO.
 PBH13032

REV	AUGER MODEL(S) H1392, H13102, & H13112	PART/ASSEMBLY DESCRIPTION TUBE ASM, 2ND SECTION
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ITEM NO.	PART NO.	DESCRIPTION	QTY
1	10367	CLAMP, CABLE, 1/2" ZINC PLATED	2
2	10588A	5/8", OD CLAMP, GALV. VINYL, HYD HOSE RETAIN	5
3	11807	TRUSS, CABLE, MEDIUM, H1392 & 102	2
4	11808	TRUSS, CROSS, MEDIUM, H1392 & 102	1
5	30430	FLIGHTING SECTION ASM, REGULAR, H13XX	1
6	30775A	TUBE ASSEMBLY, 2ND FROM INFEED, H13112	1
7	40005	BOLT, 1/2-13UNC X 1-1/2" HEX FLANGE, GRD 5, ZINC	18
8	40043	BOLT, 5/8-11UNC X 3" HEX, GR5, ZINC	3
9	40047	NUT, 1/2-13UNC, HEX FLANGE, GRD 5, ZINC	18
10	40050	NUT, 1/4-20UNC, HEX, GRD 5, ZINC	5
11	40062	NUT, 5/8-11UNC, HEX, TOPLOCK, ZINC	3

DRAWING NO.
PBH13036



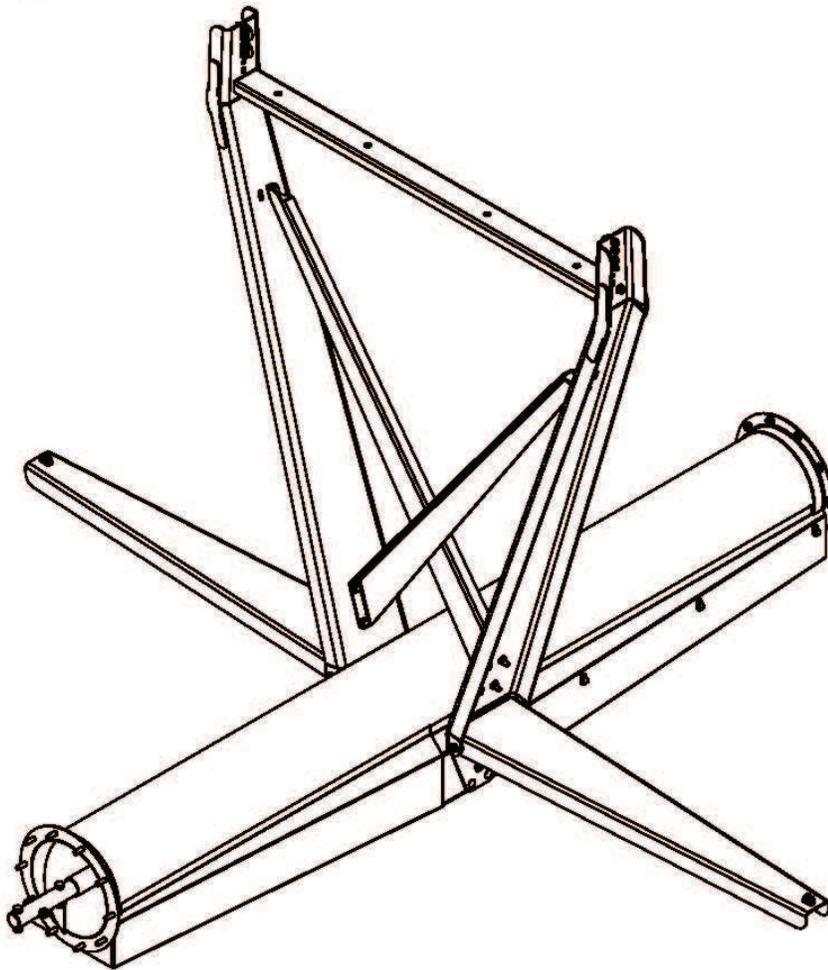
DETAIL A

DETAIL B

DETAIL C

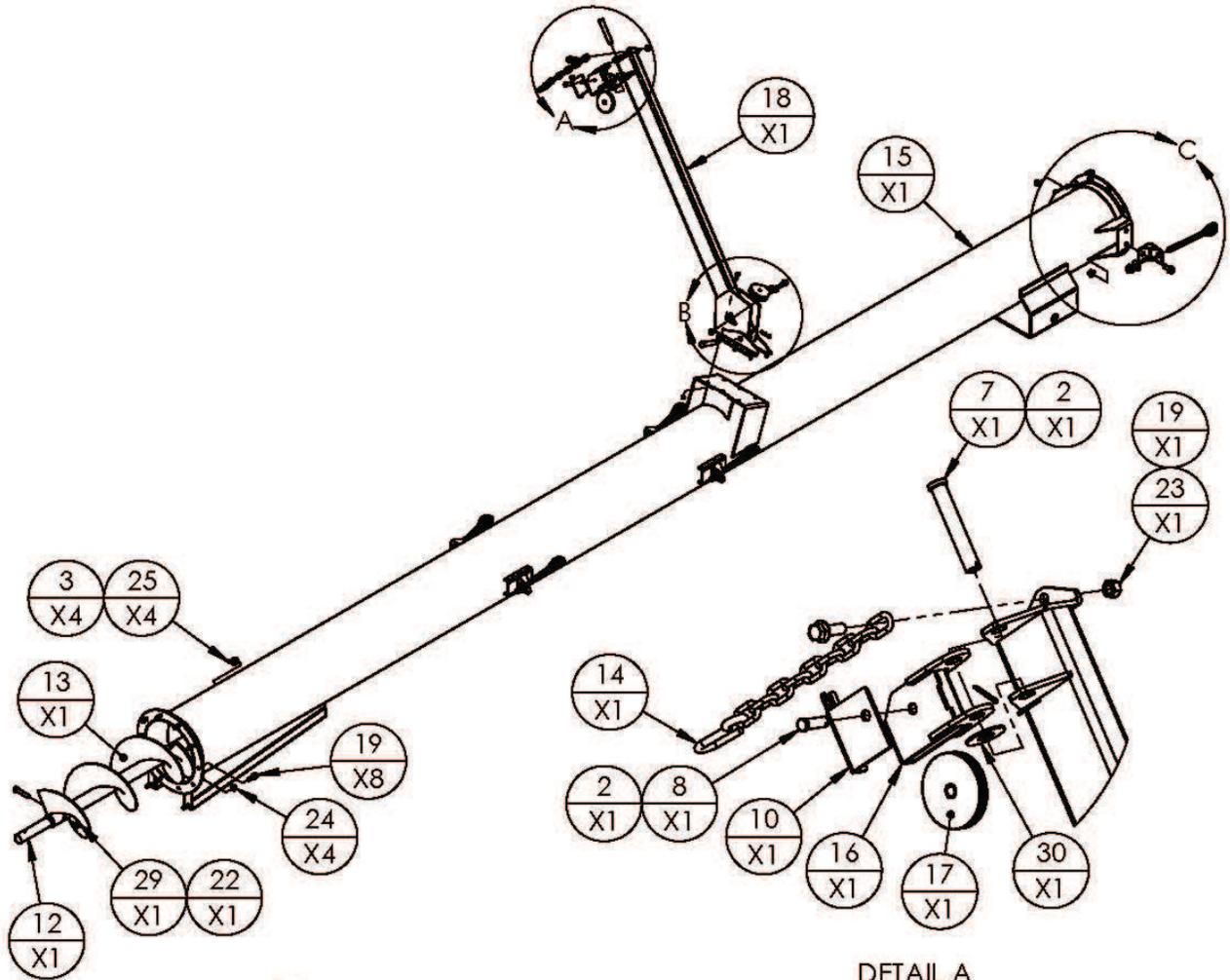
DRAWING NO.
PBH13037

REV	AUGER MODEL(S) H1392, H13102, & H13112	PART/ASSEMBLY DESCRIPTION TUBE ASM, 3RD SECTION, 10FT TUBE
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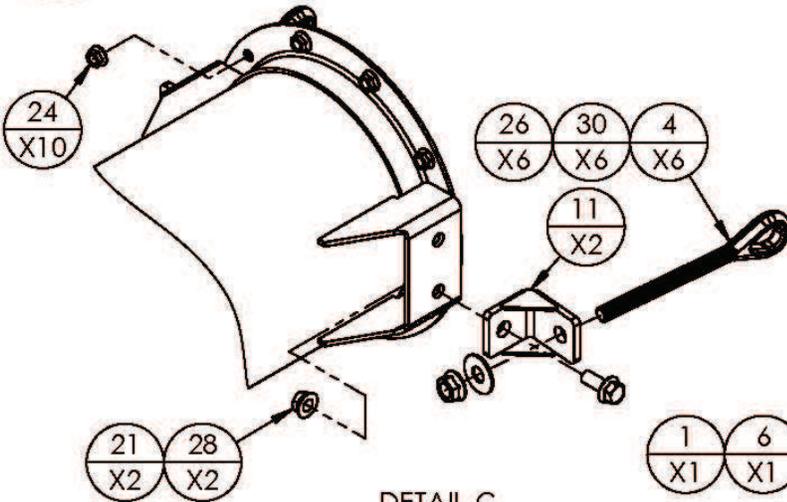


ITEM NO.	PART NO.	DESCRIPTION	QTY
1	10303	CLAMP, 3/8" CABLE, ZINC	2
2	10367	CLAMP, CABLE, 1/2" ZINC PLATED	4
3	10528	COVER PLATE, CLEAN OUT	6
4	10588A	5/8", OD CLAMP, GALV. VINYL, HYD HOSE RETAIN	3
5	11809	TRUSS, CROSS, MEDIUM, H1392 & 102	1
6	11920	CABLE SUPPORT, SIDE, H13112 & HC13112	2
7	11928	BRACKET, X-BRACE, CENTER, H13112	2
8	30797	FLIGHTING ASSY, 120" SECTION, H1392	1
9	31067	TUBE ASM, 3RD SECTION, 10FT TUBE, H13112	1
10	31071	WELDMENT, TRUSS, UPRIGHT, H13112 & HC13112	2
11	40005	BOLT, 1/2-13UNC X 1-1/2" HEX FLANGE, GRD 5, ZINC	32
12	40025	BOLT, 3/8-16UNC X 1" HEX FLANGE, GRD 5, ZINC	18
13	40043	BOLT, 5/8-11UNC X 3" HEX, GR5, ZINC	3
14	40047	NUT, 1/2-13UNC, HEX FLANGE, GRD 5, ZINC	40
15	40049	NUT, 1/4-20UNC, HEX FLANGE, GRD 5, ZINC	3
16	40062	NUT, 5/8-11UNC, HEX, TOPLOCK, ZINC	3
17	40102	BOLT, 1/2-13UNC X 1-1/2" CARRIAGE, GRD 5, ZINC	8

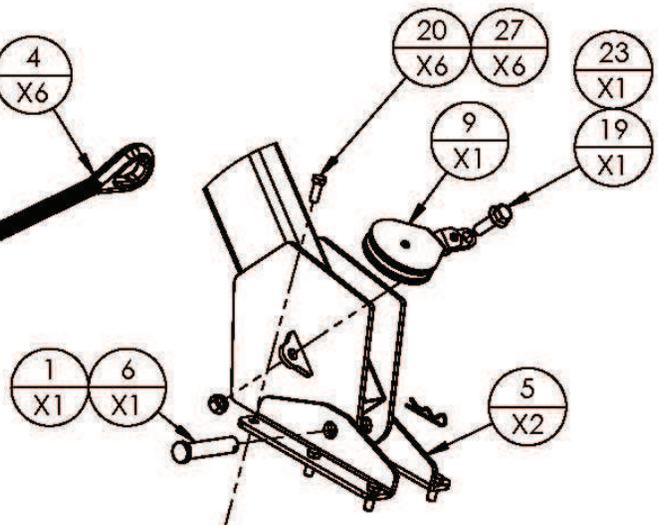
DRAWING NO.
PBH13037



DETAIL A

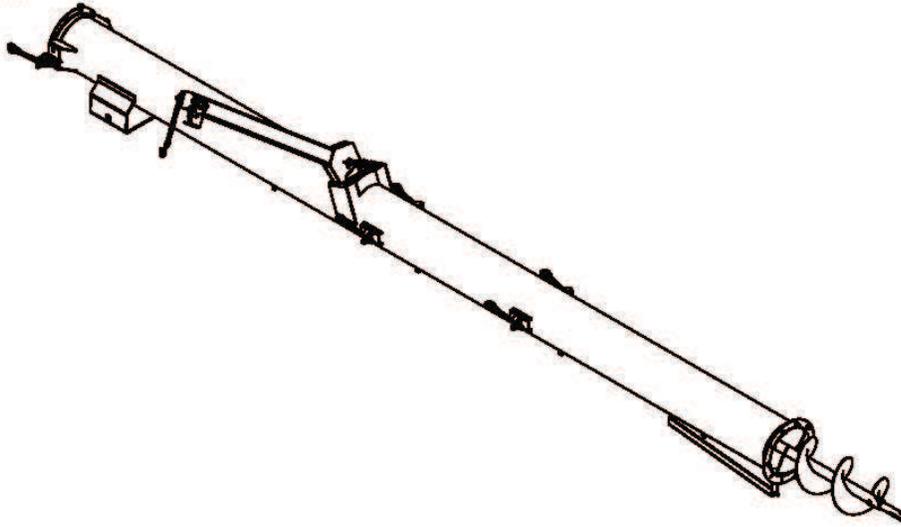


DETAIL C



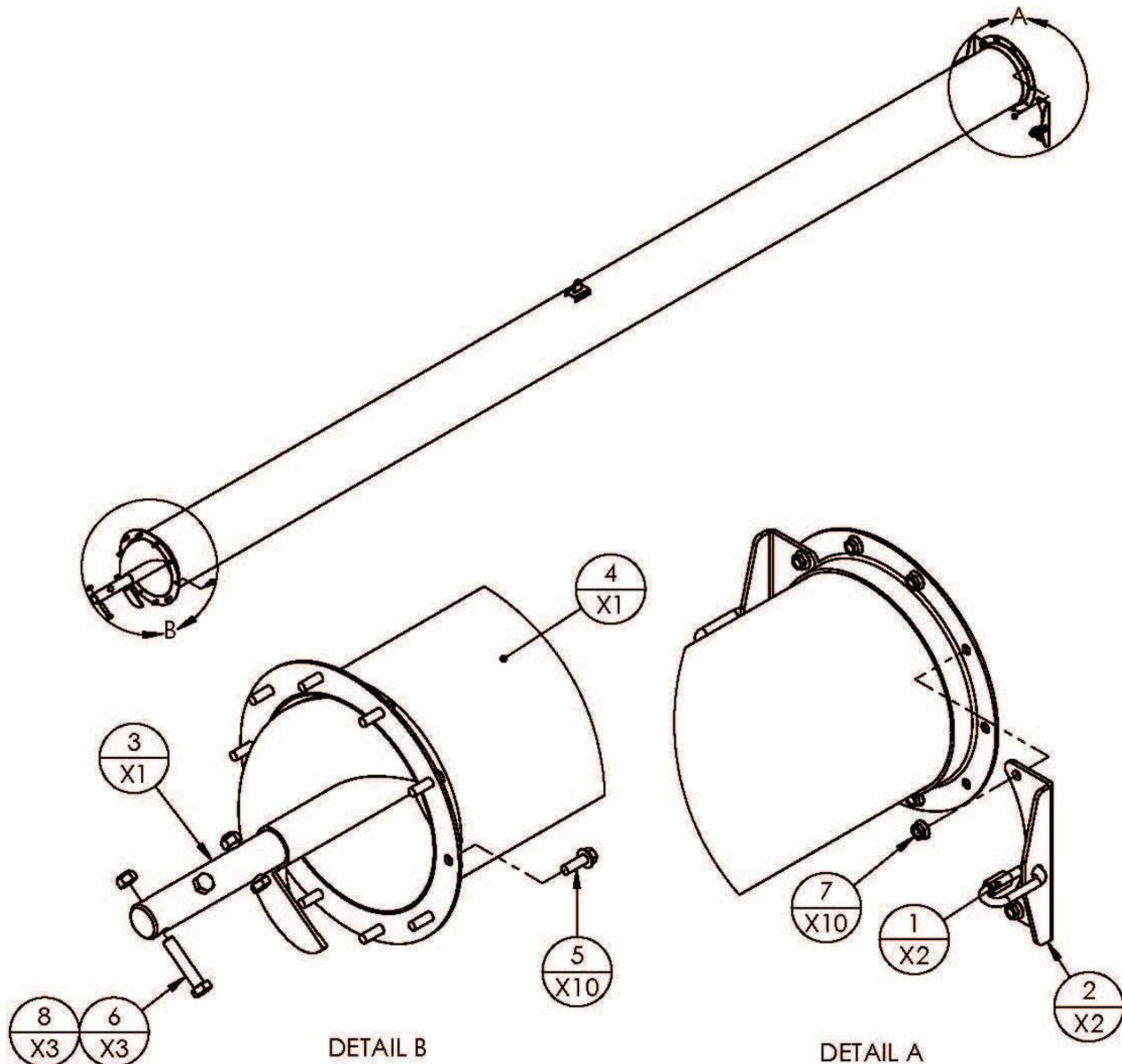
DETAIL B

DRAWING NO.
PBH13038



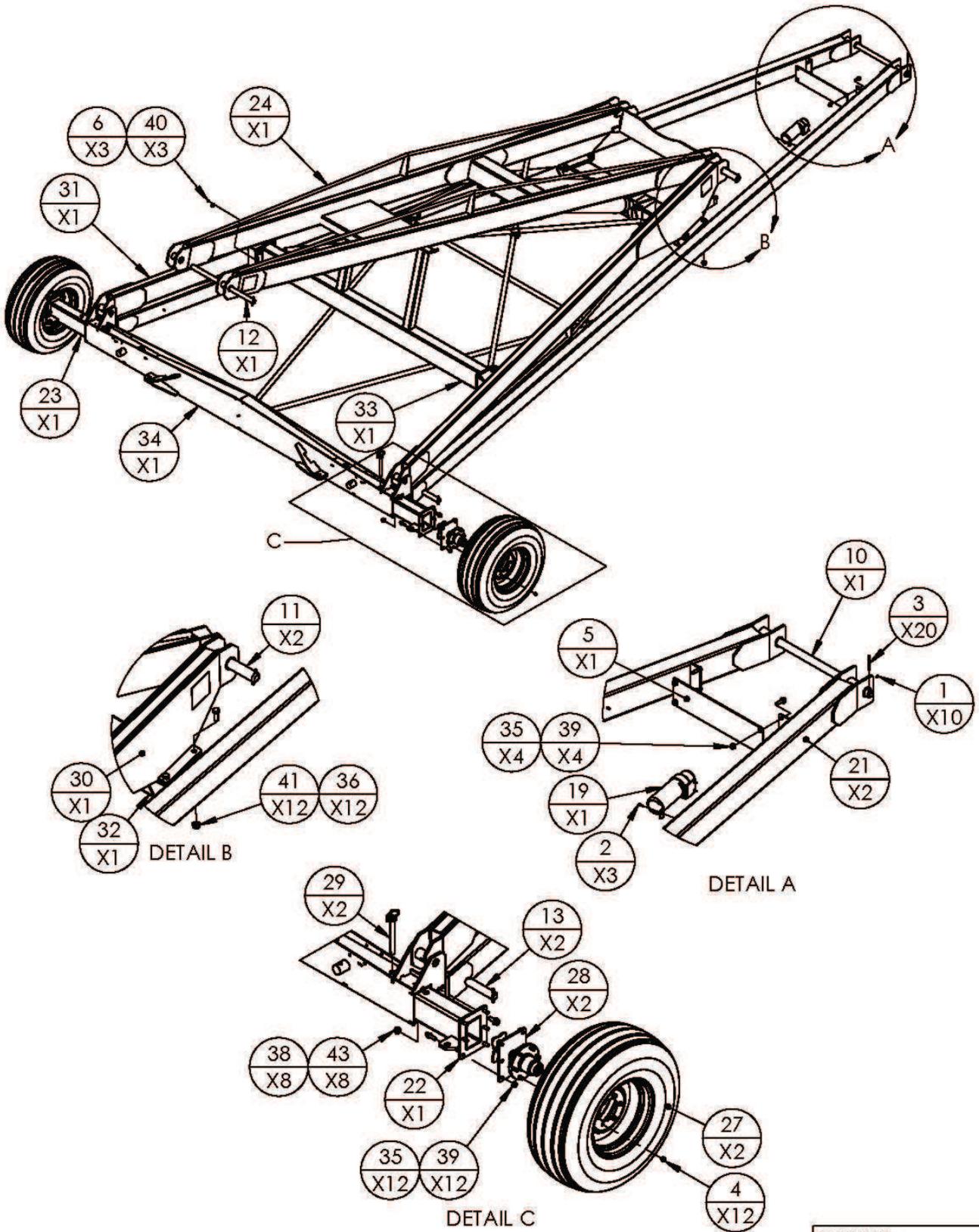
ITEM NO.	PART NO.	DESCRIPTION	QTY
1	10381	HAIRPIN, .093 X 1.625	1
2	10426	PIN, COTTER, .125"x1.5"	2
3	10588A	5/8", OD CLAMP, GALV. VINYL, HYD HOSE RETAIN	4
4	10652	I-BOLT, FORGED 3/4" RIGHT HAND	6
5	10676	BRACKET, HOPPER TRANSPORT ARM MNT. H13XX	2
6	10970	PIN, CLEVIS, HOPPER TRANSPORT SUPPORT	1
7	11036	PIN, CLEVIS, TRANSPORT PULLEY SUPPORT, INNER	1
8	11038	PIN, CLEVIS, 1/2X1-1/2", PULLEY SUPPORT	1
9	11040	PULLEY, LOWER, SWING HOPPER TRANSPORT SUPPORT	1
10	11716	BRACKET, CABLE ALIGN, H13XX	1
11	30420	BRACKET ASSEMBLY, TRUSS MOUNT, H13XX	2
12	30435	FLIGHTING SECTION ASM, INFEED, H13XX	1
13	30446	FLIGHTING, INFEED STAGE 1, H13XX	1
14	30477	CHAIN, SAFETY, SWING HOPPER SUPPORT, H13XX	1
15	30774A	TUBE ASM, INFEED, HC13102, H13112	1
16	30780	PULLEY HOUSING ASSY, HOPPER TRANSPORT	1
17	30783	PULLEY & BRASS BUSHING ASSY, HOPPER TRANSPORT	1
18	30819	ARM, HOPPER TRANSPORT SUPPORT, H1392&102	1
19	40005	BOLT, 1/2-13UNC X 1-1/2" HEX FLANGE, GRD 5, ZINC	10
20	40026	BOLT, 3/8-16UNC X 1" HEX, GRD 5, ZINC	6
21	40041	BOLT, 5/8-11UNC X 1-1/2" HEX FLANGE, GRD 5, ZINC	2
22	40043	BOLT, 5/8-11UNC X 3" HEX, GR5, ZINC	1
23	40046	NUT, 1/2-13UNC, GRD 5, ZINC	2
24	40047	NUT, 1/2-13UNC, HEX FLANGE, GRD 5, ZINC	14
25	40050	NUT, 1/4-20UNC, HEX, GRD 5, ZINC	4
26	40053	NUT, 3/4-10UNC, HEX FLANGE, GRD 5, ZINC	6
27	40057	NUT, 3/8-16UNC, HEX, GRD 5, ZINC	6
28	40061	NUT, 5/8-11UNC, HEX FLANGE, GRD 5, ZINC	2
29	40062	NUT, 5/8-11UNC, HEX, TOPLOCK, ZINC	1
30	40068	WASHER, FLAT, 3/4", ZINC	7

DRAWING NO. PBH13038

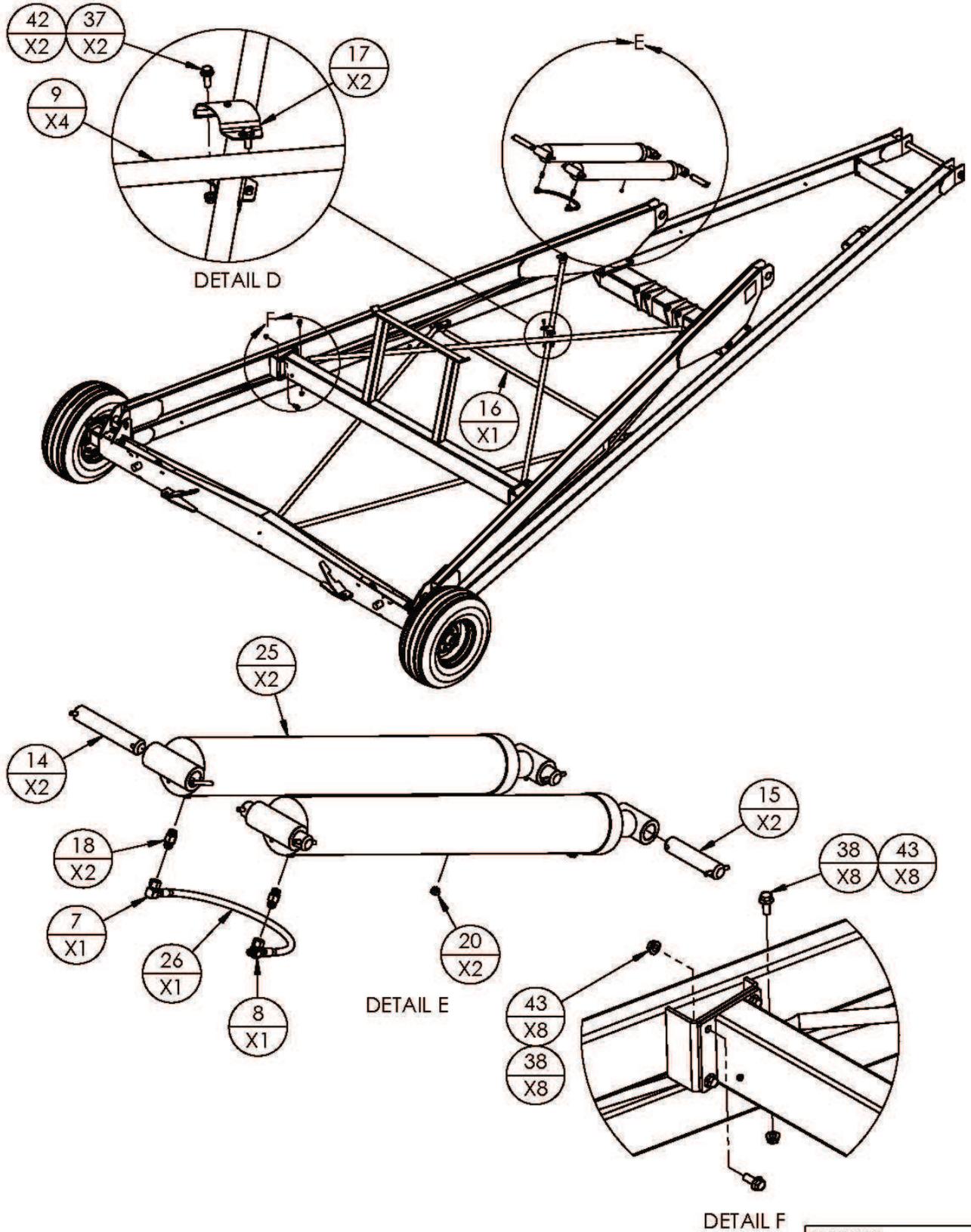


ITEM NO.	PART NO.	DESCRIPTION	QTY
1	10579	QUICKLINK CHAIN CONNECTOR, 1/2 INCH	2
2	10680	BRACKET, BOLT TRUSS CABLE MOUNT, H13XX	2
3	30430	FLIGHTING SECTION ASM, REGULAR, H13XX	1
4	31074	TUBE ASSEMBLY, 4TH FROM INFEED, H13112	1
5	40005	BOLT, 1/2-13UNC X 1-1/2' HEX FLANGE, GRD 5, ZINC	10
6	40043	BOLT, 5/8-11UNC X 3" HEX, GR5, ZINC	3
7	40047	NUT, 1/2-13UNC, HEX FLANGE, GRD 5, ZINC	10
8	40062	NUT, 5/8-11UNC, HEX, TOPLOCK, ZINC	3

DRAWING NO.
PBH13039



DRAWING NO.
PBH13043





REV	AUGER MODEL(S)	PART/ASSEMBLY DESCRIPTION
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ITEM NO.	PART NO.	DESCRIPTION	QTY
1	10245	ZERK, GREASE, 1/4-28UNF, STRAIGHT	10
2	10304	SCREW, SELF TAPPING, #12 x 3/4"	3
3	10384	PIN, ROLL, 3/8" X 3", ZINC	20
4	10434	NUT, 1/2-20, 60 DEGREE LUG NUT, ZINC	12
5	10439	PLATE, CROSS MOUNT, CARRIAGE STABILIZER, H13XX	1
6	10588A	5/8", OD CLAMP, GALV. VINYL, HYD HOSE RETAIN	3
7	11018	ELBOW, #8 FEMALE JIC TO #8 MALE JIC (6500-08-08)	1
8	11019	TEE, #8 MALE JIC X #8 MALE JIC X #8 FEMALE JIC	1
9	11096	TUBE, X-BRACE, TRUSS, H1392&102	4
10	11100	PIN, CARRIAGE ARM TO AUGER TUBE, H1392&102	1
11	11101	PIN, SCISSOR ARM HINGE, H1392&102	2
12	11102	PIN, SCISSOR ARM TO UPPER AUGER TUBE, H1392	1
13	11103	PIN, CARRIAGE ARM TO AXLE, H1392&102	2
14	11104	PIN, CYLINDER MOUNT, UPPER, H1392&102	2
15	11105	PIN, CYLINDER MOUNT, LOWER, H1392&102	2
16	11114	TUBE, TRUSS, CARRIAGE CROSS, H1392&102	1
17	11186	CLAMP, X-BRACE SCISSOR, H1392&H13102	2
18	30097	VELOCITY FUSE	2
19	30102	CANISTER, OWNERS MANUAL	1
20	30105	BREATHER, 3/8" NPT	2
21	30770	TUBE ASSEMBLY, CARRIAGE, H1392&102	2
22	30787	AXLE EXTENSION ASSEMBLY, RIGHT, H1392&102	1
23	30787A	AXLE EXTENSION ASSEMBLY, LEFT, H1392&102	1
24	30790B	SCISSOR ARM ASSY, UPPER, H1392&102	1
25	30792	CYLINDER, 5" X 42" STROKE	2
26	30794-01	HOSE, 3/8x23", #8 FEMALE JIC BOTH ENDS	1
27	30795	TIRE & RIM ASSY, 11LX15, 12PLY, ON PURE WHITE RIM	2
28	30798	HUB/SPINDLE ASSEMBLY, (6 ON 6") H1392&102	2
29	30800	PIN, AXLE EXTENSION RETAIN, WITH PIN CLIP	2
30	30806	ARM, SCISSOR, LOWER RIGHT, H1392&102	1
31	30807	ARM, SCISSOR, LOWER LEFT, H1392&102	1
32	30808	CYLINDER MOUNT ASSY, H1392&102	1
33	30809	TRANSPORT SUPPORT, H1392&102	1
34	31190	AXLE ASSEMBLY, H1392&102	1
35	40005	BOLT, 1/2-13UNC X 1-1/2" HEX FLANGE, GRD 5, ZINC	16
36	40019	BOLT, 3/4-10UNC X 2" HEX, GRD 5, ZINC	12
37	40025	BOLT, 3/8-16UNC X 1" HEX FLANGE, GRD 5, ZINC	2
38	40041	BOLT, 5/8-11UNC X 1-1/2" HEX FLANGE, GRD 5, ZINC	24
39	40047	NUT, 1/2-13UNC, HEX FLANGE, GRD 5, ZINC	16
40	40049	NUT, 1/4-20UNC, HEX FLANGE, GRD 5, ZINC	3
41	40053	NUT, 3/4-10UNC, HEX FLANGE, GRD 5, ZINC	12
42	40056	NUT, 3/8-16UNC, HEX FLANGE, GRD 5, ZINC	2
43	40061	NUT, 5/8-11UNC, HEX FLANGE, GRD 5, ZINC	24

DRAWING NO. PBH13043
