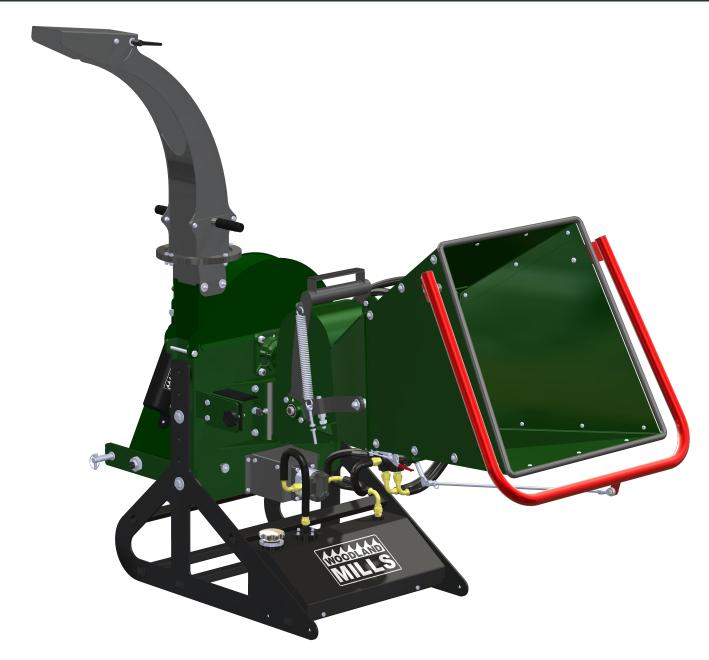
WC88 PTO WOOD CHIPPER



OPERATOR'S MANUAL

0006717-M-EN: Rev C Publication Date: 22-Aug-2022



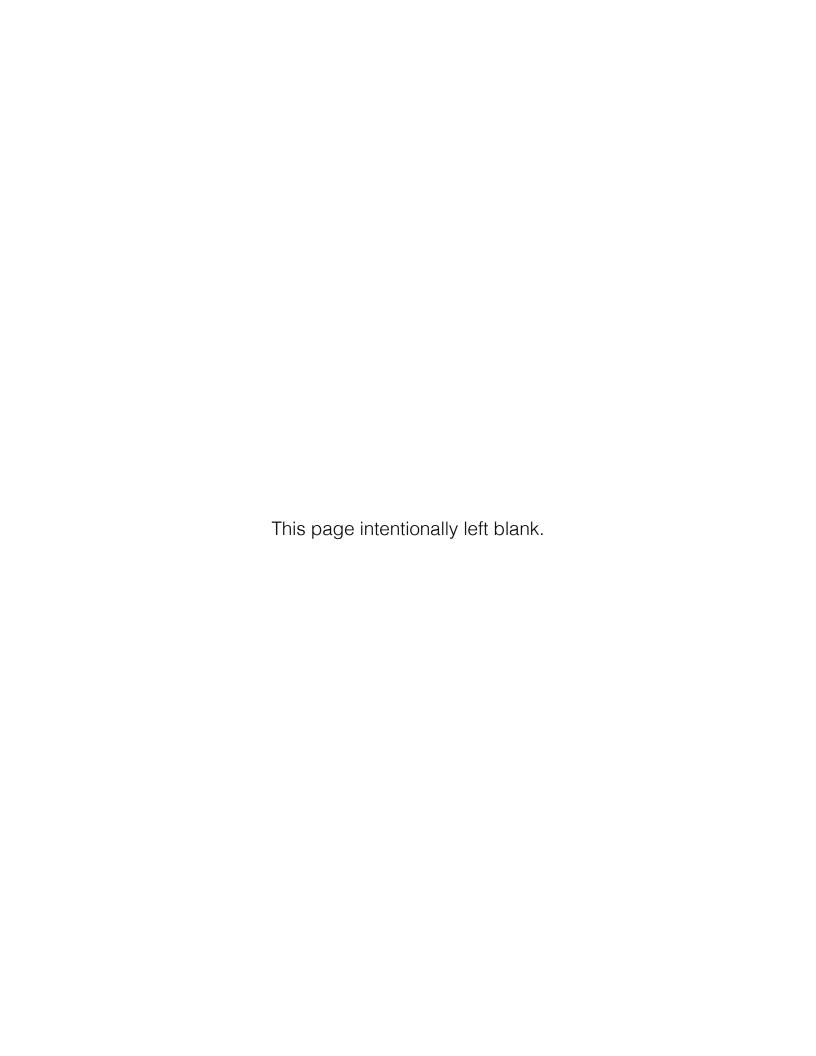




TABLE OF CONTENTS

TABLE OF CONTENTS	1
INTRODUCTION	3
INTENDED USE	3
SAFETY GUIDELINES	4
ROTATING DRIVELINES	5
PERSONAL SAFETY	6
WORK AREA	7
TOOL USE AND CARE	8
TECHNICAL SPECIFICATIONS	9
i. OVERALL DIMENSIONS—OPERATING STATE	10
ii. OVERALL DIMENSIONS—STORED STATE	11
iii. 3-POINT HITCH DIMENSIONS	12
COMPONENT LISTS	13
TO-SCALE HARDWARE	14
BOLTS & SCREWS	14
NUTS	15
WASHERS	16
ASSEMBLY	17
1. TOOLS REQUIRED	17
2. UNPACKING	18
A. UNBOXING THE CRATE	18
B. REMOVING THE SKID	19
3. INFEED CHUTE	20
A. TOP PANEL	20
B. SIDE PANELS AND BOTTOM PANEL	21
C. ROUND EDGE BAR	22
D. CONTROL ARM	24
E. CONTROL ARM LINKAGE	25
4. DISCHARGE CHUTE	27
TRIMMING THE PTO SHAFT	29
ADJUSTING THE BASE HEIGHT (IF REQUIRED)	32
OPERATION	35



PRE-START UP CHECKLIST	35
2. START UP	36
3. INFEED ROLLER CONTROL	37
4. DISCHARGE CHUTE	38
5. CHIPPING	39
6. STOPPING	39
6. CHAINSAW HOLDER	40
MAINTENANCE	41
REPLACING BLADES	41
BLADE SHARPENING	43
SETTING THE BED PLATE GAP	44
ADJUSTING THE DRIVE BELTS' TENSION	46
REPLACING THE DRIVE BELTS	48
ADJUSTING THE RED CONTROL ARM	50
GREASING BEARINGS AND PTO SHAFT	51
STORAGE	53
TROUBLESHOOTING	
REPLACEMENT PARTS ORDERING	55
EXPLODED ASSEMBLY VIEWS	56
COMPLETE ASSEMBLY	
BASE	57
LOWER FLYWHEEL HOUSING [FRONT]	58
LOWER FLYWHEEL HOUSING [REAR]	59
FLYWHEEL	60
INFEED CHUTE	61
DISCHARGE CHUTE	62
HYDRAULIC LINES	63
CONTROL VALVES	
PTO SHAFT	
PARTS LIST	
NOTES	71



INTRODUCTION

Congratulations on your purchase and welcome to Woodland Mills! This manual gives you the necessary information about your machine so you will be able to use it properly. The entire manual must be read and understood before you start using the machine. If any questions should arise that are not covered by this manual, please contact Woodland Mills Inc.

OWNER'S RECORD
Please take a moment to record the following information about your wood chipper. If you need to call for assistance, please be ready to provide your model and serial numbers. This information will allow us to help you more quickly when you call.
MODEL NUMBER
SERIAL NUMBER
DATE OF PURCHASE

This machine is designed for certain applications only. We strongly recommend that this machine is not modified and/or used for any application other than that for which it was designed. If you have any questions relative to a particular application, DO NOT use the machine until you have first contacted us to determine if it can or should be performed on the product.

For technical questions and replacement parts, please contact Woodland Mills Inc.

INTENDED USE

Woodland Mills wood chippers are designed for acreage owners to aid in chipping natural, untreated wood only. Materials that are processed may contain chemicals or by-products that could corrode the machine or damage it, resulting in safety concerns.



SAFETY GUIDELINES

SAVE THESE INSTRUCTIONS

- Do not operate this machine until this manual has been read and fully understood; serious injury or severe machine damage could occur if these safety warnings are ignored.
- Never allow more than one person to operate this machine at one time. If two people are
 working together it will increase the chance of your workmate engaging the machine or
 causing you to fall into the machine.
- If your hand is ever near the chipping or feeding area, serious injury could occur.
- Never place your hands or feet on or near the machine while it is engaged.
- Never place your hands or feet on or near the material while it is feeding.
- DO NOT wear loose clothing, jewelry, or anything that can catch a branch that is feeding into the wood chipper.
- DO NOT stand directly in front of the infeed chute when loading material into the hopper; always load from the side of the hopper. This will help prevent any part of your body from being pulled into the machine.
- Always wear safety hearing protection, eye wear, gloves, and long pants when operating the wood chipper.
- Never place your hands beyond the opening of the hopper while the wood chipper is running.
- Never allow children, disabled, or untrained persons to operate the wood chipper.
- Do not operate the wood chipper near bystanders, public roads, or anywhere that debris may travel far enough to injure another person.
- Never move the wood chipper while it is running.
- Shut off the tractor and allow the wood chipper to come to a complete stop before removing any debris.
- Never perform any maintenance or repair while the wood chipper is running.



ROTATING DRIVELINES

STAY CLEAR OF ROTATING DRIVELINES



- Entanglement in rotating driveline can cause serious injury or death.
- Keep tractor master shield and driveline shields in place at all times. Make sure rotating shields spin freely.
- Wear close-fitting clothing.
- Shut off the engine and be sure the PTO driveline has stopped before making adjustments, connections, or cleaning out PTO-driven equipment.
- Do not install any adapter device between the tractor and the primary implement PTO drive shaft that would allow a 000 RPM tractor shaft to power a 540 RPM implement at speeds higher than 540 RPM.
- Do not install any adapter device that results in a portion of the rotating implement shaft, tractor shaft, or the adapter to be unguarded. The tractor master shield shall overlap the end of the splined shaft.



WARNING!

Read and understand all instructions. Failure to properly follow the instructions listed below may result in serious injury or death.



WARNING!

The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions or situations that could occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product but must be supplied by the operator.



PERSONAL SAFETY

- Stay alert, watch what you are doing and use common sense when operating a power tool.
 Do not use a power tool when you are tired or under the influence of drugs, alcohol, or
 medication. A moment of inattention while operating power tools may result in serious
 personal injury.
- **Dress properly.** Do not wear loose clothing, dangling objects, or jewelry. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts. Air vents often cover moving parts and should be avoided.
- Use safety apparel and equipment. Use safety goggles or safety glasses with side shields that comply with current national standards, or when needed, a face shield. Use a dust mask in dusty work conditions. This applies to all persons in the work area. Also use non-skid safety shoes, a hardhat, gloves, dust collection systems, and hearing protection when appropriate.
- **Do not over reach.** Keep proper footing and balance at all times.
- Remove adjusting keys or wrenches before connecting to the power supply or turning on the tool. A wrench or key that is left attached to a rotating part of the tool may result in personal injury.
- Never remove or install blades, conduct any maintenance, or make any other adjustments while the tractor engine is running. Always shut the engine off, remove the ignition key, and disconnect the PTO shaft prior to carrying out any of the aforementioned procedures. Consult your tractor's manual for safe shutdown procedures to prevent accidental ignition.



WORK AREA

- **Keep work area clean**, free of clutter and well lit. Cluttered and dark work areas can cause accidents.
- Do not use your wood chipper where there is a risk of causing a fire or an explosion; e.g. in the presence of flammable liquids, gasses, or dust. Power tools create sparks which may ignite the dust or fumes.
- **Keep children and bystanders** away while operating a power tool. Distractions can cause you to lose control, therefore, visitors should remain a safe distance from the work area.
- Be aware of all power lines, electrical circuits, water pipes and other mechanical hazards in your work area, particularly those hazards below the work surface hidden from the operator's view that may be unintentionally contacted and cause personal harm or property damage.
- Be aware of your surroundings. Using power tools in confined work areas may put you dangerously close to cutting tools and rotating parts.



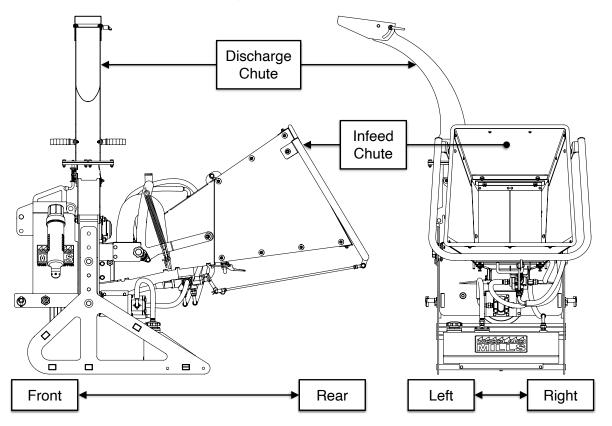
TOOL USE AND CARE

- Always be sure the operator is familiar with proper safety precautions and operation techniques before using machine.
- **Do not force the tool.** Tools do a better and safer job when used in the manner for which they are designed.
- Turn off the tractor engine and disconnect the PTO shaft before servicing, adjusting, installing accessories or attachments, or storing. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Storing the wood chipper. When the wood chipper is not in use, store it in a dry, secure place or keep it well covered and out of reach of children. Inspect the wood chipper for good working condition prior to storage and before re-use.
- Maintain your wood chipper. It is recommended that the general condition of the wood chipper be examined before it is used. Keep your wood chipper in good repair by adopting a program of conscientious repair and maintenance in accordance with the recommended procedures found in this manual. If abnormal vibration or noise occurs, turn the wood chipper off immediately and have the problem corrected before further use.
- **Keep blades sharp and clean.** Properly maintained wood chipper blades are less likely to bind and make feeding-in brush easier.
- Cleaning and Lubrication. Use only soap and a damp cloth to clean your wood chipper. Many household cleaners are harmful to plastic and rubber components on the wood chipper.
- **Use only accessories that are recommended** by the manufacturer for your model. Suitable accessories for another wood chipper may create an injury risk when used on this wood chipper.
- Always operate the machine with all safety devices and guards in place and in working order.
 DO NOT modify or make changes to safety devices.
 DO NOT operate the machine if any safety devices or guards are missing or inoperative.
- Never leave wood chipper running unattended.
- Never use the equipment to chip brush with trunks exceeding 8" (203 mm) in diameter or for any purpose other than chipping brush as described in this manual.



TECHNICAL SPECIFICATIONS

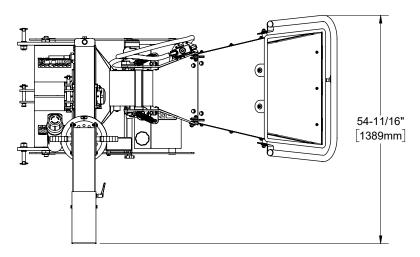
Component	WC88 Specification
Drive System	РТО
Transport	3-Point Hitch
Minimum HP Required (at PTO)	35 hp
In-Feed System	Hydraulic
Hydraulic Oil	ISO 32 (ISO 46 for warmer climates)
Hydraulic Tank Volume	5 gal [19 L]
Hydraulic Requirement (Tractor)	None. Self contained.
PTO Shear Bolt	M8 X 50 mm Hex Bolt - Class 8.8 (Grade 5)
Blade Quantity and Dimensions	Four (4); 4.45 X 2.72 X 5/16 in [113 X 69 X 8 mm]
Blade Hardware	M10 X 40 mm Flat Head, M10 Lock Nuts - Class 10.9
Infeed Roller Diameter	8 in [203 mm] at Tooth Tip
Infeed Chute Dimensions (H X W)	28-3/16 X 27 in [716 X 686 mm]
Product Weight	900 lb [408 kg]
Product Shipping Weight	1054 lb [478 kg]

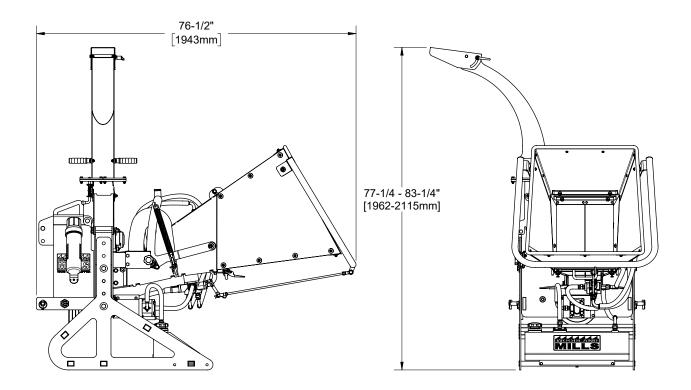




i. OVERALL DIMENSIONS—OPERATING STATE

Because the base offers up to 6 in [153 mm] of total vertical adjustment in 3 in [76.5 mm] increments, the overall height can vary by this amount as well.

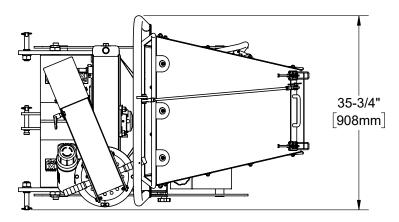


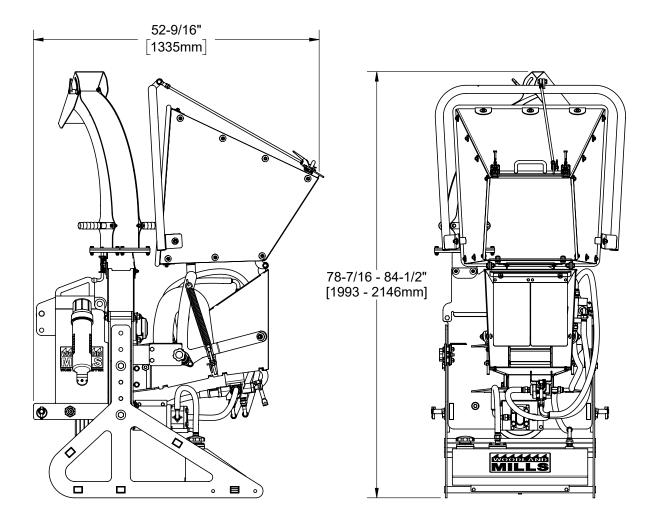




ii. OVERALL DIMENSIONS—STORED STATE

The discharge chute deflector must be pointing down in order to clear the control arm on the infeed chute when it is flipped upward for storage. See section, *Storage*, for more information.

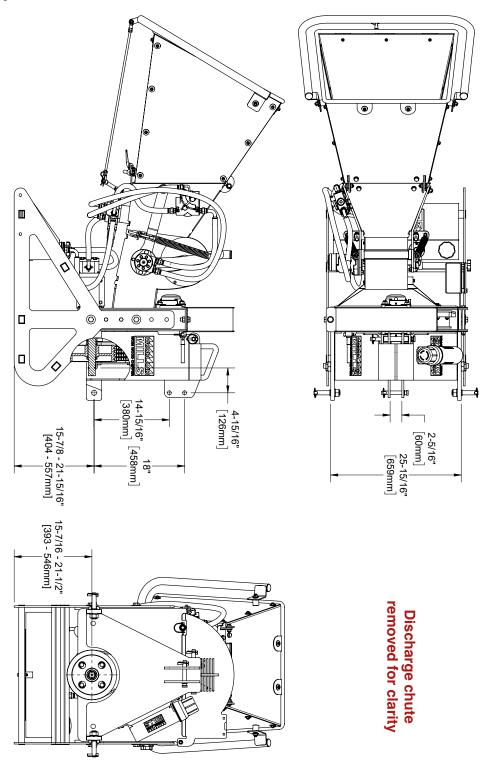






iii. 3-POINT HITCH DIMENSIONS

The wood chipper 3-point hitch is a *Category 1* system design to work with tractors in the horsepower range of 35-100+ hp. Top link pin is $\frac{3}{4}$ " [19 mm] diameter and the lift arm pins are $\frac{7}{8}$ " [22 mm] diameter.





COMPONENT LISTS

Verify all component and hardware quantities are correct prior to assembling the wood chipper.

2x	Lower Hitch Pin [0001576]	
2x	Linch Pin [0004705]	
1x	Infeed Chute Top Panel Assembly	
1x	Infeed Chute Side Panel (Right) [0006607]	
1x	Infeed Chute Side Panel (Left) [0006605]	
1x	Infeed Chute Bottom Panel Assembly	
1x	Round Edge Bar [0006895]	
1x	Control Arm [0006896]	
2x	Control Arm Spacer [0006898]	
1x	Linkage Rod Assembly	

1x	Clevis Pin 10 mm [0004749]	00
1x	Hairpin Cotter Pin [0004760]	
1x	Discharge Chute Nozzle [0006465]	
1x	Discharge Chute Assembly	
2x	Discharge Chute Retainer [0002191]	
2x	Discharge Chute Handle with Grip	
1x	PTO Shaft [0001761]	



TO-SCALE HARDWARE

BOLTS & SCREWS

Hardware graphics are printed at 1:1 scale for ease of identification. Simply place the hardware over the image in the tables to verify it is the correct size.

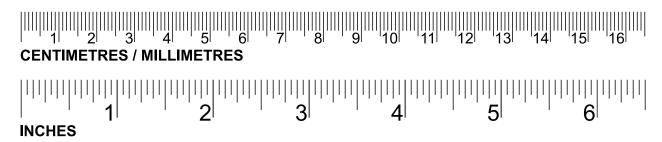
4x	HHB-MBJ080FCJ	M8 X 1.25 X 25 mm HEX BOLT
6x	HHB-MBJ090FCJ	M8 X 1.25 X 35 mm HEX BOLT
1x	HHB-MBM090FCJ	M10 X 1.5 X 35 mm HEX BOLT
4x	SNC-MBJ080FCJ	M8 X 1.25 X 25 mm CARRIAGE HEAD BOLT
19x	BHS-MBJ073FCM	M8 X 1.25 X 18 mm BUTTON HEAD SCREW
2x	BHS-MBM115PCM	M10 X 1.5 X 60 mm BUTTON HEAD SCREW



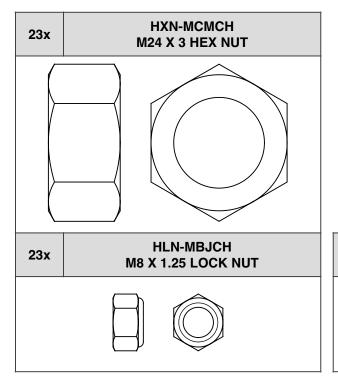
2x	HHS-MBM057069AJ	M10 X 1.5 X 20 mm HEX HEAD SHOULDER SCREW

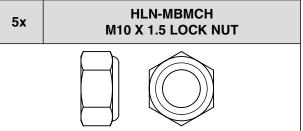
SCALES

Ruler scales are also provided below to double-check bolt and screw lengths when necessary.



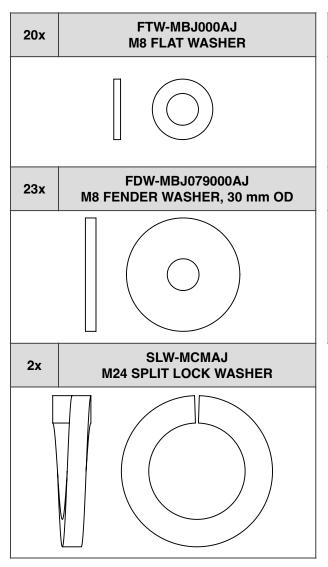
NUTS

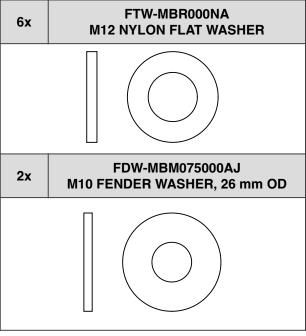






WASHERS







ASSEMBLY

1. TOOLS REQUIRED

Tool	Specification	
Wrench/Socket	13 mm (2X)	
Wrench/Socket	16 mm (2X)	
Wrench/Socket	17 mm	
Wrench/Socket	24 mm or Adjustable Wrench	
Wrench	27 mm or Adjustable Wrench	
Hex Key	Set of Metric Hex Keys (e.g. 2-10 mm)	
Hacksaw*	Any metal-cutting saw (Sawzall, etc.)	

^{*} Only if PTO shaft requires trimming. See *Trimming the PTO Shaft* section for more detail.

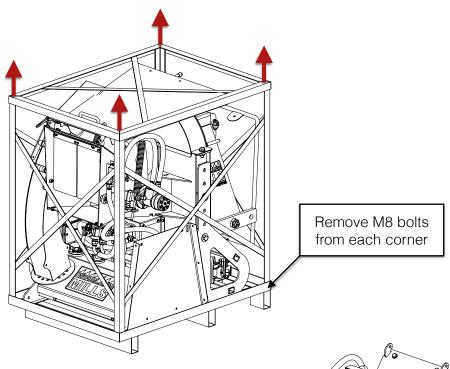




2. UNPACKING

A. UNBOXING THE CRATE

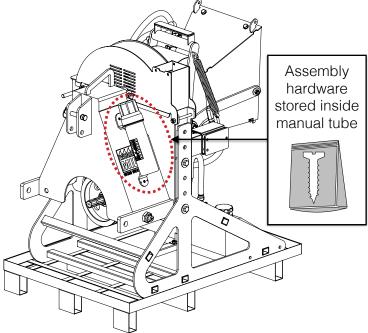
Unpack the contents of the crate by first cutting the nylon strapping and then remove the cardboard top and sides. Remove the four (4) M8 hex bolts and nuts located at each bottom corner of the crate and then lift it off the skid. Discard the crate.



Remove all the loose components from the skid (infeed chute panels, control arm, edge bar, control arm linkage, discharge chute, discharge chute handles, PTO shaft) and set them to the side. Leave the wood chipper on the skid.

Hardware for assembly is stored inside the manual tube.

Note that the wood chipper is shipped dry (i.e. no hydraulic fluid). See the *Technical Specifications* section for the volume and type of oil required.



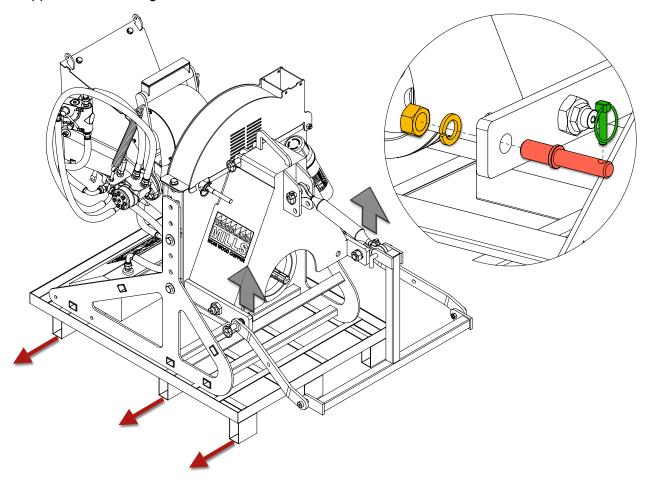


B. REMOVING THE SKID

Before the 3-point hitch system can be connected to the wood chipper, the lower hitch pins must be installed. Assemble the two (2) lower hitch pins using the components and hardware listed in the table below.

2x	M24 Hex Nut	2x	Lower Hitch Pin	
2x	M24 Split Lock Washer	2x	Linch Pin	

With the wood chipper still resting on the skid, attach the tractor's 3-point hitch and raise it up off the skid. Slide the skid out from under the wood chipper and discard it. Carefully set the wood chipper down on the ground.



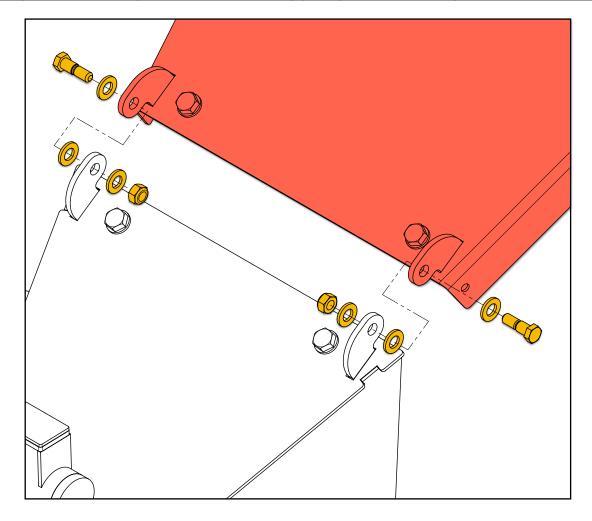


3. INFEED CHUTE

A. TOP PANEL

The wood chipper infeed chute consists of four (4) metal panels that are bolted together. The first step is bolting the top panel to the lower flywheel housing that forms the hinge. Using the hardware listed in the table below, assemble the hinge connection. Note that the infeed chute top panel and hinge bracket come pre-assembled.

2x	M10 X 15 X 20 mm Shoulder Bolt	6x	M12 Nylon Flat Washer	
2x	M10 Lock Nut	1x	Infeed Chute Top Panel	0



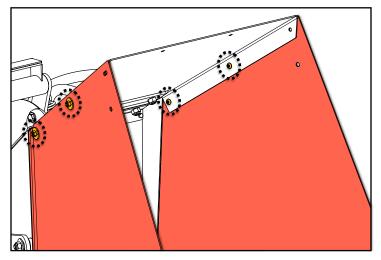


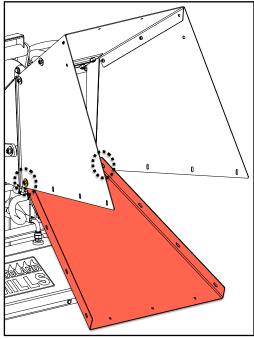
B. SIDE PANELS AND BOTTOM PANEL

With the top panel bolted to the hinge, assemble each side panel to the sides of the top panel using the M8 X 18 mm button head screws, M8 lock nuts, and M8 fender washers. Use a hex key for the screws and a socket/wrench for the lock nuts.

6x	M8 X 18 mm Button Head Screw	1x	Infeed Chute Side Panel [Right]	
6x	M8 Lock Nut	1x	Infeed Chute Side Panel [Left]	<u></u>
6x	M8 X 30 mm Fender Washer	1x	Infeed Chute Bottom Panel	

Install two (2) screws per side along the top edge leaving the last holes empty. Do not fully tighten the screws. Be sure to assemble the screws with the heads on the inside of the chute pointing outwards. Next, install the bottom panel using only the first two (2) bolts as shown below (right). This will allow it to swing up to join the side panels in the coming steps. Note that the infeed chute bottom panel and latches come pre-assembled.







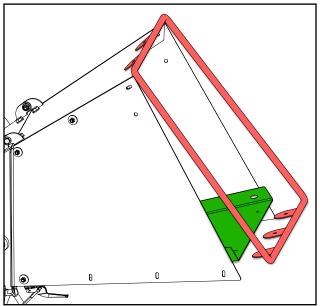
C. ROUND EDGE BAR

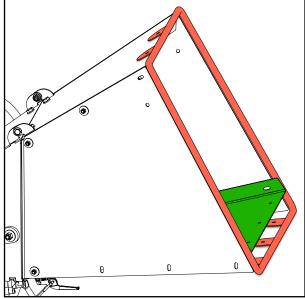
Assemble the round edge bar to the infeed chute using the hardware listed below.

13x	M8 X 18 mm Button Head Screw	13x	M8 X 30 mm Fender Washer	
13x	M8 Lock Nut	1x	Round Edge Bar	

The round edge bar is designed to add additional strength to the infeed panels as well as act as a rounded edge, eliminating branches from getting caught on the edge of the infeed panels.

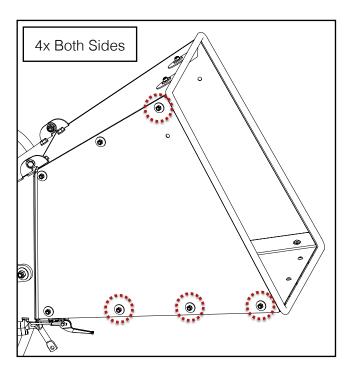
To install the edge bar, swing the bottom panel up as shown below and fit the tabs over the outside of the panels. There are two tabs on the side of the round edge bar which will be bolted to the side panels in a later step.

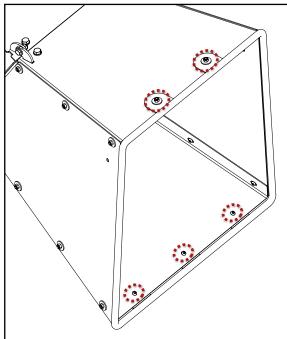






With the edge bar in place, assemble the panels to the edge bar. Use a hex key for the button head screws and a socket/wrench for the lock nuts. Install the remaining thirteen (13) M8 X 18 mm button head screws, M8 lock nuts, and M8 X 30 mm fender washers as shown below to secure the panels and edge bar in place. Do not fully tighten the screws.





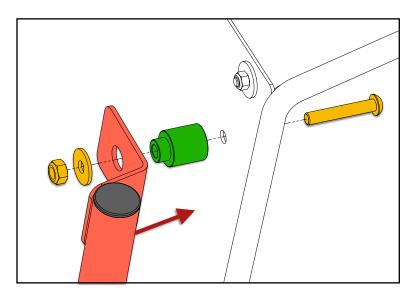


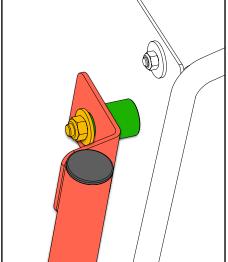
D. CONTROL ARM

The large red infeed control arm is attached using the hardware below.

2x	M10 X 35 mm Button Head Screw	2x	Control Arm Spacer	
2x	M10 Lock Nut	1x	Control Arm	
2x	M10 X 26 mm Fender Washer			

The screw passes through the green chute panel, the control arm spacer, and finally through the red control arm tab as shown below.





Note that the distance between the unassembled red infeed control arm mounting tabs can be significantly wider than the infeed chute. This is normal and the arm will flex when compressed. Assemble one side of the control arm first (but do not fully tighten it), then pull the other end in and secure that side.

With all of the infeed panel, edge bar, and control arm screws now loosely assembled, tighten all screws securely.

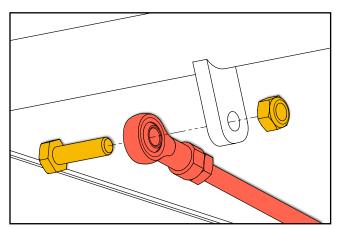


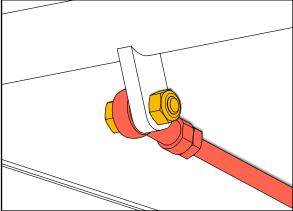
E. CONTROL ARM LINKAGE

With the control arm fastened to the infeed chute, the linkage assembly can now be connected between it and the hydraulic directional control valve.

1x	M10 X 35 mm Hex Bolt	1x	Control Arm Linkage Assembly	
1x	M10 Lock Nut	1x	10 mm Clevis Pin	00
		1x	Hairpin Cotter Pin	

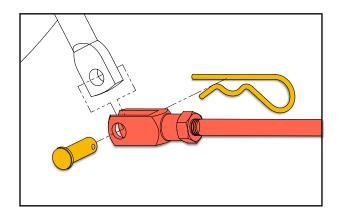
Fasten the rod end bearing to the red control arm with the M10 X 35 mm hex bolt and M10 lock nut as shown below.

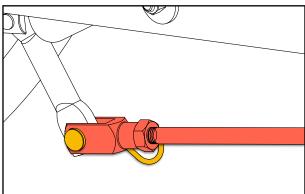




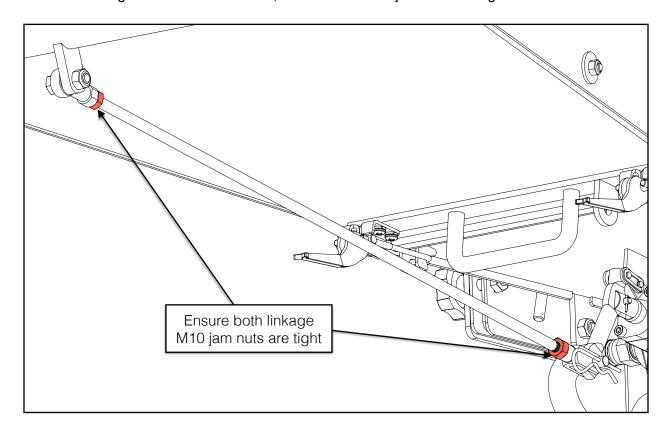


On the opposite end of the linkage, secure the linkage to the hydraulic directional control valve actuator using the clevis pin and hairpin cotter pin.





Once the linkage has been assembled, ensure both M10 jam nuts are tight.



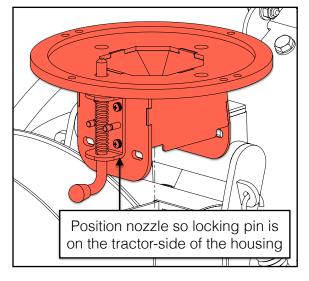


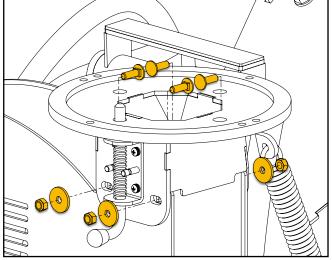
4. DISCHARGE CHUTE

The discharge chute comes partially assembled. With the components and hardware listed below, assemble the discharge chute to the upper flywheel housing.

4x	M8 X 25 mm Carriage Bolt	4x	M8 X 30 mm Fender Washer	
6x	M8 X 35 mm Hex Head Bolt	1x	Nozzle	
4x	M8 X 25 mm Hex Head Bolt	1x	Discharge Chute Assembly	
14x	M8 Lock Nut	2x	Retainer	
20x	M8 Flat Washer	2x	Handle with Grip	

Slide the nozzle over the upper flywheel housing. Secure it to the housing using the four (4) M8 X 25 mm carriage bolts, M8 fender washers, and M8 lock nuts. The carriage bolts are assembled from inside the housing, pointing outward. Fully tighten all the hardware.



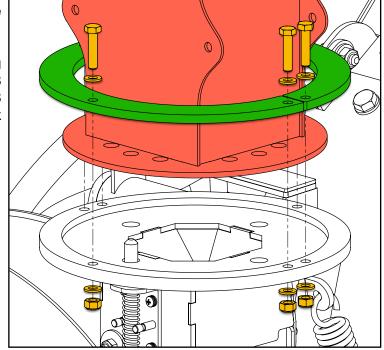




Set the discharge chute into the recess in the top of the nozzle.

Secure the chute to the nozzle using the two (2) retainers with six (6) M8 X 35 mm hex bolts, twelve (12) M8 flat washers, and six (6) M8 lock nuts.

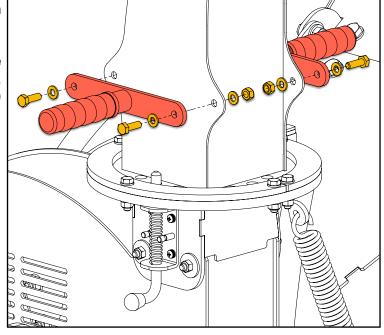
Fully tighten all the hardware.



Assemble the handles—one on each side of the discharge chute.

Secure each handle to the chute using two M8 X 25 mm hex bolts, four (4) M8 flat washers, and two (2) M8 lock nuts.

Fully tighten all the hardware.





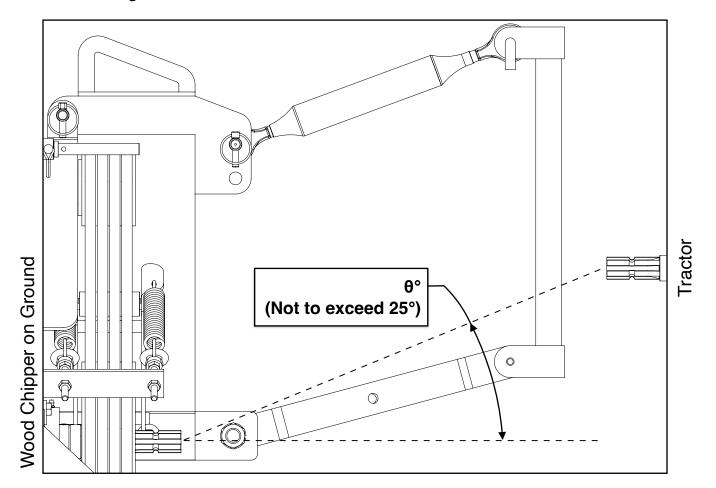
TRIMMING THE PTO SHAFT

The wood chipper is shipped with a PTO shaft that can be fitted to most Category 1 tractors. The PTO shaft may need to be trimmed depending on your tractor and configuration. Follow the steps below to ensure the PTO shaft is correctly fitted to your tractor.

Note: the shear bolt end of the PTO shaft mounts to the wood chipper.

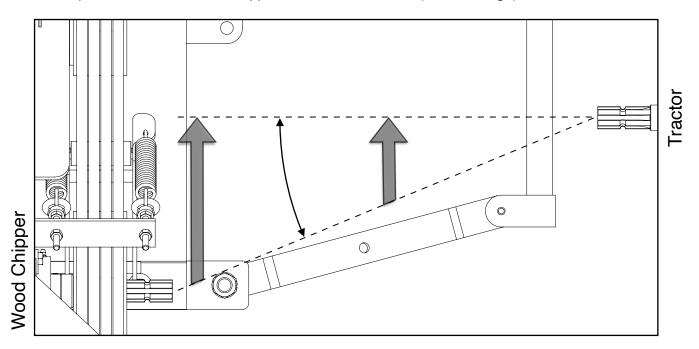
- 1. Attach the wood chipper to the tractor's 3-point hitch system. Do not install the PTO shaft.
- 2. With the wood chipper resting on flat ground, note the angle (θ) between the two shafts as shown in the graphic below. If this angle exceeds 25°, stop, and proceed to the sub-section, Adjusting the Base Height (Page 27), to raise the height of the chipper. Continue on to Step 3 on the next page after raising the base height.

If angle θ is 25° or less, proceed to *Step 3* on the next page and ignore the *Adjusting the Base Height* sub-section.

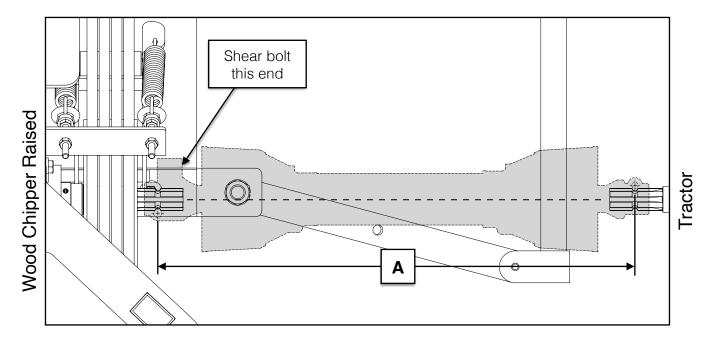




3. Use the 3-point hitch system to raise the wood chipper (shown below) so that the tractor output shaft and the wood chipper driveshaft are in-line (bottom image).

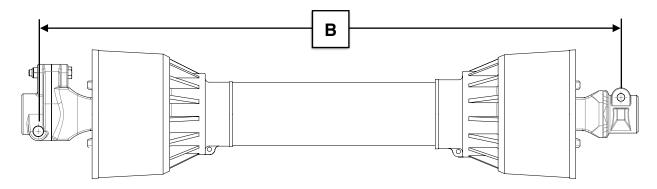


4. Measure the straight-line distance between the locking grooves on the splined shafts of the tractor and wood chipper (**Dim A** below).





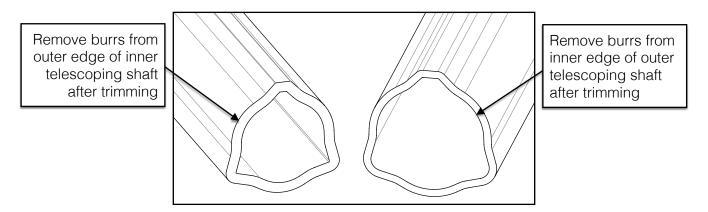
5. Verify the distance between the locking pins on the PTO shaft while in the compressed state (**Dim B**) as shown in the image below. It should measure 29-7/16 in [747 mm].



- 6. If **Dim A** is at least 1 in [25 mm] longer than **Dim B**, the PTO shaft <u>does not</u> require trimming. It is recommended the shaft not be used if there is less than 6 in [150 mm] of overlap between the two halves of the PTO shaft when the equipment is in the operating position.
- 7. If **Dim B** is longer than **Dim A**, the PTO shaft will require trimming. Use this equation to calculate the correct amount to trim:

$$(B - A) + 1$$
 inch = C (Amount to Trim)

- 8. Once **C** has been calculated, trim that amount from **BOTH** halves of the PTO shaft safety cover *first*, then trim the same amount from both shafts. This will ensure the safety cover on each end remains a few inches back from the ends of the shafts, otherwise PTO shaft reassembly could be difficult.
- 9. After trimming both halves of the PTO shaft, use a file to remove any burrs or sharp edges and slide the halves back together, ensuring they telescope in-and-out freely. The PTO shaft is now ready to connect the wood chipper to the tractor for operation.





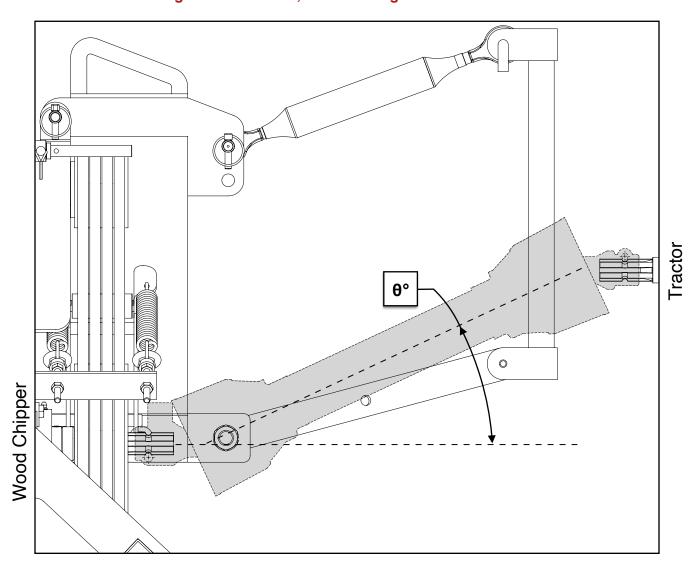
ADJUSTING THE BASE HEIGHT (IF REQUIRED)

If the wood chipper will be driven by a large tractor, the base can be adjusted to raise the wood chipper an additional 3-6 in [76-152 mm] to allow for better PTO shaft alignment. When the angle (θ) between the tractor output shaft and wood chipper driveshaft exceeds 25° , the base height needs to be increased or the PTO shaft could be damaged.

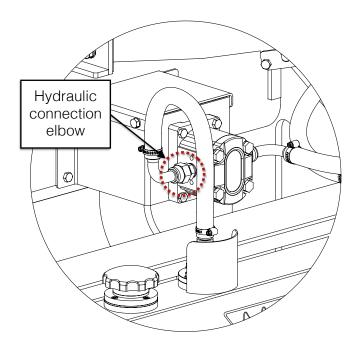
Follow the instructions on the next page to adjust the base height.

If angle θ is 25° or less, ignore the *Adjusting the Base Height* section.

If angle θ exceeds 25°, the base height must be increased.







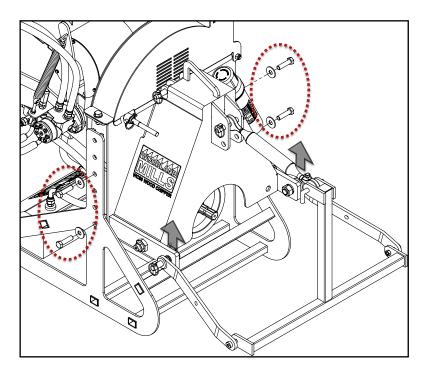
With the 3-point hitch system connected to the wood chipper, leave the chipper resting on the ground.

Loosen the hydraulic connection elbow at the pump inlet first. This will allow the fitting to rotate downward as the housing is raised.

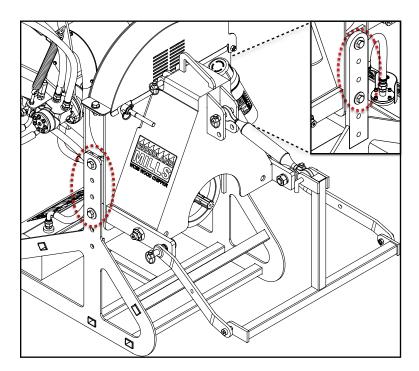
There are six (6) mounting holes on each side of the base. The spacing between each hole is 3 in [76 mm], with a maximum adjustment of 6 in [152 mm], as there must always be two (2) empty holes between both bolts. Depending on how steep the measured angle (θ) is between the shafts, the base may only require 3 in [76 mm] of adjustment which would move the chipper housing up one (1) hole.

Remove the four (4) M16 X 60 mm bolts and M16 X 45 mm fender washers from the base. Note that there are M16 lock nuts on the bottom bolts but not the top bolts—those bolts are secured into threaded holes in the housing.

Using the 3-point hitch system, carefully raise the housing from the base. The spacing between each hole in the base is 3 in (76 mm), so either raise the housing up one hole (3 in) or two holes (6 in) depending on the steepness of the angle (θ) measured between the shafts.

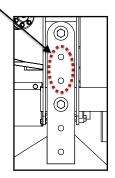




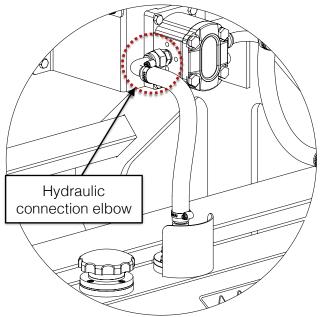


Reattach the base to the housing using the four (4) M16 X 60 mm hex bolts and M16 X 45 mm fender washers. Secure the bottom two (2) bolts with the M16 lock nuts.

Remember to space the bolts so there are two (2) empty holes between them.



As the housing was raised, the loosened hydraulic connection elbow should have rotated downward from its original asshipped position. If not, wiggle the hose and it should rotate down. Retighten the connection after the base height has been set.



Continue to *Step 3* (Page 25) in the previous section, *Trimming to PTO Shaft*, once the base height has been raised.



OPERATION

1. PRE-START UP CHECKLIST

i. Fill the hydraulic tank with hydraulic oil per the table below:

Model	Сар	Hydroulio Oil	
Model	Gallons (gal)	Litres (L)	Hydraulic Oil
WC46	4.5	17	
WC68	5	18.9	ISO 32, ISO 46, AW 32, AW 46
₩C88	5	18.9	7.00 52,700 10

ii. Attach the wood chipper to your tractor and take the appropriate measurements to trim the PTO shaft. Refer to the "*TRIMMING THE PTO SHAFT*" section of the operator's manual for detailed instructions.

Note: Failure to do so may result in severe damage to the implement and is <u>not</u> covered under warranty.

- iii. Ensure the bed plate gap is set to within 1/16—1/8 in [1.5—3 mm] between it and the blades. Refer to "**SETTING THE BED PLATE GAP**" in the operator's manual for detailed instructions.
- iv. The wood chipper has several bearings fitted with Zerk fittings for greasing. The PTO shaft is fitted with two (2) Zerk fittings, one on each yoke. The PTO shaft and all bearings come pre-greased and do not require greasing on initial start-up. Refer to the "GREASING BEARINGS AND PTO SHAFT" section of the operator's manual for detailed maintenance instructions.



2. START UP

The following steps in the sub-section below (a. through i.) are a summarization of the steps necessary to safely and properly operate the wood chipper. Please follow the references to other sections that provide further detail into the step being performed.

- a. Place the tractor transmission in neutral, set the parking brake, then turn the tractor engine off.
- b. Connect the 3-point hitch linkages to the wood chipper and secure them with linch pins.
- c. Adjust the top link of the 3-point hitch so that the wood chipper sits level.
- d. Connect the PTO shaft to the tractor with the shear bolt end of the PTO on the wood chipper. Make sure the PTO safety chains are attached to both the tractor and the wood chipper to keep the protective PTO safety cover from rotating.
- e. Rotate the discharge chute towards a safe direction and lock it in place with the spring-loaded latch and indexing holes. Adjust the chip deflector to the desired position based on how far they should be thrown.
- f. Push the red control arm all the way in until it stops, then pull it out one click to ensure the infeed roller is in the neutral position.
- g. Start the tractor engine and hold the engine RPM's at a strong idle. Engage the PTO slowly. If the tractor is running at a high speed when the PTO is engaged, you could damage the drive belts or break the shear bolt on the PTO shaft. After the rotor is spinning freely increase the tractor RPM's until the PTO speed is 540 RPM. Most tractor tachometers commonly indicate this with a line and/or text.
- h. Pull the red control arm all the way out until it stops (forward position). This will start the infeed roller rotating. Set the infeed roller control to the desired speed.
- i. With the wood chipper now running and the infeed roller rotating, it is safe to begin chipping. Start by feeding smaller diameter branches until better acquainted with the machine and its operation. Once comfortable, begin feeding in larger pieces. Adjust the infeed roller control as necessary to regulate the infeed rate of the branches.



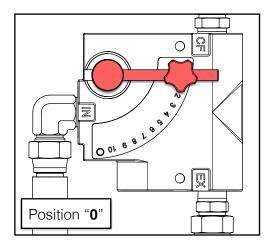
WARNING!

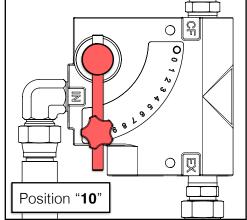
To avoid serious injury or death, do not chip brush containing embedded foreign objects such as nails, wire, metal fragments, etc. The operator and any assistants must always stay clear of the infeed chute of the wood chipper whenever it is running.



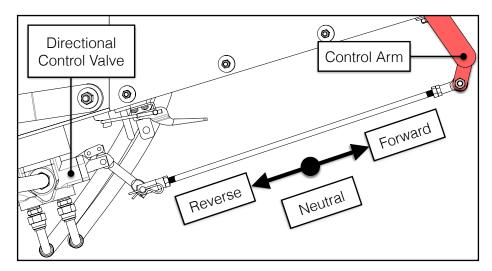
3. INFEED ROLLER CONTROL

The wood chipper infeed roller speed control valve is located to the right of the infeed chute. Rotating the arm as shown in the pictures below will increase or decrease the speed of the infeed roller. The number "0" (left image) represents no infeed roller rotation while "10" (right image) represents full speed. Effective working range is from 0-4. It is normally not necessary to move the arm past "4."





The infeed roller can be set to three (3) different rotation settings—forward, neutral and reverse—by pushing or pulling the red control arm. The forward position pulls branches into the wood chipper; neutral stops the roller from rotating; and reverse pushes the branches back out the wood chipper towards the operator. The diagram below illustrates the 3 positions:



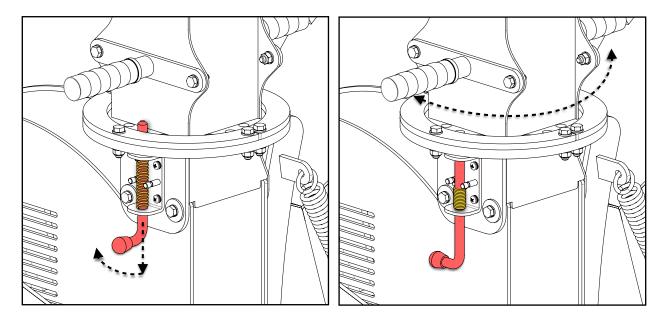
To change the speed of the infeed roller, place the red control arm in the *neutral* position. This stops the infeed roller from rotating. The speed control valve can now be moved to the desired position/speed. Reengage the infeed roller via the control arm.

See maintenance section, <u>ADJUSTING THE RED CONTROL ARM</u>, if the control arm feels too loose or stiff, or if it falls into neutral or reverse unexpectedly.

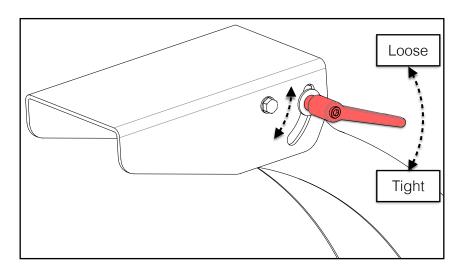


4. DISCHARGE CHUTE

To rotate the discharge chute, push down all the way on the spring-loaded locking pin and twist it 90° to temporarily lock it in the open position. The discharge chute is now free to rotate a full 360°. Using the handles, rotate it to the desired position and then twist the locking pin back 90° so that it extends into the closest locking hole to secure the chute in position.



The chip deflector easily adjusts to regulate the distance the chips are thrown. Rotate the handle counterclockwise to loosen the deflector, adjust the deflector to the desired angle, then re-tighten the handle by rotating it clockwise to secure the deflector.





5. CHIPPING

Keep your face and body away from the feed opening. Do not over reach. Keep proper balance and footing at all times. The wood chipper is designed to chip a variety of materials into a more readily decomposing or handled condition. The following guidelines can be used to help you get started. Please read and follow all safety instructions in this manual. Failure to operate the wood chipper in accordance with the safety instructions **MAY RESULT IN PERSONAL INJURY!**

- Ensure the wood chipper is at full operating speed before starting to chip material.
- Select limbs up to 8" (203 mm) in diameter. Trim side branches that cannot be bent enough to feed into the wood chipper infeed chute. Hold small diameter branches in a bundle and feed simultaneously.
- Feed brush from the side of the infeed chute rather than from the front. Step aside to avoid being hit by brush moving into the wood chipper.
- Never lean into the infeed chute or extend any parts of your body inside the infer chute to push objects further into the wood chipper. Use another stick or branch.
- Do not use hand tools to push brush into the wood chipper. They can go through the wood chipper and cause injury or damage to the wood chipper.
- Place branches, butt end first, into the wood chipper infeed chute until it contacts the infeed roller. Once the infeed roller makes contact with the branches, it will pull the material inwards.
- **NOTE**: The wood chipper blades dull with use and require periodic sharpening and sometimes replacing. Refer to the section under service and maintenance, "Sharpening Wood Chipper Blades," for further instructions.

6. STOPPING

Do not leave the wood chipper unattended or attempt any inspection/service unless the PTO is disengaged and the tractor engine is turned off. Allow time for the wood chipper to come to a complete stop. To stop the wood chipper, follow the steps below:

- 1. Move the tractor throttle to the SLOW/IDLE position.
- 2. Disengage the PTO lever and turn off the tractor engine.
- 3. Allow time for the wood chipper to come to a complete stop.

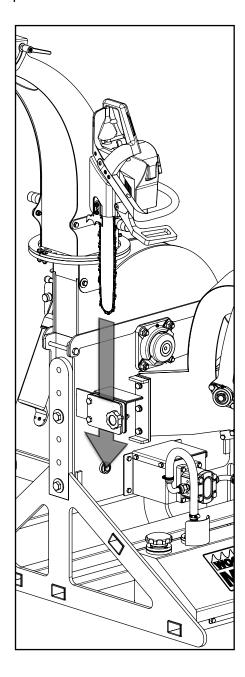
NOTE: The flywheel continues to spin for some time after the engine or tractor has been turned off. The flywheel has stopped spinning when noise and/or machine vibration are no longer detectable. The PTO shaft will also no longer be spinning.

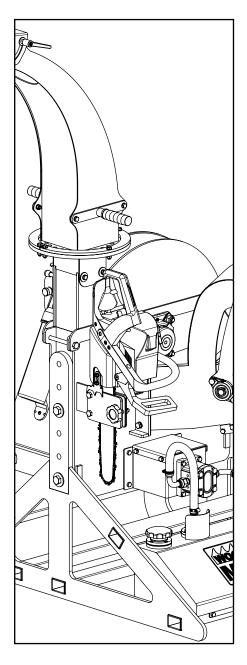


6. CHAINSAW HOLDER

On the rear side of the flywheel housing there is a holder to conveniently secure a chainsaw while transporting the wood chipper or to store it out of the way while chipping brush.

Loosen the knob, slide the chainsaw down between the rubber pads, and retighten the knob to secure it in place.



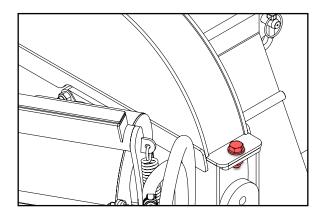




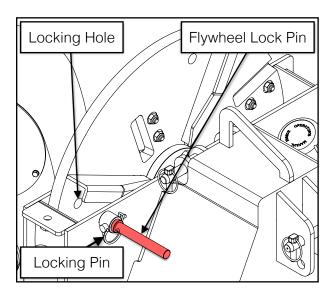
MAINTENANCE REPLACING BLADES

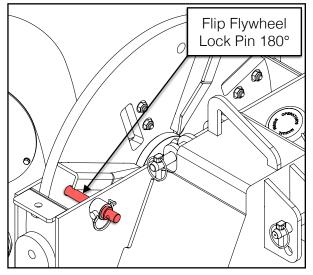
Follow these steps when replacing blades. The WC88 wood chipper uses four (4) reversible hardened steel blades. Each blade is 4.45 X 2.72 X 5/16" (113 X 69 X 8 mm) in size.

- 1. If installed, disconnect the PTO shaft from the tractor for safety.
- 2. Open the upper flywheel housing using a 24 mm socket/wrench by removing the M16 X 40 mm bolt and flat washer securing the upper and lower housings together.



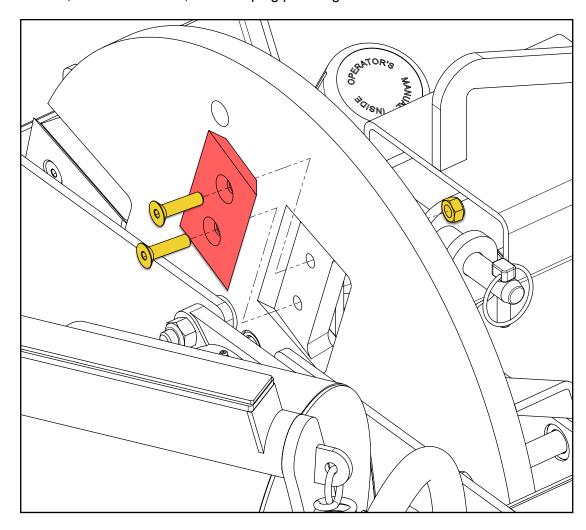
3. With the flywheel exposed, manually rotate it so that one of the four (4) locking holes in the flywheel (near the front of the blade) approximately lines up with the flywheel lock pin at the rear of the housing. Remove the small locking pin from the flywheel lock pin and flip the flywheel lock pin around 180°, passing it through the housing and into the locking hole in the flywheel. Reinstall the smaller locking pin to the flywheel lock pin.







4. Remove the two (2) M10 X 40 mm flat head bolts and M10 lock nuts that fasten the blade to the flywheel using a 6 mm hex key on the bolts and a 17 mm socket/wrench on the lock nuts. Take care not to drop the hardware into the lower flywheel housing. However, should this occur, a telescoping pen magnet can be used to retrieve them.



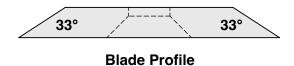
- 5. Repeat Steps 3 & 4 above to remove the remaining three blades. If this is the first time the blades have been removed following either the original wood chipper purchase or a recent blade sharpening, the blades can be reversed to utilize the other cutting edge. Or, the entire blade can be removed and sharpened or it can be replaced with a new blade. Torque the M10 X 40 mm flat head bolts to 40-45 ft•lb (54-60 N•m) when installing blades. Always replace the M10 lock nuts with a new set when changing or reversing blades. Refer to section, *Blade Sharpening* for blade sharpening instructions
- 6. Once the blades have been reversed or new blades installed, proceed to section, **Setting the Bed Plate Gap**, to properly set the spacing between the blades and bed plate.



BLADE SHARPENING

The wood chipper blades will dull, making chipping difficult and cause your tractor to labour. It is recommended to sharpen the blades every 25-50 hours of operation. The WC88 wood chipper uses four (4) hardened steel blades. The blades are reversible and can be sharpened on both sides. Follow the below steps to sharpen the blades.

- 1. Follow the steps from the previous section, *Replacing Blades*, to safely remove the blades from the flywheel.
- 2. Hand-grind the angled edges of the blade at 33° (see diagram below) using a whetstone or have them sharpened by a professional. A pedestal style bench grinder will likely yield poor results if not used properly. If sharpened quickly or aggressively on a bench grinder, the blade edge can get too hot and change colour, thus removing the heat treating-properties from the steel. Use short grinding times and cool frequently with water. Remove an equal and consistent amount of material from each blade to maintain proper balance when reassembled to the flywheel.

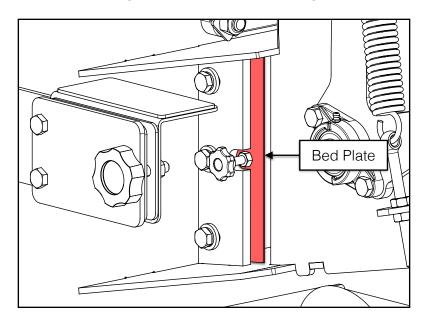


- Reinstall the sharpened blades on the flywheel and torque the M10 X 35 mm flat head bolts to 40-45 ft•lb (54-60 N•m). Always replace the lock nuts with new hardware when changing or reversing the blades.
- Once the blades have been sharpened, proceed to the next section, <u>Setting the Bed Plate Gap</u>, to properly set the spacing between the newly sharpened blades and the bed plate.

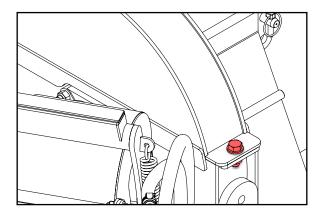


SETTING THE BED PLATE GAP

The bed plate (also known as the *anvil plate*) is located on the left side of the flywheel housing (when facing the infeed chute). For ideal chipping performance, the gap between the bed plate and the blades should be set to 1/16-1/8" (1.5-3 mm). Follow the steps below to set the gap properly. Failure to set the proper gap can lead to poor chipping performance and/or clogging.

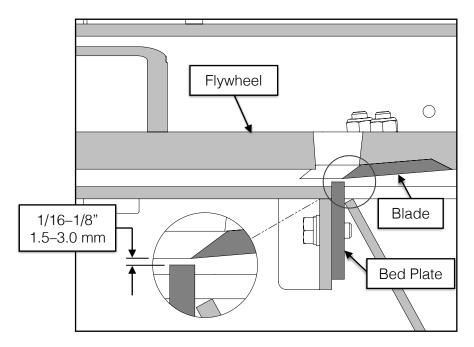


- 1. If installed, disconnect the PTO shaft from the tractor for safety.
- 2. Open the upper flywheel housing using a 24 mm socket/wrench by removing the M16 X 40 mm bolt and flat washer securing the upper and lower housings together.

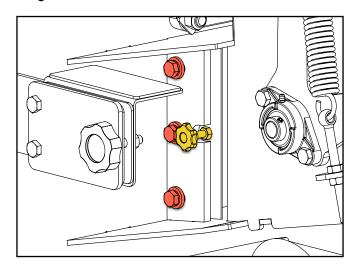


3. With the flywheel exposed, manually rotate it so that the first blade lines up with the bed plate and note the gap between them. Use a flash light for better viewing if necessary. Repeat this process for the remaining three blades, noting which blade is closest. Use this blade to set the bed plate gap.





4. Use a socket/wrench to loosen the three (3) M10 X 25 mm hex bolts securing the bed plate to the lower flywheel housing so the bed plate is free to slide in and out. This movement will increase or decrease the gap between the bed plate and the cutting edge of the blade. Slide the bed plate by gripping the knob and adjust its position so that it is within 1/16-1/8" (1.5-3.0 mm) of the cutting edge of the blade. Ensure the gap is uniform along the entire edge of the blade.



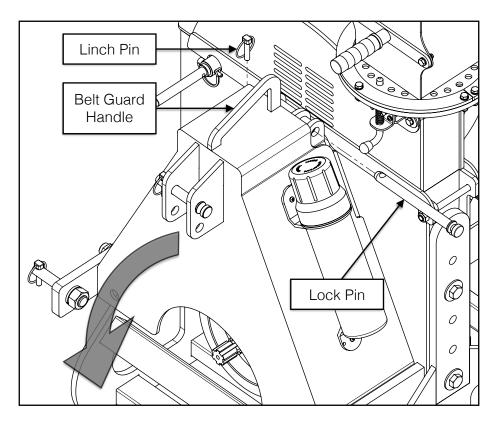
- 5. Torque the three (3) M10 X 25 mm bed plate hex bolts to 40 ft•lb (54 N•m) once the gap has been set correctly.
- 6. Rotate the flywheel by hand and note the gap at each blade. Again, the gap should be no more or less than 1/16-1/8" (1.5-3.0 mm) at each blade edge.
- 7. Close the upper flywheel housing and secure it to the lower housing by reinstalling the M16 X 40 mm bolt and flat washer.



ADJUSTING THE DRIVE BELTS' TENSION

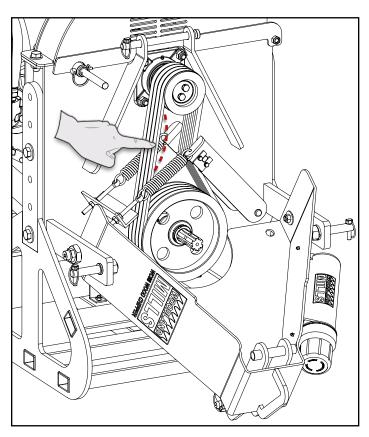
Check the condition and tension of the drive belts after every 30 hours of operation. The belts are self-tensioning via two (2) extension springs. The amount of tension can be adjusted by following these steps:

- 1. If installed, disconnect the PTO shaft from the wood chipper for safety and to allow rotation of the belts and pulleys.
- 2. Remove the belt guard lock pin by first removing the linch pin and then sliding the lock pin out. Firmly grasp the handle on the top of the belt guard and rotate it downward. Warning: the belt guard is heavy.



- 3. Check the tension on the belts by pressing on them with your finger (see "*Checking Belt Tension*" below). There should not be any free slack in the belts. They should be under firm tension and not deflect more than ¼" (6 mm).
- 4. If the belts require more tension, the eyebolts connected to the spring can be adjusted by moving the M8 hex nuts (see "*Adjusting Belt Tension*" below). This will stretch the springs and increase the belt tension until the proper tension is achieved.
- 5. The belt guard can now be rotated back upwards and the lock pin reinstalled; secured with the linch pin.





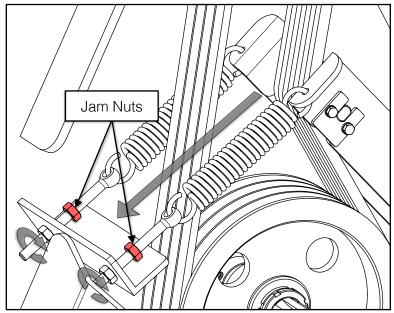
Checking Belt Tension

The belts should not deflect more than ¼" (6 mm) when firm pressure is applied. If the belts are too loose, adjust the tension as shown in "Adjusting Belt Tension" shown below.

Adjusting Belt Tension

To increase the tension on the belts, first loosen the jam nuts on both of the eyebolts by rotating them clockwise until they are clear of the support bracket. Then rotate the bottom nuts clockwise, making sure each eyebolt nut is turned an equal amount so that the tension arm belt roller doesn't become skewed.

Once sufficient tension has been imparted to the belts, retighten the jam nuts securely to the support bracket.

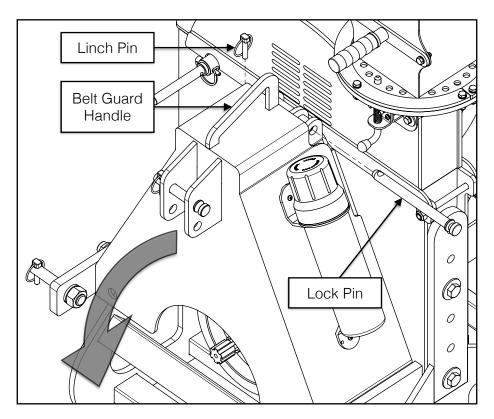




REPLACING THE DRIVE BELTS

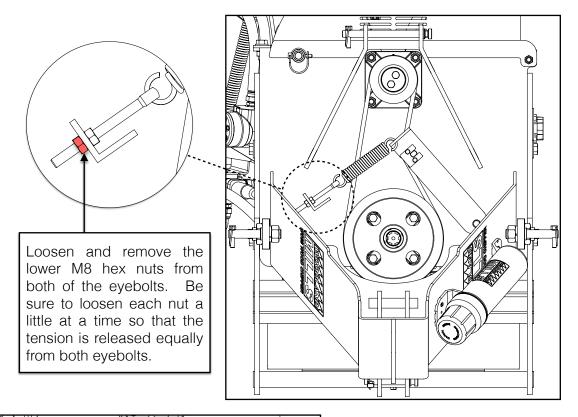
Check the condition and tension of the drive belts after every 30 hours of operation. If the infeed roller is not rotating, or it is rotating slowly, the belt could be slipping. A squealing noise may also be heard. In either case, these conditions can occur due to worn belts or improper belt tension (see the previous section, *Adjusting the Drive Belts' Tension*). To replace worn belts, follow the steps below:

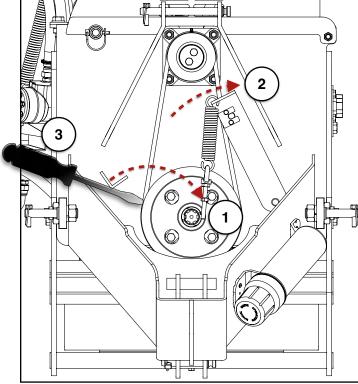
- 1. If installed, disconnect the PTO shaft from the wood chipper for safety.
- Remove the belt guard lock pin by first removing the linch pin and then sliding the lock pin out. Firmly grasp the handle on the top of the belt guard and rotate it downward. Warning: the belt guard is heavy.



- 3. Using a 13 mm wrench, loosen the lower M8 hex nuts that secure the eyebolts to the support bracket until sufficient tension has been removed from the springs so the eyebolts can be completely removed from the support bracket. The belt tensioner arm can now be swung up out of the way allowing for removal of the belts from the pulleys.
- 4. Install the new belt around the pulleys first and then reinstall the spring. Re-tension the spring by tightening the lower M8 hex nut on the eyebolt. Refer to the previous section, *Adjusting the Drive Belts' Tension*, for instructions on how to properly re-tension the belts.







With the eyebolts disconnected from the bracket, let them hang loose from the springs while still attached to the tension arm¹.

With tension removed from the springs, the tension arm can be swung up out of the way².

Use a pry bar or screwdriver to remove the old belts from the pulleys and install new BX53 belts³.

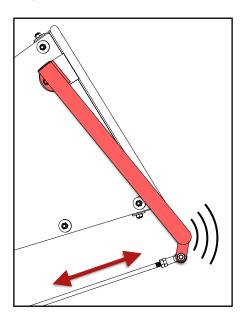
Reassemble the eyebolts to the bracket using the M8 hex nuts and retension the springs. Follow the steps in the *previous section* to ensure the correct tension is applied to the belts.

Rotate the belt guard up and secure it with the belt guard lock pin and linch pin.

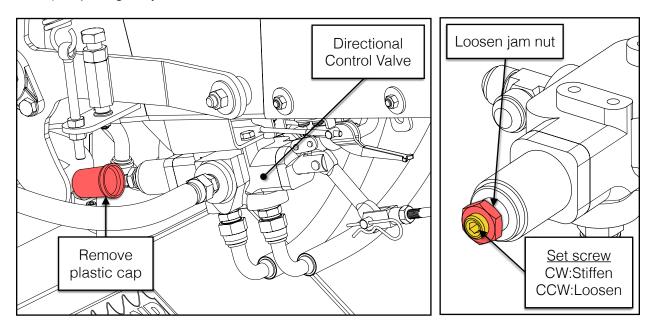


ADJUSTING THE RED CONTROL ARM

If the movement of the red control arm feels too stiff or too loose, or if it falls into neutral or reverse unexpectedly, it can be adjusted via the directional control valve.



Unscrew the plastic cap from the back of the directional control valve (located under the infeed chute), exposing the jam nut and set screw.



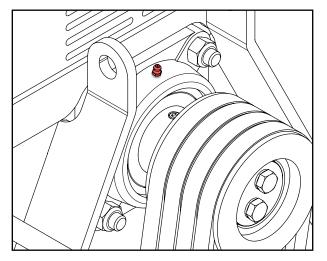
Loosen the jam nut with a 22 mm [$\frac{7}{8}$ in] wrench. Use a 6 mm hex key and turn the set screw *clockwise (CW) to stiffen* the movement of the arm, *counter-clockwise (CCW) to loosen* it. Tighten the jam nut and replace the cap after the control arm movement feels satisfactory.

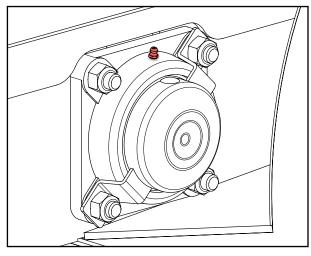


GREASING BEARINGS AND PTO SHAFT

The wood chipper has eight (8) Zerk fitting grease points: two (2) flywheel shaft bearings, two (2) pump shaft bearings, one (1) infeed roller bearing, and three (3) on the PTO shaft. Check each grease point prior to use and add grease as needed.

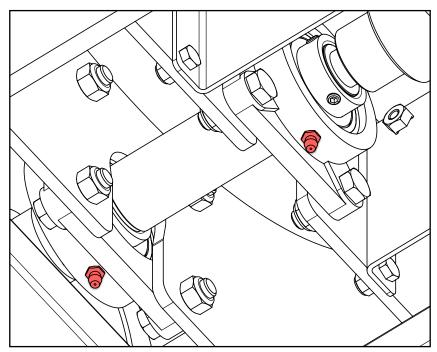
Warning: These grease points come pre-greased. <u>Do not add grease to these points on a new wood chipper</u>. Over-greasing can damage the bearing seals.





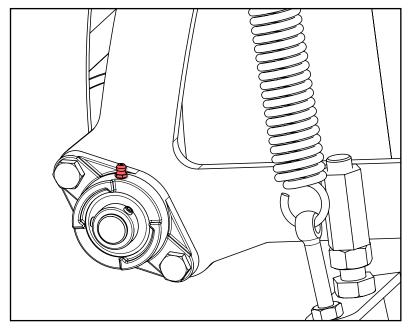
Front Flywheel Shaft Bearing

Rear Flywheel Shaft Bearing

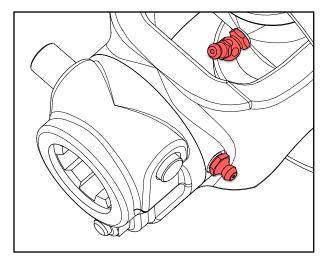


Front and Rear Pump Shaft Bearings (Underside of flywheel housing)

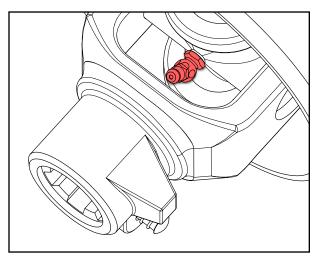




Infeed Roller Bearing



PTO Shaft U-Joint 1



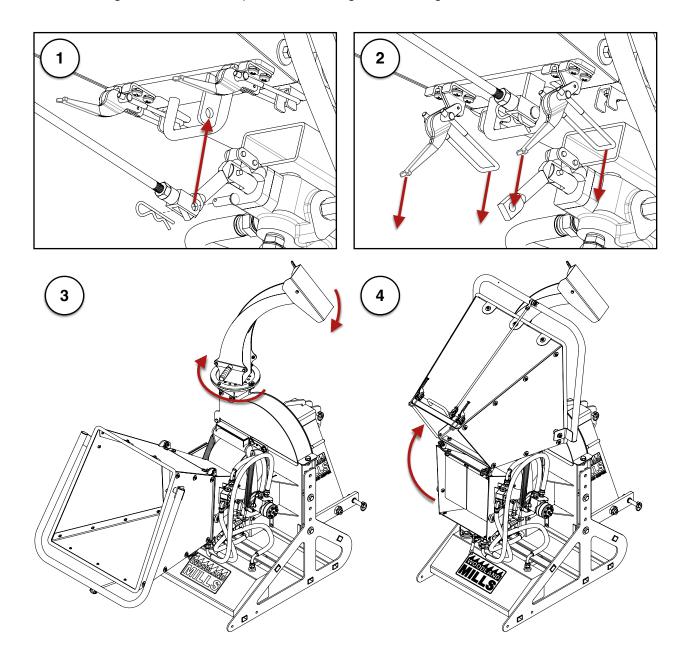
PTO Shaft U-Joint 2



STORAGE

When the wood chipper is not in use, it can be stored to utilize a smaller footprint to save space. Follow these steps to put the wood chipper in its storage state:

- 1. Disconnect the control bar linkage from the directional control valve and reconnect it to the tab on the underside of the infeed chute bottom panel.
- 2. Disengage the two (2) latches on the underside of the infeed chute bottom panel.
- 3. Rotate the discharge chute so that it points to the right and then rotate the deflector until it points down.
- 4. Swing the infeed chute up until it is resting on the swingarm.





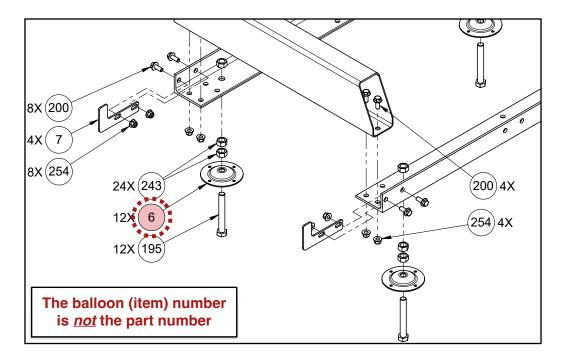
TROUBLESHOOTING

Problem/Issue	Possible Causes	Resolution Options
Brush is feeding too slowly	 Infeed roller control set too low. PTO RPM below 540. Blades are dull. Improper bed plate gap. 	 Increase infeed roller control to a higher value. Refer to page 33. Adjust tractor RPMs to 540 at output. Reverse, sharpen, or replace blades. Refer to page 37 & page 39. Re-set bed plate gap. Refer to page 40.
Brush exiting discharge chute is stringy	Blades are dull. Brush is excessively sappy.	 Reverse, sharpen, or replace blades. Refer to page 37 & page 39. Clean blades and bed plate.
Excessive clogging	 Blades are dull. Improper bed plate gap. PTO RPM below 540. 	 Reverse, sharpen, or replace blades. Refer to page 37 & page 39. Re-set bed plate gap. Refer to page 40. Clean blades and bed plate. Adjust tractor RPMs to 540 at output.
Drive belts slipping or squeaking	Belt tension not set properly. Belts are old/worn.	 Adjust belts' tension. Refer to page 42. Replace belts. Refer to page 44.
Excessive noise coming from flywheel bearings	Bearings not sufficiently lubricated. Bearings are worn.	 Grease bearings. Refer to page 47. Replace bearings. Please contact Woodland Mills for bearing replacement instructions.
Red control arm falls into neutral or reverse	Directional control valve not adjusted properly.	Adjust directional control valve set screw. Refer to page 46.



REPLACEMENT PARTS ORDERING

When ordering replacement parts, first locate the balloon number(s) from the appropriate **exploded assembly view** as shown in the example below:



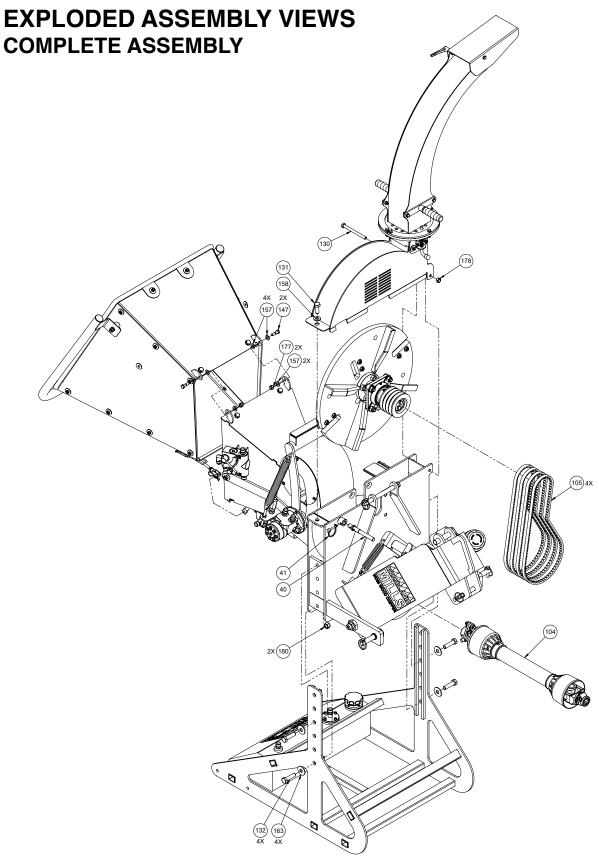
Next, turn to the *Parts List* section and locate the balloon number in the "Item" column:

PARTS LIST					
	Qua	ntity			
Item	14 hp	9.5 hp	Part No.	Description	
\Box	4	4	0001073	TRACK RAIL, 58.5 mm TALL	
2	2	2	0001075	LOG BUNK, END	
- \$	2	2	0001080	LOG BUNK, MID	
4	1	1	0001084	LOG BUNK, CENTER	
+	2	2	0001072	REINFORCEMENT PLATE, 90 X 200 mm	
6	12	12	0001071	LEVELLING FOOT BASE	
7	4	4	0001055	CARRIAGE STOP	
8	1	1	0001062	LOG CLAMP SHAFT AND BRACKET WELDMENT	

Record the part number (e.g. 0001071, HHB-MBM080FCJ, etc.) in the "Part No." column.

Contact Woodland Mills through the website or via phone/email. If possible, include the invoice or sales number from the purchased product so an associated account can be located. If the account has multiple addresses on file, please indicate to which address the replacement part(s) will be shipped.

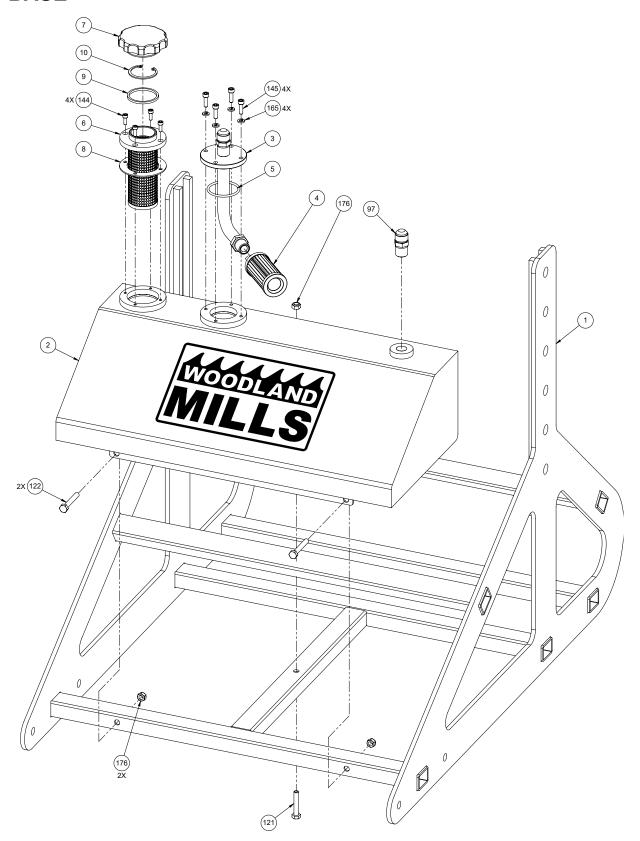




Page 56 of 72

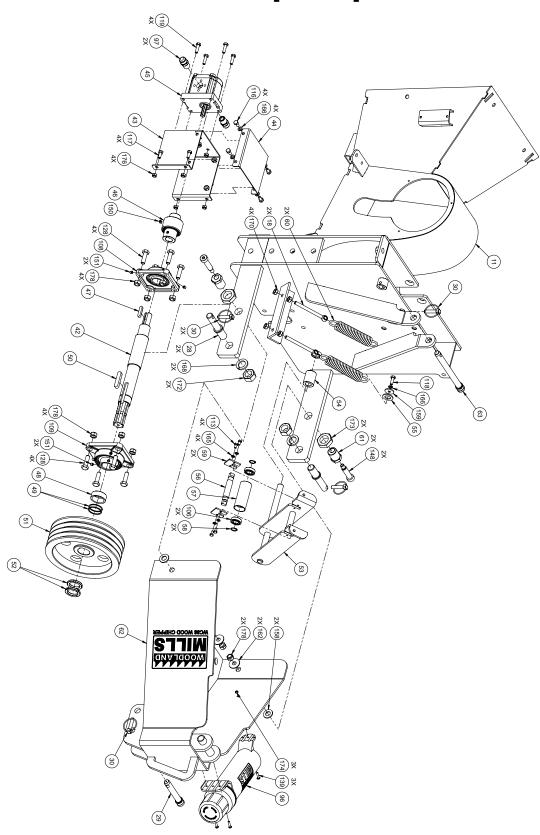


BASE



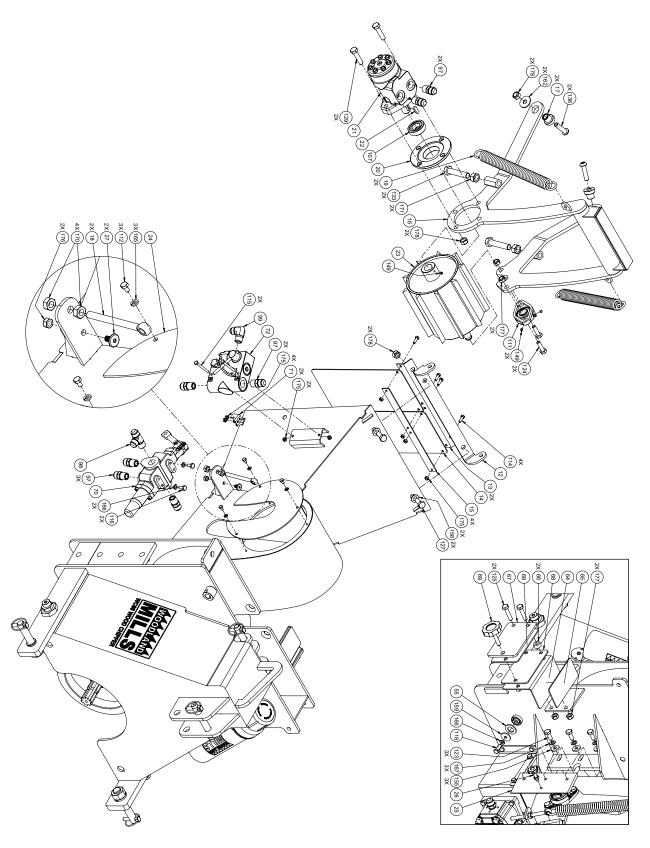


LOWER FLYWHEEL HOUSING [FRONT]

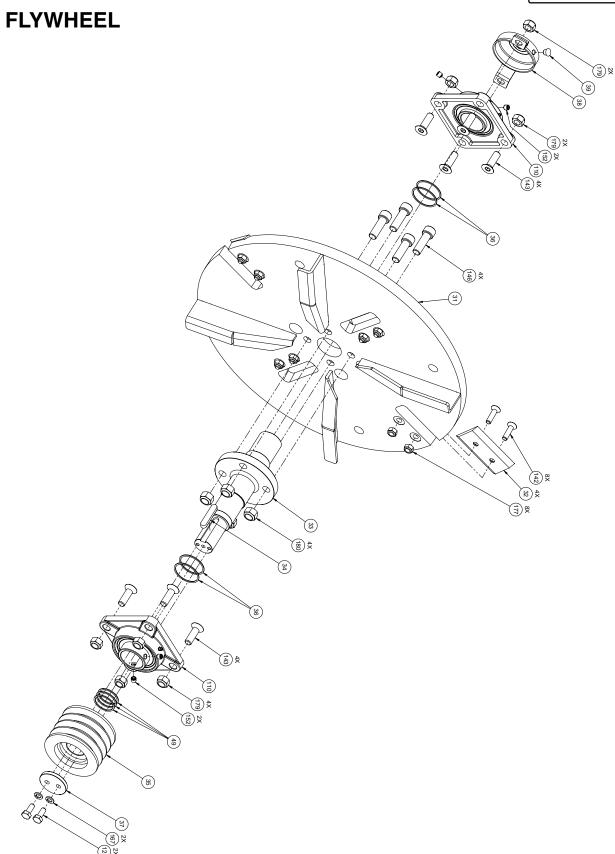




LOWER FLYWHEEL HOUSING [REAR]

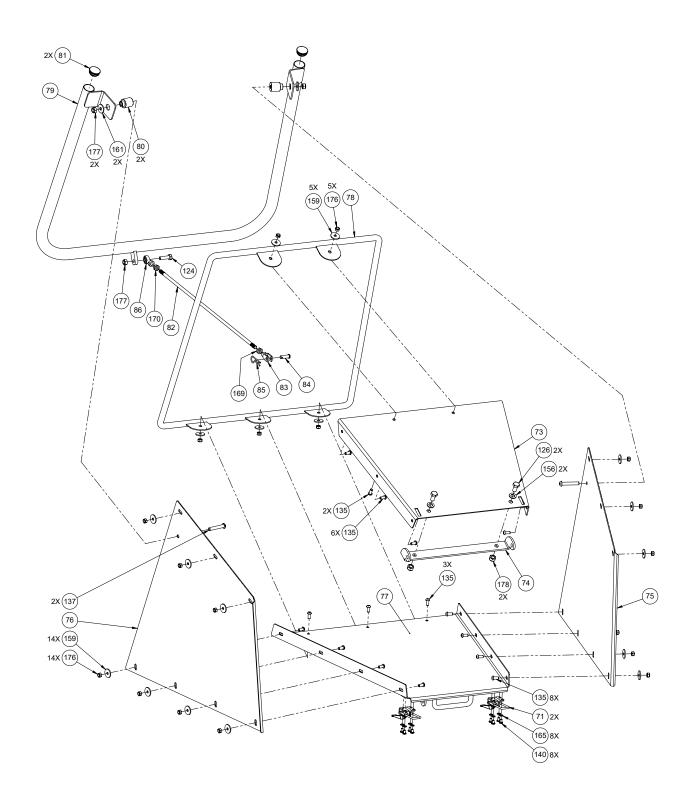




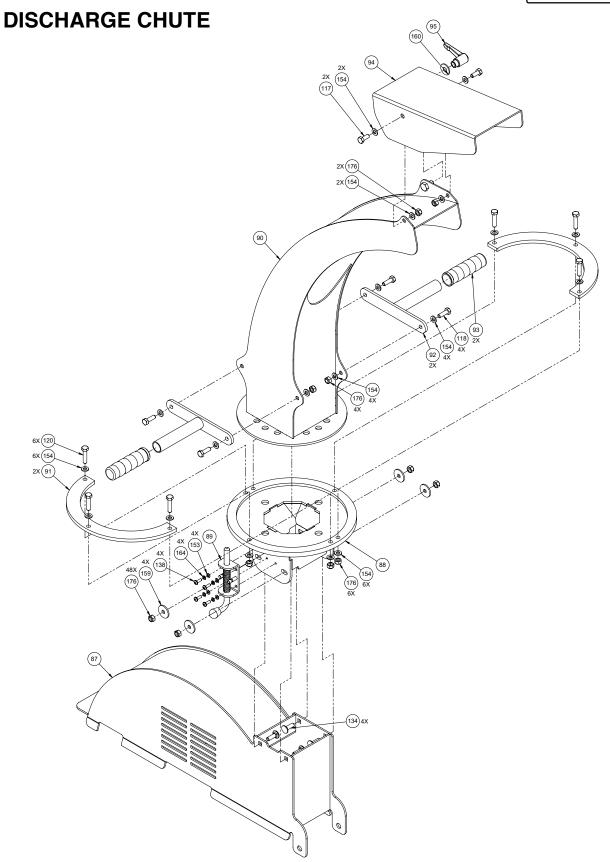




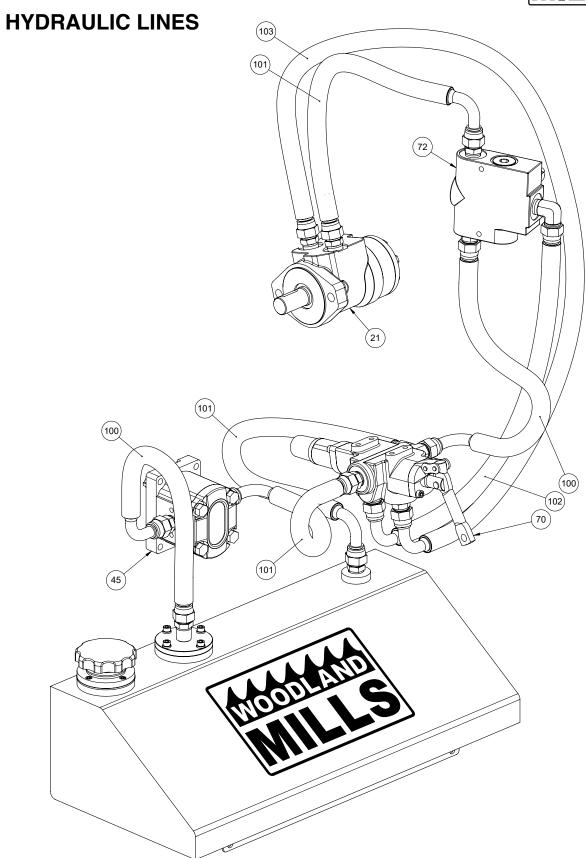
INFEED CHUTE





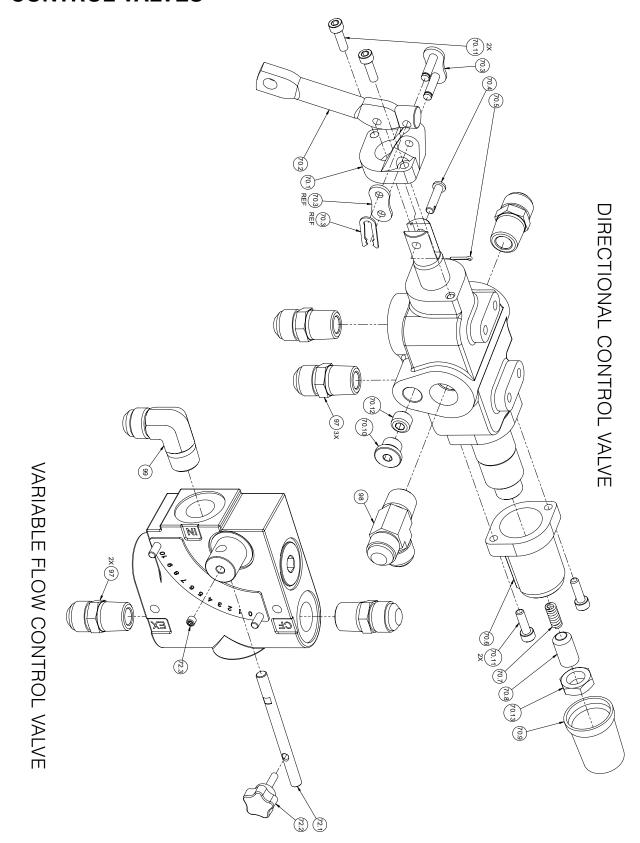








CONTROL VALVES





PTO SHAFT



Order Item 104.1 if covers are needed as clips are automatically included. Order Item 104.2 if only clips are needed.

104.3

Shear Bolt [Item 104.4] is a partially threaded M8 X 1.25 X 50 mm Class 8.8 hex bolt with an M8 X 1.25 lock nut [Item 104.5].

Shear Bolt inch equivalent: partially threaded 5/16-18 X 2 in Grade 5 hex bolt with a 5/16-18 lock nut.



PARTS LIST

	01		2		
Item	Qty	Part No.	Description		
1	1	0006623	BASE		
2	1	0001168	HYDRAULIC TANK, 20 L [5.3 gal]		
3	1	0001164	HYDRAULIC TANK INTAKE LINE		
4	1	0001752	HYDRAULIC INTAKE FILTER, 1/2 NPT		
5	1	0004841	O-RING, 50 mm ID / 57 mm OD, 3.5 mm THK		
6	1	0005188	OIL SCREEN, 50 mm DIA X 120 mm LG SCREEN		
7	1	0005183	OIL SCREEN CAP, 85 mm DIA, M48 X 2 THD		
8	1	0005187	GASKET, OIL SCREEN, 55 mm ID		
9	1	0005186	GASKET, OIL SCREEN CAP, 48 mm ID		
10	1	0005185	RETAINING RING, INTERNAL, 46 mm BORE (48.5 mm GROOVE)		
11	1	0006626	LOWER FLYWHEEL HOUSING		
12	1	0001258	INNER HINGE, INFEED CHUTE		
13	1	0006496	CURTAIN BRACKET		
14	2	0006497	CURTAIN		
15	1	0006498	CURTAIN PLATE		
16	1	0006453	SWINGARM		
17	2	0006493	SWINGARM PIVOT BUSHING, 10 mm SHOULDER		
18	4	0006059	EYEBOLT, DIN444, M10 X 1.5, 120 mm LG		
19	2	0001812	EXTENSION SPRING, HOOK ENDS, 33 mm OD, 5 mm DIA WIRE, 285 mm LG		
20	1	0001179	HYDRAULIC MOTOR ADAPTER PLATE, 6205-2RS BEARING		
21	1	0004861	HYDRAULIC MOTOR, CW, 154 cc [9.4 in3/rev], 2-HOLE 1/2 in NPT ALIGNED PORTS, 25 mm SFT		
22	1	0004846	PARALLEL KEY, 8 X 7 mm, 25 mm LG		
23	1	0006494	INFEED ROLLER		
24	1	0001201	INFEED ROLLER COVER PLATE		
25	1	0006457	BED PLATE, 198 X 92 X 9.4 mm		
26	1	0001191	KNOB, MULTI-LOBE, 32 mm OD, M8 X 1.25, 30 mm LG, M8 WLD HEX NUT		
27	2	0001733	STRIKE PLATE BOLT, 20 mm HEAD DIA, M8 X 1.25 THD		
28	2	0001576	3-POINT HITCH PIN, LOWER, M24 X 3, 21 mm DIA, 64 mm USEABLE LG		
29	1	0001156	3-POINT HITCH PIN, UPPER, 19 mm DIA, 90 mm USEABLE LG		
30	4	0004705	LINCH PIN, 10 mm DIA, 38 mm USABLE LG, 45 mm LG		
31	1	0001272	FLYWHEEL		
32	4	0001273	FLYWHEEL BLADE, 113 X 69 X 8 mm		
33	1	0001269	FLYWHEEL SHAFT		
34	1	0004852	PARALLEL KEY, 12 X 8 mm, 60 mm LG		
35	1	0001874	V-BELT PULLEY, 4-GROOVE, 40 mm SHAFT, 120 mm DIA		
36	4	0001158	SPACER, 50.6 ID X 56 OD X 1.5 mm LG		
37	1	0001270	FLYWHEEL SHAFT RETAINING PLATE		
38	1	0001184	FLYWHEEL SHAFT COVER, UCF210 BEARING		
39	1	0001795	FLYWHEEL SHAFT COVER PLUG		
40	1	0001568	FLYWHEEL LOCKING PIN		
41	1	0004728	LOCKING PIN, ROUND, 1/4 in DIA, 1-3/8 in USABLE LG, 2 in LG		
42	1	0001264	PUMP SHAFT		
43	1	0001274	PUMP SHAFT HOUSING		
44	1	0001275	PUMP SHAFT HOUSING LID		
45	1	0004868	HYDRAULIC GEAR PUMP, 10 mL/r, SPLINED SHAFT		
		1 222 1000			



Item Oly Part No. Description FLEXIBLE SHAFT COUPLING, 24 mm SHAFT TO 12 mm SPLINED SHAFT 1 0001471 FLEXIBLE SHAFT COUPLING, 24 mm SHAFT TO 12 mm SPLINED SHAFT 1 0001271 LOWER SHAFT SPACER, 40 ID X 50 OD X 18 mm LG 1 1 1 1 1 1 1 1 1				IVIILLO	
47 1 0001271 LOWER SHAFT SPACER, 40 ID X 50 OD X 18 mm LG 48 1 0001271 LOWER SHAFT SPACER, 40 ID X 50 OD X 18 mm LG 49 5 0001734 SPACER, 40 8 ID X 46 OD X 15 mm THK 50 1 0004851 PARALLEL KEY, 12 X 10 mm, 80 mm LG 51 1 0001875 V-BELT PULLEY, 4-GROOVE, 40 mm SHAFT, 250 mm DIA 52 2 0000680 SLOTTEOL DIV, 4-GROOVE, 40 mm SHAFT, 250 mm DIA 53 1 0001265 BELT TENSIONER ARM 54 1 0003552 BELT TENSIONER ARM 55 1 0001266 ROLLER, SAD DIA, 30 mm LG, POM 56 1 0001267 ROLLER, SHAFT, 19 mm DIA, 63.6 mm LG 57 1 0001267 ROLLER, SHAFT, 19 mm DIA, 96 mm LG 58 2 0004788 RETAINING RING, SIX STANL, 17 mm SHAFT (16.2 mm GROOVE) 59 2 0001288 SINGLE ROLLER SHAFT LOCKING PLATE 60 2 0001873 EXTENSION SPRING, HOOK ENDS, 33 mm DD, 5 mm DD, 4 mm THRU, 3 mm ECCENTRICITY 62 1 0001268	Item	Qty	Part No.		
48	46	1	0001571	FLEXIBLE SHAFT COUPLING, 24 mm SHAFT TO 12 mm SPLINED SHAFT	
SPACER, 40.6 ID X 46 OD X 1.5 mm THK	47	1	0004848	PARALLEL KEY, 8 X 8 mm, 40 mm LG	
50	48	1	0001271	LOWER SHAFT SPACER, 40 ID X 50 OD X 18 mm LG	
51	49	5	0001734	SPACER, 40.6 ID X 46 OD X 1.5 mm THK	
52	50	1	0004851	PARALLEL KEY, 12 X 10 mm, 60 mm LG	
53	51	1	0001875	V-BELT PULLEY, 4-GROOVE, 40 mm SHAFT, 250 mm DIA	
54	52	2	0006080	SLOTTED NUT, ROUND, M40 X 1.5	
555	53	1	0001265	BELT TENSIONER ARM	
566	54	1	0003552	BELT TENSIONER ARM BUSHING, 20 ID X 35 OD X 44 mm LG	
57	55	1	0003882	SPACER, 20 ID X 32 OD X 3 mm LG, POM	
58 2 0004798 RETAINING RING, EXTERNAL, 17 mm SHAFT (16.2 mm GROOVE) 59 2 0001288 SINGLE ROLLER SHAFT LOCKING PLATE 60 2 0001873 EXTENSION SPRING, HOOK ENDS, 33 mm DJ, 5 mm DIA WIRE, 165 mm LG 61 2 0001577 ECCENTRIC BUSHING, M30 X 3.5, 30 mm LG, 16 mm THRU, 3 mm ECCENTRICITY 62 1 0003142 BELT GUARD 63 1 0001575 LOCKING PIN, 19 mm DIA, 180 mm USEABLE LG 64 1 0001276 CHAINSAW HOLDER MOUNTING BRACKET 65 1 0001283 CHAINSAW HOLDER TOP RUBBER PAD 66 2 0002699 SPACER, 11 ID X 21 OD X 11 mm LG 67 1 000127 CHAINSAW HOLDER RUBBER MAT 68 2 0001236 CHAINSAW HOLDER, 58 mm OD, M10 X 1.5, 45 mm LG 70 1 0004872 DIRECTIONAL CONTROL VALVE, 1/2 NPT 70.1 1 0005487 ACTUATOR MOUNT, DIRECTIONAL CONTROL VALVE 70.2 1 0005486 ACTUATOR, 82 mm LG, DIRECTIONAL CONTROL VALVE 70.5 1 0005489 </td <td>56</td> <td>1</td> <td>0001266</td> <td>ROLLER SHAFT, 19 mm DIA, 63.6 mm LG</td>	56	1	0001266	ROLLER SHAFT, 19 mm DIA, 63.6 mm LG	
59 2 0001268 SINGLE ROLLER SHAFT LOCKING PLATE 60 2 0001873 EXTENSION SPRING, HOOK ENDS, 33 mm OD, 5 mm DIA WIRE, 165 mm LG 61 2 0001577 ECCENTRIC BUSHING, M30 X 3.5, 30 mm LG, 16 mm THRU, 3 mm ECCENTRICITY 62 1 0003142 BELT GUARD 63 1 0001575 LOCKING PIN, 19 mm DIA, 180 mm USEABLE LG 64 1 0001276 CHAINSAW HOLDER MOUNTING BRACKET 65 1 0001283 CHAINSAW HOLDER TOP RUBBER PAD 66 2 0002699 SPACER, 11 ID X 21 OD X 11 mm LG 67 1 0001277 CHAINSAW HOLDER RUBBER PAD 68 2 0001236 CHAINSAW HOLDER CLAMPING PLATE 68 2 0001236 CHAINSAW HOLDER RUBBER MAT 69 1 0001277 CHAINSAW HOLDER RUBBER MAT 70.1 1 0004872 DIRECTIONAL CONTROL VALVE, 1/2 PPT 70.1 1 0005486 ACTUATOR MOUNT, DIRECTIONAL CONTROL VALVE 70.2 1 0005486 ACTUATOR, 32 mm LG, DIRECTIONAL CONTROL VALVE<	57	1	0001267	ROLLER, 38 mm DIA, 96 mm LG	
60 2 0001873 EXTENSION SPRING, HOOK ENDS, 33 mm OD, 5 mm DIA WIRE, 165 mm LG 61 2 0001577 ECCENTRIC BUSHING, M30 X 3.5, 30 mm LG, 16 mm THRU, 3 mm ECCENTRICITY 62 1 0003142 BELT GUARD 63 1 0001575 LOCKING PIN, 19 mm DIA, 180 mm USEABLE LG 64 1 0001276 CHAINSAW HOLDER MOUNTING BRACKET 65 1 0001283 CHAINSAW HOLDER TOP RUBBER PAD 66 2 0002699 SPACER, 11 ID X 21 OD X 11 mm LG 67 1 0001277 CHAINSAW HOLDER CLAMPING PLATE 68 2 0001236 CHAINSAW HOLDER RUBBER MAT 69 1 0001910 KNOB, MULTI-LOBE, 58 mm OD, M10 X 1.5, 45 mm LG 70.1 1 0004872 DIRECTIONAL CONTROL VALVE, 1/2 NPT 70.1 1 0005487 ACTUATOR MOUNT, DIRECTIONAL CONTROL VALVE 70.2 1 0005487 ACTUATOR, 82 mm LG, DIRECTIONAL CONTROL VALVE 70.3 1 0005481 CATLER PIN, 2 mm DIA, 10 mm LG 70.5 1 0005483 COTTE	58	2	0004798	RETAINING RING, EXTERNAL, 17 mm SHAFT (16.2 mm GROOVE)	
61 2 0001577 ECCENTRIC BUSHING, M30 X 3.5, 30 mm LG, 16 mm THRU, 3 mm ECCENTRICITY 62 1 0003142 BELT GUARD 63 1 0001575 LOCKING PIN, 19 mm DIA, 180 mm USEABLE LG 64 1 0001283 CHAINSAW HOLDER MOUNTING BRACKET 65 1 0001283 CHAINSAW HOLDER TOP RUBBER PAD 66 2 0002699 SPACER, 11 ID X 21 OD X 11 mm LG 67 1 0001277 CHAINSAW HOLDER RUBBER PAD 68 2 0001236 CHAINSAW HOLDER RUBBER MAT 69 1 0001291 KNOB, MULTI-LOBE, 58 mm OD, M10 X 1.5, 45 mm LG 70 1 0004872 DIRECTIONAL CONTROL VALVE, 1/2 NPT 70.1 1 0004872 DIRECTIONAL CONTROL VALVE, 1/2 NPT 70.2 1 0005487 ACTUATOR, 82 mm LG, DIRECTIONAL CONTROL VALVE 70.3 1 0005477 MASTER LINK, NO. 60 CHAIN 70.4 1 0005482 CLEVIS PIN, 2 mm DIA, 20 mm USABLE LG, 25 mm LG 70.5 1 0005483 COTTER PIN, 2 mm DIA, 10 mm LG	59	2	0001268	SINGLE ROLLER SHAFT LOCKING PLATE	
62 1 0003142 BELT GUARD 63 1 0001575 LOCKING PIN, 19 mm DIA, 180 mm USEABLE LG 64 1 0001276 CHAINSAW HOLDER MOUNTING BRACKET 65 1 0001283 CHAINSAW HOLDER TOP RUBBER PAD 66 2 0002699 SPACER, 11 ID X 21 OD X 11 mm LG 67 1 0001276 CHAINSAW HOLDER CLAMPING PLATE 68 2 0001236 CHAINSAW HOLDER RUBBER MAT 69 1 0001910 KNOB, MULTI-LOBE, 58 mm OD, M10 X 1.5, 45 mm LG 70 1 0004872 DIRECTIONAL CONTROL VALVE, 1/2 NPT 70.1 1 0005487 ACTUATOR MOUNT, DIRECTIONAL CONTROL VALVE 70.2 1 0005486 ACTUATOR, 82 mm LG, DIRECTIONAL CONTROL VALVE 70.3 1 0005477 MASTER LINK, NO. 60 CHAIN 70.4 1 0005482 CLEVIS PIN, 6 mm DIA, 10 mm LG 70.5 1 0005483 COTTER PIN, 2 mm DIA, 10 mm LG 70.7 1 0005484 REAR COVER, DIRECTIONAL CONTROL VALVE 70.7 </td <td>60</td> <td>2</td> <td>0001873</td> <td>EXTENSION SPRING, HOOK ENDS, 33 mm OD, 5 mm DIA WIRE, 165 mm LG</td>	60	2	0001873	EXTENSION SPRING, HOOK ENDS, 33 mm OD, 5 mm DIA WIRE, 165 mm LG	
63 1 0001575 LOCKING PIN, 19 mm DIA, 180 mm USEABLE LG 64 1 0001276 CHAINSAW HOLDER MOUNTING BRACKET 65 1 0001283 CHAINSAW HOLDER TOP RUBBER PAD 66 2 0002699 SPACER, 11 ID X 21 OD X 11 mm LG 67 1 0001277 CHAINSAW HOLDER RUBBER MAT 68 2 0001236 CHAINSAW HOLDER RUBBER MAT 69 1 0001910 KNOB, MULTI-LOBE, 58 mm OD, M10 X 1.5, 45 mm LG 70 1 0004872 DIRECTIONAL CONTROL VALVE, 1/2 NPT 70.1 1 0005487 ACTUATOR MOUNT, DIRECTIONAL CONTROL VALVE 70.2 1 0005486 ACTUATOR, 82 mm LG, DIRECTIONAL CONTROL VALVE 70.3 1 0005477 MASTER LINK, NO. 60 CHAIN 70.4 1 0005482 CLEVIS PIN, 6 mm DIA, 20 mm USABLE LG, 25 mm LG 70.5 1 0005483 COTTER PIN, 2 mm DIA, 10 mm LG 70.6 1 0005494 REAR COVER, DIRECTIONAL CONTROL VALVE 70.7 1 0005489 ADJUSTMENT SCREW, M14 X 1.5, 25 mm LG,	61	2	0001577	ECCENTRIC BUSHING, M30 X 3.5, 30 mm LG, 16 mm THRU, 3 mm ECCENTRICITY	
64 1 0001276 CHAINSAW HOLDER MOUNTING BRACKET 65 1 0001283 CHAINSAW HOLDER TOP RUBBER PAD 66 2 0002699 SPACER, 11 ID X 21 OD X 11 mm LG 67 1 0001277 CHAINSAW HOLDER CLAMPING PLATE 68 2 0001236 CHAINSAW HOLDER RUBBER MAT 69 1 0001910 KNOB, MULTI-LOBE, 58 mm OD, M10 X 1.5, 45 mm LG 70 1 0004872 DIRECTIONAL CONTROL VALVE, 1/2 NPT 70.1 1 0005487 ACTUATOR MOUNT, DIRECTIONAL CONTROL VALVE 70.2 1 0005486 ACTUATOR, 82 mm LG, DIRECTIONAL CONTROL VALVE 70.3 1 0005487 ACTUATOR, 82 mm LG, DIRECTIONAL CONTROL VALVE 70.4 1 0005488 CLEVIS PIN, 6 mm DIA, 20 mm USABLE LG, 25 mm LG 70.5 1 0005483 COTTER PIN, 2 mm DIA, 10 mm LG 70.6 1 0005494 REAR COVER, DIRECTIONAL CONTROL VALVE 70.7 1 0005481 COMPRESSION SPRING, CLOSED GROUND ENDS, 8 mm OD, 1.5 mm DIA WIRE, 25 mm LG 70.8 1 0005	62	1	0003142	BELT GUARD	
65 1 0001283 CHAINSAW HOLDER TOP RUBBER PAD 66 2 0002699 SPACER, 11 ID X 21 OD X 11 mm LG 67 1 0001277 CHAINSAW HOLDER CLAMPING PLATE 68 2 0001236 CHAINSAW HOLDER RUBBER MAT 69 1 0001910 KNOB, MULTI-LOBE, 58 mm OD, M10 X 1.5, 45 mm LG 70 1 0004872 DIRECTIONAL CONTROL VALVE, 1/2 NPT 70.1 1 0005487 ACTUATOR MOUNT, DIRECTIONAL CONTROL VALVE 70.2 1 0005486 ACTUATOR, 82 mm LG, DIRECTIONAL CONTROL VALVE 70.3 1 0005477 MASTER LINK, NO. 60 CHAIN 70.4 1 0005482 CLEVIS PIN, 6 mm DIA, 20 mm USABLE LG, 25 mm LG 70.5 1 0005483 COTTER PIN, 2 mm DIA, 10 mm LG 70.6 1 0005494 REAR COVER, DIRECTIONAL CONTROL VALVE 70.7 1 0005481 COMPRESSION SPRING, CLOSED GROUND ENDS, 8 mm OD, 1.5 mm DIA WIRE, 23 mm LG 70.8 1 0005489 ADJUSTMENT SCREW, M14 X 1.5, 25 mm LG, DIRECTIONAL CONTROL VALVE 70.9 1 0005488 CAP, DIRECTIONAL CONTROL VALVE 70.10 1 0007182 PRESSURE RELEASE PLUG, DIRECTIONAL CONTROL VALVE 70.11 4 SHC-MBE075FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL 70.12 1 FTS-MBY059GR SET SCREW, FLAT TIP, GR 45H, M14 X 1.5, 10 mm LG 70.13 1 THN-MBYCC HEX NUT, THIN, CLS 4, M14 X 1.5 71 2 0001304 LATCH-STYLE TOGGLE CLAMP 72.1 1 0007518 LEVER ARM, VARIABLE FLOW CONTROL VALVE, 1/2 in NPT, 0-16 gal/min 72.1 1 0007518 LEVER ARM, VARIABLE FLOW CONTROL VALVE 72.3 1 CPS-MBE051GR SET SCREW, CUP POINT, GR 45H, M6 X 1, 20 mm LG 73 1 0006603 INFEED CHUTE TOP PANEL 74 1 0001262 OUTER HINGE, INFEED CHUTE	63	1	0001575	LOCKING PIN, 19 mm DIA, 180 mm USEABLE LG	
66 2 0002699 SPACER, 11 ID X 21 OD X 11 mm LG 67 1 0001277 CHAINSAW HOLDER CLAMPING PLATE 68 2 0001236 CHAINSAW HOLDER RUBBER MAT 69 1 0001910 KNOB, MULTI-LOBE, 58 mm OD, M10 X 1.5, 45 mm LG 70 1 0004872 DIRECTIONAL CONTROL VALVE, 1/2 NPT 70.1 1 0005487 ACTUATOR MOUNT, DIRECTIONAL CONTROL VALVE 70.2 1 0005486 ACTUATOR, 82 mm LG, DIRECTIONAL CONTROL VALVE 70.3 1 0005477 MASTER LINK, NO. 60 CHAIN 70.4 1 0005482 CLEVIS PIN, 6 mm DIA, 20 mm USABLE LG, 25 mm LG 70.5 1 0005483 COTTER PIN, 2 mm DIA, 10 mm LG 70.6 1 0005494 REAR COVER, DIRECTIONAL CONTROL VALVE 70.7 1 0005489 ADJUSTMENT SCREW, M14 X 1.5, 25 mm LG, DIRECTIONAL CONTROL VALVE 70.9 1 0005488 CAP, DIRECTIONAL CONTROL VALVE 70.10 1 0007482 PRESSURE RELEASE PLUG, DIRECTIONAL CONTROL VALVE 70.11 4 SHC-MBEO75FC	64	1	0001276	CHAINSAW HOLDER MOUNTING BRACKET	
67 1 0001277 CHAINSAW HOLDER CLAMPING PLATE 68 2 0001236 CHAINSAW HOLDER RUBBER MAT 69 1 0001910 KNOB, MULTI-LOBE, 58 mm OD, M10 X 1.5, 45 mm LG 70 1 0004872 DIRECTIONAL CONTROL VALVE, 1/2 NPT 70.1 1 0005486 ACTUATOR, 82 mm LG, DIRECTIONAL CONTROL VALVE 70.2 1 0005477 MASTER LINK, NO. 60 CHAIN 70.4 1 0005482 CLEVIS PIN, 6 mm DIA, 20 mm USABLE LG, 25 mm LG 70.5 1 0005483 COTTER PIN, 2 mm DIA, 10 mm LG 70.6 1 0005494 REAR COVER, DIRECTIONAL CONTROL VALVE 70.7 1 0005481 COMPRESSION SPRING, CLOSED GROUND ENDS, 8 mm OD, 1.5 mm DIA WIRE, 23 mm LG 70.8 1 0005489 ADJUSTMENT SCREW, M14 X 1.5, 25 mm LG, DIRECTIONAL CONTROL VALVE 70.9 1 0005488 CAP, DIRECTIONAL CONTROL VALVE 70.10 1 0007482 PRESSURE RELEASE PLUG, DIRECTIONAL CONTROL VALVE 70.11 4 SHC-MBEO75FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL 70.12<	65	1	0001283	CHAINSAW HOLDER TOP RUBBER PAD	
68 2 0001236 CHAINSAW HOLDER RUBBER MAT 69 1 0001910 KNOB, MULTI-LOBE, 58 mm OD, M10 X 1.5, 45 mm LG 70 1 0004872 DIRECTIONAL CONTROL VALVE, 1/2 NPT 70.1 1 0005487 ACTUATOR MOUNT, DIRECTIONAL CONTROL VALVE 70.2 1 0005486 ACTUATOR, 82 mm LG, DIRECTIONAL CONTROL VALVE 70.3 1 0005477 MASTER LINK, NO. 60 CHAIN 70.4 1 0005482 CLEVIS PIN, 6 mm DIA, 20 mm USABLE LG, 25 mm LG 70.5 1 0005483 COTTER PIN, 2 mm DIA, 10 mm LG 70.6 1 0005494 REAR COVER, DIRECTIONAL CONTROL VALVE 70.7 1 0005481 COMPRESSION SPRING, CLOSED GROUND ENDS, 8 mm OD, 1.5 mm DIA WIRE, 23 mm LG 70.8 1 0005489 ADJUSTMENT SCREW, M14 X 1.5, 25 mm LG, DIRECTIONAL CONTROL VALVE 70.9 1 0005488 CAP, DIRECTIONAL CONTROL VALVE 70.10 1 0007182 PRESSURE RELEASE PLUG, DIRECTIONAL CONTROL VALVE 70.11 4 SHC-MBEO75FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL	66	2	0002699	SPACER, 11 ID X 21 OD X 11 mm LG	
69 1 0001910 KNOB, MULTI-LOBE, 58 mm OD, M10 X 1.5, 45 mm LG 70 1 0004872 DIRECTIONAL CONTROL VALVE, 1/2 NPT 70.1 1 0005487 ACTUATOR MOUNT, DIRECTIONAL CONTROL VALVE 70.2 1 0005486 ACTUATOR, 82 mm LG, DIRECTIONAL CONTROL VALVE 70.3 1 0005477 MASTER LINK, NO. 60 CHAIN 70.4 1 0005482 CLEVIS PIN, 6 mm DIA, 20 mm USABLE LG, 25 mm LG 70.5 1 0005483 COTTER PIN, 2 mm DIA, 10 mm LG 70.6 1 0005494 REAR COVER, DIRECTIONAL CONTROL VALVE 70.7 1 0005481 COMPRESSION SPRING, CLOSED GROUND ENDS, 8 mm OD, 1.5 mm DIA WIRE, 23 mm LG 70.8 1 0005489 ADJUSTMENT SCREW, M14 X 1.5, 25 mm LG, DIRECTIONAL CONTROL VALVE 70.9 1 0005488 CAP, DIRECTIONAL CONTROL VALVE 70.10 1 0007182 PRESSURE RELEASE PLUG, DIRECTIONAL CONTROL VALVE 70.11 4 SHC-MBE075FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL 70.12 1 FTS-MBY059GR SET SCREW, FLATT TIP, GR 45H, M14 X 1.5	67	1	0001277	CHAINSAW HOLDER CLAMPING PLATE	
70 1 0004872 DIRECTIONAL CONTROL VALVE, 1/2 NPT 70.1 1 0005487 ACTUATOR MOUNT, DIRECTIONAL CONTROL VALVE 70.2 1 0005486 ACTUATOR, 82 mm LG, DIRECTIONAL CONTROL VALVE 70.3 1 0005477 MASTER LINK, NO. 60 CHAIN 70.4 1 0005482 CLEVIS PIN, 6 mm DIA, 20 mm USABLE LG, 25 mm LG 70.5 1 0005483 COTTER PIN, 2 mm DIA, 10 mm LG 70.6 1 0005494 REAR COVER, DIRECTIONAL CONTROL VALVE 70.7 1 0005481 COMPRESSION SPRING, CLOSED GROUND ENDS, 8 mm OD, 1.5 mm DIA WIRE, 23 mm LG 70.8 1 0005489 ADJUSTMENT SCREW, M14 X 1.5, 25 mm LG, DIRECTIONAL CONTROL VALVE 70.9 1 0005488 CAP, DIRECTIONAL CONTROL VALVE 70.10 1 0007182 PRESSURE RELEASE PLUG, DIRECTIONAL CONTROL VALVE 70.11 4 SHC-MBE075FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL 70.12 1 FTS-MBY059GR SET SCREW, FLAT TIP, GR 45H, M14 X 1.5, 10 mm LG 70.13 1 THIN-MBYCC HEX NUT, THIN, CLS 4, M14 X 1.5	68	2	0001236	CHAINSAW HOLDER RUBBER MAT	
70.1 1 0005487 ACTUATOR MOUNT, DIRECTIONAL CONTROL VALVE 70.2 1 0005486 ACTUATOR, 82 mm LG, DIRECTIONAL CONTROL VALVE 70.3 1 0005477 MASTER LINK, NO. 60 CHAIN 70.4 1 0005482 CLEVIS PIN, 6 mm DIA, 20 mm USABLE LG, 25 mm LG 70.5 1 0005483 COTTER PIN, 2 mm DIA, 10 mm LG 70.6 1 0005494 REAR COVER, DIRECTIONAL CONTROL VALVE 70.7 1 0005481 COMPRESSION SPRING, CLOSED GROUND ENDS, 8 mm OD, 1.5 mm DIA WIRE, 23 mm LG 70.8 1 0005489 ADJUSTMENT SCREW, M14 X 1.5, 25 mm LG, DIRECTIONAL CONTROL VALVE 70.9 1 0005488 CAP, DIRECTIONAL CONTROL VALVE 70.10 1 0007182 PRESSURE RELEASE PLUG, DIRECTIONAL CONTROL VALVE 70.11 4 SHC-MBE075FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL 70.12 1 FTS-MBY059GR SET SCREW, FLAT TIP, GR 45H, M14 X 1.5, 10 mm LG 70.13 1 THN-MBYCC HEX NUT, THIN, CLS 4, M14 X 1.5 71 2 0001304 LATCH-STYLE TOGGLE CLAMP <	69	1	0001910	KNOB, MULTI-LOBE, 58 mm OD, M10 X 1.5, 45 mm LG	
70.2 1 0005486 ACTUATOR, 82 mm LG, DIRECTIONAL CONTROL VALVE 70.3 1 0005477 MASTER LINK, NO. 60 CHAIN 70.4 1 0005482 CLEVIS PIN, 6 mm DIA, 20 mm USABLE LG, 25 mm LG 70.5 1 0005483 COTTER PIN, 2 mm DIA, 10 mm LG 70.6 1 0005494 REAR COVER, DIRECTIONAL CONTROL VALVE 70.7 1 0005481 COMPRESSION SPRING, CLOSED GROUND ENDS, 8 mm OD, 1.5 mm DIA WIRE, 25 mm LG 70.8 1 0005489 ADJUSTMENT SCREW, M14 X 1.5, 25 mm LG, DIRECTIONAL CONTROL VALVE 70.9 1 0005488 CAP, DIRECTIONAL CONTROL VALVE 70.10 1 0007182 PRESSURE RELEASE PLUG, DIRECTIONAL CONTROL VALVE 70.11 4 SHC-MBE075FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL 70.12 1 FTS-MBY059GR SET SCREW, FLAT TIP, GR 45H, M14 X 1.5, 10 mm LG 70.13 1 THN-MBYCC HEX NUT, THIN, CLS 4, M14 X 1.5 71 2 0001304 LATCH-STYLE TOGGLE CLAMP 72 1 0004875 VARIABLE FLOW CONTROL VALVE, 1/2 in NPT, 0-16 gal/min <	70	1	0004872		
70.3 1 0005477 MASTER LINK, NO. 60 CHAIN 70.4 1 0005482 CLEVIS PIN, 6 mm DIA, 20 mm USABLE LG, 25 mm LG 70.5 1 0005483 COTTER PIN, 2 mm DIA, 10 mm LG 70.6 1 0005494 REAR COVER, DIRECTIONAL CONTROL VALVE 70.7 1 0005481 COMPRESSION SPRING, CLOSED GROUND ENDS, 8 mm OD, 1.5 mm DIA WIRE, 25 mm LG 70.8 1 0005489 ADJUSTMENT SCREW, M14 X 1.5, 25 mm LG, DIRECTIONAL CONTROL VALVE 70.9 1 0005488 CAP, DIRECTIONAL CONTROL VALVE 70.10 1 0007182 PRESSURE RELEASE PLUG, DIRECTIONAL CONTROL VALVE 70.11 4 SHC-MBE075FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL 70.12 1 FTS-MBY059GR SET SCREW, FLAT TIP, GR 45H, M14 X 1.5, 10 mm LG 70.13 1 THN-MBYCC HEX NUT, THIN, CLS 4, M14 X 1.5 71 2 0001304 LATCH-STYLE TOGGLE CLAMP 72 1 0004875 VARIABLE FLOW CONTROL VALVE, 1/2 in NPT, 0-16 gal/min 72.1 1 0007519 KNOB, MULTI-LOBE, 25 mm OD, M6 X 1, 20 mm LG </td <td>70.1</td> <td>1</td> <td>0005487</td> <td>ACTUATOR MOUNT, DIRECTIONAL CONTROL VALVE</td>	70.1	1	0005487	ACTUATOR MOUNT, DIRECTIONAL CONTROL VALVE	
70.3 1 0005477 MASTER LINK, NO. 60 CHAIN 70.4 1 0005482 CLEVIS PIN, 6 mm DIA, 20 mm USABLE LG, 25 mm LG 70.5 1 0005483 COTTER PIN, 2 mm DIA, 10 mm LG 70.6 1 0005494 REAR COVER, DIRECTIONAL CONTROL VALVE 70.7 1 0005481 COMPRESSION SPRING, CLOSED GROUND ENDS, 8 mm OD, 1.5 mm DIA WIRE, 25 mm LG 70.8 1 0005489 ADJUSTMENT SCREW, M14 X 1.5, 25 mm LG, DIRECTIONAL CONTROL VALVE 70.9 1 0005488 CAP, DIRECTIONAL CONTROL VALVE 70.10 1 0007182 PRESSURE RELEASE PLUG, DIRECTIONAL CONTROL VALVE 70.11 4 SHC-MBE075FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL 70.12 1 FTS-MBY059GR SET SCREW, FLAT TIP, GR 45H, M14 X 1.5, 10 mm LG 70.13 1 THN-MBYCC HEX NUT, THIN, CLS 4, M14 X 1.5 71 2 0001304 LATCH-STYLE TOGGLE CLAMP 72 1 0004875 VARIABLE FLOW CONTROL VALVE, 1/2 in NPT, 0-16 gal/min 72.1 1 0007519 KNOB, MULTI-LOBE, 25 mm OD, M6 X 1, 20 mm LG </td <td>70.2</td> <td>1</td> <td>0005486</td> <td>ACTUATOR, 82 mm LG, DIRECTIONAL CONTROL VALVE</td>	70.2	1	0005486	ACTUATOR, 82 mm LG, DIRECTIONAL CONTROL VALVE	
70.4 1 0005482 CLEVIS PIN, 6 mm DIA, 20 mm USABLE LG, 25 mm LG 70.5 1 0005483 COTTER PIN, 2 mm DIA, 10 mm LG 70.6 1 0005494 REAR COVER, DIRECTIONAL CONTROL VALVE 70.7 1 0005481 COMPRESSION SPRING, CLOSED GROUND ENDS, 8 mm OD, 1.5 mm DIA WIRE, 25 mm LG 70.8 1 0005489 ADJUSTMENT SCREW, M14 X 1.5, 25 mm LG, DIRECTIONAL CONTROL VALVE 70.9 1 0005488 CAP, DIRECTIONAL CONTROL VALVE 70.10 1 0007182 PRESSURE RELEASE PLUG, DIRECTIONAL CONTROL VALVE 70.11 4 SHC-MBE075FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL 70.12 1 FTS-MBY059GR SET SCREW, FLAT TIP, GR 45H, M14 X 1.5, 10 mm LG 70.13 1 THN-MBYCC HEX NUT, THIN, CLS 4, M14 X 1.5 71 2 0001304 LATCH-STYLE TOGGLE CLAMP 72 1 0004875 VARIABLE FLOW CONTROL VALVE, 1/2 in NPT, 0-16 gal/min 72.1 1 0007518 LEVER ARM, VARIABLE FLOW CONTROL VALVE 72.2 1 0007519 KNOB, MULTI-LOBE, 25 mm OD, M6 X 1, 20 mm L	70.3	1	0005477		
70.5 1 0005483 COTTER PIN, 2 mm DIA, 10 mm LG 70.6 1 0005494 REAR COVER, DIRECTIONAL CONTROL VALVE 70.7 1 0005481 COMPRESSION SPRING, CLOSED GROUND ENDS, 8 mm OD, 1.5 mm DIA WIRE, 25 mm LG 70.8 1 0005489 ADJUSTMENT SCREW, M14 X 1.5, 25 mm LG, DIRECTIONAL CONTROL VALVE 70.9 1 0005488 CAP, DIRECTIONAL CONTROL VALVE 70.10 1 0007182 PRESSURE RELEASE PLUG, DIRECTIONAL CONTROL VALVE 70.11 4 SHC-MBE075FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL 70.12 1 FTS-MBY059GR SET SCREW, FLAT TIP, GR 45H, M14 X 1.5, 10 mm LG 70.13 1 THN-MBYCC HEX NUT, THIN, CLS 4, M14 X 1.5 71 2 0001304 LATCH-STYLE TOGGLE CLAMP 72 1 0004875 VARIABLE FLOW CONTROL VALVE, 1/2 in NPT, 0-16 gal/min 72.1 1 0007518 LEVER ARM, VARIABLE FLOW CONTROL VALVE 72.2 1 0007519 KNOB, MULTI-LOBE, 25 mm OD, M6 X 1, 20 mm LG 72.3 1 CPS-MBE051GR SET SCREW, CUP POINT, GR 45H, M6 X 1, 6 m	70.4	1	0005482		
70.6 1 0005494 REAR COVER, DIRECTIONAL CONTROL VALVE 70.7 1 0005481 COMPRESSION SPRING, CLOSED GROUND ENDS, 8 mm OD, 1.5 mm DIA WIRE, 23 mm LG 70.8 1 0005489 ADJUSTMENT SCREW, M14 X 1.5, 25 mm LG, DIRECTIONAL CONTROL VALVE 70.9 1 0005488 CAP, DIRECTIONAL CONTROL VALVE 70.10 1 0007182 PRESSURE RELEASE PLUG, DIRECTIONAL CONTROL VALVE 70.11 4 SHC-MBE075FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL 70.12 1 FTS-MBY059GR SET SCREW, FLAT TIP, GR 45H, M14 X 1.5, 10 mm LG 70.13 1 THN-MBYCC HEX NUT, THIN, CLS 4, M14 X 1.5 71 2 0001304 LATCH-STYLE TOGGLE CLAMP 72 1 0004875 VARIABLE FLOW CONTROL VALVE, 1/2 in NPT, 0-16 gal/min 72.1 1 0007518 LEVER ARM, VARIABLE FLOW CONTROL VALVE 72.2 1 0007519 KNOB, MULTI-LOBE, 25 mm OD, M6 X 1, 20 mm LG 72.3 1 CPS-MBE051GR SET SCREW, CUP POINT, GR 45H, M6 X 1, 6 mm LG 73 1 0006603 INFEED CHUTE TOP PANEL	70.5	1	0005483		
70.7 I 0005481 mm LG 70.8 1 0005489 ADJUSTMENT SCREW, M14 X 1.5, 25 mm LG, DIRECTIONAL CONTROL VALVE 70.9 1 0005488 CAP, DIRECTIONAL CONTROL VALVE 70.10 1 0007182 PRESSURE RELEASE PLUG, DIRECTIONAL CONTROL VALVE 70.11 4 SHC-MBE075FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL 70.12 1 FTS-MBY059GR SET SCREW, FLAT TIP, GR 45H, M14 X 1.5, 10 mm LG 70.13 1 THN-MBYCC HEX NUT, THIN, CLS 4, M14 X 1.5 71 2 0001304 LATCH-STYLE TOGGLE CLAMP 72 1 0004875 VARIABLE FLOW CONTROL VALVE, 1/2 in NPT, 0-16 gal/min 72.1 1 0007518 LEVER ARM, VARIABLE FLOW CONTROL VALVE 72.2 1 0007519 KNOB, MULTI-LOBE, 25 mm OD, M6 X 1, 20 mm LG 72.3 1 CPS-MBE051GR SET SCREW, CUP POINT, GR 45H, M6 X 1, 6 mm LG 73 1 0006603 INFEED CHUTE TOP PANEL 74 1 0001262 OUTER HINGE, INFEED CHUTE	70.6	1	0005494		
70.7 I 0005481 mm LG 70.8 1 0005489 ADJUSTMENT SCREW, M14 X 1.5, 25 mm LG, DIRECTIONAL CONTROL VALVE 70.9 1 0005488 CAP, DIRECTIONAL CONTROL VALVE 70.10 1 0007182 PRESSURE RELEASE PLUG, DIRECTIONAL CONTROL VALVE 70.11 4 SHC-MBE075FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL 70.12 1 FTS-MBY059GR SET SCREW, FLAT TIP, GR 45H, M14 X 1.5, 10 mm LG 70.13 1 THN-MBYCC HEX NUT, THIN, CLS 4, M14 X 1.5 71 2 0001304 LATCH-STYLE TOGGLE CLAMP 72 1 0004875 VARIABLE FLOW CONTROL VALVE, 1/2 in NPT, 0-16 gal/min 72.1 1 0007518 LEVER ARM, VARIABLE FLOW CONTROL VALVE 72.2 1 0007519 KNOB, MULTI-LOBE, 25 mm OD, M6 X 1, 20 mm LG 72.3 1 CPS-MBE051GR SET SCREW, CUP POINT, GR 45H, M6 X 1, 6 mm LG 73 1 0006603 INFEED CHUTE TOP PANEL 74 1 0001262 OUTER HINGE, INFEED CHUTE				,	
70.9 1 0005488 CAP, DIRECTIONAL CONTROL VALVE 70.10 1 0007182 PRESSURE RELEASE PLUG, DIRECTIONAL CONTROL VALVE 70.11 4 SHC-MBE075FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL 70.12 1 FTS-MBY059GR SET SCREW, FLAT TIP, GR 45H, M14 X 1.5, 10 mm LG 70.13 1 THN-MBYCC HEX NUT, THIN, CLS 4, M14 X 1.5 71 2 0001304 LATCH-STYLE TOGGLE CLAMP 72 1 0004875 VARIABLE FLOW CONTROL VALVE, 1/2 in NPT, 0-16 gal/min 72.1 1 0007518 LEVER ARM, VARIABLE FLOW CONTROL VALVE 72.2 1 0007519 KNOB, MULTI-LOBE, 25 mm OD, M6 X 1, 20 mm LG 72.3 1 CPS-MBE051GR SET SCREW, CUP POINT, GR 45H, M6 X 1, 6 mm LG 73 1 0006603 INFEED CHUTE TOP PANEL 74 1 0001262 OUTER HINGE, INFEED CHUTE	/0./	1	0005481		
70.10 1 0007182 PRESSURE RELEASE PLUG, DIRECTIONAL CONTROL VALVE 70.11 4 SHC-MBE075FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL 70.12 1 FTS-MBY059GR SET SCREW, FLAT TIP, GR 45H, M14 X 1.5, 10 mm LG 70.13 1 THN-MBYCC HEX NUT, THIN, CLS 4, M14 X 1.5 71 2 0001304 LATCH-STYLE TOGGLE CLAMP 72 1 0004875 VARIABLE FLOW CONTROL VALVE, 1/2 in NPT, 0-16 gal/min 72.1 1 0007518 LEVER ARM, VARIABLE FLOW CONTROL VALVE 72.2 1 0007519 KNOB, MULTI-LOBE, 25 mm OD, M6 X 1, 20 mm LG 72.3 1 CPS-MBE051GR SET SCREW, CUP POINT, GR 45H, M6 X 1, 6 mm LG 73 1 0006603 INFEED CHUTE TOP PANEL 74 1 0001262 OUTER HINGE, INFEED CHUTE	70.8	1	0005489	ADJUSTMENT SCREW, M14 X 1.5, 25 mm LG, DIRECTIONAL CONTROL VALVE	
70.11 4 SHC-MBE075FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL 70.12 1 FTS-MBY059GR SET SCREW, FLAT TIP, GR 45H, M14 X 1.5, 10 mm LG 70.13 1 THN-MBYCC HEX NUT, THIN, CLS 4, M14 X 1.5 71 2 0001304 LATCH-STYLE TOGGLE CLAMP 72 1 0004875 VARIABLE FLOW CONTROL VALVE, 1/2 in NPT, 0-16 gal/min 72.1 1 0007518 LEVER ARM, VARIABLE FLOW CONTROL VALVE 72.2 1 0007519 KNOB, MULTI-LOBE, 25 mm OD, M6 X 1, 20 mm LG 72.3 1 CPS-MBE051GR SET SCREW, CUP POINT, GR 45H, M6 X 1, 6 mm LG 73 1 0006603 INFEED CHUTE TOP PANEL 74 1 0001262 OUTER HINGE, INFEED CHUTE	70.9	1	0005488	CAP, DIRECTIONAL CONTROL VALVE	
70.12 1 FTS-MBY059GR SET SCREW, FLAT TIP, GR 45H, M14 X 1.5, 10 mm LG 70.13 1 THN-MBYCC HEX NUT, THIN, CLS 4, M14 X 1.5 71 2 0001304 LATCH-STYLE TOGGLE CLAMP 72 1 0004875 VARIABLE FLOW CONTROL VALVE, 1/2 in NPT, 0-16 gal/min 72.1 1 0007518 LEVER ARM, VARIABLE FLOW CONTROL VALVE 72.2 1 0007519 KNOB, MULTI-LOBE, 25 mm OD, M6 X 1, 20 mm LG 72.3 1 CPS-MBE051GR SET SCREW, CUP POINT, GR 45H, M6 X 1, 6 mm LG 73 1 0006603 INFEED CHUTE TOP PANEL 74 1 0001262 OUTER HINGE, INFEED CHUTE	70.10	1	0007182	PRESSURE RELEASE PLUG, DIRECTIONAL CONTROL VALVE	
70.13 1 THN-MBYCC HEX NUT, THIN, CLS 4, M14 X 1.5 71 2 0001304 LATCH-STYLE TOGGLE CLAMP 72 1 0004875 VARIABLE FLOW CONTROL VALVE, 1/2 in NPT, 0-16 gal/min 72.1 1 0007518 LEVER ARM, VARIABLE FLOW CONTROL VALVE 72.2 1 0007519 KNOB, MULTI-LOBE, 25 mm OD, M6 X 1, 20 mm LG 72.3 1 CPS-MBE051GR SET SCREW, CUP POINT, GR 45H, M6 X 1, 6 mm LG 73 1 0006603 INFEED CHUTE TOP PANEL 74 1 0001262 OUTER HINGE, INFEED CHUTE	70.11	4	SHC-MBE075FCP	SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL	
71 2 0001304 LATCH-STYLE TOGGLE CLAMP 72 1 0004875 VARIABLE FLOW CONTROL VALVE, 1/2 in NPT, 0-16 gal/min 72.1 1 0007518 LEVER ARM, VARIABLE FLOW CONTROL VALVE 72.2 1 0007519 KNOB, MULTI-LOBE, 25 mm OD, M6 X 1, 20 mm LG 72.3 1 CPS-MBE051GR SET SCREW, CUP POINT, GR 45H, M6 X 1, 6 mm LG 73 1 0006603 INFEED CHUTE TOP PANEL 74 1 0001262 OUTER HINGE, INFEED CHUTE	70.12	1	FTS-MBY059GR	SET SCREW, FLAT TIP, GR 45H, M14 X 1.5, 10 mm LG	
72 1 0004875 VARIABLE FLOW CONTROL VALVE, 1/2 in NPT, 0-16 gal/min 72.1 1 0007518 LEVER ARM, VARIABLE FLOW CONTROL VALVE 72.2 1 0007519 KNOB, MULTI-LOBE, 25 mm OD, M6 X 1, 20 mm LG 72.3 1 CPS-MBE051GR SET SCREW, CUP POINT, GR 45H, M6 X 1, 6 mm LG 73 1 0006603 INFEED CHUTE TOP PANEL 74 1 0001262 OUTER HINGE, INFEED CHUTE	70.13	1	THN-MBYCC	HEX NUT, THIN, CLS 4, M14 X 1.5	
72.1 1 0007518 LEVER ARM, VARIABLE FLOW CONTROL VALVE 72.2 1 0007519 KNOB, MULTI-LOBE, 25 mm OD, M6 X 1, 20 mm LG 72.3 1 CPS-MBE051GR SET SCREW, CUP POINT, GR 45H, M6 X 1, 6 mm LG 73 1 0006603 INFEED CHUTE TOP PANEL 74 1 0001262 OUTER HINGE, INFEED CHUTE	71	2	0001304	LATCH-STYLE TOGGLE CLAMP	
72.2 1 0007519 KNOB, MULTI-LOBE, 25 mm OD, M6 X 1, 20 mm LG 72.3 1 CPS-MBE051GR SET SCREW, CUP POINT, GR 45H, M6 X 1, 6 mm LG 73 1 0006603 INFEED CHUTE TOP PANEL 74 1 0001262 OUTER HINGE, INFEED CHUTE	72	1	0004875	VARIABLE FLOW CONTROL VALVE, 1/2 in NPT, 0-16 gal/min	
72.3 1 CPS-MBE051GR SET SCREW, CUP POINT, GR 45H, M6 X 1, 6 mm LG 73 1 0006603 INFEED CHUTE TOP PANEL 74 1 0001262 OUTER HINGE, INFEED CHUTE	72.1	1	0007518	LEVER ARM, VARIABLE FLOW CONTROL VALVE	
73 1 0006603 INFEED CHUTE TOP PANEL 74 1 0001262 OUTER HINGE, INFEED CHUTE	72.2	1	0007519	KNOB, MULTI-LOBE, 25 mm OD, M6 X 1, 20 mm LG	
74 1 0001262 OUTER HINGE, INFEED CHUTE	72.3	1	CPS-MBE051GR	SET SCREW, CUP POINT, GR 45H, M6 X 1, 6 mm LG	
· · · · · · · · · · · · · · · · · · ·	73	1	0006603	INFEED CHUTE TOP PANEL	
75 1 0006605 INFEED CHUTF LEFT SIDE PANEL	74	1	0001262	OUTER HINGE, INFEED CHUTE	
1 . 1 . 1 1	75	1	0006605	INFEED CHUTE LEFT SIDE PANEL	
76 1 0006607 INFEED CHUTE RIGHT SIDE PANEL	76	1	0006607		
77 1 0006499 INFEED CHUTE BOTTOM PANEL	77	1	0006499		



No. Part No. Part No. Description				IVIILEO	
1	Item	Qty	Part No.	Description	
80 2 0000888 CONTROL ARM SPACER 81 2 0001781 PLASTIC END CAP, ROUND, 38 mm DIA 82 1 0000821 LINKAGE ROO, CONTROL ARM, 780 mm LG 83 1 0004834 CLEVIS RIOL CAP, ROUND, 18 mm DIA, 24 mm USABLE LG, 30 mm LG 84 1 0004749 CLEVIS RIN, 10 mm DIA, 24 mm USABLE LG, 30 mm LG 85 1 0004760 COTTER PIN, 10 mm DIA, 24 mm USABLE LG, 30 mm LG 86 1 0004780 COTTER PIN, HAIRPIN, 10-16 mm CLEVIS, 30 mm WIRE DIA 87 1 0006488 ROD END BEARING, 10 mm, M10 X 1.5 FEM THD 88 1 0006468 UPPER FLYWHEEL HOUSING 88 1 0006468 UPPER FLYWHEEL HOUSING 89 1 0001172 DISCHARGE CHUTE NOZZILE, 281.5 mm DIA 99 1 0001172 DISCHARGE CHUTE NOZZILE, 281.5 mm DIA 90 1 0002190 DISCHARGE CHUTE NOTATION HANDLE, 170 mm C-C 91 2 0002191 DISCHARGE CHUTE ROTATION HANDLE, 170 mm C-C 93 2 0001718 DISCHARGE CHUTE ROTATION HANDLE, 170 mm C-C 94 1 0002200 DISCHARGE CHUTE DEFLECTOR 95 1 0001786 HANDLE, ADJUSTABLE POS, 78 X 54 mm, M10 X 1.5 FEM THD 96 1 0001786 MANUAL TUBE 97 10 0005124 FITTING, LEDWY, 997, 124 PM TO 7/8-14 (2M) 98 1 0004911 FITTING, TEE, 1/2 MP TT 07/8-14 (2M) 99 1 00050397 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 350 mm LG 101 3 0003297 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 500 mm LG 101 3 0003303 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 500 mm LG 104 1 0003303 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 500 mm LG 104 1 00030303 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 500 mm LG 104 1 00030303 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 500 mm LG 104 1 00030303 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 500 mm LG 104 1 00030303 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 500 mm LG 104 1 00030303 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 500 mm LG 104 1 00030303 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 1450 mm LG	78	1	0006895	ROUND EDGE BAR, INFEED CHUTE	
81 2 0001781	79	1	0006896	CONTROL ARM, INFEED ROLLER	
82	80	2	0006898	CONTROL ARM SPACER	
83	81	2	0001781	PLASTIC END CAP, ROUND, 38 mm DIA	
84	82	1	0006621	LINKAGE ROD, CONTROL ARM, 760 mm LG	
85	83	1	0004834	CLEVIS ROD END, M10 X 1.5 THD, 10 mm ID, 10 mm JAW OPENING	
86 1 0006488 ROD END BEARING, 10 mm, M10 X 1.5 FEM THD 87 1 0006456 UPPER FLYWHEEL HOUSING 88 1 0001172 DISCHARGE CHUTE NOZZIE, 281.5 mm DIA 99 1 0002190 DISCHARGE CHUTE LOCK PIN ASSEMBLY, 12 mm DIA 90 1 0002191 DISCHARGE CHUTE 91 2 0001718 DISCHARGE CHUTE ROTATION HANDLE, 170 mm C-C 93 2 0001030 HANDLE GRIP, GROOVED, 26 mm ID, 108 mm LG 94 1 0002200 DISCHARGE CHUTE DEFLECTOR 95 1 0001786 HANDLE, ADJUSTABLE POS, 78 X 54 mm, M10 X 1.5 FEM THD 96 1 0001655 MANUAL TUBE 97 10 0005124 FITTING, ADAPTER, 1/2 in NPT MALE TO 7/8-14 UNF MALE 98 1 0005115 FITTING, TEE, 1/2 NPT TO 7/8-14 (ZX) 99 1 0005115 FITTING, ELBOW, 90°, 1/2 NPT TO 7/8-14 UX 101 3 0003297 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 500 mm LG 102 1 0003303 HYDRAULIC HOSE ASSEMBLY, S	84	1	0004749	CLEVIS PIN, 10 mm DIA, 24 mm USABLE LG, 30 mm LG	
1	85	1	0004760	COTTER PIN, HAIRPIN, 10-16 mm CLEVIS, 3 mm WIRE DIA	
88	86	1	0004888	ROD END BEARING, 10 mm, M10 X 1.5 FEM THD	
89	87	1	0006458	UPPER FLYWHEEL HOUSING	
90	88	1	0006465	DISCHARGE CHUTE NOZZLE, 281.5 mm DIA	
91	89	1	0001172	DISCHARGE CHUTE LOCK PIN ASSEMBLY, 12 mm DIA	
92	90	1	0002190	DISCHARGE CHUTE	
93 2 0001030	91	2	0002191	DISCHARGE CHUTE RETAINER PLATE, 281.5 mm DIA	
94	92	2	0001718	DISCHARGE CHUTE ROTATION HANDLE, 170 mm C-C	
95	93	2	0001030	HANDLE GRIP, GROOVED, 26 mm ID, 108 mm LG	
96 1 0001655 MANUAL TUBE 97 10 0005124 FITTING, ADAPTER, 1/2 in NPT MALE TO 7/8-14 UNF MALE 98 1 0004911 FITTING, TEE, 1/2 NPT TO 7/8-14 (2X) 99 1 0005115 FITTING, ELBOW, 90°, 1/2 NPT TO 7/8-14 THD 100 2 0003297 HYDPAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 350 mm LG 101 3 0003298 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 500 mm LG 102 1 0003300 HYDPAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 600 mm LG 103 1 0003303 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 600 mm LG 104 1 0001761 PTO SHAFT W/ SHEAR BOLT, TRIMMABLE, 31-38 in (790-973 mm) 104.1 1 0003069 COVER/RETAINING CLIP KIT, PTO SHAFT W/ SHEAR BOLT 104.2 1 0003073 RETAINING CLIP KIT, PTO SHAFT W/ SHEAR BOLT 104.3 1 0007511 SPRING PIN KIT, PTO SHAFT W/ SHEAR BOLT 104.4 1 HHB-MBJ105PCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 50 mm LG, 22 mm LG THD 104.5 1 HLN-MBJCH LOCK NUT, CLS 8, M8 X 1.25 105 4 BX53 V-BELT, COGGED, BX53 106 2 6003-2RS BALL BEARING, SEALED, 17 mm SFT, 35 mm HSG, 10 mm WD 107 1 6205-2RS BALL BEARING, SEALED, 25 mm SFT, 52 mm HSG, 15 mm WD 108 1 UCF207 FLANGE BEARING, SQ. 4-BOLT, 35 mm SFT, 92 mm C-C 110 2 UCF210 FLANGE BEARING, SQ. 4-BOLT, 30 mm SFT, 102 mm C-C 111 1 UCFL204 FLANGE BEARING, SQ. 4-BOLT, 20 mm SFT, 90 mm C-C 111 1 HB-MBB-059FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1, 25 mm LG, FULL 111 4 HHB-MBE059FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1, 10 mm LG, FULL 111 4 HHB-MBE059FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1, 10 mm LG, FULL 111 4 HHB-MBE059FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1, 10 mm LG, FULL 111 6 HHB-MBD071FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1, 25 mm LG, FULL 111 6 HHB-MBD075FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1, 25, 50 mm LG, FULL 111 6 HHB-MBD075FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1, 25, 50 mm LG, FULL 111 6 HHB-MBJ087FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1, 25, 50 mm LG, FULL 111 6 HHB-MBJ087FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1, 25, 50 mm LG, FULL 111 6 HHB-MBJ087FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1, 25, 50 mm LG, FULL 111 6 HHB-MBJ080FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1, 25, 50 mm LG, FULL	94	1	0002200	DISCHARGE CHUTE DEFLECTOR	
97 10 0005124 FITTING, ADAPTER, 1/2 in NPT MALE TO 7/8-14 UNF MALE 98 1 0004911 FITTING, TEE, 1/2 NPT TO 7/8-14 (2X) 99 1 0005115 FITTING, ELBOW, 90°, 1/2 NPT TO 7/8-14 THD 100 2 0003297 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 350 mm LG 101 3 0003298 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 500 mm LG 102 1 0003300 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 600 mm LG 103 1 0003303 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 1450 mm LG 104 1 0001761 PTO SHAFT W/ SHEAR BOLT, TRIMMABLE, 31-38 in (790-973 mm) 104.1 1 0003069 COVER/RETAINING CLIP KIT, PTO SHAFT W/ SHEAR BOLT 104.2 1 0003073 RETAINING CLIP KIT, PTO SHAFT W/ SHEAR BOLT 104.3 1 0007511 SPRING PIN KIT, PTO SHAFT W/ SHEAR BOLT 104.4 1 HHB-MBJ105PCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 50 mm LG, 22 mm LG THD 104.5 1 HLN-MBJCH LOCK NUT, CLS 8, M8 X 1.25 105 4 BX53 V-BELT, COGGED, BX53 106 2 6003-2RS BALL BEARING, SEALED, 17 mm SFT, 35 mm HSG, 10 mm WD 107 1 6205-2RS BALL BEARING, SEALED, 25 mm SFT, 52 mm HSG, 15 mm WD 108 1 UCF207 FLANGE BEARING, SQ. 4-BOLT, 35 mm SFT, 92 mm C-C 109 1 UCF208 FLANGE BEARING, SQ. 4-BOLT, 50 mm SFT, 102 mm C-C 110 2 UCF210 FLANGE BEARING, SQ. 4-BOLT, 50 mm SFT, 102 mm C-C 111 1 UCFL204 FLANGE BEARING, SQ. 4-BOLT, 20 mm SFT, 111 mm C-C 111 1 HB-MBD6059FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 10 mm LG, FULL 111 4 HHB-MBE065FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 10 mm LG, FULL 111 4 HHB-MBE065FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 111 6 HHB-MBJ071FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 111 6 HHB-MBJ071FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 25, 30 mm LG, FULL 111 6 HHB-MBJ071FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 20 mm LG, FULL 111 6 HHB-MBJ071FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL 111 6 HHB-MBJ080FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL 110 6 HHB-MBJ080FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL	95	1	0001786	HANDLE, ADJUSTABLE POS, 78 X 54 mm, M10 X 1.5 FEM THD	
98 1 0004911 FITTING, TEE, 1/2 NPT TO 7/8-14 (2X) 99 1 0005115 FITTING, ELBOW, 90°, 1/2 NPT TO 7/8-14 THD 100 2 0003297 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 350 mm LG 101 3 0003298 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 500 mm LG 102 1 0003300 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 500 mm LG 103 1 0003303 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 600 mm LG 104 1 0001761 PTO SHAFT W/ SHEAR BOLT, TRIMMABLE, 31-38 in (790-973 mm) 104.1 1 0003069 COVER/RETAINING CLIP KIT, PTO SHAFT W/ SHEAR BOLT 104.2 1 0003073 RETAINING CLIP KIT, PTO SHAFT W/ SHEAR BOLT 104.3 1 0007511 SPRING PIN KIT, PTO SHAFT W/ SHEAR BOLT 104.4 1 HHB-MBJ105PCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 50 mm LG, 22 mm LG THD 104.5 1 HLN-MBJCH LOCK NUT, CLS 8, M8 X 1.25 105 4 BXS3 V-BELT, COGGED, BXS3 106 2 6003-2RS BALL BEARING, SEALED, 17 mm SFT, 35 mm HSG, 10 mm WD 107 1 6205-2RS BALL BEARING, SEALED, 25 mm SFT, 52 mm HSG, 15 mm WD 108 1 UCF207 FLANGE BEARING, SQ, 4-BOLT, 50 mm SFT, 102 mm C-C 110 2 UCF210 FLANGE BEARING, SQ, 4-BOLT, 50 mm SFT, 102 mm C-C 111 1 UCFL204 FLANGE BEARING, SQ, 4-BOLT, 50 mm SFT, 90 mm C-C 111 1 UCFL204 FLANGE BEARING, SQ, 4-BOLT, 50 mm SFT, 90 mm C-C 111 1 UCFL204 FLANGE BEARING, SQ, 4-BOLT, 50 mm SFT, 90 mm C-C 111 1 UCFL204 FLANGE BEARING, SQ, 4-BOLT, 50 mm SFT, 90 mm C-C 111 1 UCFL204 FLANGE BEARING, SQ, 4-BOLT, 50 mm SFT, 90 mm C-C 111 1 UCFL204 FLANGE BEARING, SQ, 4-BOLT, 50 mm SFT, 90 mm C-C 111 1 HHB-MBE059FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 111 4 HHB-MBE063FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 111 4 HHB-MBE075FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 111 6 HHB-MBJ075FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 20 mm LG, FULL 117 6 HHB-MBJ075FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 20 mm LG, FULL 117 6 HHB-MBJ08FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL 119 4 HHB-MBJ08FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL 110 6 HHB-MBJ08FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL	96	1	0001655	MANUAL TUBE	
99 1 0005115 FITTING, ELBOW, 90°, 1/2 NPT TO 7/8-14 THD 100 2 0003297 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 350 mm LG 101 3 0003298 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 500 mm LG 102 1 0003300 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 600 mm LG 103 1 0003303 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 600 mm LG 104 1 0001761 PTO SHAFT W/ SHEAR BOLT, TRIMMABLE, 31-38 in (790-973 mm) 104.1 1 0003069 COVER/RETAINING CLIP KIT, PTO SHAFT W/ SHEAR BOLT 104.2 1 0003073 RETAINING CLIP KIT, PTO SHAFT W/ SHEAR BOLT 104.3 1 0007511 SPRING PIN KIT, PTO SHAFT W/ SHEAR BOLT 104.4 1 HHB-MBJ105PCJ HX HEAD BOLT, CLS 8, M8 X 1.25, 50 mm LG, 22 mm LG THD 104.5 1 HLN-MBJCH LOCK NUT, CLS 8, M8 X 1.25 105 4 BXS3 V-BELT, COGGED, BXS3 106 2 6003-2RS BALL BEARING, SEALED, 17 mm SFT, 35 mm HSG, 10 mm WD 107 1 6205-2RS BALL BEARING, SEALED, 25 mm SFT, 52 mm HSG, 15 mm WD 108 1 UCF207 FLANGE BEARING, SQ, 4-BOLT, 40 mm SFT, 102 mm C-C 110 2 UCF210 FLANGE BEARING, SQ, 4-BOLT, 20 mm SFT, 90 mm C-C 111 1 UCFL204 FLANGE BEARING, SQ, 4-BOLT, 20 mm SFT, 90 mm C-C 111 1 UCFL204 FLANGE BEARING, SQ, 4-BOLT, 20 mm SFT, 90 mm C-C 112 3 HHB-MBE059FCJ HEX HEAD BOLT, CLS 8, M6 X 1, 10 mm LG, FULL 113 4 HHB-MBE03FCJ HEX HEAD BOLT, CLS 8, M6 X 1, 10 mm LG, FULL 114 4 HHB-MBE015FCJ HEX HEAD BOLT, CLS 8, M6 X 1, 20 mm LG, 18 mm LG THD 116 6 HHB-MBJ071FCJ HX HEAD BOLT, CLS 8, M8 X 1.25, 20 mm LG, FULL 117 6 HHB-MBJ071FCJ HX HEAD BOLT, CLS 8, M8 X 1.25, 20 mm LG, FULL 119 4 HHB-MBJ08FCJ HEX HEAD BOLT, CLS 8, M8 X 1.25, 20 mm LG, FULL 119 4 HHB-MBJ08FCJ HEX HEAD BOLT, CLS 8, M8 X 1.25, 25 mm LG, FULL 119 4 HHB-MBJ08FCJ HEX HEAD BOLT, CLS 8, M8 X 1.25, 20 mm LG, FULL 119 6 HHB-MBJ08FCJ HEX HEAD BOLT, CLS 8, M8 X 1.25, 20 mm LG, FULL 119 6 HHB-MBJ08FCJ HEX HEAD BOLT, CLS 8, M8 X 1.25, 25 mm LG, FULL	97	10	0005124	FITTING, ADAPTER, 1/2 in NPT MALE TO 7/8-14 UNF MALE	
100	98	1	0004911	FITTING, TEE, 1/2 NPT TO 7/8-14 (2X)	
101 3	99	1	0005115	FITTING, ELBOW, 90°, 1/2 NPT TO 7/8-14 THD	
102 1 0003300 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 600 mm LG 103 1 0003303 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 1450 mm LG 104 1 0001761 PTO SHAFT W/ SHEAR BOLT, TRIMMABLE, 31-38 in (790-973 mm) 104.1 1 0003069 COVER/RETAINING CLIP KIT, PTO SHAFT W/ SHEAR BOLT 104.2 1 0003073 RETAINING CLIP KIT, PTO SHAFT W/ SHEAR BOLT 104.3 1 0007511 SPRING PIN KIT, PTO SHAFT W/ SHEAR BOLT 104.4 1 HHB-MBJ105PCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 50 mm LG, 22 mm LG THD 104.5 1 HLN-MBJCH LOCK NUT, CLS 8, M8 X 1.25 105 4 BX53 V-BELT, COGGED, BX53 106 2 6003-2RS BALL BEARING, SEALED, 17 mm SFT, 35 mm HSG, 10 mm WD 107 1 6205-2RS BALL BEARING, SEALED, 25 mm SFT, 52 mm HSG, 15 mm WD 108 1 UCF207 FLANGE BEARING, SQ, 4-BOLT, 35 mm SFT, 92 mm C-C 109 1 UCF208 FLANGE BEARING, SQ, 4-BOLT, 50 mm SFT, 102 mm C-C 110 2 UCF210 FLANGE BEARIN	100	2	0003297	HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 350 mm LG	
103 1 0003303 HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 1450 mm LG 104 1 0001761 PTO SHAFT W/ SHEAR BOLT, TRIMMABLE, 31-38 in (790-973 mm) 104.1 1 0003069 COVER/RETAINING CLIP KIT, PTO SHAFT W/ SHEAR BOLT 104.2 1 0003073 RETAINING CLIP KIT, PTO SHAFT W/ SHEAR BOLT 104.3 1 0007511 SPRING PIN KIT, PTO SHAFT W/ SHEAR BOLT 104.4 1 HHB-MBJ105PCJ HEX HEAD BOLT, CLS 8, M8 X 1.25, 50 mm LG, 22 mm LG THD 104.5 1 HLN-MBJCH LOCK NUT, CLS 8, M8 X 1.25 105 4 BX53 V-BELT, COGGED, BX53 106 2 6003-2RS BALL BEARING, SEALED, 25 mm SFT, 35 mm HSG, 10 mm WD 107 1 6205-2RS BALL BEARING, SEALED, 25 mm SFT, 52 mm HSG, 15 mm WD 108 1 UCF207 FLANGE BEARING, SQ, 4-BOLT, 35 mm SFT, 92 mm C-C 109 1 UCF208 FLANGE BEARING, SQ, 4-BOLT, 40 mm SFT, 102 mm C-C 110 2 UCF210 FLANGE BEARING, OVAL, 2-BOLT, 20 mm SFT, 90 mm C-C 111 1 UCFL204 FLANGE BEARING, OVAL,	101	3	0003298	HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 500 mm LG	
104 1 0001761 PTO SHAFT W/ SHEAR BOLT, TRIMMABLE, 31-38 in (790-973 mm) 104.1 1 0003069 COVER/RETAINING CLIP KIT, PTO SHAFT W/ SHEAR BOLT 104.2 1 0003073 RETAINING CLIP KIT, PTO SHAFT W/ SHEAR BOLT 104.3 1 0007511 SPRING PIN KIT, PTO SHAFT W/ SHEAR BOLT 104.4 1 HHB-MBJ105PCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 50 mm LG, 22 mm LG THD 104.5 1 HLN-MBJCH LOCK NUT, CLS 8, M8 X 1.25 105 4 BX53 V-BELT, COGGED, BX53 106 2 6003-2RS BALL BEARING, SEALED, 17 mm SFT, 35 mm HSG, 10 mm WD 107 1 6205-2RS BALL BEARING, SQ, 4-BOLT, 35 mm SFT, 52 mm HSG, 15 mm WD 108 1 UCF207 FLANGE BEARING, SQ, 4-BOLT, 35 mm SFT, 92 mm C-C 109 1 UCF208 FLANGE BEARING, SQ, 4-BOLT, 50 mm SFT, 11m mm C-C 111 1 UCF210 FLANGE BEARING, OVAL, 2-BOLT, 50 mm SFT, 90 mm C-C 111 1 UCF204 FLANGE BEARING, OVAL, 2-BOLT, 50 mm SFT, 90 mm C-C 1112 3 HHB-MBE059FCJ HEX HEAD BOLT, C	102	1	0003300		
104.1 1 0003069 COVER/RETAINING CLIP KIT, PTO SHAFT W/ SHEAR BOLT 104.2 1 0003073 RETAINING CLIP KIT, PTO SHAFT W/ SHEAR BOLT 104.3 1 0007511 SPRING PIN KIT, PTO SHAFT W/ SHEAR BOLT 104.4 1 HHB-MBJ105PCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 50 mm LG, 22 mm LG THD 104.5 1 HLN-MBJCH LOCK NUT, CLS 8, M8 X 1.25 105 4 BX53 V-BELT, COGGED, BX53 106 2 6003-2RS BALL BEARING, SEALED, 17 mm SFT, 35 mm HSG, 10 mm WD 107 1 6205-2RS BALL BEARING, SEALED, 25 mm SFT, 52 mm HSG, 15 mm WD 108 1 UCF207 FLANGE BEARING, SQ, 4-BOLT, 35 mm SFT, 92 mm C-C 109 1 UCF208 FLANGE BEARING, SQ, 4-BOLT, 40 mm SFT, 102 mm C-C 110 2 UCF210 FLANGE BEARING, SQ, 4-BOLT, 50 mm SFT, 90 mm C-C 111 1 UCFL204 FLANGE BEARING, OVAL, 2-BOLT, 20 mm SFT, 90 mm C-C 112 3 HHB-MBE059FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 10 mm LG, FULL 113 4 HHB-MBE063FCJ HEX HEAD BOLT, CLS 8.8, M6	103	1	0003303	HYDRAULIC HOSE ASSEMBLY, STR AND ELB FITTINGS, 1450 mm LG	
104.2 1 0003073 RETAINING CLIP KIT, PTO SHAFT W/ SHEAR BOLT 104.3 1 0007511 SPRING PIN KIT, PTO SHAFT W/ SHEAR BOLT 104.4 1 HHB-MBJ105PCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 50 mm LG, 22 mm LG THD 104.5 1 HLN-MBJCH LOCK NUT, CLS 8, M8 X 1.25 105 4 BX53 V-BELT, COGGED, BX53 106 2 6003-2RS BALL BEARING, SEALED, 17 mm SFT, 35 mm HSG, 10 mm WD 107 1 6205-2RS BALL BEARING, SEALED, 25 mm SFT, 52 mm HSG, 15 mm WD 108 1 UCF207 FLANGE BEARING, SQ, 4-BOLT, 35 mm SFT, 92 mm C-C 109 1 UCF208 FLANGE BEARING, SQ, 4-BOLT, 40 mm SFT, 102 mm C-C 110 2 UCF210 FLANGE BEARING, OVAL, 2-BOLT, 20 mm SFT, 90 mm C-C 111 1 UCFL204 FLANGE BEARING, OVAL, 2-BOLT, 20 mm SFT, 90 mm C-C 112 3 HHB-MBE059FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 10 mm LG, FULL 113 4 HHB-MBE063FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 114 4 HHB-MBE015PCJ HEX HEAD BOLT, CLS 8.8,	104	1	0001761	PTO SHAFT W/ SHEAR BOLT, TRIMMABLE, 31-38 in (790-973 mm)	
104.3 1 0007511 SPRING PIN KIT, PTO SHAFT W/ SHEAR BOLT 104.4 1 HHB-MBJ105PCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 50 mm LG, 22 mm LG THD 104.5 1 HLN-MBJCH LOCK NUT, CLS 8, M8 X 1.25 105 4 BX53 V-BELT, COGGED, BX53 106 2 6003-2RS BALL BEARING, SEALED, 17 mm SFT, 35 mm HSG, 10 mm WD 107 1 6205-2RS BALL BEARING, SEALED, 25 mm SFT, 52 mm HSG, 15 mm WD 108 1 UCF207 FLANGE BEARING, SQ, 4-BOLT, 35 mm SFT, 92 mm C-C 109 1 UCF208 FLANGE BEARING, SQ, 4-BOLT, 40 mm SFT, 102 mm C-C 110 2 UCF210 FLANGE BEARING, OVAL, 2-BOLT, 50 mm SFT, 111 mm C-C 111 1 UCFL204 FLANGE BEARING, OVAL, 2-BOLT, 20 mm SFT, 90 mm C-C 112 3 HHB-MBE059FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 10 mm LG, FULL 113 4 HHB-MBE063FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 114 4 HHB-MBE075FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 115 2 HHB-MBE075FCJ HEX HEAD BOLT, C	104.1	1	0003069	COVER/RETAINING CLIP KIT, PTO SHAFT W/ SHEAR BOLT	
104.4 1 HHB-MBJ105PCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 50 mm LG, 22 mm LG THD 104.5 1 HLN-MBJCH LOCK NUT, CLS 8, M8 X 1.25 105 4 BX53 V-BELT, COGGED, BX53 106 2 6003-2RS BALL BEARING, SEALED, 17 mm SFT, 35 mm HSG, 10 mm WD 107 1 6205-2RS BALL BEARING, SEALED, 25 mm SFT, 52 mm HSG, 15 mm WD 108 1 UCF207 FLANGE BEARING, SQ, 4-BOLT, 35 mm SFT, 92 mm C-C 109 1 UCF208 FLANGE BEARING, SQ, 4-BOLT, 40 mm SFT, 102 mm C-C 110 2 UCF210 FLANGE BEARING, SQ, 4-BOLT, 50 mm SFT, 111 mm C-C 111 1 UCFL204 FLANGE BEARING, OVAL, 2-BOLT, 20 mm SFT, 90 mm C-C 112 3 HHB-MBE059FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 10 mm LG, FULL 113 4 HHB-MBE063FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 114 4 HHB-MBE075FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 16 mm LG, FULL 115 2 HHB-MBJ071FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 20 mm LG, FULL 117 6 HHB-MBJ085FCJ H	104.2	1	0003073	RETAINING CLIP KIT, PTO SHAFT W/ SHEAR BOLT	
104.5 1 HLN-MBJCH LOCK NUT, CLS 8, M8 X 1.25 105 4 BX53 V-BELT, COGGED, BX53 106 2 6003-2RS BALL BEARING, SEALED, 17 mm SFT, 35 mm HSG, 10 mm WD 107 1 6205-2RS BALL BEARING, SEALED, 25 mm SFT, 52 mm HSG, 15 mm WD 108 1 UCF207 FLANGE BEARING, SQ, 4-BOLT, 35 mm SFT, 92 mm C-C 109 1 UCF208 FLANGE BEARING, SQ, 4-BOLT, 40 mm SFT, 102 mm C-C 110 2 UCF210 FLANGE BEARING, SQ, 4-BOLT, 50 mm SFT, 102 mm C-C 111 1 UCF204 FLANGE BEARING, OVAL, 2-BOLT, 20 mm SFT, 90 mm C-C 112 3 HHB-MBE059FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 10 mm LG, FULL 113 4 HHB-MBE063FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 12 mm LG, FULL 114 4 HHB-MBE075FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 115 2 HHB-MBE115PCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 60 mm LG, 18 mm LG THD 116 6 HHB-MBJ071FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 16 mm LG, FULL 117 6 HHB-MBJ085FCJ HEX HEAD B	104.3	1	0007511	SPRING PIN KIT, PTO SHAFT W/ SHEAR BOLT	
105 4 BX53 V-BELT, COGGED, BX53 106 2 6003-2RS BALL BEARING, SEALED, 17 mm SFT, 35 mm HSG, 10 mm WD 107 1 6205-2RS BALL BEARING, SEALED, 25 mm SFT, 52 mm HSG, 15 mm WD 108 1 UCF207 FLANGE BEARING, SQ, 4-BOLT, 35 mm SFT, 92 mm C-C 109 1 UCF208 FLANGE BEARING, SQ, 4-BOLT, 40 mm SFT, 102 mm C-C 110 2 UCF210 FLANGE BEARING, OVAL, 2-BOLT, 50 mm SFT, 111 mm C-C 111 1 UCFL204 FLANGE BEARING, OVAL, 2-BOLT, 20 mm SFT, 90 mm C-C 112 3 HHB-MBE059FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 10 mm LG, FULL 113 4 HHB-MBE063FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 114 4 HHB-MBE075FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, 18 mm LG THD 116 6 HHB-MBJ071FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 16 mm LG, FULL 117 6 HHB-MBJ080FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 20 mm LG, FULL 118 5 HHB-MBJ080FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL 119 4 HHB-MBJ080	104.4	1	HHB-MBJ105PCJ	HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 50 mm LG, 22 mm LG THD	
106 2 6003-2RS BALL BEARING, SEALED, 17 mm SFT, 35 mm HSG, 10 mm WD 107 1 6205-2RS BALL BEARING, SEALED, 25 mm SFT, 52 mm HSG, 15 mm WD 108 1 UCF207 FLANGE BEARING, SQ, 4-BOLT, 35 mm SFT, 92 mm C-C 109 1 UCF208 FLANGE BEARING, SQ, 4-BOLT, 40 mm SFT, 102 mm C-C 110 2 UCF210 FLANGE BEARING, SQ, 4-BOLT, 50 mm SFT, 111 mm C-C 111 1 UCFL204 FLANGE BEARING, OVAL, 2-BOLT, 20 mm SFT, 90 mm C-C 112 3 HHB-MBE059FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 10 mm LG, FULL 113 4 HHB-MBE063FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 12 mm LG, FULL 114 4 HHB-MBE075FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 115 2 HHB-MBJ071FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 16 mm LG, FULL 117 6 HHB-MBJ075FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 20 mm LG, FULL 118 5 HHB-MBJ080FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL 119 4 HHB-MBJ080FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL 120 6	104.5	1	HLN-MBJCH	LOCK NUT, CLS 8, M8 X 1.25	
107 1 6205-2RS BALL BEARING, SEALED, 25 mm SFT, 52 mm HSG, 15 mm WD 108 1 UCF207 FLANGE BEARING, SQ, 4-BOLT, 35 mm SFT, 92 mm C-C 109 1 UCF208 FLANGE BEARING, SQ, 4-BOLT, 40 mm SFT, 102 mm C-C 110 2 UCF210 FLANGE BEARING, SQ, 4-BOLT, 50 mm SFT, 111 mm C-C 111 1 UCFL204 FLANGE BEARING, OVAL, 2-BOLT, 20 mm SFT, 90 mm C-C 112 3 HHB-MBE059FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 10 mm LG, FULL 113 4 HHB-MBE063FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 114 4 HHB-MBE075FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 115 2 HHB-MBE115PCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 16 mm LG, FULL 116 6 HHB-MBJ071FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 20 mm LG, FULL 117 6 HHB-MBJ080FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 25 mm LG, FULL 119 4 HHB-MBJ085FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 35 mm LG, FULL 120 6 HHB-MBJ090FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 35 mm LG, FULL	105	4	BX53	V-BELT, COGGED, BX53	
107 1 6205-2RS BALL BEARING, SEALED, 25 mm SFT, 52 mm HSG, 15 mm WD 108 1 UCF207 FLANGE BEARING, SQ, 4-BOLT, 35 mm SFT, 92 mm C-C 109 1 UCF208 FLANGE BEARING, SQ, 4-BOLT, 40 mm SFT, 102 mm C-C 110 2 UCF210 FLANGE BEARING, SQ, 4-BOLT, 50 mm SFT, 111 mm C-C 111 1 UCFL204 FLANGE BEARING, OVAL, 2-BOLT, 20 mm SFT, 90 mm C-C 112 3 HHB-MBE059FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 10 mm LG, FULL 113 4 HHB-MBE063FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 114 4 HHB-MBE075FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 115 2 HHB-MBE115PCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 16 mm LG, FULL 116 6 HHB-MBJ071FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 20 mm LG, FULL 117 6 HHB-MBJ080FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 25 mm LG, FULL 119 4 HHB-MBJ085FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 35 mm LG, FULL 120 6 HHB-MBJ090FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 35 mm LG, FULL	106	2	6003-2RS	BALL BEARING, SEALED, 17 mm SFT, 35 mm HSG, 10 mm WD	
109 1 UCF208 FLANGE BEARING, SQ, 4-BOLT, 40 mm SFT, 102 mm C-C 110 2 UCF210 FLANGE BEARING, SQ, 4-BOLT, 50 mm SFT, 111 mm C-C 111 1 UCFL204 FLANGE BEARING, OVAL, 2-BOLT, 20 mm SFT, 90 mm C-C 112 3 HHB-MBE059FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 10 mm LG, FULL 113 4 HHB-MBE063FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 114 4 HHB-MBE075FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 60 mm LG, 18 mm LG THD 116 6 HHB-MBJ071FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 16 mm LG, FULL 117 6 HHB-MBJ075FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 20 mm LG, FULL 118 5 HHB-MBJ080FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL 119 4 HHB-MBJ085FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL 120 6 HHB-MBJ090FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 35 mm LG, FULL	107	1	6205-2RS		
110 2 UCF210 FLANGE BEARING, SQ, 4-BOLT, 50 mm SFT, 111 mm C-C 111 1 UCFL204 FLANGE BEARING, OVAL, 2-BOLT, 20 mm SFT, 90 mm C-C 112 3 HHB-MBE059FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 10 mm LG, FULL 113 4 HHB-MBE063FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 12 mm LG, FULL 114 4 HHB-MBE075FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 115 2 HHB-MBJ071FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 16 mm LG, FULL 116 6 HHB-MBJ071FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 20 mm LG, FULL 117 6 HHB-MBJ080FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 25 mm LG, FULL 118 5 HHB-MBJ080FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL 119 4 HHB-MBJ090FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 35 mm LG, FULL 120 6 HHB-MBJ090FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 35 mm LG, FULL	108	1	UCF207	FLANGE BEARING, SQ, 4-BOLT, 35 mm SFT, 92 mm C-C	
111 1 UCFL204 FLANGE BEARING, OVAL, 2-BOLT, 20 mm SFT, 90 mm C-C 112 3 HHB-MBE059FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 10 mm LG, FULL 113 4 HHB-MBE063FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 114 4 HHB-MBE075FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, 18 mm LG THD 115 2 HHB-MBJ071FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 16 mm LG, FULL 117 6 HHB-MBJ075FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 20 mm LG, FULL 118 5 HHB-MBJ080FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 25 mm LG, FULL 119 4 HHB-MBJ085FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL 120 6 HHB-MBJ090FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 35 mm LG, FULL	109	1	UCF208	FLANGE BEARING, SQ, 4-BOLT, 40 mm SFT, 102 mm C-C	
112 3 HHB-MBE059FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 10 mm LG, FULL 113 4 HHB-MBE063FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 12 mm LG, FULL 114 4 HHB-MBE075FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 115 2 HHB-MBE115PCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 60 mm LG, 18 mm LG THD 116 6 HHB-MBJ071FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 16 mm LG, FULL 117 6 HHB-MBJ075FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 20 mm LG, FULL 118 5 HHB-MBJ080FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 25 mm LG, FULL 119 4 HHB-MBJ085FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL 120 6 HHB-MBJ090FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 35 mm LG, FULL	110	2	UCF210	FLANGE BEARING, SQ, 4-BOLT, 50 mm SFT, 111 mm C-C	
113 4 HHB-MBE063FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 12 mm LG, FULL 114 4 HHB-MBE075FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 115 2 HHB-MBE115PCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 60 mm LG, 18 mm LG THD 116 6 HHB-MBJ071FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 16 mm LG, FULL 117 6 HHB-MBJ075FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 20 mm LG, FULL 118 5 HHB-MBJ080FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 25 mm LG, FULL 119 4 HHB-MBJ085FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL 120 6 HHB-MBJ090FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 35 mm LG, FULL	111	1	UCFL204	FLANGE BEARING, OVAL, 2-BOLT, 20 mm SFT, 90 mm C-C	
114 4 HHB-MBE075FCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL 115 2 HHB-MBE115PCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 60 mm LG, 18 mm LG THD 116 6 HHB-MBJ071FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 16 mm LG, FULL 117 6 HHB-MBJ075FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 20 mm LG, FULL 118 5 HHB-MBJ080FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 25 mm LG, FULL 119 4 HHB-MBJ085FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL 120 6 HHB-MBJ090FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 35 mm LG, FULL	112	3	HHB-MBE059FCJ	HEX HEAD BOLT, CLS 8.8, M6 X 1, 10 mm LG, FULL	
115 2 HHB-MBE115PCJ HEX HEAD BOLT, CLS 8.8, M6 X 1, 60 mm LG, 18 mm LG THD 116 6 HHB-MBJ071FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 16 mm LG, FULL 117 6 HHB-MBJ075FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 20 mm LG, FULL 118 5 HHB-MBJ080FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 25 mm LG, FULL 119 4 HHB-MBJ085FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL 120 6 HHB-MBJ090FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 35 mm LG, FULL	113	4	HHB-MBE063FCJ	HEX HEAD BOLT, CLS 8.8, M6 X 1, 12 mm LG, FULL	
116 6 HHB-MBJ071FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 16 mm LG, FULL 117 6 HHB-MBJ075FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 20 mm LG, FULL 118 5 HHB-MBJ080FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 25 mm LG, FULL 119 4 HHB-MBJ085FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL 120 6 HHB-MBJ090FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 35 mm LG, FULL	114	4	HHB-MBE075FCJ	HEX HEAD BOLT, CLS 8.8, M6 X 1, 20 mm LG, FULL	
117 6 HHB-MBJ075FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 20 mm LG, FULL 118 5 HHB-MBJ080FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 25 mm LG, FULL 119 4 HHB-MBJ085FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL 120 6 HHB-MBJ090FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 35 mm LG, FULL	115	2	HHB-MBE115PCJ	HEX HEAD BOLT, CLS 8.8, M6 X 1, 60 mm LG, 18 mm LG THD	
118 5 HHB-MBJ080FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 25 mm LG, FULL 119 4 HHB-MBJ085FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL 120 6 HHB-MBJ090FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 35 mm LG, FULL	116	6	HHB-MBJ071FCJ	HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 16 mm LG, FULL	
119 4 HHB-MBJ085FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL 120 6 HHB-MBJ090FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 35 mm LG, FULL	117	6	HHB-MBJ075FCJ	HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 20 mm LG, FULL	
120 6 HHB-MBJ090FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 35 mm LG, FULL	118	5	HHB-MBJ080FCJ	HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 25 mm LG, FULL	
	119	4	HHB-MBJ085FCJ	HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 30 mm LG, FULL	
121 1 HHB-MBJ100FCJ HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 45 mm LG, FULL	120	6	HHB-MBJ090FCJ	HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 35 mm LG, FULL	
	121	1	HHB-MBJ100FCJ	HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 45 mm LG, FULL	



Part No. Part No. Part No. HEX HEAD BOLT, CLS 8.8, MB X 1.25, 55 mm LG, 32 mm LG THD				IVIILLO
123	Item	Qty	Part No.	Description
125 2	122	2	HHB-MBJ110PCJ	HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 55 mm LG, 22 mm LG THD
125	123	5	HHB-MBM080FCJ	HEX HEAD BOLT, CLS 8.8, M10 X 1.5, 25 mm LG, FULL
126 2	124	3	HHB-MBM090FCJ	HEX HEAD BOLT, CLS 8.8, M10 X 1.5, 35 mm LG, FULL
127	125	2	HHB-MBM100FCJ	HEX HEAD BOLT, CLS 8.8, M10 X 1.5, 45 mm LG, FULL
128	126	2	HHB-MBR080FCJ	HEX HEAD BOLT, CLS 8.8, M12 X 1.75, 25 mm LG, FULL
129	127	2	HHB-MBR085FCJ	HEX HEAD BOLT, CLS 8.8, M12 X 1.75, 30 mm LG, FULL
130	128	8	HHB-MBR095FCJ	HEX HEAD BOLT, CLS 8.8, M12 X 1.75, 40 mm LG, FULL
131	129	2	HHB-MBR105FCJ	HEX HEAD BOLT, CLS 8.8, M12 X 1.75, 50 mm LG, FULL
132	130	1	HHB-MBR195PCJ	HEX HEAD BOLT, CLS 8.8, M12 X 1.75, 140 mm LG, 30 mm LG THD
133 2	131	1	HHB-MCA095FCJ	HEX HEAD BOLT, CLS 8.8, M16 X 2, 40 mm LG, FULL
134	132	4	HHB-MCA115PCJ	HEX HEAD BOLT, CLS 8.8, M16 X 2, 60 mm LG, 38 mm LG THD
135 19	133	2	HHB-MCA135PCJ	HEX HEAD BOLT, CLS 8.8, M16 X 2, 80 mm LG, 38 mm LG THD
136 2 BHS-MBR10SFCM BUTTON HEAD SCREW, CLS 10.9, M12 X 1.75, 50 mm LG, FULL	134	4	SNC-MBJ080FCJ	CARRIAGE BOLT, SQ NECK, CLS 8.8, M8 X 1.25, 25 mm LG, FULL
137 2 BHS-MBM115PCM BUTTON HEAD SCREW, CLS 10.9, M10 X 1.5, 60 mm LG, 32 mm LG THD 138	135	19	BHS-MBJ073FCM	BUTTON HEAD SCREW, CLS 10.9, M8 X 1.25, 18 mm LG, FULL
138	136	2	BHS-MBR105FCM	BUTTON HEAD SCREW, CLS 10.9, M12 X 1.75, 50 mm LG, FULL
139 3 PPH-MBA075FCE SCREW, PPH, CLS 4.8, M5 X 0.8, 20 mm LG, FULL 140 8 PPH-MBE059FCE SCREW, PPH, CLS 4.8, M6 X 1, 10 mm LG, FULL 141 4 PPH-MBE067FCE SCREW, PPH, CLS 4.8, M6 X 1, 14 mm LG, FULL 142 8 HFH-MBW095FCM SCREW, PPH, CLS 10.9, M10 X 1.5, 40 mm LG, FULL 143 8 HFH-MBW100FCM SCREW, HFH, CLS 10.9, M10 X 2, 45 mm LG, FULL 144 4 SHC-MBA067FCP SHCS, CLS 12.9, M5 X 0.8, 14 mm LG, FULL 145 4 SHC-MBE075FCP SHCS, CLS 12.9, M5 X 1.20 mm LG, FULL 146 4 SHC-MCA105FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL 147 2 HHS-MBM057069AJ SHLDR SCREW, HEX HEAD, ALLOY, 11 X 15 mm LG SHLDR, M10 X 1.5 X 20 mm LG THD 148 2 SHS-MBR063110CP SHLDR SCREW, SH, CLS 12.9, 16 X 55 mm LG SHLDR, M12 X 1.75 X 18 mm LG THD 149 4 KCS-MBE051GR SET SCREW, KNURLED CUP POINT, GR 45H, M6 X 1, 6 mm LG 150 4 KCS-MBK055GR SET SCREW, KNURLED CUP POINT, GR 45H, M6 X 1, 8 mm LG 151 4 KCS-MBN059GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 152 4 KCS-MBN059GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 153 4 FTW-MBA000AJ FLAT WASHER, M5 154 24 FTW-MBA000AJ FLAT WASHER, M5 155 3 FTW-MBM165AJ FLAT WASHER, M8 155 3 FTW-MBN000AJ FLAT WASHER, M12 157 6 FTW-MBR000AJ FLAT WASHER, M12 158 3 FTW-MBR000AJ FLAT WASHER, M12 159 24 FDW-MBN075000AJ FLAT WASHER, M12 150 4 FDW-MBN075000AJ FENDER WASHER, M10, 26 mm OD 160 1 FDW-MBN075000AJ FENDER WASHER, M10, 30 mm OD 161 2 FDW-MBN075000AJ FENDER WASHER, M10, 30 mm OD 162 4 FDW-MBR086000AJ FENDER WASHER, M10, 30 mm OD 164 4 SLW-MBAAJ SPLIT LOCK WASHER, M5 165 5 SLW-MBAAJ SPLIT LOCK WASHER, M6 166 7 SLW-MBAAJ SPLIT LOCK WASHER, M6 167 5 SLW-MBAAJ SPLIT LOCK WASHER, M10 168 2 SLW-MCAJ SPLIT LOCK WASHER, M10 169 SLW-MBAAJ SPLIT LOCK WASHER, M10 160 SLW-MBAAJ SPLIT LOCK WASHER, M10 161 SLW-MBA	137	2	BHS-MBM115PCM	BUTTON HEAD SCREW, CLS 10.9, M10 X 1.5, 60 mm LG, 32 mm LG THD
140	138	4	PPH-MBA067FCE	SCREW, PPH, CLS 4.8, M5 X 0.8, 14 mm LG, FULL
141 4 PPH-MBE067FCE SCREW, PPH, CLS 4.8, M6 X 1, 14 mm LG, FULL 142 8 HFH-MBM095FCM SCREW, HFH, CLS 10.9, M10 X 1.5, 40 mm LG, FULL 143 8 HFH-MBW100FCM SCREW, HFH, CLS 10.9, M14 X 2, 45 mm LG, FULL 144 4 SHC-MBA067FCP SHCS, CLS 12.9, M5 X 0.8, 14 mm LG, FULL 145 4 SHC-MBE075FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL 146 4 SHC-MCA105FCP SHCS, CLS 12.9, M16 X 2, 50 mm LG, FULL 147 2 HHS-MBM057069AJ SHLDR SCREW, HEX HEAD, ALLOY, 11 X 15 mm LG SHLDR, M10 X 1.5 X 20 mm LG 148 2 SHS-MBR063110CP SHLDR SCREW, KNURLED CUP POINT, GR 45H, M6 X 1, 6 mm LG 150 4 KCS-MBE051GR SET SCREW, KNURLED CUP POINT, GR 45H, M6 X 1, 8 mm LG 151 4 KCS-MBK055GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 151 4 KCS-MBN059GR SET SCREW, KNURLED CUP POINT, GR 45H, M6 X 1, 8 mm LG 152 4 KCS-MBN059GR SET SCREW, KNURLED CUP POINT, GR 45H, M6 X 1, 8 mm LG 153 4 FTW-MBA000AJ FLAT WASHER, M5 154	139	3	PPH-MBA075FCE	SCREW, PPH, CLS 4.8, M5 X 0.8, 20 mm LG, FULL
142 8 HFH-MBM095FCM SCREW, HFH, CLS 10.9, M10 X 1.5, 40 mm LG, FULL 143 8 HFH-MBW100FCM SCREW, HFH, CLS 10.9, M14 X 2, 45 mm LG, FULL 144 4 SHC-MBA067FCP SHCS, CLS 12.9, M5 X 0.8, 14 mm LG, FULL 145 4 SHC-MBE075FCP SHCS, CLS 12.9, M16 X 2, 50 mm LG, FULL 146 4 SHC-MCA105FCP SHCS, CLS 12.9, M16 X 2, 50 mm LG, FULL 147 2 HHS-MBM057069AJ SHLDR SCREW, HEX HEAD, ALLOY, 11 X 15 mm LG SHLDR, M10 X 1.5 X 20 mm LG THD 148 2 SHS-MBR063110CP SHLDR SCREW, HEX HEAD, ALLOY, 11 X 15 mm LG SHLDR, M10 X 1.5 X 20 mm LG THD 149 4 KCS-MBE051GR SET SCREW, KNURLED CUP POINT, GR 45H, M6 X 1, 6 mm LG 150 4 KCS-MBK055GR SET SCREW, KNURLED CUP POINT, GR 45H, M6 X 1, 8 mm LG 151 4 KCS-MBK059GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 152 4 KCS-MBA059GR SET SCREW, KNURLED CUP POINT, GR 45H, M6 X 1, 8 mm LG 153 4 FTW-MBA000AJ FLAT WASHER, M5 154 24 FTW-MBA000AJ FLAT WASHER, M5 156 <	140	8	PPH-MBE059FCE	SCREW, PPH, CLS 4.8, M6 X 1, 10 mm LG, FULL
143 8 HFH-MBW100FCM SCREW, HFH, CLS 10.9, M14 X 2, 45 mm LG, FULL 144 4 SHC-MBA067FCP SHCS, CLS 12.9, M5 X 0.8, 14 mm LG, FULL 145 4 SHC-MBE075FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL 146 4 SHC-MCA105FCP SHCS, CLS 12.9, M16 X 2, 50 mm LG, FULL 147 2 HHS-MBM057069AJ SHLDR SCREW, HEX HEAD, ALLOY, 11 X 15 mm LG SHLDR, M10 X 1.5 X 20 mm LG THD 148 2 SHS-MBR063110CP SHLDR SCREW, SH, CLS 12.9, 16 X 55 mm LG SHLDR, M12 X 1.75 X 18 mm LG THD 149 4 KCS-MBE051GR SET SCREW, KNURLED CUP POINT, GR 45H, M6 X 1, 6 mm LG 150 4 KCS-MBK055GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 151 4 KCS-MBK055GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 152 4 KCS-MBN059GR SET SCREW, KNURLED CUP POINT, GR 45H, M10 X 1.25, 10 mm LG 153 4 FTW-MBA000AJ FLAT WASHER, M8 154 24 FTW-MBA000AJ FLAT WASHER, M8 155 3 FTW-MBR000AJ FLAT WASHER, M12, NYLON 156 4 F	141	4	PPH-MBE067FCE	SCREW, PPH, CLS 4.8, M6 X 1, 14 mm LG, FULL
144 4 SHC-MBA067FCP SHCS, CLS 12.9, M5 X 0.8, 14 mm LG, FULL 145 4 SHC-MBE075FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL 146 4 SHC-MCA105FCP SHCS, CLS 12.9, M16 X 2, 50 mm LG, FULL 147 2 HHS-MBM057069AJ SHLDR SCREW, HEX HEAD, ALLOY, 11 X 15 mm LG SHLDR, M10 X 1.5 X 20 mm LG THD 148 2 SHS-MBR063110CP SHLDR SCREW, SH, CLS 12.9, 16 X 55 mm LG SHLDR, M12 X 1.75 X 18 mm LG THD 149 4 KCS-MBE051GR SET SCREW, KNURLED CUP POINT, GR 45H, M6 X 1, 6 mm LG 150 4 KCS-MBK055GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 151 4 KCS-MBK055GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 152 4 KCS-MBK055GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 152 4 KCS-MBK055GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 152 4 KCS-MBK055GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 153 4 FTW-MBA000AJ FLAT WASHER, M8 154 24 FTW-MBA000AJ FLAT WASHER, M8 155	142	8	HFH-MBM095FCM	SCREW, HFH, CLS 10.9, M10 X 1.5, 40 mm LG, FULL
145 4 SHC-MBE075FCP SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL 146 4 SHC-MCA105FCP SHCS, CLS 12.9, M16 X 2, 50 mm LG, FULL 147 2 HHS-MBM057069AJ SHLDR SCREW, HEX HEAD, ALLOY, 11 X 15 mm LG SHLDR, M10 X 1.5 X 20 mm LG THD 148 2 SHS-MBR063110CP SHLDR SCREW, SH, CLS 12.9, 16 X 55 mm LG SHLDR, M12 X 1.75 X 18 mm LG THD 149 4 KCS-MBE051GR SET SCREW, KNURLED CUP POINT, GR 45H, M6 X 1, 6 mm LG 150 4 KCS-MBK055GR SET SCREW, KNURLED CUP POINT, GR 45H, M6 X 1, 8 mm LG 151 4 KCS-MBN059GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 152 4 KCS-MBN059GR SET SCREW, KNURLED CUP POINT, GR 45H, M10 X 1.25, 10 mm LG 153 4 FTW-MBA000AJ FLAT WASHER, M5 154 24 FTW-MBJ000AJ FLAT WASHER, M8 155 3 FTW-MBR000AJ FLAT WASHER, M12 156 4 FTW-MBR000AJ FLAT WASHER, M12 159 24 FDW-MBJ07900AJ FENDER WASHER, M10, 26 mm OD 160 1 FDW-MBM075000AJ FENDER WASHER,	143	8	HFH-MBW100FCM	SCREW, HFH, CLS 10.9, M14 X 2, 45 mm LG, FULL
146 4 SHC-MCA105FCP SHCS, CLS 12.9, M16 X 2, 50 mm LG, FULL 147 2 HHS-MBM057069AJ SHLDR SCREW, HEX HEAD, ALLOY, 11 X 15 mm LG SHLDR, M10 X 1.5 X 20 mm LG THD 148 2 SHS-MBR063110CP SHLDR SCREW, SH, CLS 12.9, 16 X 55 mm LG SHLDR, M12 X 1.75 X 18 mm LG THD 149 4 KCS-MBE051GR SET SCREW, KNURLED CUP POINT, GR 45H, M6 X 1, 6 mm LG 150 4 KCS-MBK055GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 151 4 KCS-MBK055GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 152 4 KCS-MBN059GR SET SCREW, KNURLED CUP POINT, GR 45H, M10 X 1.25, 10 mm LG 153 4 FTW-MBA000AJ FLAT WASHER, M5 154 24 FTW-MBJ000AJ FLAT WASHER, M8 155 3 FTW-MBJ000AJ FLAT WASHER, M12 156 4 FTW-MBR000AJ FLAT WASHER, M12 157 6 FTW-MBJ07900AJ FLAT WASHER, M12, NYLON 158 3 FTW-MCA000AJ FLAT WASHER, M10, 26 mm OD 160 1 FDW-MBM075000AJ FENDER WASHER, M10, 26 mm OD	144	4	SHC-MBA067FCP	SHCS, CLS 12.9, M5 X 0.8, 14 mm LG, FULL
147 2 HHS-MBM057069AJ SHLDR SCREW, HEX HEAD, ALLOY, 11 X 15 mm LG SHLDR, M10 X 1.5 X 20 mm LG THD 148 2 SHS-MBR063110CP SHLDR SCREW, SH, CLS 12.9, 16 X 55 mm LG SHLDR, M12 X 1.75 X 18 mm LG THD 149 4 KCS-MBE051GR SET SCREW, KNURLED CUP POINT, GR 45H, M6 X 1, 6 mm LG 150 4 KCS-MBK055GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 151 4 KCS-MBN059GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 152 4 KCS-MBN059GR SET SCREW, KNURLED CUP POINT, GR 45H, M10 X 1.25, 10 mm LG 153 4 FTW-MBA000AJ FLAT WASHER, M5 154 24 FTW-MBJ000AJ FLAT WASHER, M8 155 3 FTW-MBM165AJ FLAT WASHER, M12 157 6 FTW-MBR0000AJ FLAT WASHER, M12, NYLON 158 3 FTW-MCA000AJ FENDER WASHER, M8, 30 mm OD 160 1 FDW-MBM079000AJ FENDER WASHER, M9, 26 mm OD 161 2 FDW-MBM079000AJ FENDER WASHER, M10, 30 mm OD 162 4 FDW-MBR086000AJ FENDER WASHER, M16, 45 mm OD<	145	4	SHC-MBE075FCP	SHCS, CLS 12.9, M6 X 1, 20 mm LG, FULL
14/1 2 HHS-MBM05/099AJ THD 148 2 SHS-MBR063110CP SHLDR SCREW, SH, CLS 12.9, 16 X 55 mm LG SHLDR, M12 X 1.75 X 18 mm LG THD 149 4 KCS-MBE051GR SET SCREW, KNURLED CUP POINT, GR 45H, M6 X 1, 6 mm LG 150 4 KCS-MBK055GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 151 4 KCS-MBN059GR SET SCREW, KNURLED CUP POINT, GR 45H, M9 X 1, 8 mm LG 152 4 KCS-MBN059GR SET SCREW, KNURLED CUP POINT, GR 45H, M10 X 1.25, 10 mm LG 153 4 FTW-MBA000AJ FLAT WASHER, M5 154 24 FTW-MBJ000AJ FLAT WASHER, M8 155 3 FTW-MBR000AJ FLAT WASHER, M12 157 6 FTW-MBR000AJ FLAT WASHER, M12, NYLON 158 3 FTW-MBA000AJ FENDER WASHER, M16 159 24 FDW-MBJ079000AJ FENDER WASHER, M10, 26 mm OD 160 1 FDW-MBM075000AJ FENDER WASHER, M10, 30 mm OD 161 2 FDW-MBR086000AJ FENDER WASHER, M12, 37 mm OD 163 4 FDW	146	4	SHC-MCA105FCP	SHCS, CLS 12.9, M16 X 2, 50 mm LG, FULL
149 4 KCS-MBE051GR SET SCREW, KNURLED CUP POINT, GR 45H, M6 X 1, 6 mm LG 150 4 KCS-MBK055GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 151 4 KCS-MBK055GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 152 4 KCS-MBN059GR SET SCREW, KNURLED CUP POINT, GR 45H, M10 X 1.25, 10 mm LG 153 4 FTW-MBA000AJ FLAT WASHER, M5 154 24 FTW-MBJ000AJ FLAT WASHER, M8 155 3 FTW-MBM165AJ FLAT WASHER, M8 156 4 FTW-MBR000AJ FLAT WASHER, M12 157 6 FTW-MBR000NA FLAT WASHER, M12, NYLON 158 3 FTW-MCA000AJ FLAT WASHER, M16 159 24 FDW-MBJ079000AJ FENDER WASHER, M8, 30 mm OD 160 1 FDW-MBM075000AJ FENDER WASHER, M10, 26 mm OD 161 2 FDW-MBR086000AJ FENDER WASHER, M10, 30 mm OD 162 4 FDW-MCA094000AJ FENDER WASHER, M16, 45 mm OD 163 4 FDW-MCA094000AJ FENDER WAS	147	2	HHS-MBM057069AJ	· · · · · · · · · · · · · · · · · · ·
150 4 KCS-MBK055GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 151 4 KCS-MBK055GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 152 4 KCS-MBN059GR SET SCREW, KNURLED CUP POINT, GR 45H, M10 X 1.25, 10 mm LG 153 4 FTW-MBA000AJ FLAT WASHER, M5 154 24 FTW-MBJ000AJ FLAT WASHER, M8 155 3 FTW-MBR000AJ FLAT WASHER, DIN7349, M10, 4 mm THK 156 4 FTW-MBR000AJ FLAT WASHER, M12 157 6 FTW-MBR000NA FLAT WASHER, M12, NYLON 158 3 FTW-MCA000AJ FLAT WASHER, M16 159 24 FDW-MBJ079000AJ FENDER WASHER, M10, 26 mm OD 160 1 FDW-MBM075000AJ FENDER WASHER, M10, 30 mm OD 161 2 FDW-MBR086000AJ FENDER WASHER, M10, 30 mm OD 162 4 FDW-MCA094000AJ FENDER WASHER, M16, 45 mm OD 163 4 FDW-MCA094000AJ FENDER WASHER, M6 165 19 SLW-MBAAJ SPLIT LOCK WASHER, M6	148	2	SHS-MBR063110CP	SHLDR SCREW, SH, CLS 12.9, 16 X 55 mm LG SHLDR, M12 X 1.75 X 18 mm LG THD
151 4 KCS-MBK055GR SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG 152 4 KCS-MBN059GR SET SCREW, KNURLED CUP POINT, GR 45H, M10 X 1.25, 10 mm LG 153 4 FTW-MBA000AJ FLAT WASHER, M5 154 24 FTW-MBJ000AJ FLAT WASHER, M8 155 3 FTW-MBR000AJ FLAT WASHER, DIN7349, M10, 4 mm THK 156 4 FTW-MBR000AJ FLAT WASHER, M12 157 6 FTW-MBR000AJ FLAT WASHER, M12, NYLON 158 3 FTW-MCA000AJ FLAT WASHER, M16 159 24 FDW-MBJ079000AJ FENDER WASHER, M8, 30 mm OD 160 1 FDW-MBM075000AJ FENDER WASHER, M10, 26 mm OD 161 2 FDW-MBR086000AJ FENDER WASHER, M10, 30 mm OD 162 4 FDW-MBR086000AJ FENDER WASHER, M10, 37 mm OD 163 4 FDW-MCA094000AJ FENDER WASHER, M16, 45 mm OD 164 4 SLW-MBAAJ SPLIT LOCK WASHER, M6 165 19 SLW-MBEAJSPLIT LOCK WASHER, M8 166	149	4	KCS-MBE051GR	SET SCREW, KNURLED CUP POINT, GR 45H, M6 X 1, 6 mm LG
152 4 KCS-MBN059GR SET SCREW, KNURLED CUP POINT, GR 45H, M10 X 1.25, 10 mm LG 153 4 FTW-MBA000AJ FLAT WASHER, M5 154 24 FTW-MBJ000AJ FLAT WASHER, M8 155 3 FTW-MBM165AJ FLAT WASHER, DIN7349, M10, 4 mm THK 156 4 FTW-MBR000AJ FLAT WASHER, M12 157 6 FTW-MBR000NA FLAT WASHER, M12, NYLON 158 3 FTW-MCA000AJ FLAT WASHER, M16 159 24 FDW-MBJ079000AJ FENDER WASHER, M8, 30 mm OD 160 1 FDW-MBM075000AJ FENDER WASHER, M10, 26 mm OD 161 2 FDW-MBM079000AJ FENDER WASHER, M10, 30 mm OD 162 4 FDW-MBR086000AJ FENDER WASHER, M12, 37 mm OD 163 4 FDW-MCA094000AJ FENDER WASHER, M16, 45 mm OD 164 4 SLW-MBAAJ SPLIT LOCK WASHER, M6 165 19 SLW-MBAJ SPLIT LOCK WASHER, M8 166 7 SLW-MBMAJ SPLIT LOCK WASHER, M24	150	4	KCS-MBK055GR	SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG
153 4 FTW-MBA000AJ FLAT WASHER, M5 154 24 FTW-MBJ000AJ FLAT WASHER, M8 155 3 FTW-MBM165AJ FLAT WASHER, DIN7349, M10, 4 mm THK 156 4 FTW-MBR000AJ FLAT WASHER, M12 157 6 FTW-MBR000NA FLAT WASHER, M12, NYLON 158 3 FTW-MCA000AJ FLAT WASHER, M16 159 24 FDW-MBJ079000AJ FENDER WASHER, M8, 30 mm OD 160 1 FDW-MBM075000AJ FENDER WASHER, M10, 26 mm OD 161 2 FDW-MBM079000AJ FENDER WASHER, M10, 30 mm OD 162 4 FDW-MBR086000AJ FENDER WASHER, M12, 37 mm OD 163 4 FDW-MCA094000AJ FENDER WASHER, M16, 45 mm OD 164 4 SLW-MBAAJ SPLIT LOCK WASHER, M5 165 19 SLW-MBEAJ SPLIT LOCK WASHER, M6 166 7 SLW-MBAJ SPLIT LOCK WASHER, M8 167 5 SLW-MBAJ SPLIT LOCK WASHER, M10 168 2 SLW-MCMAJ SPL	151	4	KCS-MBK055GR	SET SCREW, KNURLED CUP POINT, GR 45H, M8 X 1, 8 mm LG
154 24 FTW-MBJ000AJ FLAT WASHER, M8 155 3 FTW-MBM165AJ FLAT WASHER, DIN7349, M10, 4 mm THK 156 4 FTW-MBR000AJ FLAT WASHER, M12 157 6 FTW-MBR000NA FLAT WASHER, M12, NYLON 158 3 FTW-MCA000AJ FLAT WASHER, M16 159 24 FDW-MBJ079000AJ FENDER WASHER, M8, 30 mm OD 160 1 FDW-MBM075000AJ FENDER WASHER, M10, 26 mm OD 161 2 FDW-MBM079000AJ FENDER WASHER, M10, 30 mm OD 162 4 FDW-MBR0866000AJ FENDER WASHER, M12, 37 mm OD 163 4 FDW-MCA094000AJ FENDER WASHER, M16, 45 mm OD 164 4 SLW-MBAAJ SPLIT LOCK WASHER, M5 165 19 SLW-MBEAJ SPLIT LOCK WASHER, M6 166 7 SLW-MBAJ SPLIT LOCK WASHER, M8 167 5 SLW-MBMAJ SPLIT LOCK WASHER, M10 168 2 SLW-MCMAJ SPLIT LOCK WASHER, M24	152	4	KCS-MBN059GR	SET SCREW, KNURLED CUP POINT, GR 45H, M10 X 1.25, 10 mm LG
155 3 FTW-MBM165AJ FLAT WASHER, DIN7349, M10, 4 mm THK 156 4 FTW-MBR000AJ FLAT WASHER, M12 157 6 FTW-MBR000NA FLAT WASHER, M12, NYLON 158 3 FTW-MCA000AJ FLAT WASHER, M16 159 24 FDW-MBJ079000AJ FENDER WASHER, M8, 30 mm OD 160 1 FDW-MBM075000AJ FENDER WASHER, M10, 26 mm OD 161 2 FDW-MBM079000AJ FENDER WASHER, M10, 30 mm OD 162 4 FDW-MBR086000AJ FENDER WASHER, M12, 37 mm OD 163 4 FDW-MCA094000AJ FENDER WASHER, M16, 45 mm OD 164 4 SLW-MBAAJ SPLIT LOCK WASHER, M5 165 19 SLW-MBEAJ SPLIT LOCK WASHER, M6 166 7 SLW-MBMAJ SPLIT LOCK WASHER, M8 167 5 SLW-MBMAJ SPLIT LOCK WASHER, M10 168 2 SLW-MCMAJ SPLIT LOCK WASHER, M24	153	4	FTW-MBA000AJ	FLAT WASHER, M5
155 3 FTW-MBM165AJ FLAT WASHER, DIN7349, M10, 4 mm THK 156 4 FTW-MBR000AJ FLAT WASHER, M12 157 6 FTW-MBR000NA FLAT WASHER, M12, NYLON 158 3 FTW-MCA000AJ FLAT WASHER, M16 159 24 FDW-MBJ079000AJ FENDER WASHER, M8, 30 mm OD 160 1 FDW-MBM075000AJ FENDER WASHER, M10, 26 mm OD 161 2 FDW-MBM079000AJ FENDER WASHER, M10, 30 mm OD 162 4 FDW-MBR086000AJ FENDER WASHER, M12, 37 mm OD 163 4 FDW-MCA094000AJ FENDER WASHER, M16, 45 mm OD 164 4 SLW-MBAAJ SPLIT LOCK WASHER, M5 165 19 SLW-MBEAJ SPLIT LOCK WASHER, M6 166 7 SLW-MBMAJ SPLIT LOCK WASHER, M8 167 5 SLW-MBMAJ SPLIT LOCK WASHER, M10 168 2 SLW-MCMAJ SPLIT LOCK WASHER, M24	154	24	FTW-MBJ000AJ	FLAT WASHER, M8
157 6 FTW-MBR000NA FLAT WASHER, M12, NYLON 158 3 FTW-MCA000AJ FLAT WASHER, M16 159 24 FDW-MBJ079000AJ FENDER WASHER, M8, 30 mm OD 160 1 FDW-MBM075000AJ FENDER WASHER, M10, 26 mm OD 161 2 FDW-MBM079000AJ FENDER WASHER, M10, 30 mm OD 162 4 FDW-MBR086000AJ FENDER WASHER, M12, 37 mm OD 163 4 FDW-MCA094000AJ FENDER WASHER, M16, 45 mm OD 164 4 SLW-MBAAJ SPLIT LOCK WASHER, M5 165 19 SLW-MBEAJ SPLIT LOCK WASHER, M6 166 7 SLW-MBJAJ SPLIT LOCK WASHER, M8 167 5 SLW-MBMAJ SPLIT LOCK WASHER, M10 168 2 SLW-MCMAJ SPLIT LOCK WASHER, M24				
158 3 FTW-MCA000AJ FLAT WASHER, M16 159 24 FDW-MBJ079000AJ FENDER WASHER, M8, 30 mm OD 160 1 FDW-MBM075000AJ FENDER WASHER, M10, 26 mm OD 161 2 FDW-MBM079000AJ FENDER WASHER, M10, 30 mm OD 162 4 FDW-MBR086000AJ FENDER WASHER, M12, 37 mm OD 163 4 FDW-MCA094000AJ FENDER WASHER, M16, 45 mm OD 164 4 SLW-MBAAJ SPLIT LOCK WASHER, M5 165 19 SLW-MBEAJ SPLIT LOCK WASHER, M6 166 7 SLW-MBJAJ SPLIT LOCK WASHER, M8 167 5 SLW-MBMAJ SPLIT LOCK WASHER, M10 168 2 SLW-MCMAJ SPLIT LOCK WASHER, M24	156	4	FTW-MBR000AJ	FLAT WASHER, M12
159 24 FDW-MBJ079000AJ FENDER WASHER, M8, 30 mm OD 160 1 FDW-MBM075000AJ FENDER WASHER, M10, 26 mm OD 161 2 FDW-MBM079000AJ FENDER WASHER, M10, 30 mm OD 162 4 FDW-MBR086000AJ FENDER WASHER, M12, 37 mm OD 163 4 FDW-MCA094000AJ FENDER WASHER, M16, 45 mm OD 164 4 SLW-MBAAJ SPLIT LOCK WASHER, M5 165 19 SLW-MBEAJ SPLIT LOCK WASHER, M6 166 7 SLW-MBJAJ SPLIT LOCK WASHER, M8 167 5 SLW-MBMAJ SPLIT LOCK WASHER, M10 168 2 SLW-MCMAJ SPLIT LOCK WASHER, M24	157	6	FTW-MBR000NA	FLAT WASHER, M12, NYLON
159 24 FDW-MBJ079000AJ FENDER WASHER, M8, 30 mm OD 160 1 FDW-MBM075000AJ FENDER WASHER, M10, 26 mm OD 161 2 FDW-MBM079000AJ FENDER WASHER, M10, 30 mm OD 162 4 FDW-MBR086000AJ FENDER WASHER, M12, 37 mm OD 163 4 FDW-MCA094000AJ FENDER WASHER, M16, 45 mm OD 164 4 SLW-MBAAJ SPLIT LOCK WASHER, M5 165 19 SLW-MBEAJ SPLIT LOCK WASHER, M6 166 7 SLW-MBJAJ SPLIT LOCK WASHER, M8 167 5 SLW-MBMAJ SPLIT LOCK WASHER, M10 168 2 SLW-MCMAJ SPLIT LOCK WASHER, M24	158	3	FTW-MCA000AJ	FLAT WASHER, M16
161 2 FDW-MBM079000AJ FENDER WASHER, M10, 30 mm OD 162 4 FDW-MBR086000AJ FENDER WASHER, M12, 37 mm OD 163 4 FDW-MCA094000AJ FENDER WASHER, M16, 45 mm OD 164 4 SLW-MBAAJ SPLIT LOCK WASHER, M5 165 19 SLW-MBEAJ SPLIT LOCK WASHER, M6 166 7 SLW-MBJAJ SPLIT LOCK WASHER, M8 167 5 SLW-MBMAJ SPLIT LOCK WASHER, M10 168 2 SLW-MCMAJ SPLIT LOCK WASHER, M24	159	24	FDW-MBJ079000AJ	FENDER WASHER, M8, 30 mm OD
162 4 FDW-MBR086000AJ FENDER WASHER, M12, 37 mm OD 163 4 FDW-MCA094000AJ FENDER WASHER, M16, 45 mm OD 164 4 SLW-MBAAJ SPLIT LOCK WASHER, M5 165 19 SLW-MBEAJ SPLIT LOCK WASHER, M6 166 7 SLW-MBJAJ SPLIT LOCK WASHER, M8 167 5 SLW-MBMAJ SPLIT LOCK WASHER, M10 168 2 SLW-MCMAJ SPLIT LOCK WASHER, M24	160	1	FDW-MBM075000AJ	FENDER WASHER, M10, 26 mm OD
162 4 FDW-MBR086000AJ FENDER WASHER, M12, 37 mm OD 163 4 FDW-MCA094000AJ FENDER WASHER, M16, 45 mm OD 164 4 SLW-MBAAJ SPLIT LOCK WASHER, M5 165 19 SLW-MBEAJ SPLIT LOCK WASHER, M6 166 7 SLW-MBJAJ SPLIT LOCK WASHER, M8 167 5 SLW-MBMAJ SPLIT LOCK WASHER, M10 168 2 SLW-MCMAJ SPLIT LOCK WASHER, M24	161	2	FDW-MBM079000AJ	
164 4 SLW-MBAAJ SPLIT LOCK WASHER, M5 165 19 SLW-MBEAJ SPLIT LOCK WASHER, M6 166 7 SLW-MBJAJ SPLIT LOCK WASHER, M8 167 5 SLW-MBMAJ SPLIT LOCK WASHER, M10 168 2 SLW-MCMAJ SPLIT LOCK WASHER, M24	162	4	FDW-MBR086000AJ	FENDER WASHER, M12, 37 mm OD
164 4 SLW-MBAAJ SPLIT LOCK WASHER, M5 165 19 SLW-MBEAJ SPLIT LOCK WASHER, M6 166 7 SLW-MBJAJ SPLIT LOCK WASHER, M8 167 5 SLW-MBMAJ SPLIT LOCK WASHER, M10 168 2 SLW-MCMAJ SPLIT LOCK WASHER, M24	163	4		FENDER WASHER, M16, 45 mm OD
1667SLW-MBJAJSPLIT LOCK WASHER, M81675SLW-MBMAJSPLIT LOCK WASHER, M101682SLW-MCMAJSPLIT LOCK WASHER, M24	164	4	SLW-MBAAJ	
167 5 SLW-MBMAJ SPLIT LOCK WASHER, M10 168 2 SLW-MCMAJ SPLIT LOCK WASHER, M24	165	19	SLW-MBEAJ	SPLIT LOCK WASHER, M6
1675SLW-MBMAJSPLIT LOCK WASHER, M101682SLW-MCMAJSPLIT LOCK WASHER, M24	166	7	SLW-MBJAJ	SPLIT LOCK WASHER, M8
168 2 SLW-MCMAJ SPLIT LOCK WASHER, M24				
				· · · · · · · · · · · · · · · · · · ·

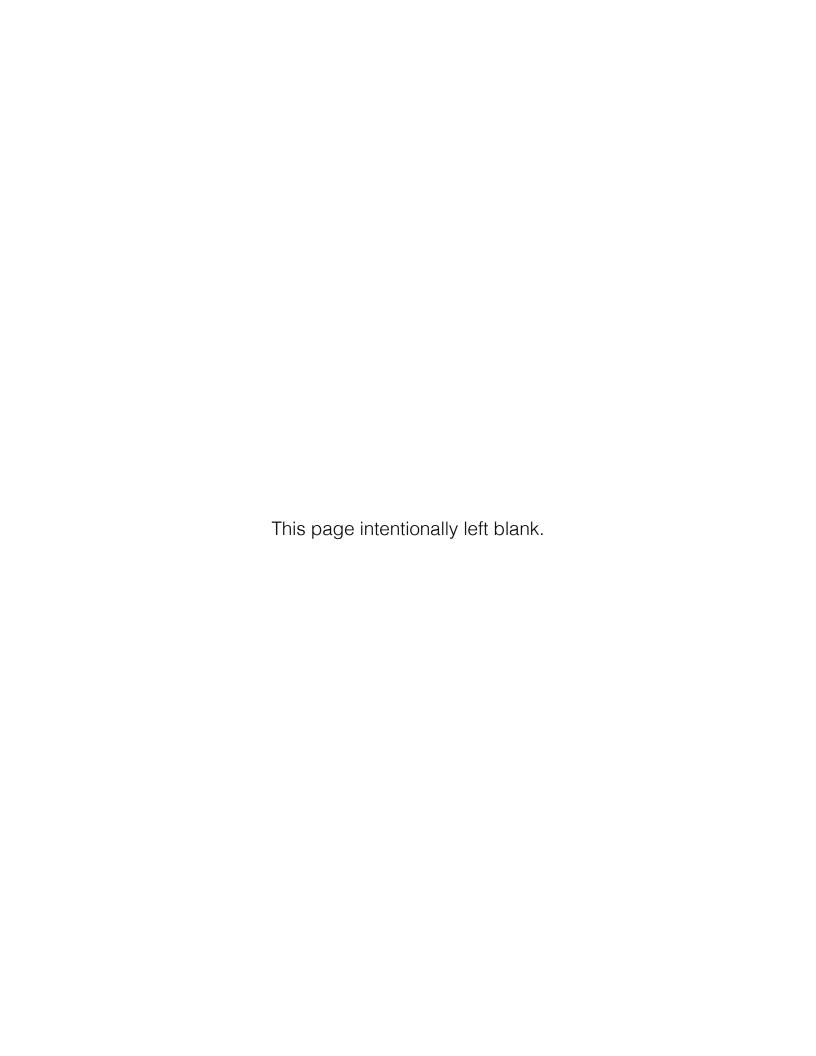


Item	Qty	Part No.	Description
170	9	HXN-MBMCH	HEX NUT, CLS 8, M10 X 1.5
171	2	HXN-MCACH	HEX NUT, CLS 8, M16 X 2
172	2	HXN-MCMCH	HEX NUT, CLS 8, M24 X 3
173	2	THN-MCVCC	HEX NUT, THIN, CLS 4, M30 X 3.5
174	3	HLN-MBACH	LOCK NUT, CLS 8, M5 X 0.8
175	10	HLN-MBECH	LOCK NUT, CLS 8, M6 X 1
176	48	HLN-MBJCH	LOCK NUT, CLS 8, M8 X 1.25
177	17	HLN-MBMCH	LOCK NUT, CLS 8, M10 X 1.5
178	19	HLN-MBRCH	LOCK NUT, CLS 8, M12 X 1.75
179	8	HLN-MBWCH	LOCK NUT, CLS 8, M14 X 2
180	6	HLN-MCACH	LOCK NUT, CLS 8, M16 X 2



NOTES		

2022 WC88 Operator's Manual	WOODLAND MILLS





DISCOVER THE WOODLAND