

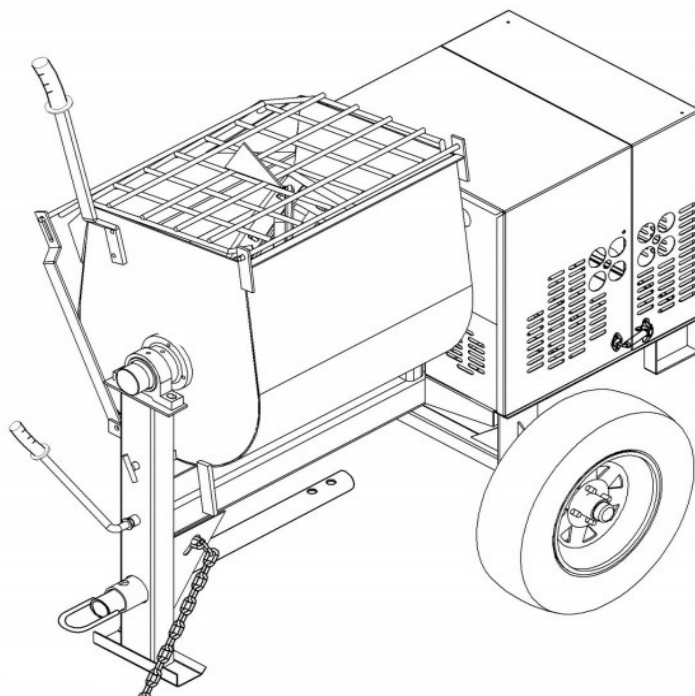


**BARTELL
GLOBAL**

**PARTS
BOOK**

MORTAR AND PLASTER MIXER

MM6SH160 MM8SH240 MM9SH240
MM6PH160 MM8PH240 MM9SE200
MM6SE150 MM8SE200
MM6PE150 MM8PE200



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**ORIGINAL LANGUAGE OPERATING MANUAL FOR
BARTELL RIDE-ON TROWELS**

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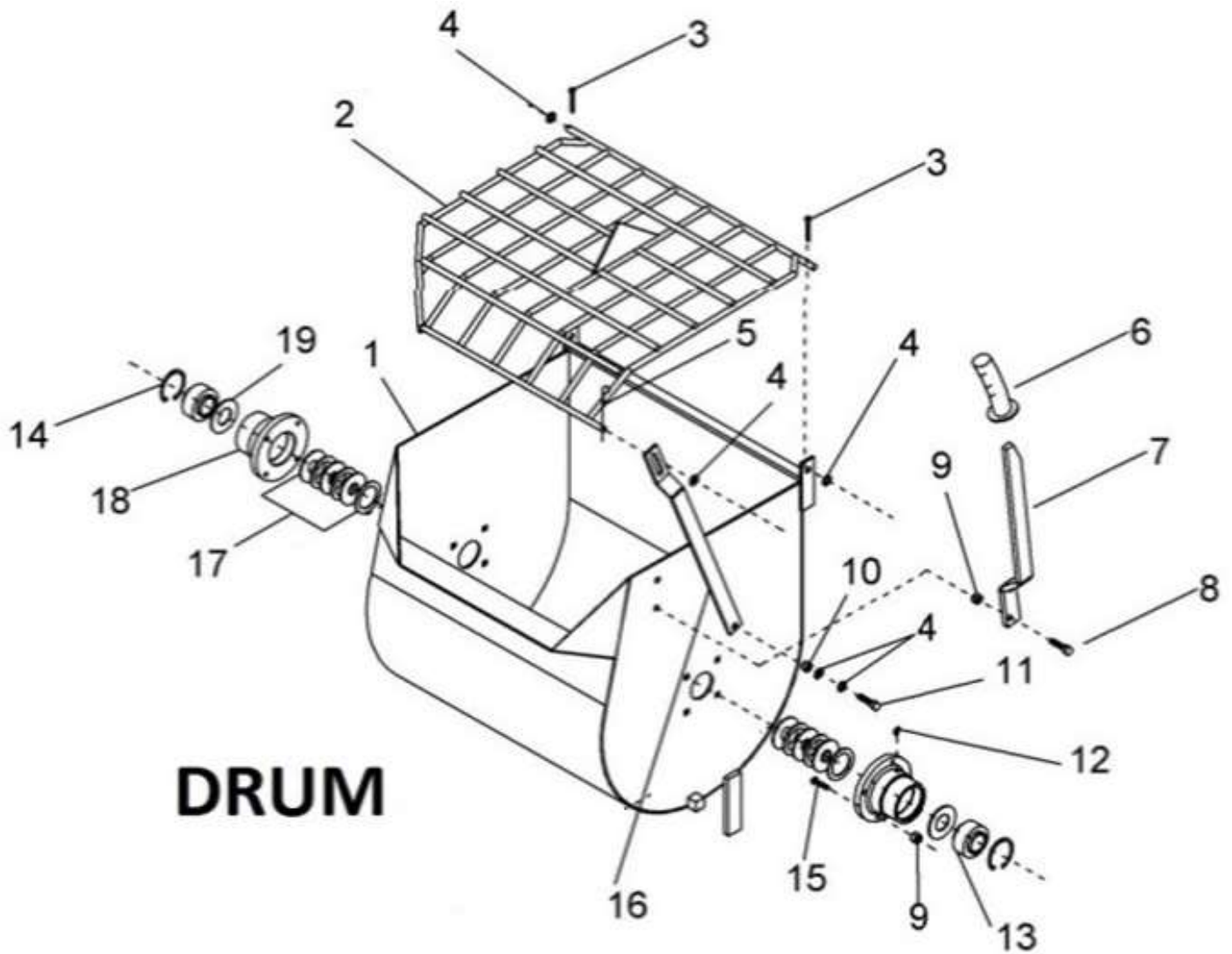
REV.	DATE	DESCRIPTION	APPROVED BY:
00	11/24/17	Reformat	B.Murray
01	12/16/20	Part Diagram Updates	A.Nakkila
02	08/22	Updated part numbers for engine shroud	A.Nakkila
03	07/24	Logos Updated	A.Nakkila

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PARTS LIST 1: MORTAR MIXER

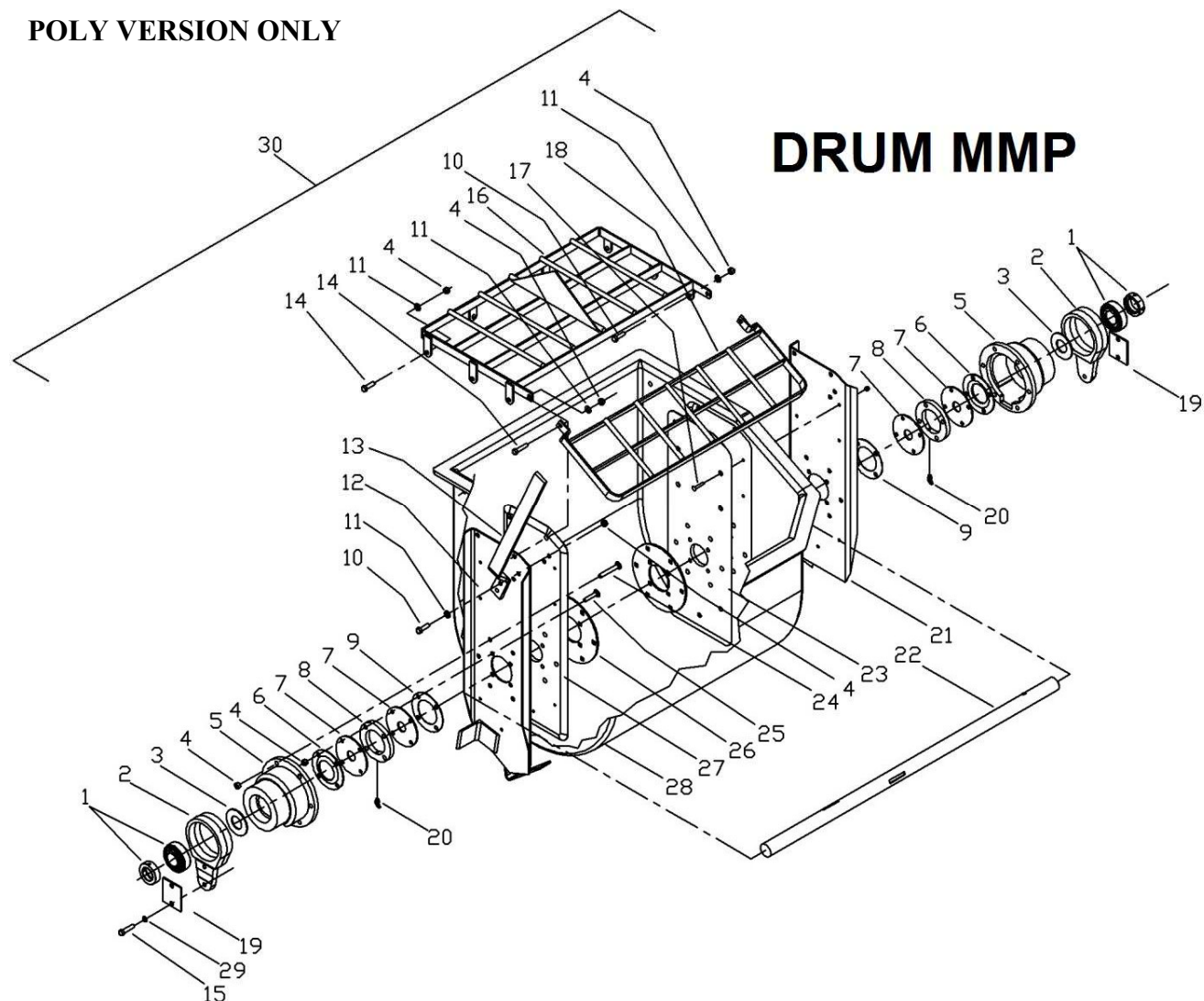
STEEL VERSION ONLY



DRUM ASSEMBLY PARTS LIST 1					
ITEM #	PART #	DESCRIPTION	MM6	MM8	MM9
1	T164-1	DRUM MM6 (27-3/4")	1		
1	T211	DRUM ASSY COMPLETE MM6 (27-3/4")	1		
1	T302	DRUM MM8 (27-3/4")		1	
1	T212	MM8 DRUM ASSEMBLY COMPLETE (27-3/4")		1	
1	T402	DRUM MM10 (32-1/2")			1
1	T213	DRUM ASSEMBLY COMPLETE MM10 (32-1/2")			1
2	T167	DRUM GRID W/ BAG CUTTER MM6	1		
2	T303	DRUM GRID W/ BAG CUTTER MM8		1	
2	T403	DRUM GRID W/ BAG CUTTER MM10			1
3	T111	PIN COTTER, 3/16" X 2"	2	2	2
4	T105	PLAIN WASHER 1/2"	5	5	5
5	T110	3/6" COTTER PIN	1	1	1
*6	T166	CONTROL & DUMPING HANDLE GRIPS (ROUND)	1	1	1
6	T166-1	CONTROL HANDLE GRIP (FLAT)	1	1	1
7	T168	DRUM DUMPING HANDLE W/ GRIP	1	1	1
8	T176	HEX BOLT 3/8" X 1-1/2"	2	2	2
9	T114	HEX LOCK NUT 3/8"	10	10	10
10	T106	HEX LOCK NUT 1/2"	1	1	1
11	T189	HEX BOLT HD 1/2" X 1 3/4"	1	1	1
12	T102	BEARING GREASE FITTING 45 DEG	2	2	2
13	T175	BEARING, 208-24 (WITH LOCKING RING)	2	2	2
14	T177	RETAINGING RING, 3" INTERNAL DIAMETER	2	2	2
15	T174	CARRIAGE BOLT 3/8" X 1-1/2"	8	8	8
16	T115	DRUM DUMPING LOCK BAR 1/4 X 1-1/2 X 26-1/8	1	1	1
17	T172	DRUM HUB SEALS KIT (ONE END) (6 SEALS PER KIT)	2	2	2
18	T173-2	4 HOLES TRUNNION FOR 3/8" SCREWS	2	2	2
19	T169	DRUM HUB STEEL SPACER	2	2	2

PARTS LIST 2: MORTAR MIXER

POLY VERSION ONLY

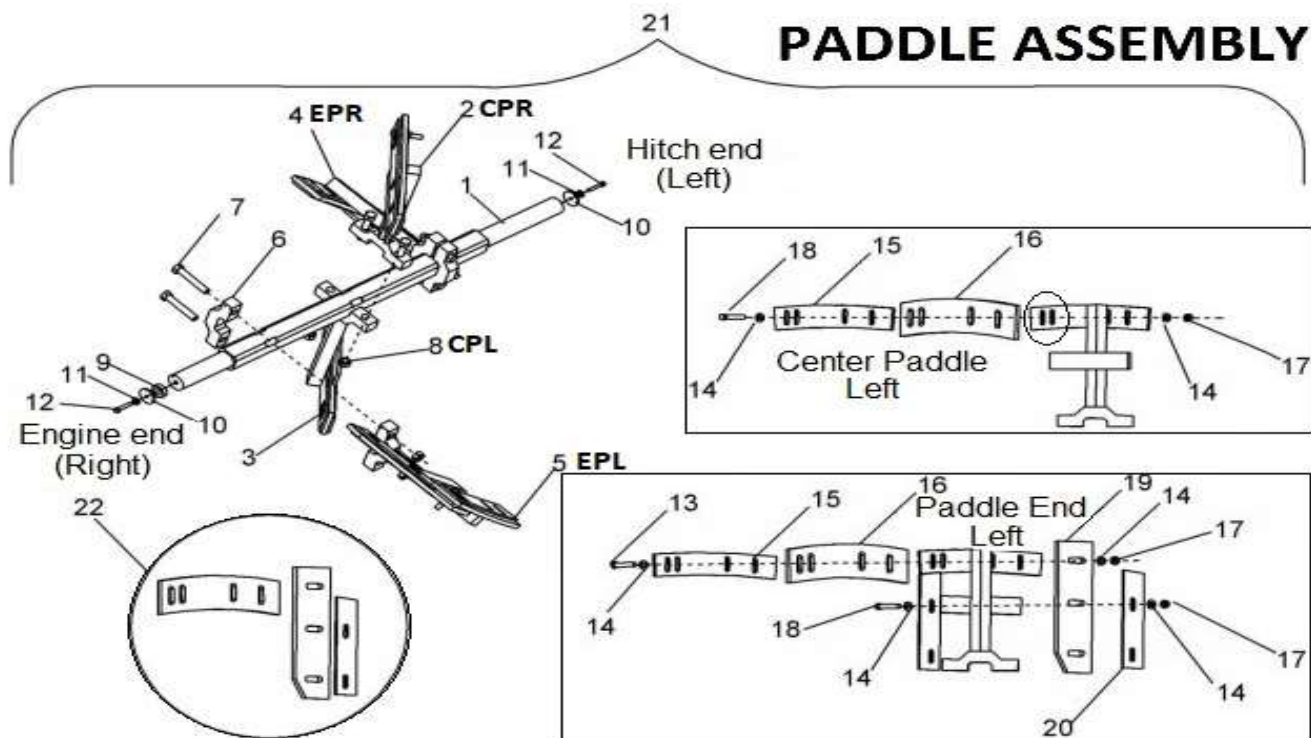


DRUM ASSEMBLY PARTS LIST 2				
ITEM #	PART #	DESCRIPTION	MM6P	MM8P
1	T175	BEARING, 208-24 (WITH LOCKING RING)	2	2
2	T485	DRUM PIVOT	2	2
3	T486	SEAL FINGER (R2) 3.00 X 1.47 X .13	2	2
4	T114	HEX LOCK NUT 3/8"	30	32
5	T487	DRUM TRUNNION	2	2
6	T488	DRUM SEAL RING	2	2
7	T551	DRUM SEAL	4	4
8	T489	DRUM SEAL PLATE	2	2
9	T490	GASKET 4-1/2" DIAM 0.06 THICK	2	2
10	T145	HEX BOLT HD, GR5 3/8" X 2"	4	4
CON'T ON NEXT PAGE				

CON'T FROM PREVIOUS PAGE				
11	T112	PLAIN WASHER 3/8"	10	12
12	T491	FRONT OUTSIDE CHANNEL	1	
12	T492	FRONT OUTSIDE CHANNEL		1
13	T168	DRUM DUMPING HANDLE LEVER W/ GRIP	1	1
14	T176	HEX BOLT 3/8" X 1-1/2"	6	6
15	T595	HEX BOLT HD GR5 1/2" X 1-1/2"	4	4
16	T493	GRILL FIXED	1	
16	T494	GRILL FIXED		1
17	T552	BOLT ALLEN HD, 1/4"X 1-1/2"	14	14
18	T553	GRILL HINGED	1	
18	T554	GRILL HINGED		1
19	T555	SHIM, 1/4" THK (OPTIONAL)	2	2
20	T102	DRUM BEARING, GREASE FITTING 45 DEG	2	2
21	T556	REAR OUTSIDE DRUM CHANNEL	1	
21	T557	REAR OUTSIDE CHANNEL		1
22	T558	PADDLE SHAFT	1	
22	T559	PADDLE SHAFT		1
23	T560	REAR INSIDE DRUM CHANNEL FILLER	1	
23	T561	REAR INSIDE DRUM CHANNEL FILLER		1
24	T174	CARRIAGE BOLT 3/8" X 1-1/2" GR2 ZP	12	12
25	T562	BOLT, CARRIAGE 3/8 X 2	8	8
26	T563	INNER SEAL PLATE	2	2
27	T564	FRONT DRUM FILLER PLATE DRILLED	1	
27	T565	FRONT DRUM FILLER PLATE DRILLED		1
28	T566	DRUM	1	
28	T567	DRUM		1
29	T112	SPING WASHER 1/2"	4	4
30	T569	DRUM ASSY COMPLETE	1	
30	T570	DRUM ASSY COMPLETE		1

PARTS LIST 3: MORTAR MIXER

STEEL VERSION ONLY



PADDLE ASSEMBLY PARTS LIST 3					
ITEM #	PART #	DESCRIPTION	MM6	MM8	MM9
1	T305	SQUARE MAIN SHAFT 1-3/4" X 38-7/8"	1	1	
1	T404	SQUARE MAIN SHAFT 1-3/4" X 43-5/8"			1
2	T179-2	CENTER PADDLE RIGHT ARM (1" GRIP)	1		
2	T306-2	CENTER PADDLE RIGHT ARM (1" GRIP)		1	1
3	T182-2	CENTER PADDLE LEFT ARM (1" GRIP)	1		
3	T308-2	CENTER PADDLE LEFT ARM (1" GRIP)		1	1
5	T191-2	ENGINE END, END PADDLE RIGHT ARM (1" GRIP)	1		
4	T309-2	HITCH END, END PADDLE LEFT ARM (1" GRIP)		1	1
4	T183-2	HITCH END, END PADDLE LEFT ARM (1" GRIP)	1		
5	T314-2	ENGINE END, END PADDLE RIGHT ARM (1" GRIP)		1	1
6	T188-2	PADDLE ARMS L/R BRACKETS (1" GRIP)	2	2	2
7	120520	HEX BOLT HD 1/2 X 3-1/2	6	6	6
8	T106	HEX LOCK NUT 1/2"	6	6	6
9	T413	MAIN SHAFT BUSHING	1	1	1
10	T152	MM PADDLE SHAFT PLAIN WASHER 3/16"	2	2	2
11	T113	LOCK WASHER 3/8	2	2	2
12	T116	HEX BOLT 3/8 X 1 NF	2	2	2
13	T145	HEX BOLT HD, GR5 3/8" X 2"	2	2	2
14	T112	PLAIN WASHER 3/8"	36	40	40
15	T180	CENTER PADDLE RUBBER BLADE	4	4	4
CON'T ON NEXT PAGE					

CON'T FROM PREVIOUS PAGE					
16	T181	CENTER PADDLE STEEL BLADE 3/8"	4	4	4
17	T114	HEX LOCK NUT 3/8"	18	20	20
18	T176	HEX BOLT 3/8" X 1-1/2"	16	18	18
19	T184	END PADDLE SIDE RUBBER BLADE	2		
19	T310	END PADDLE SIDE RUBBER BLADE		2	2
20	T185	END PADDLE SIDE STEEL BLADE 3/16 X 2 X 6-3/8	2		
20	T311	END PADDLE SIDE STEEL BLADE		2	2

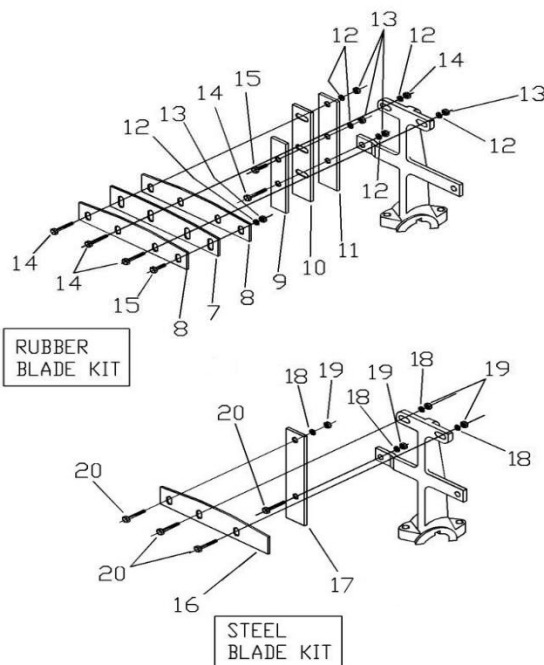
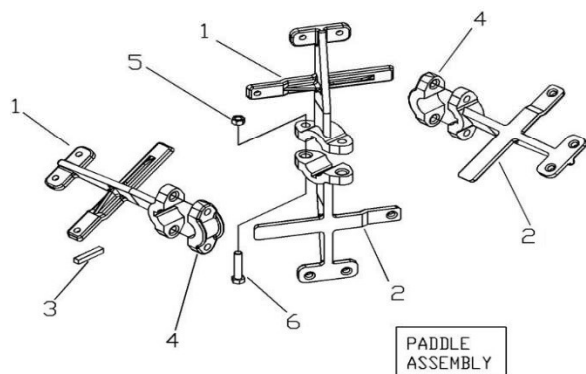
COMPLETE PADDLE KITS PARTS LIST 3					
ITEM #	PART #	DESCRIPTION	MM6	MM8	MM9
21	T179-3	COMPLETE PADDLE & WIPERS SET (1" GRIP)	1		
21	T306-3	COMPLETE PADDLE & WIPERS SET		1	1
22	T301-1	COMPLETE RUBBER BLADE KIT	1		
22	T301	COMPLETE RUBBER BLADE KIT		1	1

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PARTS LIST 4: MORTAR MIXER

POLY VERSION ONLY

PADDLE ASSEMBLY MM6P

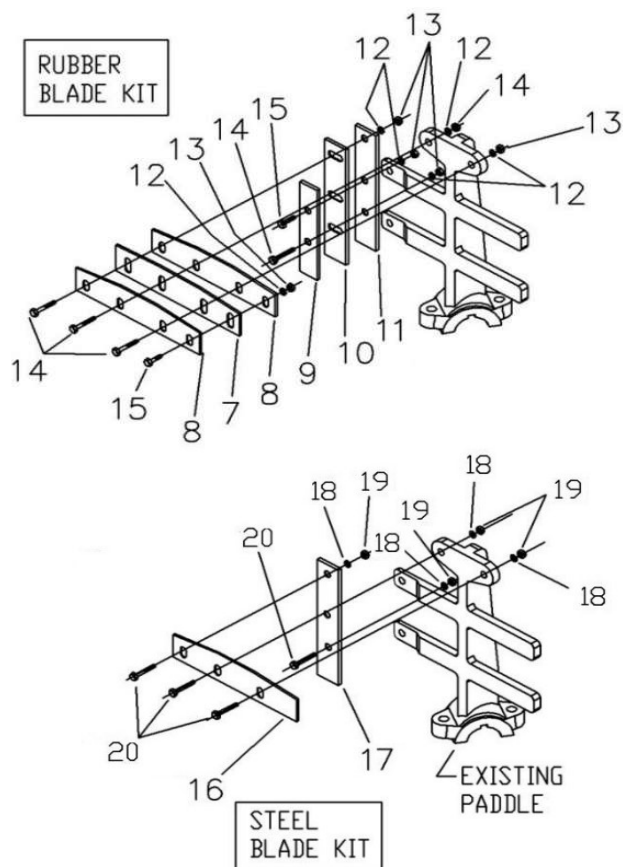
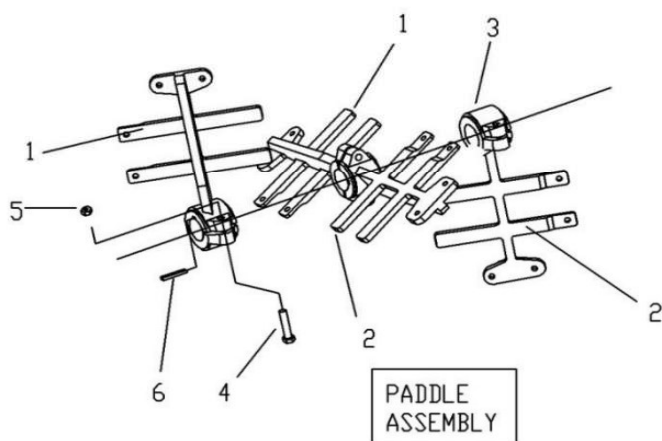


PADDLE ASSEMBLY PARTS LIST 4				
ITEM #	PART #	DESCRIPTION	MM6P	MM8P
1	T571	END PADDLE & CENTRAL PADDLE LEFT	2	
2	T574	END PADDLE & CENTRAL PADDLE RIGHT	2	
3	T708	KEY, 3/8" X 1-5/8"	4	
*3	T572	KEY 3/8" X 1-3/4" (OLD SIZE)	4	
4	T573	CAP PADDLE	2	
5	T106	HEX LOCK NUT 1/2"	6	
6	T481	HEX BOLT HD 1/2" X 3"	6	
RUBBER BLADE KIT PARTS LIST 4				
7	T577	WIPER	4	
8	T579	BLADE, TOP	8	
9	T580	BLADE, SIDE	2	
10	T578	WIPER	2	
11	T581	BLADE, SIDE	2	
12	T112	PLAIN WASHER 3/8"	44	
13	T114	HEX LOCK NUT 3/8"	18	
14	T145	HEX BOLT HD, GR5 3/8" X 2"	4	
15	T176	HEX BOLT 3/8" X 1-1/2"	16	
21	609802	RUBBER BLADE KIT	1	
STEEL BLADE KIT PARTS LIST 4				
16	T575	BLADE, TOP	4	
17	T576	BLADE, SIDE	2	
18	T112	PLAIN WASHER 3/8"	24	
19	T114	HEX LOCK NUT 3/8"	12	
20	T176	HEX BOLT 3/8" X 1-1/2"	12	
22	610550	PADDLE KIT	1	

PARTS LIST 5: MORTAR MIXER

POLY VERSION ONLY

PADDLE ASSEMBLY MM8P



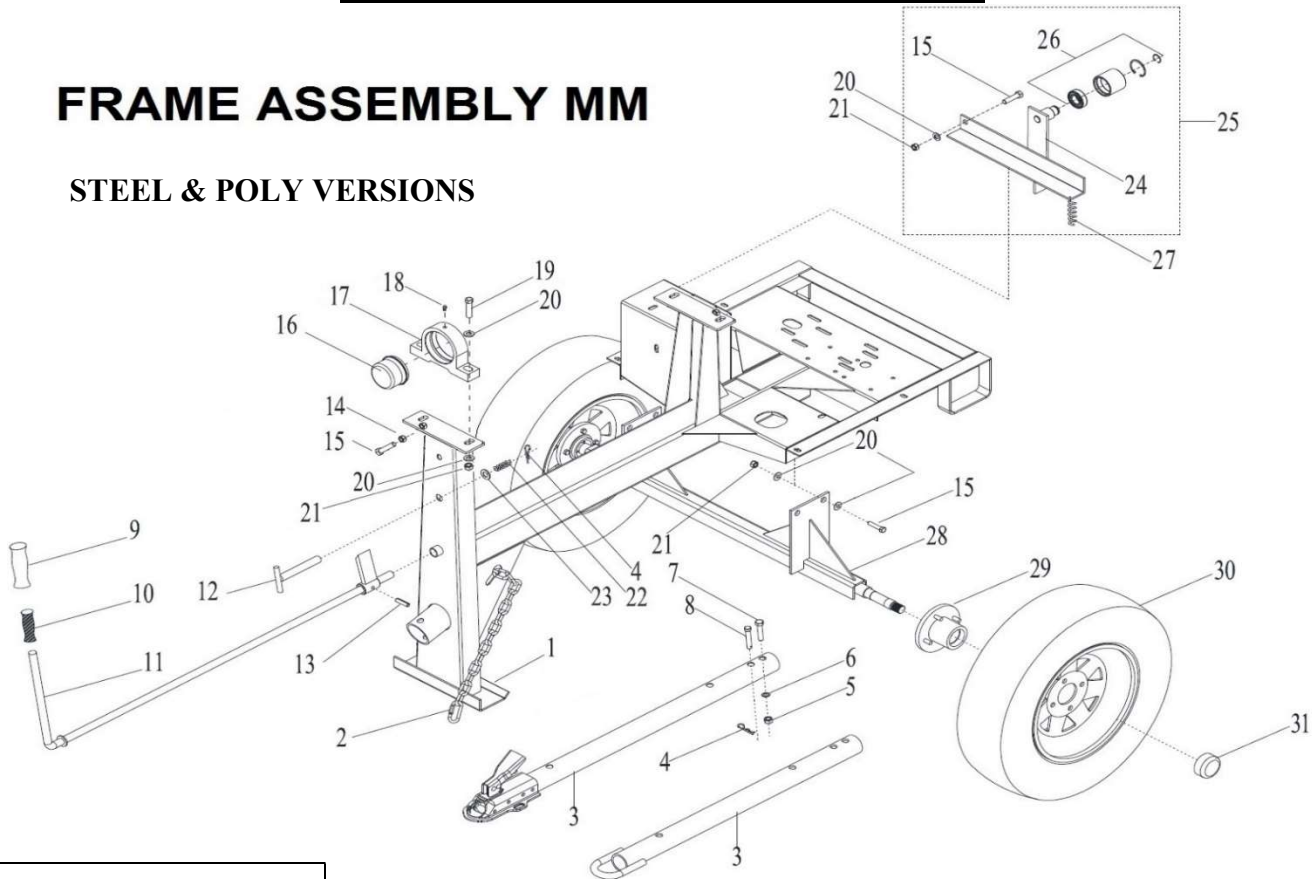
PADDLE ASSEMBLY PARTS LIST 5				
ITEM #	PART #	DESCRIPTION	MM6P	MM8P
1	T582	END & CENTRAL PADDLE		2
2	T583	END & CENTRAL PADDLE		2
3	T573	CAP PADDLE		8
4	T481	HEX BOLT HD 1/2" X 3"		6
5	T106	HEX LOCK NUT 1/2"		6
6	T708	KEY, 3/8" X 1-5/8"		4
*6	T572	KEY 3/8" X 1-3/4" (OLD SIZE)		4
RUBBER BLADE KIT PARTS LIST 5				
7	T577	WIPER		4
8	T579	BLADE, TOP		8
9	T586	BLADE, SIDE		2
10	T578	WIPER		2
11	T588	BLADE, SIDE		2
12	T112	PLAIN WASHER 3/8"		44
13	T114	HEX LOCK NUT 3/8"		18
14	T145	HEX BOLT HD, GR5 3/8" X 2"		4
15	T176	HEX BOLT 3/8" X 1-1/2"		16
21	609910	RUBBER BLADE KIT		1
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STEEL BLADE KIT PARTS LIST 5				
16	T575	BLADE, TOP		4
17	T576	BLADE, SIDE		2
18	T112	PLAIN WASHER 3/8"		24
19	T114	HEX LOCK NUT 3/8"		12
20	T176	HEX BOLT 3/8" X 1-1/2"		12
22	610555	PADDLE KIT		1

PARTS LIST 6: MORTAR MIXER

FRAME ASSEMBLY MM

STEEL & POLY VERSIONS



FRAME ASSEMBLY PARTS LIST 6					
ITEM #	PART #	DESCRIPTION	MM6	MM8	MM9
1	T200-1	FRAME MM6	1		
1	T499	FRAME (POLY VERSION)	1 (P)		
1	T300	FRAME MM8	1	1	
1	T550	FRAME (POLY VERSION)		1 (P)	
1	T400	FRAME			1
1	T742	FRAME MM6 (After Feb 2022, #68001)	1		
1	T745	FRAME MM8 (After Feb 2022, #68017)		1	
2	T501	5/16 SAFETY CHAIN W/ OVAL SNAPS	1	1	1
3	T118-V	PINTLE HITCH VERTICAL HOLE	1	1	1
3	T119-V	2" BALL HITCH VERTICAL HOLE	1	1	1
4	T110	3/6" COTTER PIN	1	1	1
5*	T124	TOWING HITCH, HEX NUT, 3/4 NF (OBSOLETE)	1	1	1
5	T124-1	TOWING HITCH, HEX NUT, 5/8 NF	1	1	1
6*	T123	TOWING HITCH, SPRING WASHER 3/4" (OBSOLETE)	1	1	1
6	T123-1	TOWING HITCH, SPRING WASHER 5/8"	1	1	1
7*	T122	TOWING HITCH, HEX HEAD SCREW 3/4" X 3-1/2" (OBSOLETE)	1	1	1
7	T122-1	TOWING HITCH, HEX HEAD SCREW 5/8" X 3-1/2"	1	1	1
8*	T121	TOWING HITCH, LOCK PIN (OBSOLETE)	1	1	1
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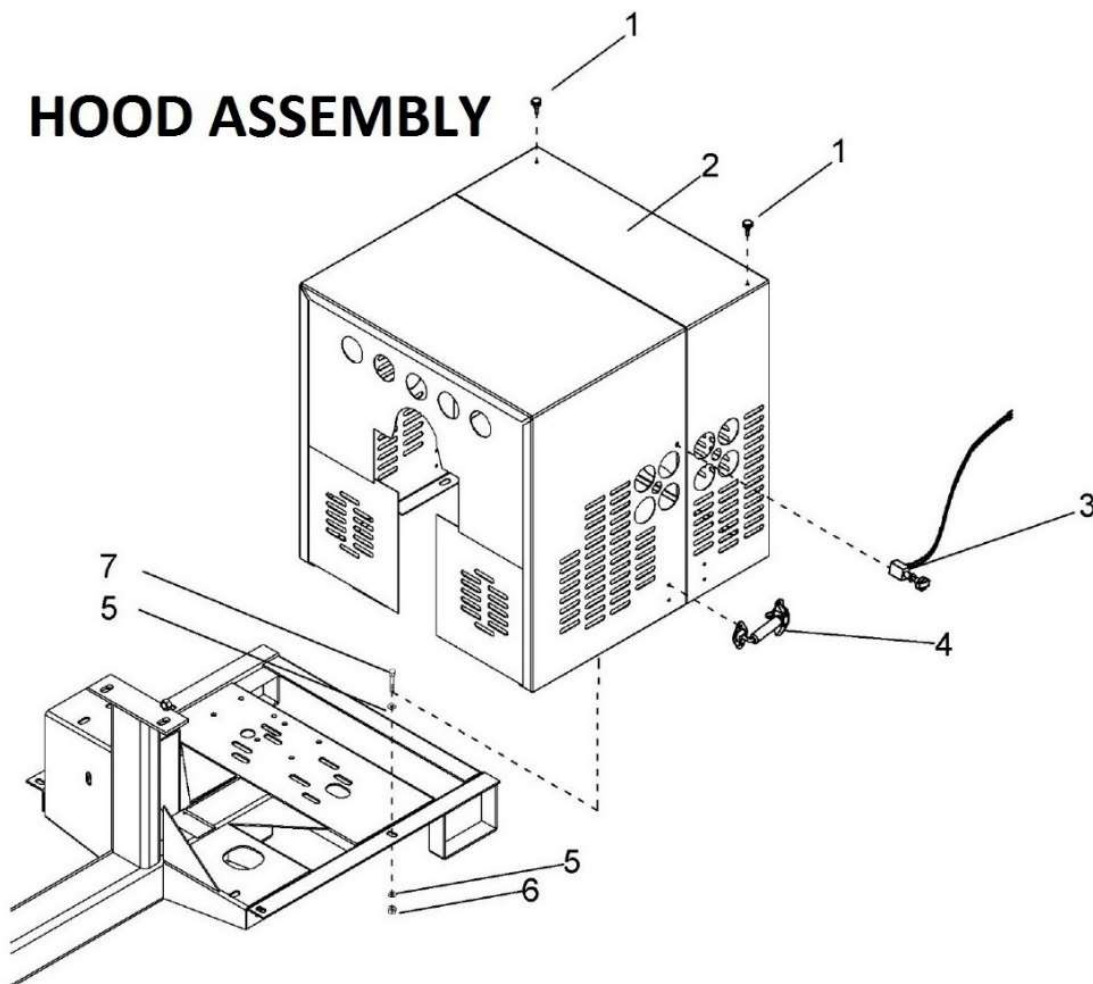
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8	T121-1	TOWING HITCH, LOCK PIN	1	1	1
9	T166	CONTROL & DUMPING HANDLE GRIPS (ROUND)	1	1	1
10	T414	ENGAGEMENT HANDLE SMALL HAND GRIP	1	1	1
11	T117	ENGAGEMENT CONTROL HANDLE LEVER	1	1	
11	T415	ENGAGEMENT CONTROL HANDLE LEVER			1
12	T107	TOWING/DUMPING SPRING LOADED LOCK PIN	1	1	1
13	T505	CONTROL HANDLE LOCK PIN 3/8 X 1-1/2	1	1	1
14	T190	HEX LOCK NUT 1/2" (WELDED TO FRAME)	2	2	2
15	T189	HEX BOLT HD 1/2" X 1 3/4"	7	7	7
16	T126	MM DRUM BEARINGS DUST CAP	1	1	1
17	T101	3" DRUM PILLOW BLOCK	2	2	2
18	T102	DRUM BEARING, GREASE FITTING 45 DEG	2	2	2
19	T104	HEX BOLT HD 1/2" X 2-1/2"	4	4	4
20	T105	PLAIN WASHER 1/2"	17	17	17
21	T106	HEX LOCK NUT 1/2"	9	9	9
22	T109	TOWING/DUMPING, LOCK PIN SPRING	1	1	1
23	T108	PLAIN WASHER 3/4" X 1-1/2	1	1	1
24	T140	IDLER ARM BRACKET (NO IDLER BEARING)	1	1	1
25	T197	BEARING CLUTCH ASSEY WITH IDLER ARM BRACKET	1	1	1
26	T197-1	BEARING IDLER CLUTCH ASSEY (NO IDLER ARM BRACKET)	1	1	1
27	T192	ILDER ARM (CLUTCH) SPRING	1	1	1
28	T125-2	STANDARD 46" AXLE MM6-MM12 (NO HUBS)	1	1	1
28	T125-3	STANDARD 46" AXLE ASSY MM6-MM12 (INCLUDING HUBS)	1	1	1
29	T129-1	WHEEL HUB W/ 1" BRG L44643 & DUST CAP (NEW STYLE)	2	2	2
30	T137-12	WHEEL & TIRE ASSY 4.8 X 12"	2		
30	T137	WHEEL & TIRE ASSY 165-80 R13"	OP	2	2
31	T136-1	DUST CAP FOR WHEEL HUBS 1.98" (NEW STYLE)	2	2	2
32*	T138	WHEEL LUG NUT 1/2" X 20	8	8	8
33*	T231	WHEEL HUB 1" BEARING	2	2	2

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PARTS LIST 7: MORTAR MIXER

STEEL & POLY VERSIONS

HOOD ASSEMBLY

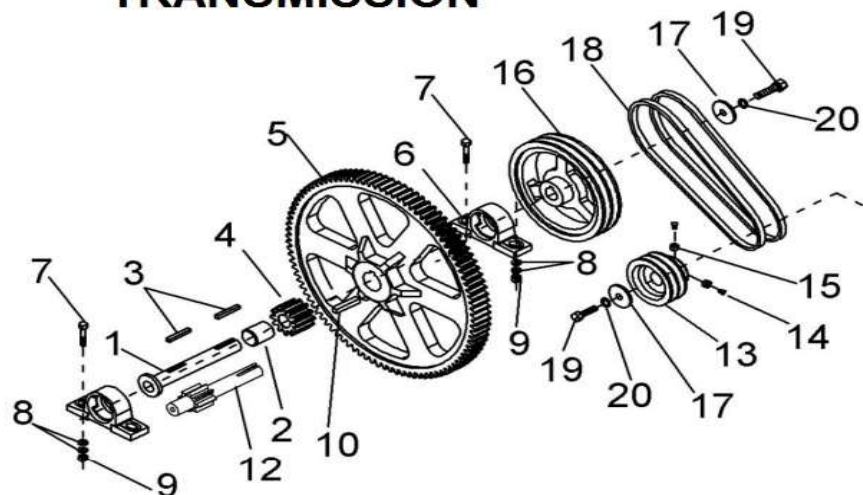


HOOD ASSEMBLY PARTS LIST 7					
ITEM #	PART #	DESCRIPTION	MM6	MM8	MM9
1	T158	RUBBER SCREW 1/4" FOR SHROUD	2	2	2
2	T157	SQUARE SHROUD ASSEY W/KILL SWITCH	1	1	1
2	T743	Hybrid square shroud (After Feb 2022)	1	1	1
3	T193	ENGINE KILL SWITCH ASSEY RED (WITH HARNESS)	1	1	1
3	T195-1	ENGINE N.O KILL SWITCH RED (NO HARNESS)	1	1	1
4	T160	SHROUD HOOK ASSEMBLY	2	2	2
5	T112	PLAIN WASHER 3/8"	8	8	8
6	T114	HEX LOCK NUT 3/8"	4	4	4
7	T176	HEX BOLT 3/8" X 1-1/2"	4	4	4
8	T193	SHROUD ASSEM PUSH STOP	1	1	1
9	T687	SNAP PLUG 2"	1	1	1
10	T744	SPRING WASHER, 3/8"	2	2	2

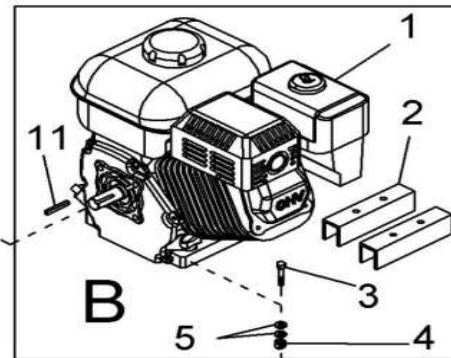
PARTS LIST 8: MORTAR MIXER

STEEL & POLY VERSIONS

TRANSMISSION



ENGINE



TRANSMISSION ASSEMBLY PARTS LIST 8					
ITEM #	PART #	DESCRIPTION	MM6	MM8	MM9
1	T146	TRANSMISSION SHAFT 1" X 7-1/4"	1	1	1
2	T205	TRANSMISSION BUSHING 1" X 1-5/8	1	1	1
3	T202	KEY 1/4" X 1-7/8"	2	2	2
3	T483	KEY 1/4 X 1-1/4	2	2	2
4	T149	12 TH TRANSMISSION PINION 2-3/8" X 2 1/2"	1	1	1
5	T151	96 TH TRANSMISSION BULL GEAR 14"	1	1	1
6	T150	TRANSMISSION PILLOW BLOCK 1"	2	2	2
7	T145	HEX BOLT HD, GR5 3/8" X 2"	2	2	2
8	T112	PLAIN WASHER 3/8"	4	4	4
9	T114	HEX LOCK NUT 3/8"	2	2	2
10	T120	BULL GEAR KEY 3/8" X 2"	1	1	1
11	T147	ENGINE KEY 1/4 FOR 8HP & 13HP	OP	1	1
11	T147-1	ENGINE KEY 3/16" FOR 5HP	1		
12	T1002	ELEC MIXER TRANSM PINION SHAFT 7-1/4" X 1" W/ 1-1/2" 8TH PINION	1	1	1
13	T154	PULLEY 3-3/4" CAL 1" X 2 GROOVES (2AK39X1)	1	1	1
13	T154-1	PULLEY ENGINE, 2AK39 X 3/4"	1 ELEC	1 ELEC	
13	T154-3	PULLEY MOTOR, 2-1/2" X 5/8" 2 GROOVES (2AK2558)	1 ELEC		
13	T1000	PULLEY MOTOR, 2-1/2" CAL 7/8" 2 GROOVES		1 ELEC	1 ELEC
13	T1001	PULLEY MOTOR, 2-1/2 CAL 1-1/8 X 2 GROOVES		1 ELEC	1 ELEC
14	T203	SET SCREW, 3/8 X 1" FOR 8HP - 13HP ENGINE PULLEY		2	2
14	T203-1	SET SCREW 3/8" X 1-1/4" FOR 5HP ENGINE	2		
15	T410	HEX NUT 3/8 NC	2	2	2
16	T153-2	PULLEY 8" CAL 1" 2 GROOVES	1	1	1
CON'T ON NEXT PAGE					

CON'T FROM PREVIOUS PAGE					
17	T152	MM PADDLE SHAFT PLAIN WASHER 3/16"	1	1	1
18	T155	GAS ENGINE TRASMISSION BELT, AX37	2	2	2
19	T116	HEX BOLT 3/8" X 1" NF	1	1	1
20	T113	LOCK WASHER 3/8"	1	1	1

ENGINE ASSEMBLY PARTS LIST 8					
ITEM #	PART #	DESCRIPTION	MM6	MM8	MM9
1	T171	ENGINE HONDA 5.5 HP GX160UQXE6 WITH 6:1 REDUCER	1	1	
1	T304	ENGINE HONDA 8 HP O/A GX240 WITH 6:1 REDUCER	1	1	1
2	T165	RAISING HEIGHT BRACKET FOR 5.5HP ENGINE	2		
2	T484	RAISING HEIGHT 2" BRACKET FOR ELECTRIC MOTOR	2	2	2
3	T201	HEX BOLT HD 5/16" X 3"	4		
3	C158	HEX BOLT HD, GR5 3/8" X 2"		4	4
4	T148	HEX LOCK NUT 5/16"	4		
4	C142	HEX LOCK NUT 3/8"		4	4
5	T198	PLAIN WASHER 5/16 I.D. X 3/4 O.D.	8		
5	C139	PLAIN WASHER 3/8"		8	8
11		ENGINE KEY FOR 5HP ENGINE	1		
11	T147	ENGINE KEY 1/4 FOR 8HP & 13HP		1	1

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