

# **BORDER DISC BD SERIES**

**PARTS  
AND  
OPERATOR  
MANUAL**

**BD-4444  
4 Blade Adj**

**BD-6666  
4 Blade Adj**

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**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.**

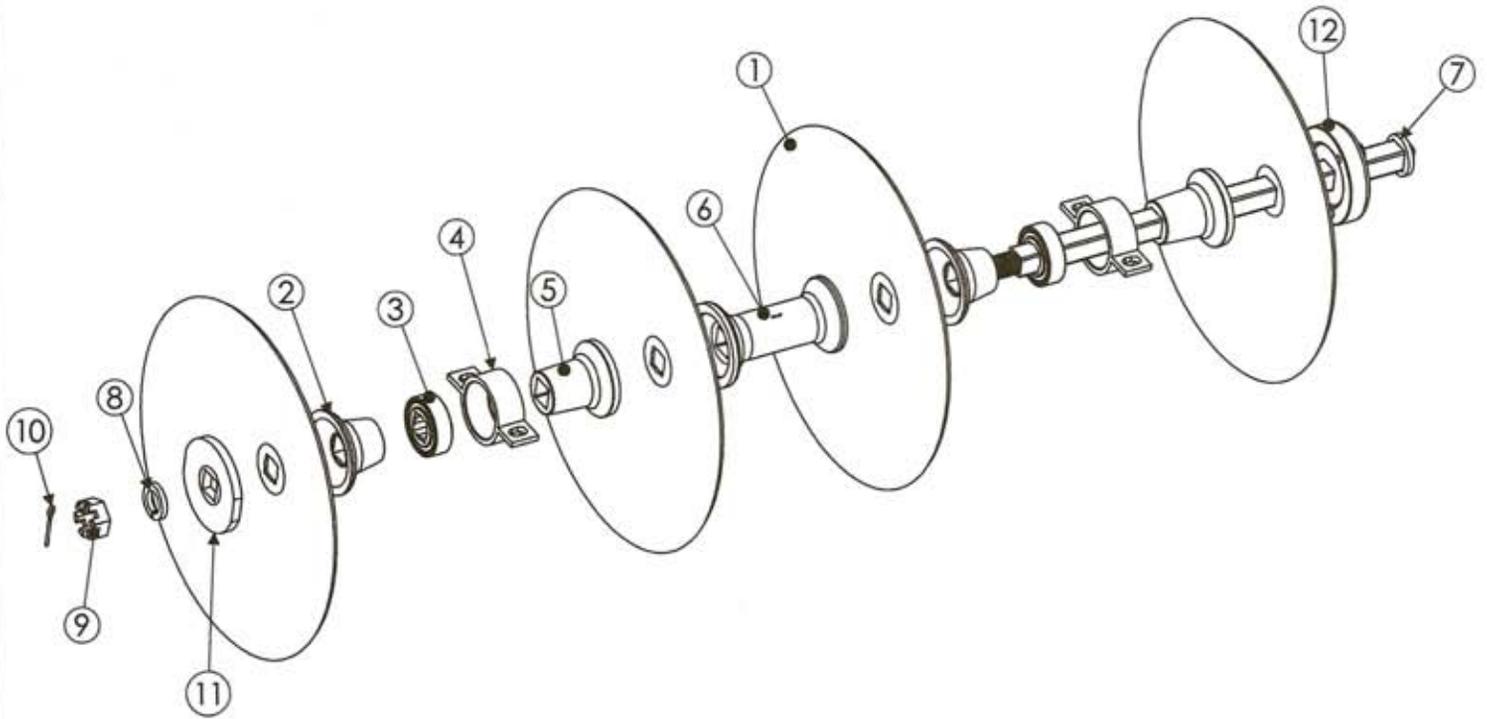
**Many hours of lost time and much suffering is caused by the failure to practice simple safety rules.**

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.

# BD-4444



## GANG ASSEMBLY

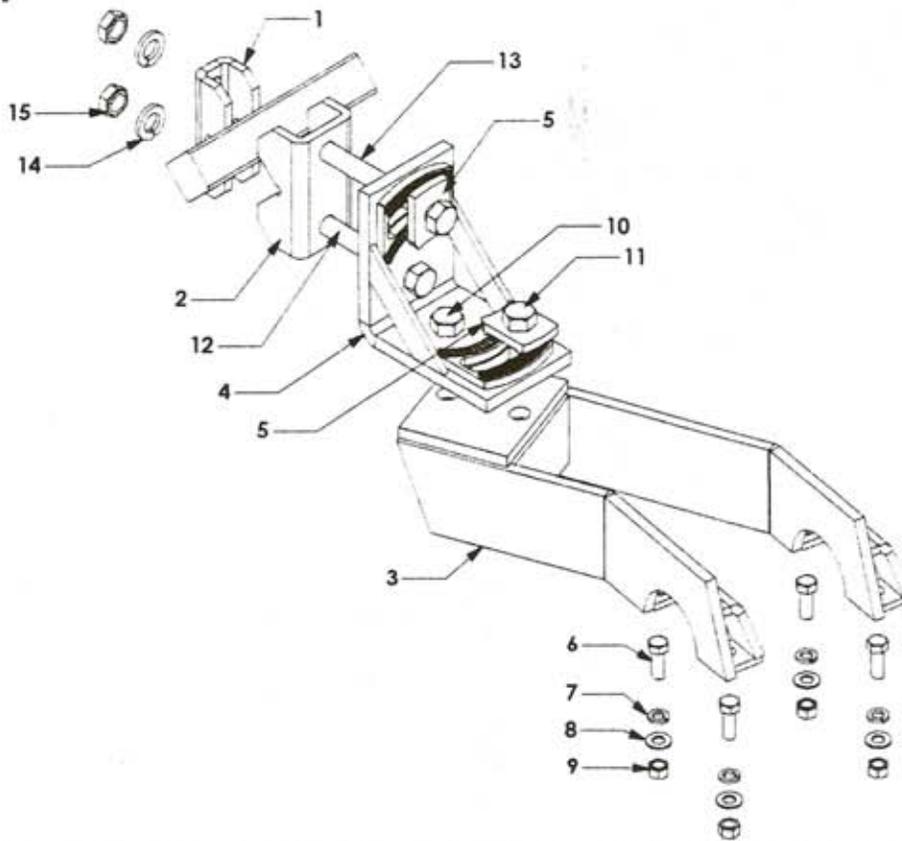
REF#	PART #	DESCRIPTION	WT/LB.
1	20-5016	24 X 7 GA. STD. SID. EDGE DISC BLADE	23.59 LBS.
2	BD-11220	HALF SPOOL - CCV, 1 1/2" SQ.	5.3 LBS.
3	X-85	BRG. - 1 1/2" SQ., SEALED	2.0 LBS.
4	BD-11222	HOUSING - BRG., 1 1/2" SQ.	3.3 LBS.
5	BD-11225	HALF SPOOL - CVX, 1 1/2" SQ.	5.0 LBS.
6	X-90	FULL SPOOL - 1 1/2" SQ., 9" SPACING	12.0 LBS.
7	XGR-4	GANG ROD - 1 1/2" SQ., 4 BLADE 9" SPACING	20.0 LBS.
8	LX112	LOCK WASHER - 1 1/2"	0.2 LBS.
9	SN112	SLOTTED NUT - 1 1/2" NC., HEX	0.8 LBS.
10	CP316212	COTTER PIN - 3/16" X 2 1/2" LG.	0.1 LBS.
11	X-98	END WASHER - UNIVERSAL, 1 1/2" SQ.	4.7 LBS.
12	JXE-19	EXT. WASHER - CCV, 1 1/2" SQ.	8.0 LBS.

# **BORDER MAKERS**

**BD-4444**

**4 Blade Adjutment**

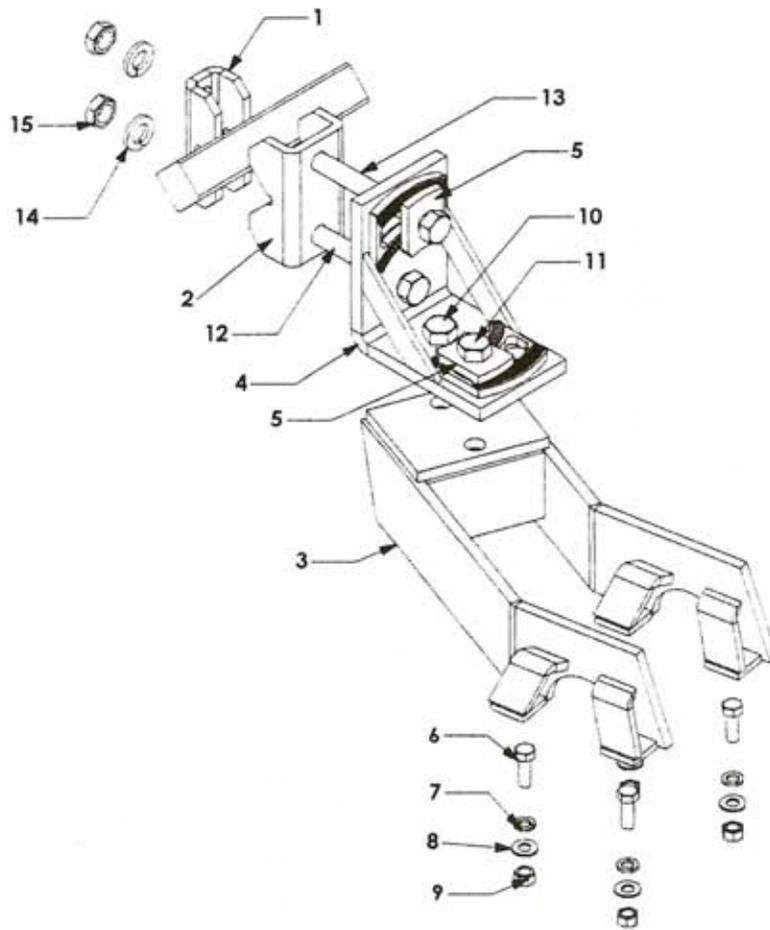
# BD-4444



## MAIN FRAME ASSEMBLY (RIGHT HAND)

REF#	PART #	DESCRIPTION	WT/LB.
1	ACC-4	CAP-CLAMP, 2 1/4" SQ. TB	4.5 LBS.
2	ACC-6	CLAMP - WIDE	5.0 LBS.
3	BD-11215-4	GANG FRAME - R.H.	57.0 LBS.
4	BD-11810	ANGLE HEAD	22.1 LBS.
5	BD-11818	WASHER CLAW	1.1 LBS.
6	CS58134-5	BOLT - 5/8" NC. X 1 3/4" LG. GR5	0.3 LBS.
7	FW58	FLAT WASHER - 5/8"	N/A
8	LW58	LOCK WASHER - 5/8"	N/A
9	N58	NUT - 5/8" NC. HEX	N/A
10	C1212-5	BOLT - 1" NC. X 2 1/2" LG. GR. 5	0.9 LBS.
11	CS1312-5	BOLT - 1" NC. X 3 1/2" LG. GR. 5	1.1 LBS.
12	CS1712-5	BOLT - 1" NC. X 7 1/2" LG. GR. 5	2.5 LBS.
13	CS19-5	BOLT - 1" NC. X 9" LG. GR. 5	2.8 LBS.
14	LW1	LOCK WASHER - 1"	N/A
15	N1	NUT - 1" NC.	N/A

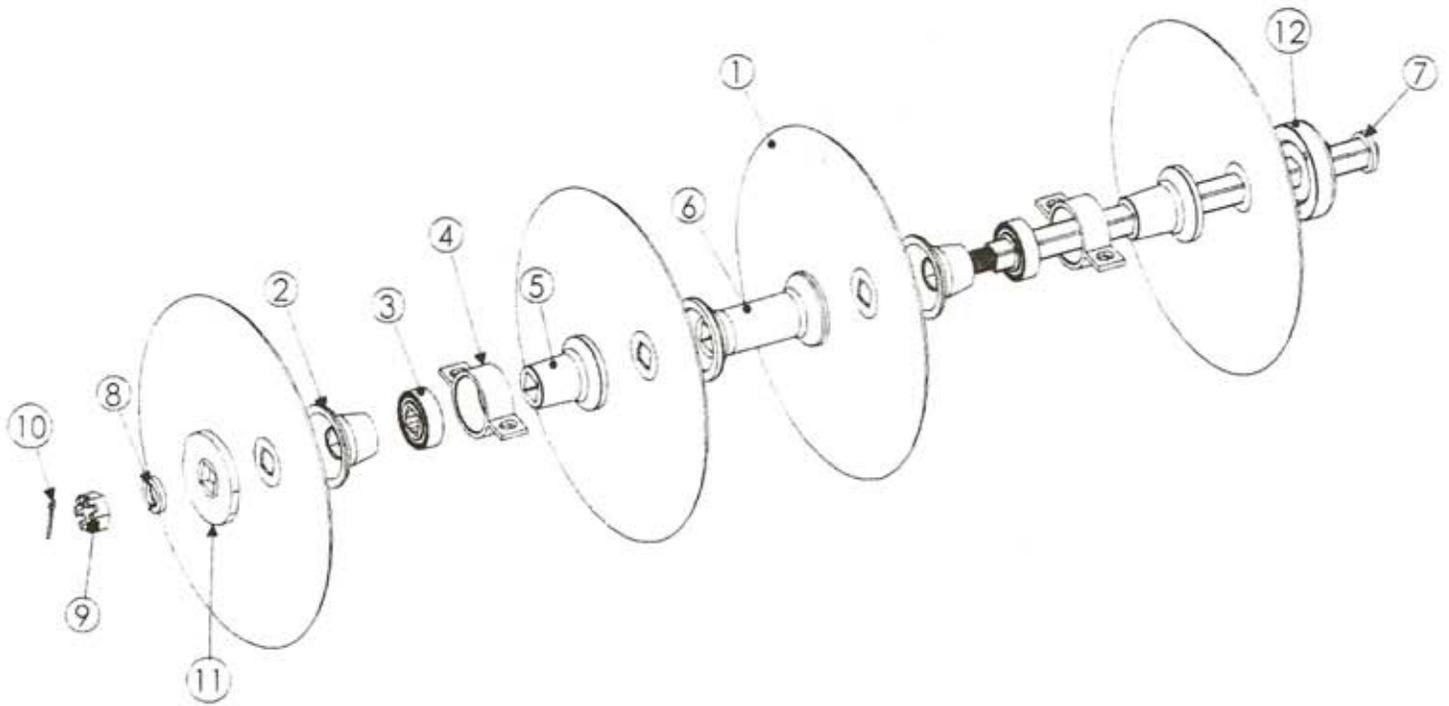
**BD-4444**



## MAIN FRAME ASSEMBLY (LEFT HAND)

REF#	PART #	DESCRIPTION	WT/LB.
1	ACC-4	CAP-CLAMP, 2 1/4" SQ. TB	4.5 LBS.
2	ACC-6	CLAMP - WIDE	5.0 LBS.
3	BD-11216-4	GANG FRAME - L H.	57.0 LBS.
4	BD-11810	ANGLE HEAD	22.1 LBS.
5	BD-11818	WASHER CLAW	1.1 LBS.
6	CS58134-5	BOLT - 5/8" NC, X 1 3/4" LG. GR5	0.3 LBS.
7	FW58	FLAT WASHER - 5/8"	N/A
8	LW58	LOCK WASHER - 5/8"	N/A
9	N58	NUT - 5/8" NC. HEX	N/A
10	C1212-5	BOLT - 1" NC. X 2 1/2" LG. GR. 5	0.9 LBS.
11	CS1312-5	BOLT - 1" NC. X 3 1/2" LG. GR. 5	1.1 LBS.
12	CS1712-5	BOLT - 1" NC. X 7 1/2" LG. GR. 5	2.5 LBS.
13	CS19-5	BOLT - 1" NC. X 9" LG. GR. 5	2.8 LBS.
14	LW1	LOCK WASHER - 1"	N/A
15	N1	NUT - 1" NC	N/A

**BD-4444**



## GANG ASSEMBLY

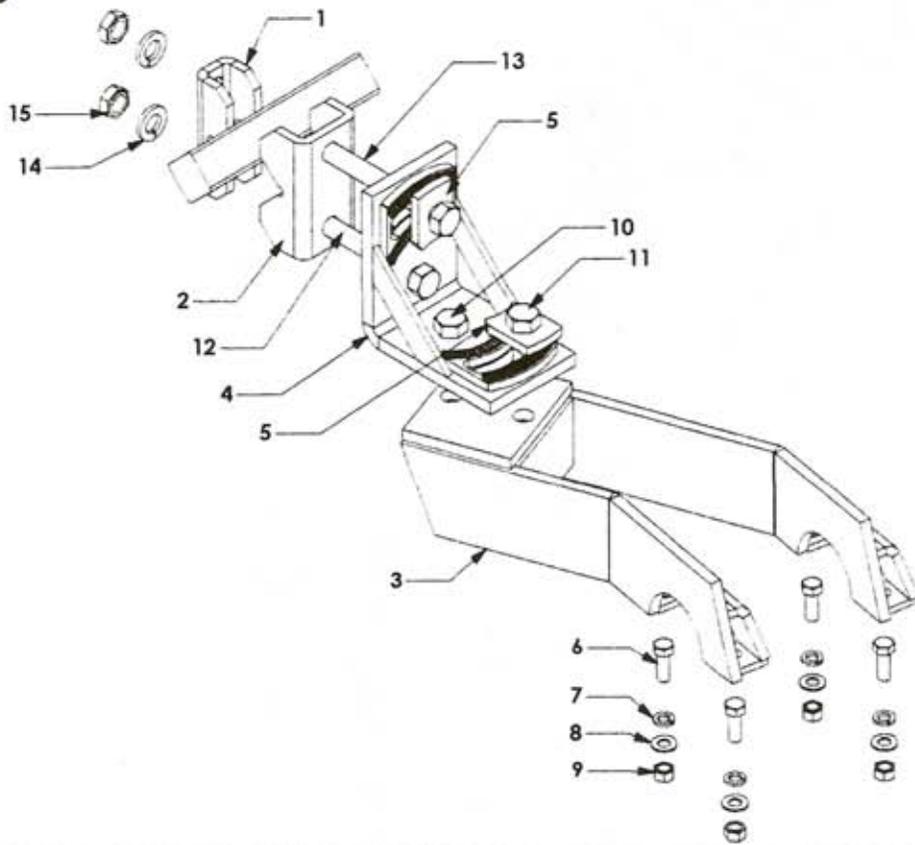
REF#	PART #	DESCRIPTION	WT/LB.
1	20-5016	24 X 7 GA. STD. SID. EDGE DISC BLADE	23.59 LBS.
2	BD-11220	HALF SPOOL - CCV, 1 1/2" SQ.	5.3 LBS.
3	X-85	BRG. - 1 1/2" SQ., SEALED	2.0 LBS.
4	BD-11222	HOUSING - BRG., 1 1/2" SQ.	3.3 LBS.
5	BD-11225	HALF SPOOL - CVX, 1 1/2" SQ.	5.0 LBS.
6	X-90	FULL SPOOL - 1 1/2" SQ., 9" SPACING	12.0 LBS.
7	XGR-4	GANG ROD - 1 1/2" SQ., 4 BLADE 9" SPACING	20.0 LBS.
8	LX112	LOCK WASHER - 1 1/2"	0.2 LBS.
9	SN112	SLOTTED NUT - 1 1/2" NC., HEX	0.8 LBS.
10	CP316212	COTTER PIN - 3/16" X 2 1/2" LG.	0.1 LBS.
11	X-98	END WASHER - UNIVERSAL, 1 1/2" SQ.	4.7 LBS.
12	JXE-19	EXT. WASHER - CCV, 1 1/2" SQ.	8.0 LBS.

# **BORDER MAKERS**

**BD-6666**

**4 Blade Adjutment**

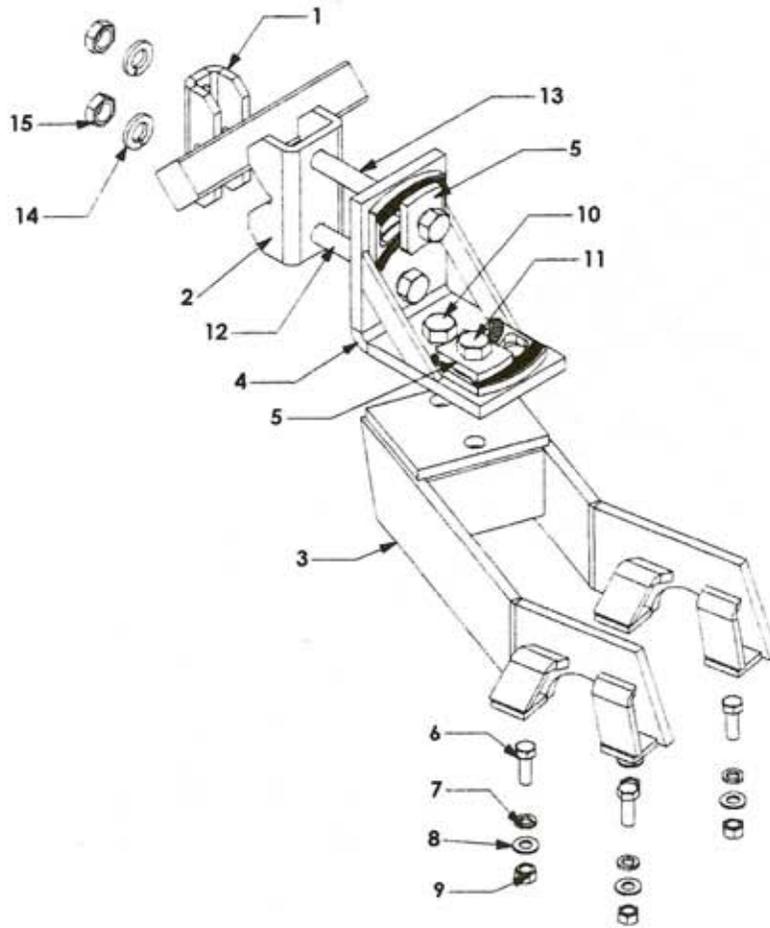
**BD-6666**



## MAIN FRAME ASSEMBLY (RIGHT HAND)

REF#	PART #	DESCRIPTION	WT/LB.
1	ACC-4	CAP-CLAMP, 2 1/4" SQ. TB	4.5 LBS.
2	ACC-6	CLAMP - WIDE	5.0 LBS.
3	BD-11215-4	GANG FRAME - R.H.	57.0 LBS.
4	BD-11810	ANGLE HEAD	22.1 LBS.
5	BD-11818	WASHER CLAW	1.1 LBS.
6	CS58134-5	BOLT - 5/8" NC. X 1 3/4" LG. GR5	0.3 LBS.
7	FW58	FLAT WASHER - 5/8"	N/A
8	LW58	LOCK WASHER - 5/8"	N/A
9	N58	NUT- 5/8" NC. HEX	N/A
10	C1212-5	BOLT - 1" NC. X 2 1/2" LG. GR. 5	0.9 LBS.
11	CS1312-5	BOLT - 1" NC. X 3 1/2" LG. GR. 5	1.1 LBS.
12	CS1712-5	BOLT - 1" NC. X 7 1/2" LG. GR. 5	2.5 LBS.
13	CS19-5	BOLT - 1" NC. X 9" LG. GR. 5	2.8 LBS.
14	LW1	LOCK WASHER - 1"	N/A
15	N1	NUT-1" NC.	N/A

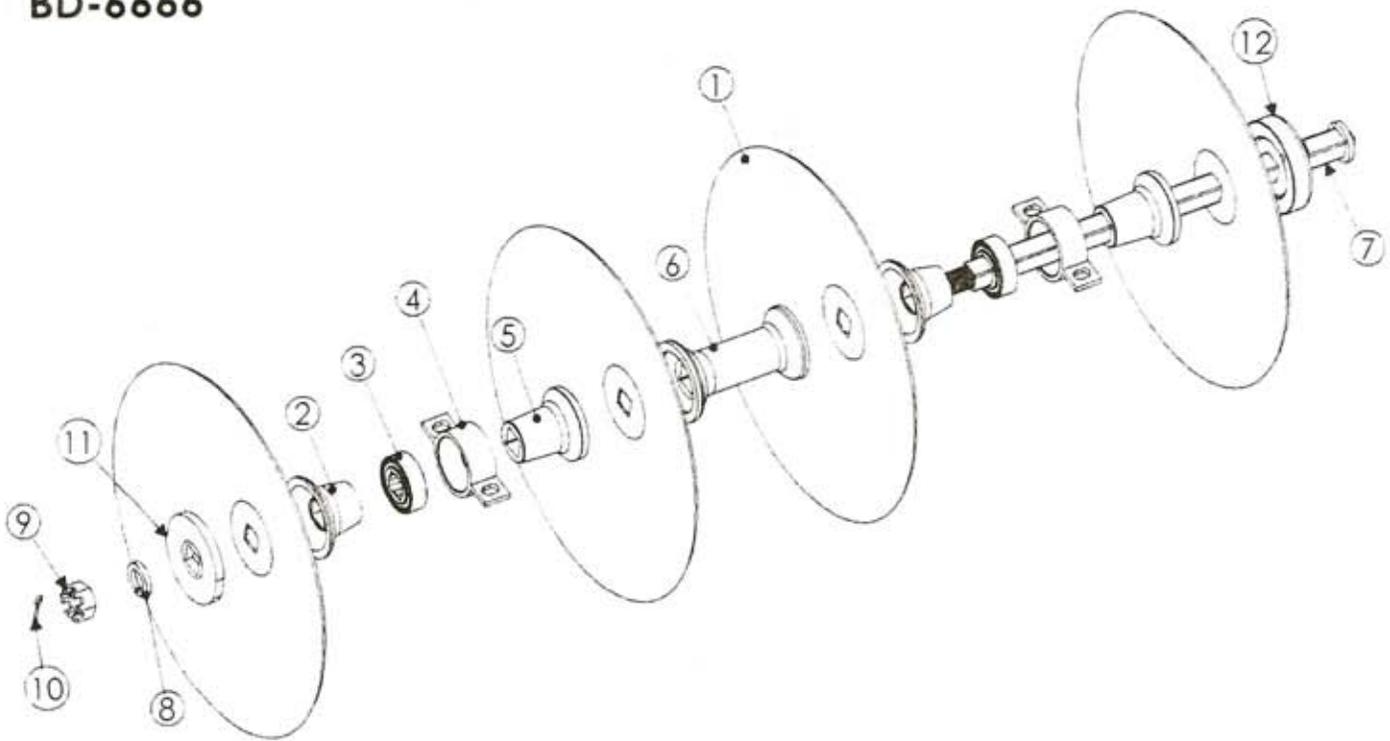
BD-6666



## MAIN FRAME ASSEMBLY (LEFT HAND)

REF#	PART #	DESCRIPTION	WT/LB.
1	ACC-4	CAP-CLAMP, 2 1/4" SQ. TB	4.5 LBS.
2	ACC-6	CLAMP - WIDE	5.0 LBS.
3	BD-11216-4	GANG FRAME - L.H.	57.0 LBS.
4	BD-11810	ANGLE HEAD	22.1 LBS.
5	BD-11818	WASHER CLAW	1.1 LBS.
6	CS58134-5	BOLT - 5/8" NC. X 1 3/4" LG. GR5	0.3 LBS.
7	FW58	FLAT WASHER - 5/8"	N/A
8	LW58	LOCK WASHER - 5/8"	N/A
9	N58	NUT- 5/8" NC. HEX	N/A
10	C1212-5	BOLT - 1" NC. X 2 1/2" LG. GR. 5	0.9 LBS
11	CS1312-5	BOLT - 1" NC. X 3 1/2" LG. GR. 5	1.1 LBS.
12	CS1712-5	BOLT - 1" NC. X 7 1/2" LG. GR. 5	2.5 LBS.
13	CS19-5	BOLT - 1" NC. X 9" LG. GR. 5	2.8 LBS.
14	LW1	LOCK WASHER - 1"	N/A
15	N1	NUT-1" NC.	N/A

BD-6666



## GANG ASSEMBLY

REF#	PART #	DESCRIPTION	WT/LB.
1	20-6351	26 X 7 GA. STD. SID. EDGE DISC BLADE	23.59 LBS.
2	BD-11220	HALF SPOOL - CCV, 1 1/2" SQ.	5.3 LBS.
3	X-85	BGR. 1 1/2" SQ., SEALED	2.0 LBS.
4	BD-11222	HOUSING - BRG., 1 1/2" SQ.	3.3 LBS.
5	BD-11225	HALF SPOOL - CVX, 1 1/2" SQ.	5.0 LBS.
6	X-90	FULL SPOOL - 1 1/2" SQ., 9" SPACING	12.0 LBS.
7	XGR-4	GANG ROD - 1 1/2" SQ., 4 BLADE 9" SPACING	20.0 LBS.
8	LW112	LOCK WASHER - 1 1/2"	0.2 LBS.
9	SN112	SLOTTED NUT - 1 1/2" NC., HEX	0.8 LBS.
10	CP316212	COTTER PIN - 3/16" X 2 1/2" LG.	0.1 LBS.
11	X-98	END WASHER - UNIVERSAL, 1 1/2" SQ.	4.7 LBS.
12	JXE-19	EXT. WASHER - CCV, 1 1/2" SQ.	8.0 LBS.