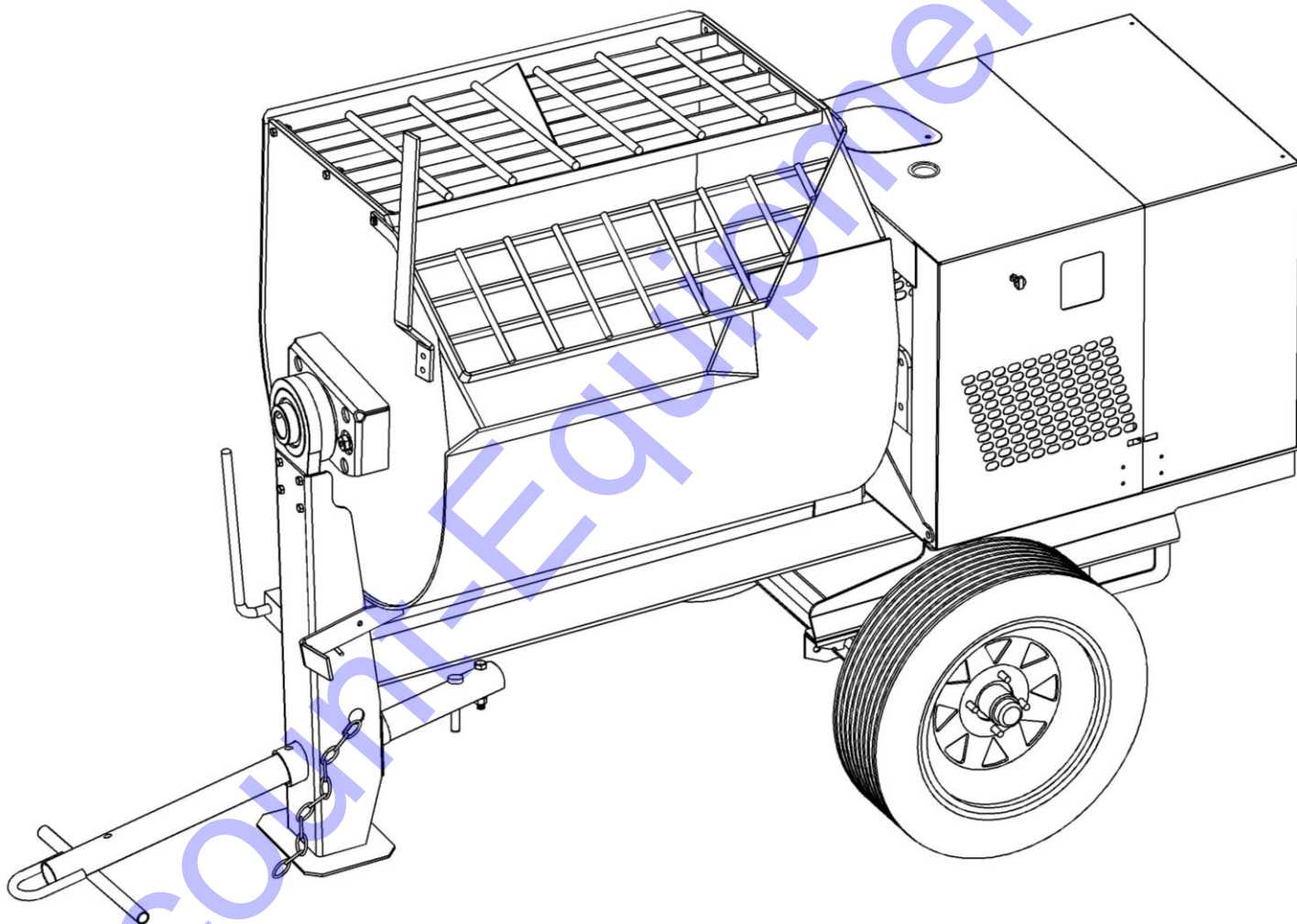


# REPAIR PARTS MANUAL

SERIES	MM~Mech
BULLETIN No.	200089R6
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DATE	Oct 2007
Last Rev: May 2015	

## MORTAR MIXERS 12-S - S12S



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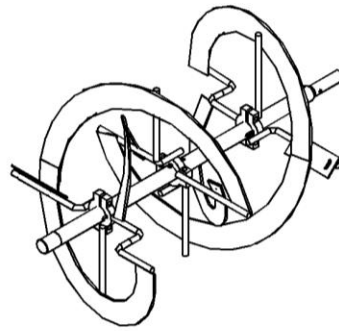
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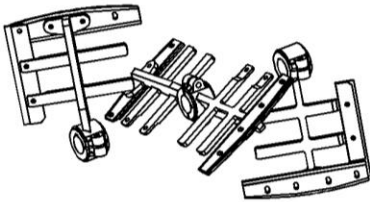
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# MORTAR MIXERS

## 12-S - S12S

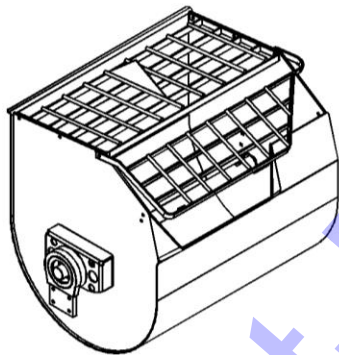
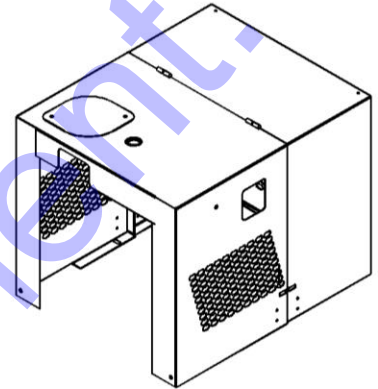


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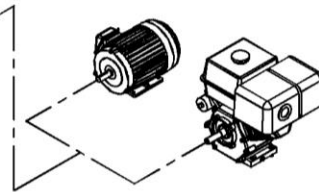
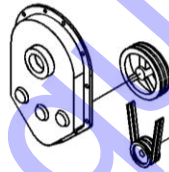
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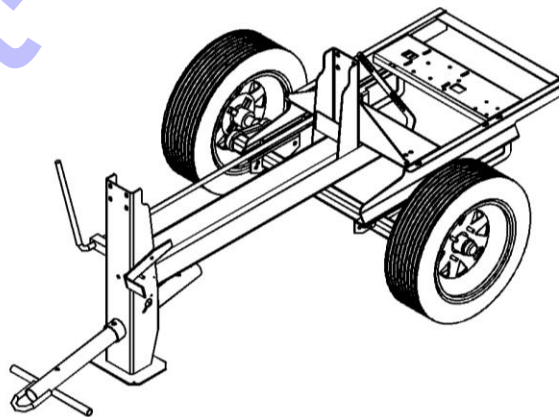
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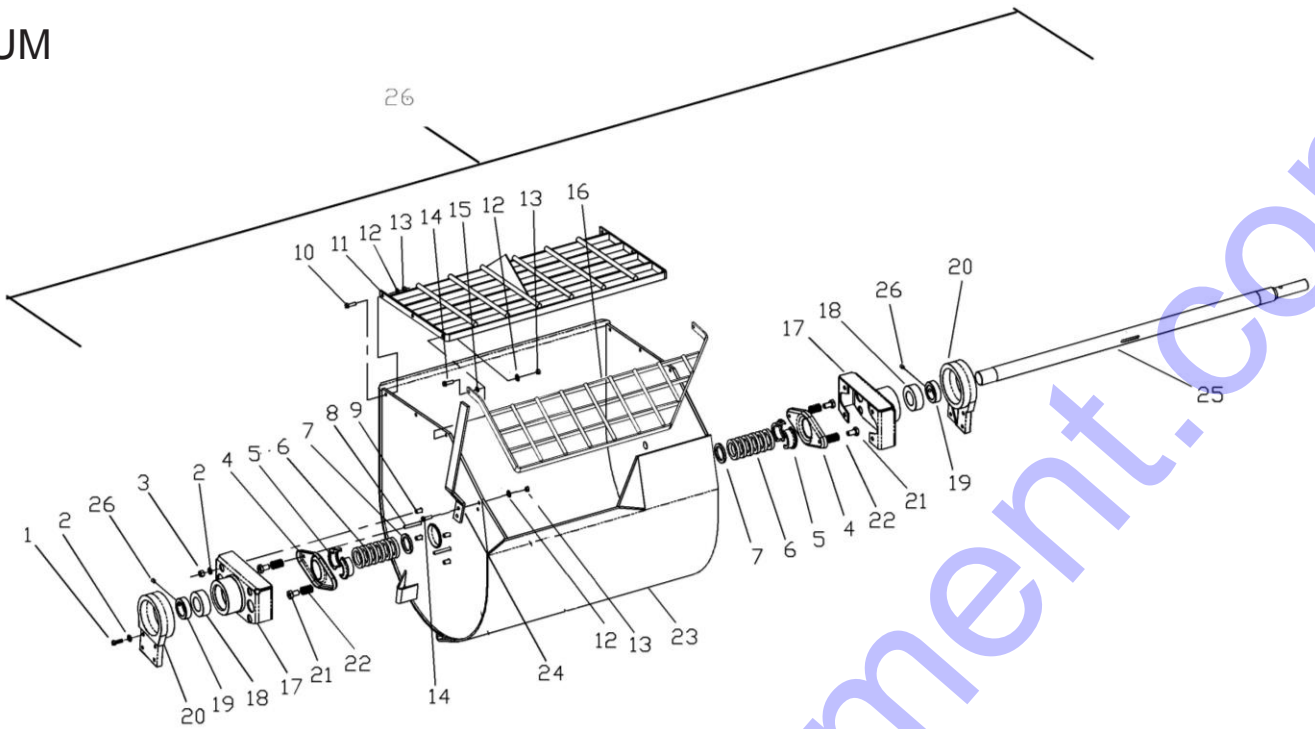
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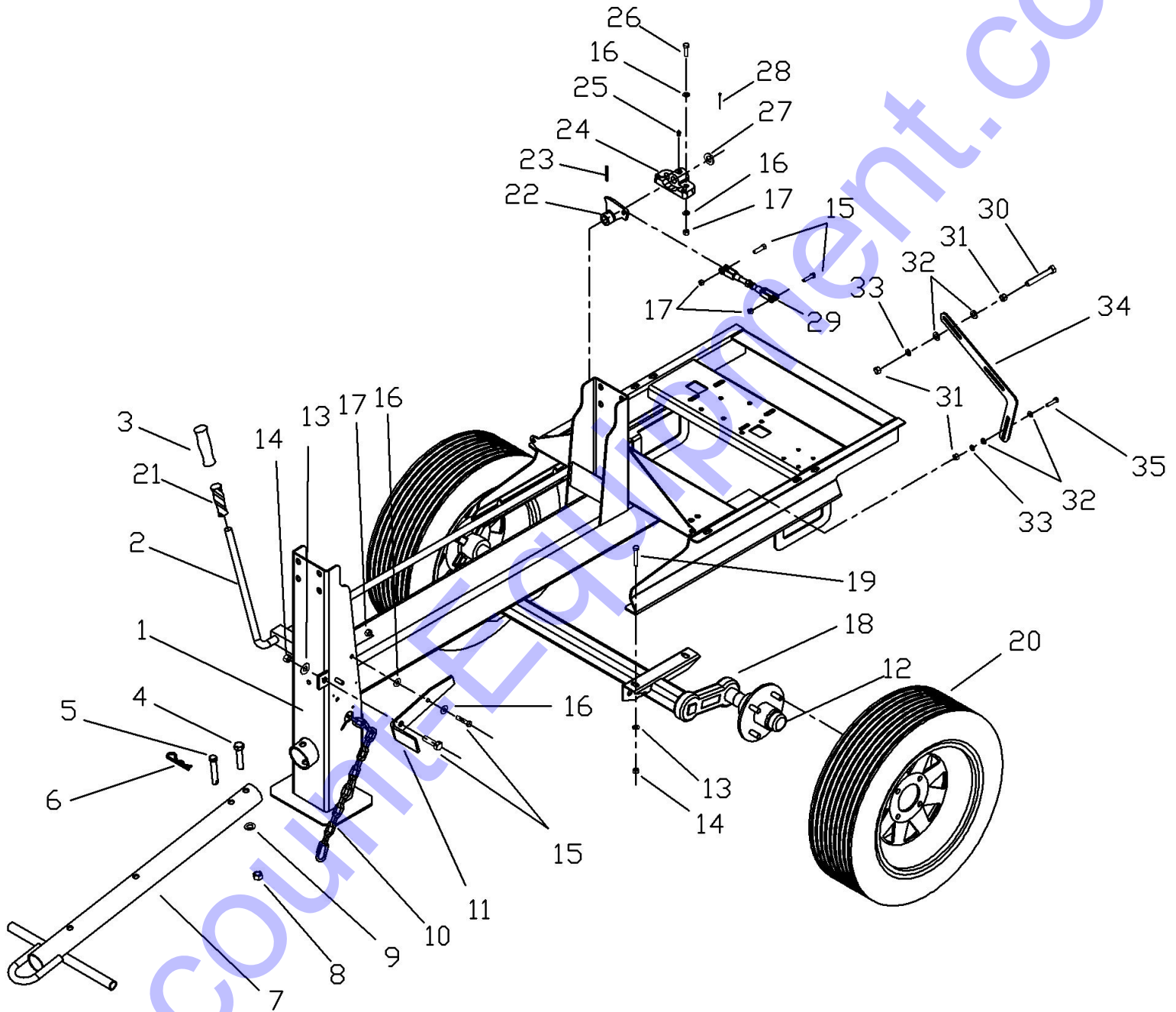
# DRUM



Ref	Part #	Description	12S	S12S
1	226650	Bolt, HexHd, 1/2 x 1-1/2 (TOCD012112)	8	8
2	176250	Washer, Spring, 1/2 (RNRX012GAL)	8	8
3	227854	Nut, Hex, 1/2, Top Lock, Gr5 (TCCS012GAL)	8	8
4	496855	Spring Plate	2	2
5	465925	Gland, Half Packing	4	4
6	465920	Packing, Alb# 176 3/8 x 3/8 x 7.25L	12	12
7	465915	Packing Seal Ring	2	2
8	117831	Bolt, Carriage, 3/8 x 3 (TOCL038300)	4	4
9	118331	Bolt, Carriage 1/2 x 1.5 (TOCL012112)	8	8
10	226220	Bolt, HexHd, 3/8 x 1-1/4 (TOCD038114)	4	4
11	496490	Grill, Fixed	1	1
12	174986	Washer, Plain, 3/8 (RNPX038GAL)	8	8
13	227830	Nut, Hex, Lock 3/8 (TCCS038GAL)	8	8
14	226230	Bolt, HexHd, 3/8 x 1-1/2 (TOCD038112)	3	3
15	174470	Washer, 1/2 (RNPX012GAL)	2	2
16	496395	Grill, Hinged	1	1
17	496850	Trunnion	2	2
18	110452	Ball Bearing, 3210 - 2RS	2	2
19	410453	Bearing Lock Collar, (c/w set screw)	2	2
20	496071	Pivot	2	2
21	496860	T-Nut 3/8-16	4	4
22	496861	Spring, Packing Compr	4	4
23	496852	Drum	1	1
24	496224	Drum Lever	1	1
25	496763	Old Main Shaft S12S (Includes Keys)	*	1
	496762	Main Shaft 12S - S12S since August 13, 2010 (Includes keys)	1	1
26	609986	Drum Kit (includes Paddles)	1	*
	609994	Drum Kit (includes Spiral)	*	1

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# FRAME



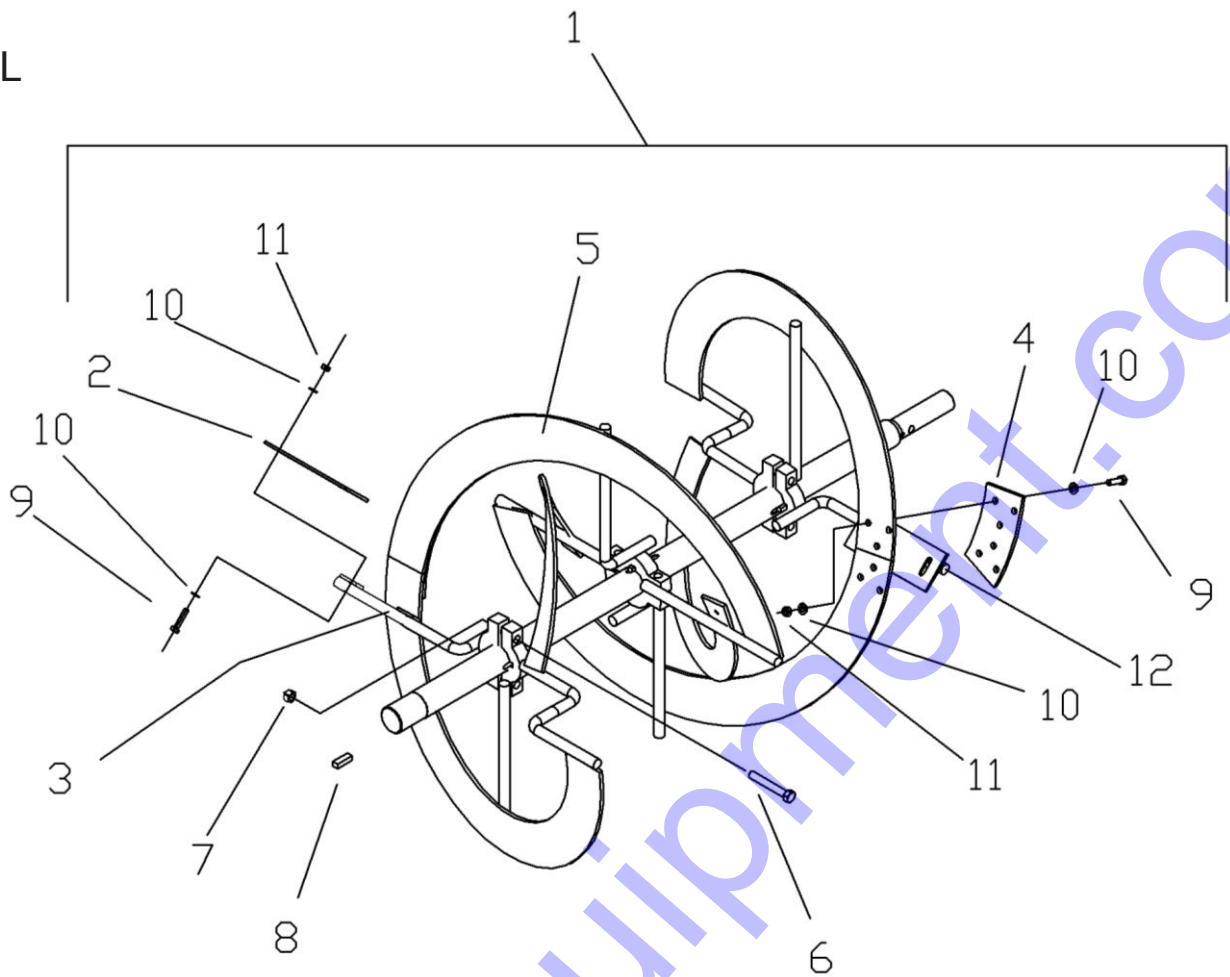
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# FRAME

Ref	Part #	Description	12S	S12S
1	465140	Frame, 12S Assy.	1	1
2	496079	Lever	1	1
3	139350	Handgrip (0000RF01RJ)	1	1
4	226272	Bolt, HexHd, 3/4 x 3-1/2 NF (TOFD034312)	1	1
5	702078	Pin, Lock (0000CR01LZ)	1	1
6	134955	Hitch Pin Clip (SR00036EXT)	1	1
7	702076	Drawbar, Pintel (1000HY02LZ) since November 15, 2013	1	1
	702077	Drawbar, 2" Ball Hitch (optional) (1000HY01LZ) since November 15, 2013	1	1
8	701028	Nut, 3/4 NF (TCFN034GAL)	1	1
9	174510	Washer, Spring 3/4 (RNRX034GAL)	1	1
10	701012	Safety Chain	1	1
11	496248	Latch Plate	1	1
12	702087	Dust Cap (0000RF06RD)	2	2
13	174470	Washer, Plain 1/2 (RNPX012GAL)	5	5
14	227854	Nut, Hex, Lock 1/2 (TCCS012GAL)	5	5
15	226230	Bolt, HexHd, 3/8 x 1-1/2 (TOCD038112)	4	4
16	174986	Washer, 3/8 (RNPX038GAL)	6	6
17	227830	Nut, Hex, Lock 3/8 (TCCS038GAL)	5	5
18	607916	Torsion Axle	1	1
19	226660	Bolt, HexHd, 1/2 x 1-3/4 (TOCD012134)	4	4
20	431081	Wheel & Tire Assy. 5.5 x 13 (0000CO01RD)	2	2
21	701023	Child Hand Grip	1	1
22	496049	Lever Arm	1	1
23	135282	Pin, Spring, 5/16 x 1-1/2 (00PE056112)	1	1
24	496048	Lever Bracket	1	1
25	110680	Grease Fitting Straight 1/8 NPT	1	1
26	226250	Bolt, HexHd, 3/8 x 2 (TOCD038200)	2	2
27	174996	Washer, Plain 3/4 (RNPX034GAL)	1	1
28	135810	Cotter Pin, 1/8 x 1-1/2 (SC018112NOR)	1	1
29	497203	Connecting Rod Includes Yokes	1	1
30	701009	Bolt, HexHd, 5/16 x 3 (TOCD056300)	2	2
31	227820	Nut, Hex, 5/16 (TCCN056GAL)	6	6
32	174990	Washer, Plain 5/16 (RNPX056GAL)	8	8
33	176220	Washer, Spring, 5/16 (RNPX056GAL)	4	4
34	464933	Belt Guide	1	1
35	225980	Bolt, HexHd, 5/16 x 1 (TOCD056100)	2	2

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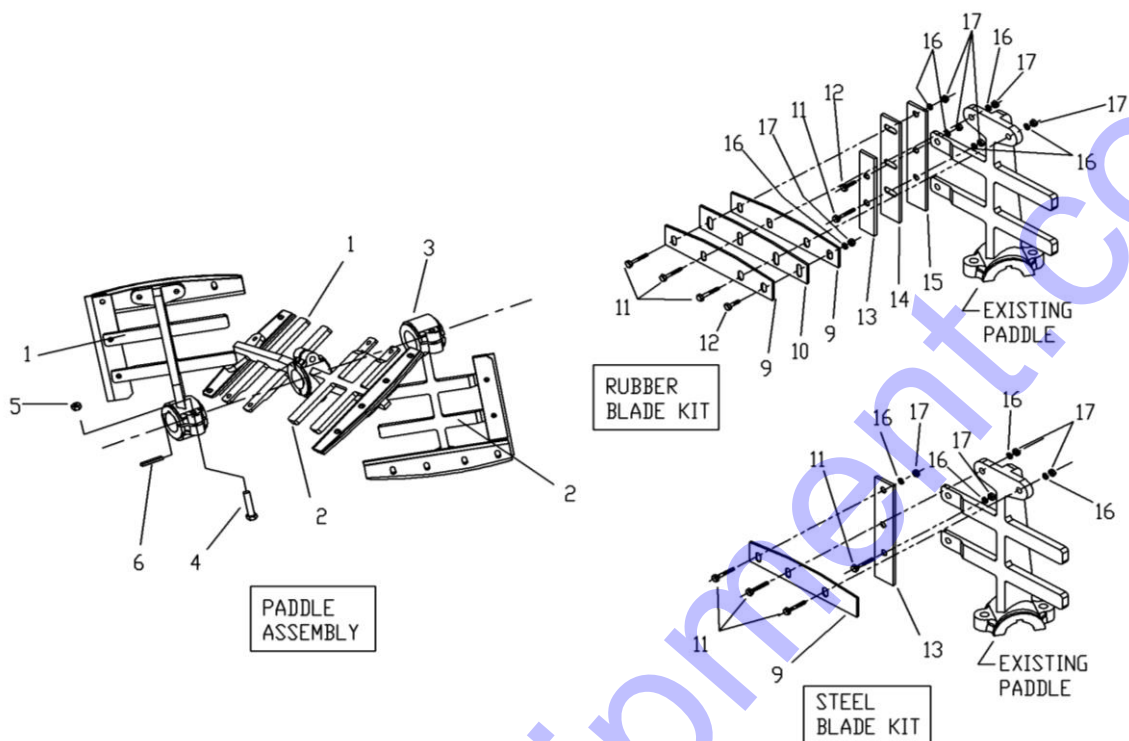
# SPIRAL



Ref	Part #	Description	12S	S12S
1	702001	Spiral Kit, S12S with Main Shaft (if your machine is before February 12, 2013)	*	1
2	496242	Scraper S12S - S16S	*	2
3	702004	Bracket, Arm Right S12SH	*	1
4	702005	Spiral Link Plate	*	2
5	465004	Spiral Assembly S12S without Main Shaft (if your machine is after February 12, 2013)	*	1
6	120520	Bolt, HexHd, 1/2 x 3-1/2 (TOCD012312)	*	6
7	227854	Lock Nut, 1/2 (TCCS012GAL)	*	6
8	702098	Key, 3/8 x 2-3/4	*	4
9	226220	Bolt, HexHd, 3/8 x 1-1/4 (TOCD038114)	*	18
10	174986	Flat Washer, 3/8 (RNPX038GAL)	*	36
11	227830	Lock Nut, 3/8 (TCCS038GAL)	*	18
12	702003	Bracket, Arm Left S12SH	*	1

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# PADDLE - 610560

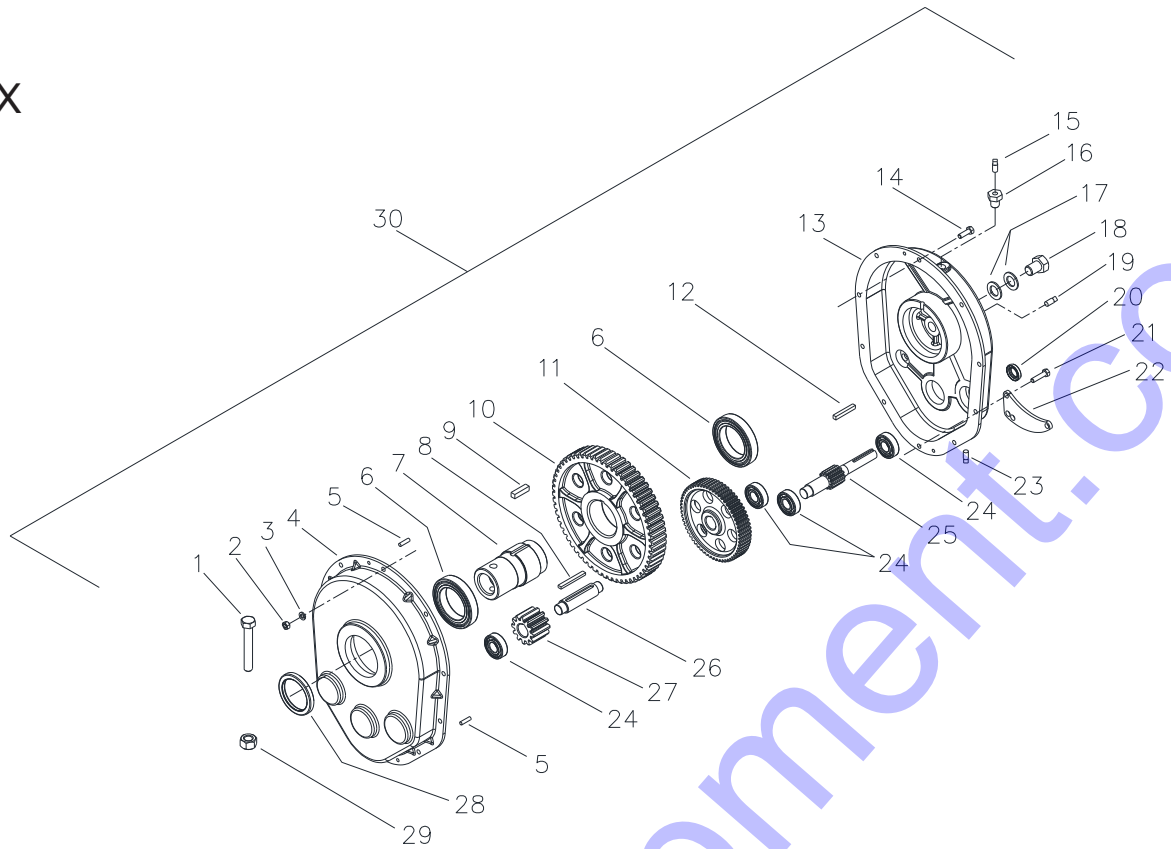


Ref	Part #	Description	12S	S12S
Paddle Assembly - 610560				
1	96125	Paddle LH	2	*
2	96124	Paddle RH	2	*
3	96126	Cap, Paddle	2	*
4	120520	Bolt, HexHd G5 PI 1/2 UNC x 3-1/2 (TOCD012312)	6	*
5	227854	Lock Nut, 1/2 (TCCS012GAL)	6	*
6	432160	Key 3/8 x 3	4	*
Rubber Blade Kit - 609804				
9	496097	Blade, Top	8	*
10	190973	Wiper, Top	4	*
11	226250	Bolt, HexHd, 3/8 x 2 (TOCD038200)	14	*
12	226230	Bolt, HexHd, 3/8 x 1-1/2 (TOCD038112)	6	*
13	496098	Blade, Side	2	*
14	190974	Wiper, Side	2	*
15	496099	Blade, Side	2	*
16	174986	Flat Washer, 3/8 (RNPX038GAL)	40	*
17	227830	Lock Nut, 3/8 (TCCS038GAL)	20	*
Steel Blade Kit - 609814				
9	496075	Blade, Top	4	*
11	226230	Bolt, HexHd, 3/8 x 1-1/2 (TOCD038112)	14	*
13	496098	Blade, Side	2	*
16	174986	Flat Washer, 3/8 (RNPX038GAL)	28	*
17	227830	Lock Nut, 3/8 (TCCS038GAL)	14	*

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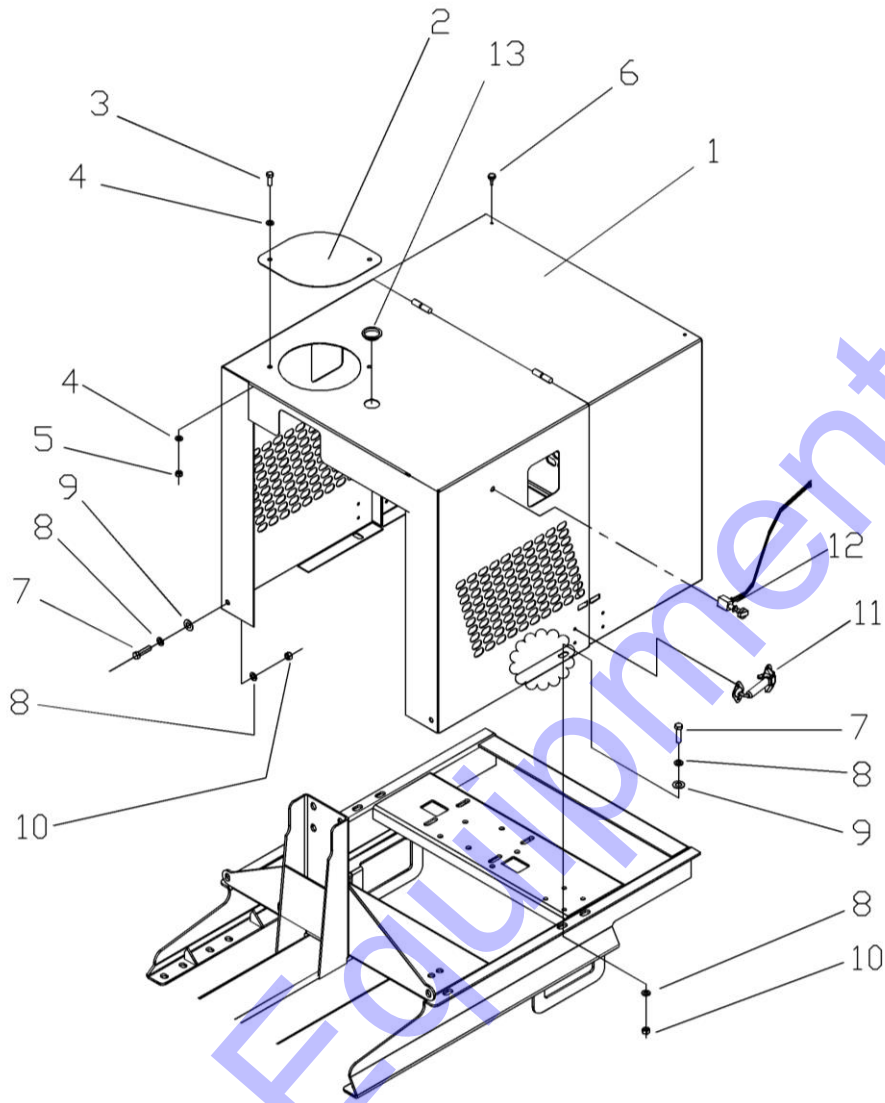
# GEARBOX



Ref	Part #	Description	Qty.
1	226711	Bolt, HexHd, Shear, 1/2 x 3 (TOCD012300)	1
2	227820	Nut, Hex, 5/16 (TCCN056GAL)	10
3	176220	Washer, Spring 5/16 (RNRX056GAL)	10
4	496320	Case, Front Half	1
5	135470	Spring Pin, 1/4 x 5/8	2
6	110105	Ball Bearing, 6013-2RS	2
7	496642	Sleeve	1
8	432290	Key 1/4 x 2-1/2	1
9	432150	Key 3/8 x 1-3/8	1
10	496641	Gear, 60T, 6DP, (10" dia)	1
11	496322	Gear, 60T, 10DP (6" dia)	1
12	432050	Key 3/16 x 1-5/8	1
13	496640	Case, Rear Half	1
14	225980	Bolt, HexHd, 5/16 x 1 (TOCD056100)	8
15	110550	Breather	1
16	187411	Bushing, Reducer 3/8 x 1/8 NPT	1
17	174996	Washer, 3/4 (RNPX034GAL)	2
18	227236	Bolt, HexHd, 3/4 x 1	1
19	185630	Plug, Pipe 3/8 NPT	1
20	199380	Oil Seal, C/R 7440	1
21	225990	Bolt, HexHd, 5/16 x 1-1/4	2
22	496045	Link, Lever	1
23	185632	Pipe Plug, Magnetic 3/8 NPT	1
24	110410	Ball Bearing, 6204	4
25	496324	Pinion/Shaft, 12T, 6DP (2" dia)	1
26	496131	Shaft, Pinion	1
27	496333	Pinion, 12T, 6DP (2" dia)	1
28	199491	Oil Seal, C/R 24897	1
29	227854	Nut, Hex, Lock, 1/2	1
30	496645	Gear Box (complete)	1

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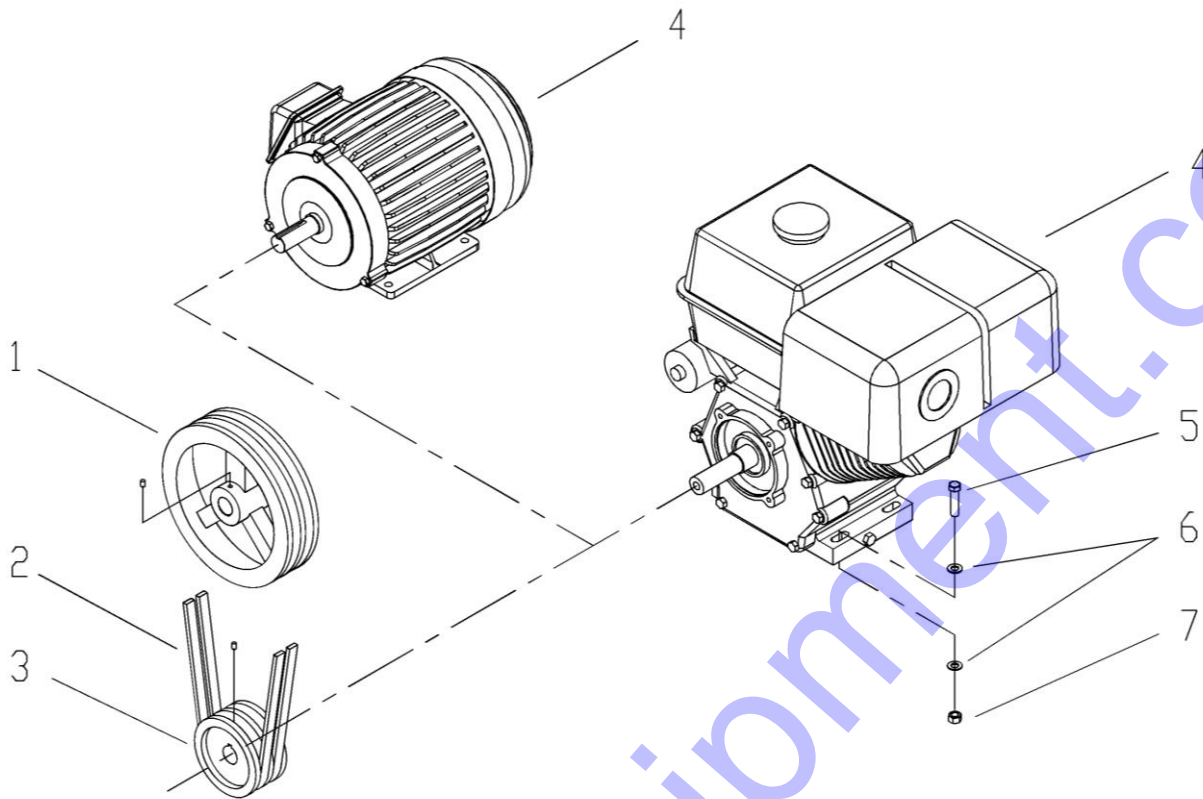
# HOOD



Ref	Part #	Description	12S	S12S
1	702006	Hyd Hood (1013CO01GA) * (3A9S22M1XE1168001) Since 27-11-14	1	1
	464625	Old Hood	1	1
2	412825	Acces Cover	1	1
3	225980	Bolt, HexHd, 5/16 x 1 (TOCD056100)	2	2
4	174990	Flat Washer, 5/16 (RNRX056GAL)	4	4
5	227821	Lock Nut, 5/16 (TCCS056GAL)	2	2
6	201544	Rubber Bumper	2	2
7	226230	Bolt, HexHd, 3/8 x 1-1/2 (TOCD038112)	4	4
8	174986	Flat Washer, 3/8 (RNRX038GAL)	8	8
9	174470	Flat Washer, 1/2 (RNRX012GAL)	4	4
10	227830	Lock Nut, 3/8 (TCCS038GAL)	4	4
11	701004	Hook (0000RF02GA)	2	2
12	701007	Complete, Push Stop (1000KI04GA)	1	1
13	701008	Snap (317333) (1000RF01GA)	1	1

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# DRIVE



Ref	Part #	Description	12S	S12S
<b>13 HP GAS DRIVE ~ OPTIONAL</b>				
1	496160	Pulley, 10" x 3/4" 2BK, include 2 set screws, 3/8 - 2 nuts, 3/8 NC	1	1
2	702012	Belt, A 4L-42 (0000BN4L42)	2	2
3	702010	Pulley, 3-3/4" x 1" 2BK, include 2 set screws - 3/8 - nuts, 3/8 NC (POFG3341002R)	1	1
4	202012	Engine Honda 13HP O/A GX390UQAE6	1	1
5	226240	Bolt, HexHd, 3/8 x 1-3/4 (TOCD038134)	4	4
6	174986	Washer, Plain 3/8 (RNPX038GAL)	8	8
7	227830	Nut, Hex, Lock, 3/8 (TCCS038GAL)	4	4
<b>ELECTRIC DRIVE ~ 3HP/5HP ~ OPTIONAL</b>				
1	496160	Pulley, 10" x 3/4" 2BK, include 2 set screws, 3/8 - 2 nuts, 3/8 NC	1	1
2	702013	Belt, A 4L-44 (0000BN4L44)	2	2
3	702011	Pulley, 4-1/4" x 1-1/8" 2BK, include 2 set screws - 3/8 - nuts, 3/8 NC (POFG4141182R)	1	1
4	219840	Motor 3HP 3/60/230-460 V	A/R	A/R
	219989	Motor 5HP 3/60/230 V	A/R	A/R
5	226240	Bolt, HexHd, 3/8 x 1-3/4 (TOCD038134)	4	4
6	174986	Washer, Plain 3/8 (RNPX038GAL)	8	8
7	227830	Nut, Hex, Lock, 3/8 (TCCS038GAL)	4	4

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