



**03-SERIES**

**4 & 6-ROW  
RIGID & FOLDING  
PEANUT VINE CONDITIONER**

**OPERATOR'S MANUAL**

*THIS MANUAL TO ACCOMPANY MACHINE*



PART NO. 03-OM-03  
Printing Date: SEPT 2012

# WARRANTY POLICY

KELLEY MANUFACTURING COMPANY (KMC) warrants that all goods sold to the original purchaser of any KMC product shall be free of any defects in material and workmanship if used under normal operating conditions. The warranty period begins on the date of purchase by the retail customer and ends twelve (12) months thereafter. KMC's sole responsibility is to repair and/or replace the defective part or parts at no cost to purchaser. This remedy is the **SOLE AND EXCLUSIVE REMEDY** of purchaser.

The purchaser must fill out and return the warranty registration form found in the front of the operator's manual. Failure to return the warranty registration form within 30 days shall result in the goods being sold "AS IS", and all warranties shall be excluded.

This warranty shall not apply to those items that are by nature worn in normal service, including but not limited to belts, springs, teeth, chains, etc. Items such as tires, tubes, and gearboxes and all other items warranted by the original manufacturer are warranted only to the extent of their individual manufacturer warranty, and KMC is not warranting any of said items. All warranty claims must be made through a KMC licensed dealer, and a warranty form request must be submitted to KMC within 30 days of failure or the warranty provision shall be unenforceable against KMC.

No agent or person has authority to change or add to this warranty as written.

THE ABOVE IS THE ONLY WARRANTY MADE BY KMC AND IS MADE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. KMC MAKES NO WARRANTY OF MERCHANTABILITY AS TO ANY GOODS MANUFACTURED BY KMC AND FURTHER, KMC DOES NOT WARRANT ANY SUCH GOODS AS SUITABLE FOR ANY PARTICULAR PURPOSE TO THE RETAIL CUSTOMER. THE SUITABILITY OF GOODS FOR ANY PURPOSE PARTICULAR TO THE CUSTOMER IS FOR THE CUSTOMER, IN HIS SOLE JUDGEMENT, TO DETERMINE. KMC FURTHER MAKES NO WARRANTIES WITH RESPECT TO ITS MANUFACTURED GOODS THAT WOULD NORMALLY BE DISCLOSED BY AN EXAMINATION. THIS IS THE FULL AND FINAL EXPRESSION OF ALL WARRANTY LIABILITY OF KMC. NO OTHER WARRANTY, EITHER EXPRESSED OR IMPLIED, SHALL BE ENFORCEABLE AGAINST KMC.

**Kelley Manufacturing Co.**

80 Vernon Drive / Zip 31794

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Tifton GA

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## 6-ROW 30" RIGID VINE CONDITIONER



## 4-ROW FOLDING VINE CONDITIONER



## 6-ROW FOLDING VINE CONDITIONER



## TO THE PURCHASER

This manual has been prepared to assist you in operating and maintaining your new **KMC RIGID OR FOLDING PEANUT VINE CONDITIONER** and to acquaint you with the many attachments available. Please read it thoroughly and keep it handy for reference each season. Record your machine's Model Number, Serial Number and Purchase Date for reference in procuring repair parts and accessories over the years. A Table of Contents is also provided for quick reference to these sections.

Some components of this machine are labeled left or right. The notations are determined facing the direction the machine will travel in use.



This safety alert symbol is used throughout this manual to identify safety messages. When you see this symbol, read the message which follows as it will advise you of possible injury.

**Model No.** \_\_\_\_\_

**Serial No.** \_\_\_\_\_

**Purchase Date** \_\_\_\_\_

## TO THE DEALER

Please refer to this manual for pre-delivery assembly. A review of the operation and maintenance sections with your customer may eliminate needless service calls during the first few days of operation.

Left and right hand parts are determined by standing behind the machine facing the direction of travel. When ordering parts or accessories, please give the part name and part number.

## SAFETY PROCEDURES

Safety and performance are the primary objectives of the designers of KMC equipment. Safety features have been incorporated into this machine where possible and warnings given in other areas. For your safety, please read and observe the following safety procedures.

1. Do not permit any one to ride on the machine.
2. Keep all persons a safe distance away from the rear and sides of the machine while it is in operation.
3. Drive safely during transport; excessive speeds while turning on rough grounds or over hills could cause tractor tip over.
4. Make sure hitch components are attached securely before operating or transporting.
5. Be sure reflectors are located properly.
6. Use flashing warning lights when operating on highways except where prohibited by law.
7. Stop engine before leaving operator's position to adjust, lubricate, clean or unclog machine.

***BEING SAFETY CONSCIOUS IS GOOD BUSINESS***



# ASSEMBLY INSTRUCTIONS

Study the pictures carefully before completing the assembly of a KMC Vine Conditioner .

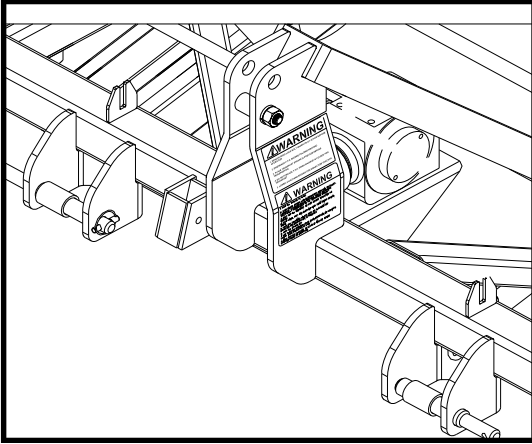


Figure 1

Mount Vine Conditioner to a 3-point hitch tractor.

Mount the gauge wheels on the main frame as shown. The gauge wheels can be adjusted vertical and horizontally if needed. And mounted to either side of the 2 x 4 tubing.

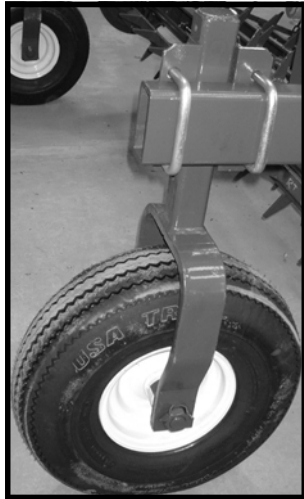


Figure 2

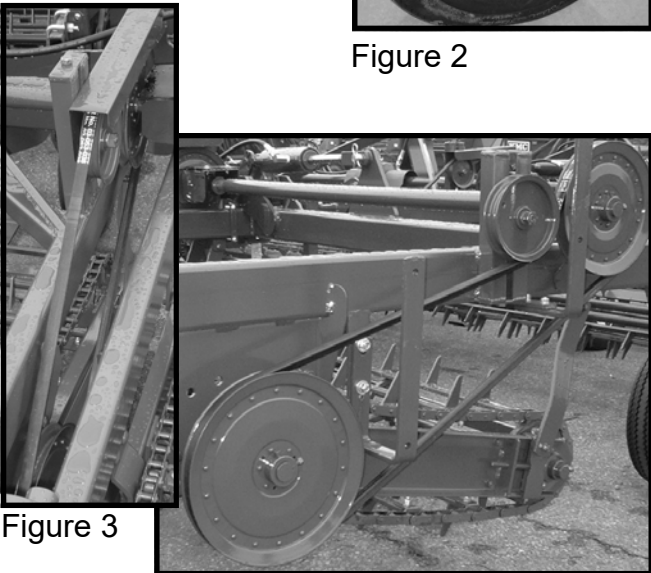


Figure 3

Check tightness of drive belts. Avoid over tightening belts. Drive belts must be able to slip if some object becomes lodged between the rattler bars.

Make sure all shields are in place before operating the vine conditioner.

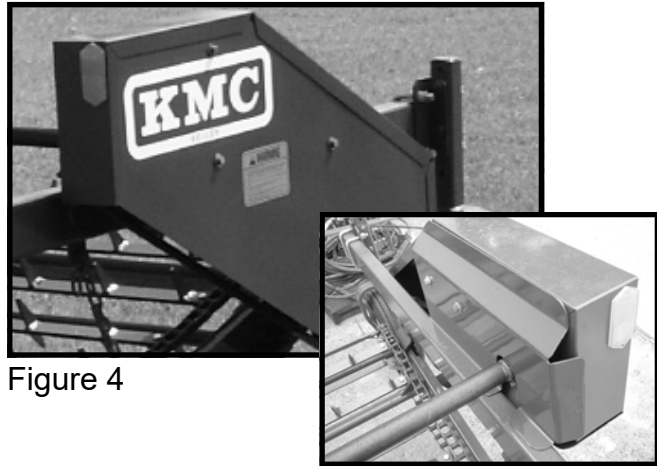


Figure 4

Jackstand is located on the front bar. Make sure it is down before disconnecting from the tractor.



Figure 5

**CAUTION: FILL GEAR BOX TO LEVEL PLUG WITH SAE 90 W GEAR LUBE. APPROX. 2.3 lbs.**



Install P.T.O. driveline.

Start tractor at low speed and check for any binding or excessive strain on the moving parts. After that, operate at 540 P.T.O. speed for 15 minutes, then recheck for any parts that are too tight (**HOT**) or too loose and make necessary adjustments.

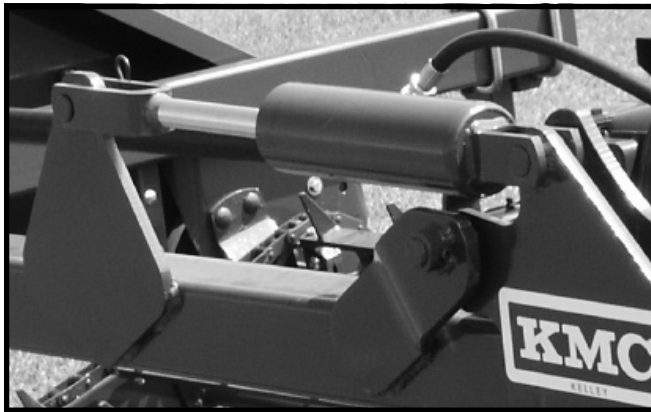


Figure 6



## OPTIONAL ACCESSORIES:

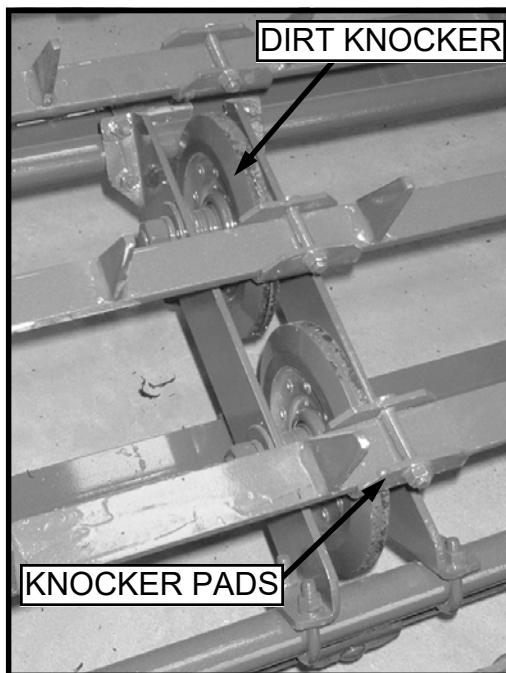
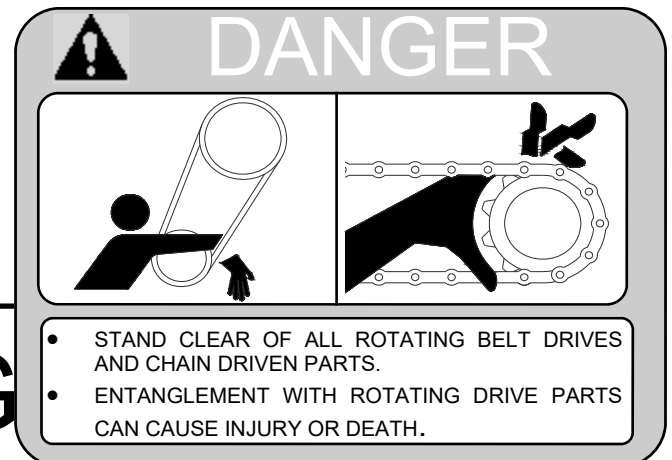


Figure 7

### DIRT KNOCKER KIT:

Mount Dirt Knocker and Knocker Pads. The degree of rattler bar agitation can be varied by adjusting knocker wheels up or down. Adjust the knocker wheels to strike rattler bars with sufficient force to shake soil from peanuts. This will vary with soil moisture conditions.



## ! WARNING

1. REMOVE RIGID LOCK BOLT UNDER PIVOT JOINTS BEFORE OPERATION.
2. DO NOT ENGAGE P.T.O. WHEN MACHINE IS FOLDED FOR TRANSPORT.
3. PLACE TRANSPORT STRAPS IN POSITION BEFORE TRANSPORTING.
4. LOWER JACKSTAND BEFORE DISCONNECTING FROM TRACTOR.

**33-050-248**

**03-050-075**

## OPERATING INSTRUCTIONS:

With the main frame level, adjust the gauge wheels so that the rattler teeth barely contact the ground in field conditions.

**Tractor Speed** - Select proper gear and P.T.O. speed to synchronize ground speed with rattler speed. If ground speed is too fast, vines will pile in front of the machine. If ground speed is too slow, vines will flow unevenly. Select a speed for uniform flow of vines from the pick-up area to drop-off area.

### LEVEL ADJUSTMENT

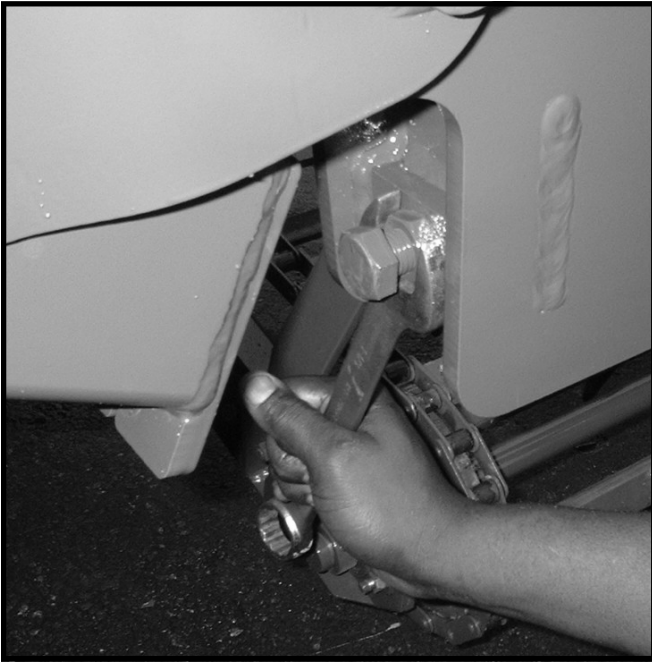


Figure 8

KMC's Folding Vine Conditioner has the capability for the wings to float down past level. This allows the rattler frames to adjust individually on contoured land. If, however, this float is not desired, adjustable stops have been provided under each pivot for leveling of the machine. To level the machine, loosen the (2) 3/4 nuts under the adjusting stop and adjust until the wing is level. Be sure to retighten both 3/4 nuts securely.

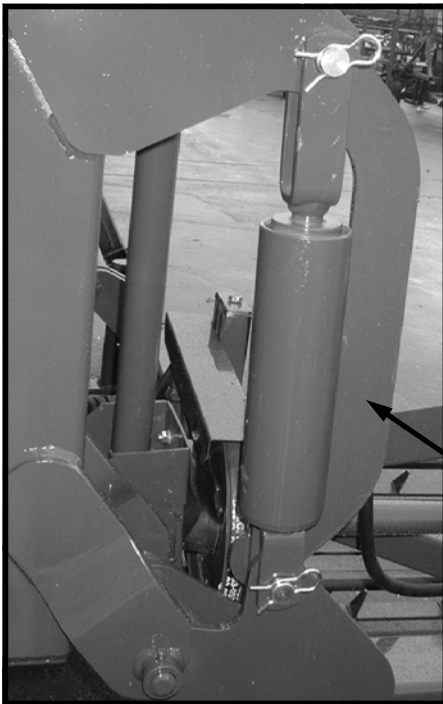


Figure 9

### CYLINDER IN TRANSPORT POSITION

**FOR TRANSPORT:** Simply fold vine conditioner, place transport straps in position, and go. Refer to Figure 9.

TRANSPORT  
STRAPS



## FOLDED POSITION FRONT



Figure 10

## FOLDED POSITION REAR

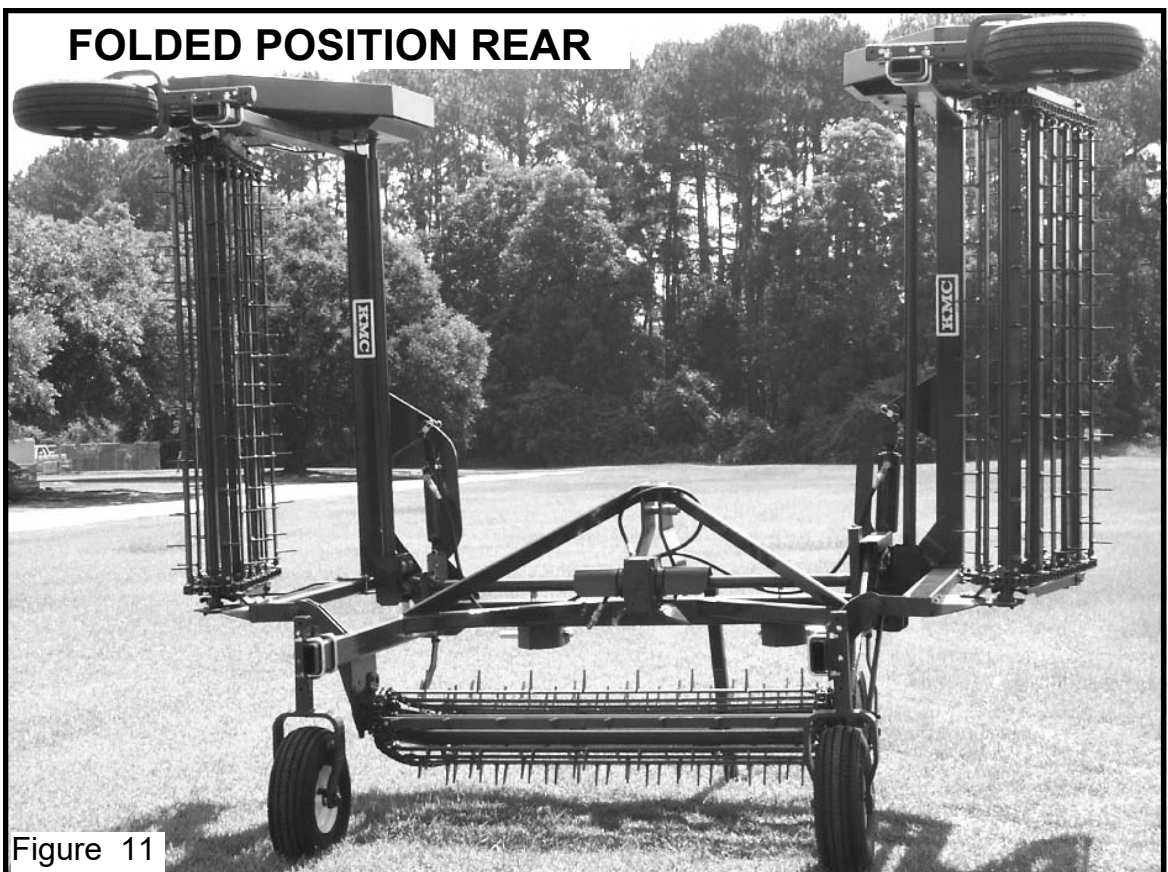


Figure 11

# MAINTENANCE INSTRUCTIONS:

## LUBRICATION FREQUENCY

EVERY 8 HOURS OR DAILY .....

EVERY 50 HOURS OR WEEKLY .....

Check lube in

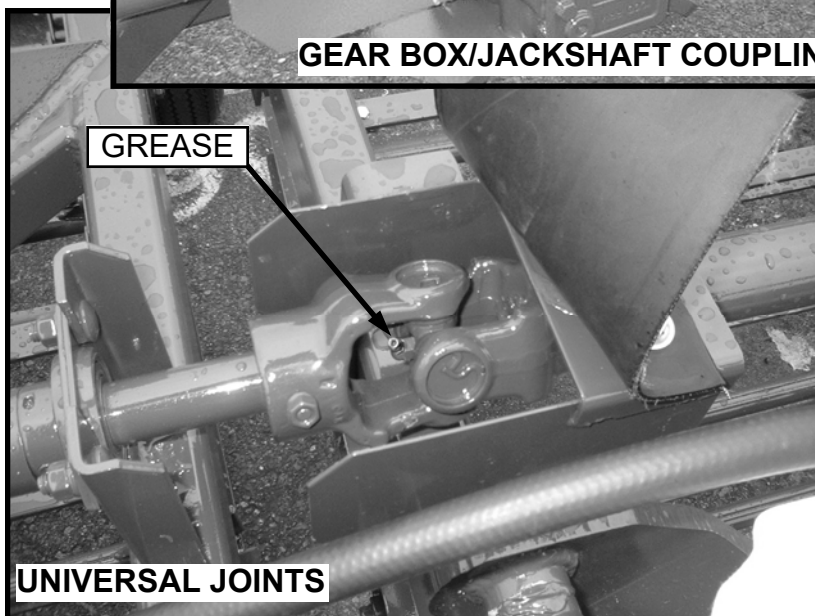
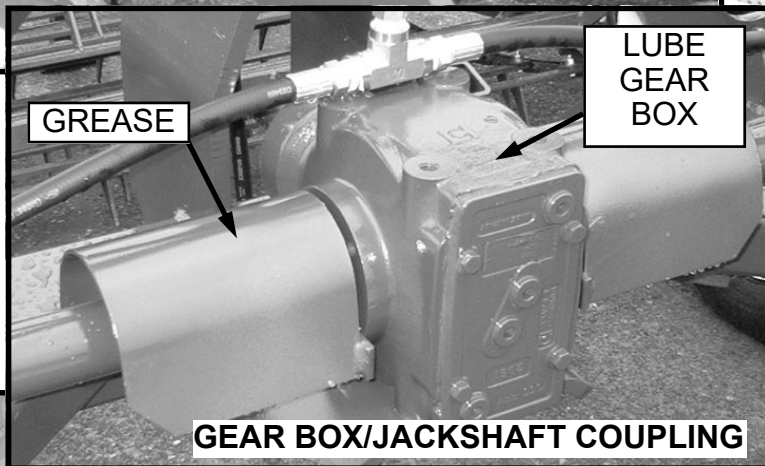
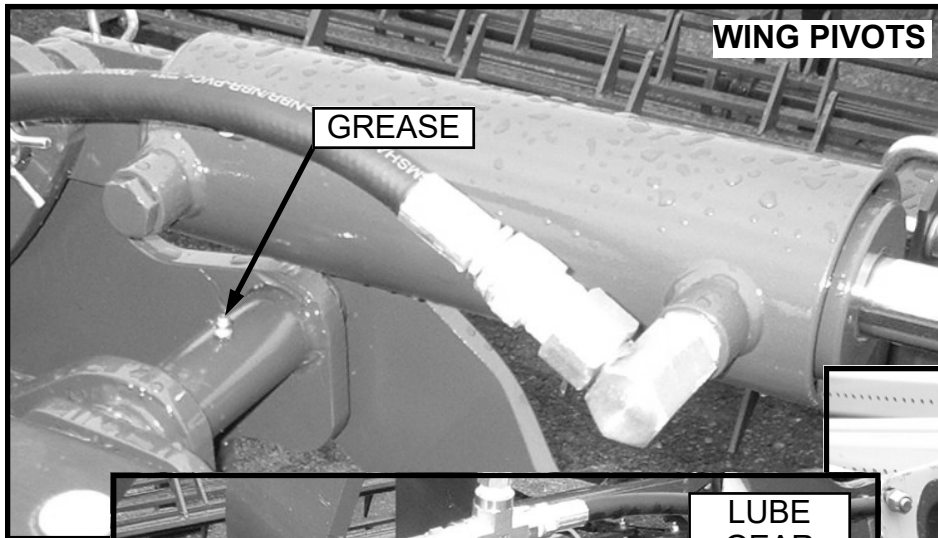
ANNUALLY .....

## LUBRICATION POINTS

Grease universal joints and wing pivots

Grease Gear Box/Jackshaft coupling.  
gear box; use SAE 90 multipurpose  
gear lubricant.

Check Gauge Wheel Hubs for  
grease and pack if necessary.



## PERIODIC CHECK POINTS

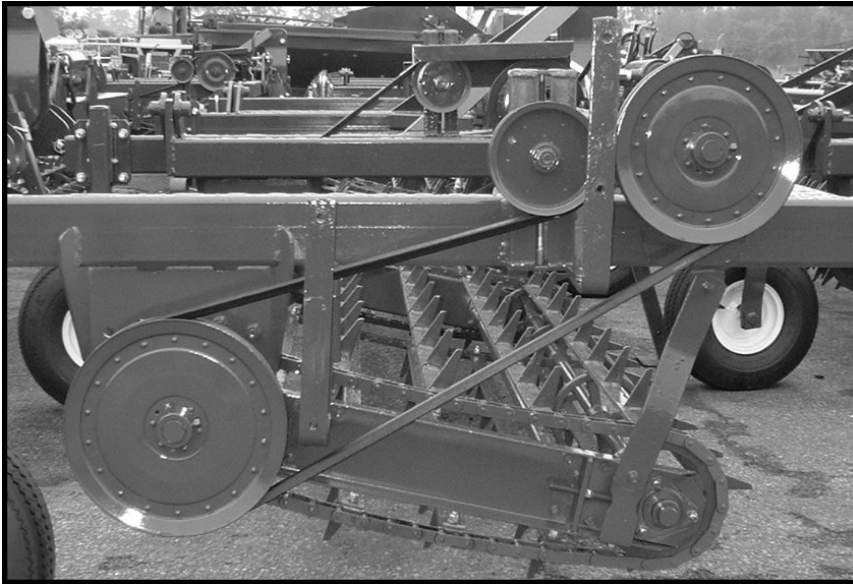


Figure 12

1. After 10 to 15 acres of running machine check all conveyor and “V” belt drives to be sure that belt tension is adequate so that slippage does not occur. Check complete machine for any loose nuts, rattler bars, or excessive worn parts that may be due to misalignment.

2. Check rattler chain tightness approximately every 100 acres. Do not allow conveyor chain to become so loose that the drive sprocket tries to jump teeth. This could influence chain and sprocket wear. Running rattler chain too tight can also cause excessive chain and sprocket wear. Readjust old worn chain to 2 1/2” dimension as shown in Figure 13. When installing a new replacement chain adjust to 2 1/4” dimension.

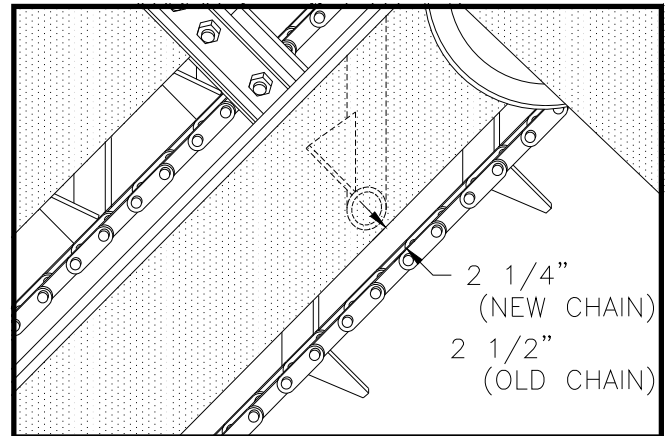
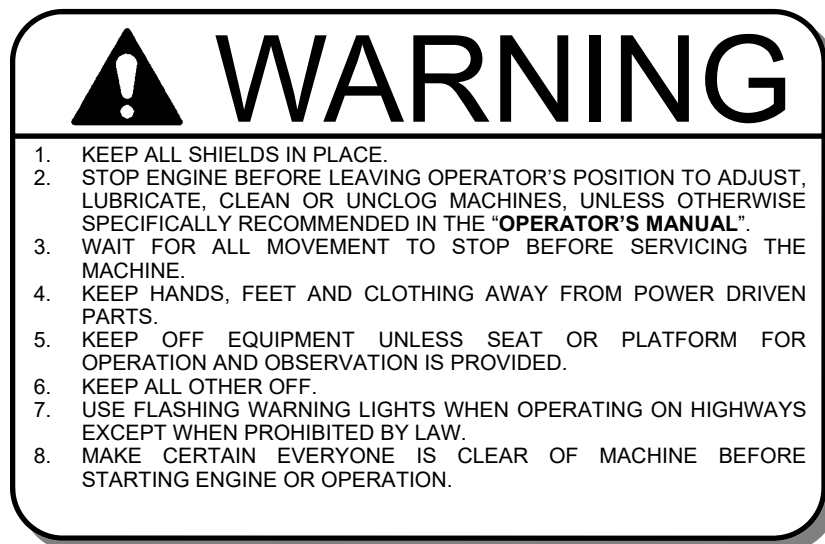
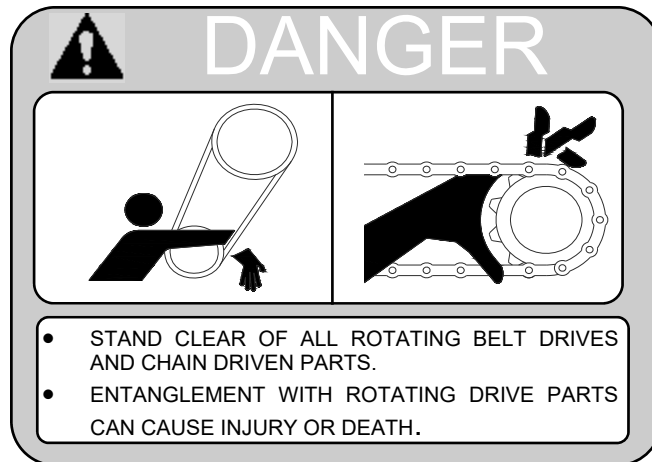


Figure 13



Figure 14

3. When replacing the rattler bars be sure to place bars on correctly. The side of the tooth with the slope or angle should engage or contact the vines. (Refer to figure 14)



[illegible]



The following is a list of serial numbers issued to our machines at the beginning of each year. To determine when a unit was made, find the range within which the particular serial number falls. It would have been produced between January 1 to December 31 of that year.

<b>YEAR</b>	<b>SERIAL NUMBERS</b>
1985	27986-29695
1986	29696-31095
1987	31096-33234
1988	33235-35548
1989	35549-38496
1990	38497-41771
1991	41772-44466
1992	44467-47001
1993	47002-48750
1994	48751-51549
1995	51551-54262
1996	54263-56661
1997	56662-59465
1998	59466-62097
1999	62098-63986
2000	63987-65692
2001	65693-67340
2002	67341-68699
2003	68700-70482
2004	70483-72646
2005	72647-74866
2006	74867-76368
2007	76369-77883
2008	77884-79891
2009	79892-80944
2010	80945-81775
2011	81776-83453
2012	83454-85092
2013	85093-86418
2014	86419-87790
2015	87791-89096
2016	89097-



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