# **PARTS MANUAL**



# ESSICK SERIES MODELS PRO12/PRO12E51 PRO12E53/PRO12E53-460V HYDRAULIC PLASTER/MORTAR MIXERS (HONDA GX390RT2-QNB2 GASOLINE ENGINE/ TECO WESTINGHOUSE 5HP ELECTRIC MOTOR)

Revision #4 (10/30/19)



THIS MANUAL MUST ACCOMPANY THE EQUIPMENT AT ALL TIMES.

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# **PRO12 Hydraulic Mixer**

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#### NOTICE

Specifications and part numbers are subject to change without notice.

#### **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

<u>NO.</u>	<u>PART NO.</u>	PART NAME	<u>QTY.</u>	<u>REMARKS</u>
1	12345	BOLT	1	INCLUDES ITEMS W/%
2%		WASHER, 1/4 IN	l	NOT SOLD SEPARATELY
2%	12347	WASHER, 3/8 IN	l1	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.

#### PRO12 HYDRAULIC MIXER WITH HONDA GX390RT2-QNB2 ENGINE

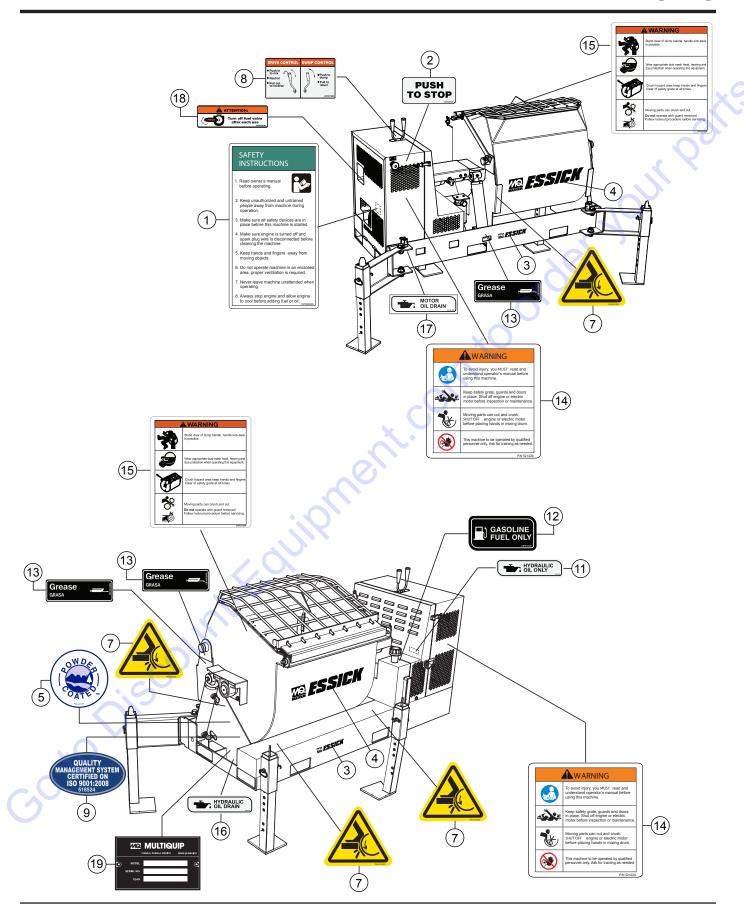
#### 1 to 3 units

1 to 3 u	nits	
Qty. 1	P/N .521426	DescriptionKIT, RUBBER BLADES, SCRAPERS & HWDSEAL, PADDLE SHAFTSEPARATOR, PADDLE SHAFT SEALSCOVER, SEALSWITCH, IGN., W/KEYSKEYSET, IGNITIONSWITCH, PUSH-PULL, W/O KNOBKNOB-MUSHROOMLATCH KIT, ENGINE HOUSINGCAP, FILLER/BREATHERELEMENT, A/C DUALSPARK PLUG BPR6ESFILTER, FUEL, IN-LINEELEMENT, OIL, HYDRAULIC
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#### **NOTICE**

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

# NAMEPLATE AND DECALS

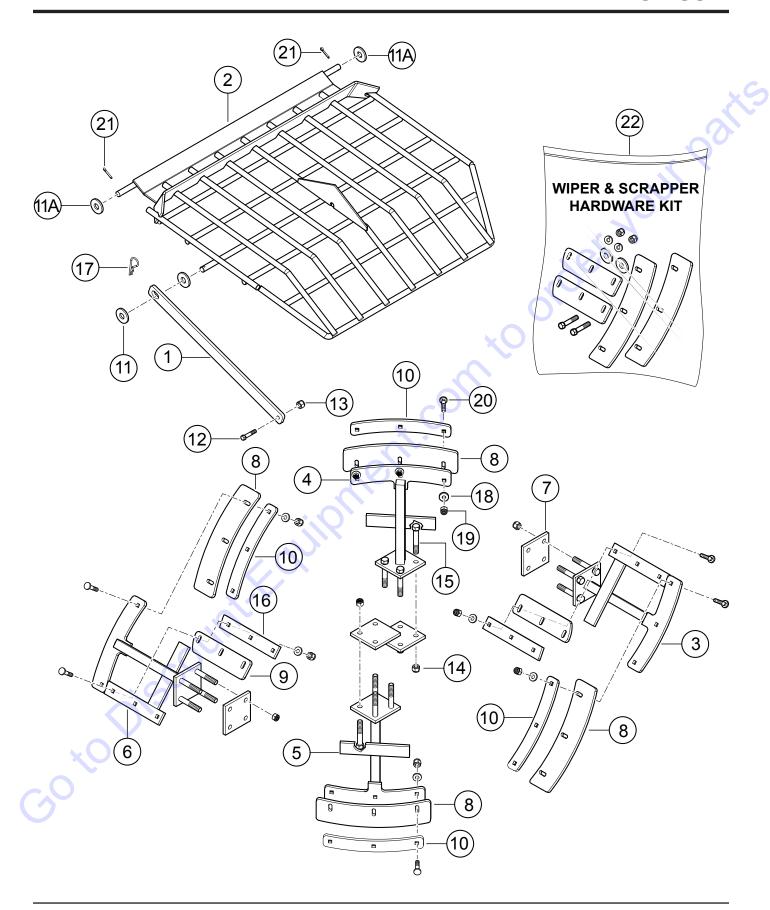


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#### NAMEPLATE AND DECALS

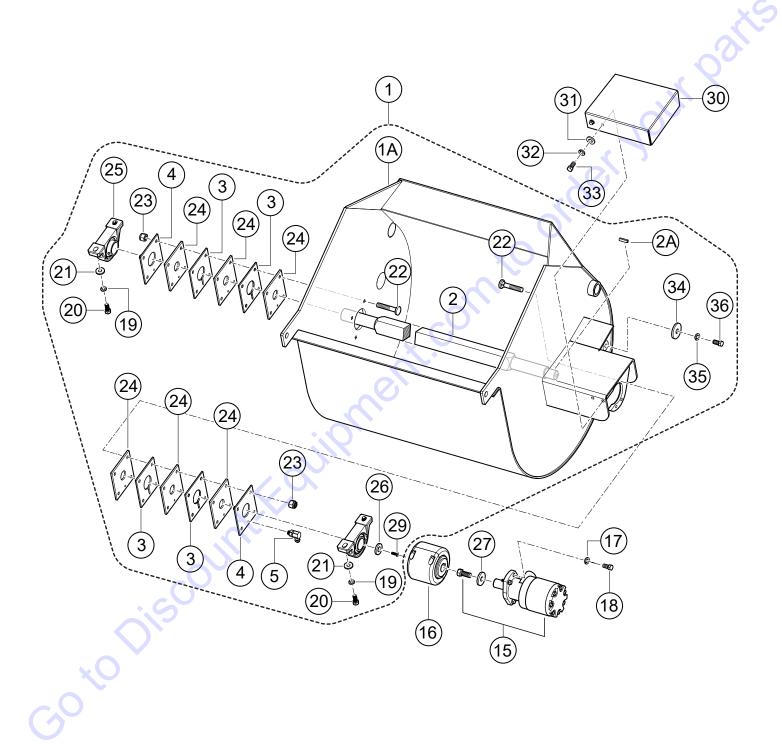
1	PART NO. 520935	PART NAME DECAL, SAFETY INSTRUCTIONS	<b>QTY.</b>	REMARKS
2	EM948630 EM510891	DECAL, PUSH TO STOP DECAL, MQ ESSICK MEDIUM	1 2	
4 5	EM510883 13118	DECAL, MQ ESSICK LARGE DECAL, POWDER COATED	2	
7	521303	DECAL, PINCH POINT	5`	.00
8 9	521293 518524	DECAL, DRIVE/DUMP CONTROL 1 DECAL, ISO 9001:2000 EXPORT	1 1	16
11 12	EM985 511727	DECAL, HYDRAULIC OIL ONLY DECAL, GASOLINE FUEL ONLY	1	100
13	491999	DECAL, GREASE	8	
14 15	521229 521230	DECAL, WARNING 4 POINTS DECAL, PREVENT ACCIDENTS	2 2	201
16 17	521291 521292	DECAL, HYDRAULIC OIL DRAIN DECAL, MOTOR OIL DRAIN	1	(0)
18	803236	DECAL, TURN OFF FUEL VALVE	2	O V
19		PLATE, SERIAL NUMBER	1CC	NTACT DISCOUNT-EQUIPM
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# **PADDLE BLADES ASSY.**



#### PADDLE BLADES ASSY.

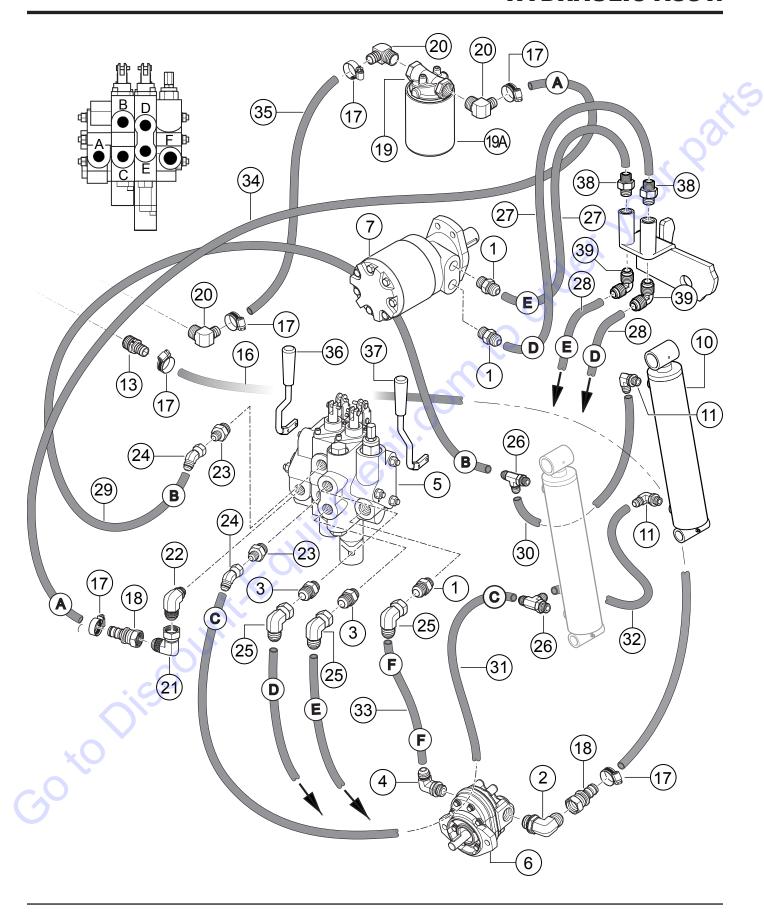
2 802385 GRATE 1 3 802452 PADDLE ARM, END 1 4 802453 PADDLE ARM, CENTER 1 5 802454 PADDLE ARM, CENTER ENGINE END 1 6 802455 PADDLE ARM, ENGINE END 1 7 802443 RETAINER BASE, PADDLE ARM 4 8\$ 802447 RUBBER BLADE, SIDE 4 9\$ 802448 RUBBER BLADE END 2 10\$ 802451 STEEL BLADE, SIDE 4 111 0401450160 WASHER FLAT 5/8" 4 11A 507444 SPACER 2 12 492378 BOLT, HHCS, GRD5 1 13 EM969013 NUT, 3/8" NYLOK GRD88 1 14 492584 NUT LOCK 1/2" DIA NC GRD5 16 16\$ 802449 STEEL BLADE, END 2 17 EM745 HAIR PIN C 5/8-3/4" 1 18\$ 3019092 WASHER, FLAT 3/8" 18 19\$ EM969013 NUT, 3/8" NYLOC G8 18 20\$ 505883 SCREW, 3/8-NC X 2" GRD5 18 21 EM924015 PIN COTTER 2 2 521426 KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$	2       802385       GRATE       1         3       802452       PADDLE ARM, END       1         4       802453       PADDLE ARM, CENTER       1         5       802454       PADDLE ARM, CENTER ENGINE END       1         6       802455       PADDLE ARM, ENGINE END       1         7       802443       RETAINER BASE, PADDLE ARM       4         8\$       802447       RUBBER BLADE, SIDE       4         9\$       802448       RUBBER BLADE END       2         10\$       802451       STEEL BLADE, SIDE       4         11       0401450160       WASHER FLAT 5/8"       4         11A       507444       SPACER       2         12       492378       BOLT, HHCS, GRD5       1         13       EM969013       NUT, 3/8" .NYLOK GRD88       1         14       492584       NUT LOCK 1/2" DIA NC GRD5       16         15       3215       SCREW HHC 1/2-13 X 3-1/2" GRD5       16         16\$       802449       STEEL BLADE, END       2         17       EM745       HAIR PIN C 5/8-3/4"       1         18\$       3019092       WASHER, FLAT 3/8"       18         19\$       EM9		ART NO.	PART NAME BAR, GRATE LATCH	<u>QTY.</u>	REMARKS
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10\$       802451       STEEL BLADE, SIDE       4         11       0401450160       WASHER FLAT 5/8"       4         11A       507444       SPACER       2         12       492378       BOLT, HHCS, GRD5       1         13       EM969013       NUT, 3/8" .NYLOK GRD88       1         14       492584       NUT LOCK 1/2" DIA NC GRD5       16         15       3215       SCREW HHC 1/2-13 X 3-1/2" GRD5       16         16\$       802449       STEEL BLADE, END       2         17       EM745       HAIR PIN C 5/8-3/4"       1         18\$       3019092       WASHER, FLAT 3/8"       18         19\$       EM969013       NUT, 3/8" NYLOC G8       18         20\$       505883       SCREW, 3/8-NC X 2" GRD5       18         21       EM924015       PIN COTTER       2         22       521426       KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$	10\$       802451       STEEL BLADE, SIDE       4         11       0401450160       WASHER FLAT 5/8"       4         11A       507444       SPACER       2         12       492378       BOLT, HHCS, GRD5       1         13       EM969013       NUT, 3/8" .NYLOK GRD88       1         14       492584       NUT LOCK 1/2" DIA NC GRD5       16         15       3215       SCREW HHC 1/2-13 X 3-1/2" GRD5       16         16\$       802449       STEEL BLADE, END       2         17       EM745       HAIR PIN C 5/8-3/4"       1         18\$       3019092       WASHER, FLAT 3/8"       18         19\$       EM969013       NUT, 3/8" NYLOC G8       18         20\$       505883       SCREW, 3/8-NC X 2" GRD5       18         21       EM924015       PIN COTTER       2         22       521426       KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$			·	2	
11       0401450160       WASHER FLAT 5/8"       4         11A       5074444       SPACER       2         12       492378       BOLT, HHCS, GRD5       1         13       EM969013       NUT, 3/8" .NYLOK GRD88       1         14       492584       NUT LOCK 1/2" DIA NC GRD5       16         15       3215       SCREW HHC 1/2-13 X 3-1/2" GRD5       16         16\$       802449       STEEL BLADE, END       2         17       EM745       HAIR PIN C 5/8-3/4"       1         18\$       3019092       WASHER, FLAT 3/8"       18         19\$       EM969013       NUT, 3/8" NYLOC G8       18         20\$       505883       SCREW, 3/8-NC X 2" GRD5       18         21       EM924015       PIN COTTER       2         22       521426       KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$	11       0401450160       WASHER FLAT 5/8"       4         11A       5074444       SPACER       2         12       492378       BOLT, HHCS, GRD5       1         13       EM969013       NUT, 3/8" .NYLOK GRD88       1         14       492584       NUT LOCK 1/2" DIA NC GRD5       16         15       3215       SCREW HHC 1/2-13 X 3-1/2" GRD5       16         16\$       802449       STEEL BLADE, END       2         17       EM745       HAIR PIN C 5/8-3/4"       1         18\$       3019092       WASHER, FLAT 3/8"       18         19\$       EM969013       NUT, 3/8" NYLOC G8       18         20\$       505883       SCREW, 3/8-NC X 2" GRD5       18         21       EM924015       PIN COTTER       2         22       521426       KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$					10
12       492378       BOLT, HHCS, GRD5       1         13       EM969013       NUT, 3/8" .NYLOK GRD88       1         14       492584       NUT LOCK 1/2" DIA NC GRD5       16         15       3215       SCREW HHC 1/2-13 X 3-1/2" GRD5       16         16\$       802449       STEEL BLADE, END       2         17       EM745       HAIR PIN C 5/8-3/4"       1         18\$       3019092       WASHER, FLAT 3/8"       18         19\$       EM969013       NUT, 3/8" NYLOC G8       18         20\$       505883       SCREW, 3/8-NC X 2" GRD5       18         21       EM924015       PIN COTTER       2         22       521426       KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$	12       492378       BOLT, HHCS, GRD5       1         13       EM969013       NUT, 3/8" .NYLOK GRD88       1         14       492584       NUT LOCK 1/2" DIA NC GRD5       16         15       3215       SCREW HHC 1/2-13 X 3-1/2" GRD5       16         16\$       802449       STEEL BLADE, END       2         17       EM745       HAIR PIN C 5/8-3/4"       1         18\$       3019092       WASHER, FLAT 3/8"       18         19\$       EM969013       NUT, 3/8" NYLOC G8       18         20\$       505883       SCREW, 3/8-NC X 2" GRD5       18         21       EM924015       PIN COTTER       2         22       521426       KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$			·	4	
13       EM969013       NUT, 3/8" .NYLOK GRD88       1         14       492584       NUT LOCK 1/2" DIA NC GRD5       16         15       3215       SCREW HHC 1/2-13 X 3-1/2" GRD5       16         16\$       802449       STEEL BLADE, END       2         17       EM745       HAIR PIN C 5/8-3/4"       1         18\$       3019092       WASHER, FLAT 3/8"       18         19\$       EM969013       NUT, 3/8" NYLOC G8       18         20\$       505883       SCREW, 3/8-NC X 2" GRD5       18         21       EM924015       PIN COTTER       2         22       521426       KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$	13       EM969013       NUT, 3/8" .NYLOK GRD88       1         14       492584       NUT LOCK 1/2" DIA NC GRD5       16         15       3215       SCREW HHC 1/2-13 X 3-1/2" GRD5       16         16\$       802449       STEEL BLADE, END       2         17       EM745       HAIR PIN C 5/8-3/4"       1         18\$       3019092       WASHER, FLAT 3/8"       18         19\$       EM969013       NUT, 3/8" NYLOC G8       18         20\$       505883       SCREW, 3/8-NC X 2" GRD5       18         21       EM924015       PIN COTTER       2         22       521426       KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$	11A 50	7444	SPACER	2	<b>3</b>
14       492584       NUT LOCK 1/2" DIA NC GRD5       16         15       3215       SCREW HHC 1/2-13 X 3-1/2" GRD5       16         16\$       802449       STEEL BLADE, END       2         17       EM745       HAIR PIN C 5/8-3/4"       1         18\$       3019092       WASHER, FLAT 3/8"       18         19\$       EM969013       NUT, 3/8" NYLOC G8       18         20\$       505883       SCREW, 3/8-NC X 2" GRD5       18         21       EM924015       PIN COTTER       2         22       521426       KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$	14       492584       NUT LOCK 1/2" DIA NC GRD5       16         15       3215       SCREW HHC 1/2-13 X 3-1/2" GRD5       16         16\$       802449       STEEL BLADE, END       2         17       EM745       HAIR PIN C 5/8-3/4"       1         18\$       3019092       WASHER, FLAT 3/8"       18         19\$       EM969013       NUT, 3/8" NYLOC G8       18         20\$       505883       SCREW, 3/8-NC X 2" GRD5       18         21       EM924015       PIN COTTER       2         22       521426       KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$	12 49	2378	BOLT, HHCS, GRD5	1	70,
15 3215 SCREW HHC 1/2-13 X 3-1/2" GRD5 16 16\$ 802449 STEEL BLADE, END 2 17 EM745 HAIR PIN C 5/8-3/4" 1 18\$ 3019092 WASHER, FLAT 3/8" 18 19\$ EM969013 NUT, 3/8" NYLOC G8 18 20\$ 505883 SCREW, 3/8-NC X 2" GRD5 18 21 EM924015 PIN COTTER 2 22 521426 KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$	15 3215 SCREW HHC 1/2-13 X 3-1/2" GRD5 16 16\$ 802449 STEEL BLADE, END 2 17 EM745 HAIR PIN C 5/8-3/4" 1 18\$ 3019092 WASHER, FLAT 3/8" 18 19\$ EM969013 NUT, 3/8" NYLOC G8 18 20\$ 505883 SCREW, 3/8-NC X 2" GRD5 18 21 EM924015 PIN COTTER 2 22 521426 KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$	13 EN	M969013	NUT, 3/8" .NYLOK GRD88	1	
16\$       802449       STEEL BLADE, END       2         17       EM745       HAIR PIN C 5/8-3/4"       1         18\$       3019092       WASHER, FLAT 3/8"       18         19\$       EM969013       NUT, 3/8" NYLOC G8       18         20\$       505883       SCREW, 3/8-NC X 2" GRD5       18         21       EM924015       PIN COTTER       2         22       521426       KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$	16\$       802449       STEEL BLADE, END       2         17       EM745       HAIR PIN C 5/8-3/4"       1         18\$       3019092       WASHER, FLAT 3/8"       18         19\$       EM969013       NUT, 3/8" NYLOC G8       18         20\$       505883       SCREW, 3/8-NC X 2" GRD5       18         21       EM924015       PIN COTTER       2         22       521426       KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$	14 49	2584	NUT LOCK 1/2" DIA NC GRD5	16	
17 EM745 HAIR PIN C 5/8-3/4" 1 18\$ 3019092 WASHER, FLAT 3/8" 18 19\$ EM969013 NUT, 3/8" NYLOC G8 18 20\$ 505883 SCREW, 3/8-NC X 2" GRD5 18 21 EM924015 PIN COTTER 2 22 521426 KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$	17 EM745 HAIR PIN C 5/8-3/4" 1 18\$ 3019092 WASHER, FLAT 3/8" 18 19\$ EM969013 NUT, 3/8" NYLOC G8 18 20\$ 505883 SCREW, 3/8-NC X 2" GRD5 18 21 EM924015 PIN COTTER 2 22 521426 KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$	15 32	215	SCREW HHC 1/2-13 X 3-1/2" GRD5	16	)
18\$ 3019092 WASHER, FLAT 3/8" 18 19\$ EM969013 NUT, 3/8" NYLOC G8 18 20\$ 505883 SCREW, 3/8-NC X 2" GRD5 18 21 EM924015 PIN COTTER 2 22 521426 KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$	18\$ 3019092 WASHER, FLAT 3/8" 18 19\$ EM969013 NUT, 3/8" NYLOC G8 18 20\$ 505883 SCREW, 3/8-NC X 2" GRD5 18 21 EM924015 PIN COTTER 2 22 521426 KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$	16\$ 80	2449	STEEL BLADE, END	2	
19\$ EM969013 NUT, 3/8" NYLOC G8 18 20\$ 505883 SCREW, 3/8-NC X 2" GRD5 18 21 EM924015 PIN COTTER 2 22 521426 KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$	19\$ EM969013 NUT, 3/8" NYLOC G8 18 20\$ 505883 SCREW, 3/8-NC X 2" GRD5 18 21 EM924015 PIN COTTER 2 22 521426 KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$				1	
20\$ 505883 SCREW, 3/8-NC X 2" GRD5 18 21 EM924015 PIN COTTER 2 22 521426 KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$	20\$ 505883 SCREW, 3/8-NC X 2" GRD5 18 21 EM924015 PIN COTTER 2 22 521426 KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$					
21 EM924015 PIN COTTER 2 22 521426 KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$	21 EM924015 PIN COTTER 2 22 521426 KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$			·		
22 521426 KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$	22 521426 KIT, RUBBER BLADES, SCRAPPERS, HWD1INCLUDES ITEMS W/\$					
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Ois Countilland	o to Discountification of the second of the	22 52	21426	KII, RUBBER BLADES, SCRAPPERS, F	1WD1	INCLUDES ITEMS W/\$
			jisco!			



#### **DRUM ASSY.**

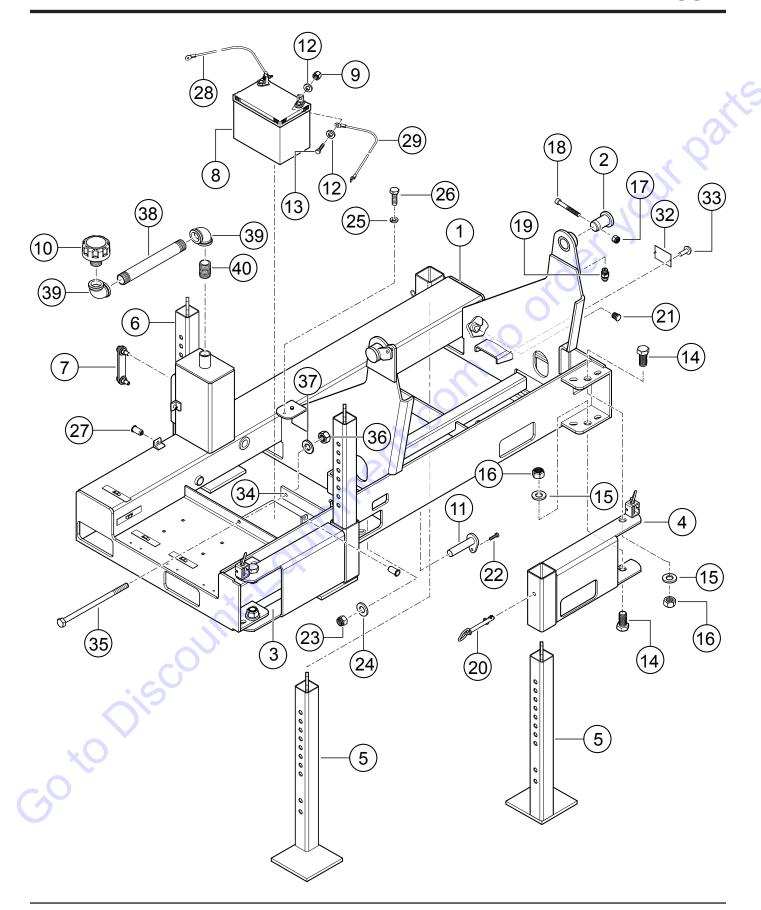
<u>NO.</u> 1	<u>PART NO.</u> 521958	PART NAME DRUM AND SHAFT ASSY	<u>QTY.</u> 1	REMARKS INCLUDES ITEMS W/@
1A@	802320	DRUM, BARE	1	
2@	802361	PADDLE SHAFT	1	
2A@ 3@	502727 802367	WEDGE SEPARATOR	1	
3@ 4@	802368	COVER, SEAL	2	~
5@	491704	FITTING ZERK	2 2	Q
15	34570	MOTOR, HYDRAULIC W/BOLT	1	
16	802414	COUPLER	1	
17 18	0166 A EM963610	WASHER, LOCK 3/8" BOLT, 3/8-NC X 1-1/4" GRD5	4 4	10
19@	6109180	WASHER, LOCK 1/2"	4	
20@	EM963102	CAPSCREW, HHC 1/2-NC X 1-1/4" GRD5	4	76,
21@	492599	WASHER, FLAT 1/2"	4	40
22@	505883	BOLT, 3/8-NC X 2" GRD5	8	$O_{I}$
23@ 24@	EM969013 802366	NUT, NYLOC SEAL, PADDLE SHAFT	8	
25@	802415	BEARING	6 2	
26@	802667	WASHER, 5/16"	$\overline{1}$	
27	802912	WASHER, 5/8"	1	
29@	506176	BOLT, 5/16-18 X 1" FHAS	1	
30 31	802945 509161	COVER WASHER, FLAT 5/16"	1 <u>1</u>	
32	EM923343	WASHER, LOCK 5/16"	4	
33	492362	BOLT, 5/16-NC X 5/8"	4	
34@	530183	WASHER, FLAT 1/2"	2	
35@ 36@	6109180 EM963692	WASHER, LOCK 1/2" CAPSCREW, HHCS 1/2-13 X 1-1/2"	2 2	
30 @	LIVI303032	OAF 30NEW, 11103 1/2-13 X 1-1/2	۷	
	<u>~</u> (			
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# **HYDRAULIC ASSY.**



# **HYDRAULIC ASSY.**

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	3365	FITTING, STR.	3	
2	EM25459	ELBOW, 3/4"-90°	1	
3	16587	FITTING, STR	2	
4	3322	FITTING, 90°	1	X
5	34585	VALVE, FOUR WAY	1	
6	13374	PUMP, EATON W/BOLT	1	
7	34570	MOTOR, HYDRAULIC	1	
10	802280	CYLINDER, HYD.	2	
11	506196	ELBOW	2	
13	13220	FITTING, STR 12BARB-3/4MP	1	10
16	13380	HOSE, 3/4ID X 18-1/2" SAE100R4	1	
17	506207	CLAMP HOSE HS-16	6	
18	511847	FITTING	2	\@\`
19	8051	FILTER ASSY., HYD OIL	1	INCLUDES ITEM W/\$
19A\$	508667	ELEMENT, HYD. OIL	1	
20	3367	FITTING, 90°	3	
21	509353	ADAPTER, ELBOW	.1	
22	515219	FITTING, VALVE	1	
23	512190	ADAPTER, STRAIGHT	2	
24	512234	ADAPTER, ELBOW	2	
25	512201	ADAPTER, ELBOW	3	
26	802938	ADAPTER	2	
27	803352	HOSE, 850MM	2 2	
28	803353	HOSE, 1000MM	2	
29	803001	HOSE, 1440MM	1	
30	803002	HOSE, 1585MM	1	
31	803003	HOSE, 1270MM	1	
32	803004	HOSE, 980MM	1	
33	803005	HOSE, 656MM	1	
34	803006	HOSE, 1100MM	1	
35	803007	HOSE, 130MM	1	
36	803048	HANDLE, VALVE, LEFT	1	
37	803049	HANDLE, VALVE, RIGHT	1	
38	516675	ADAPTER, STR.	2	
39	509784	ADAPTER, ELBOW 90°	2	

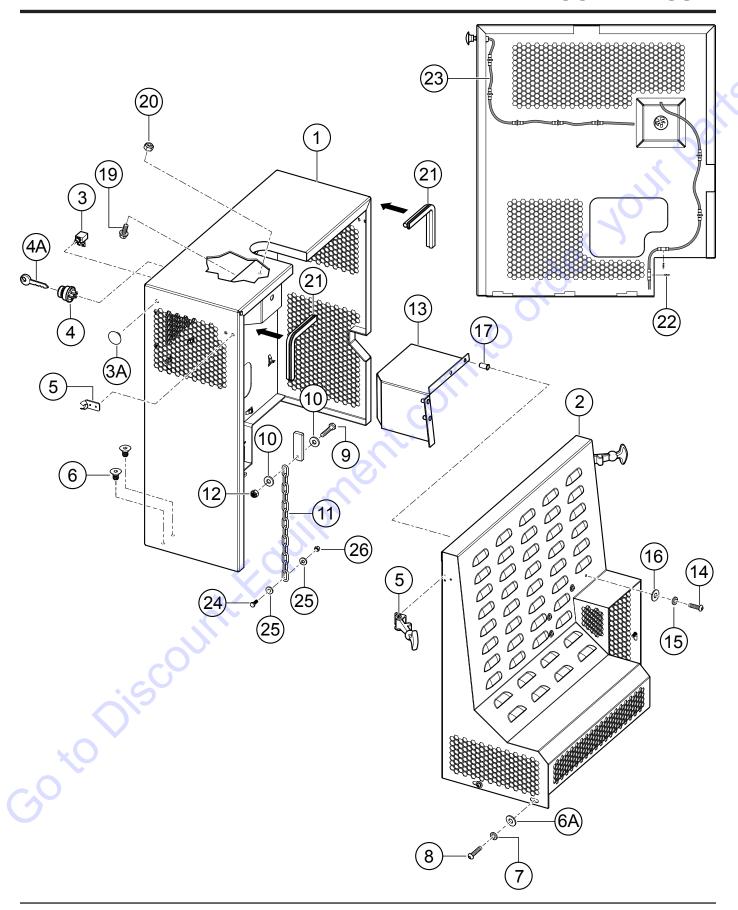


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# FRAME ASSY.

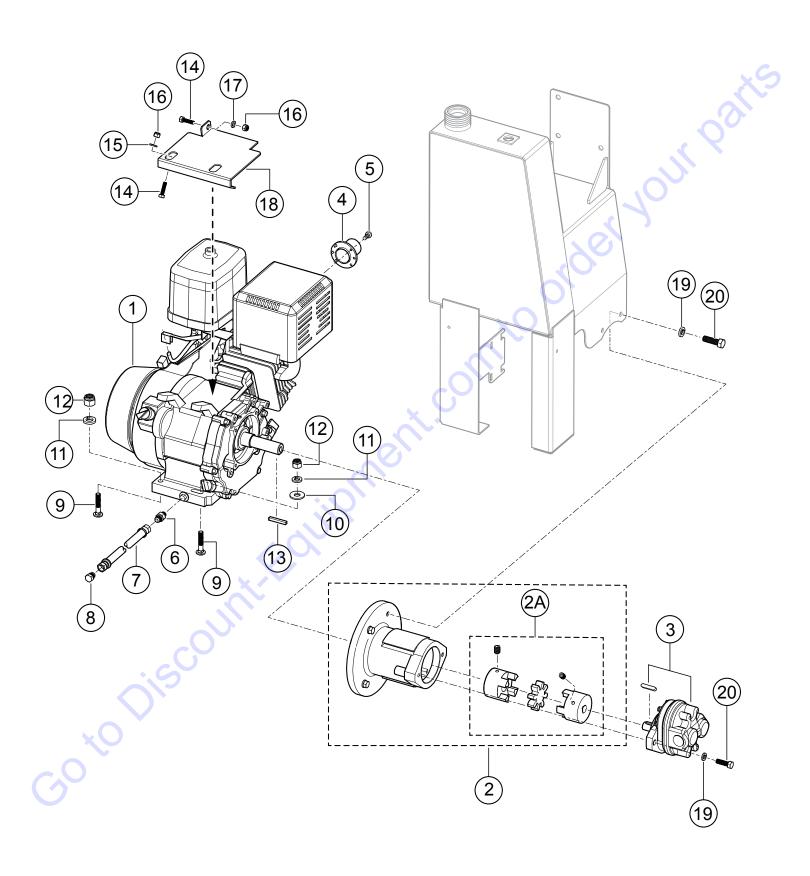
NO.	PART NO.	PART NAME	QTY.	REMARKS
1	802300	FRAME	1	TEMPATIO
2	802362	CAP	2	
3	802331	LEG, LEFT	1	
4	802333	LEG, RIGHT	1	×C
5	802335	STAND, ADJUSTABLE	2	
6	802336	STAND, ADJUSTABLE	2	
7	18052	SIGHT GAUGE	1	
8	4671	BATTERY 12V GROUP U1 WET CELL	1	
9	503119	NUT, LOCK	2	
10	3353	CAP, FILLER/BREATHER	1	10
11	802363	RETAINER, CYLINDER	2	
12	492595	WASHER, FLAT 3/16"	4	
13	503118	BOLT, 3/16" X 1"	2	
14	502125	BOLT, 1"-NF X 2" GRD5	4	
15	3047	SPACER	4	
16	TK86D16	NUT, 1"-NF	4	O'
17	EM969013	NUT, NYLOC	2	
18	520894	BOLT, 3/8-NC X 3" GRD8.8	2	
19	EM916019	FITTING, GREASE	2	
20	EM744	PIN, 1/2" X 4"	4	
21	506094	PLÚG, 1/2NPT GALVANIZED	) 1	
22	492303	BOLT, 5/16-NC X 1-1/4"	2	
23	2105164	NUT, NYLON 5/16-18	2	
24	EM923023	WASHER, FLAT 5/16"	2	
25	2101402	WASHER, LOCK 1/4"	2	
26	492356	BOLT 1/4" X 3/4"	2	
27	DULT100602	NUT, M6	4	
28	512557	CABLE (-) BATTERY	1	
29	511250	CABLE (+) BATTERY	1	
32	520800	PLATE, SERIAL, EMISSION CONTROL	_ 1	
33	491757	RIVET, ID PLATE	2	
34	802314	RETAINER BAR	1	
35	13217	SCREW, HHC 3/8-16 X 6" GRD5	2	
36	492551	NUT, 3/8-16	2	
37	0166 A	WASHER, LOCK 3/8"	2	
38	803069	PIPE, 1"NPT X 10" GALV.	1	
39	491189	ELBOW, 90° 1"NPT GALV.	2	
40	491160	PLUG, PIPE 1"NPT	1	

# **COVER ASSY.**



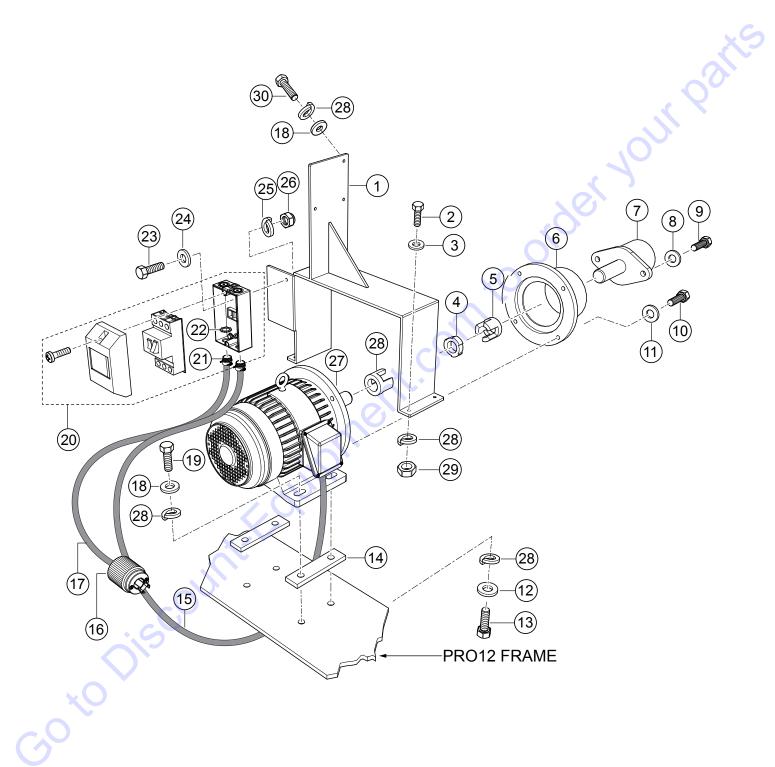
#### **COVER ASSY.**

<u>NO.</u>	PART NO.	PART NAME	QTY.	<u>REMARKS</u>
1	802340	COVER, MOVEABLE	1	
2	802346	COVER, FIXED	1	
3	29173-001	SWITCH, PUSH PULL W/O KNOB	1	
3A	29174-001	KNOB-MUSHROOM	1	
4	10958	SWITCH, IGN, W/KEYS	1	INCLUDES ITEM W/\$
4A\$	11078	KEYSET, IGNITION	1	
5	491010	LATCH KIT ENGINE HOUSING	2	. V
6	510476	BOLT, 5/16-NC X 1/2"	4	
6A	EM923057	WASHER , FLAT1/4"	4	
7	2101402	WASHER LOCK 1/4"	4	10
8	DULT100443	BOLT, M6 X 20 P-1 GRD2	4	
9	EM492358	BOLT 1/4-NC X 1-1/4"	1	
10	EM923057	WASHER, FLAT 1/4"	2	70,
11	803057	CHAIN	1	
12	492581	NUT, 1/4-20 NYLOC	1	
13	802962	HEAT SHIELD, MUFFLER	1	<b>3</b> '
14	DULT100443	BOLT, M6 X 20 P-1 GRD2	3	
15	2101402	WASHER, LOCK 1/4"	3	
16	EM923057	WASHER, FLAT 1/4".	3	
17	DULT100602	NUT, M6	3	
19	512367	BOLT, 3/16-NC X 1/2" GRD2	2	
20	503119	NUT, LOCK 3/16" NC	2	
21	800033	WEATHER STRIPING, 1.5FT	22	1PC=1FT
22	EM491028	WRAP, CABLE TIE, BLACK	9	11 0=11 1
23	510573	HARNESS CABLE, ENGINE	1	
24	492356	BOLT, 1/4" X 3/4"	1	
25	EM923057	WASHER, FLAT 3/4"	2	
26			<u> </u>	
	492581	NUT, 1/4-20 NYLOC	I	
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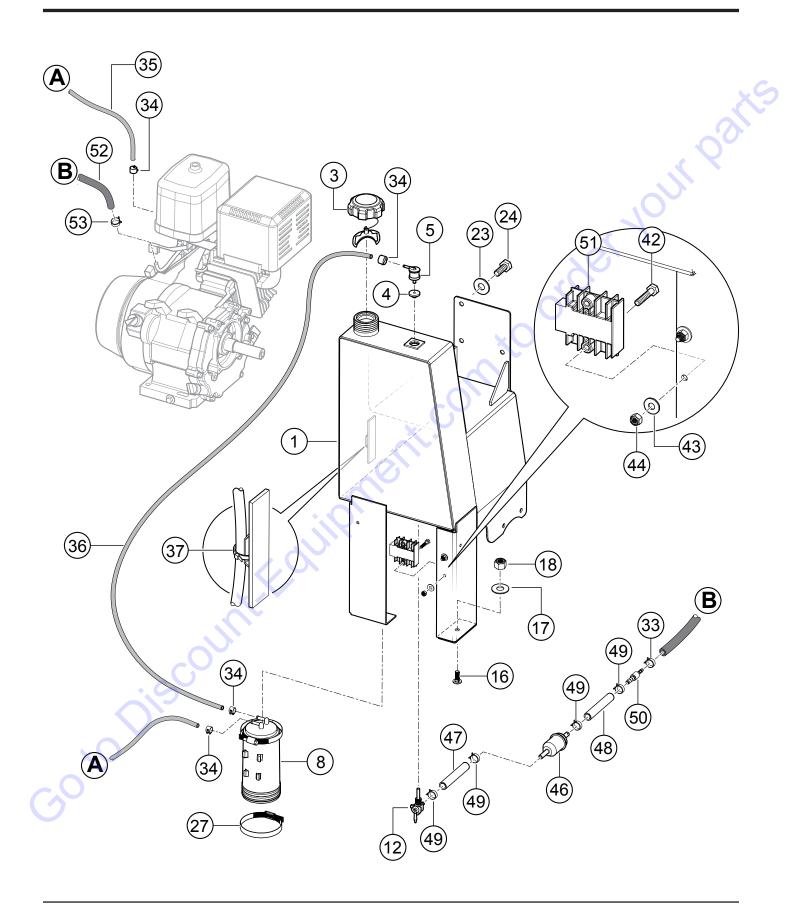
# **ENGINE ASSY.**

NO. 1 2 2A 3 4 5 6 7 8 9 10	PART NO. 520766 516282 516282C 13374 803028 491757 800780 800776 513619 505883	PART NAME ENGINE, HONDA, ELEC START. 13HF COUPLING ASSY. JAW COUPLER PUMP, EATON W/KEY MUFFLER, EXHAUST RIVET ADAPTER, 6M12F870MX HOSE, DRAIN FITTING		REMARKS GX390RT2-QNB2
1 2 2A 3 4 5 6 7 8 9 10	520766 516282 516282C 13374 803028 491757 800780 800776 513619	ENGINE, HONDA, ELEC START. 13HF COUPLING ASSY. JAW COUPLER PUMP, EATON W/KEY MUFFLER, EXHAUST RIVET ADAPTER, 6M12F870MX HOSE, DRAIN		
2 2A 3 4 5 6 7 8 9 10	516282 516282C 13374 803028 491757 800780 800776 513619	COUPLING ASSY. JAW COUPLER PUMP, EATON W/KEY MUFFLER, EXHAUST RIVET ADAPTER, 6M12F870MX HOSE, DRAIN	1 1 1 1 6 1	CAROUTHE WINDE
2A 3 4 5 6 7 8 9 10	516282C 13374 803028 491757 800780 800776 513619	JAW COUPLER PUMP, EATON W/KEY MUFFLER, EXHAUST RIVET ADAPTER, 6M12F870MX HOSE, DRAIN	1 1 1 6 1	
3 4 5 6 7 8 9 10 11	13374 803028 491757 800780 800776 513619	PUMP, EATON W/KEY MUFFLER, EXHAUST RIVET ADAPTER, 6M12F870MX HOSE, DRAIN	1 1 1 6 1	
4 5 6 7 8 9 10 11	803028 491757 800780 800776 513619	MUFFLER, EXHAUST RIVET ADAPTER, 6M12F870MX HOSE, DRAIN	1 1 6 1	
5 6 7 8 9 10 11	491757 800780 800776 513619	RIVET ADAPTER, 6M12F870MX HOSE, DRAIN	1 6 1	
6 7 8 9 10 11	800780 800776 513619	ADAPTER, 6M12F870MX HOSE, DRAIN	6 1	
7 8 9 10 11	800776 513619	HOSE, DRAIN	1 1	
8 9 10 11	513619	·	1	
9 10 11		F11 11N1/ -	1	
10 11	505883		1	
11		BOLT, 3/8-NC X 2" GRD5	4	
	3019092	WASHER, FLAT 3/8"	2	
	0166 A	WASHER, LOCK, 3/8" MED	4	
12	EM969013	NUT, NYLOC, 3/8-NC	4	
13	90745ZE2600	KEY, 6.3 X 6.3 X 43MM	1	J
14	492303	BOLT, 5/16-NC X 1-1/4" GRD5	3 2	
15	EM923057	WASHER, FLAT 1/4"	2	
16	2105164	NUT, NYLOC, 5/16-NC	3	
17	508344	WASHER, FLAT, 5/16"		
19	0166 A	WASHER, LOCK, 3/8" MED	6	
20	EM963610	CAPSCREW, 3/8-NC X 1-1/4" GRD8		
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	PR∩12	HYDRAULIC MIXER • PARTS MANUAL	— RFV #4 (10/30/1	9) — PAGF 19
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# **ELECTRIC MOTOR ASSY.**

NO.	PART NO.	PART NAME	QTY.	<b>REMARKS</b>	
1	EM98283	BRACKET, SUPPORT VALVE	1		
2		BOLT, 3/8-16 X 1-1/4"	4	OBTAIN LOCALLY	
3		BOLT, 3/8-16 X 1-1/4"	4	OBTAIN LOCALLY	
4	3418	INSERT ,RUBBER	1		
5	3420	COUPLER, PUMP END			
6	3416	ADAPTOR, PUMP	1		~'0
7	13375	PUMP, EATON	1		<b>O</b>
8	0166 A	WASHER, LOCK, 3/8" MED	1		
9	EM963610	CAPSCREW 3/8-NC X 1-1/4" GRD8	1		
10	981635	BOLT, HEX 1/2-13 X 1"	1	10	
11	6109180	· · · · · · · · · · · · · · · · · · ·	4		
12		WASHER, FLAT 3/8"	4	OBTAIN LOCALLY	
13		BOLT, 3/8-16 X 1-1/4"	4	OBTAIN LOCALLY	
14	13289	DAD MOTOD MOUNT	0		
15	124	WIRE, 12-4 ELECTRICAL, 28" L		1PC=1FT	
16	940547	RECEPTACLE (L6-30P) 1 PH. 230 VOLT	1		
16	511647	RECEPTACLE (L15-30P) 3 PH. 230 VOLT	, iO		
16	EM98285	RECEPTACLE (L16-30P) 3 PH, 460 VOLT	X		
17	124	RECEPTACLE (L16-30P) 3 PH. 460 VOLT WIRE, 12-4 ELECTRICAL, 35" L	3	1PC=1FT	
18	121	WASHER, FLAT 3/8"	7	ORTAIN LOCALLY	
19			4	OBTAIN LOCALLY	
20	EM98187	SCREW, 3/8-16 X 1-1/4" SWITCH ASSY., 230V 1 PH. SWITCH ASSY., 230V 3 PH.	1	OD I/ III V LOO/ ILLI	
20	EM98191	SWITCH ASSY., 230V 3 PH.	1		
20	EM98284	SWITCH ASSY., 460V 3 PH.	1		
21	TBD	RING	2		
22	TBD	AULT	_		
23	100	BOLT, 1/4-20 X 1" WASHER, FLAT 1/4"	2	ORTAIN LOCALLY	
24		WASHER FLAT 1/4"	2	OBTAIN LOCALLY	
25		WASHER LOCK 1/4"	2	ORTAIN LOCALLY	
26		WASHER, LOCK 1/4" NUT, 1/4-20	2	ORTAIN LOCALLY	
27	3414	MOTOR, ELEC 5HP, 1 PH.	 1	ODIAIN LOOALLI	
27	3481		1		
28	U-TU I	MOTOR, ELEC 5HP, 3 PH. WASHER, LOCK 3/8"	15	ORTAIN LOCALLY	
29		NUT, 3/8-16	1 <b>J</b>		
30		BOLT, 3/8-16 X 3/4"	∓		
30		DOLI, 0/0-10 A 3/4		ODIAIN LOCALLI	



#### **FUEL TANK ASSY.**

NO.	PART NO.	PART NAME	QTY.	REMARKS	
1	802353	TANK, GASOLINE	1	<u></u>	
3	520820	CAP, FUEL EPA	1		
4	203403	GROMMET, ROLL OVER VALVE	1		
5	202772	VALVE, ROLL OVER	1		×
8	23506	CANISTER, CARBON, 800CC	1		
12	22081	VALVE, FUEL SHUTOFF	1		~(0.
16	504586	BOLT, 3/8-NC X 1" GRD5	2		
17	0166 A	WASHER, LOCK 3/8"	2		
18	EM969013	NUT, NYLOC 3/8-NC	2		
23	0166 A	WASHER, LOCK 3/8"	3	1	
24	EM963055	HEX HEAD CAPSCREW	3		
27	493108	CLAMP	2	$\sim$ $\sim$ $\sim$	
33	802573	CLAMP, BAND TENSION D=9.5	1	76,	
34	802498	CLAMP, BAND TENSION D=11.1	4		
35	520833	HOSE, GASOLINE, EPA 3/16" X 0.96M 4	10"L4	1PC=1FT	
36	520833	HOSE, GASOLINE, EPA 3/16" X 0.73M 2	25"L3	1PC=1FT	
37	EM491028	WRAP, CABLE TIE, BLACK	2		
42	EM492358	BOLT, 1/4-NC X 1-1/4" GRD5	2		
43	EM923057	WASHER, 1/4"	2		
44	492581	NUT, 1/4-20 NYLOK	2		
46	EM20763	FILTER, FUEL IN-LINE	1		
47	520611	HOSE, GASOLINE, EPA 1/4" X 0.051M 2	2"L1	1PC=1FT	
48	520611	HOSE, GASOLINE, EPA 1/4" X 0.076M 2	2"L1	1PC=1FT	
49	802574	CLAMP, BAND TENSION D=11.7	4		
50	802405C	REDUCER, 1/4" - 3/16"	1		
51	31600ZE2861	REGULATOR	1		
52	91424Z5L822	TUBE, FUEL 4.5 X 580MM	1		
53	950024080008	CLAMP, TUBE	1		

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