



Quick Mill™
CP36 & CP48
For
Skid Steer Loaders

**Operation
& Maintenance Manual**



Read the Manual Before Use

⚠ WARNING Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead based paints,
- Crystalline silica from bricks and cement and other masonry products, and
- Arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

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REFERENCE INFORMATION

Write the serial number for your attachment in the spaces below. Always refer to this serial number when calling for service or parts.

Serial Number.....

YOUR ATTACHMENTS DEALER

ADDRESS:

PHONE:

CONTACT:

NOTE: *Quick Attach Attachments LLC reserves the right to make improvements in design or changes in specifications at any time without notice and without incurring any obligations to install them on units previously sold.*

DO NOT use or perform maintenance on this machine until this manual has been read and understood. In addition, read the Operation and Maintenance Manual(s) pertaining to the attachment and the attachment carrier (“Loader”).

The user is responsible for inspecting the machine daily, and for having parts repaired or replaced when continued use of the machine would cause damage, excessive wear to other parts or make the machine unsafe for continued operation.

If an operating procedure, tool device, maintenance or work method not specifically recommended is used, you must satisfy yourself that it is safe for you and others. You must also ensure that the attachment will not be damaged or made unsafe by the procedures you choose.

Quick Attach Attachments LLC cannot anticipate every possible circumstance that might involve potential hazard. The safety messages found in this manual and on the machine are therefore not all inclusive.

The signal words **CAUTION**, **WARNING**, or **DANGER** are used to indicate hazards.

⚠ CAUTION Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

⚠ WARNING Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠ DANGER Indicates a potentially hazardous situation which, if not avoided, will result in death or serious injury.

The word **IMPORTANT**, is used in the text when immediate damage will occur due to improper technique or operation.

The word **NOTE** is used to convey information that is out of context with the manual text; special information such as specifications, techniques, reference information, and other information of a supplementary nature.

SAFETY

Improper operation can cause serious injury or death.

Pre-operation

- This attachment is designed to be used for both asphalt and concrete milling operations. **NEVER** use this machine for any other purpose.
- Read the operators manual for the “Skid Steer Loader.” **NEVER** allow untrained people to operate.
- Operating instructions must be given to everyone before operating this attachment and at least once a year thereafter in accordance with OSHA regulations.
- **NEVER** exceed the maximum recommended input power or speed specifications for the attachment. Over-powering or over-speeding the attachment may cause personal injury and/or machine damage.
- Keep all shields, guards, and covers in place.
- Do not modify equipment or add attachments that are not approved by Quick Attach Attachments LLC.
- Use adequate safety warning lights and devices as required by local regulations. Obey all local laws and regulations regarding machine operation on public property.

Operation

- Always wear eye protection that meets z87.1 or use with a loader enclosure that provides similar protection.
- Hydraulic connections may be hot after use. Use gloves if connecting or disconnecting after use.
- Check and be sure all operating controls are in neutral before starting the engine.
- Milling concrete and asphalt can release dust containing silica. According to OSHA, exposure to silica can result in respiratory diseases (affecting your ability to breath), including silicosis, lung cancer, and kidney disease. Refer to OSHA for more information about controlling exposure to silica. Occupational use of this attachment may be subject to OSHA regulations specific to respirable silica.

Operation (continued)

- Keep people away from loader, attachment and discharge when in use. This attachment sends objects flying and has rotating parts. **NEVER** direct discharge toward people – rocks and debris can be thrown.
- **NEVER** operate near embankments or terrain that is so steep that rollover could occur.
- Always stay in the operator position when using the attachment.
- Before leaving the operators position, disengage hydraulic drive, lower the attachment to rest flat on the ground, stop engine, set park brake, and wait for all motion to stop.
- **NEVER** place hands in the discharge area or clear debris while the engine is running.

Avoid High Pressure Fluids Hazard



- Escaping fluid under pressure can penetrate the skin causing serious injury.
- Avoid the hazard by relieving the pressure before disconnecting hydraulic lines.
- Use a piece of paper or cardboard, NOT BODY PARTS, to check for suspected leaks. Wear protective gloves and safety glasses or goggles when servicing or performing maintenance on hydraulic systems.
- If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result.

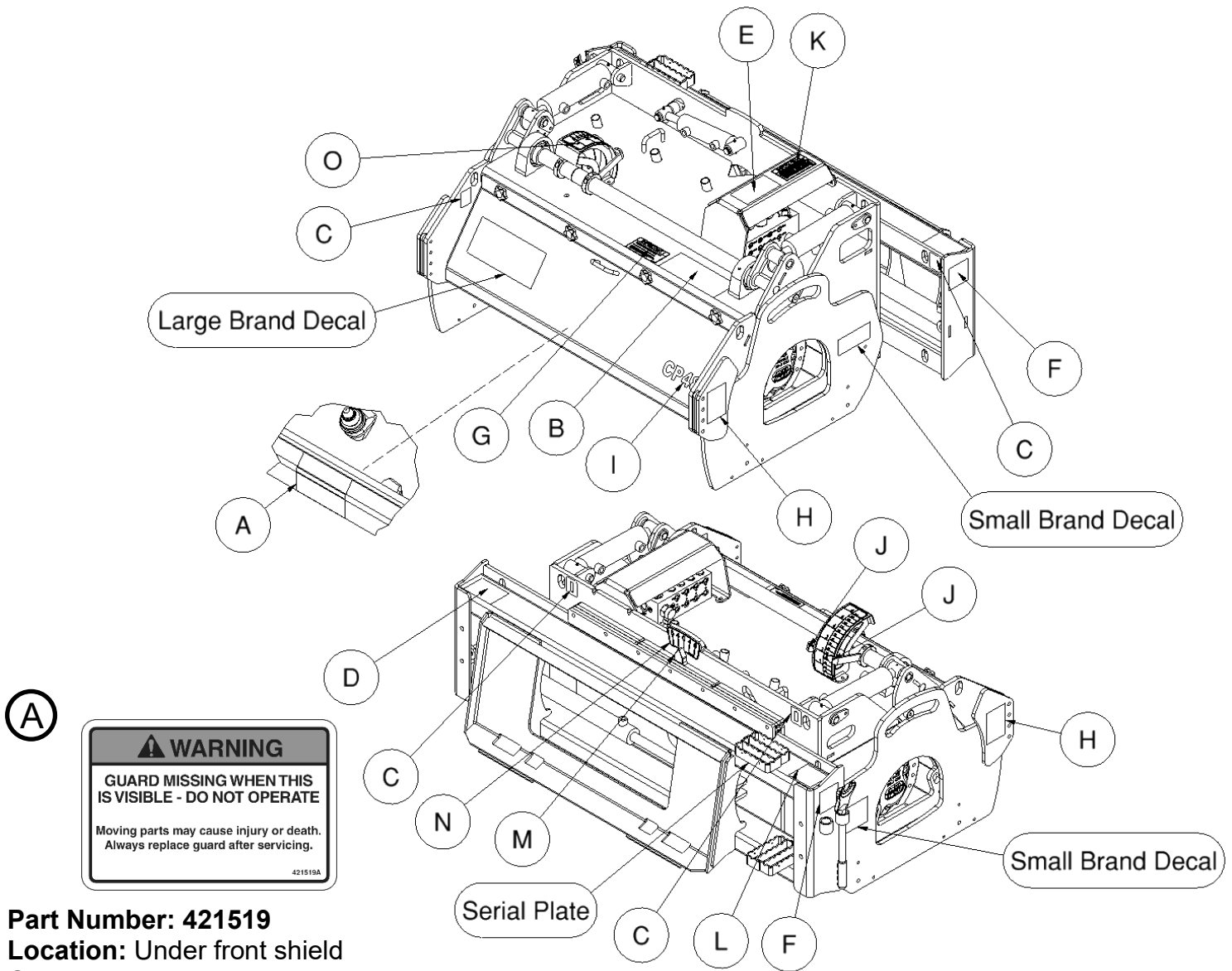
Maintenance

- **NEVER** make adjustments, lubricate, clean, or perform any service on the machine while it is in operation.
- Make sure the attachment is serviced on a daily basis. Improper maintenance can cause serious injury or death in addition to damage to the attachment and/or your equipment.

SERIAL NUMBER AND SAFETY DECAL LOCATIONS

Serial Number Location:

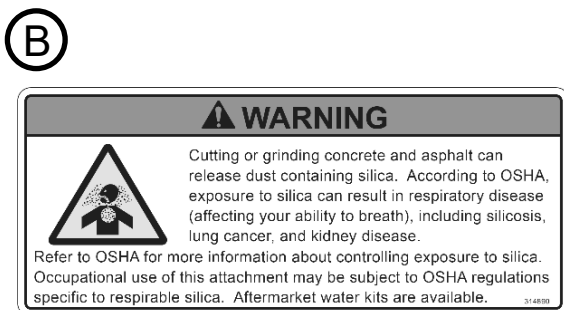
It is important to refer to the serial number of the attachment when making repairs or ordering parts. Early or later models (identification made by serial number) may use different parts, or it may be necessary to use different procedures in doing a specific operation.



Part Number: 421519

Location: Under front shield

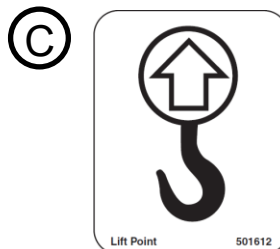
Quantity: 1



Part Number: 314890

Location: On front top LH

Quantity: 1



Part Number: 501612

Location: On end plates and frame LH & RH & rear

Quantity: 6



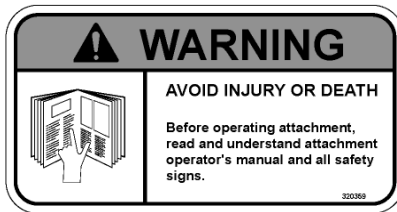
Part Number: 200001

Location: On left endplate of frame near valve

Quantity: 1

SERIAL NUMBER AND SAFETY DECAL LOCATIONS

(E)



Part number: 320359

Location: On Valve shield towards front

Quantity: 1

(F)



Part Number: 320025

Location: On endplates of frame near rear

Quantity: 2

(G)



Part Number: 319439

Location: Top front of frame

Quantity: 1

(J)

Part Number: 314493 (RED DEPTH)

Location: On each gauge pointer

Quantity: 2

(H)



Part number: 203234

Location: On each side of cutter frame

Quantity: 2

(I)

Part Number: Model Decal

314473 (CP36) or 314474 (CP48)

Location: On front shield

Quantity: 1

(L)

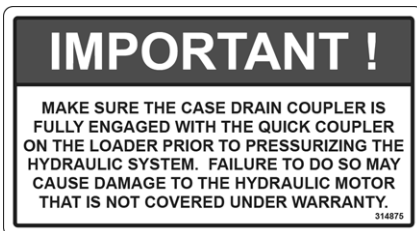


Part Number: 313391

Location: RH rear of Cutter frame

Quantity: 1

(K)

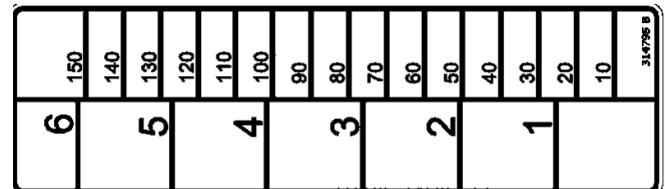


Part Number: 314875

Location: valve shield towards rear

Quantity: 1

(O)



Part Number: 314795

Location: On depth gauge weldment

Quantity: 1

(M)

Part Number: 314492 (RED ANGLE)

Location: On pivot w/a below depth gauge

Quantity: 1

Large Brand Decal

Location: On front of cutter shield

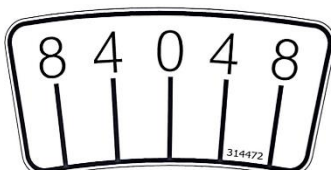
Quantity: 1

Small Brand Decal

Location: On endplate near valve and on right depth shoe

Quantity: 2

(N)



Part Number: 314472

Location: On back of main body weldment

Quantity: 1

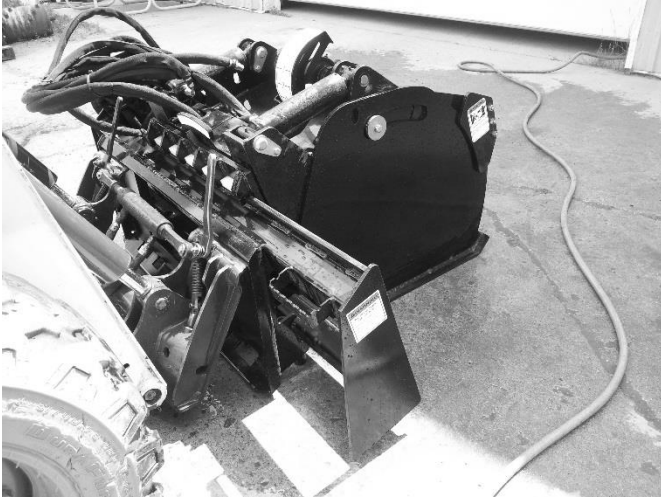
Safety Decals Locations:

The locations of the safety decals are shown. If these decals are missing, damaged, or painted over they must be replaced. Call Quick Attach Attachments LLC (320-759-1551) for replacement decals.

MOUNTING INSTRUCTIONS

After uncrating the attachment, use the following procedure to mount the attachment to the loader.

⚠ WARNING Coupler wedges or pins must extend through the holes in the attachment mounting plate. Levers must be fully down and locked. Failure to secure wedges or pins can allow attachment to come off and cause injury or death.



Mounting Plate Connection



Hydraulic Connections

1. Use the steps, treads, and grab handles to get on and off the loader and attachment.
2. Sitting in the operator's seat, lower seat bar and fasten the seat belt.
3. Drive the loader to the rear of the attachment. Put the loader quick attach coupler into the attachment mounting bracket.
4. Tilt the loader coupler backward a small amount until it is fully engaged in the attachment mounting bracket.
5. Stop the engine and engage the park brake.
6. Secure the coupler locking mechanism that attaches the attachment to the loader.

MOUNTING INSTRUCTIONS

7. Connect the hydraulic quick couplers from the attachment to the loader.

IMPORTANT: Make sure the quick couplers are fully engaged. If the quick couplers do not fully engage, check to see that the couplers are the same size and brand. Do not force the quick couplers together.

IMPORTANT: Wipe the ends of the hydraulic quick couplers (both lead and loader) with a rag to remove any possible contamination. Contamination can cause hydraulic components to fail and is not covered under warranty.

NOTE: See the Loader's Operation and Maintenance Manual.

NOTE: Attachment is shipped with 12FJX (1-1/16" Female JIC Swivel) fittings on the ends of the lead hoses

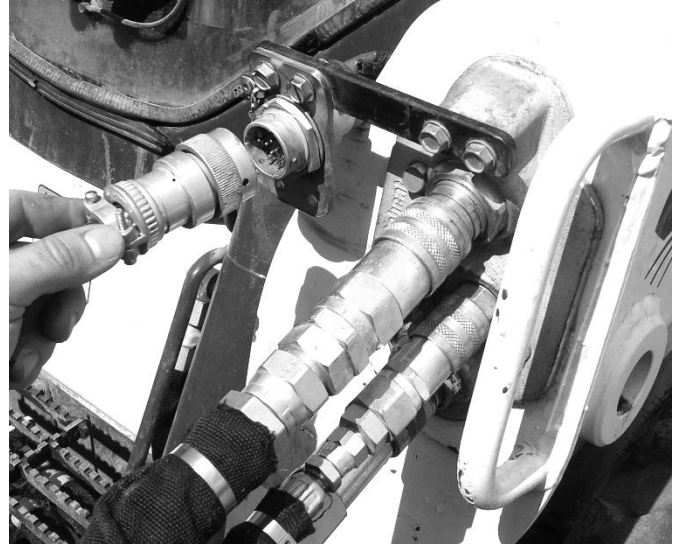
8. Connect the wire harness to the loader's wire harness receptacle. (Disregard if a pistol grip controller is supplied with the attachment.)

Make sure the hoses and wire harness are properly routed to fit your specific loader. If the hoses or harness are not routed correctly, they may get pinched or rub on tires. Be sure to check the hose and harness routing through the full range of intended motion of the attachment before operating it.

More than one routing may be acceptable depending on the loader. Pick the routing that best suits your loader.

IMPORTANT: Proper hose and harness routing is the responsibility of the owner and/or operator. Pinched or stretched hoses and harness are not covered under warranty.

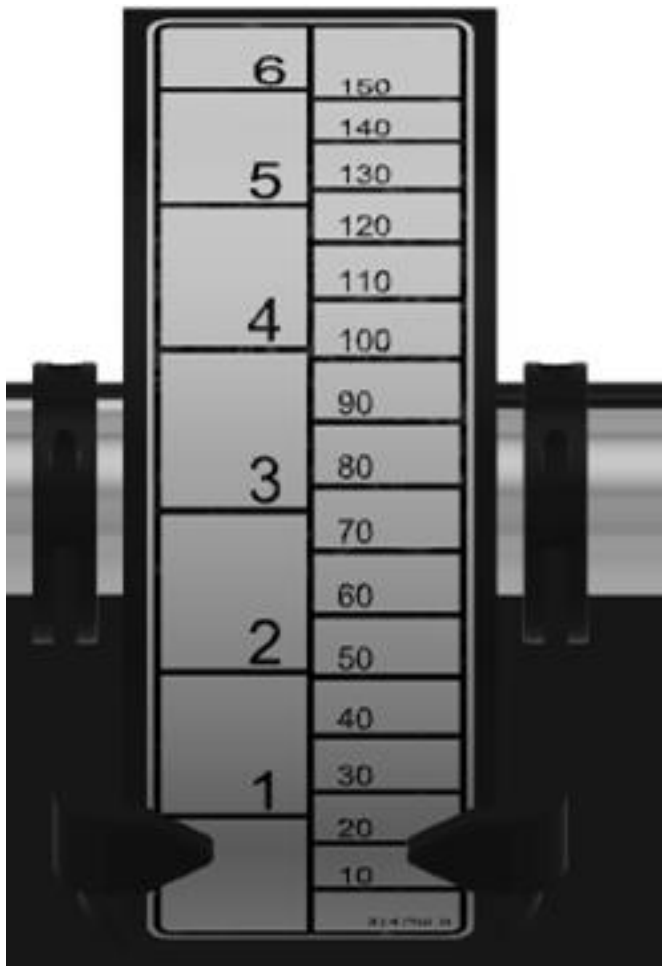
Mounting is now complete and you are ready to use the attachment. Use the above instructions in a reverse order to dismount the attachment from the loader.



14 Pin Wire Harness Connection



Cold Planer Ready for Operation



Depth of Cut Indicator



Cutting Head Rotate Indicator

Operation

1. With the operator in the seat of the loader, the seat belt fastened and the seat bar lowered (if so equipped), start the engine.
2. With the engine at an idle, activate the high flow auxiliary hydraulic system to start the drum rotation. Then gradually increase the loader engine to full throttle.

IMPORTANT: Engine must be at idle speed when engaging auxiliary hydraulic system.

NOTE: Certain loaders may not operate in high flow mode without a special wire harness. Others require the control switches to be operated in a specific way. It may also be necessary to switch the hose couplers around to match your loader. (See the loader's operation and maintenance manual)

3. With the loader boom lowered completely and the auxiliary hydraulics engaged, slowly rotate the loader coupler forward until the attachment skid shoes are in contact with the ground.
4. Before advancing with the loader, slowly raise the left and right skid shoes until the desired depth of cut is achieved. (Up to 6" for most models)

NOTE: For optimal performance, the majority of the weight of the front of the skid steer should be placed upon the planer with the loader arms fully lowered. The transfer of skid steer weight to the attachment will result in a smoother and faster milling operation. The loader arms should never be placed in the float condition: excessive vibration will result.

NOTE: In some cases the drum rotation may stall when the load on the planer is too high. This is most likely the result of excessive ground speed. The hydraulic reliefs on board the loader are designed to prevent damage to the hydraulic system by diverting all flow from the planer motor. If this occurs, stop or slightly reverse the forward progress of the skid steer and allow the drum to return to full operating speed before continuing.

NOTE: Be aware that the drum motor will lose power while the other auxiliary functions are in operation.

OPERATING INSTRUCTIONS

Cutting Head Rotation and Side Shift Operation

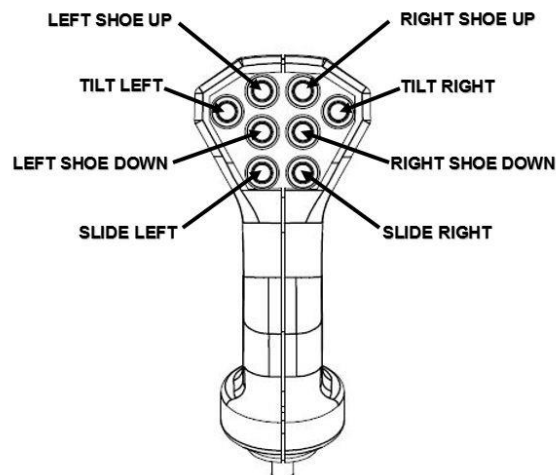
1. Roll the skid steer arms fully back and raise the planer 12 to 15 inches off the ground.

IMPORTANT: Planer must be raised above the ground while operating the side shift and head oscillation adjustment features.

2. Activate the auxiliary hydraulic system in reverse flow to operate the functions.

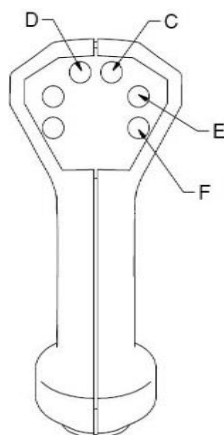
NOTE: The planer drum is designed not to rotate when the oil flow is activated in the reverse direction, although a small amount of rotation may be seen with some loaders.

3. Proceed to use the left or right side shift control on the pistol grip harness as specified in the manual. If these functions are controlled by the loader, see the skid steer specific control instructions.



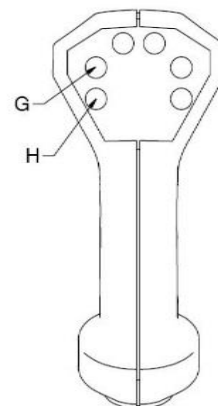
Pistol Grip Harness Control

Skid Loader Cab Controls



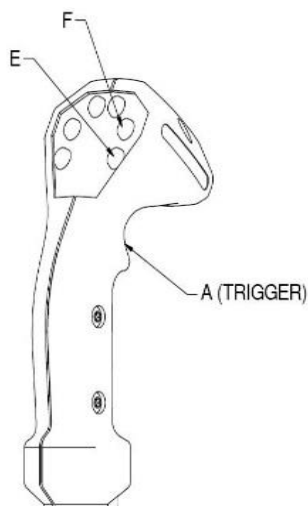
LH JOYSTICK

4-FUNCTION CONTROLS	
BUTTONS	FUNCTION
C	LEFT SHOE UP
D	LEFT SHOE DOWN
E	RIGHT SHOE UP
F	RIGHT SHOE DOWN
H + C	SIDE SHIFT RIGHT
H + D	SIDE SHIFT LEFT
H + E	ROTATE LEFT
H + F	ROTATE RIGHT



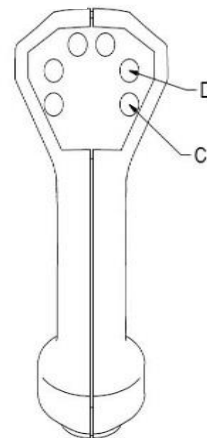
RH JOYSTICK

CAT D Cab Controls



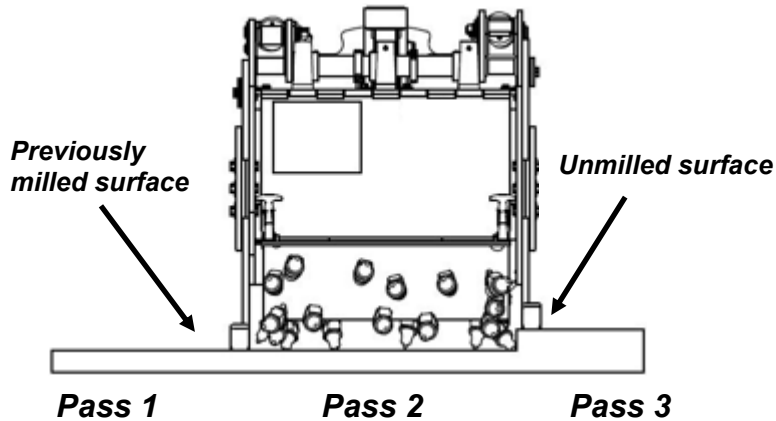
LH JOYSTICK

4-FUNCTION CONTROLS	
BUTTONS	FUNCTION
C	SIDE SHIFT RIGHT
D	SIDE SHIFT LEFT
A + C	ROTATE RIGHT
A + D	ROTATE LEFT
E + C	RIGHT SHOE DOWN
E + D	RIGHT SHOE UP
F + C	LEFT SHOE DOWN
F + D	LEFT SHOE UP



RH JOYSTICK

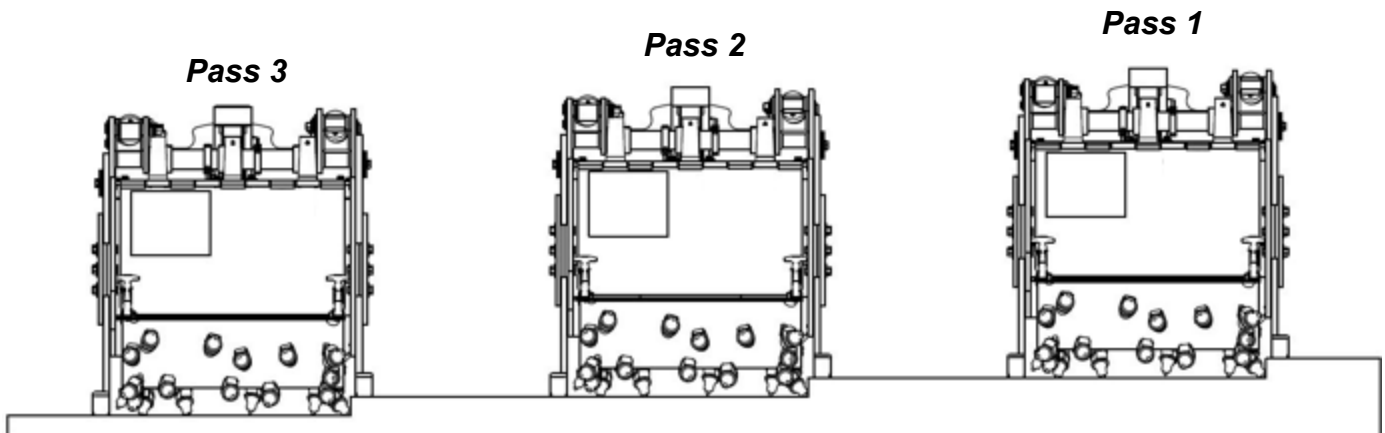
Large Area Single Pass Milling



The independently controlled skid shoes allow for continuous milling at a consistent depth across large areas. This is achieved by setting the desired depth of cut for the skid shoe on the unmilled side of the planer and setting the other skid shoe down so that it will cut flush with the previously milled surface. The skid shoe that is on the previously milled surface can be used as a physical guide for the planer and slid alongside the edge of the pavement that is currently being milled by the planer.

Large Area Multi-Pass Milling

Multiple passes can be used to remove material down to depths greater than the Planer's single pass capabilities. This is done by milling the entire surface, removing all the spoil, and then returning to mill the entire surface again and so on until the required depth is achieved.

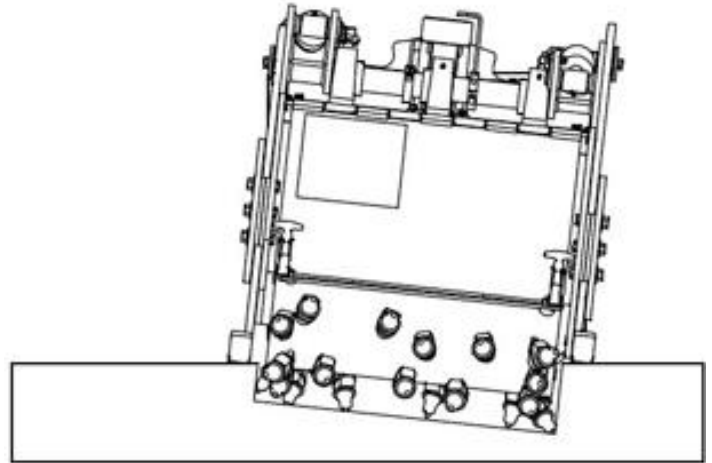


NOTE: Spoil should be removed from the surface prior to attempting each additional pass.

OPERATING INSTRUCTIONS

Taper Cuts

The independently controlled skid shoes and rotating head allow for tapered cuts along the perimeter of any paved surface. This works well for patching old pavement, or joining new paved surfaces together by creating a smooth transition between the surfaces being joined. The suggested method is to plunge the planer head down to the deepest part of the taper for the first pass, then proceed either direction from the first pass until the desired profile is achieved.

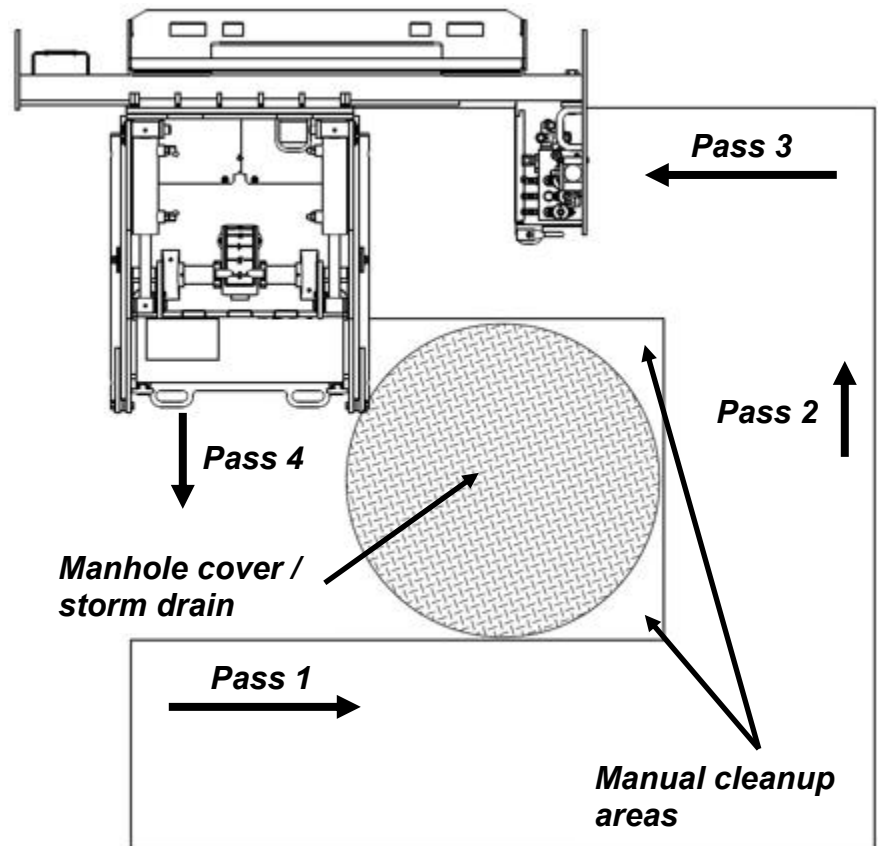


Milling Around Foreign Objects

The side shift feature gives the operator a clear line of sight down alongside the planer head which allows milling to be achieved up close to objects that cannot otherwise be milled. The suggested method is to mill a minimum of four passes around the object and then manually clean up the areas that weren't able to be milled.

The side shift feature can also be used to mill up next to curbs. This can be accomplished by removing the right skid shoe and side shifting the planer head completely to the right side. (See page 17 for skid shoe removal.)

IMPORTANT: Make sure the operator has a clear line of sight alongside the planer head so that damage will not occur to the planer or manhole cover / storm drain.



⚠ WARNING

Lower the attachment to rest, shut down the engine, relieve the hydraulic pressure to the attachment, wait for all motion to stop, and set park brake before leaving the operator's seat to perform service of any kind. If servicing attachment while attached to a skid loader, make sure that the hydraulic couplers are disconnected.

It is the operator's responsibility to make daily inspections of the loader and attachment for damage, loose bolts, fluid leaks, or anything else that could cause a potential service or safety problem. Preventive maintenance is the easiest and least expensive type of maintenance.

IMPORTANT: Bolts and set screws can loosen after initial usage. After the first hour of operation check all bolts and set screws.

IMPORTANT: Fluids such as engine oil, gear lube, and hydraulic fluid must be disposed of in an environmentally safe manner. Some regulations require that certain spills and leaks be cleaned in a specific manner. Check local, state, and federal regulations for the correct disposal.

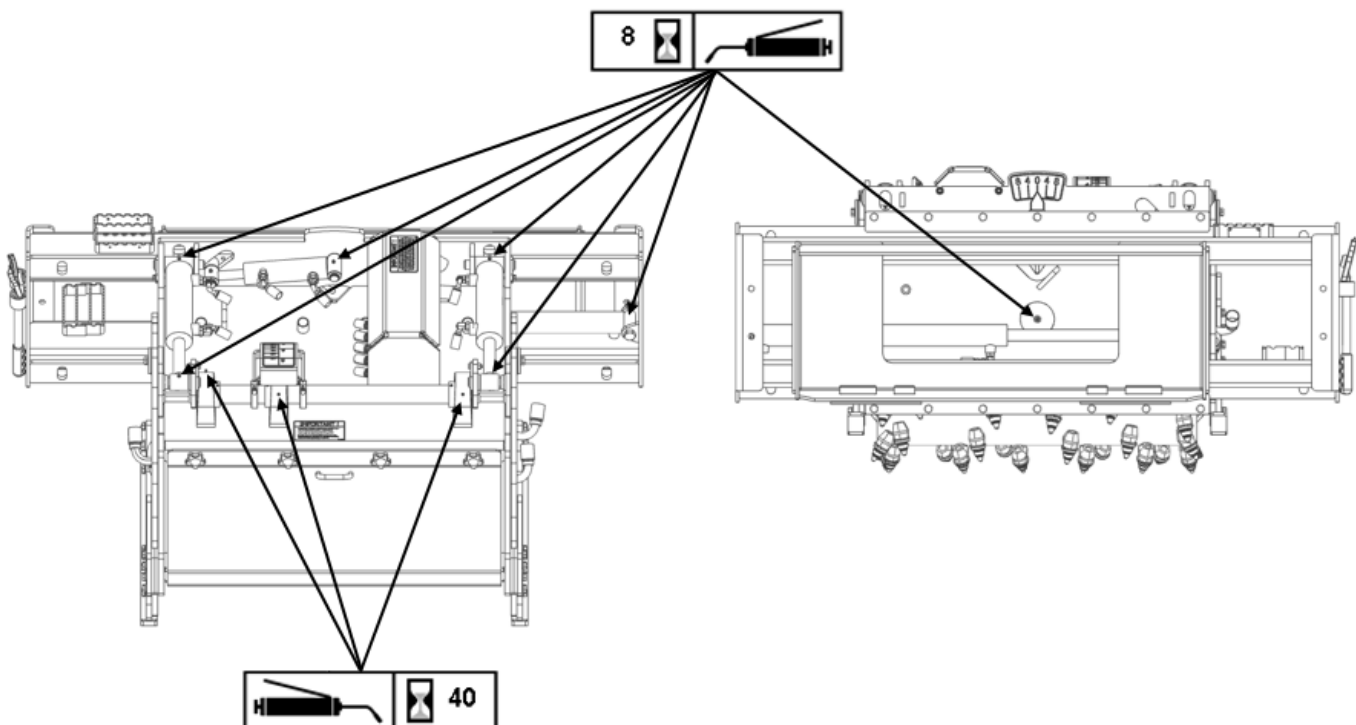
DAILY INSPECTION



Follow the cold planer service schedule for routine maintenance.

Check the following items every **8 hours** of operation:

1. Check teeth and holders for cracks or excessive damage. Replace if necessary.
2. Check entire attachment for weld cracks or excessive damage. Repair if necessary.
3. Check all hardware. Retighten if necessary.
4. Check shields. Repair if damaged or replace if necessary.
5. Check for damaged or missing decals. Replace if missing.
6. Check for damaged or leaking hydraulic hoses or fittings. Replace if necessary.
7. Lubricate all pivot points.
8. Spray the drum with diesel fuel to allow the teeth to rotate freely in the holders.
9. Grease the three main bearings. No more than 2 pumps of grease every 40 hours.

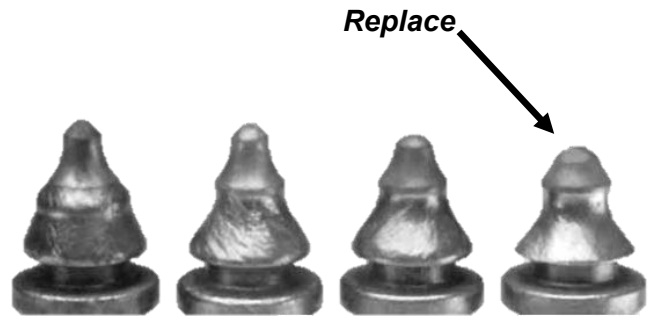


ROUTINE MAINTENANCE

Pick Inspection, Setup, Removal, & Installation

Inspection:

The factory installed carbide picks are specifically designed to be a wear product. The life expectancy of the picks will depend greatly on the hardness, the abrasiveness, and the thickness of the material being cut. It is also very critical that the picks rotate freely in the holders to maintain even and consistent wear throughout the life of the picks. A normal pick wear progression is depicted to the right. The pick seen furthest to the right is an example of one that should be replaced, with the carbide almost gone and the body is nearly worn to the base.



Pick Wear Progression

IMPORTANT: Continued use of the picks beyond this point will have adverse effects, such as poor productivity, possible cutter head failure, and other costly repairs.

NOTE: Examples of abnormal pick wear causes and solutions are on page 28.

NOTE: See the parts explosion on pages 18 and 19 for replacement pick packages and part numbers.

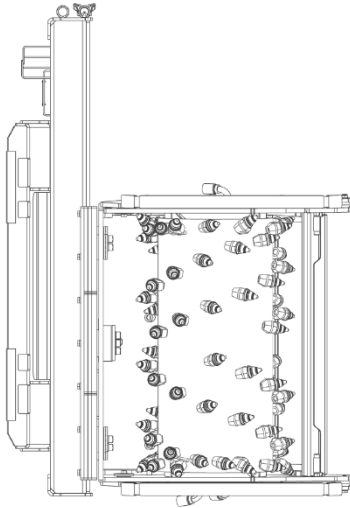
Cold Planer Tooth Replacement

⚠ WARNING Always wear safety glasses when performing this operation. Hardened tools can shatter causing injury.

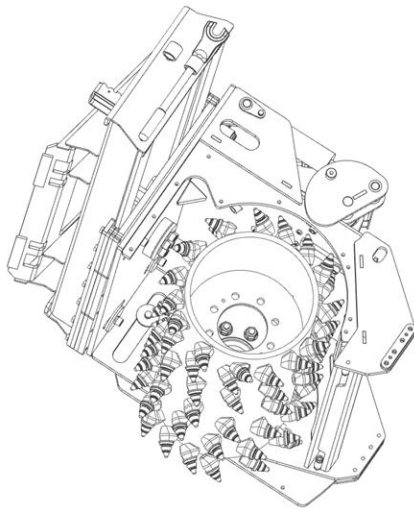
1. Open the front cover to allow free access to the cold planer drum.
2. Make sure the cold planer cutter head is positioned in such a way that the drum is allowed to rotate freely.
3. The tooth removal tool included with the planer should be used to remove the teeth from their holders.
4. To remove a tooth, place the fork end of the tool into the groove in the tooth and strike raised area on the tool with a hammer until the tooth is removed.
5. To install a new tooth, place the fork end of the tool into the groove in the tooth and set the shank end of the tooth over the hole in the tooth holder.
6. Then strike the raised area on the tool with a hammer until the tooth is fully seated into the tooth holder.



Tooth Installation



Safely set the Planer on blocks on its side.

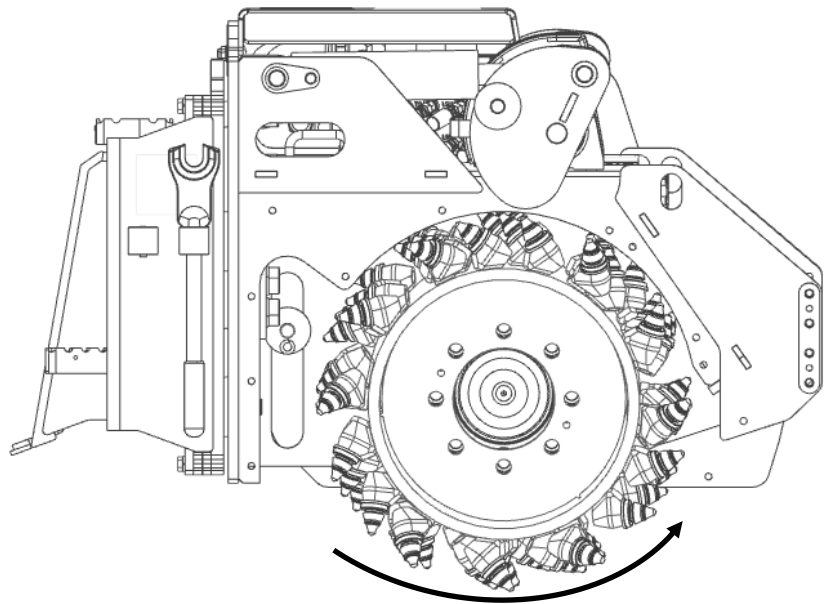


The drum with the right motor removed.

Cold Planer Drum Replacement

1. Position the cold planer in a location that will allow the use of a hoist to set the Planer on its side on blocks and then lift out the drum.
2. Remove the hydraulic hoses from the right side motor.
3. Remove the right side skid shoe plate (4) by removing the two large retaining washers (13) and then the guide plate (6). See pages 16 and 17 for detail.
4. Remove the nine ½" flat head bolts from the right motor mount and lift the motor and mount out of the drum.
5. Using a socket and extensions remove the eight M20 nuts located inside the drum for the left motor.
6. Lift the drum carefully from the body of the planer
7. Hoist the new drum down on top of the left motor then reinstall the parts and hardware in a reverse order of removal.

IMPORTANT: Make sure the drum is oriented in the proper direction when installing. The proper orientation is as follows. When facing the hub side of the motor, rotation will be in a CCW direction. Therefore the teeth on the drum should also be pointing in a CCW direction. See illustration for verification.

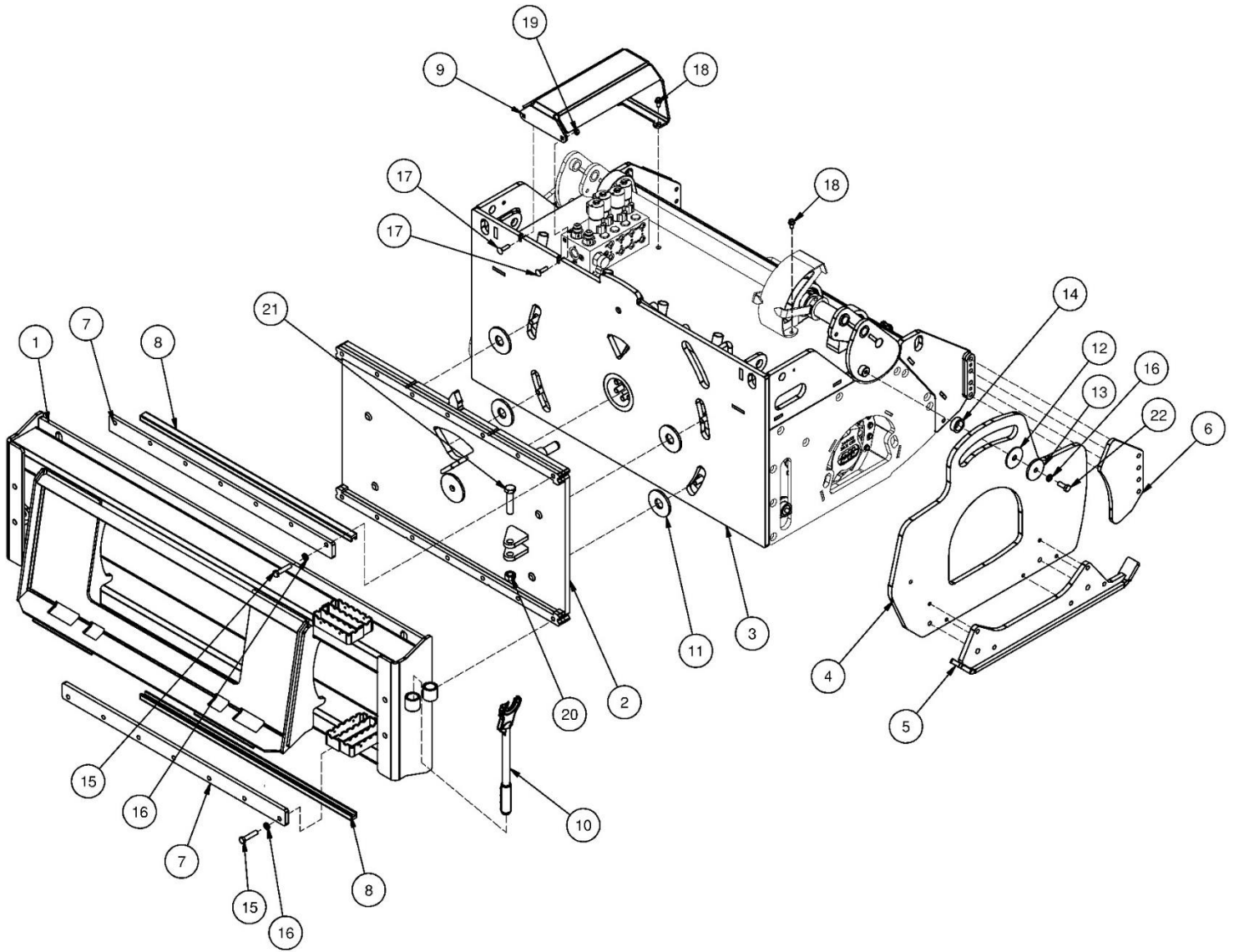


Drum Rotation Direction

COLD PLANER 36 & 48 PARTS INFORMATION

ITEM	QTY	PART NO.	DESCRIPTION	STOCK NO.
1	1	314400	MOUNT FRAME CP W/A	
2	1	314401	PIVOT MOUNT CP W/A	
3	1	314402	BODY MAIN CP 36 W/A	
	1	314408	BODY MAIN CP 48 W/A	
4	2	314413	PLATE SKID SHOE CP 36/48 PAINTED	
5	2	314405	SKID SHOE CP W/A	
6	2	314465	PLATE GUIDE SKID SHOE PAINTED	
7	2	314443	PLATE .50 X 2.25 X 38 W/H PAINTED	
8	2	314444	CHANNEL PLASTIC 36	
9	1	314471	BRKT COVER VALVE CP PAINTED	
10	1	320795	TOOL PICK REMOVAL ASPH/CONCRT	
11	4	316657	WASHER NYLON 1.3 X 3.5 X.25	
12	2	314894	WASHER PLASTIC .64 X 2.75	
13	2	314656	WASHER PLATE .53 X 2.75 X .25 Z	
14	2	318058	BUSH 1.75 X 1.27 X .63	
15	14	15212	BOLT HEX	1/2 X 2-1/4 NC GR 8
16	16	33626	WASHER LOCK	1/2"
17	2	21818	BOLT CARR	3/8 X 1-1/4 NC GR 5
18	4	19929	BOLT FLNG SERRATED	3/8 X 3/4 NC GR2 Z
19	2	37212	NUT REV LOCK	3/8 NC GR GR5
20	1	37217	NUT REV LOCK	3/4 NC GR A Z
21	1	13366	BOLT HEX	3/4 X 3-1/4 NC GR 5
22	2	13207	BOLT HEX	1/2 X 1-1/4 NC GR 5

PARTS INFORMATION



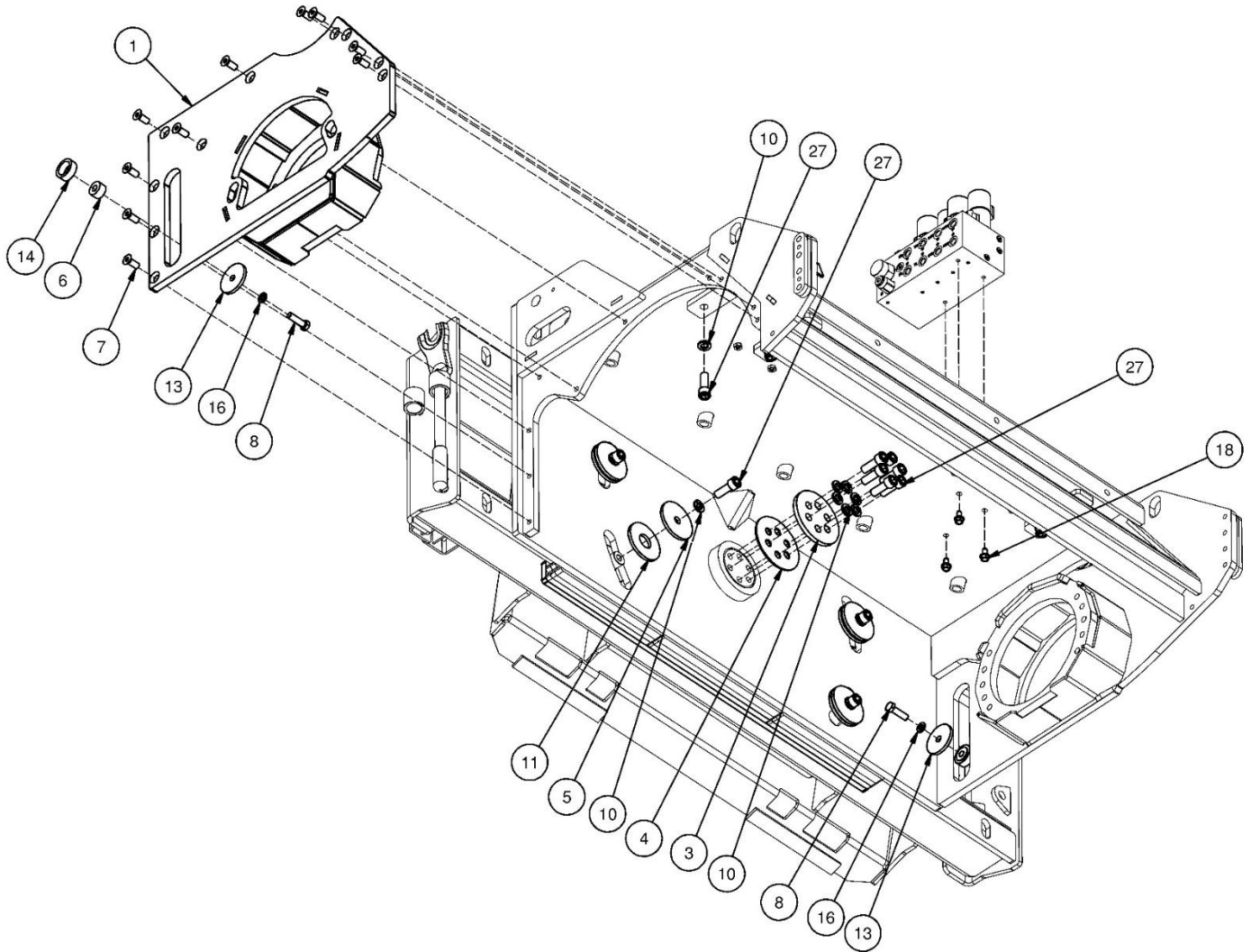
PARTS INFORMATION

ITEM	QTY	PART NO.	DESCRIPTION	STOCK NO.
1	1	314404	DRUM CP 36 W/A	
	1	314410	DRUM CP 48 W/A	
2	1	314406	LIFT ARM LH CP 36 W/A Z	
	1	314412	LIFT ARM LH CP 48 W/A Z	
3	1	314704	LIFT ARM PIVOT 24 RH W/A Z	
4	2	314413	PLATE SKID SHOE CP 36/48 PAINTED	
5	2	314405	SKID SHOE CP W/A	
6	2	314465	PLATE GUIDE SKID SHOE PAINTED	
7	1	314403	COVER FRONT CP 36 W/A	
	1	314409	COVER FRONT CP 48 W/A	
8	1	314708	DEPTH GAUGE W/A	
9	2	314709	DEPTH GAUGE POINTER W/A	
10	84	314830	TOOTH BULLET CP/RS CONCRETE	
	96	314830	TOOTH BULLET CP/RS CONCRETE	
		314498	PKG TEETH CONCRETE CP36 (PARTS)	(84) 314830 INCLUDED
		314499	PKG TEETH CONCRETE CP48 (PARTS)	(96) 314830 INCLUDED
11	2	314415	MOTOR 38.2 MS08HF WHEEL HUB	
12	2	314894	WASHER PLASTIC .64 X 2.75	
13	2	314656	WASHER PLATE .53 X 2.75 X .25 Z	
14	2	318058	BUSH 1.75 X 1.27 X .63	
15	4	19929	BOLT FLNG SERRATED	3/8 X 3/4 NC GR2 Z
16		33626	WASHER LOCK	1/2"
17	2	316026	PIN 1 X 5 W/A	
18	3	314817	BRG 2 PLW BLK	
19	2	400041	PIN 1 X 4 W/A Z	
20	2	400015	CYLINDER 2.5 X 6 B-B	
21	2	13107	BOLT HEX	3/8 X 1-1/4 NC GR 5
22	8	13207	BOLT HEX	1/2 X 1-1/4 NC GR 5
23	2	24949	SCREW SET	5/16-18 X 1/2 FULL DOG PT
24	2	13105	BOLT HEX	3/8 X 1 NC GR 5
25	2	103880	WASHER LOCK	3/8"
26	8	13211	BOLT HEX	1/2 X 2 NC GR 5
27	20	23510	BOLT SHCS	5/8 X 1-3/4 NC BO
31	2	15307	BOLT HEX	5/8 X 1-1/4 NC GR 8 YZ
32	22	33630	WASHER LOCK	5/8"
33	2	37212	NUT REV LOCK	3/8 NC GR A Z

This technical drawing is an exploded view of a mechanical assembly, likely a piece of industrial machinery. The components are numbered 1 through 33. The main body is a rectangular frame (1) with a large circular opening. A large, flat rectangular plate (7) is shown below the frame. A complex assembly of rods, bearings, and pulleys (2, 3, 8, 9, 18, 19, 20, 21, 23) is shown at the top. A large, curved component (4) is shown on the right side. A large, circular component (10) is shown at the bottom left. Two large, cylindrical components (11) are shown at the bottom right. The diagram uses dashed lines to indicate the assembly path and alignment of the parts.

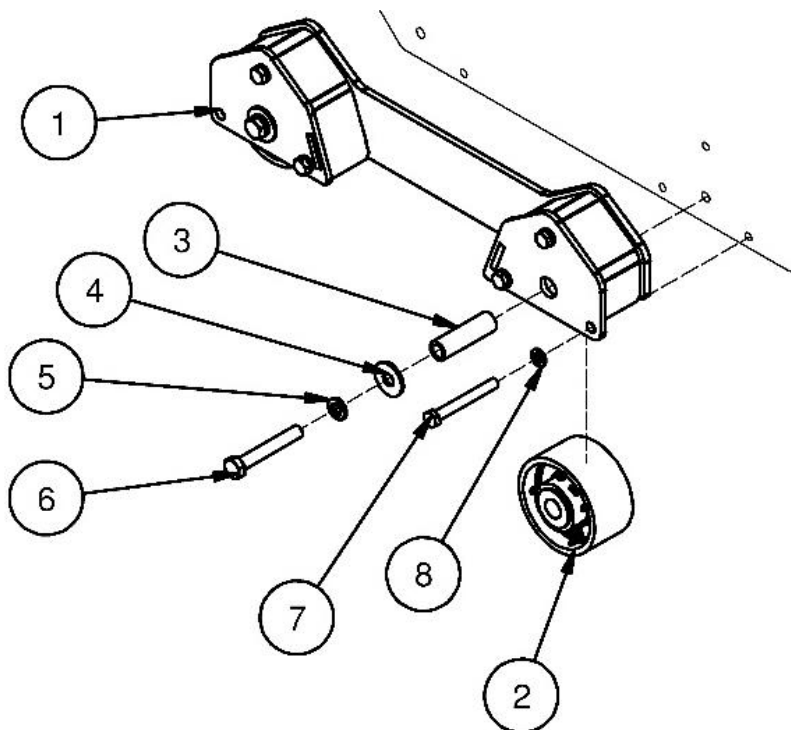
PARTS INFORMATION

ITEM	QTY	PART NO.	DESCRIPTION	STOCK NO.
1	1	314407	MOUNT MOTOR CAN CP W/A	
3	1	314781	PLATE PIVOT KEEPER PAINTED	
4	1	314809	SHIM PLASTIC SM	
5	4	316654	WASHER PLATE .63 X 3.5 X .25 Z	
6	2	314449	BUSH 1.25 X .53 X .70	
7	20	94362	BOLT FHSCS	1/2 X 1-1/4 NC GR 5
8	2	15210	BOLT HEX	1/2 X 1-3/4 NC GR 8 YZ
10	16	33630	WASHER LOCK	5/8"
11	4	316657	WASHER NYLON 1.3 X 3.5 X .25	
13	2	314656	WASHER PLATE .53 X 2.75 X .25 Z	
14	2	318058	BUSH 1.75 X 1.27 X .63	
16	2	33626	WASHER LOCK	1/2"
18	3	19929	BOLT FLNG SERRATED	3/8 X 3/4 NC GR2 Z
27	6	23510	BOLT SHCS	5/8 X 1-3/4 NC BO



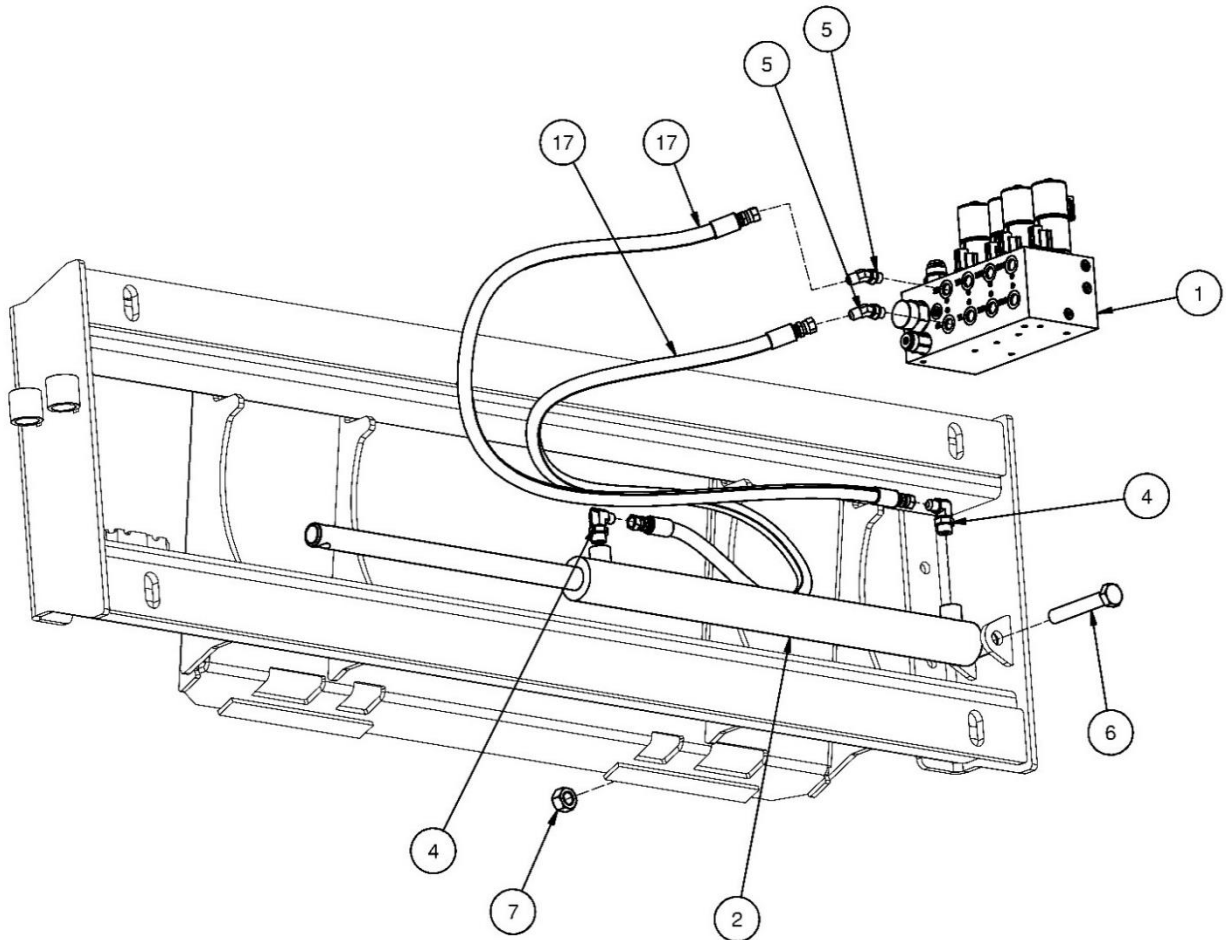
PARTS INFORMATION

ITEM	QTY	PART NO.	DESCRIPTION	STOCK NO.
		314486	PKG OPT ROLLER BOLT ON CP	
1	2	314411	FRAME MOUNT ROLLERS CP W/A	
2	4	319327	ROLLER FORGED 5 X 1 X 2.75	
3	4	314484	BUSH 1 X .66 X 3.38 Z	
4	4	33090	WASHER FLAT SAE	5/8"
5	4	33630	WASHER LOCK	5/8"
6	4	13319	BOLT HEX	5/8 X 4 NC GR 5
7	10	13219	BOLT HEX	1/2 X 4 NC GR 5
8	10	33626	WASHER LOCK 1/2	1/2"



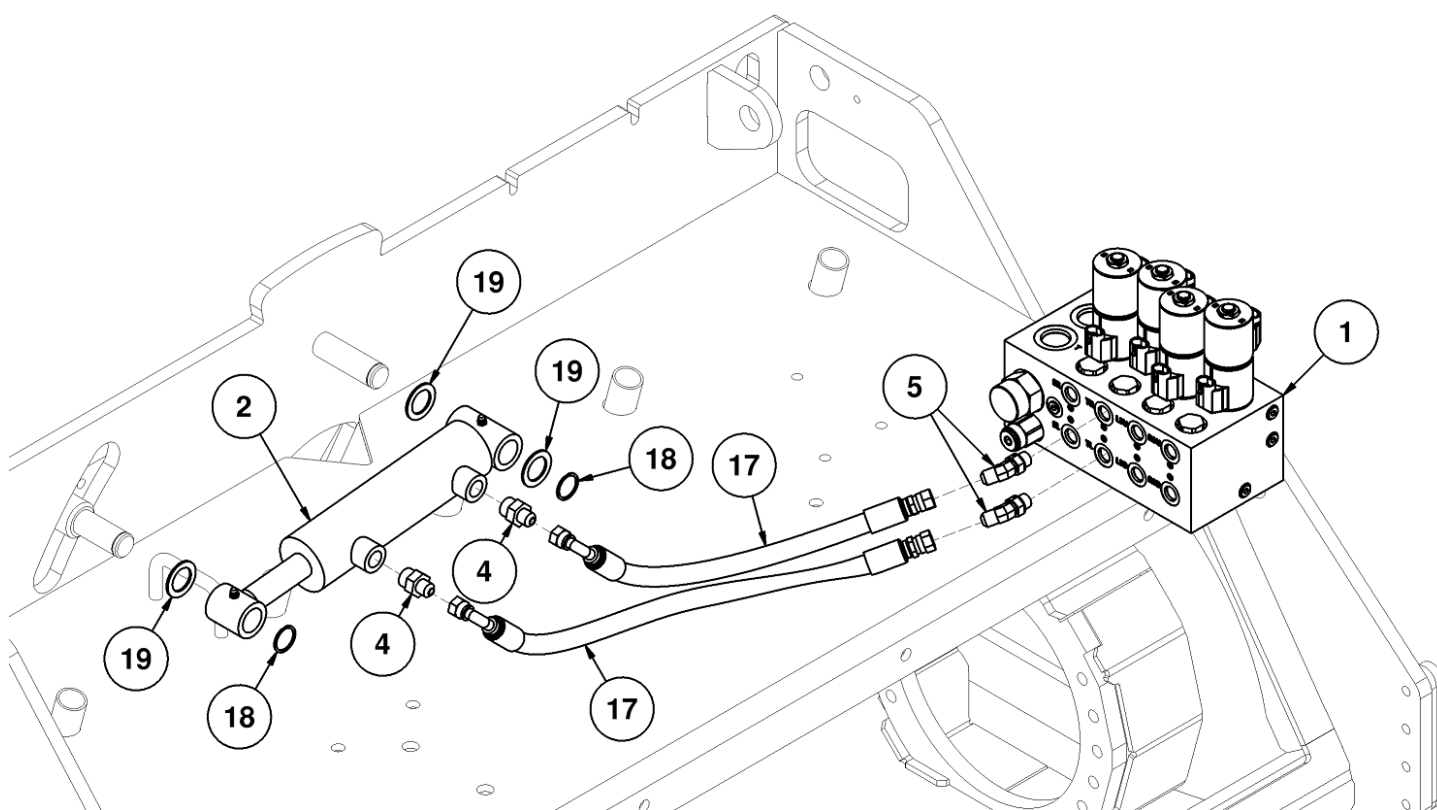
PARTS INFORMATION

ITEM	QTY	PART NO.	DESCRIPTION	STOCK NO.
1	1	314716	VALVE ASSM COLD PLANER 4-FUNC	
2	1	317274	CYLINDER 2 X 24 B-H	
4	2	320089	ADPT ELB 8MB-6MJ-90	
5	2	320086	ADPT ELB 6MB-6MJ-45	
6	1	13371	BOLT HEX	3/4 X 4-1/2 NC GR 5
7	1	37217	NUT REV LOCK	3/4 NC GR A Z
17	2	319537	HOSE 3/8 X 72 6FJX-6FJX	



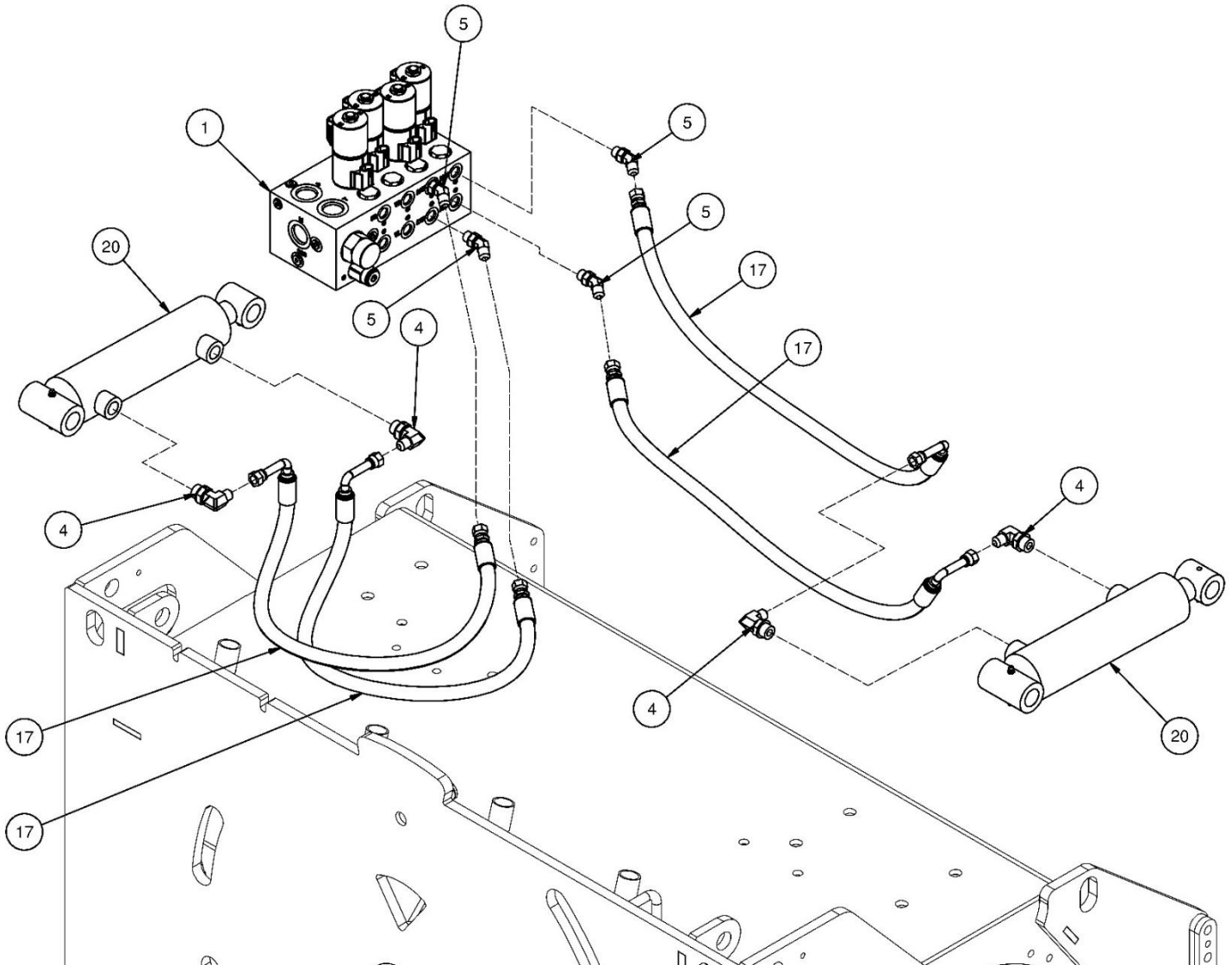
PARTS INFORMATION

ITEM	QTY	PART NO.	DESCRIPTION	STOCK NO.
1	1	314716	VALVE ASSM COLD PLANER 4-FUNC	
2	1	400074	CYLINDER 2 X 4 B-B	
4	2	201925	ADPT STR 8MB-6MJ	
5	2	320086	ADPT ELB 6MB-6MJ-45	
6	1	319543	HOSE 3/8 X 17 6FJX-6FJX-90	TILT CYL - ROD END 36"
	1	319539	HOSE 3/8 X 20 6FJX-6FJX-90	TILT CYL - ROD END 48"
17	1	319544	HOSE 3/8 X 12 6FJX-6FJX-90	TILT CYL - BASE END 36"
	1	319540	HOSE 3/8 X 15 6FJX-6FJX-90	TILT CYL - BASE END 48"
18	2	28279	RING SNAP EXT 1 X .042	
19	3	33445	WASHER MB 1 14GA NARROW	



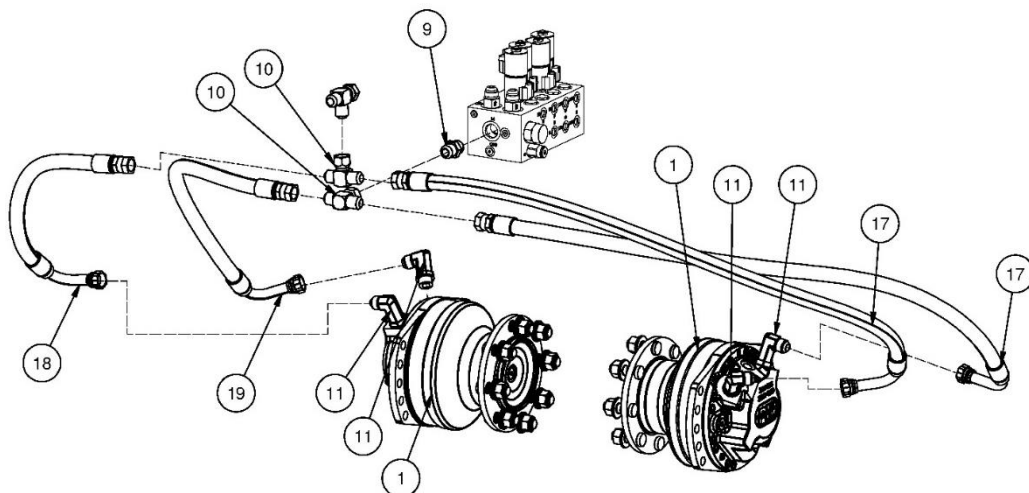
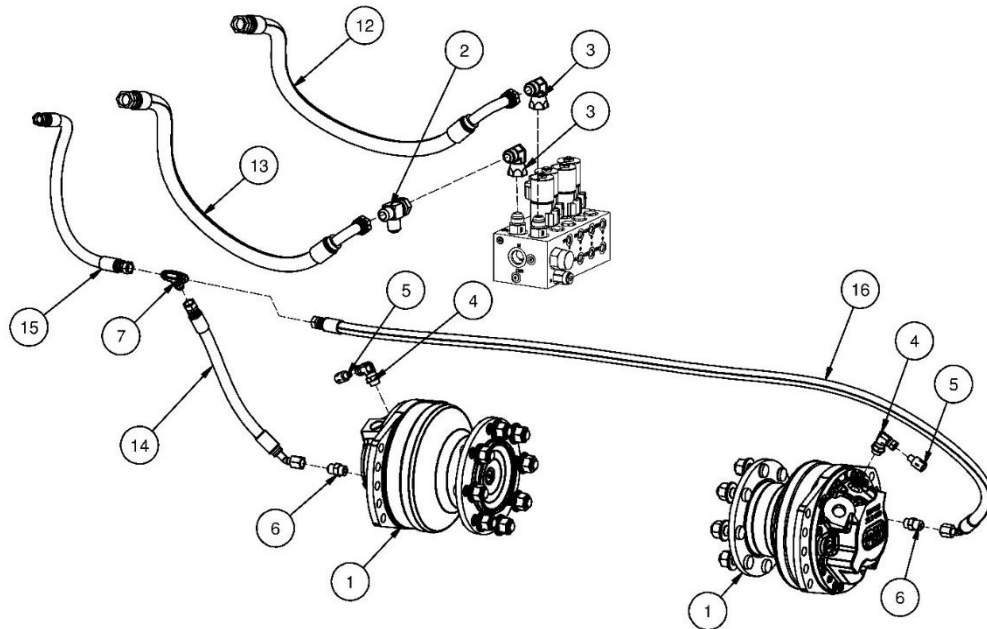
PARTS INFORMATION

ITEM	QTY	PART NO.	DESCRIPTION	STOCK NO.
1	1	314716	VALVE ASSM COLD PLANER 4-FUNC	
4	4	320089	ADPT ELB 8MB-6MJ-90	
5	4	320086	ADPT ELB 6MB-6MJ-45	
17	4	319538	HOSE 3/8 X 34 6FJX-6FJX-90L	SKID SHOES
20	2	400015	CYLINDER 2.5 X 6 B-B	



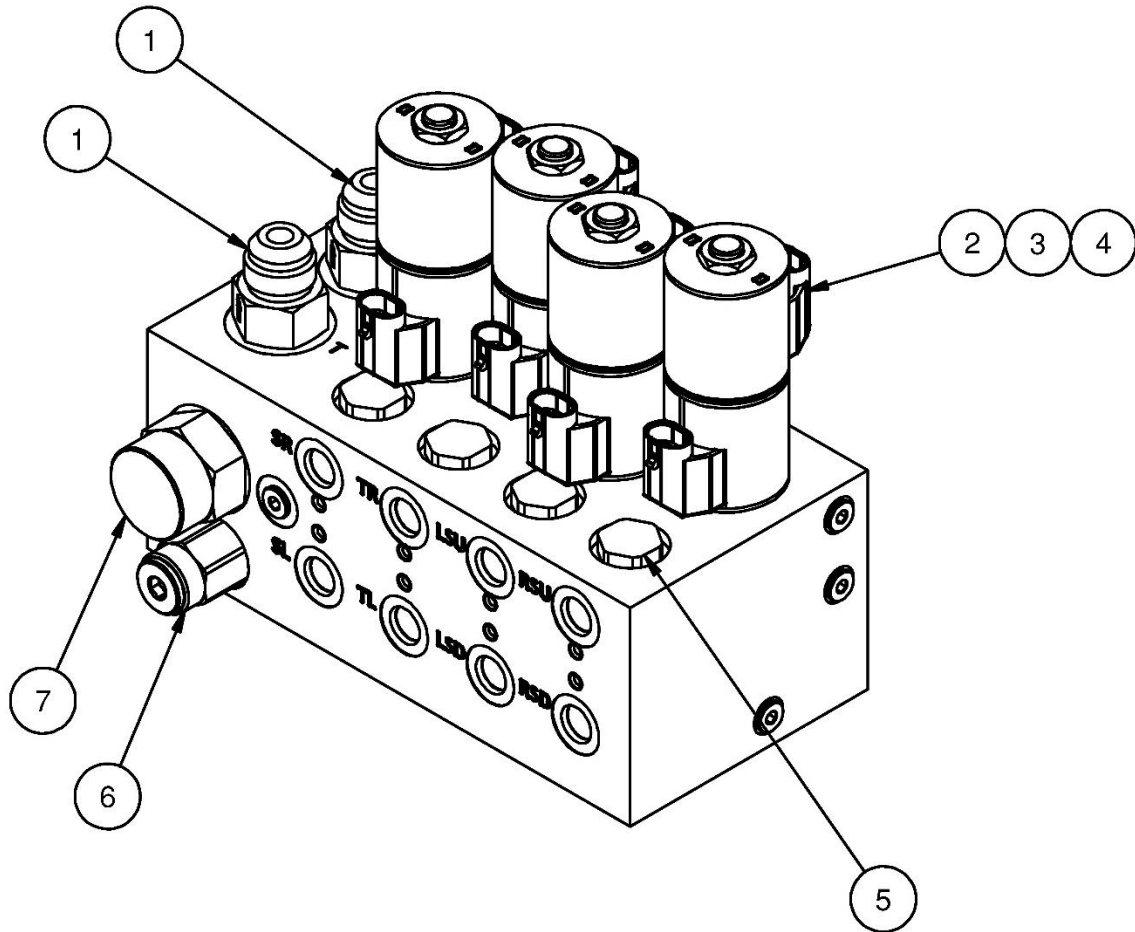
PARTS INFORMATION

ITEM	QTY	PART NO.	DESCRIPTION	STOCK NO.
1	2	314415	MOTOR 38.2 MS08HF WHEEL HUB	
2	1	314820	ADPT TEE 12FJX-12MJ-12MJ	
3	2	314826	ADPT ELB 12FJ-12MJ-90	
4	2	330872	ADPT ELB 8MB-4FPX-90	
5	2	331384	ADPT STR 4MP RELIEF 225PSI	
6	2	300273	ADPT STR 8MB-8MJ	
7	1	330948	ADPT TEE 8MJ-8MJ-8MJ	
9	1	103431	ADPT STR 12MB-12MJ	
10	2	330782	ADPT TEE 12MJ-12MJ-12FJX	
11	4	314832	ADPT ELB 12MB-12MJ-90L	
12	1	319531	HOSE 3/4 X 72 12FJX-12FJX-90L	
13	1	319530	HOSE 3/4 X 72 12FJX-12FJX-90	
14	1	319536	HOSE 1/2 X 19 8FJX-8FJX-45	
15	1	319535	HOSE 1/2 X 48 8FJX-8FJX	
16	1	319541	HOSE 1/2 X 70 8FJX-8FJX-45	CASE DRAIN RH 36"
	1	319534	HOSE 1/2 X 76 8FJX-8FJX-45	CASE DRAIN RH 48"
17	2	319529	HOSE 3/4 X 54 12FJX-12FJX-90L	MOTOR RH 36"
	2	319506	HOSE 3/4 X 60 12FJX-12FJX-90L	MOTOR RH 48"
18	1	319533	HOSE 3/4 X 27 12FJX-12FJX-90L	
19	1	319532	HOSE 3/4 X 33 12FJX-12FJX-90L	



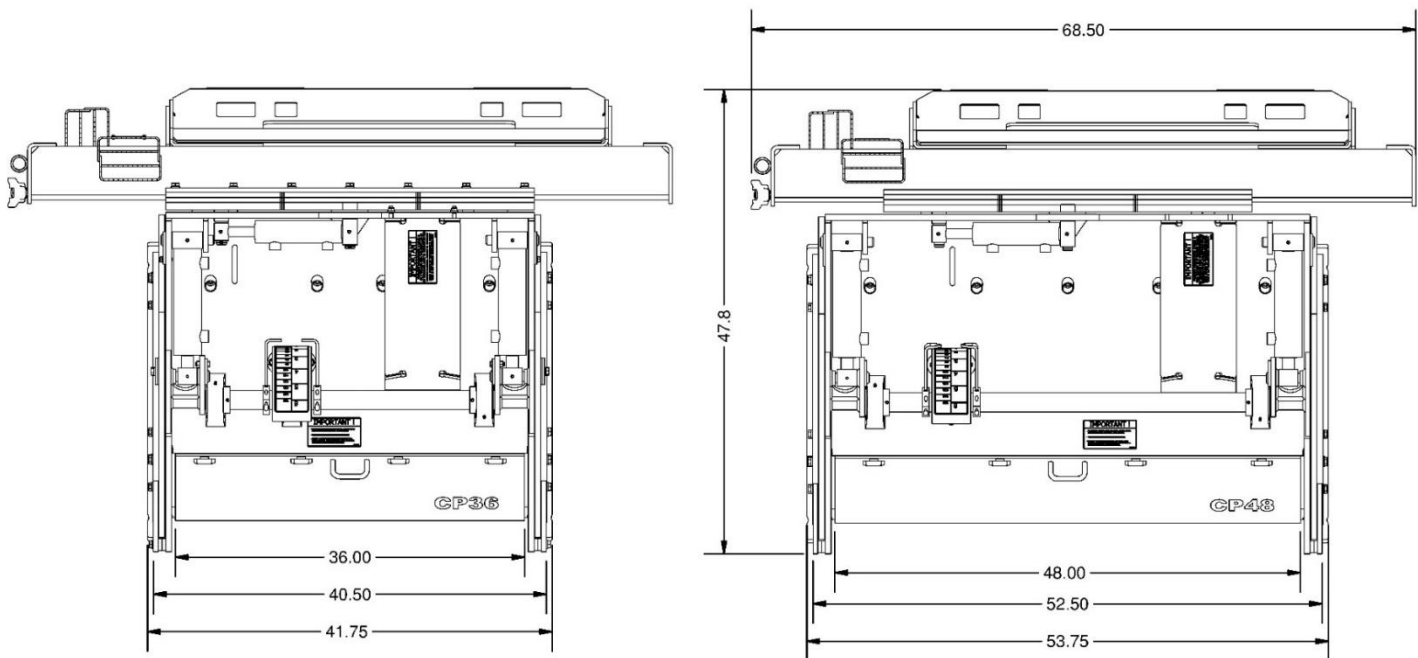
PARTS INFORMATION





ITEM	QTY	PART NO.	DESCRIPTION	STOCK NO.
1	2	330862	ADPT STR 12MB-12MJ CHECK 5PSI	
2	8	314899	COIL VALVE 12V ECOIL #10	
3	4	300955	WASHER E-COIL SPACER SP10	
4	4	321003	VALVE DIRECTIONAL 10-57D	
5	4	321311	VALVE CHECK DUAL PO	
6	1	300298	VALVE RELIEF HIDDEN 08-20H	
7	1	330959	LOGIC ELEMENT FLOW REG DRAIN CP	



GENERAL SPECIFICATIONS

CP36 Specifications		CP48 Specifications	
Motor Specs		Motor Specs	
Minimum Flow Rate	25 GPM	Minimum Flow Rate	25 GPM
Maximum Flow Rate	112 GPM	Maximum Flow Rate	112 GPM
Maximum Speed	340 RPM	Maximum Speed	340 RPM
Minimum Operating Pressure	3000 PSI	Minimum Operating Pressure	3000 PSI
Maximum Pressure	6525 PSI	Maximum Pressure	6525 PSI
Maximum Power Output	82 HP	Maximum Power Output	82 HP
Maximum Torque	6610 lb ft	Maximum Torque	6610 lb ft
Planer Specs		Planer Specs	
Hydraulic Flow Classification	High Flow Attachment	Hydraulic Flow Classification	High Flow Attachment
Number of Teeth	78	Number of Teeth	90
Width of Cut	36"	Width of Cut	48"
Depth of Cut	6"	Depth of Cut	6"
Depth Control	Hydraulic (Ind. Left & Right Shoe)	Depth Control	Hydraulic (Ind. Left & Right Shoe)
Side Shift Distance	24"	Side Shift Distance	24"
Side Shift Control	Hydraulic	Side Shift Control	Hydraulic
Maximum Tilt Angle	±8°	Maximum Tilt Angle	±8°
Tilt Control	Hydraulic	Tilt Control	Hydraulic
Overall Width	68"	Overall Width	68"
Overall Length	48"	Overall Length	48"
Overall Height	34"	Overall Height	34"
Overall Weight	2550 lbs.	Overall Weight	2800 lbs.



PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
 Poor Rotation	<p>Worn pick holders.</p> <p>Excess material build-up on pick shank.</p> <p>Holder not properly aligned.</p> <p>Excessive machine speed.</p>	<p>Replace the worn holders.</p> <p>Clean holder & shank with solvent.</p> <p>Remove incorrect holder and reposition.</p> <p>Slow down the machine.</p>
 Excessive Steel Body Wear	<p>Caused by soft abrasive material.</p> <p>High rotational speed.</p>	<p>Consider using a larger diameter carbide tip base.</p> <p>Consider using a heavier body pick.</p>
 Extreme Carbide Tip Wear	<p>Hard material (aggregate)</p> <p>Heat build-up on the pick.</p>	<p>Consider using a larger carbide tip.</p> <p>Consider cooling picks with water.</p>
 Tip Fractures	<p>Extremely hard material (aggregate)</p> <p>Heat build-up on the pick.</p> <p>Improper pick installation.</p> <p>Poor rotation.</p>	<p>Consider using a larger carbide tip base diameter.</p> <p>Consider cooling picks with water.</p> <p>Use pick installation tool, rubber mallet, or copper hammer.</p> <p>See above instructions.</p>

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Motor on the planer will not operate.	Auxiliary hoses not hooked up to the skid steer. Obstruction in hydraulic lines. Hydraulic motor damaged or seals blown. Skid steer auxiliary valve not engaged.	Engage Couplers Remove obstruction and replace if necessary. Call service department for instructions. Engage auxiliary valve.
Drum rotates sluggishly.	Insufficient hydraulic flow from the skid steer. Damaged quick coupler. Hydraulic motor damaged or seals blown. Oil filter on skid steer is dirty.	Refer to skid steer's owner's manual. Replace if necessary. Call service department for instructions. Refer to skid steer's owner's manual.
Leaking Oil.	Loose or damaged hydraulic line. O-Rings on fittings damaged. Hydraulic motor damaged or seals blown. Fittings loose or damaged. Cylinder seals damaged.	Tighten or replace. Replace if necessary. Call service department for instructions. Tighten or replace. Replace cylinder seals.
Insufficient power.	Insufficient hydraulic flow from the skid steer. Relief valve setting adjusted too low. Hydraulic motor damaged or seals blown. Oil filter on skid steer is dirty.	Refer to skid steer's owner's manual. Refer to skid steer's owner's manual. Call service department for instructions. Refer to skid steer's owner's manual.
Drum rotates in the wrong direction.	Hoses from the valve to the motor incorrectly connected.	Switch hoses at the motor end.
Excessive vibration during planing operation.	Picks are worn or broken. Picks contain flat spots or are not rotating freely. Insufficient down force due to incorrect operating procedure.	Visually inspect the picks and replace as necessary. Visually inspect the picks and replace as necessary. Refer to the Operating section of this manual.

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Excessive oil temperature.	Hydraulic oil level too low. Obstruction in hydraulic lines. Hydraulic oil or oil filter in skid steer is dirty. Relief valve setting adjusted too low.	Refer to skid steer's owner's manual Remove obstruction and replace if necessary. Refer to skid steer's owner's manual. Refer to skid steer's owner's manual.
All hydraulic cylinders not functioning.	Blown fuse on skid steer. Damaged electrical wiring.	Refer to skid steer's owner's manual. Test and replace if necessary.
A Hydraulic cylinder not operating.	Insufficient hydraulic flow from the skid steer. Solenoid valve spool bent. Nut on Solenoid valve too tight Cylinder rod bent. Cylinder seals damaged. Obstruction in hydraulic lines.	Refer to skid steer's owner's manual. Replace spool. Loosen nut. Visually inspect the cylinder for damage. Replace cylinder seals. Remove obstruction and replace if necessary.
Hydraulic cylinders only operating in one direction.	Contaminants in the hydraulic system and solenoid valve. Damaged electrical wiring. Solenoid valve spool bent. Nut on Solenoid valve too tight. Air in the hydraulic cylinder.	Remove spool from solenoid valve and check for foreign material. Clean or replace. Remove spool from solenoid valve and check seals for damage. Replace if necessary. Test and replace spool if necessary. Loosen nut. Loosen a fitting on the cylinder and bleed the air out of the line.



LIMITED WARRANTY

Quick Attach Attachments LLC warrants each new machine manufactured by us to be free from defects in material and workmanship for a period of twenty-four (24) months from date of delivery to the original purchaser.

Our obligation under this warranty is to replace free of charge, at our factory or authorized dealership, any part proven defective within the stated warranty time limit.

All parts must be returned freight prepaid and adequately packaged to prevent damage in transit.

This warranty does not cover:

1. New products which have been operated in excess of rated capacities or negligence
2. Misuse, abuse, accidents or damage due to improperly routed hoses
3. Machines which have been altered, modified or repaired in any manner not authorized by our company
4. Previously owned equipment
5. Any ground engaging tools in which natural wear is involved, i.e. tooth tips, cutting teeth, etc
6. Normal maintenance
7. Fork tines
8. Hydraulic motors that have been disassembled in any manner

In no event will the Sales Representative, Dealership, Quick Attach Attachments LLC, or any other company affiliated with it or them be liable for incidental or consequential damages or injuries, including but not limited to the loss of profit, rental or substitute equipment or other commercial loss. Purchaser's sole and exclusive remedy being as provided here in above.

Quick Attach Attachments LLC must receive immediate notification of defect and no allowance will be made for repairs without our consent or approval.

This warranty is in lieu of all other warranties, express or implied by law or otherwise, and there is no warranty of merchantability or fitness purpose.

No agent, employee, or representative of Quick Attach Attachments LLC has any authority to bind Quick Attach Attachments LLC to any warranty except as specifically set forth herein. Any of these limitations excluded by local law shall be deemed deleted from this warranty; all other terms apply.

This warranty may not be enlarged or modified in any manner except in writing signed by an executive officer of Quick Attach Attachments LLC to improve its products whenever it is possible and practical to do so. Quick Attach Attachments LLC reserves the right to make changes and or add improvements at any time without incurring any obligation to make such changes or add such improvements to products previously sold.

Quick Attach Attachments LLC
P.O. Box 1083 Alexandria, MN 56308
Phone (218) 435-4045 Fax (218) 435-5293



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Quick Attach Attachments LLC

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