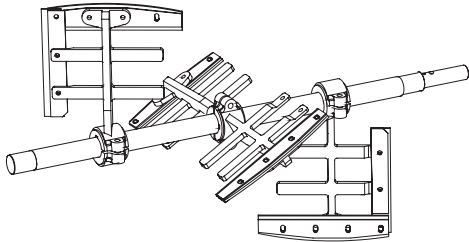
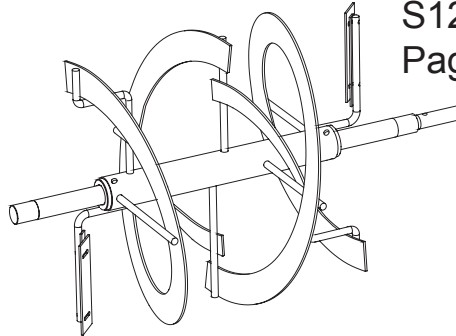


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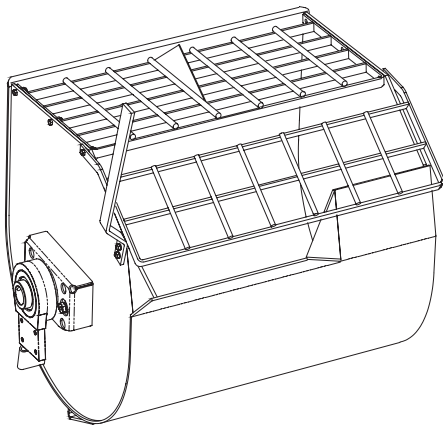
## 12S - S12S



PADDLE ASSEMBLY  
12S  
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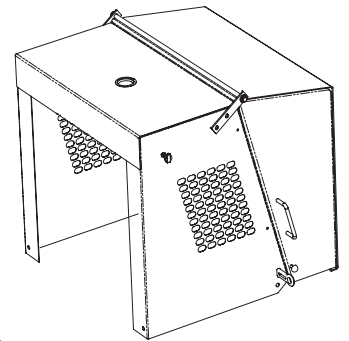
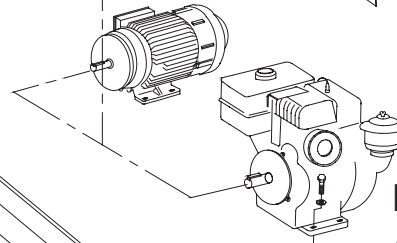
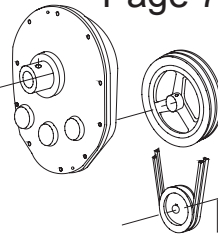


SPIRAL ASSEMBLY  
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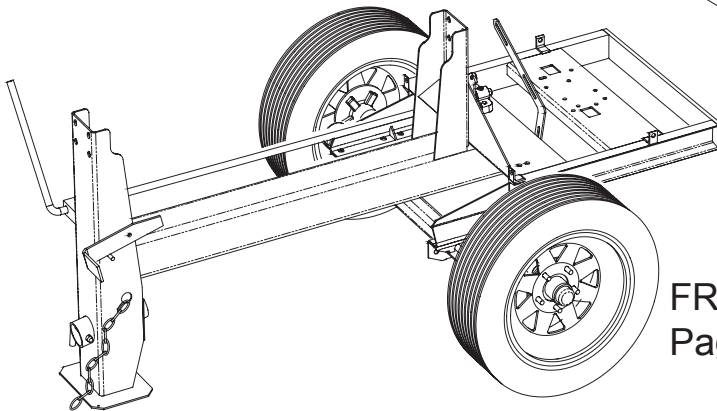


DRUM ASSEMBLY  
Page 3

GEAR BOX ASSEMBLY  
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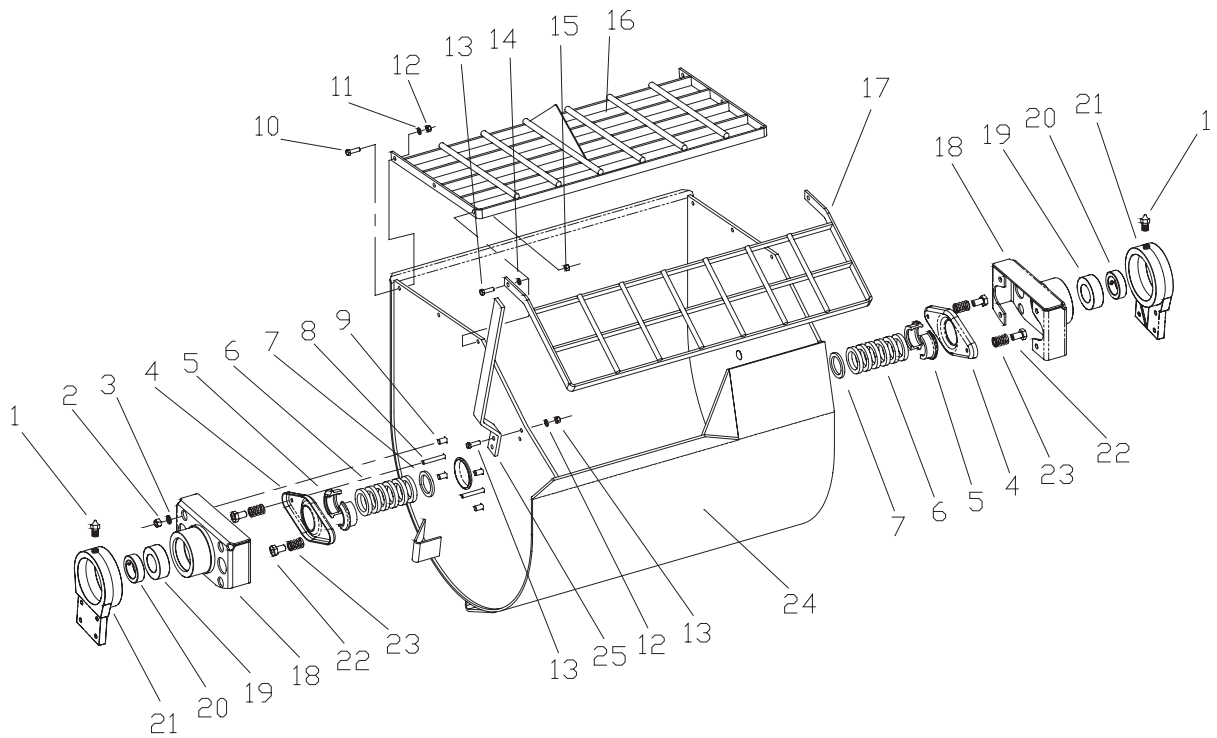


DRIVE KIT  
ASSEMBLY  
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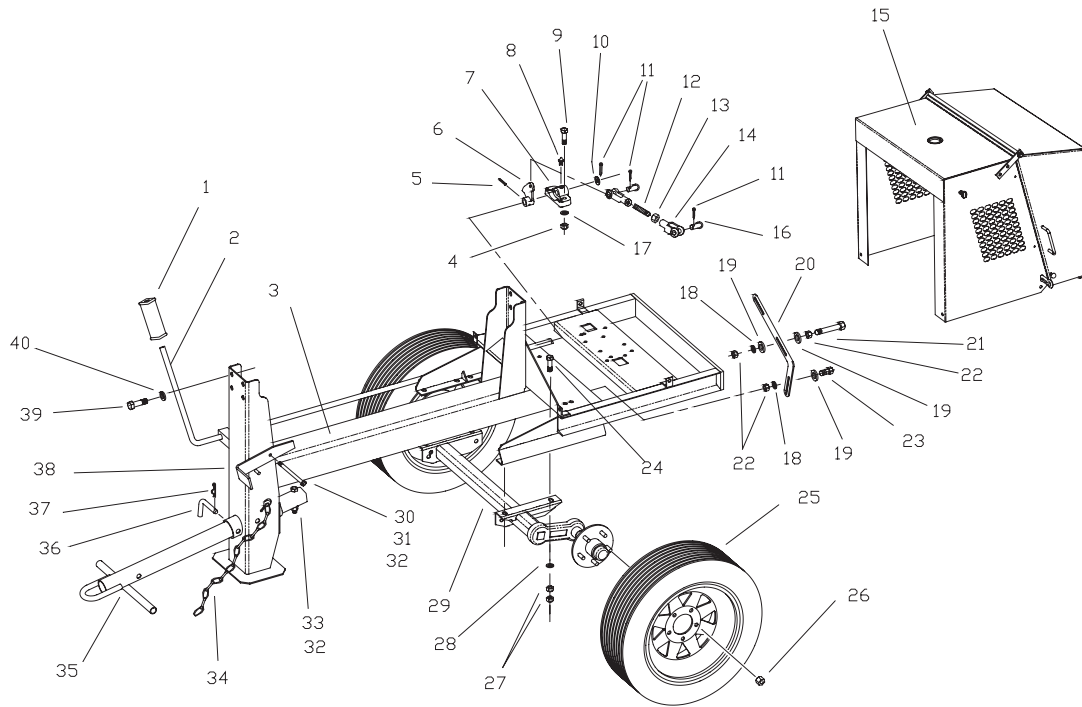
FRAME ASSEMBLY  
Page 4

# DRUM ASSEMBLY



Item	Part #	Description	Qty
1	110680	Grease Fitting, Straight 1/8NPT	2
2	128291	Nut, Hex, 1/2, Top Lock Gr5	8
3	176250	Washer, Spring, 1/2	8
4	496855	Spring Plate	2
5	465925	Packing Gland Half	4
6	465920	Packing	12
7	465915	Packing Seal Ring	2
8	117831	Bolt, Carriage 3/8 x 3	4
9	118331	Bolt, Carriage 1/2 x 1-1/2	8
10	226220	Bolt, HexHd, 3/8 x 1-1/4	4
11	176230	Washer, Spring, 3/8	6
12	227830	Nut, Hex, 3/8	6
13	226230	Bolt, HexHd, 3/8 x 1-1/2	4
14	174986	Washer, 3/8	2
15	227814	Nut, Hex, Lock, 3/8	2
16	496490	Fixed Grill	1
17	496395	Hinged Grill	1
18	496850	Stuffing Box	2
19	110452	Ball Bearing	2
20	410453	Bearing Locking Collar	2
21	496071	Pivot	2
22	496860	T-Nut	4
23	496861	Packing Compression Spring	4
24	496852	Drum	1
25	496224	Dump Lever	1

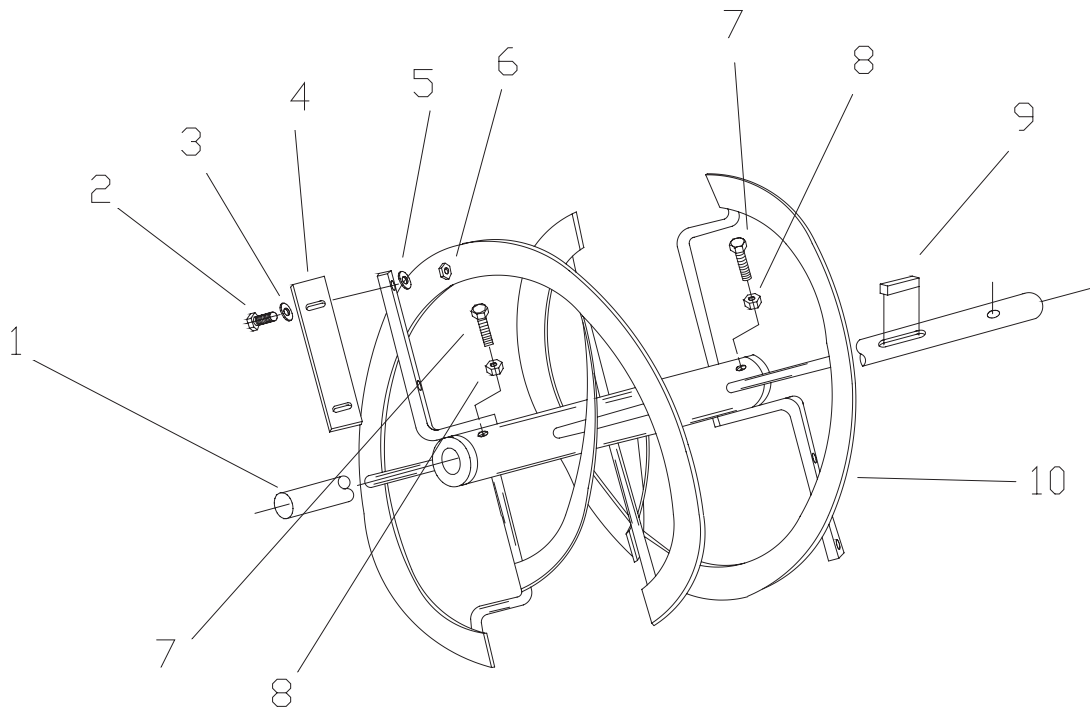
# FRAME ASSEMBLY



Item	Part #	Description	Qty
1	139350	Hand Grip	1
2	496079	Lever	1
3	465140	Frame	1
4	227830	Nut, Hex, 3/8	2
5	135280	Pin, Spring, 1/4 x 1-1/4	1
6	496049	Lever Arm	1
7	496048	Lever Bracket	1
8	110680	Grease Fitting Straight 1/8NPT	1
9	226220	Bolt, HexHd, 3/8 x 1-1/4	2
10	174996	Washer, 3/4	1
11	135790	Cotter Pin, 1/8 x 1	3
12	497203	Connecting Rod, 1/2UNF x 6"	1
13	128434	Nut, Hex, 1/2UNF	1
14	119229	Yoke End, 1/2 - 24 UNF	2
15	464625	Hood Assembly	1
16	134990	Clevis Pin. 3/8 x 1-3/32	2
17	176230	Washer, Spring, 3/8	2
18	176220	Washer, Spring, 5/16	2
19	174986	Washer, 3/8	5
20	464933	Belt Guide	1
21	119880	Bolt, HexHd, 5/16 x 3-1/2	2
22	227820	Nut, Hex, 5/16	6
23	225980	Bolt, HexHd, 5/16 x 1	2
24	118331	Bolt, Carriage, 1/2 x 1-1/2	4
25	431081	Wheel & Tire Assy, 5.5 x 13	2
26	201696	Lug Nut, 1/2-20 UNF	10
27	227854	Nut, Hex, 1/2	8
28	174470	Washer, 1/2	4
29	431090	Axle Assembly - Incl Hub	1
30	226300	Bolt, HexHd, 3/8 x 6-1/2	1

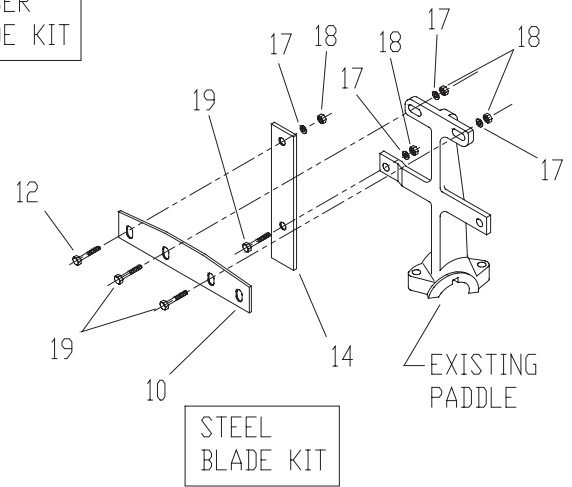
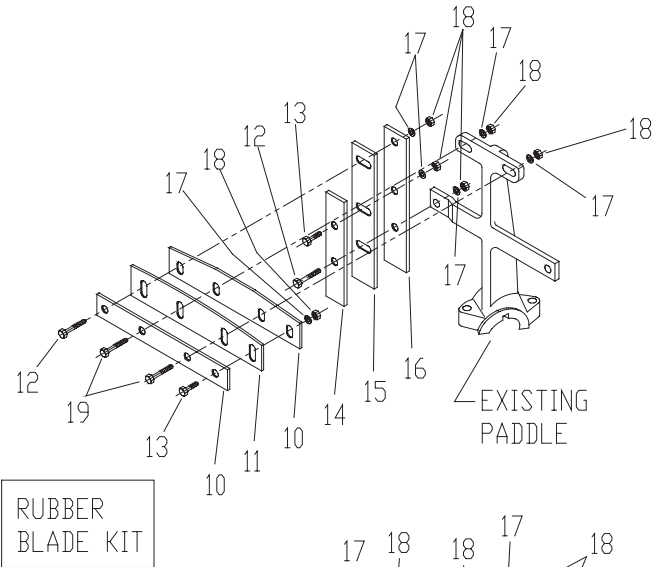
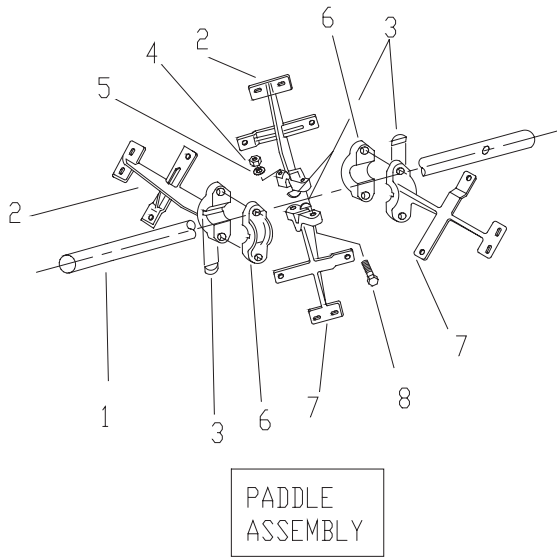
Item	Part #	Description	Qty
31	248275	Washer, Fender, 3/8	1
32	227814	Nut, Hex, Lock, 3/8	2
33	226272	Bolt, HexHd, 3/8 x 3	1
34	609686	Safety Chain	1
35	464938	Drawbar, Pintel	1
35	464940	Drawbar, Ball (Optional)	1
36	496088	Lock Pin	1
37	134955	Hitch Pin Clip	1
38	496248	Latch Plate	1
39	226640	Bolt, HexHd, 1/2 x 1-1/4	8
40	176250	Washer, Spring, 1/2	8

## SPIRAL ASSEMBLY



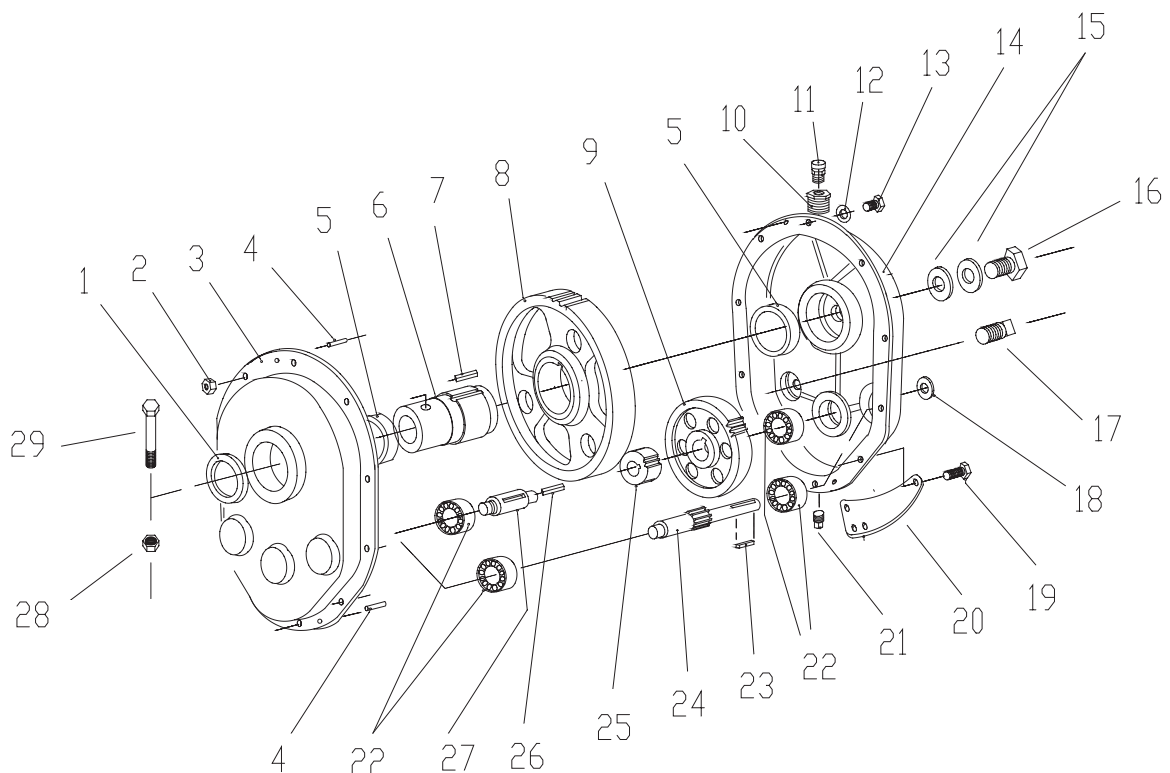
Item	Part #	Description	Qty
1	496763	Shaft	1
2	226000	Bolt, HexHd, 5/16 x 1-1/2	4
3	174990	Washer, 5/16	4
4	496242	Scraper	2
5	176220	Washer, Spring, 5/16	4
6	227820	Nut, Hex, 5/16	4
7	226650	Bolt, HexHd, 1/2 x 1-1/2	2
8	227854	Nut, Hex, 1/2	2
9	432189	Key 1/2 x 2-1/4	1
10	464937	Spiral Weldment	1

# PADDLE ASSEMBLY



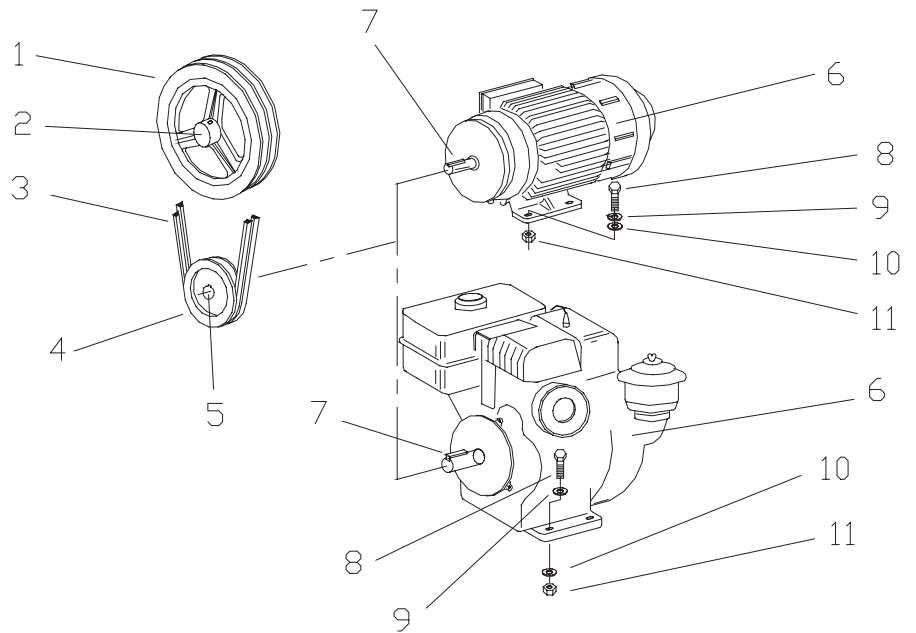
Item	Part #	Description	Qty
1	496762	Shaft	1
2	096125	Paddle LH	2
3	176811	Woodruff Key (#1212) 3/8 x 1-1/2	4
4	227854	Nut, Hex 1/2UNC	6
5	176250	Washer, Spring 1/2	6
6	096126	Paddle Cap	2
7	096124	Paddle RH	2
8	226701	Bolt, HexHd, 1/2 x 2-3/4	6
	<b>609804</b>	<b>RUBBER BLADE KIT ~ STANDARD</b>	
10	496097	Blade, Top	8
11	190973	Wiper, Top	4
12	226220	Bolt, HexHd, 3/8 x 1-1/4	6
13	226210	Bolt, HexHd, 3/8 x 1	6
14	496098	Blade, Side	2
15	190974	Wiper, Side	2
16	496099	Blade, Side	2
17	174986	Washer, 3/8	20
18	227830	Nut, Hex 3/8	20
19	226230	Bolt, HexHd, 3/8 x 1-1/2	8
	<b>609814</b>	<b>STEEL BLADE KIT ~ OPTIONAL</b>	
10	496075	Blade, Top	4
12	226210	Bolt, HexHd, 3/8 x 1	2
14	496076	Blade, Side	2
17	174986	Washer, 3/8	12
18	227830	Nut, Hex 3/8	12
19	226220	Bolt, HexHd, 3/8 x 1-1/4	10

# GEAR BOX ASSEMBLY ~ 496645



Ref	Part #	Description	Qty
1	199491	Oil Seal, C/R 24897	1
2	227820	Nut, Hex, 5/16	10
3	496320	Case, Front Half	1
4	135470	Spring Pin, 1/4 x 5/8	2
5	110105	Ball Bearing, 6013-2RS	2
6	496642	Sleeve	1
7	432150	Key 3/8 x 1-3/8	1
8	496641	Gear, 60T, 6DP, (10" dia)	1
9	496322	Gear, 60T, 10 DP (6" dia)	1
10	187411	Bushing, Reducer 3/8 x 1/8 NPT	1
11	110550	Breather	1
12	176220	Washer, Spring 5/16	10
13	225980	Bolt, HexHd, 5/16 x 1	8
14	496640	Case, Rear Half	1
15	174996	Washer, 3/4	1
16	227236	Bolt, HexHd, 3/4 x 1	1
17	185630	Plug, Pipe 3/8 NPT	1
18	199380	Oil Seal, C/R 7440	1
19	225990	Bolt, HexHd, 5/16 x 1-1/4	2
20	496045	Link, Lever	1
21	185632	Pipe Plug, Magnetic 3/8 NPT	1
22	110410	Ball Bearing, 6204	4
23	432050	Key 3/16 x 1-5/8	1
24	496324	Pinion/Shaft, 12T, 10DP	1
25	496333	Pinion, 12T, 6DP (2" dia)	1
26	432290	Key 1/4 x 2-1/2	1
27	496131	Shaft, Pinion	1
28	128291	Nut, Hex, Lock, 1/2	3
29	496643	Bolt, HexHd, Shear, 1/2 x 3.35	3

# DRIVE KIT ASSEMBLY



Item	Part #	Description	Qty
<b>9 HP GAS DRIVE ~ STANDARD</b>			
1	459940	Pulley, 2BK 120H	1
2	176823	Pulley Bushing, Q.D. 3/4" (for 459940)	1
3	239661	Belt V 5L-460	2
4	496065	Pulley, 2BK 47H	1
5	176824	Pulley Bushing, Q.D. 1-1/8" (for 496065)	1
6	202003	Engine Honda 9HP O/A GX 270 QA6	1
7	432340	Key 1/4 x 1.625	1
8	226240	Bolt, HexHd, 3/8 x 1-3/4	4
9	174986	Washer, 3/8	4
10	176230	Washer, Spring, 3/8	4
11	227830	Nut, Hex, 3/8	4
<b>11 HP GAS DRIVE ~ OPTIONAL</b>			
1	459940	Pulley, 2BK 120H	1
2	176823	Pulley Bushing, Q.D. 3/4" (for 459940)	1
3	239661	Belt V 5L-460	2
4	496065	Pulley, 2BK 47H	1
5	176824	Pulley Bushing, Q.D. 1-1/8" (for 496065)	1
6	202010	Engine Honda 11HP O/A GX 340K1QA6	1
7	432340	Key 1/4 x 1.625	1
8	226240	Bolt, HexHd, 3/8 x 1-3/4	4
9	174986	Washer, 3/8	4
10	176230	Washer, Spring, 3/8	4
11	227830	Nut, Hex, 3/8	4
<b>ELECTRIC DRIVE ~ 3HP/5HP ~ OPTIONAL</b>			
1	459940	Pulley, 2BK 120H	1
2	176823	Pulley Bushing, Q.D. 3/4" (for 459940)	1
3	239666	Belt V 5L-500	2
4	459907	Pulley, 2BK 57H (Paddle)	A/R
4	459919	Pulley, 2BK 70H (Spiral)	A/R
5	176825	Pulley Bushing, Q.D. 1-1/8"	1
6	219840	Motor 3 HP 3/60/230-460 V	A/R
6	219989	Motor 5 HP 3/60/230 V	A/R
7	432340	Key 1/4 x 1.625	1
8	226240	Bolt, HexHd, 3/8 x 1-3/4	4
9	174986	Washer, 3/8	4
10	176230	Washer, Spring, 3/8	4
11	227830	Nut, Hex, 3/8	4