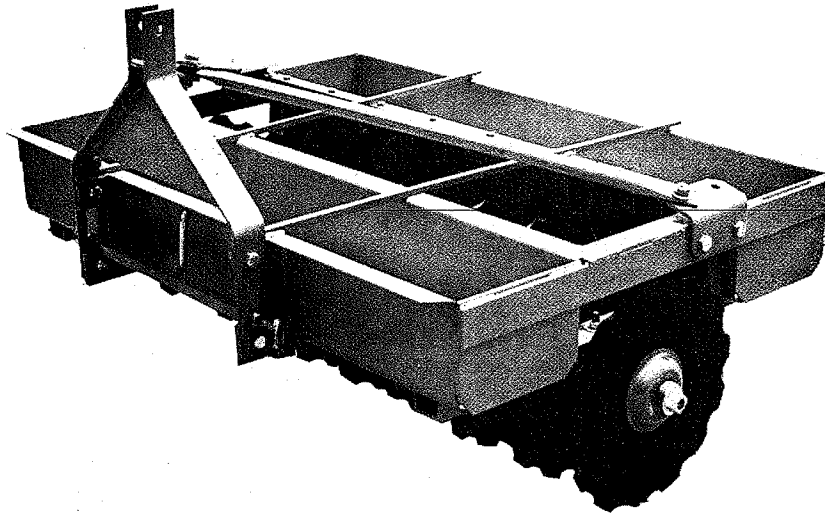


# **FINN**

## **CORPORATION**



# **KRIMPER**

**MODEL NO.** KR-35

**SERIAL NO.** \_\_\_\_\_

## W A R R A N T Y

Finn warrants to the original Purchaser for use (or rental to others for use) all new construction machinery and attachments therefore manufactured by Finn to be free from defects in material and workmanship for a period of 6 months from date of purchase or 1200 hours of use, whichever comes first. Replacement parts provided under the terms of this warranty are warranted for the remainder of the warranty period applicable to the product in which installed, as if such parts were original components of that product. Finn makes no warranty with respect to (a) allied equipment or trade accessories not manufactured by it (such as, but not limited to tires, ignitions, starters, batteries, magnetos, carburetors, engines or like or unlike equipment or accessories), such being subject to the warranty, if any, provided by their respective manufacturers; or (b) second-hand, used, altered, or rebuilt machines. THE WARRANTY DESCRIBED IN THIS PARAGRAPH SHALL BE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Upon notification of Finn within the above-stated warranty period of any failure to conform to this warranty, and upon inspection by Finn to verify said nonconformity and to verify the continuing existence of the warranty period, Finn will provide a new part or a repaired part, whichever Finn elects, to replace the part found to be defective. Such parts will be provided without charge to the Purchaser during normal working hours at a place of business of a Finn dealer or other establishment authorized by Finn to effect said repairs or replacements, but Purchaser shall bear all costs of transporting the product to and from such place of business or establishment. Correction of nonconformities, in the manner and for the period time provided above, shall constitute fulfillment of all liabilities of Finn under this contract.

THE REMEDIES OF THE USER SET FORTH HEREIN ARE EXCLUSIVE, WITHOUT REGARD TO WHETHER ANY DEFECT WAS DISCOVERABLE OR LATENT AT THE TIME OF DELIVERY OF THE PRODUCT TO THE PURCHASER. The essential purpose of this exclusive remedy shall be to provide the Purchaser with repair or replacement of parts that prove to be defective within the period and under the conditions previously set forth. This exclusive remedy shall not have failed of its essential purpose (as that term is used in the Uniform Commercial Code) provided Finn remains willing to repair or replace defective parts within a commercially reasonable time after it obtains actual knowledge of the existence of a particular defect.

IN NO EVENT SHALL FINN BE LIABLE FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL OR INDIRECT DAMAGES, INCLUDING LOST PROFITS OR LOST COMMERCIAL OPPORTUNITIES, WITH RESPECT TO THE SALE OF THE ABOVE-WARRANTED PRODUCT OR ANYTHING DONE IN CONNECTION THEREWITH, OR FOR PROPERTY DAMAGE SUSTAINED BY A PERSON CLAIMING TO BE A THIRD-PARTY BENEFICIARY OF A SURVIVING WARRANTY UNDER THE LAW OF ANY JURISDICTION.

Effective September 15, 1980

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NOTE: Numbers before the dash listed under "reference number" refer to the page where the part is shown in it's primary assembly.

ASSEMBLY OF THE FINN KRIMPER

All parts to be assembled are packed in the ballast boxes and/or strapped to the Krimper frame.

Assembly starts with the coulter and axle assembly:

- 1) Lay the coulter axle down.
- 2) Slide all parts on it, pushing them towards the end with the welded stop collar in the following sequence:

6 Foot Model

Washer w/square hole  
 Spring Washer  
 1st Coulter  
 1st Bearing  
 2nd Coulter  
 Spacer  
 3rd Coulter  
 Spacer  
 4th Coulter  
 2nd Bearing  
 5th Coulter  
 Spacer  
 6th Coulter  
 Spacer  
 7th Coulter  
 Spacer  
 8th Coulter  
 3rd Bearing  
 9th Coulter  
 Spring Washer  
 Washer Spacer  
 Nut  
 Nut

8 Foot Model (for each axle)

Washer w/square hole  
 Spring Washer  
 1st Coulter  
 1st Bearing  
 2nd Coulter  
 Spacer  
 3rd Coulter  
 Spacer  
 4th Coulter  
 Spacer  
 5th Coulter  
 2nd Bearing  
 6th Coulter  
 Spring Washer  
 Washer Spacer  
 Nut  
 Nut

After assembly tighten the first nut hand tight.

Leave the coulter and axle assembly lying on the ground, with the bearing blocks facing up, so they can accept the frame.

ASSEMBLY OF THE FINN KRIMPER

Place the frame on top of the coultter axle assembly and secure it to the bearings with U-bolts around the bearings. CAUTION: Do not over-tighten the nuts on the U-bolts which hold the bearings; this will cause the bearings to wear prematurely and/or crack the bearing housings. Merely "snugging" the nuts will be sufficient.

Tighten the axle nut to 500 ft/lbs. torque. Install second nut as a jam nut.

Assemble the scraper to the frame with a bolt, nut and washer.

Three Point Hitch Model (see page 6):

Align the yoke assembly with the holes on the front of the frame.

Place the 1-1/8" diameter draw pins (ref. #6-5) in the lower set of holes, with the pins facing outside of the yoke assembly. Use these pins when using a tractor equipped with a category 2 hitch.

Place the 7/8" diameter draw pins (ref. #6-4) in the upper set of holes, with the pins facing inside of the yoke assembly. Use these pins when using a tractor equipped with a category 1 hitch.

Assemble the angle brackets (ref.#6-6) to the holes on both sides of the frame.

Connect the extension arms (ref. #6-8 & 6-9) from the yoke assembly to the angle bracket.

Pull Type With Wheels (see pages 7, 8 & 9):

Attach the tow hitch assembly to the front of the frame.

Slide the axle bearings (ref. #8-12) onto the ends of the towing axle assembly.

Lay the axle assembly over the assembled Krimper and attach it to the frame assembly.

Connect the rod end of the hydraulic cylinder to the crank arm on the axle assembly.

Connect the other end of the cylinder just behind the front ballast box on the left side (looking from rear) of the frame assembly.

USING THE FINN KRIMPER

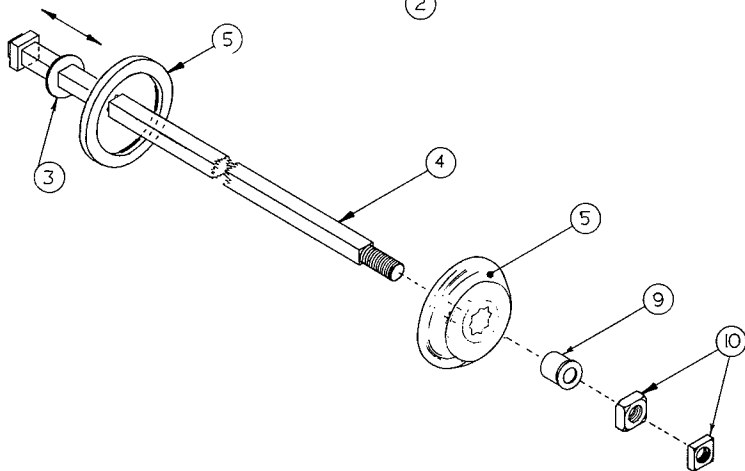
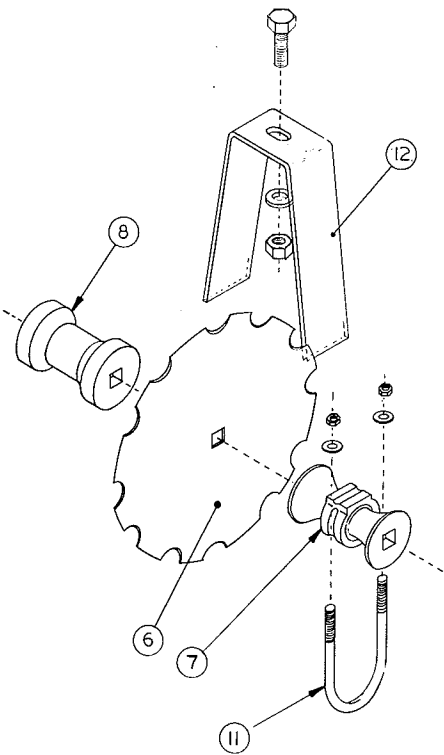
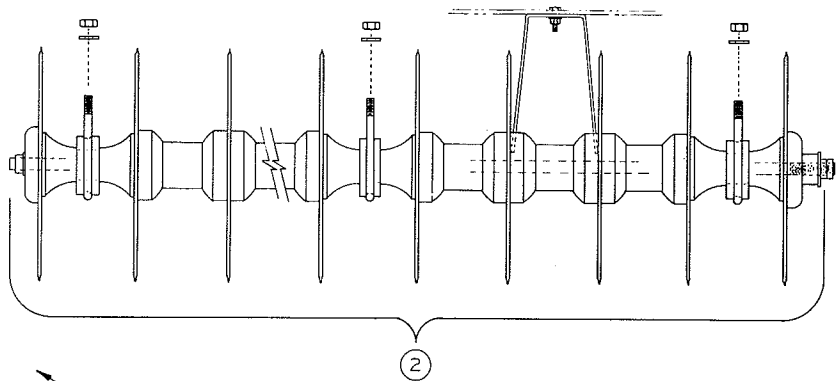
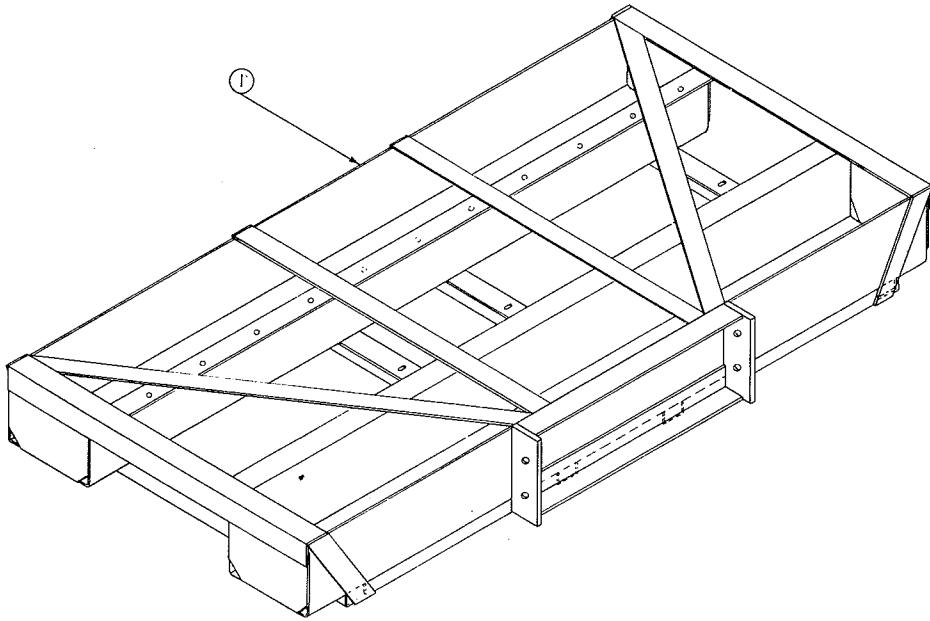
The Finn Krimper is to be drawn with a tractor over the mulched bed, incorporating some of the mulch fibers into the soil.

The tractor should preferably be equipped with dual rear wheels or flotation tires to minimize packing of the seedbed.

Sufficient depth is essential and this can be accomplished by partially or totally loading the boxes on the Krimper with dirt, rocks, concrete blocks or permanently with concrete. The type of soil and compactness of the seedbed are the determining factors for the amount of weight. The most desirable depth ranges from one inch (1") in clay to two inches (2") in sandy soils.

The direction of travel will usually be determined by the shape of the seedbed and the topography, however, when possible one should krimp in a direction 90 degrees to the prevailing winds.

On slopes, the most stabilizing effect will be achieved by krimping in a horizontal direction, (much like a farmer "contouring" his hilly farm) rather than up and down the slope.



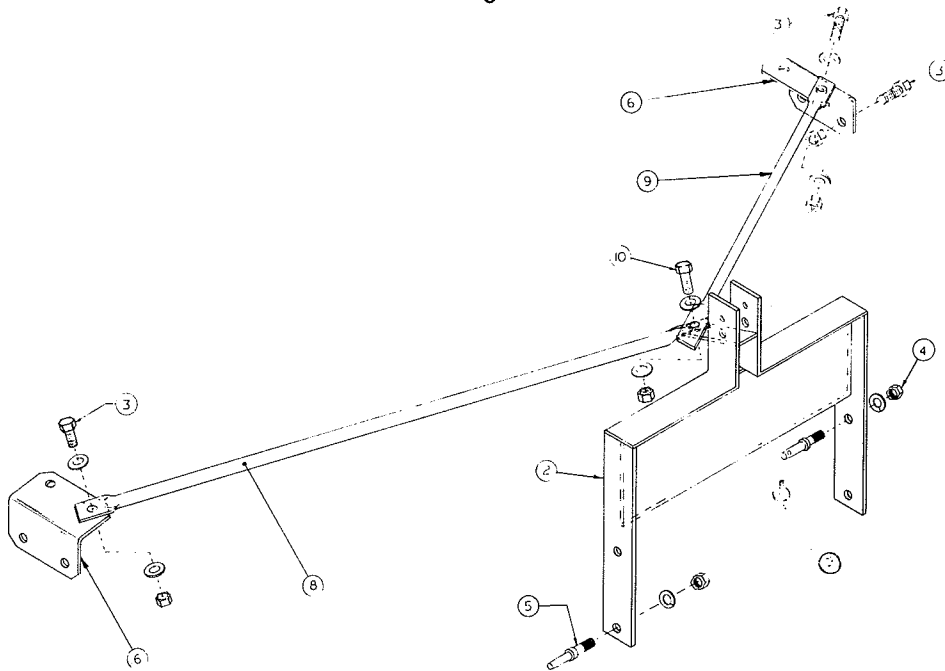
**WHEN ORDERING PARTS, BE SURE TO STATE  
SERIAL NUMBER OF MACHINE**

## FRAME/BOX ASSEMBLY

Ref. No.	Part No. 8' Model	No. Req.	Part No. 6' Model	No. Req.	Description
4-1	502 <del>28</del> <sup>55</sup>	1	50227	1	Box Weldment Assy. -Complete
4-2	50250	<del>1</del> <sup>2</sup>	50249	1	Coulter & Axle Assy - Complete (Items 3 thru 12)
4-3	50215	2	50215	1	Washer /square hole
4-4	50108-3	2	50108-2	1	Coulter Axle Assembly
4-5	50205	4	50205	2	Spring Washer
4-6	50053	12	50053	9	Coulter Blade
4-7	50054	4	50054	3	Bearing
4-8	50043	6	50043	5	Spool, Spacer
4-9	50214	2	50214	1	Spacer, Spring Washer
4-10	Y16S	4	Y16S	2	Square Nut
4-11	50128	4	50128	3	U Bolt with:
		8		6	W10F Washer & Y10L Lock Nut
4-12	50203	11	50203	8	Blade Scraper with:
		11		8	X820 Bolt - W8F Washer Y8L Lock Nut

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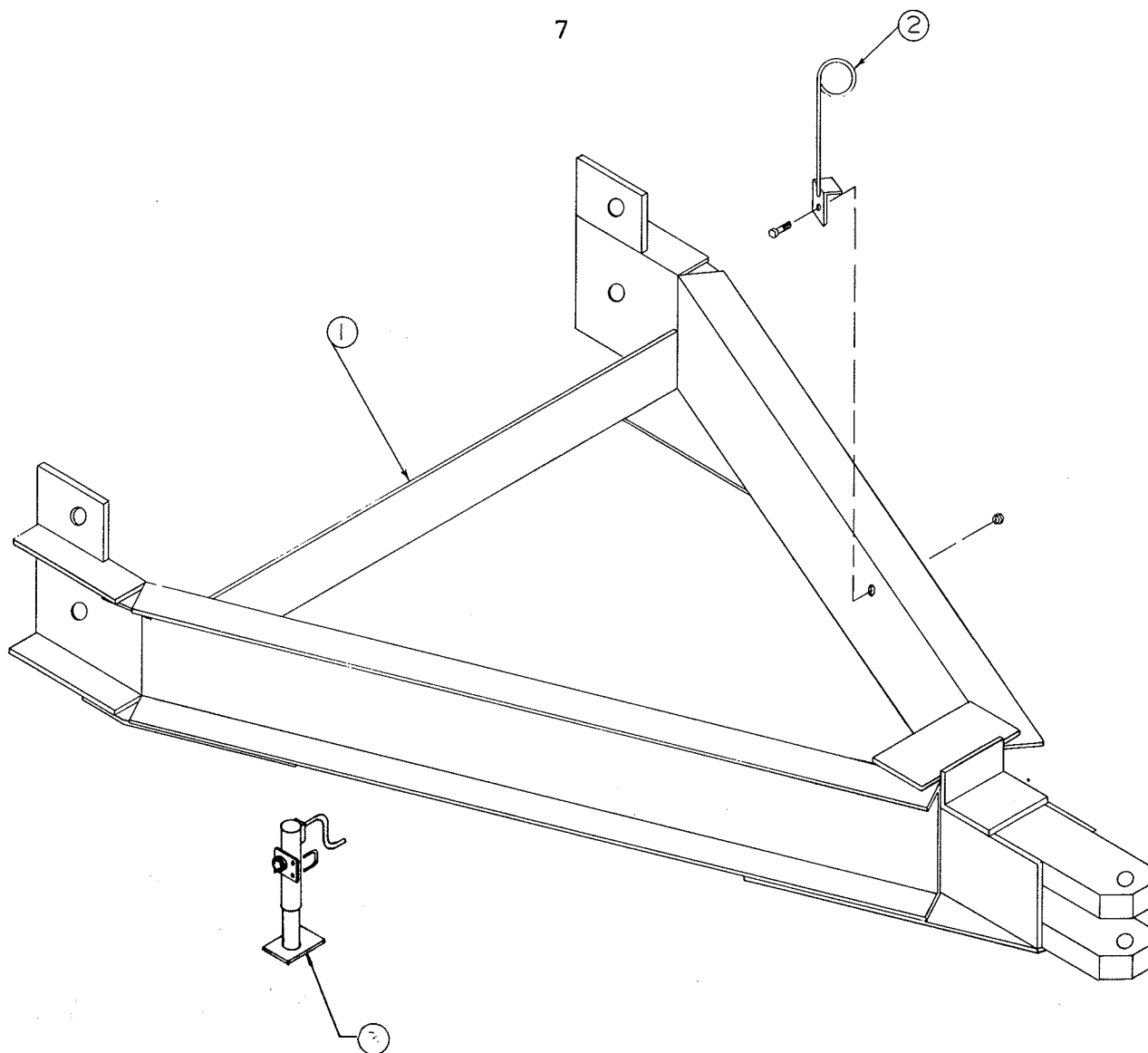




## 3 POINT HITCH ASSEMBLY

Ref. No.	Part No. 8' Model	No. Req.	Part No. 6' Model	No. Req.	Description
6-1	50223	1	50224	1	3 Pt Hitch Assy- Complete (Items 2 thru 10)
6-2	50234	1	50234	1	Yoke Assembly
6-3	X1228	6	X1228	6	Bolt & Y12L Lock Nut, Washer
6-4	30145	2	31045	2	Category 1 Draw Pin
6-5	50252	2	50252	2	Category 2 (Draw Pin)
6-6	50243-2	2	50243-2	2	Angle Bracket
6-7	50086	2	50086	2	Pin, Snap Ring
6-8	50241-4	1	50241-3	1	Support Bar, Right Hand
6-9	50241-2	1	50241-1	1	Support Bar left Hand
6-10	X1232	1	X1232	1	Bolt & Y12L Lock Nut
		2		2	W12F Washer

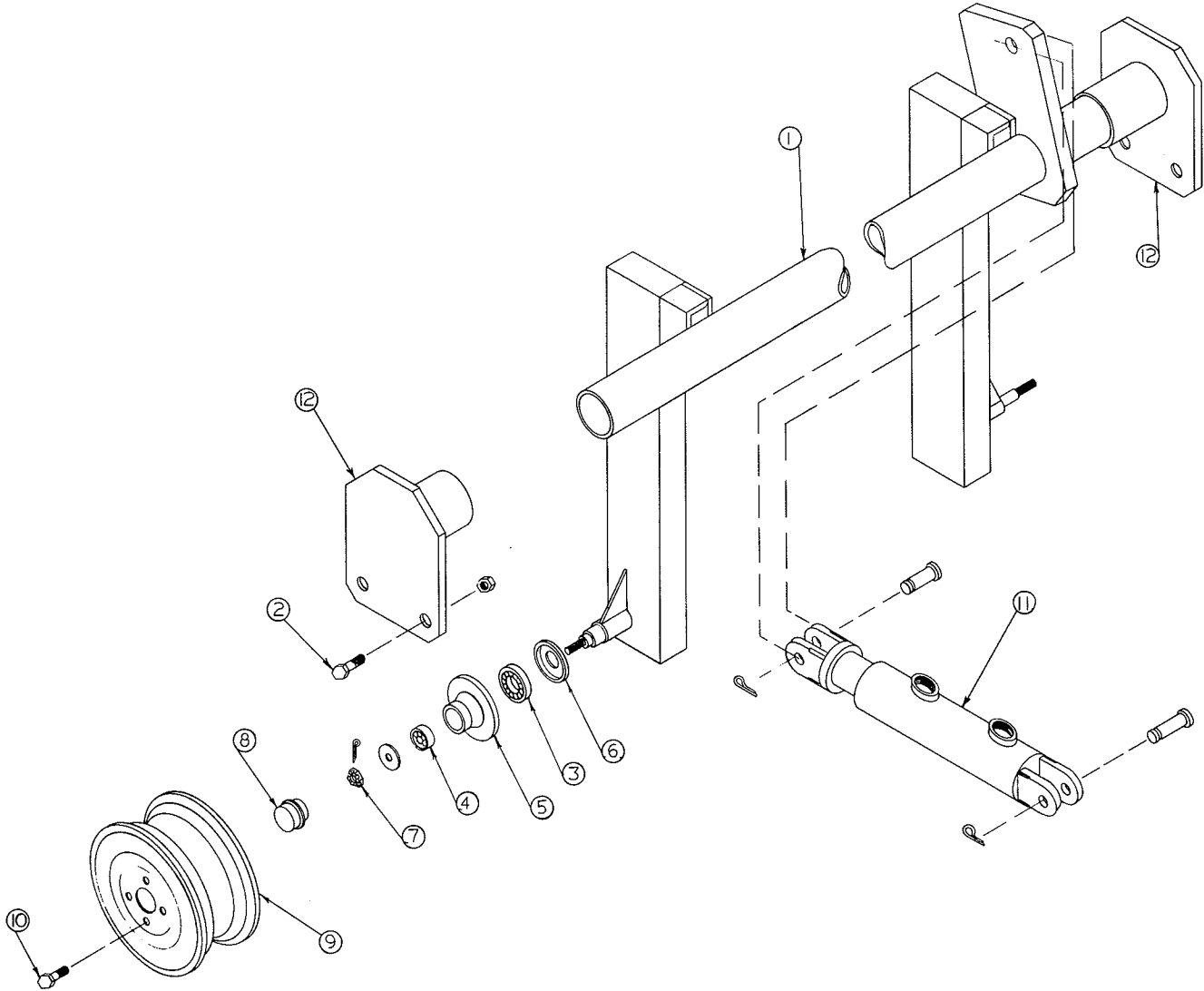
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TOW HITCH ASSEMBLY

Ref. No.	Part No. 8' Model	No. Req.	Description
7-1	50229	1	Tow Hitch Assembly with:
		4	X1228 Bolt & Y12L Lock Nut
7-2	50072	1	Hose Support Assembly with:
		1	X820 Bolt & Y8L Lock Nut
7-3	20833	1	Jack w/Pad & Ring

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KR-35

TOWING AXLE ASSEMBLY

Ref. No.	Part No. 8' Model	No. Req.	Description
8-1	50230-1	1	Weldment, Torsion Bar & Spindle Assembly
8-2	X1228	4	X1228 Bolt & Y12L Lock Nut
8-3	50075	2	<i>BEARINGS</i> Cone, Inner LM 67048 (FEH # 104082)
8-4	50076	2	<i>BEARINGS</i> Cone, Outer LM 11949 (FEH # 104080)
8-5	50084	2	* Hub Assembly (FEH # 104911)
8-6	50077	2	Seal (FEH # 104078)
8-7	50078	2	<i>5/8-18 UNF</i> Nut - Fine Thread - Castellated (FEH # 103292) with WLOF Washer & Cotter Pin
8-8	50089	2	Hub Cap (FEH # 103297) (FEH # 103821)
8-9	50085	2	Wheel (14 x 5KB) (FEH # 105560)
8-10	50079	8	Bolt (Wheel) (FEH # 101300)
8-11	50052	1	Hydraulic Cylinder (Supplied with clevis pins & clips)
8-12	50230-2	2	Torsion Bar Bearing

\* HUB ASSEM INCLUDES:

FEH # 104064 HUB CASTING  
 FEH # 104081 CUP-INNER LM 67010  
 FEH # 104079 CUP-OUTER LM 11910