

# **SERIES OTL**

**PARTS  
&  
OPERATOR  
MANUAL**

# **SERIES OTL ORCHARD TANDEM 10'10" TO 16'11"**

**Domries Enterprises, Inc.**

**12281 Rd. 29**

**Madera, California 93638**

**Phone (559) 673-9143 Fax (559) 673-4110**

**Visit Our Web-Site at [www.domriesentinc.com](http://www.domriesentinc.com)**

## **IMPORTANT! PLEASE READ!**

TO OUR CUSTOMER – USER’S RESPONSIBILITY – WARRANTY

### **TO OUR CUSTOMER**

The following pages and illustrations are printed to help supply you with the knowledge to better operate and service your new **DOMRIES** equipment.

We are proud to have you as a customer and feel you will be proud to be a **DOMRIES** owner.

Any piece of equipment needs, and must have a certain amount of service and maintenance to keep it in top running condition. We have attempted to cover all the adjustments required to fit most conditions; however, there may be times special care must be taken to fit a condition.

**Study this operator’s manual carefully and become acquainted with all the adjustments and operating procedures before attempting to operate your new equipment.** Remember, it is a machine and has been designed and tested to do an efficient job in most operating conditions and will perform in relation to the service it receives.

If special attention is required for some conditions, ask your **DOMRIES** dealer; his Parts and Service Organization will be glad to help and answer any question on operation and service of your new machine.

### **ATTENTION! BECOME ALERT!**

#### **YOUR SAFETY IS INVOLVED**

This symbol is used to call your attention to safety precautions that should be followed by the operator to avoid accidents. When you see this symbol – Heed Its Warning.

#### **USER’S RESPONSIBILITY**

It is the responsibility of the user to read the Operator’s Manual and understand the safe and correct operating procedures as pertains to the operation of the product, and to lubricate and maintain the product according to the maintenance schedule in the Operator’s Manual.

The user is responsible for inspecting his machine and for having parts repaired or replaced when continued use of the product would cause damage or excessive wear to other parts. It is the user’s responsibility to deliver his machine to a **DOMRIES** dealer, for service or replacement of defective parts which are covered by the standard warranty. When requesting warranty service, you present your copy of delivery record.

**MODEL#** \_\_\_\_\_

**SERIAL#** \_\_\_\_\_



## Safety Precautions

**ATTENTION! BECOME ALBERT!  
YOUR SAFETY IS INVOLVED!**

**This symbol is used to call your attention to safety precautions. That should be followed by the operator to avoid accidents. When you see this – Heed Its Warning.**

**Many hours of lost time and much suffering is caused by the failure to practice simple safety rules.**

1. **READ** this manual carefully to acquaint your - self with the Disk Harrow. Opening unfamiliar equipment can cause accidents.
2. **LOWER IMPLEMENT** if possible, when adjusting maintenance work; otherwise **BLOCKS IT SECURELY** at a workable height.
3. When Implement and tractor are parked always lower disk to the ground and place a **FLAG OR OTHER WAARMING DEVICE** on each corner as someone could run or bump into the implement.
4. Implement should be **DETACHED ONLY** in an area where Children **DO NOT PLAY**.
5. **DO NOT** wear loose fitting clothing that could catch on various parts.
6. Machinery should be **OPERATED ONLY** by those who are **RESPONSIBLE AND DEEGATED** to do so.
7. **ONLY ONE PERSON** – the operator – should be permitted on the tractor when implement is in operation, he should be thoroughly familiar with tractor and implement.
8. **MAKE CERTAIN** that everyone is in clear before starting tractor and implement combination.
9. **BEFORE WORKING** under the any hydraulically controlled unit **IS SURE** it is **SECURELY BLOCKED**.
10. The **RATE OF SPEED** on hillsides or curves should be regulated so there is no danger of tipping.
11. **DO Not** drive too close to the edge of a ditch or creek.
12. **REDUCE SPEED** when transporting unit to avoid bouncing and momentary loss of steer ability.
13. **MAKE CERTAIN** tractor is equipped with sufficient front end weight to counter-balance the plow weight and maintain stability of front of tractor.
14. **DO NOT** attempt to operate tractor and implement unless you are in the diver seat.
15. **ALWAYS** place transmission in **PARK or NEUTRAL, LOCK BRAKES, STOP ENGINE AND REMOVE START KEY** before dismounting from the tractor.
16. **NEVER** stand between tractor and disc when hitching.
17. **PROVIDE** a first aid kit. Treat all scratches, cuts, etc. with proper antiseptic immediately.
18. If **DECALS** become damaged or come off, they should be replaced immediately.
19. **REMEMBER** that safe operation is no accident.

## ON HIGHWAY OPERATION

1. Use the **SLOW MOVING** vehicle emblem in daytime and approved warning lights at night, or during other periods of poor visibility, to prevent highway accidents.
2. **COMPLY** with Local highway regulation concerning moving machinery on highways.
3. **MAINTAIN** complete Control of machines at all times when traveling on the highway.
4. Due to the width of the implement, **US EXTRA CAUTION** on highways, far lanes and when approaching gates.

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## **WARRANTY**

Domries warrant's all products of it's manufacture to be free of defects in material and workmanship under normal usage and maintenance for the period of one year from the date of delivery to the original purchaser.

### **RETURN GOODS**

Domries shall have the option of requiring the prepaid return of any parts claimed defective, however, No parts shall be returned without Domries warranty form with good authorized number. Goods shall be returned to such location as shall be designed by Domries.

Domries will at it's option, either repair or replace, F.O.B. Domries factory. Such parts as appear to to Domries upon inspection, to have been defective in materials and/or workmanship. Wearing parts that are determined to be defective are subject to an adjustment based upon useful life.

### **REPAIRS**

Any field or repairs must have the authorized repair number from Domries before any work is done. Claim for warranty must be made with a Domries warranty form and repair number.

Domries will not accept any charged other than its direct Dealer shop labor costs and part required to remedy such parts and/or workmanship at its Dealer place of business. The WARRANTY specifically excludes any charges for delivery, transportation, and/or shipping cost.

If the dealer is requested by the customer to travel or haul the machine to his shop or repair shop for the purpose of preforming a warranty obligation or free inspection, it would be for the customers convenience, and the cost of such a trip is to be paid by the customer. Any arrangement whereby the Dealer agrees to absorb all or a part of the cost is to be made between the Dealer and the Customer. To be considered a courtesy to the Customer by their Dealer.

### **LIMITED WARRANTY**

Outside purchase equipment and accessories (not of Domries manufacture) are warranted only to the extent of the original manufacture's warranty to Domries.

Item limited - Hydraulic cylinders and hose - Bearings - Disc Blades - Wheels - Tires - Tubes - Seals.

No Warranty shall be paid by Domries before the part or parts and labor have been paid to Domries by the manufacturer. Domries shall then compensate the dealer or customer.

### **NO WARRANTY**

(1) New product that has been subjected to operation in excess in recommended capacities, misused, negligence, lack of maintenance or accident or have been altered or repaired in any manner not authorized by Domries.

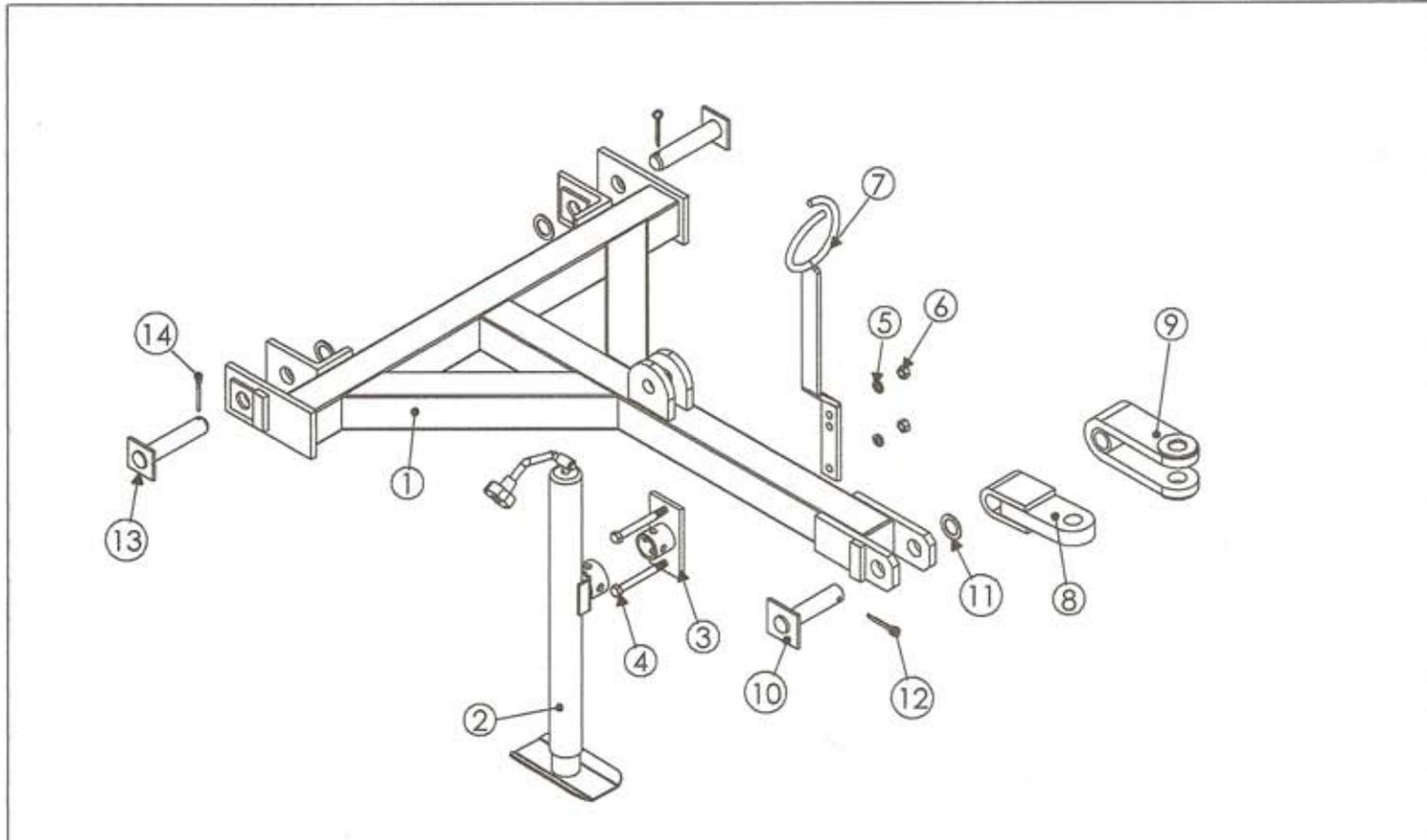
(2) Sharp turns while machine is ground void warranty, with the exception of a drag disc.

Domries shall in no event be responsible for any delay or any other consequential or indirect damage in connection with fulfilling any obligation under this WARRANTY.

Domries reserves the right to make change at any time in designs, materials and/or specifications of it's product without becoming liable or obligated in any way to make similar changes in previously manufactured products.

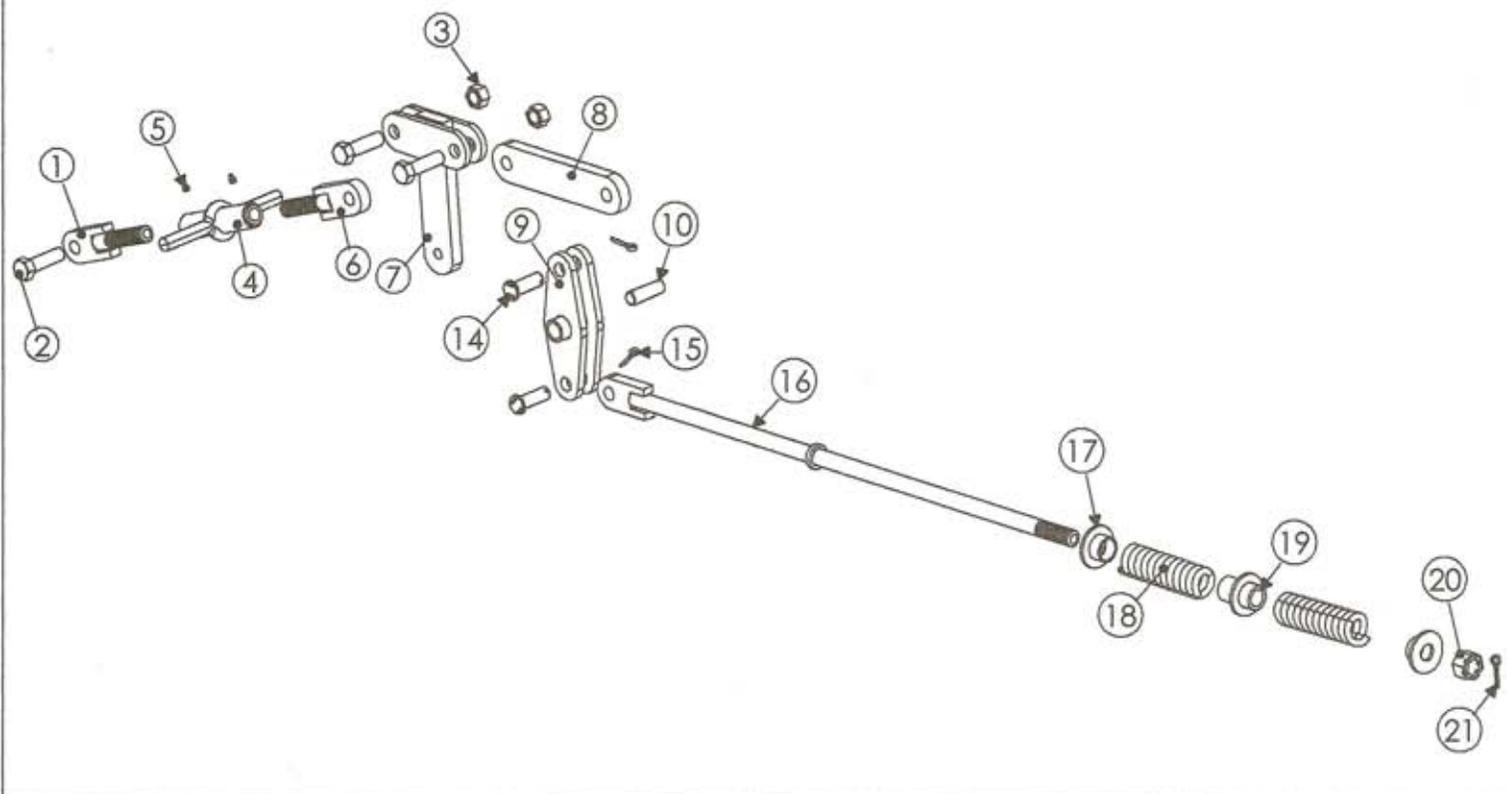
This WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES COVERING DOMRIES PRODUCTS and no other Warranties expressed or implied are made or authorized by Domries Enterprises, Inc.

This WARRANTY BECAME EFFECTIVE with shipments made on or after August 1st 1998



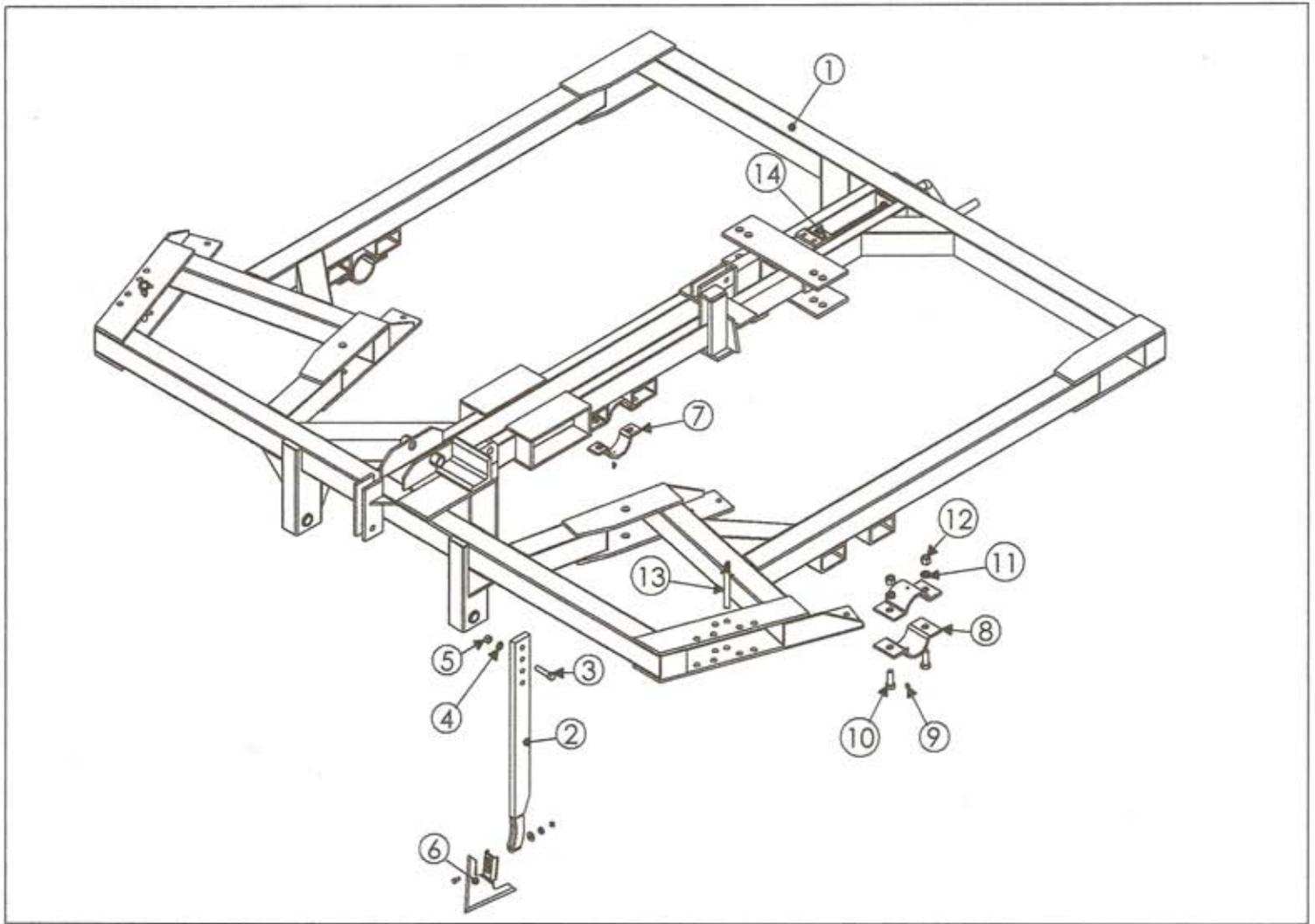
## DRAW BAR, HITCH

REF. #	PART #	DESCRIPTION	APPROX. WT.
1	OTL-130	DRAW BAR HITCH	92.5 LBS.
2	VL-HJ	HITCH JACK -2000 LB. 10" (INC. ALL MOUNTING PARTS)	N/A
3	OL-138	HOLDER-JACK STAND	2.9 LBS.
4	CS12412-5	BOLT - 1/2" NC. X 4 1/2" LG. GR-5	0.2 LBS.
5	LW12	LOCK WASHER - 1/2"	0.1 LBS.
6	N12	NUT - 1/2"	0.2 LBS.
7	OH136	HOSE GUIDE	4.2 LBS.
8	OL-135	TONGUE - SINGLE	11.0 LBS.
9	OL-134	TONGUE - CLEVIS	13.8 LBS.
10	OL-133	PIN - TONGUE	3.1 LBS.
11	FW114	FLAT WASHER - 1 1/4" SAE.	0.1 LBS.
12	CP516212	COTTER PIN - 5/16" X 2 1/2" LG.	0.1 LBS.
13	OH-131	PIN - HITCH	2.5 LBS.
14	CP14134	COTTER PIN - 1/4" X 13/4" LG.	0.1 LBS.



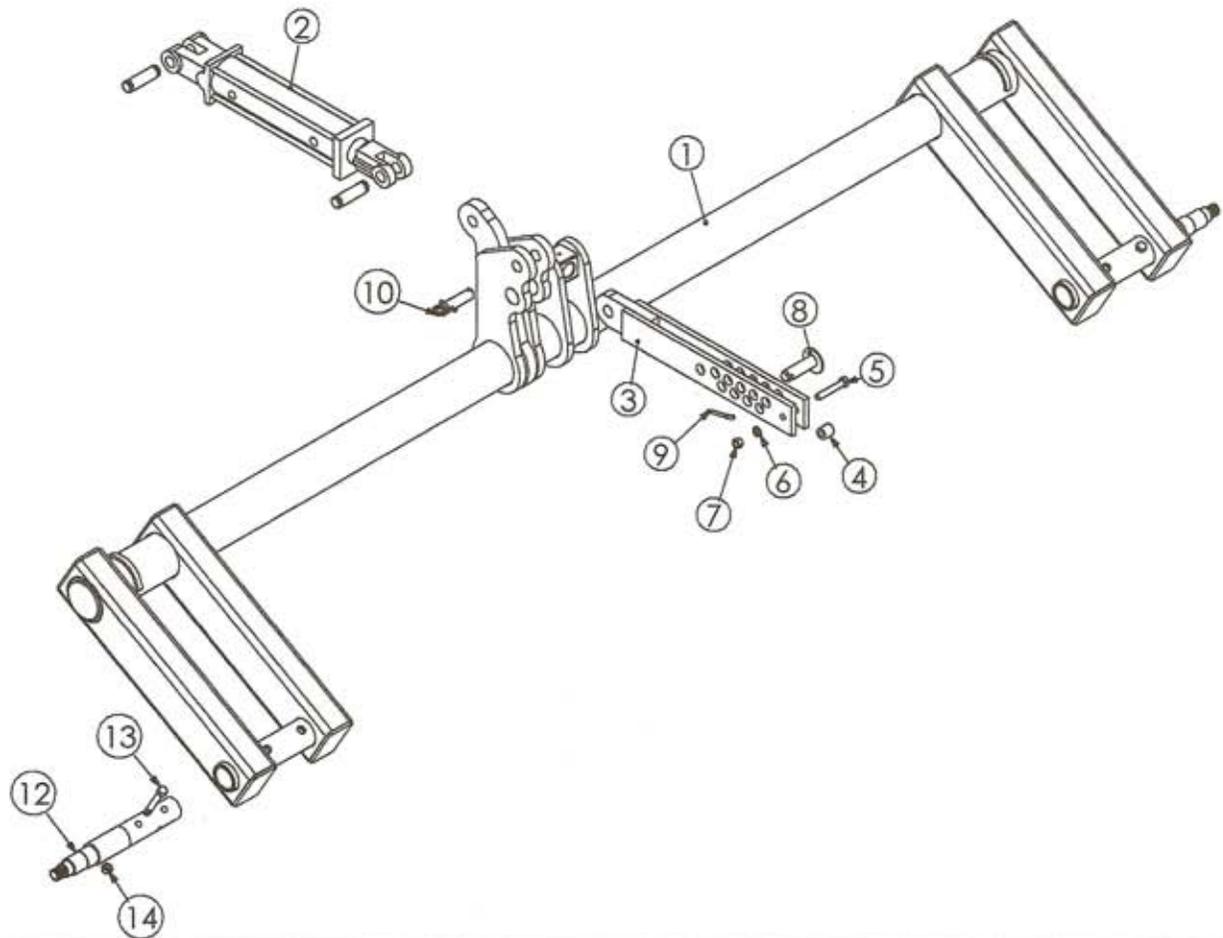
## LEVELING ASSEMBLY

REF. #	PART #	DESCRIPTION	APPROX. WT.
1	OH-140	ROD - TURNBUCKLE L.H.	4.2 LBS.
2	CS1312-5	BOLT - 1' NC. X 3 1/2" LG. GR-5	0.8 LBS.
3	LN1	LOCK NUT - 1"	0.2 LBS.
4	OH-142	BODY - TURNBUCKLE	5.6 LBS.
5	1641	GREASE ZERK	0.1 LBS.
6	OH-143	ROD - TURNBUCKLE R.H.	4.2 LBS.
7	OH-144	HAMMER - LEVELING	17.2 LBS
8	OL-146	LINK - LEVELING	11.0 LBS.
9	OH-147	ROCKER WELDMENT (SWIVEL)	13.9 LBS.
10	OH-148	PIN - ROCKER	0.7 LBS.
11	CS38214-5	BOLT - 3/8" X 2 1/4" LG. GR-5	0.1 LBS.
12	LW38	LOCK WASHER - 3/8"	0.1 LBS.
13	N38	NUT-3/8"	0.1 LBS.
14	OH-145	PIN - CROSS	2.5 LBS.
15	CP142	COTTER PIN - 1/4" X 2" LG.	0.1 LBS.
16	OH-149	LEVELING ROD	19.0 LBS.
17	OH-152	SPRING GUIDE - SINGLE	0.7 LBS.
18	OH-150	SPRING	5.8 LBS.
19	OH-151	SPRING GUIDE - DOUBLE	1.2 LBS.
20	SN114	SLOTTED NUT - 1 1/4"	0.5 LBS.
21	CP14212	COTTER PIN - 1/4" X 2 1/2" LG.	0.1 LBS.



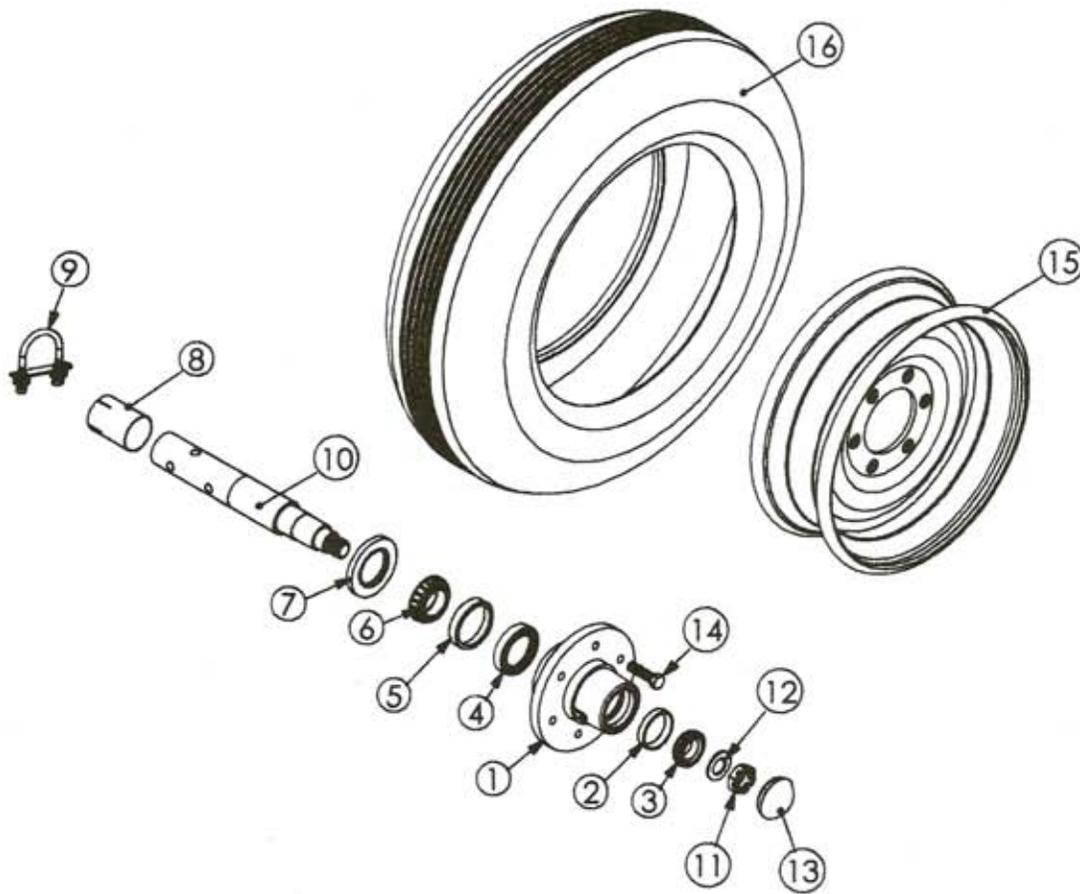
## OTL - MAIN FRAME

REF. #	PART #	DESCRIPTION	APPROX. WT.
1	OL-100	MAIN FRAME - OTL	920.0 LBS.
2	LTD-17	CENTER SHANK	20.0 LBS.
3	OH-112	SWEEP - 8" (SWP-8)	1.7 LBS.
4	PB7163-5	PLOW BOLT - 7/16" NC. X 3" LG. GR. 8	0.2 LBS.
5	FW716	FLAT WASHER - 7/16"	0.1 LBS.
6	LW716	LOCK WASHER - 7/16"	0.1 LBS.
7	N716	NUT - 7/16"	0.1 LBS.
8	OH-116	AXLE CLAMP - INNER	2.3 LBS.
9	OH-117	AXLE CLAMP - OUTER	3.4 LBS.
10	CS342-5	BOLT - 3/4" NC. X 2" LG. GR. 5	0.4 LBS.
11	LW34	LOCK WASHER - 3/4"	0.1 LBS.
12	N34	NUT - 3/4"	0.1 LBS.
13	OL-154	PIN - ANGLE SET	0.8 LBS.
14	CS58314-5	BOLT - 5/8" X 3 1/4" LG. GR. 5	0.5 LBS.
15	LN58	LOCK NUT - 5/8"	0.1 LBS.



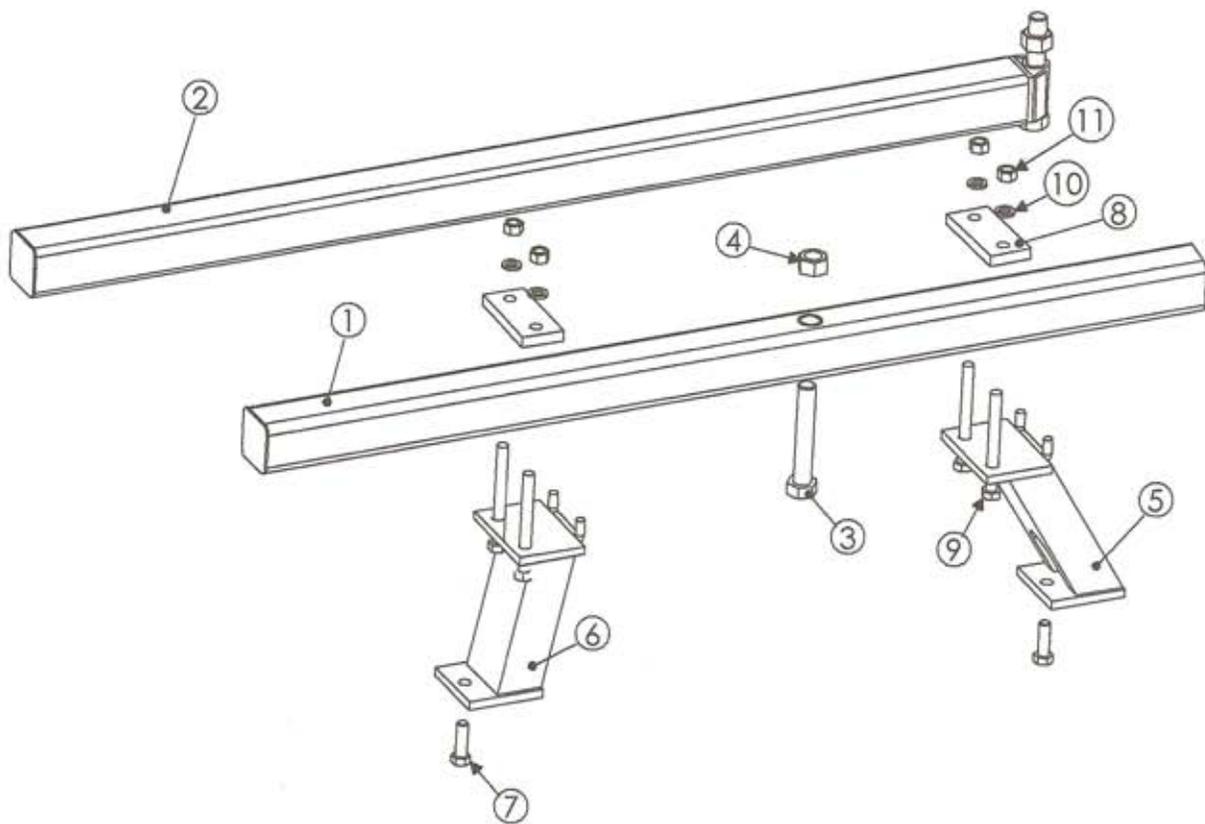
## AXLE ASSEMBLY

REF. #	PART #	DESCRIPTION	APPROX. WT.
1	OL-115	AXLE-WELD-OTL	248.0 LBS.
2	JJ-90	HYD. CYLINDER - 3" DIA. X 12" STRK. (W/PINS)	30.0 LBS.
3	OH-125	SET BAR-DEPTH	20.0 LBS.
4	OH-125A	BUSHING SPACER, SET BAR	0.2 LBS.
5	CS12234-5	BOLT - 1/2" NC. X 2 3/4" GR. 5	0.1 LBS.
6	LW12	LOCK WASHER - 1/2"	N/A
7	N12	NUT - 1/2"	0.3 LBS.
8	OH-128	PIN - DEPTH ADJ.	0.1 LBS.
9	HP6	COTTER -HAIR PIN	0.1 LBS.
10	OH-126	PIN - SET BAR	0.6 LBS.
11	CP14212	COTTER PIN - 1/4" X 2 1/2" LG.	0.1 LBS.
12	DSH-312-S	SPINDLE SLIP IN	N/A
13	CS12312-5	BOLT - 1/2" NC. X 3 1/2" LG. GR-5	N/A
14	LN12	LOCK NUT-1/2"	N/A



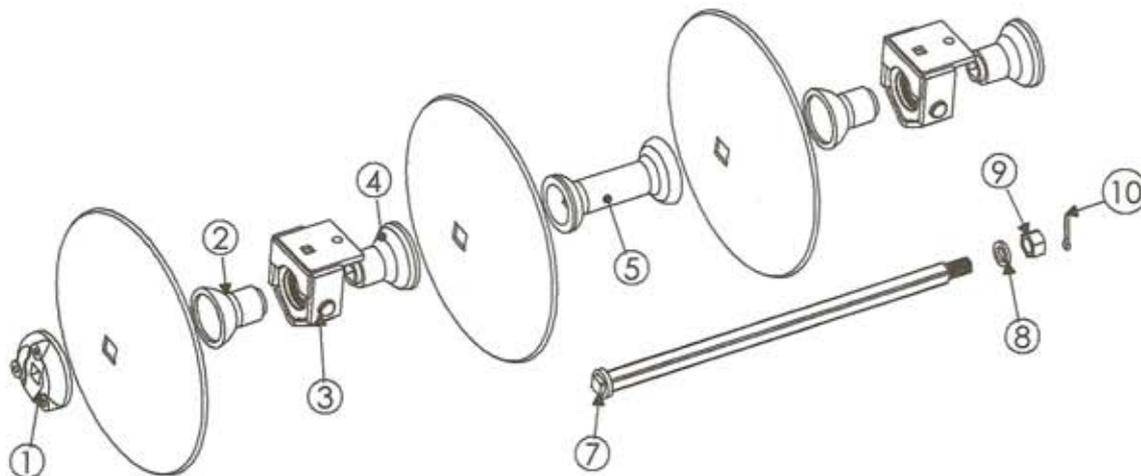
## SPINDLE ASSEMBLY

REF#	PART #	DESCRIPTION	WT/LB.
1	DSH-302	HUB	10.0 LBS.
2	DSH-303	BEARING CUP, OUTER	0.1 LBS.
3	DSH-304	BEARING CONE, OUTER	0.3 LBS.
4	DSH-307	INNER SEAL	0.1 LBS.
5	DSH-305	BEARING CUP, INNER	0.2 LBS.
6	DSH-306	BEARING CONE, INNER	0.4 LBS.
7	DSH-308	OUTER SEAL	0.1 LBS.
8	DSH-309	TUBING SLEEVE	0.3 LBS.
9	DSH-310	CLAMP ASSY.	0.3 LBS.
10	DSH-312-S	SLIP IN SPINDLE	9.0 LBS.
11	DSH-313	SLOTTED NUT	0.1 LBS.
12	DSH-314	SPINDLE WASHER	0.01 LBS.
13	DSH-316	DUST CAP	0.2 LBS.
14	DSH-318	LUG BOLT - (1/2" NF X 1" LG.)	0.1 LBS.
15	JJ-19	WHEEL-15 X 6, 6 (1/2)	23.0 LBS.
16	JJ-20	TIRE - 7.60-15, RIB 6 PLY	24.0 LBS.



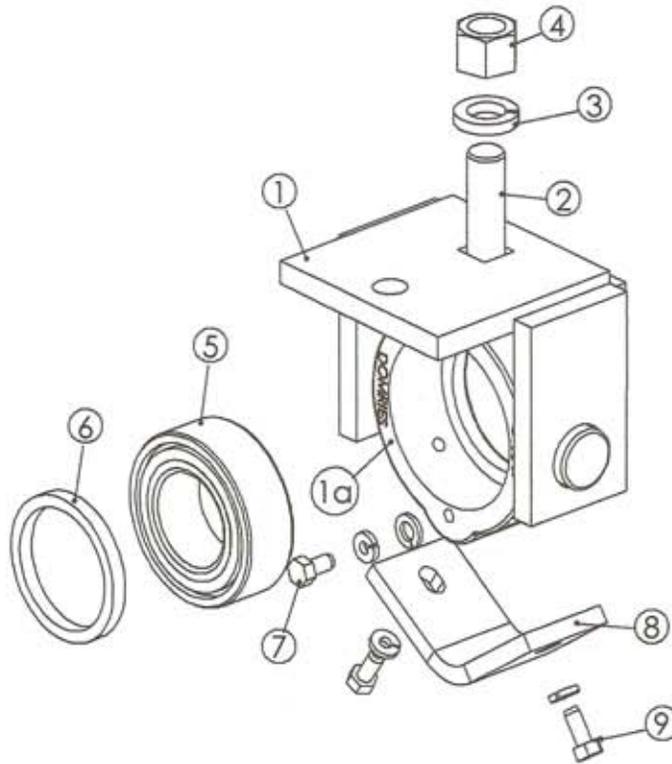
## GANG FRAMES

REF. #	PART #	DESCRIPTION	APPROX. WT.
1	OL-157	FRONT GANG TUBE RIGHT OR LEFT, 7 BLADE	N/A
	OL-161	FRONT GANG TUBE RIGHT OR LEFT, 8 BLADE	N/A
	OL-162	FRONT GANG TUBE RIGHT OR LEFT, 9 BLADE	N/A
	OL-163	FRONT GANG TUBE RIGHT OR LEFT, 10 BLADE	N/A
	OL-159	FRONT GANG TUBE RIGHT OR LEFT, 11 BLADE	N/A
2	OL-158	REAR GANG TUBE RIGHT OR LEFT, 7 BLADE	N/A
	OL-165	REAR GANG TUBE RIGHT OR LEFT, 8 BLADE	N/A
	OL-164	REAR GANG TUBE RIGHT OR LEFT, 9 BLADE	N/A
	OL-170	REAR GANG TUBE RIGHT OR LEFT, 10 BLADE	N/A
	OL-173	REAR GANG TUBE RIGHT OR LEFT, 11 BLADE	N/A
3	CS1612-5	BOLT - 1' NC. X 6 1/2" LG. GR. 5	N/A
4	LN1	LOCK NUT - 1"	N/A
5	OL-155	BRG. RISER - INSIDE	N/A
6	OL-156	BRG. RISER - OUTSIDE	N/A
7	CS582-5	BOLT - 5/8" NC. X 2" LG. GR. 5	N/A
8	OL-160	CLAMP - RISER	N/A
9	CS586-5	BOLT - 5/8" NC. X 6" LG. GR. 5	N/A
10	LW58	LOCK WASHER - 5/8"	N/A
11	N58	NUT - 5/8"	N/A



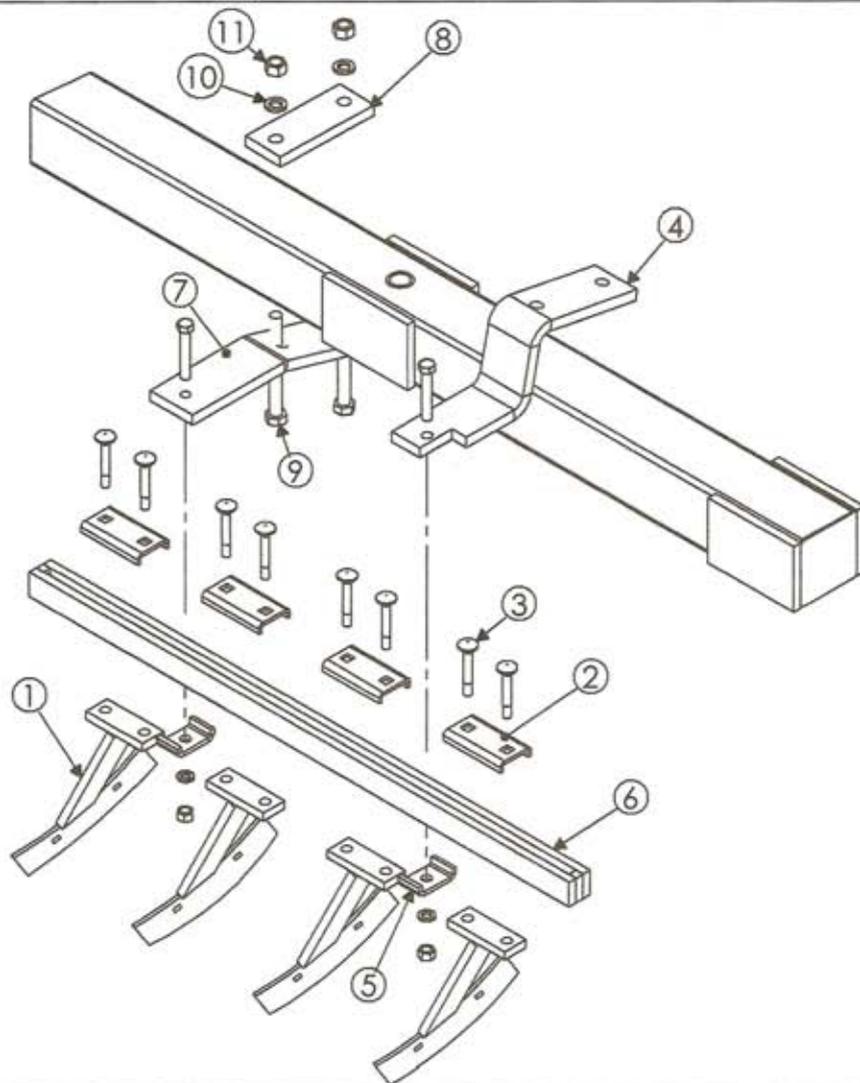
## GANG ASSEMBLY

REF. #	PART #	DESCRIPTION	APPROX. WT.
1	JDE-18	EXT. WASHER - CVX 1 1/8" SQ. (INSIDE OF BLADE)	N/A
	JDE-19	EXT. WASHER - CCV 1 1/8" SQ. (OUTSIDE OF BLADE)	N/A
2	K84	HALF SPOOL - CVX 1 1/8" SQ.	N/A
3	K-80-A-KIT	BEARING ASSY. - COMPLETE	N/A
4	K83	HALF SPOOL - CCV, 1 1/8" SQ. 9" SPACING	N/A
5	JTL80	SPACER SPOOL - 1 1/8" SQ. 9"	N/A
6	J57S	END WASHER - 1 1/8" SQ. (UNIVERSAL)	N/A
7	GR-4	GANG ROD - 1 1/8" SQ., 4 BLADE 9" SPACING	N/A
	GR-5	GANG ROD - 1 1/8" SQ., 5 BLADE 9" SPACING	N/A
	GR-6	GANG ROD - 1 1/8" SQ., 6 BLADE 9" SPACING	N/A
	GR-7	GANG ROD - 1 1/8" SQ., 7 BLADE 9" SPACING	N/A
	GR-8	GANG ROD - 1 1/8" SQ., 8 BLADE 9" SPACING	N/A
8	LW118	LOCK WASHER - 1 1/8"	N/A
9	SN118	SLOTTED NUT - 1 1/8"	N/A
10	CP14212	COTTER PIN - 1/4" X 2 1/2" LG.	N/A



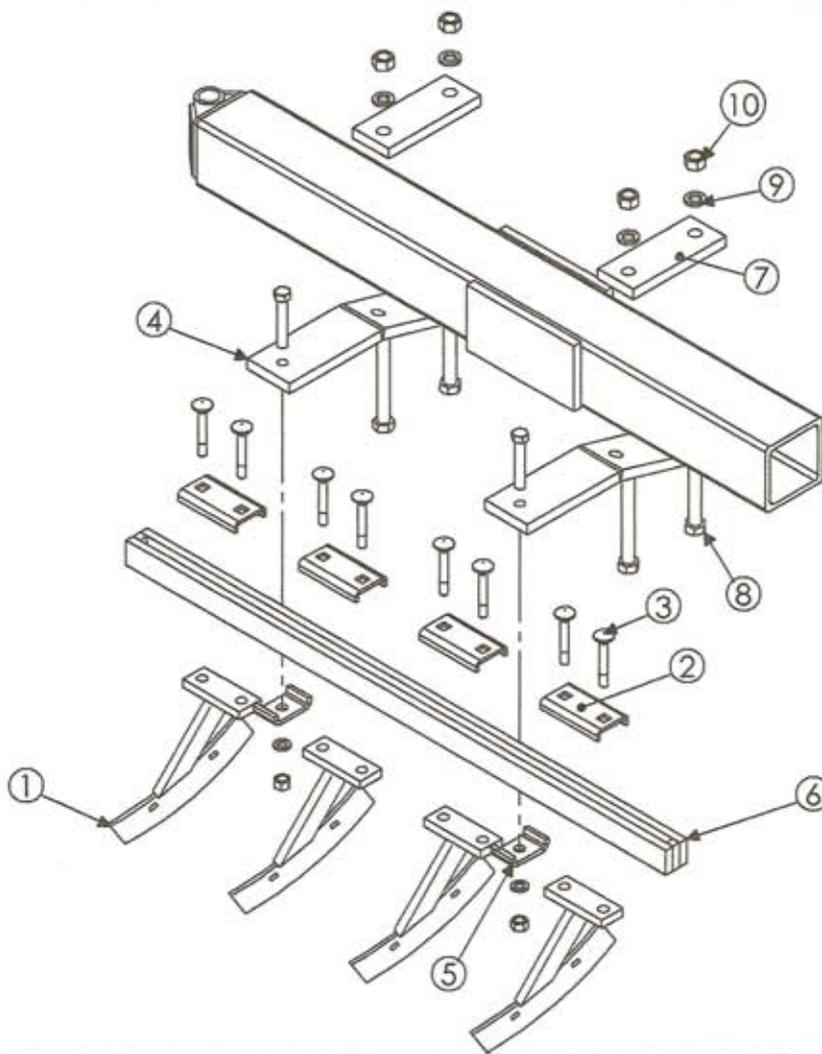
## K-80-A-KIT

REF#	PART #	DESCRIPTION	WT/LB.
1	K 81	BRG. HOUSING WELDMENT	10.0 LBS.
1a	K81C	HOUSING - GNG. BRG.	4.4 LBS.
2	PB34214-8	PLOW BOLT - 3/4" NC. X 2 1/4" LG. GR. 8	0.1 LBS.
3	LW34	LOCK WASHER - 3/4"	0.1 LBS.
4	N34	NUT - 3/4"	0.2 LBS.
5	K85	BEARING - SEALED, 1 1/8" SQ.	1.8 LBS.
6	K86	RETAINING RING	0.2 LBS.
7	CS51658-5	BOLT - 5/16" NC. X 5/8" LG. GR. 5	0.2 LBS.
	LW14	LOCK WASHER - 1/4"	0.1 LBS.
	LW38	LOCK WASHER - 3/8"	0.1 LBS.
8	K88	WEAR PLATE	1.5 LBS.
9	CS51634-5	BOLT - 5/16" NC. X 3/4" GR. 5	0.2 LBS.
	LW14	LOCK WASHER - 1/4"	0.1 LBS.



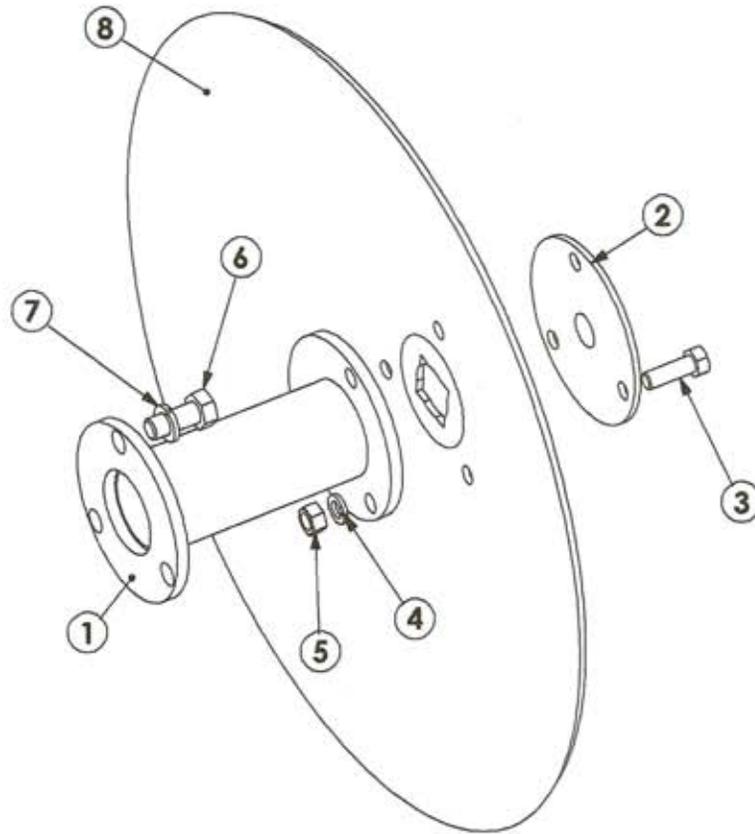
## OTL-FRONT CLEANER SET

REF. #	PART #	DESCRIPTION	APPROX. WT.
1	OHCP-25	CLEANER ARM L. FRONT OR R. REAR	3.5 LBS.
	OHCP-26	CLEANER ARM R. FRONT OR L. REAR	3.5 LBS.
2	WOC-110	CLAMP CLEANER ARM	0.5 LBS.
3	CB123-5	CARRIAGE BOLT - 1/2" NC. X 3" LG. GR. 5	N/A
	LW12	LOCK WASHER - 1/2"	N/A
	N12	NUT - 1/2"	N/A
4	VLC-61	BRACKET CLEANER BAR FRONT	N/A
5	JCP28	CLIP	N/A
	CS123-5	BOLT - 1/2" X 3" LG. GR. 5	N/A
	LW12	LOCK WASHER - 1/2"	N/A
	N12	NUT - 1/2"	N/A
6	OHCP-70	CLEANER BAR 7 BLD. FRONT	16 LBS.
	OHCP-78	CLEANER BAR 8 BLD. FRONT	18 LBS.
	OHCP-89	CLEANER BAR 9 BLD. FRONT	20 LBS.
	OHCP-90	CLEANER BAR 10 BLD. FRONT	20 LBS.
	OHCP-101	CLEANER BAR 11 BLD. FRONT	20 LBS.
7	OLCP-20	BRACKET BAR SUPPORT ( 6 PER. DISC)	6.7 LBS.
8	OL-160	CLAMP	N/A
9	CS586-5	BOLT - 5/8" X 6" LG. GR. 5	N/A
10	LW58	LOCK WASHER - 5/8"	N/A
11	N58	NUT - 5/8"	N/A



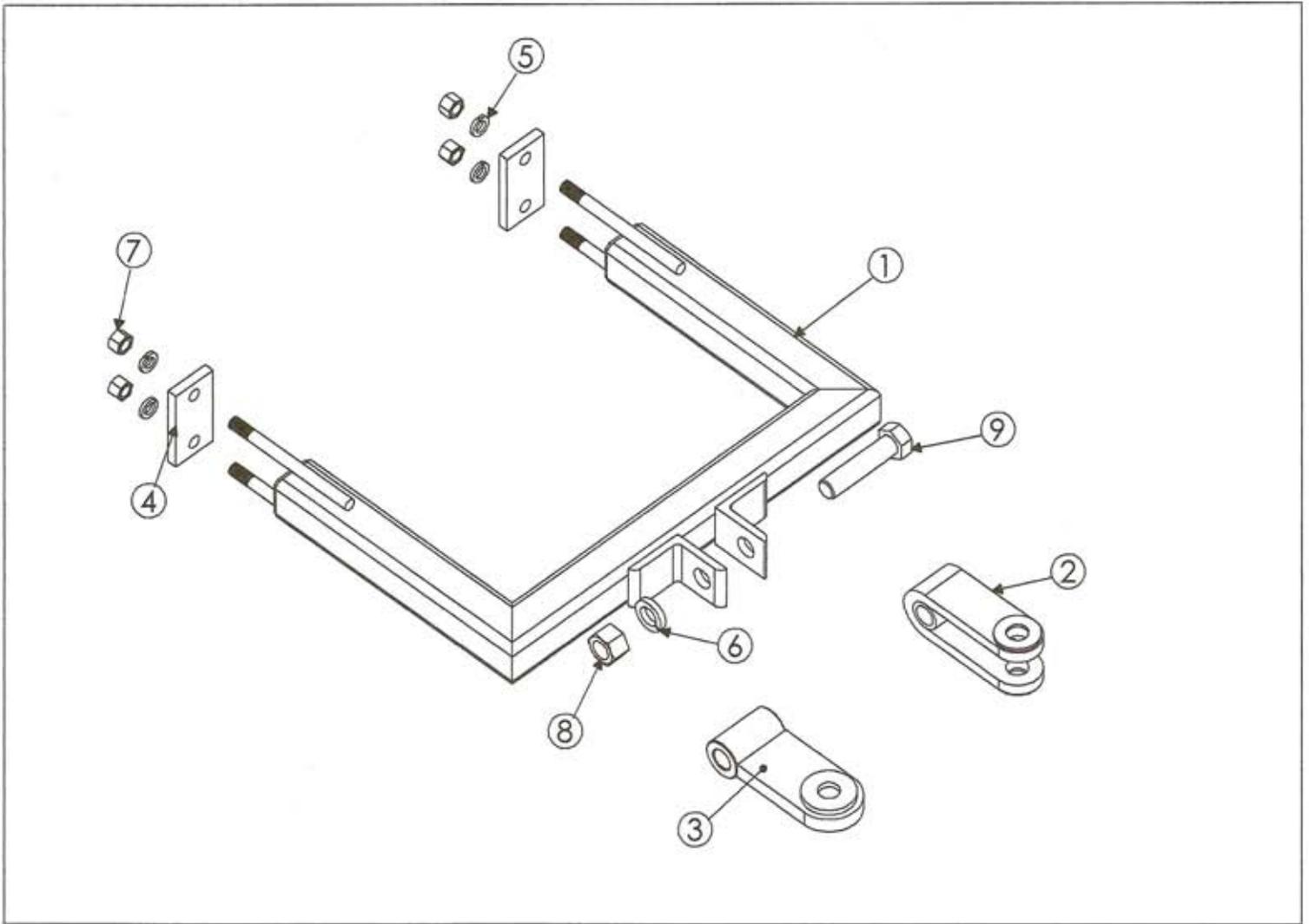
## OTL - REAR CLEANER SET

REF. #	PART #	DESCRIPTION	APPROX. WT.
1	OHCP-25	CLEANER ARM L. FRONT OR R. REAR	3.5 LBS.
	OHCP-26	CLEANER ARM R. FRONT OR L. REAR	3.5 LBS.
2	WOC-110	CLAMP CLEANER ARM	0.5 LBS.
3	CB123-5	CARRIAGE BOLT - 1/2" X 3" LG. GR. 5	N/A
	LW12	LOCK WASHER - 1/2"	N/A
	N12	NUT - 1/2"	N/A
4	OLCP-20	BRACKET BAR SUPPORT ( 6 PER. DISC)	6.7 LBS.
5	JCP28	CLIP	N/A
	CS123-5	BOLT - 1/2" X 3" LG. GR. 5	N/A
	LW12	LOCK WASHER - 1/2"	N/A
	N12	NUT - 1/2"	N/A
6	OHCP-78	CLEANER BAR 7 BLD. REAR	16 LBS.
	OHCP-89	CLEANER BAR 8 BLD. REAR	18 LBS.
	OHCP-90	CLEANER BAR 9 BLD. REAR	20 LBS.
	OHCP-101	CLEANER BAR 10 BLD. REAR	20 LBS.
	OHCP-110	CLEANER BAR 11 BLD. REAR	20 LBS.
7	OL-160	CLAMP	N/A
8	CS586-5	BOLT - 5/8" X 6" LG. GR. 5	N/A
9	LW58	LOCK WASHER - 5/8"	N/A
10	N58	NUT - 5/8"	N/A



## EXTENSION SPOOL ASSEMBLY

REF#	PART #	DESCRIPTION	WT/LB.
1	JDE-16	EXT. SPOOL - FRONT, 1 1/8" SQ	9.0 LBS.
	JDE-17	EXT. SPOOL - REAR, 1 1/8" SQ.	9.0 LBS.
2	JDE-20	CAP - STEEL UNIVERSAL	2.5 LBS.
3	CS12112-5	BOLT - 1/2" NC. X 1 1/2" LG. GR. 5	0.2 LBS.
4	LW 12	LOCK WASHER - 1/2"	0.1 LBS.
5	N12	NUT - 1/2"	0.1 LBS.
6	CS58134-5	BOLT - 5/8" NC. X 1 3/4" LG. GR. 5	0.3 LBS.
7	LW 58	LOCK WASHER - 5/8"	0.1 LBS.
8	EDB	EXT. BLADE ( VARIES PER MODEL OF DISC)	N/A



## UTILITY HITCH

REF #	PART #	DESCRIPTION	WT./LB.
1	VL-UH	UTILITY HITCH SINGLE EAR TYPE	N/A
2	OL-134	CLEVIS TONGUE	N/A
3	OL-135	SINGLE LIP TONGUE	N/A
4	CLAMP PLATES	COMES WITH UTILITY HITCH	N/A
5	LW34	LOCK WASHER -3/4"	N/A
6	LW114	LOCK WASHER -1 1/4"	N/A
7	N34	NUT - 3/4"	N/A
8	N114	NUT -1 1/4"	N/A
9	CS1146-5	BOLT - 1 1/4" NC. X 6" LG. GR. 5	N/A