

PARTS MANUAL



ESSICK

**MODEL
EM90SLF
PLASTER AND MORTAR MIXER
(MPOWER 177F-BH 9.0 HP GASOLINE ENGINE)**

Revision #0 (10/21/22)

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THIS MANUAL MUST ACCOMPANY THE EQUIPMENT AT ALL TIMES.

EM90SLF Plaster and Mortar Mixer

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NOTICE

Specifications and part numbers are subject to change without notice.

[illegible]

EXPLANATION OF CODE IN REMARKS COLUMN

The following section explains the different symbols and remarks used in the Parts section of this manual. Use the help numbers found on the back page of the manual if there are any questions.

NOTICE

The contents and part numbers listed in the parts section are subject to change **without notice**. Multiquip does not guarantee the availability of the parts listed.

SAMPLE PARTS LIST

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	12345	BOLT.....	1	INCLUDES ITEMS W/%
2%		WASHER, 1/4 IN.....		NOT SOLD SEPARATELY
2%	12347	WASHER, 3/8 IN....	1	MQ-45T ONLY
3	12348	HOSE		A/R ...MAKE LOCALLY
4	12349	BEARING	1	S/N 2345B AND ABOVE

NO. Column

Unique Symbols — All items with same unique symbol

(@, #, +, %, or >) in the number column belong to the same assembly or kit, which is indicated by a note in the “Remarks” column.

Duplicate Item Numbers — Duplicate numbers indicate multiple part numbers, which are in effect for the same general item, such as different size saw blade guards in use or a part that has been updated on newer versions of the same machine.

NOTICE

When ordering a part that has more than one item number listed, check the remarks column for help in determining the proper part to order.

PART NO. Column

Numbers Used — Part numbers can be indicated by a number, a blank entry, or TBD.

TBD (To Be Determined) is generally used to show a part that has not been assigned a formal part number at the time of publication.

A blank entry generally indicates that the item is not sold separately or is not sold by Multiquip. Other entries will be clarified in the “Remarks” Column.

QTY. Column

Numbers Used — Item quantity can be indicated by a number, a blank entry, or A/R.

A/R (As Required) is generally used for hoses or other parts that are sold in bulk and cut to length.

A blank entry generally indicates that the item is not sold separately. Other entries will be clarified in the “Remarks” Column.

REMARKS Column

Some of the most common notes found in the “Remarks” Column are listed below. Other additional notes needed to describe the item can also be shown.

Assembly/Kit — All items on the parts list with the same unique symbol will be included when this item is purchased.

Indicated by:

“INCLUDES ITEMS W/(unique symbol)”

Serial Number Break — Used to list an effective serial number range where a particular part is used.

Indicated by:

“S/N XXXXX AND BELOW”

“S/N XXXX AND ABOVE”

“S/N XXXX TO S/N XXX”

Specific Model Number Use — Indicates that the part is used only with the specific model number or model number variant listed. It can also be used to show a part is NOT used on a specific model or model number variant.

Indicated by:

“XXXXX ONLY”

“NOT USED ON XXXX”

“Make/Obtain Locally” — Indicates that the part can be purchased at any hardware shop or made out of available items. Examples include battery cables, shims, and certain washers and nuts.

“Not Sold Separately” — Indicates that an item cannot be purchased as a separate item and is either part of an assembly/kit that can be purchased, or is not available for sale through Multiquip.

SUGGESTED SPARE PARTS

EM90SLF PLASTER AND MORTAR MIXER WITH MPOWER 177F-BH GASOLINE ENGINE

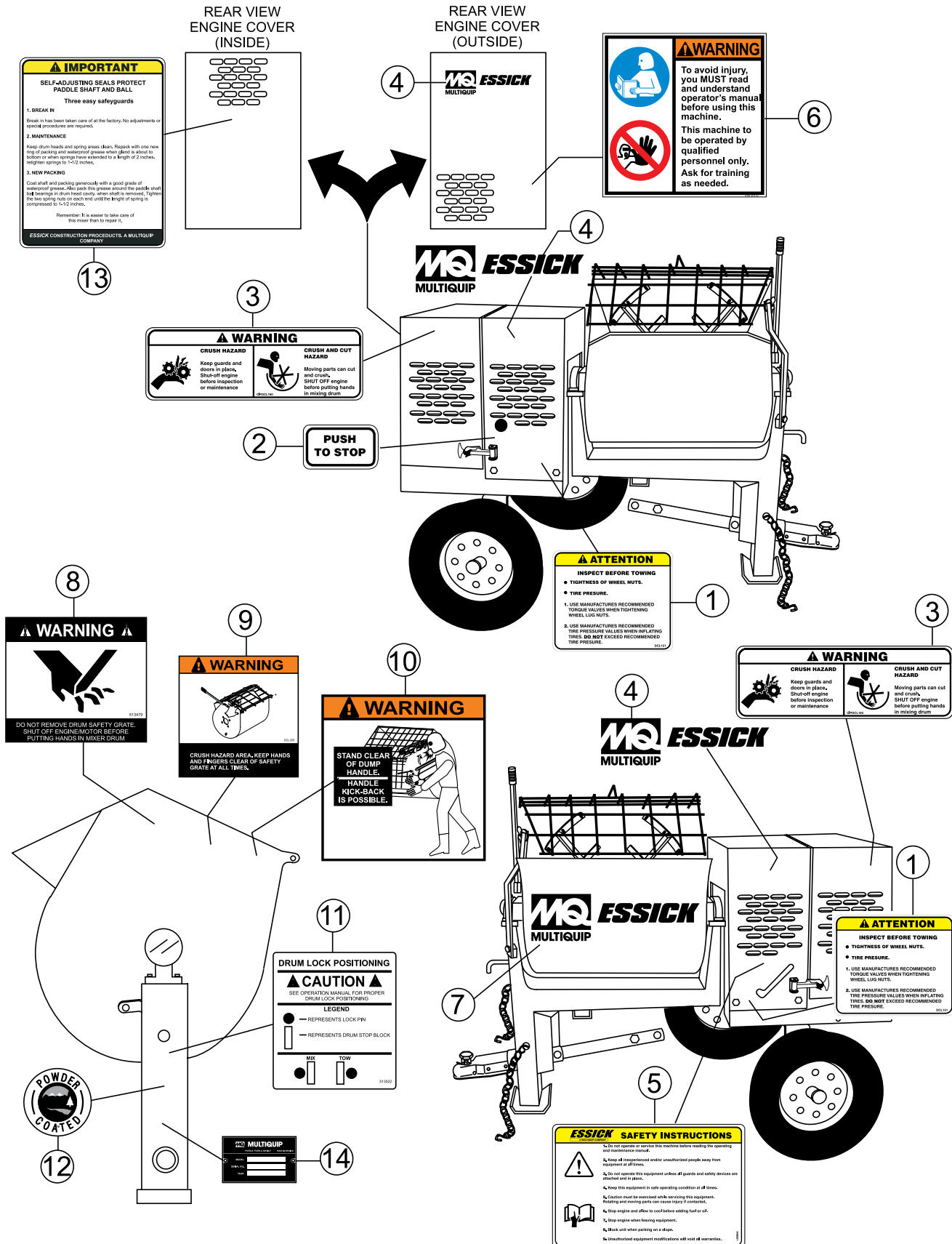
1 to 3 units

Qty.	P/N	Description
6.....	EM505834	V-BELT, A36
2.....	EM914288	OIL SEAL, AXLE
4.....	EM903113	BEARING, CONE, AXLE
4.....	EM903112	BEARING, CUP, AXLE
4.....	507844.....	SPRING COMPRESSION
4.....	EM200285	GLAND, PACKING HALF
12.....	EM200301	RING, SHAFT PACKING
4.....	505065.....	CARRIAGE BOLT 3/8" NC X 3" (STEEL)
2.....	EM200863	KIT, WIPER BLADES (STEEL DRUM)
3.....	17124-A1010-001.....	ELEMENT, AIR CLEANER
3.....	27100-A0710-0001.....	SPARK PLUG
1.....	23230-A0712-0001.....	ROPE, RECOIL STARTER
1.....	16400-A0710-0008.....	CAP WITH GASKET, FUEL TANK
1.....	16610-A0710-0008.....	FUEL FILTER CUP

NOTICE

Part numbers on this Suggested Spare Parts list may supersede/replace the part numbers shown in the following parts lists.

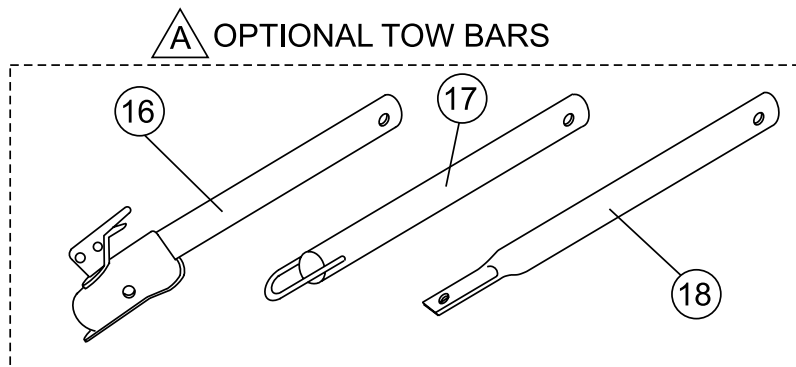
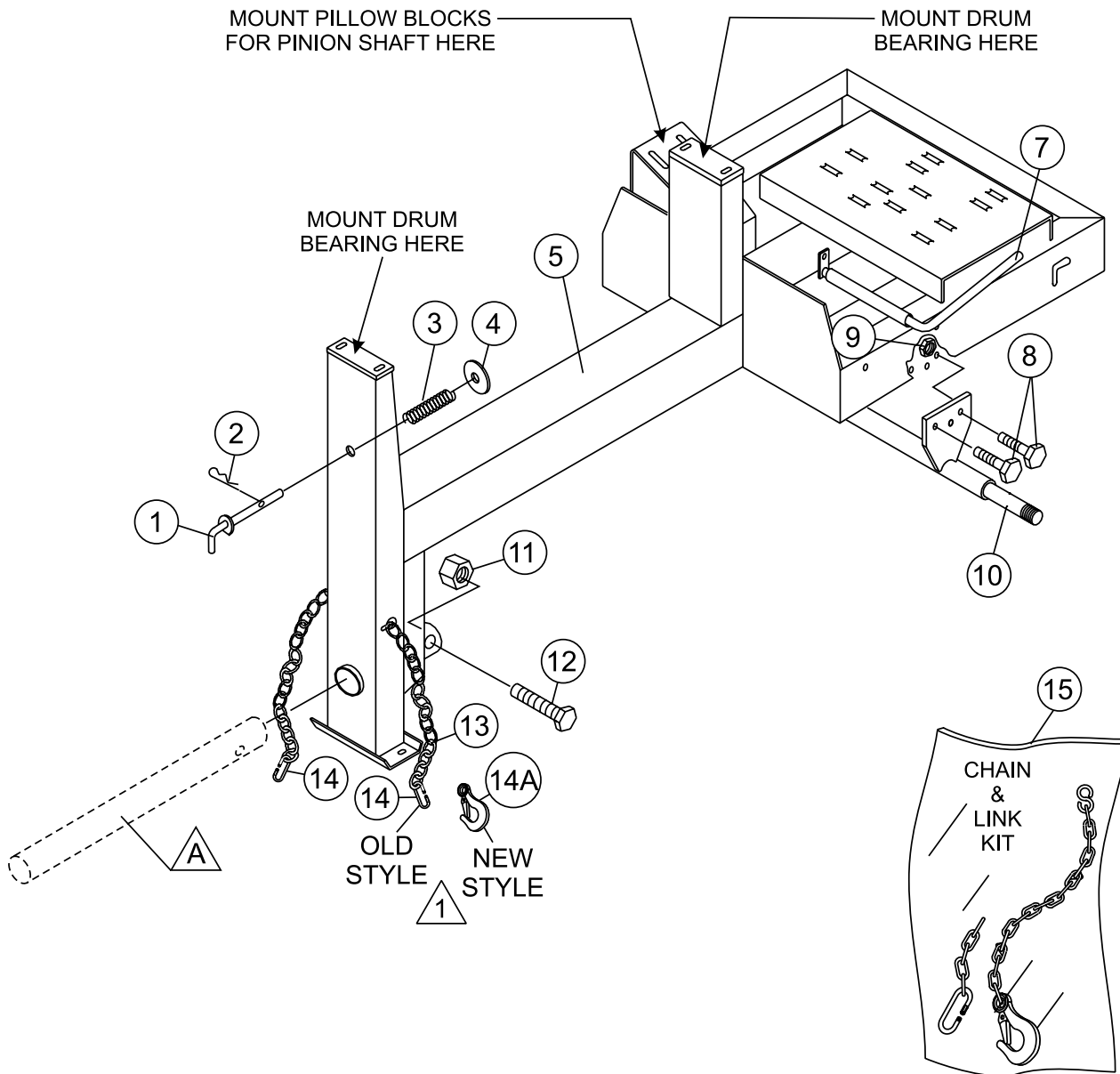
NAMEPLATE AND DECALS ASSY.



NAMEPLATE AND DECALS ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	DCL151	DECAL, TOWING INSTRUCTIONS	2	
2	EM948630	DECAL, PUSH TO STOP	1	
3	CIPDCL160	DECAL, CRUSH WARNING	2	
4	EM510891	DECAL, ESSICK LOGO (SMALL)	3	
5	948501	DECAL, SAFETY INSTRUCTIONS	1	
6	35137	DECAL, WARNING READ	1	
7	EM510883	DECAL, ESSICK LOGO (LARGE)	3	
9	513479	DECAL, WARNING SAFETY GRATE	1	
9	DCL335	DECAL, CRUSH WARNING SAFETY GRATE	1	
10	DCL280	DECAL, WARNING DUMP HANDLE	1	
11	513522	DECAL, DRUM LOCK	1	
12	13118	DECAL, POWDER COATED	1	
13	948121	DECAL, SELF-ADJUSTING SEALS	1	
14		NAMEPLATE.....	1.....	CONTACT PARTS DEPT.

FRAME ASSY.



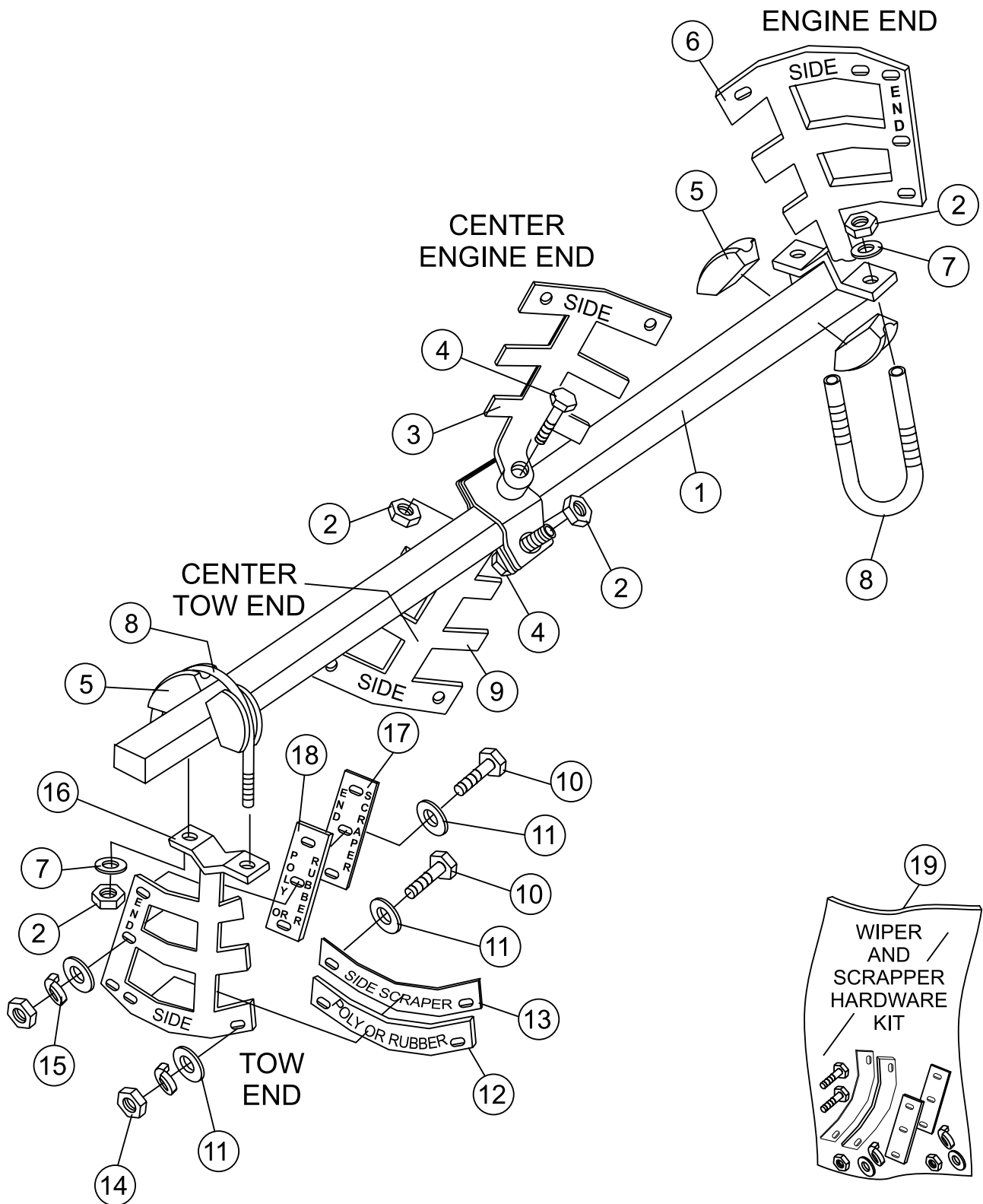
Quantity of item 14, Connector Link, changed from 2 to 1 in January 2006. Item 14A, Clevis Safety Hook, replaces discontinued Connector Link.

1

FRAME ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	514842	LOCK PIN UNIT	1	
2	491692	COTTER PIN	1	
3	530023	SPRING LOCKING PIN	1	
4	507444	WASHER, FLAT 3/4"	1	
5	514835	MAIN FRAME	1	
7	514836	HANDLE, CLUTCH ENGAGE	1	
8	EM963692	BOLT 1/2" UNC 1-1/2"	6	
9	492584	NUT, LOCK 1/2"	6	
10	514802	AXLE, UNIVERSAL	1	
11	10176	LOCK NUT 1/2" NC	1	
12	EM124	BOLT 1/2"-13 X 4 G5	1	
13%		SAFETY CHAIN	1	
14%	01004	CONNECTOR LINK	2.....	BEFORE JANUARY 2006
14%	01004	CONNECTOR LINK	1.....	AFTER JANUARY 2006
14A%	516580	CLEVIS SAFETY HOOK.....	1.....	AFTER JANUARY 2006
15	13363KIT	CHAIN AND LINK KIT.....	1.....	INCLUDES ITEMS W/%
16	HBC-1	BALL HITCH, 2-INCH	1.....	CONTACT UNIT SALES
17	HLC-1	LOOP HITCH.....	1.....	CONTACT UNIT SALES
18	HPC-1	PIN HITCH, 1-INCH.....	1.....	CONTACT UNIT SALES

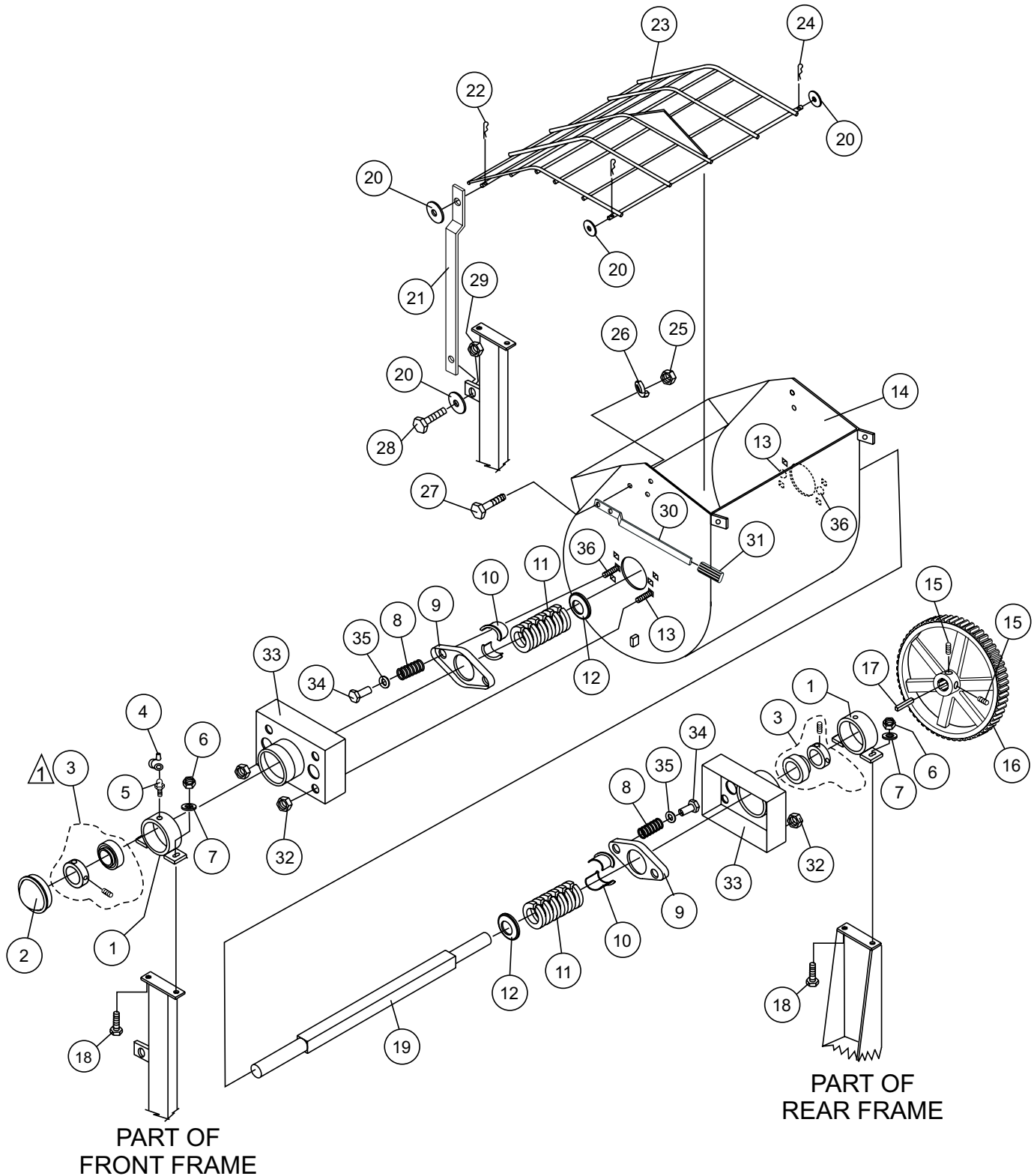
PADDLE SHAFT ASSY.



PADDLE SHAFT ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	514753	PADDLE SHAFT	1	
2	492584	NUT, LOCK 1/2"	6	
3	EM200295	PADDLE ARM, CENTER ENGINE END	1	
4	510721	BOLT, 1/2" X 6" G5	2	
5	EM200292	INSERT, PADDLE ARM	4	
6	EM200296	PADDLE ARM, ENGINE END	1	
7	504322	WASHER, FLAT 1/2"	6	
8	EM200297	U-BOLT, END PADDLES	2	
9	EM200294	PADDLE ARM, CENTER TOW END	1	
10#	492367	SCREW, HHC 5/16-18 X 1-3/4 G5	14	
11#	EM923023	WASHER, FLAT 5/16"	28	
12#	EM200212	BLADE, SIDE, RUBBER	4	
13#	EM203432	BLADE, SIDE, SCRAPER	4	
14#	2105164	NUT, HEX 5/16" NC G5	14	
15#	EM923343	WASHER, LOCK 5/15"	14	
16	EM200293	PADDLE ARM, TOW END	1	
17#	EM203433	BLADE, SCRAPER END	4	
18#	EM200213	BLADE, RUBBER END	4	
19	EM200863	KIT, WIPERS, SCRAPERS AND HDWARE.....	1.....	INCLUDES ITEMS W/#

STEEL DRUM ASSY.



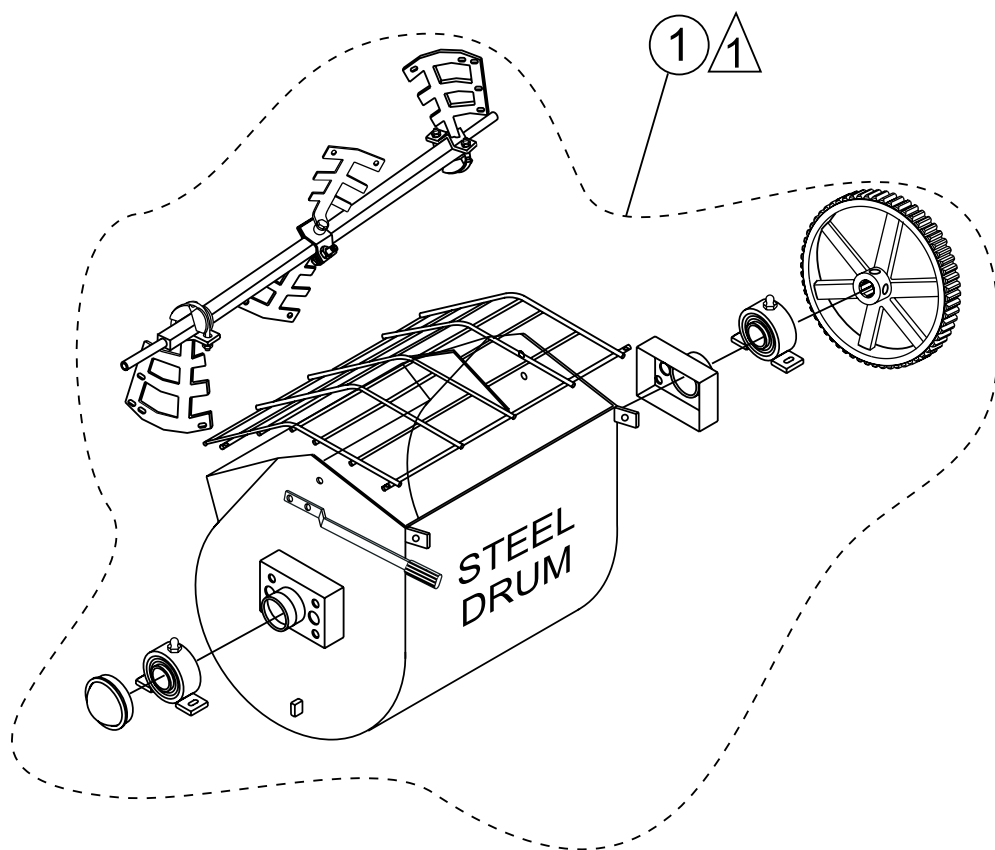
NOTES:

- 1 SET SCREWS AND BEARING COLLAR ARE INCLUDED WITH BEARING AND CANNOT BE PURCHASED SEPARATELY.

STEEL DRUM ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	530028	DRUM BEARING BRACKET	2	
2	3249	CAP, DUST	1	
3	20561-001	BEARING SEALED.....	2.....	SET SCREWS AND BEARING COLLAR CANNOT BE PURCHASED SEPARATELY
4	491008	CAP, GREASE FITTING	2	
5	EM916019	FITTING, GREASE	2	
6	EM969013	NUT, LOCK 3/8"	12	
7	3019092	WASHER, FLAT 3/8"	4	
8	507844	SPRING, COMPRESSION	4	
9	EM200288	PLATE, PACKING GLAND PRESSURE	2	
10	EM200285	GLAND, PACKING HALF	4	
11	EM200301	RING, SHAFT PACKING	12	
12	EM200303	FOLLOWER, PACKING RING	2	
13	EM966048	CARRIAGE BOLT 3/8" NC X 1-1/4"	8	
14	514761	DRUM, STEEL	1	
15	EM961019	SET SCREW	2	
16	530043	MAIN GEAR	1	
17	501016	KEY, 3/8" X 88 MM	1	
18	17985-012	CARRIAGE BOLT 3/8-16 X 1-1/2"	4	
19	514753	SHAFT, PADDLE	1	
20	492600	WASHER, FLAT 1/2"	4	
21	514945	LIFT BAR	1	
22	EM925191	PIN, COTTER	1	
23	514946	GRATE	1	
24	505070	PIN, COTTER	2	
25	492556	HEX NUT 1/2" G5	2	
26	6109180	WASHER, LOCK 1/2"	2	
27	EM963692	BOLT 1/2" UNC 1-1/2"	2	
28	EM963102	CAPSCREW, HHCS 1/2" NC X 1-1/4"	1	
29	492584	NUT, LOCK 1/2" NC	1	
30	EM201537	HANDLE DUMP	1	
31	EM98195	GRIP, DUMP HANDLE	1	
32	EM969012	NUT, STOP	8	
33	514760	DRUM HEAD	2	
34	EM200287	ADJUSTABLE NUT, 3/8"	4	
35	0401450160	WASHER, FLAT 5/8"	4	
36	EM200286	CARRIAGE BOLT 3/8" NC X 3"	4	

DRUM AND PADDLE SHAFT COMPLETE ASSY. (STEEL)

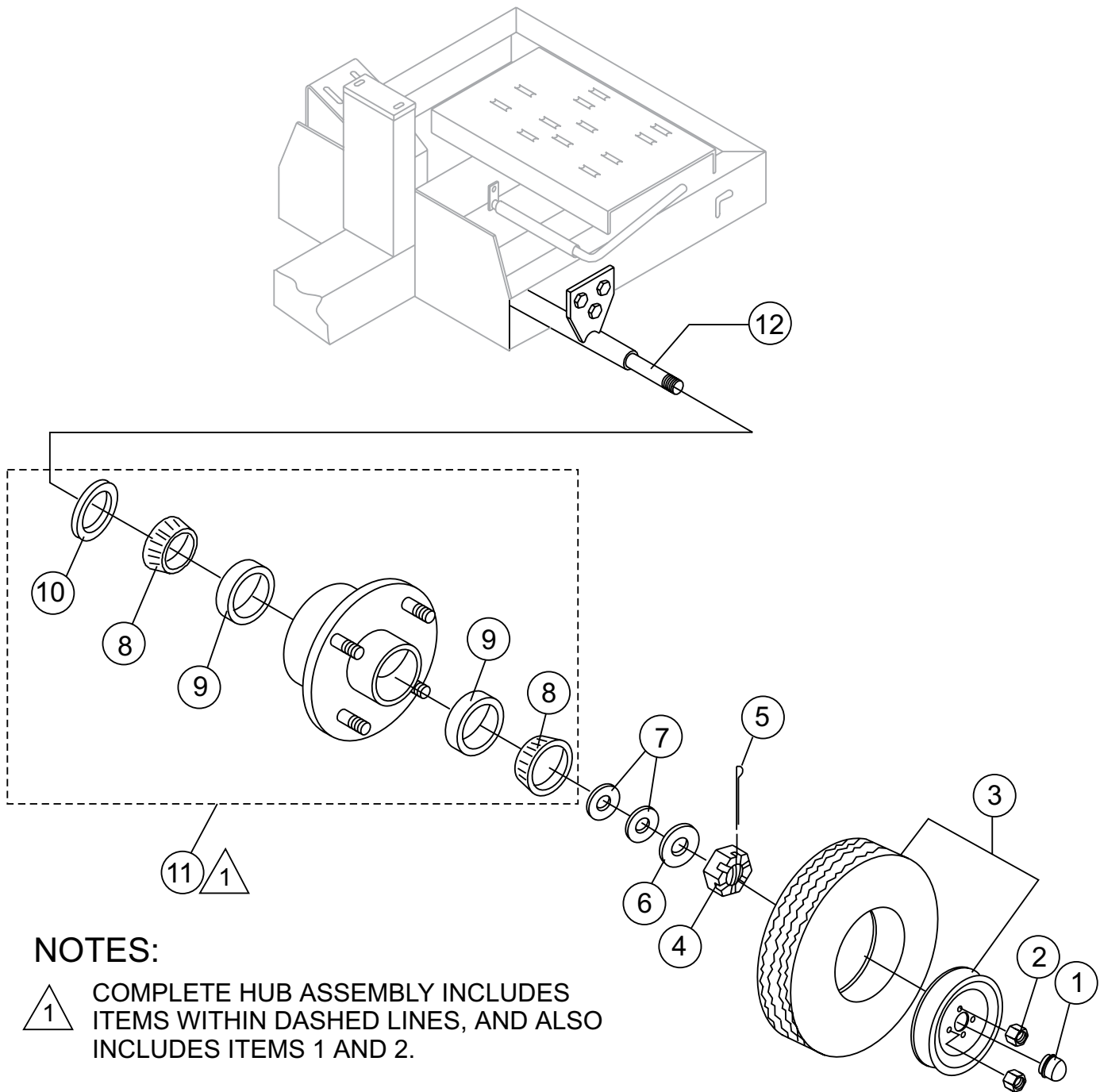


NOTES:

- 1 COMPLETE DRUM AND PADDLE
SHAFT ASSEMBLIES ARE INCLUDED
WITHIN DASHED LINES.

DRUM AND PADDLE SHAFT COMPLETE ASSY. (STEEL)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	516067	DRUM AND SHAFT COMPLETE ASSY.....	1.....	INCLUDES ITEMS LISTED BELOW
	530028	DRUM BEARING BRACKET	2	
	3249	CAP, DUST	1	
	20561-001	BEARING SEALED	2	
	491008	CAP, GREASE FITTING	2	
	EM916019	FITTING, GREASE	2	
	EM969013	NUT, LOCK 3/8"	12	
	3019092	WASHER, FLAT 3/8"	4	
	507844	SPRING, COMPRESSION	2	
	EM200288	PLATE, PACKING GLAND PRESSURE	2	
	EM200285	GLAND, PACKING HALF	2	
	EM200301	RING, SHAFT PACKING	2	
	EM200303	FOLLOWER, PACKING RING	2	
	505064	CARRIAGE BOLT, 3/8" NC X 3/4"	8	
	514761	DRUM, STEEL	1	
	EM961019	SET SCREW	2	
	530043	MAIN GEAR	1	
	501016	KEY, 3/8" X 88 MM	1	
	EM963057	CAPSCREW HHCS 3/8 X 1-1/2"	4	
	514753	SHAFT, PADDLE	1	
	492600	WASHER, FLAT 1/2"	2	
	514946	GRATE	1	
	505070	PIN COTTER	2	
	492556	HEX NUT 1/2" G5	2	
	6109180	WASHER, LOCK 1/2"	2	
	EM963692	BOLT 1/2" UNC 1-1/2"	2	
	EM963102	CAPSCREW, HHCS 1/2" NC X 1-1/4"	1	
	EM201537	HANDLE DUMP	1	
	EM98195	GRIP, DUMP HANDLE	1	
	EM969012	NUT, STOP	8	
	514760	DRUM HEAD	2	
	EM200287	ADJUSTABLE NUT, 3/8"	4	
	0401450160	WASHER, FLAT 5/8"	4	
	505065	CARRIAGE BOLT, 3/8" NC X 3"	8	
	514753	PADDLE SHAFT	1	
	492584	NUT, LOCK 1/2"	6	
	EM200295	PADDLE ARM, CENTER ENGINE END	1	
	510721	BOLT, 1/2" X 6" G5	2	
	EM200292	INSERT, PADDLE ARM	4	
	EM200296	PADDLE ARM, ENGINE END	1	
	504322	WASHER, FLAT 1/2"	6	
	EM200297	U-BOLT, END PADDLES	2	
	EM200294	PADDLE ARM, CENTER TOW END	1	
	492367	SCREW, HHC 5/16-18 X 1-3/4 G5	14	
	EM923023	WASHER, FLAT 5/16"	28	
	EM200212	BLADE, SIDE, RUBBER	4	
	EM203432	BLADE, SIDE, SCRAPER	4	
	2105164	NUT, HEX 5/16" NC G5	14	
	EM923343	WASHER, LOCK 5/15"	14	
	EM200293	PADDLE ARM, TOW END	1	
	EM203433	BLADE, SCRAPER END	4	
	EM200213	BLADE, RUBBER END	4	



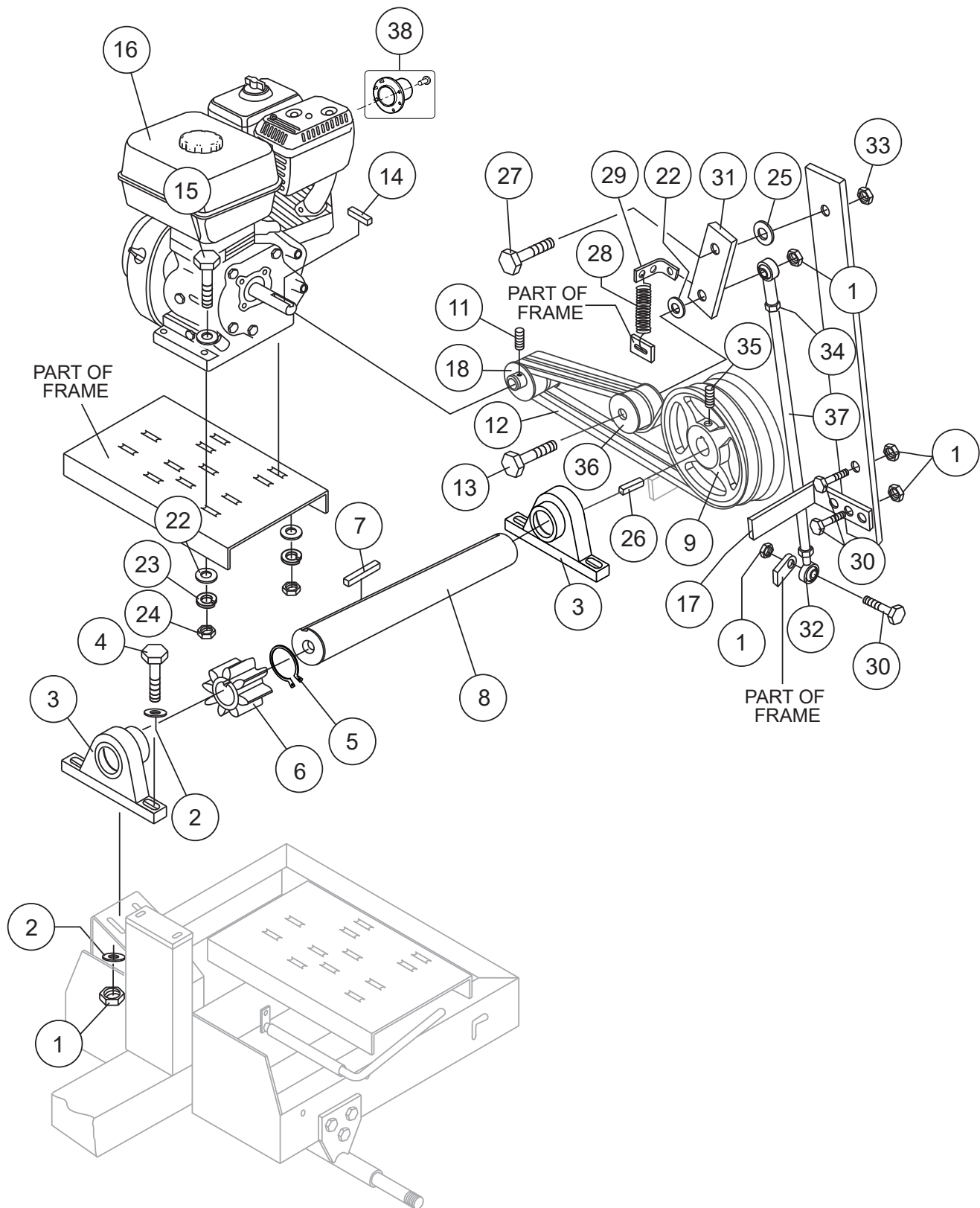
NOTES:



COMPLETE HUB ASSEMBLY INCLUDES ITEMS WITHIN DASHED LINES, AND ALSO INCLUDES ITEMS 1 AND 2.

AXLE ASSY.

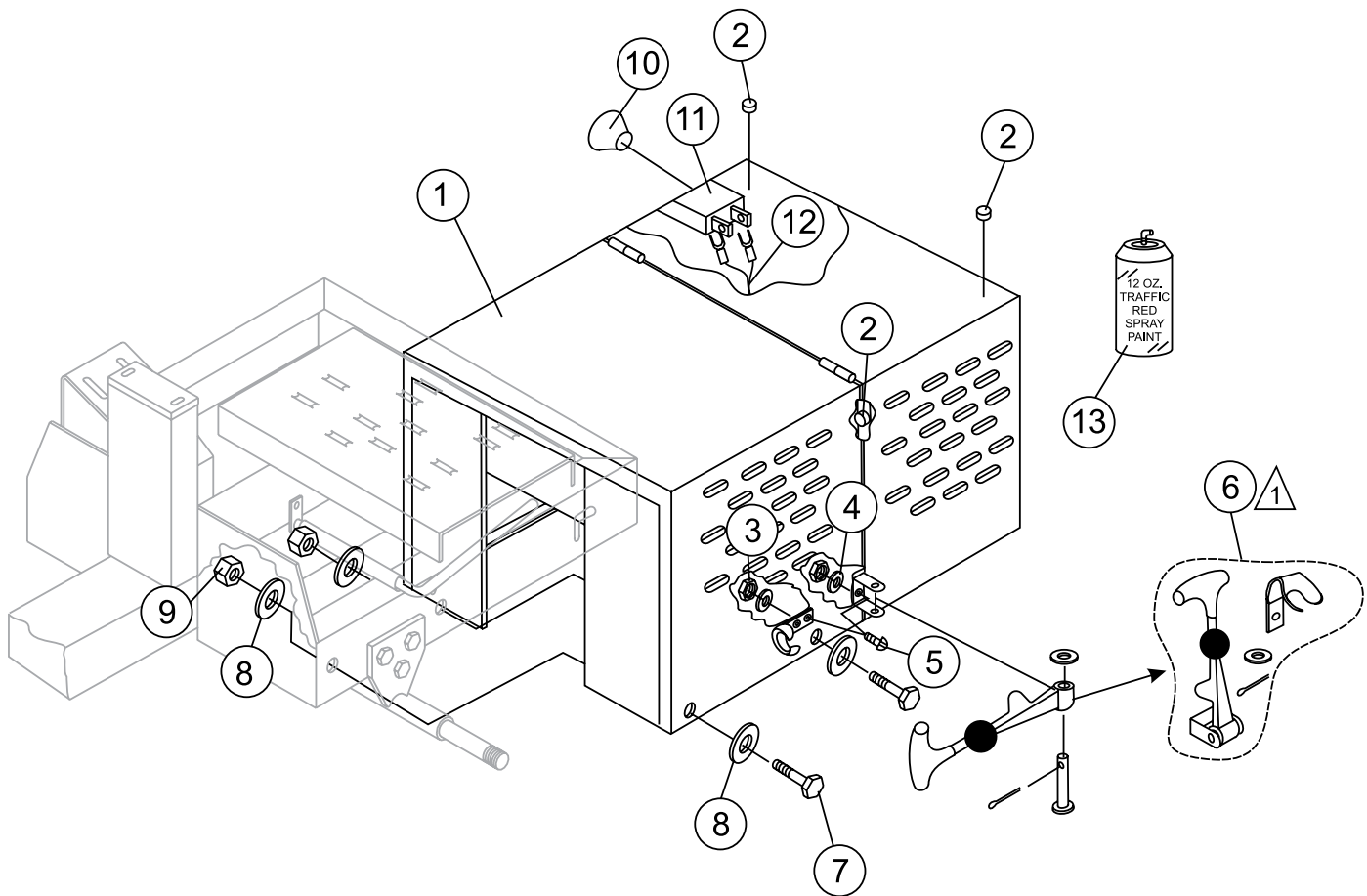
<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1#	3469	DUST CAP	2	
2#	8115	LUG NUTS	8	
3	3005	TIRE AND RIM, CARLISE	2.....	BEFORE JANUARY 2006
3	516476	TIRE AND RIM, TOWMASTER II.....	2.....	AFTER JANUARY 2006
4	8164	ARMLE NUT 1"	2	
5	491688	COTTER PIN, 1/8" X 1-1/2'	2	
6	EM511159	WASHER, FLAT, .087" THICKNESS	2	
7	EM501299	WASHER, FLAT, .135" THICKNESS	1	
8#	EM903113	BEARING, CONE, AXLE	4	
9#	EM903012	BEARING, CUP, AXLE	4	
10#	EM914288	OIL SEAL	2	
11	EM941306	HUB ASSY., 4-BOLT	2.....	INCLUDES ITEMS W/#
12	514802	AXLE, UNIVERSAL	1#	



ENGINE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	EM969013	NUT, 3/8" NC G5.....	8.....	REPLACES P/N 492583
2	506488	FLAT, WASHER 3/8"	8	
3	EM905016	PILLOW BLOCK BEARING	2	
4	492378	BOLT, 3/8" NC X 1-3/4" G5	4	
5	490957	RING, RETENTION	1	
6	513868	PINION GEAR	1	
7	500214	KEY, 1/4" X 30 MM	1	
8	EM502226	PINION SHAFT	1.....	REPLACES P/N 502226
9	492057	PULLEY (LARGE)	1	
10	505084	KEY, 1/4" X 55 MM	1	
11	492467	SET SCREW, 5/16" NC 3/8"	4	
12	EM505834	V-BELT, A36	2.....	REPLACES P/N 505834
13	503117	BOLT, 3/8" NC X 3" G5	1	
14	90745ZE2600	SQ. KEY 6.3 X 6.3 X 43 MM	1	
15	492378	BOLT 5/16" NC X 1-3/4" G5	4	
16	522366	ENGINE, MPOWER 9.0 HP W/ GEAR	1	
17	515040	BELT RETAINER BAR	1	
18	EM901074	PULLEY (SMALL)	1	
22	492598	WASHER, FLAT 3/8"	6	
23	0166 A	WASHER, LOCK 3/8"	4.....	REPLACES P/N 492624
24	1456	NUT, HEX 3/8"	4.....	REPLACES P/N 492554
25	6109170	WASHER, FLAT 1/2"	1.....	REPLACES P/N 492600
26	505084	SQ. KEY, 1/4" X 55 MM	1	
27	EM963692	BOLT, 1/2" NC X 1-1/2" G5	1.....	REPLACES P/N 492394
28	EM102014	SPRING, EXTENSION	1	
29	EM203098	SPRING CLIP	1	
30	EM963057	BOLT, 3/8" NC X 1-1/2" G5	3.....	REPLACES P/N 492313
31	EM507491	ARM, IDLER	1	
32	EM959080	ROD-END	2	
33	492584	NUT, HEX 1/2"	1	
34	EM492574	NUT, HEX 3/8" NF G5.....	2.....	REPLACES P/N 492574
35	492468	SET SCREW, 5/16" NC 3/4"	1.....	REPLACES P/N 492476
36	EM901515	PULLEY, IDLER	1	
37	515045	ROD	1	
38	522377	EXHAUST PIPE	1	

CABINET ASSY.



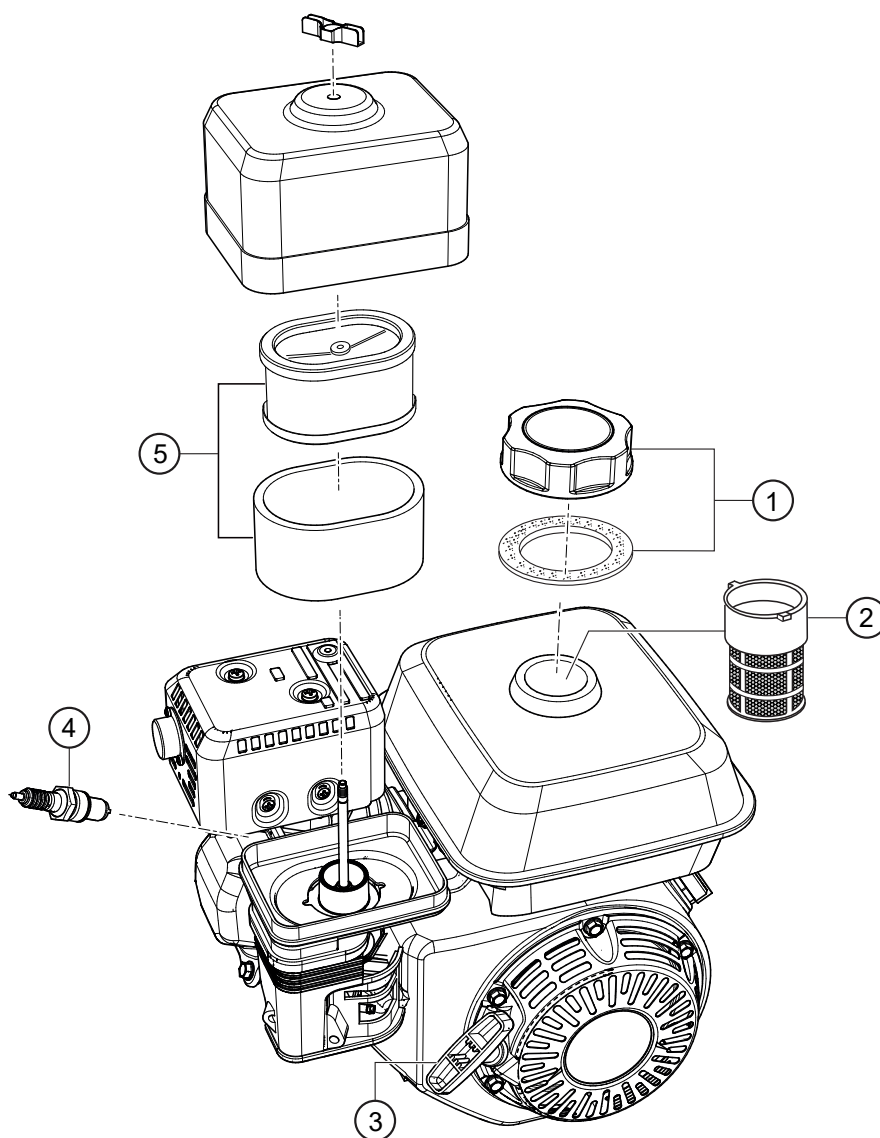
NOTES:



COMPLETE LATCH ASSEMBLY
INCLUDES ITEMS WITHIN DASHED
LINES. ITEMS CANNOT BE PURCHASED
SEPARATELY.

CABINET ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	514948	CABINET, GASOLINE ENGINE W/DECALS	1	INCLUDES ITEMS W/%
2	490202	RUBBER PROTECTOR	4	
3	13287	LOCK NUT 8-32.....	6	REPLACEMENT PART ONLY
4	2203	WASHER, FLAT #10.....	6	REPLACEMENT PART ONLY
5	1307	SCREW RHMS 8-32 X 1/2"	6	REPLACEMENT PART ONLY
6%	491010	LATCH ASSY., COMPLETE	2	
7	492375	BOLT, 3/8" NC X 1" G5	4	
8	492598	WASHER, FLAT 3/8"	4	
9	492583	NUT, 3/8" NC G5	4	
10	29174-001	KNOB, MUSHROOM	1	
11	29173-001	SWITCH, PUSH-PULL	1	
12	504135C	WIRE HARNESS	1	
13	EM974007	PAINT, SPRAY 12 OZ. TRAFFIC RED	1	



ENGINE SERVICE PARTS

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	16400-A0710-0008	CAP WITH GASKET, FUEL TANK	1	
2	16610-A0710-0008	FUEL FILTER CUP	1	
3	23230-A0712-0001	PULL HANDLE ASSY.	1	
4	27100-A0710-0001	SPARK PLUG, BPR6ES, NGK	1	
5	17124-A1010-0001	ELEMENT, AIR FILTER	1	

PARTS MANUAL

HERE'S HOW TO GET HELP

PLEASE HAVE THE MODEL AND SERIAL
NUMBER ON-HAND WHEN CALLING

UNITED STATES

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6141 Katella Avenue Suite 200
Cypress, CA 90630
E-MAIL: mq@multiquip.com
WEBSITE: www.multiquip.com

CANADA

Multiquip

(450) 625-2244
4110 Industriel Boul.
Laval, Quebec, Canada H7L 6V3
E-MAIL: infocanada@multiquip.com

UNITED KINGDOM

Multiquip (UK) Limited Head Office

0161 339 2223
Unit 2, Northpoint Industrial Estate,
Globe Lane,
Dukinfield, Cheshire SK16 4UJ
E-MAIL: sales@multiquip.co.uk

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