# **PARTS MANUAL**



# MAYCO SERIES MODEL C30HDZ BALL VALVE CONCRETE PUMP (DEUTZ F2L1011F DIESEL ENGINE)

#14 (01/12/21)

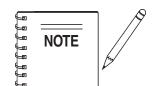
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## MAYCO C30HDZ CONCRETE PUMP

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Specification and part number 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 quarantee 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	١ا	NOT SOLD SEPARATELY
2%	12347	WASHER, 3/8 IN	۱1	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.

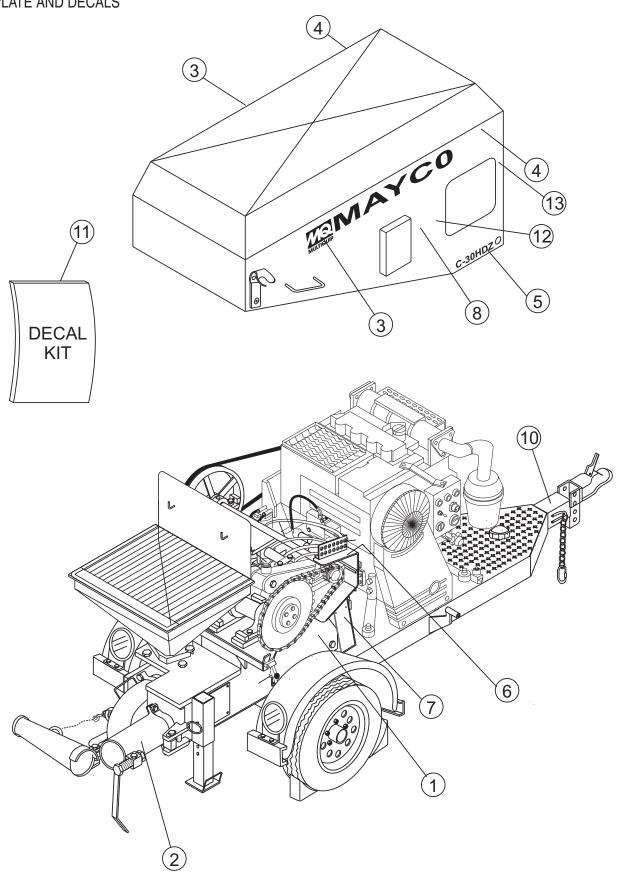
"Not Sold Separately" — Indicates that an item cannot be purchased as a separate item and is either part of an assembly/kit that can be purchased, or is not available for sale through Multiquip.

# SUGGESTED SPARE PARTS

	C30HDZ CONCRETE PUM	C30HDZ CONCRETE PUMP			
W/ SYSTEM			W/ SYSTEM		
	1 Units			3 Units	
P/N	<b>DESCRIPTION</b>	QTY.	P/N	<u>DESCRIPTION</u>	QTY.
EM14904	PISTON CUP KITS	6	EM14904	PISTON CUP KITS	10
EM18804	4-1/2" STEEL BALL	4	EM18804	4-1/2" STEEL	10
EM14818	4" STEEL BALL	4	EM14818	4" STEEL BALL	10
EM14903	BALL STOP PIN KIT	6	EM14903	BALL STOP PIN KITS	12
EM18801	0-RING MANIFOLD	10	EM18801	MANIFOLD O-RINGS	25
EM14308	CHAIN	1	EM14308	CHAINS	3
EM26313	HALF LINK	2	EM26313	HALF LINK	10
EM26314	MASTER LINK	2	EM26314	MASTER LINK	10
EM14334	COMPENSATOR SPRING	1	EM14334	COMPENSATOR SPRING	2
EM14408	BRONZE RING	2	EM14408	BRONZE RING	4
EM903092	CAM BEARING (TIMKEN)	2	EM903092	CAM BEARING (TIMKEN)	2
EM98296	CAM BEARING (MCGILL)	2	EM98296	CAM BEARING (MCGILL)	2
EM14315	V-BELT	2	EM14315	V-BELT	6
EM14842	LOWER SEAT	2	EM14842	LOWER SEAT	6
EM14843	UPPER SEAT	2	EM14843	UPPER SEAT	6
EM18409	O-RING	10	EM18409	O-RING	20
EM20763	FUEL FILTER	2	EM20763	FUEL FILTER	6
EM20328TKIT	BEARING KIT	2	EM20328TKIT	BEARING KIT	2
EM28004DD	REDUCER 3" X 2" X 36"	1	EM28004DD	REDUCER 3" x 2" X 36"	2
EM23946	3" ELBOW	1	EM23946	3" ELBOW	2
EM28904	3" CLAMP	2	EM28904	3" CLAMP	4
EM289041	3" GASKETS	4	EM289041	3" GASKET	10
EM14159	HOPPER SCREEN	1	EM14159	HOPPER SCREEN	2
EM14351	CLUTCH	1	EM14300	CAM	1
			EM14801	T-MANIFOLD	1
			EM14819	Y-MANIFOLD	1
			EM14335	PISTON ROD	2
			EM26788	REMOTE SWITCH	1
			EM903176	CONN. ROD BEARING	1
	Ø Ded weeken	Hala Occasional	EM14807	PUMP CYLINDER	2
	Part number on		EM18800	COMPENSATOR CYLINDER	2
NOTE	Spare Parts List		EM14351	CLUTCH	1
	replace the P/N s				
	pages of this book				

# NAMEPLATE AND DECALS

## NAME PLATE AND DECALS



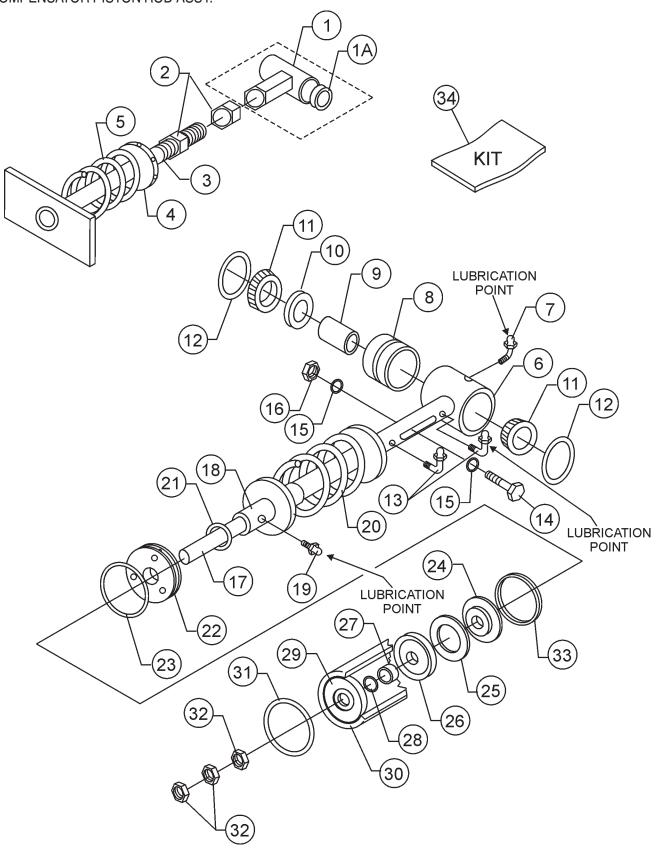
# NAMEPLATE AND DECALS

## NAME PLATE AND DECALS

NO	PART NO	PART NAME	QTY.	<u>REMARKS</u>
1*	DCL152	DECAL, CAUTION OIL LEVEL	1	
2*	EM932	DECAL, CAUTION, MANIFOLD	1	
3*	EM1028	DECAL, MULTIQUIP MAYCO	2	
4*	508594	DECAL, CAUTION READ MANUAL	2	
5	EM513119	DECAL, C30HDZ	2	
6*	EM513165	DECAL, MAINTENANCE	1	
7		DECAL, NAME PLATE	1	CONTACT PARTS DEPT.
8*	513163	DECAL, CONTROL PANEL	1	
9*	34536	DECAL, OWNER'S MANUAL	1	
10*	TBD	DECAL, DIESEL FUEL ONLY	1	
11	DCLC30HDNIKIT	KIT, DECAL	1	INCLUDES ITEMS W/*
12	EM514187	DECAL, REFER TO MANUAL	1	
13	35137	DECAL, READ MANUAL	1	

# COMPENSATOR PISTON ROD ASSY.

## COMPENSATOR PISTON ROD ASSY.



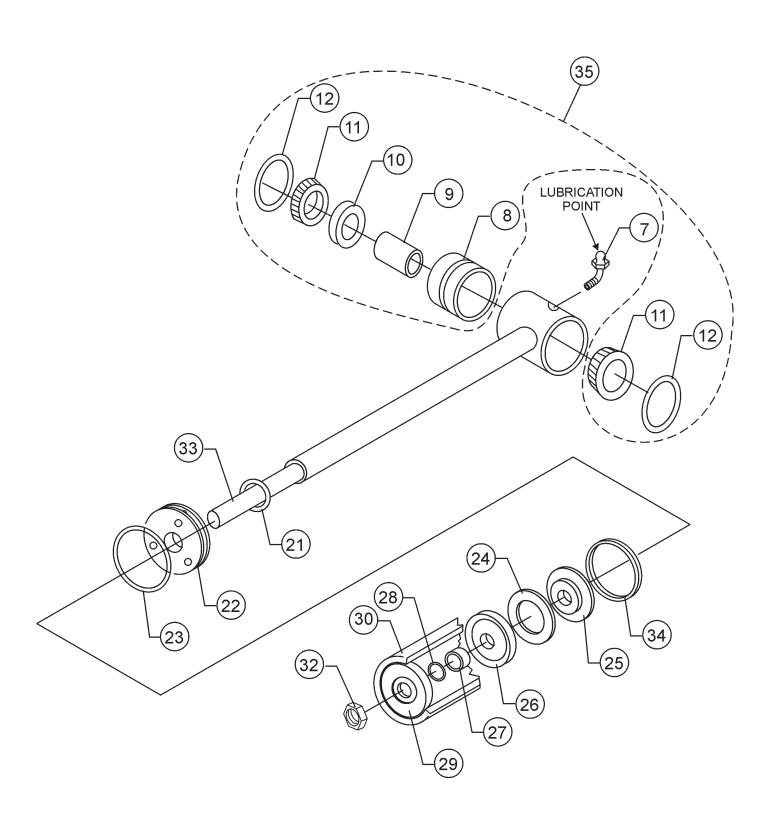
# COMPENSATOR PISTON ROD ASSY.

## COMPENSATOR PISTON ROD ASSY.

NO.	PART NO.	PART NAME	QTY.	<u>REMARKS</u>
1	EM14805	PART NAME ROD END	1	INCLUDES ITEMS W/+
1A+	EM148053	BUSHING	1	
2	EM968446	NUT HEX, 3/4"-10 GR5	2	
3	EM14332	ROD SPRING GUIDE 3/4"	1	
4	EM14331	SPRING BACKING PLATE	1	
5	EM14333	SPRING RETURN	1	
6	EM14806	PISTON GUIDE ASSY.	1	
7	EM505490	FITTING	1	
8*	EM903163	BEARING CUP	1	
9*	EM20814	BEARING BUSHING	1	
10*	EM20813	SPACER	1	
11*	EM903162	BEARING CONE	2	
12*	EM20816	O-RING	2	
13	EM916001	FITTING	2	
14	EM510266	SCREW, HHC 1/2-13X3	1	
15	EM621	WASHER	2	
16	492584	NUT LOCK 1/2" DIA.	1	
17	EM14335	PISTON ROD	1	
18	EM14336	PISTON GUIDE	1	
19	EM505489	FITTING	1	
20	EM14334	COMPENSATOR SPRING	1	
21	EM18409	O-RING	1	
22	EM98032	PLATE, OILER	1	
23	EM14407	O-RING, OILER PLATE	1	
24	EM14410	RING & FELT HOLDER	1	
25	EM14408	BRONZE RING	1	
26	EM14411	PISTON CUP-BLACK	1	
26	EM98051	PISTON CUP-ORANGE	1	
27	EM14412	BUSHING 1 1/4 CRS	1	
28	EM18409	O-RING 1"	2	
29	EM14413	FACE PLATE	1	
30	EM18800HD	PUMPING CYLINDER	1	2-1/2" LIP SLEEVE
31	EM26525	O-RING, CYLINDER BOX	1	
32	EM968446	NUT HEX, 3/4-10	3	
33	EM16493	FELT RING	1	
34	EM148053	BUSHING	1	
35	EM20328TKIT	BUSHING BEARING KIT	1	INCLUDES ITEMS W/*

# C-30HDN PUMP — CONNECTING ROD - DRIVE SIDE ASSY.

CONNECTING ROD - DRIVE SIDE ASSY.

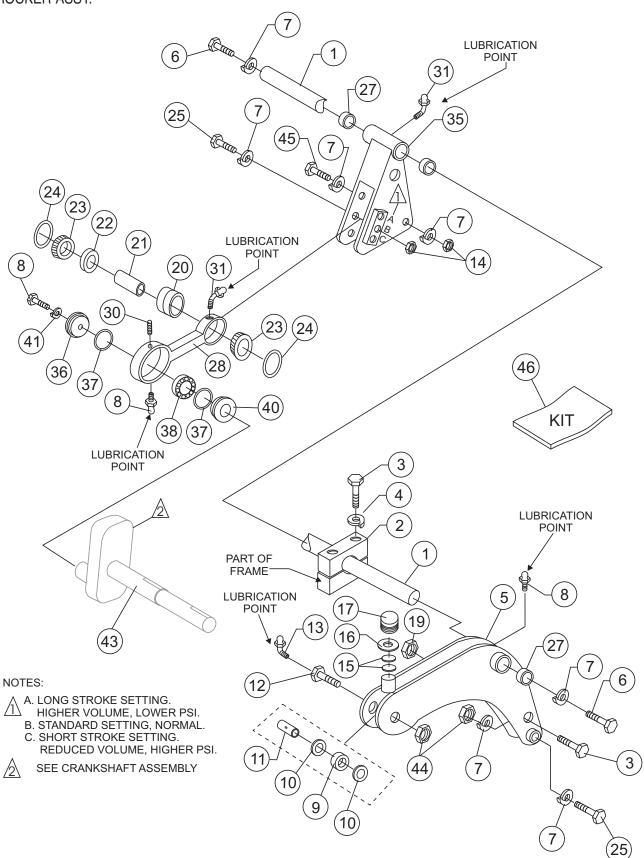


# C-30HDN PUMP — CONNECTING ROD - DRIVE SIDE ASSY.

## CONNECTING ROD - DRIVE SIDE ASSY.

NO.	PART NO.	PART NAME	QTY.	<u>REMARKS</u>
7	EM505490	FITTING	1	
8*	EM903163	BEARING CUP	1	
9*	EM20814	BEARING BUSHING	1	
10*	EM20813	SPACER	1	
11*	EM903162	BEARING CONE	2	
12*	EM20816	O-RING	2	
21	EM18409	O-RING	1	
22	EM98032	PLATE, OILER	1	
23	EM14407	O-RING, OILER PLATE	1	
24	EM14408	BRONZE RING	1	
25	EM14410	RING AND FELT HOLDER	1	
26	EM14411	PISTON CUP-BLACK	1	
26	EM98051	PISTON CUP-ORANGE	1	
27	EM14412	BUSHING 1 1/4 CRS	1	
28	EM18409	O-RING 1"	2	
29	EM14413	FACE PLATE	1	
30	EM14807HD	CONCRETE CYLINDER	1	3-3/4 IN. LIP SLEEVE
32	EM968446	NUT HEX, 3/4-10	3	
33	EM14808	PISTON ROD ASSY.	1	
34	EM16493	FELT RING	1	
35	EM20328TKIT	BEARING KIT	1	INCLUDES ITEMS W/*

## ROCKER ASSY.



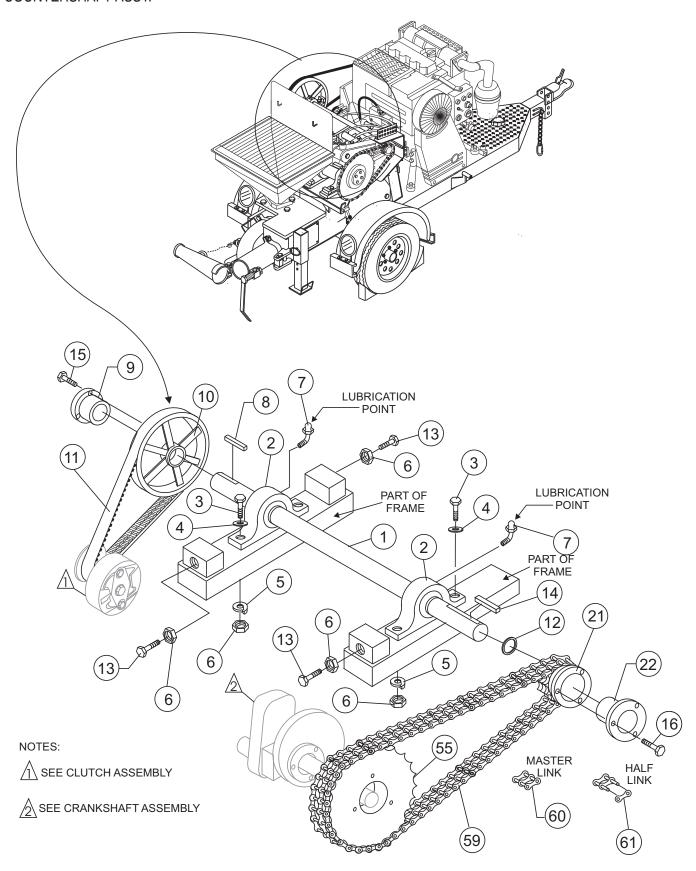
# ROCKER ASSY.

## ROCKER ASSY.

NO.	PART NO.	PART NAME	QTY.	<u>REMARKS</u>
1	EM14329	SHAFT ROCKER ARM JOURNAL BLOCK SCREW, HHC 3/4"-10X5 WASHER LOCK 3/4" SPRING STEEL	1	
2	EM14116	JOURNAL BLOCK	1	
3	EM963180	SCREW, HHC 3/4"-10X5	2	
4	EM923350	WASHER LOCK 3/4" SPRING STEEL	2	
5	EM14846	CAM ROCKER ARM	1	INCLUDES ITEMS W/+
6	EM923350 EM14846 EM133	BOLT 1"-14X2" HEX HEAD	1	
7	EIVIOU3	BOLT 1"-14X2" HEX HEAD WASHER 1" LOCK ZERK FITTING	1	
8	EM916001	ZERK FITTING	1	
9	EM903092	CAM BEARING (TIMKEN)CAM BEARING (MCGILL)	1	BEFORE JANUARY 2017
9	EM98296	CAM BEARING (MCGILL)	1	AFTER DECEMBER 2016
10	EM20347	CAM BEARING SPACER	2	BEFORE JANUARY 2017
10	EM98298	CAM BEARING SPACER	2	AFTER DECEMBER 2016
11	EM402434	CAM BEARING BUSHING	1	BEFORE JANUARY 2017
11	EM98297	CAM BEARING BUSHING	1	AFTER DECEMBER 2016
12	EM20344	CAM BEARING SPACERCAM BEARING BUSHING	1	
13	EM916001	ZERK FITTING	1	
14	EM417	SPECIAL BOLT ZERK FITTING NUT FLEX LOCK OILER FELT WASHER, FLAT 5/8"	1	
15	EM402456	OILER FELT	2	
16	EM923157	WASHER, FLAT 5/8"	1	
17	FM20349	OILER PLUG, PLASTIC	1	
19	EM969038	NUT STOP REG. 3/4"-10	1	
20%	EM903163		1	
21%	EM20814	BEARING BUSHING	1	
22%	EM20813	SPACER	1	
23%	EM903162		2	
24%	EM20816	O-RING	2	
25	EM105	BOLT 1"-14X6" HEX HEAD	1	
27#+		BRONZE BUSHING	4	
28	EM203262 EM20364	CONNECTING ROD	1	
30	EM702	SCREW ALLEN HEAD 3/8"-16X3/4"	1	
31	EM505490	ZERK FITTING	1	
35	EM14328	ROCKER ARM ASSY	1	INCLUDES ITEM W/#
36	EM402996	SEAL PLATE	1	
37	EM20336	O-RING	1	
38	EM903176	BEARING	1	
40	EM20338	SPACER	1	
41	EM923348	WASHER LOCK 5/8	1	
42	EM503982	BOLT 1/2-13X5	1	
43	EM98043	FORGED CRANKSHAFT	1	INCLUDES ITEM W/*
44	EM417	NUT, LOCK 3/4"-10	1 2	. INVOLUDED IT LIVI VV/ "
45	EM202	DOLT HEV 10 V 6 L C	1	
46	EM20328TKIT	BEARING KIT	1	INCLLIDES ITEMS W/%
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# COUNTER-SHAFT ASSY.

## COUNTERSHAFT ASSY.

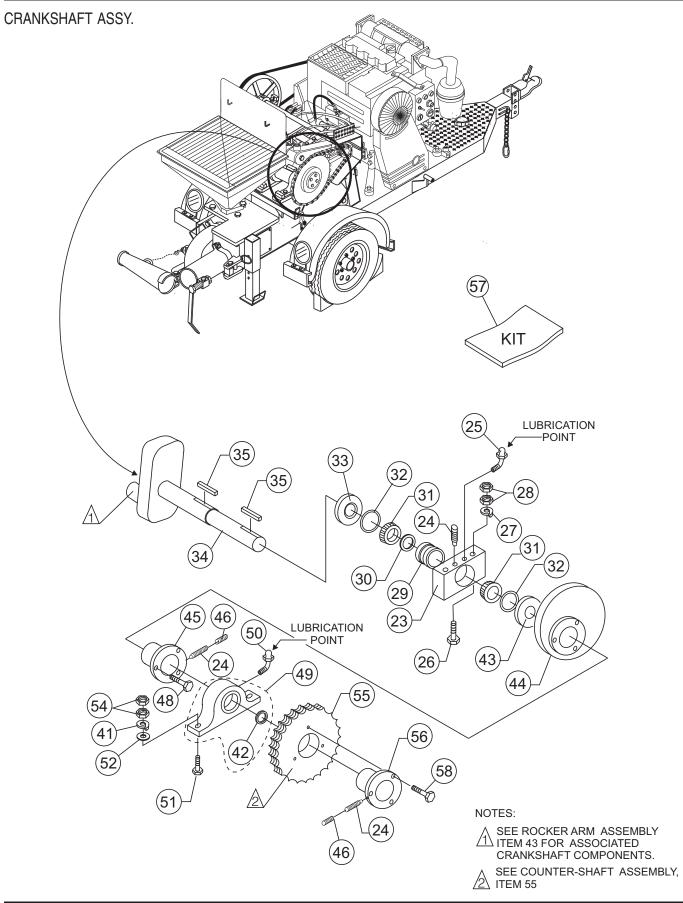


# COUNTER-SHAFT ASSY.

## COUNTER-SHAFT ASSY.

NO.	PART NO.	PART NAME	QTY.	<b>REMARKS</b>
1	EM513073	COUNTER SHAFT	1	
2	EM14311	CAM BEARING	2	
3	EM124	BOLT HEX 1/2 X 13 X 4"	4	
4	EM621	WASHER WILLIAMS 1/2"	4	
5	EM923346	WASHER, LOCK1/2"	4	
6	EM968011	NUT HEX, 1/2-13	7	
7	EM916001	FITTING, GREASE	2	
8	EM14316	KEY 3/8"X2.5"	1	
9	EM14314	BUSHING, PULLEY	1	
10	EM14313	PULLEY	1	
11	EM14315	BELT, DOUBLE 90 INCHES	1	
12	EM143111	SET COLLAR	1	
13	EM130	BOLT, SQUARE 1/2" - 13 X 2-1/2"	3	
14	EM14317	KEY, 3/8"	1	
15	EM123	BOLT, HEX 3/8"- 16 X 1-1/4"	3	
16	EM161	BOLT, HEX 3/8" - 16 X 1"	3	
21	EM14318	SPROCKET, 13 TOOTH	1	
22	EM14319	BUSHING	1	
55	EM14307	SPROCKET 60 TEETH	1	
59	EM14308	CHAIN W/MASTER LINK	1	
60	EM26314	LINK MASTER	1	
61	EM26313	HALF LINK	1	

# CRANKSHAFT ASSY.

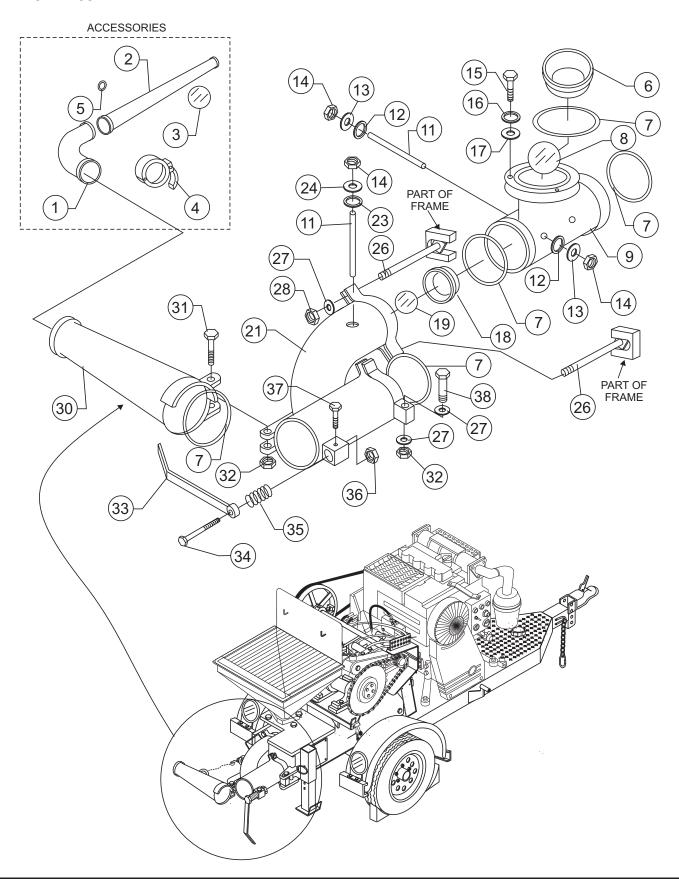


# CRANKSHAFT ASSY.

## CRANKSHAFT ASSY.

23*         EM14303         BEARING BLOCK         1           24*         EM702         SCREW, ALLEN HEAD 3/8-16X3/4         6           25         EM505490         ZERK FITTING         1           26         EM129         SCREW, HHC 3/4-10X8-1/2         2           27         EM492628         LOCK WASHER 3/4         2           28         EM968446         NUT HEX, 3/4-10 GR5         4           29*         EM14324         CUP BEARING         1           30*         EM14323         SPACER BEARING CONE         1           31*         EM14325         CONE BEARING         2           32*         EM14326         O-RING         2           33*         EM14322         SPACER         1           35*         EM14306         KEY CRANKSHAFT, FORGED         1           40         EM98043         CRANKSHAFT, FORGED         1           40         EM402996         SEAL PLATE         1           41         EM923348         WASHER, LOCK 5/8"         2           42#         EM30139         SET COLLAR         1           43*         EM14300         SARCER, CAM BUSHING         1           45*         EM14300	NO.	PART NO.	PART NAME	QTY.	<u>REMARKS</u>
25         EM505490         ZERK FİTTING         1           26         EM129         SCREW, HHC 3/4-10X8-1/2         2           27         EM492628         LOCK WASHER 3/4         2           28         EM968446         NUT HEX, 3/4-10 GR5         4           29*         EM14324         CUP BEARING         1           30*         EM14323         SPACER BEARING CONE         1           31*         EM14325         CONE BEARING         2           32*         EM14326         O-RING         2           33*         EM14322         SPACER         1           35*         EM14306         KEY CRANKSHAFT, FORGED         1           40         EM903176         BEARING         1           40         EM402996         SEAL PLATE         1           41         EM923348         WASHER, LOCK 5/8"         2           42#         EM30139         SET COLLAR         1           43*         EM14302         SPACER, CAM BUSHING         1           45*         EM14301         BUSHING, CAM         1           46*         EM703         SCREW ALLEN HEAD 3/8-16X3/8         6           48*         EM175         BOL	23*	EM14303	BEARING BLOCK	1	
26 EM129 SCREW, HHC 3/4-10X8-1/2 2 27 EM492628 LOCK WASHER 3/4 2 28 EM968446 NUT HEX, 3/4-10 GR5 4 29* EM14324 CUP BEARING 1 30* EM14323 SPACER BEARING CONE 1 31* EM14325 CONE BEARING 2 32* EM14326 O-RING 2 33* EM14322 SPACER 1 35* EM14306 KEY CRANKSHAFT, FORGED 1 35* EM14306 KEY CRANKSHAFT 2 38 EM903176 BEARING 1 40 EM402996 SEAL PLATE 1 41 EM923348 WASHER, LOCK 5/8" 2 42# EM30139 SET COLLAR 1 43* EM14302 SPACER, CAM BUSHING 1 44* EM14300 CAM ASSY, 1 45* EM14301 BUSHING, CAM 1 46* EM703 SCREW ALLEN HEAD 3/8-16X3/8 6 48* EM175 BOLT 3/8-16X1-1/4 6 49* EM14304 BEARING-CAM COMPLETE	24*	EM702	SCREW, ALLEN HEAD 3/8-16X3/4	6	
27         EM492628         LOCK WASHER 3/4         2           28         EM968446         NUT HEX, 3/4-10 GR5         4           29*         EM14324         CUP BEARING         1           30*         EM14323         SPACER BEARING CONE         1           31*         EM14325         CONE BEARING         2           32*         EM14326         O-RING         2           33*         EM14322         SPACER         1           34*         EM98043         CRANKSHAFT, FORGED         1           35*         EM14306         KEY CRANKSHAFT         2           38         EM903176         BEARING         1           40         EM402996         SEAL PLATE         1           41         EM923348         WASHER, LOCK 5/8"         2           42#         EM30139         SET COLLAR         1           43*         EM14302         SPACER, CAM BUSHING         1           44*         EM14300         CAM ASSY.         1           45*         EM14301         BUSHING, CAM         1           46*         EM703         SCREW ALLEN HEAD 3/8-16X3/8         6           48*         EM175         BOLT 3/8-16X1-1/	25	EM505490	ZERK FITTING	•	
27         EM492628         LOCK WASHER 3/4         2           28         EM968446         NUT HEX, 3/4-10 GR5         4           29*         EM14324         CUP BEARING         1           30*         EM14323         SPACER BEARING CONE         1           31*         EM14325         CONE BEARING         2           32*         EM14326         O-RING         2           33*         EM14322         SPACER         1           34*         EM98043         CRANKSHAFT, FORGED         1           35*         EM14306         KEY CRANKSHAFT         2           38         EM903176         BEARING         1           40         EM402996         SEAL PLATE         1           41         EM923348         WASHER, LOCK 5/8"         2           42#         EM30139         SET COLLAR         1           43*         EM14302         SPACER, CAM BUSHING         1           44*         EM14300         CAM ASSY.         1           45*         EM14301         BUSHING, CAM         1           46*         EM703         SCREW ALLEN HEAD 3/8-16X3/8         6           48*         EM175         BOLT 3/8-16X1-1/	26	EM129	SCREW, HHC 3/4-10X8-1/2	2	
29*         EM14324         CUP BEARING         1           30*         EM14323         SPACER BEARING CONE         1           31*         EM14325         CONE BEARING         2           32*         EM14326         O-RING         2           33*         EM14322         SPACER         1           34*         EM98043         CRANKSHAFT, FORGED         1           35*         EM14306         KEY CRANKSHAFT         2           38         EM903176         BEARING         1           40         EM402996         SEAL PLATE         1           41         EM923348         WASHER, LOCK 5/8"         2           42#         EM30139         SET COLLAR         1           43*         EM14302         SPACER, CAM BUSHING         1           44*         EM14300         CAM ASSY.         1           45*         EM14301         BUSHING, CAM         1           46*         EM703         SCREW ALLEN HEAD 3/8-16X3/8         6           48*         EM175         BOLT 3/8-16X1-1/4         6           49*         EM14304         BEARING-CAM COMPLETE         1         INCLUDES ITEM W/#           50*         EM9	27	EM492628		2	
30*         EM14323         SPACER BEARING CONE         1           31*         EM14325         CONE BEARING         2           32*         EM14326         O-RING         2           33*         EM14322         SPACER         1           34*         EM98043         CRANKSHAFT, FORGED         1           35*         EM14306         KEY CRANKSHAFT         2           38         EM903176         BEARING         1           40         EM402996         SEAL PLATE         1           41         EM923348         WASHER, LOCK 5/8"         2           42#         EM30139         SET COLLAR         1           43*         EM14302         SPACER, CAM BUSHING         1           44*         EM14300         CAM ASSY.         1           45*         EM14301         BUSHING, CAM         1           46*         EM703         SCREW ALLEN HEAD 3/8-16X3/8         6           48*         EM175         BOLT 3/8-16X1-1/4         6           49*         EM14304         BEARING-CAM COMPLETE         1         INCLUDES ITEM W/#           50*         EM916001         ZERK FITTING         1         1         INCLUDES ITEM W/#	28	EM968446	NUT HEX, 3/4-10 GR5	4	
31*       EM14325       CONE BEARING       2         32*       EM14326       O-RING       2         33*       EM14322       SPACER       1         34*       EM98043       CRANKSHAFT, FORGED       1         35*       EM14306       KEY CRANKSHAFT       2         38       EM903176       BEARING       1         40       EM402996       SEAL PLATE       1         41       EM923348       WASHER, LOCK 5/8"       2         42#       EM30139       SET COLLAR       1         43*       EM14302       SPACER, CAM BUSHING       1         44*       EM14300       CAM ASSY.       1         45*       EM14301       BUSHING, CAM       1         46*       EM703       SCREW ALLEN HEAD 3/8-16X3/8       6         48*       EM175       BOLT 3/8-16X1-1/4       6         49*       EM14304       BEARING-CAM COMPLETE       1       INCLUDES ITEM W/#         50*       EM916001       ZERK FITTING       1       1         51       EM128       BOLT 5/8-11X4" HEX HEAD       2         52       EM620       WASHER, SPECIAL 5/8"       2         54       EM968	29*	EM14324	CUP BEARING	1	
32*         EM14326         O-RING         2           33*         EM14322         SPACER         1           34*         EM98043         CRANKSHAFT, FORGED         1           35*         EM14306         KEY CRANKSHAFT         2           38         EM903176         BEARING         1           40         EM402996         SEAL PLATE         1           41         EM923348         WASHER, LOCK 5/8"         2           42#         EM30139         SET COLLAR         1           43*         EM14302         SPACER, CAM BUSHING         1           44*         EM14300         CAM ASSY.         1           45*         EM14301         BUSHING, CAM         1           46*         EM703         SCREW ALLEN HEAD 3/8-16X3/8         6           48*         EM175         BOLT 3/8-16X1-1/4         6           49*         EM14304         BEARING-CAM COMPLETE         1         INCLUDES ITEM W/#           50*         EM916001         ZERK FITTING         1         1         INCLUDES ITEM W/#           51         EM620         WASHER, SPECIAL 5/8"         2         2           54         EM968013         NUT HEX 5/8-11	30*	EM14323	SPACER BEARING CONE	1	
33*         EM14322         SPACER         1           34*         EM98043         CRANKSHAFT, FORGED         1           35*         EM14306         KEY CRANKSHAFT         2           38         EM903176         BEARING         1           40         EM402996         SEAL PLATE         1           41         EM923348         WASHER, LOCK 5/8"         2           42#         EM30139         SET COLLAR         1           43*         EM14302         SPACER, CAM BUSHING         1           44*         EM14300         CAM ASSY.         1           45*         EM14301         BUSHING, CAM         1           46*         EM703         SCREW ALLEN HEAD 3/8-16X3/8         6           48*         EM175         BOLT 3/8-16X1-1/4         6           49*         EM14304         BEARING-CAM COMPLETE         1         INCLUDES ITEM W/#           50*         EM916001         ZERK FITTING         1         INCLUDES ITEM W/#           51         EM128         BOLT 5/8-11X4" HEX HEAD         2         2           54         EM968013         NUT HEX 5/8-11         4           55         EM14309         SPROCKET 60 TEETH	31*	EM14325	CONE BEARING	2	
34*         EM98043         CRANKSHAFT, FORGED         1           35*         EM14306         KEY CRANKSHAFT         2           38         EM903176         BEARING         1           40         EM402996         SEAL PLATE         1           41         EM923348         WASHER, LOCK 5/8"         2           42#         EM30139         SET COLLAR         1           43*         EM14302         SPACER, CAM BUSHING         1           44*         EM14300         CAM ASSY.         1           45*         EM14301         BUSHING, CAM         1           46*         EM703         SCREW ALLEN HEAD 3/8-16X3/8         6           48*         EM175         BOLT 3/8-16X1-1/4         6           49*         EM14304         BEARING-CAM COMPLETE         1         INCLUDES ITEM W/#           50*         EM916001         ZERK FITTING         1         1         INCLUDES ITEM W/#           51         EM128         BOLT 5/8-11X4" HEX HEAD         2         2         2           54         EM968013         NUT HEX 5/8-11         4         4         55         EM14309         SPROCKET 60 TEETH         1         INCLUDES ITEM W/*	32*	EM14326	O-RING	2	
35*         EM14306         KEY CRANKSHAFT         2           38         EM903176         BEARING         1           40         EM402996         SEAL PLATE         1           41         EM923348         WASHER, LOCK 5/8"         2           42#         EM30139         SET COLLAR         1           43*         EM14302         SPACER, CAM BUSHING         1           44*         EM14300         CAM ASSY.         1           45*         EM14301         BUSHING, CAM         1           46*         EM703         SCREW ALLEN HEAD 3/8-16X3/8         6           48*         EM175         BOLT 3/8-16X1-1/4         6           49*         EM14304         BEARING-CAM COMPLETE         1         INCLUDES ITEM W/#           50*         EM916001         ZERK FITTING         1         1         INCLUDES ITEM W/#           51         EM128         BOLT 5/8-11X4" HEX HEAD         2         2         2           54         EM968013         NUT HEX 5/8-11         4         4         55         EM14307         SPROCKET 60 TEETH         1         INCLUDES ITEM W/*           56         EM14309         BUSHING         1         INCLUDES ITEM W/* <td>33*</td> <td>EM14322</td> <td>SPACER</td> <td>1</td> <td></td>	33*	EM14322	SPACER	1	
38         EM903176         BEARING         1           40         EM402996         SEAL PLATE         1           41         EM923348         WASHER, LOCK 5/8"         2           42#         EM30139         SET COLLAR         1           43*         EM14302         SPACER, CAM BUSHING         1           44*         EM14300         CAM ASSY.         1           45*         EM14301         BUSHING, CAM         1           46*         EM703         SCREW ALLEN HEAD 3/8-16X3/8         6           48*         EM175         BOLT 3/8-16X1-1/4         6           49*         EM14304         BEARING-CAM COMPLETE         1         INCLUDES ITEM W/#           50*         EM916001         ZERK FITTING         1         I           51         EM128         BOLT 5/8-11X4" HEX HEAD         2         2           52         EM620         WASHER, SPECIAL 5/8"         2           54         EM968013         NUT HEX 5/8-11         4           55         EM14307         SPROCKET 60 TEETH         1           56         EM14309         BUSHING         1         INCLUDES ITEM W/*           57         EM98043K         CRANKSH	34*	EM98043	CRANKSHAFT, FORGED	1	
40 EM402996 SEAL PLATE 1 41 EM923348 WASHER, LOCK 5/8" 2 42# EM30139 SET COLLAR 1 43* EM14302 SPACER, CAM BUSHING 1 44* EM14300 CAM ASSY. 1 45* EM14301 BUSHING, CAM 1 46* EM703 SCREW ALLEN HEAD 3/8-16X3/8 6 48* EM175 BOLT 3/8-16X1-1/4 6 49* EM14304 BEARING-CAM COMPLETE 1 INCLUDES ITEM W/ # 50* EM916001 ZERK FITTING 1 51 EM128 BOLT 5/8-11X4" HEX HEAD 2 52 EM620 WASHER, SPECIAL 5/8" 2 54 EM968013 NUT HEX 5/8-11 4 55 EM14309 BUSHING 1 57 EM98043K CRANKSHAFT FORGE ASSEMBLY 1 INCLUDES ITEM W/*	35*	EM14306	KEY CRANKSHAFT	2	
41       EM923348       WASHER, LOCK 5/8"       2         42#       EM30139       SET COLLAR       1         43*       EM14302       SPACER, CAM BUSHING       1         44*       EM14300       CAM ASSY.       1         45*       EM14301       BUSHING, CAM       1         46*       EM703       SCREW ALLEN HEAD 3/8-16X3/8       6         48*       EM175       BOLT 3/8-16X1-1/4       6         49*       EM14304       BEARING-CAM COMPLETE       1       INCLUDES ITEM W/#         50*       EM916001       ZERK FITTING       1       INCLUDES ITEM W/#         51       EM128       BOLT 5/8-11X4" HEX HEAD       2       2         52       EM620       WASHER, SPECIAL 5/8"       2         54       EM968013       NUT HEX 5/8-11       4         55       EM14307       SPROCKET 60 TEETH       1         56       EM14309       BUSHING       1         57       EM98043K       CRANKSHAFT FORGE ASSEMBLY       1       INCLUDES ITEM W/*	38	EM903176	BEARING	1	
42#       EM30139       SET COLLAR       1         43*       EM14302       SPACER, CAM BUSHING       1         44*       EM14300       CAM ASSY.       1         45*       EM14301       BUSHING, CAM       1         46*       EM703       SCREW ALLEN HEAD 3/8-16X3/8       6         48*       EM175       BOLT 3/8-16X1-1/4       6         49*       EM14304       BEARING-CAM COMPLETE       1       INCLUDES ITEM W/#         50*       EM916001       ZERK FITTING       1       INCLUDES ITEM W/#         51       EM128       BOLT 5/8-11X4" HEX HEAD       2       2         52       EM620       WASHER, SPECIAL 5/8"       2         54       EM968013       NUT HEX 5/8-11       4         55       EM14307       SPROCKET 60 TEETH       1         56       EM14309       BUSHING       1         57       EM98043K       CRANKSHAFT FORGE ASSEMBLY       1       INCLUDES ITEM W/*	40	EM402996	SEAL PLATE	1	
43*       EM14302       SPACER, CAM BUSHING       1         44*       EM14300       CAM ASSY.       1         45*       EM14301       BUSHING, CAM       1         46*       EM703       SCREW ALLEN HEAD 3/8-16X3/8       6         48*       EM175       BOLT 3/8-16X1-1/4       6         49*       EM14304       BEARING-CAM COMPLETE       1       INCLUDES ITEM W/#         50*       EM916001       ZERK FITTING       1       I         51       EM128       BOLT 5/8-11X4" HEX HEAD       2       2         52       EM620       WASHER, SPECIAL 5/8"       2         54       EM968013       NUT HEX 5/8-11       4         55       EM14307       SPROCKET 60 TEETH       1         56       EM14309       BUSHING       1         57       EM98043K       CRANKSHAFT FORGE ASSEMBLY       1       INCLUDES ITEM W/*	41	EM923348	WASHER, LOCK 5/8"	2	
44*       EM14300       CAM ASSY.       1         45*       EM14301       BUSHING, CAM       1         46*       EM703       SCREW ALLEN HEAD 3/8-16X3/8       6         48*       EM175       BOLT 3/8-16X1-1/4       6         49*       EM14304       BEARING-CAM COMPLETE       1       INCLUDES ITEM W/#         50*       EM916001       ZERK FITTING       1         51       EM128       BOLT 5/8-11X4" HEX HEAD       2         52       EM620       WASHER, SPECIAL 5/8"       2         54       EM968013       NUT HEX 5/8-11       4         55       EM14307       SPROCKET 60 TEETH       1         56       EM14309       BUSHING       1         57       EM98043K       CRANKSHAFT FORGE ASSEMBLY       1       INCLUDES ITEM W/*	42#	EM30139	SET COLLAR	1	
45*       EM14301       BUSHING, CAM       1         46*       EM703       SCREW ALLEN HEAD 3/8-16X3/8       6         48*       EM175       BOLT 3/8-16X1-1/4       6         49*       EM14304       BEARING-CAM COMPLETE       1       INCLUDES ITEM W/#         50*       EM916001       ZERK FITTING       1         51       EM128       BOLT 5/8-11X4" HEX HEAD       2         52       EM620       WASHER, SPECIAL 5/8"       2         54       EM968013       NUT HEX 5/8-11       4         55       EM14307       SPROCKET 60 TEETH       1         56       EM14309       BUSHING       1         57       EM98043K       CRANKSHAFT FORGE ASSEMBLY       1       INCLUDES ITEM W/*	43*	EM14302	SPACER, CAM BUSHING	1	
46*       EM703       SCREW ALLEN HEAD 3/8-16X3/8       6         48*       EM175       BOLT 3/8-16X1-1/4       6         49*       EM14304       BEARING-CAM COMPLETE       1	44*	EM14300	CAM ASSY.	1	
48*       EM175       BOLT 3/8-16X1-1/4       6         49*       EM14304       BEARING-CAM COMPLETE       1       INCLUDES ITEM W/#         50*       EM916001       ZERK FITTING       1         51       EM128       BOLT 5/8-11X4" HEX HEAD       2         52       EM620       WASHER, SPECIAL 5/8"       2         54       EM968013       NUT HEX 5/8-11       4         55       EM14307       SPROCKET 60 TEETH       1         56       EM14309       BUSHING       1         57       EM98043K       CRANKSHAFT FORGE ASSEMBLY       1       INCLUDES ITEM W/*	45*	EM14301	BUSHING, CAM	1	
49*       EM14304       BEARING-CAM COMPLETE       1	46*	EM703	SCREW ALLEN HEAD 3/8-16X3/8	6	
50*         EM916001         ZERK FITTING         1           51         EM128         BOLT 5/8-11X4" HEX HEAD         2           52         EM620         WASHER, SPECIAL 5/8"         2           54         EM968013         NUT HEX 5/8-11         4           55         EM14307         SPROCKET 60 TEETH         1           56         EM14309         BUSHING         1           57         EM98043K         CRANKSHAFT FORGE ASSEMBLY         1 INCLUDES ITEM W/*	48*	EM175	BOLT 3/8-16X1-1/4	6	
50*         EM916001         ZERK FITTING         1           51         EM128         BOLT 5/8-11X4" HEX HEAD         2           52         EM620         WASHER, SPECIAL 5/8"         2           54         EM968013         NUT HEX 5/8-11         4           55         EM14307         SPROCKET 60 TEETH         1           56         EM14309         BUSHING         1           57         EM98043K         CRANKSHAFT FORGE ASSEMBLY         1 INCLUDES ITEM W/*	49*	EM14304	BEARING-CAM COMPLETE	1	INCLUDES ITEM W/#
52       EM620       WASHER, SPECIAL 5/8"       2         54       EM968013       NUT HEX 5/8-11       4         55       EM14307       SPROCKET 60 TEETH       1         56       EM14309       BUSHING       1         57       EM98043K       CRANKSHAFT FORGE ASSEMBLY       1	50*	EM916001	ZERK FITTING	1	
54       EM968013       NUT HEX 5/8-11       4         55       EM14307       SPROCKET 60 TEETH       1         56       EM14309       BUSHING       1         57       EM98043K       CRANKSHAFT FORGE ASSEMBLY	51	EM128	BOLT 5/8-11X4" HEX HEAD	2	
55         EM14307         SPROCKET 60 TEETH         1           56         EM14309         BUSHING         1           57         EM98043K         CRANKSHAFT FORGE ASSEMBLY         1	52	EM620	WASHER, SPECIAL 5/8"	2	
56 EM14309 BUSHING 1 57 EM98043K CRANKSHAFT FORGE ASSEMBLY	54	EM968013	NUT HEX 5/8-11	4	
57 EM98043K CRANKSHAFT FORGE ASSEMBLY 1 INCLUDES ITEM W/*	55	EM14307	SPROCKET 60 TEETH	1	
	56	EM14309	BUSHING	1	
58 492378 BOLT, HEX 3/8"-16 X 1-3/4" 3	57	EM98043K	CRANKSHAFT FORGE ASSEMBLY	1	INCLUDES ITEM W/*
	58	492378	BOLT, HEX 3/8"-16 X 1-3/4"	3	

## MANIFOLD ASSY.

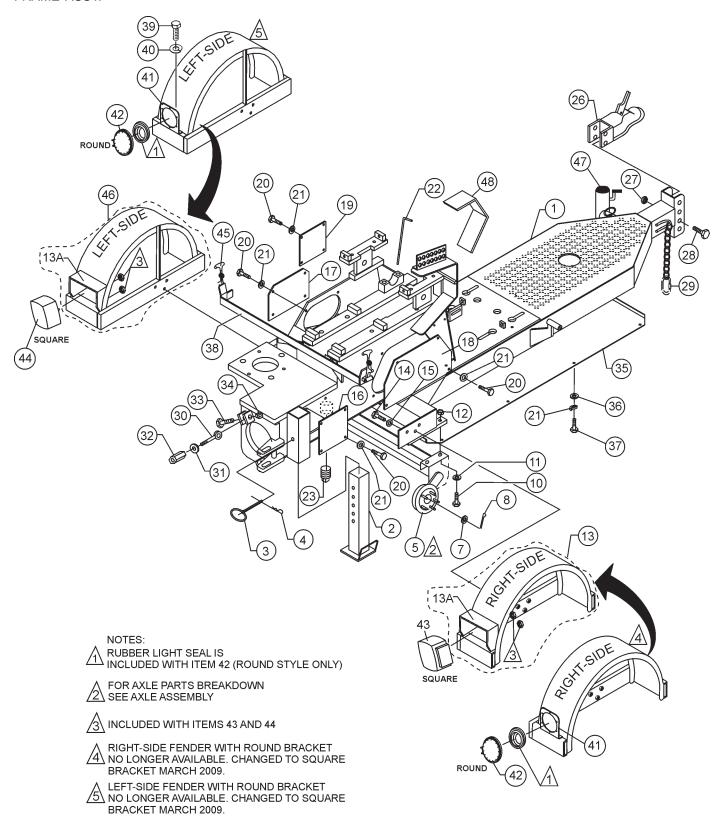


# MANIFOLD ASSY.

## MANIFOLD ASSY.

NO.	PART NO.	PART NAME	QTY.	<b>REMARKS</b>
1	EM23946	ELBOW 3"X90 DEG.HD	1	
2	EM28004DD	REDUCER 3X2X36 HD	1	
3	EM2C0B	BALL 2" SPONGE	2	
4	EM28904	COUPLING 3" HD *CF*	2	
5	EM18409	O-RING 1"	4	
6	EM14843	UPPER DURASEAT	1	
7	EM18801	O-RING	6	
8	EM18804	BALL 4-1/2"	1	
9	EM14801	MANIFOLD T ASSY.	1	
11	EM136	PIN BALL STOP 3/4-16 x 8	3	
12	EM18409	O-RING	4	
13	EM618	WASHER SPECIAL	4	
14	EM968266	NUT JAM HEX 3/4-16	4	
15	EM104	BOLT 5/8-11X2" HEX HEAD	3	
16	EM923348	WASHER LOCK 5/8 SPRING	3	
17	EM505882	WASHER, 5/8	3	
18	EM14842	SEAT DURA LOWER	1	
19	EM14818	BALL 4"	1	
21	EM14819A	MANIFOLD ASSY. EASY OPEN	1	
23	EM18409	O-RING	2	
24	EM618	WASHER SPECIAL	2 2	
26	EM137	TEE-BOLT 3/4-10X14"		
27	EM619	WASHER 3/4"	2	
28	EM968446	NUT HEX 3/4"-10 GR5	2	
30	EM14850	EXHAUST GATE "H/D"	1	
31	EM963180	CAPSCREW 3/4-10X5 HEX HD G8	1	
32	EM969038	NUT STOP REG.3/4-10	2	
33	EM14845	ARM CLAMP	1	
34	EM135	BOLT 1-1/4" -12X7" HEX HD.	1	
35	EM14810	SPRING	1	
36	EM451	NUT 1-1/4" -12 LOCK	1	
37	EM160	BOLT 3/8-16X3/4"	1	
38	EM509329	SCREW HHC 3/4-10X6	1	

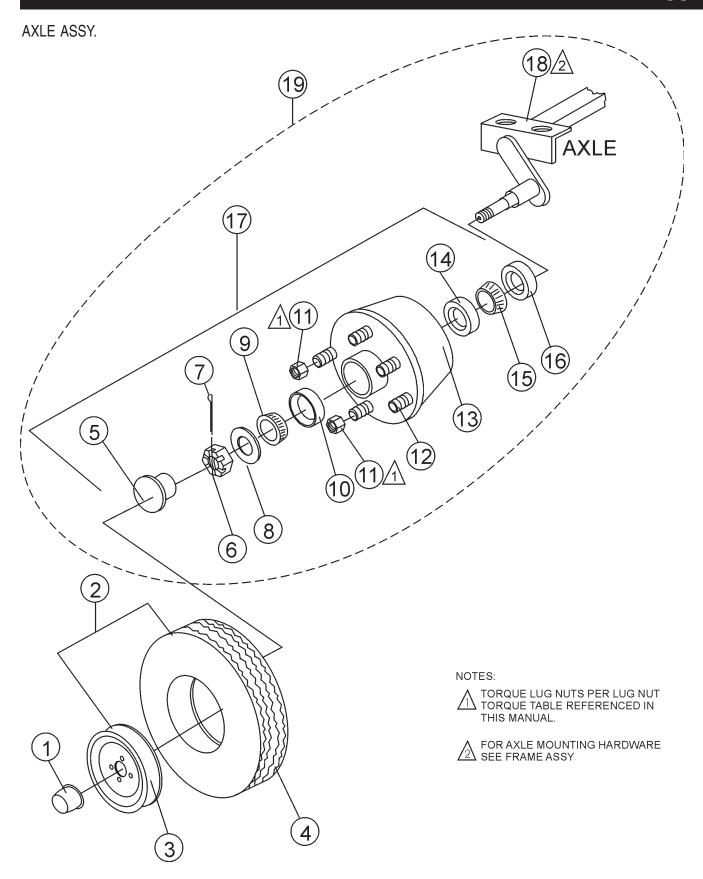
## FRAME ASSY.



# FRAME ASSY.

FR/	٩М	E	ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	EM513085	FRAME ASSEMBLY	1	
2	EM70186	JACK STAND, REAR	1	
3	EM744	CLEVIS PIN 1/2" X 4"	1	
4		HAIR PIN C 5/8- 3/4"	1	
5		AXLE, ASSEMBLY	1	
7	501299	WASHER THICK 1"	2	
8	491689	KEY COTTER 1/8 X 2	2	
10	EM492396		4	
11	EM621	WASHER .5"	4	
12	EM406	WASHER .5" NUT LOCK 1/2" DIA. FENDER RIGHT-SIDE	4	INIOLI IDEO ITEMANA
13	EM511418	FENDER RIGHT-SIDE	1	INCLUDES ITEM W/%
	518570	BRACKET LIGHT, SQUARE	2	FROM MARCH 2009
14	981635	BOLI, HHC 1/2- 13 X 3/4	6	
15	6109180	WASHER LOCK 1/2"	6	
16	EM512251	COVER	1	
17	EM512252	COVER	1	
18	EM512253	COVER	1	
19	EM512250	COVER	1	
20	EM492309	SCREW, HHC	16	
21	0166 A	WASHER, LOCK 3/8"	24	
22	EM512263	ROD	1	
23	EM507895	PLUG, 2 1/2 NPT	2	
26	29228	HITCH, TONGUE 2"	1	
27	EM969023	NUT, HEX 5/8" NC	2	
28	EM507658	SCREW, HHC 5/8" NC 4-1/2 G5		
29	EM509947	LINK, QUICK	2	
30	EM14165	BOLT EYE	2 2	
31	EM619	WASHER 3/4" WILLIAM	2	
32	EM968002 EM505121	NUT COUPLING 3/4- 10	2	
33 34		SCREW 3/4"- 10 X 3 GR.5 NUT STOP REG. 3/4- 10	2	
3 <del>4</del> 35	EM969038 EM513078	COVER, CHASSIS BOTTOM	1	
36	10136	WASHER, FLAT 3/8	8	
37	EM492264	HHCS. 3/8" NC X 1"	8	
38	EM929028	HOOD REST, STEEL	2	
39	492363	SCREW 5/16-18X3/4"	4	
40	EM923343	WASHER, LOCK	4	
41	EM265361	BRACKET LIGHT BOLIND	2	REFORE MARCH 2009
42	EM26536	TAILLIGHT ROLIND	2 2	BEFORE MARCH 2009
43	29242	TAIL LIGHT, ROUND TAIL LIGHT, SQ. (RIGHT-SIDE, CURB) TAIL LIGHT, SQ. (LEFT-SIDE, STREET)	2	FROM MARCH 2009
44	29243	TAIL LIGHT SO (LEFT-SIDE STREET)	2	FROM MARCH 2009
45	491010	HOOD FASTENER RUBBER	2	
46	EM513087	HOOD FASTENER, RUBBER FENDER LEFT-SIDE	_ 1 .	INCLUDES ITEM W/#
47	25610	JACK STAND, FRONT	1	
48	EM513199	BRACKET, CLUTCH SAFETY	1	
.0		2 (O. (L. ), O. (O. (1) O. (1) L. (1)	•	



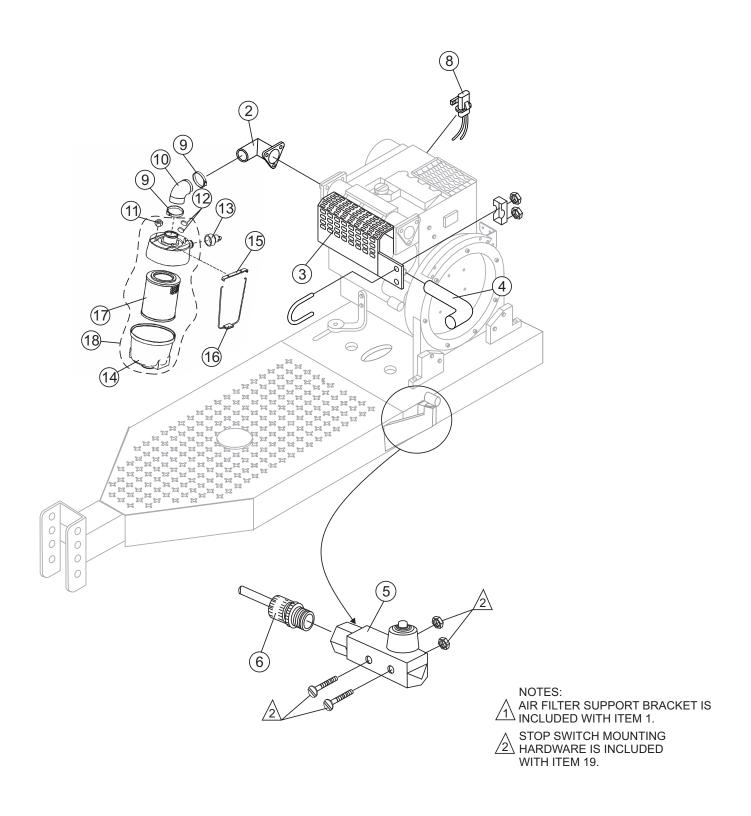
# AXLE ASSY.

# AXLE ASSY.

NO.	PART NO.	PART NAME	QTY.	<u>REMARKS</u>
1	EM26518	CAP 14" CHROME	2	
2	EM516478	TIRE ASSY	2	INCLUDES ITEMS W/*
3*		WHEEL	2	CANNOT BE PURCHASED SEPARATELY
4*		TIRE 14"	2	CANNOT BE PURCHASED SEPARATELY
5#	EM26306	DUST COVER	2	
6#	EM968481	CASTLE NUT	2	
7	EM705	PIN, COTTER 3/16X1-1/2	2	
8#	EM26329	WASHER	2	
9#	EM903113	OUTER BEARING	2	
10#	EM903012	OUTER CUP	2	
11#	EM26519	NUT	12	
12#	EM20612	STUD	12	
13#	EM26300	HUB	2	
14#	EM903169	INNER CUP	2	
15#	EM903168	INNER BEARING	2	
16#	EM26305	GREASE SEAL	2	
17%	EM20601	HUB ASSEMBLY	2	INCLUDES ITEMS W/#
18%	EM14600	AXLE	1	
19	EM14600A	AXLE WITH HUBS INSTALLED	1	INCLUDES ITEMS W/%

# MUFFLER, AIR FILTER, AND STOP SWITCH ASSY.

MUFFLER, AIR FILTER AND STOP SWITCH ASSY.

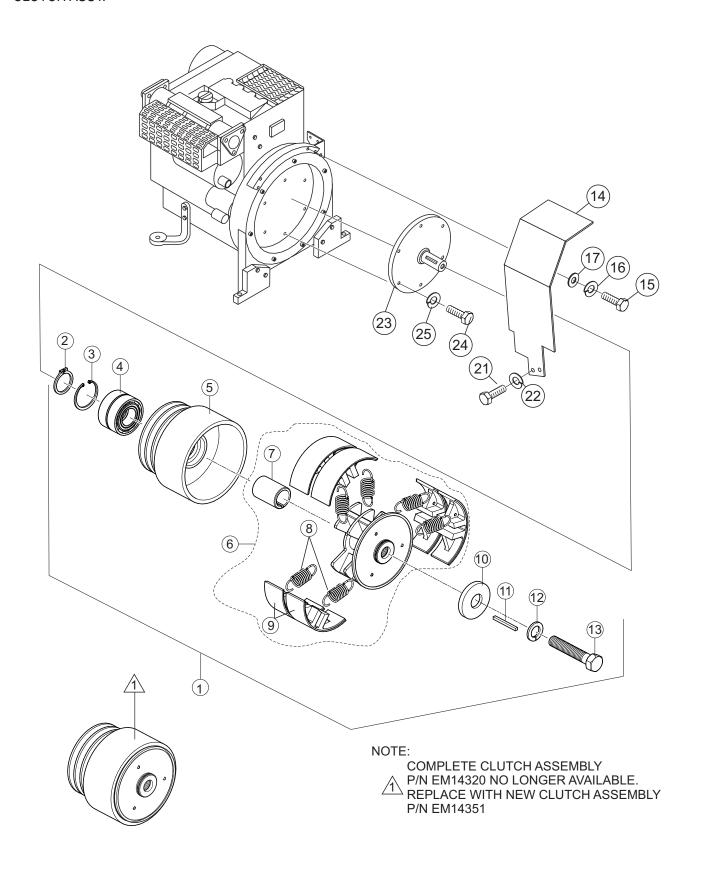


# MUFFLER, AIR FILTER, AND STOP SWITCH ASSY.

MUFFLER, AIR FILTER AND STOP SWITCH ASSY.

NO.	PART NO.	PART NAME	QTY.	<u>REMARKS</u>
1	EM98076	FILTER, AIR	1	
1A	EM98168	PRECLEANER, AIR FILTER	1	
2	513390	BRACKET, AIR CLEANER (PIPE)	1	
3	EM513474	MUFFLER COVER	1	
4	513196	MUFFLER PIPE	1	INCLUDED W/ ENGINE
5	EM14217	STOP SWITCH, ENGINE COVER	1	
6	EM491873	GLAND CONNECTOR	1	
7	506257	U-BOLT	1	
8	EM98066	FUSE HOLDER W/25A FUSE	1	
9	01173940	HOSE CLIP	2	
10	04172501	INTAKE ELBOW	1	
11*	01112824	HEX NUT	4	
12*	03363577	WASHER, FELT	2	
13	02165357	DUST EJECTOR	1	
14*	02240281	HOOD	1	
15	02240285	ANGLE PLATE	1	
16	02240283	CLAMPING YOKE	1	
17*	02339813	CARTRIDGE	1	
18	02169927	AIR CLEANER ASSY	1	INCLUDES ITEMS W/*

## CLUTCH ASSY.

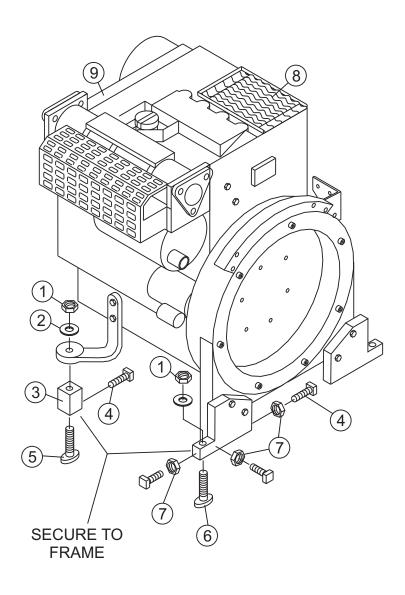


# CLUTCH ASSY.

## CLUTCH ASSY.

NO. PART NO. PART NAME QTY. REMARKS	
1 EM14351 CLUTCH ASSEMBLY COMPLETE 1 INCLUDES ITE!	MS W/%
2% EM01900311 SNAP RING 1	
3% EM01900312 SNAP RING 1	
4% 03000055 CLUTCH BEARING 1	
5% 01660010 CLUTCH HOUSING (DRUM) 1	
6% EMR60600304 ROTOR ASSEMBLY 1	MS W/#
7%# EM11300928 HUB 1	
8%# EM01030108 SPRING 6	
9%# EM11200200 SHOE 6	
10% WASHER 1	JRCHASED
SEPARATELY	
11% KEY 1 1	JRCHASED
SEPARATELY	
12% EM923346 WASHER, LOCK 1	
13% EM963105 RETAINING BOLT, HHCS 1/2-13X2 G5 1	
14 513199 GUARD, CLUTCH 1	
15 509252 SCREW, M10 X 20 P-1-1.58.8 2	
16 492625 WASHER, LOCK 7/16" 2	
17 3019092 WASHER, FLAT 3/8 2	
21 492357 BOLT, 1/4" NC X 1 GR 5 2	
22 2101402 WASHER, LOCK 1/4" 2	
23 EM512707 SHAFT STUB (FLANGE) ENGINE 1	
24 EM508342 SCREW, HHC M8X25 6	
25 0166 A WASHER, LOCK 3/8" 6	

ENGINE MOUNTING ASSY.

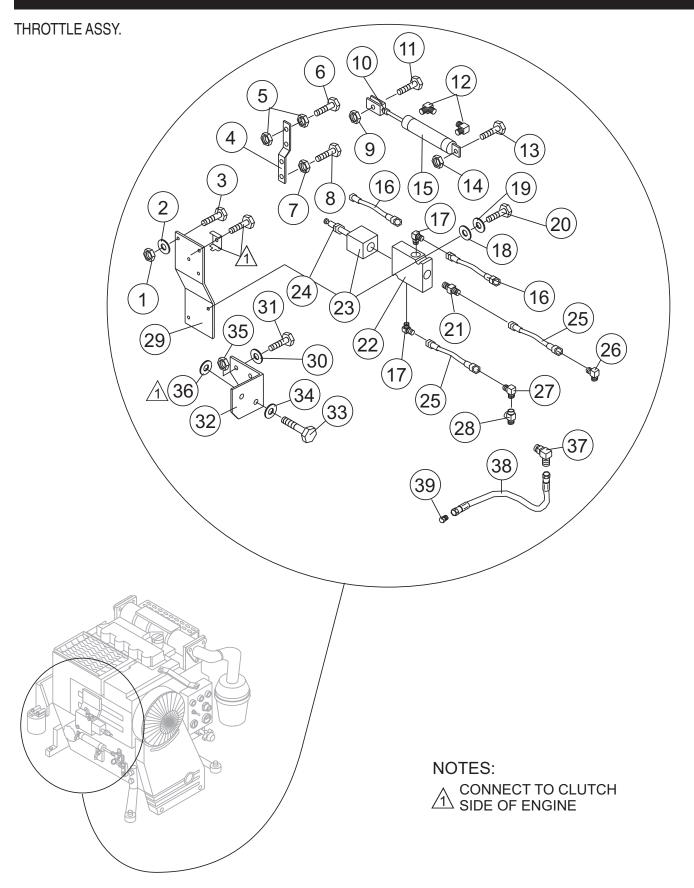


# **ENGINE MOUNTING ASSY.**

## ENGINE MOUNTING ASSY.

NO.	PART NO.	PART NAME	QTY.	<b>REMARKS</b>
1	492556	NUT, HEX 1/2 IN.	8	
2	492626	WASHER, LOCK 1/2 IN.	4	
3	513195	ENGINE SUPPORT BLOCK (SIDE)	2	
4	EM130	SQUARE HEAD BOLT 1/2 NC X 2-1/2 IN.	6	
5	513204	BOLT 1/2 NC X 5 IN.	2	
6	513095	BOLT, C/T 1/2 NC x 2 IN.	2	
7	513194	ENGINE SUPPORT BLOCK (REAR)	2	
8	4280937	OIL COOLER	1	
9	EM98190	DEUTZ ENGINE	1	

# THROTTLE ASSY.

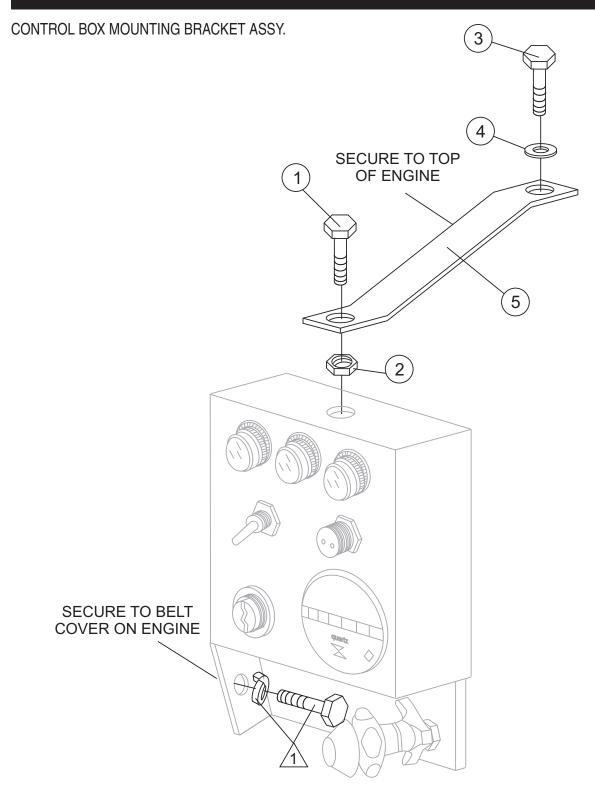


# THROTTLE ASSY.

## THROTTLE ASSY.

1 492582 NYLON LOCK NUT 1 2 505679 FLAT WASHER 5/16" 1 3 492363 SCREW 5/16" x 3/4" 1 4 512728 THROTTLE LEVER 1 5 492582 NUT 5/16" NC 2 6 492366 SCREW 5/16" x 1 1/2" 1 7 492622 LOCK WASHER 1/4" 1 8 506599 SCREW M6 x 15 1 9 492581 NYLON LOCK NUT 1/4" INS 1 10 EM400 NYLON LOCK NUT 1/4" HEX 1 11 492357 SCREW 1/4" x 1 1/4" 1 12 EM50449 FITTING 2 13 492358 SCREW 1/4" x 1 1/4" 1 14 492561 NYLON LOCK NUT 1/4" HEX 1 15 CC700 OIL CYLINDER 1 16 508443 HOSE 381-4 15" LONG 2 17 EM25429 FITTING 2 18 492596 FLAT WASHER 1/4" 1 19 492622 LOCK WASHER 1/4" 1 19 492622 LOCK WASHER 1/4" 1 20 492359 SCREW 1/4" x 1 1/2" 1 21 EM25511 FITTING 2 22 EM25571 BODY 118206-01 1 22 EM25576 HOSE 3/4" X 1 1/2" 1 23 EM98228 COLL WA 704107-12 1 24 EM98232 SPOOL 12 C51SM-10 1 25 EM25576 HOSE 3RLA-4F JX-20 2 26 EM25504 ELBOW 90 DEGREE 1 27 EM25577 FITTING 1 28 EM25577 FITTING 1 29 521730 SUPPORT, PISTON 1 30 505679 FLAT WASHER 5/16" 1 31 492369 SCREW 5/16" x 2 1/4" 1 32 512729 SUPPORT, PISTON 1 33 509252 SCREW 5/16" x 2 1/4" 1 34 492624 LOCK WASHER 5/16" 1 35 492598 WASHER, LOCK NUT 5/16" INS 1 36 492598 WASHER, LOCK NUT 5/16" INS 1 37 513222 FITTING 1 38 513219 HOSE 1	NO.	PART NO.	PART NAME	QTY.	REMARKS
2 505679 FLAT WASHER 5/16" 1 3 492363 SCREW 5/16" x 3/4" 1 4 512728 THROTTLE LEVER 1 5 492582 NUT 5/16" NC 2 6 492366 SCREW 5/16" x 1 1/2" 1 7 492622 LOCK WASHER 1/4" 1 8 506599 SCREW M6 x 15 1 9 492581 NYLON LOCK NUT 1/4" INS 1 10 EM400 NYLON LOCK NUT 1/4" HEX 1 11 492357 SCREW 1/4" x 1" 1 12 EM50449 FITTING 2 13 492358 SCREW 1/4" x 1 1/4" 1 14 492561 NYLON LOCK NUT 1/4" HEX 1 15 CC700 OIL CYLINDER 1 16 508443 HOSE 381-4 15" LONG 2 17 EM25429 FITTING 2 18 492596 FLAT WASHER 1/4" 1 19 492622 LOCK WASHER 1/4" 1 19 492625 LOCK WASHER 1/4" 1 20 492359 SCREW 1/4" x 1 1/2" 1 21 EM25511 FITTING 1 22 EM25571 BODY 118206-01 1 23 EM98228 COIL WA 704107-12 1 24 EM98232 SPOOL 12 C51 SM-10 1 25 EM25504 FLAT WASHER 5/16" 1 26 EM25504 FLAT WASHER 5/16" 1 27 EM25409 FITTING 1 28 EM98230 SPOOL 12 C51 SM-10 1 29 521730 SUPPORT, PISTON 1 31 492369 SCREW 5/16" x 2 1/4" 1 32 512729 SUPPORT, OIL FILTER 1 33 509252 SCREW M10 x 20 1 34 492589 WASHER 5/16" 1 35 492598 WASHER 5/16" 1 36 492598 WASHER 5/16" 1 37 513222 FITTING 1 38 513219 HOSE 1				1	
3	2			1	
4       512728       THROTTLE LEVER       1         5       492582       NUT 5/16" NC       2         6       492366       SCREW 5/16" x 1 1/2"       1         7       492622       LOCK WASHER 1/4"       1         8       506599       SCREW M6 x 15       1         9       492581       NYLON LOCK NUT 1/4" INS       1         10       EM400       NYLON LOCK NUT 1/4" HEX       1         11       492357       SCREW 1/4" x 1"       1         12       EM50449       FITTING       2         13       492358       SCREW 1/4" x 1 1/4"       1         14       492561       NYLON LOCK NUT 1/4" HEX       1         15       CC700       OIL CYLINDER       1         16       508443       HOSE .381-4 15" LONG       2         17       EM25429       FITTING       2         18       492596       FLAT WASHER 1/4"       1         19       492622       LOCK WASHER 1/4"       1         20       492359       SCREW 1/4" x 1 1/2"       1         21       EM25571       BODY 118206-01       1         23       EM98228       COIL WA 704107-12       1			SCREW 5/16" x 3/4"	1	
5       492582       NUT 5/16" NC       2         6       492366       SCREW 5/16" x 1 1/2"       1         7       492622       LOCK WASHER 1/4"       1         8       506599       SCREW M6 x 15       1         9       492581       NYLON LOCK NUT 1/4" IINS       1         10       EM400       NYLON LOCK NUT 1/4" HEX       1         11       492357       SCREW 1/4" x 1"       1         12       EM50449       FITTING       2         13       492358       SCREW 1/4" x 1 1/4"       1         14       492561       NYLON LOCK NUT 1/4" HEX       1         15       CC700       OIL CYLINDER       1         16       508443       HOSE 381-4 15" LONG       2         17       EM25429       FITTING       2         18       492596       FLAT WASHER 1/4"       1         19       492622       LOCK WASHER 1/4"       1         20       492359       SCREW 1/4" x 1 1/2"       1         21       EM25571       BODY 118206-01       1         22       EM25571       BODY 118206-01       1         23       EM25576       HOSE 3RLA-4F JX-20 <t< td=""><td></td><td></td><td>THROTTLE LEVER</td><td>1</td><td></td></t<>			THROTTLE LEVER	1	
6 492366 SCREW 5/16" x 1 1/2" 1 7 492622 LOCK WASHER 1/4" 1 8 506599 SCREW M6 x 15 1 9 492581 NYLON LOCK NUT 1/4" INS 1 10 EM400 NYLON LOCK NUT 1/4" HEX 1 11 492357 SCREW 1/4" x 1" 1 12 EM50449 FITTING 2 13 492358 SCREW 1/4" x 1 1/4" 1 14 492561 NYLON LOCK NUT 1/4" HEX 1 15 CC700 OIL CYLINDER 1 16 508443 HOSE 381-4 15" LONG 2 17 EM25429 FITTING 2 18 492596 FLAT WASHER 1/4" 1 19 492622 LOCK WASHER 1/4" 1 19 492622 LOCK WASHER 1/4" 1 20 492359 SCREW 1/4" x 1 1/2" 1 21 EM25511 FITTING 1 22 EM25571 BODY 118206-01 1 23 EM98228 COIL WA 704107-12 1 24 EM98232 SPOOL 12 C51SM-10 1 25 EM25576 HOSE 3RLA-4F JX-20 2 26 EM25504 ELBOW 90 DEGREE 1 27 EM50449 FITTING 1 28 EM25577 FITTING 1 29 521730 SUPPORT, PISTON 1 30 505679 FLAT WASHER 5/16" 1 31 492369 SCREW 5/16" x 2 1/4" 1 32 512729 SUPPORT, OIL FILTER 1 33 509252 SCREW 5/16" x 2 1/4" 1 34 492624 LOCK WASHER 3/8" 1 35 492598 WASHER, LOCK 3/4" ESP 1 37 513222 FITTING 1 38 513219 HOSE 1				2	
7		492366	SCREW 5/16" x 1 1/2"	1	
8 506599 SCREW M6 x 15 1 9 492581 NYLON LOCK NUT 1/4" INS 1 10 EM400 NYLON LOCK NUT 1/4" HEX 1 11 492357 SCREW 1/4" x 1" 1 12 EM50449 FITTING 2 13 492358 SCREW 1/4" x 1 1/4" 1 14 492561 NYLON LOCK NUT 1/4" HEX 1 15 CC700 OIL CYLINDER 1 16 508443 HOSE .381-4 15" LONG 2 17 EM25429 FITTING 2 18 492596 FLAT WASHER 1/4" 1 19 492622 LOCK WASHER 1/4" 1 19 492622 LOCK WASHER 1/4" 1 20 492359 SCREW 1/4" x 1 1/2" 1 21 EM25511 FITTING 1 22 EM25571 BODY 118206-01 1 23 EM98228 COIL WA 704107-12 1 24 EM98232 SPOOL 12 C51SM-10 1 25 EM25576 HOSE 3RLA-4F JX-20 2 26 EM25576 HOSE 3RLA-4F JX-20 2 26 EM25577 FITTING 1 27 EM50449 FITTING 1 28 EM25577 FITTING 1 29 521730 SUPPORT, PISTON 1 30 505679 FLAT WASHER 5/16" 1 31 492369 SCREW M10 x 20 1 34 492624 LOCK WASHER 3/8" 1 35 492582 NYLON LOCK NUT 5/16" INS 1 36 492598 WASHER, LOCK 3/4" ESP 1 37 513222 FITTING 1 38 513219 HOSE 1		492622	LOCK WASHER 1/4"	1	
9	8	506599	SCREW M6 x 15	1	
10       EM400       NYLON LOCK NUT 1/4" HEX       1         11       492357       SCREW 1/4"x 1"       1         12       EM50449       FITTING       2         13       492358       SCREW 1/4" x 1 1/4"       1         14       492561       NYLON LOCK NUT 1/4" HEX       1         15       CC700       OIL CYLINDER       1         16       508443       HOSE .381-4 15" LONG       2         17       EM25429       FITTING       2         18       492596       FLAT WASHER 1/4"       1         19       492622       LOCK WASHER 1/4"       1         20       492359       SCREW 1/4" x 1 1/2"       1         21       EM25511       FITTING       1         22       EM25571       BODY 118206-01       1         23       EM98228       COIL WA 704107-12       1         24       EM98232       SPOOL 12 C51SM-10       1         25       EM25576       HOSE 3RLA-4F JX-20       2         26       EM25576       HOSE 3RLA-4F JX-20       2         27       EM50449       FITTING       1         28       EM25577       FITTING       1 <td></td> <td>492581</td> <td>NYLON LOCK NUT 1/4" INS</td> <td>1</td> <td></td>		492581	NYLON LOCK NUT 1/4" INS	1	
11       492357       SCREW 1/4"x 1"       1         12       EM50449       FITTING       2         13       492358       SCREW 1/4"x 1 1/4"       1         14       492561       NYLON LOCK NUT 1/4" HEX       1         15       CC700       OIL CYLINDER       1         16       508443       HOSE .381-4 15" LONG       2         17       EM25429       FITTING       2         18       492596       FLAT WASHER 1/4"       1         19       492622       LOCK WASHER 1/4"       1         20       492359       SCREW 1/4" x 1 1/2"       1         21       EM25511       FITTING       1         22       EM25571       BODY 118206-01       1         23       EM98232       SPOOL 12 C51SM-10       1         24       EM98232       SPOOL 12 C51SM-10       1         25       EM25576       HOSE 3RLA-4F JX-20       2         26       EM25504       ELBOW 90 DEGREE       1         27       EM50449       FITTING       1         28       EM25577       FITTING       1         30       505679       FLAT WASHER 5/16"       1 <t< td=""><td></td><td>EM400</td><td>NYLON LOCK NUT 1/4" HEX</td><td>1</td><td></td></t<>		EM400	NYLON LOCK NUT 1/4" HEX	1	
13		492357	SCREW 1/4"x 1"	1	
14 492561 NYLON LOCK NUT 1/4" HEX 1 15 CC700 OIL CYLINDER 1 16 508443 HOSE .381-4 15" LONG 2 17 EM25429 FITTING 2 18 492596 FLAT WASHER 1/4" 1 19 492622 LOCK WASHER 1/4" 1 20 492359 SCREW 1/4" x 1 1/2" 1 21 EM25511 FITTING 1 22 EM25571 BODY 118206-01 1 23 EM98228 COIL WA 704107-12 1 24 EM98232 SPOOL 12 C51SM-10 1 25 EM25576 HOSE 3RLA-4F JX-20 2 26 EM25504 ELBOW 90 DEGREE 1 27 EM50449 FITTING 1 28 EM25577 FITTING 1 29 521730 SUPPORT, PISTON 1 30 505679 FLAT WASHER 5/16" 1 31 492369 SCREW 5/16" x 2 1/4" 1 32 512729 SUPPORT, OIL FILTER 1 33 509252 SCREW M10 x 20 1 34 492624 LOCK WASHER 3/8" 1 35 492598 WASHER, LOCK 3/4" ESP 1 37 513222 FITTING 1 38 513219 HOSE 1	12	EM50449	FITTING	2	
15       CC700       OIL CYLINDER       1         16       508443       HOSE .381-4 15" LONG       2         17       EM25429       FITTING       2         18       492596       FLAT WASHER 1/4"       1         19       492622       LOCK WASHER 1/4"       1         20       492359       SCREW 1/4" x 1 1/2"       1         21       EM25511       FITTING       1         22       EM25571       BODY 118206-01       1         23       EM98228       COIL WA 704107-12       1         24       EM98232       SPOOL 12 C51SM-10       1         25       EM25576       HOSE 3RLA-4F JX-20       2         26       EM25504       ELBOW 90 DEGREE       1         27       EM50449       FITTING ELBOW       1         28       EM25577       FITTING       1         29       521730       SUPPORT, PISTON       1         30       505679       FLAT WASHER 5/16"       1         31       492369       SCREW 5/16" x 2 1/4"       1         32       512729       SUPPORT, OIL FILTER       1         33       509252       SCREW M10 x 20       1     <	13	492358	SCREW 1/4" x 1 1/4"	1	
16       508443       HOSE .381-4 15" LONG       2         17       EM25429       FITTING       2         18       492596       FLAT WASHER 1/4"       1         19       492622       LOCK WASHER 1/4"       1         20       492359       SCREW 1/4" x 1 1/2"       1         21       EM25511       FITTING       1         22       EM25571       BODY 118206-01       1         23       EM98228       COIL WA 704107-12       1         24       EM98232       SPOOL 12 C51SM-10       1         25       EM25576       HOSE 3RLA-4F JX-20       2         26       EM25504       ELBOW 90 DEGREE       1         27       EM50449       FITTING ELBOW       1         28       EM25577       FITTING       1         29       521730       SUPPORT, PISTON       1         30       505679       FLAT WASHER 5/16"       1         31       492369       SCREW 5/16" x 2 1/4"       1         32       512729       SUPPORT, OIL FILTER       1         33       509252       SCREW M10 x 20       1         34       492624       LOCK WASHER 3/8"       1	14	492561	NYLON LOCK NUT 1/4" HEX	1	
17       EM25429       FITTING       2         18       492596       FLAT WASHER 1/4"       1         19       492622       LOCK WASHER 1/4"       1         20       492359       SCREW 1/4" x 1 1/2"       1         21       EM25511       FITTING       1         22       EM25571       BODY 118206-01       1         23       EM98228       COIL WA 704107-12       1         24       EM98232       SPOOL 12 C51SM-10       1         25       EM25576       HOSE 3RLA-4F JX-20       2         26       EM25504       ELBOW 90 DEGREE       1         27       EM50449       FITTING       1         28       EM25577       FITTING       1         29       521730       SUPPORT, PISTON       1         30       505679       FLAT WASHER 5/16"       1         31       492369       SCREW 5/16" x 2 1/4"       1         32       512729       SUPPORT, OIL FILTER       1         33       509252       SCREW M10 x 20       1         34       492624       LOCK WASHER 3/8"       1         35       492582       NYLON LOCK NUT 5/16" INS       1	15	CC700	OIL CYLINDER	1	
18       492596       FLAT WASHER 1/4"       1         19       492622       LOCK WASHER 1/4"       1         20       492359       SCREW 1/4" x 1 1/2"       1         21       EM25511       FITTING       1         22       EM25571       BODY 118206-01       1         23       EM98228       COIL WA 704107-12       1         24       EM98232       SPOOL 12 C51SM-10       1         25       EM25576       HOSE 3RLA-4F JX-20       2         26       EM25504       ELBOW 90 DEGREE       1         27       EM50449       FITTING ELBOW       1         28       EM25577       FITTING       1         29       521730       SUPPORT, PISTON       1         30       505679       FLAT WASHER 5/16"       1         31       492369       SCREW 5/16" x 2 1/4"       1         32       512729       SUPPORT, OIL FILTER       1         33       509252       SCREW M10 x 20       1         34       492624       LOCK WASHER 3/8"       1         35       492582       NYLON LOCK NUT 5/16" INS       1         36       492598       WASHER, LOCK 3/4" ESP	16	508443	HOSE .381-4 15" LONG	2	
19 492622 LOCK WASHER 1/4" 1 20 492359 SCREW 1/4" x 1 1/2" 1 21 EM25511 FITTING 1 22 EM25571 BODY 118206-01 1 23 EM98228 COIL WA 704107-12 1 24 EM98232 SPOOL 12 C51SM-10 1 25 EM25576 HOSE 3RLA-4F JX-20 2 26 EM25504 ELBOW 90 DEGREE 1 27 EM50449 FITTING ELBOW 1 28 EM25577 FITTING 1 29 521730 SUPPORT, PISTON 1 30 505679 FLAT WASHER 5/16" 1 31 492369 SCREW 5/16" x 2 1/4" 1 32 512729 SUPPORT, OIL FILTER 1 33 509252 SCREW M10 x 20 1 34 492624 LOCK WASHER 3/8" 1 35 492582 NYLON LOCK NUT 5/16" INS 1 36 492598 WASHER, LOCK 3/4" ESP 1 37 513222 FITTING 1 38 513219 HOSE 1	17	EM25429	FITTING	2	
20       492359       SCREW 1/4" x 1 1/2"       1         21       EM25511       FITTING       1         22       EM25571       BODY 118206-01       1         23       EM98228       COIL WA 704107-12       1         24       EM98232       SPOOL 12 C51SM-10       1         25       EM25576       HOSE 3RLA-4F JX-20       2         26       EM25504       ELBOW 90 DEGREE       1         27       EM50449       FITTING ELBOW       1         28       EM25577       FITTING       1         29       521730       SUPPORT, PISTON       1         30       505679       FLAT WASHER 5/16"       1         31       492369       SCREW 5/16" x 2 1/4"       1         32       512729       SUPPORT, OIL FILTER       1         33       509252       SCREW M10 x 20       1         34       492624       LOCK WASHER 3/8"       1         35       492582       NYLON LOCK NUT 5/16" INS       1         36       492598       WASHER, LOCK 3/4" ESP       1         37       513222       FITTING       1         38       513219       HOSE       1	18	492596	FLAT WASHER 1/4"	1	
21       EM25511       FITTING       1         22       EM25571       BODY 118206-01       1         23       EM98228       COIL WA 704107-12       1         24       EM98232       SPOOL 12 C51SM-10       1         25       EM25576       HOSE 3RLA-4F JX-20       2         26       EM25504       ELBOW 90 DEGREE       1         27       EM50449       FITTING ELBOW       1         28       EM25577       FITTING       1         29       521730       SUPPORT, PISTON       1         30       505679       FLAT WASHER 5/16"       1         31       492369       SCREW 5/16" x 2 1/4"       1         32       512729       SUPPORT, OIL FILTER       1         33       509252       SCREW M10 x 20       1         34       492624       LOCK WASHER 3/8"       1         35       492582       NYLON LOCK NUT 5/16" INS       1         36       492598       WASHER, LOCK 3/4" ESP       1         37       513222       FITTING       1         38       513219       HOSE       1	19	492622	LOCK WASHER 1/4"	1	
22       EM25571       BODY 118206-01       1         23       EM98228       COIL WA 704107-12       1         24       EM98232       SPOOL 12 C51SM-10       1         25       EM25576       HOSE 3RLA-4F JX-20       2         26       EM25504       ELBOW 90 DEGREE       1         27       EM50449       FITTING ELBOW       1         28       EM25577       FITTING       1         29       521730       SUPPORT, PISTON       1         30       505679       FLAT WASHER 5/16"       1         31       492369       SCREW 5/16" x 2 1/4"       1         32       512729       SUPPORT, OIL FILTER       1         33       509252       SCREW M10 x 20       1         34       492624       LOCK WASHER 3/8"       1         35       492582       NYLON LOCK NUT 5/16" INS       1         36       492598       WASHER, LOCK 3/4" ESP       1         37       513222       FITTING       1         38       513219       HOSE       1	20	492359	SCREW 1/4" x 1 1/2"	1	
23       EM98228       COIL WA 704107-12       1         24       EM98232       SPOOL 12 C51SM-10       1         25       EM25576       HOSE 3RLA-4F JX-20       2         26       EM25504       ELBOW 90 DEGREE       1         27       EM50449       FITTING ELBOW       1         28       EM25577       FITTING       1         29       521730       SUPPORT, PISTON       1         30       505679       FLAT WASHER 5/16"       1         31       492369       SCREW 5/16" x 2 1/4"       1         32       512729       SUPPORT, OIL FILTER       1         33       509252       SCREW M10 x 20       1         34       492624       LOCK WASHER 3/8"       1         35       492582       NYLON LOCK NUT 5/16" INS       1         36       492598       WASHER, LOCK 3/4" ESP       1         37       513222       FITTING       1         38       513219       HOSE       1	21	EM25511	FITTING	1	
24       EM98232       SPOOL 12 C51SM-10       1         25       EM25576       HOSE 3RLA-4F JX-20       2         26       EM25504       ELBOW 90 DEGREE       1         27       EM50449       FITTING ELBOW       1         28       EM25577       FITTING       1         29       521730       SUPPORT, PISTON       1         30       505679       FLAT WASHER 5/16"       1         31       492369       SCREW 5/16" x 2 1/4"       1         32       512729       SUPPORT, OIL FILTER       1         33       509252       SCREW M10 x 20       1         34       492624       LOCK WASHER 3/8"       1         35       492582       NYLON LOCK NUT 5/16" INS       1         36       492598       WASHER, LOCK 3/4" ESP       1         37       513222       FITTING       1         38       513219       HOSE       1	22	EM25571	BODY 118206-01	1	
25       EM25576       HOSE 3RLA-4F JX-20       2         26       EM25504       ELBOW 90 DEGREE       1         27       EM50449       FITTING ELBOW       1         28       EM25577       FITTING       1         29       521730       SUPPORT, PISTON       1         30       505679       FLAT WASHER 5/16"       1         31       492369       SCREW 5/16" x 2 1/4"       1         32       512729       SUPPORT, OIL FILTER       1         33       509252       SCREW M10 x 20       1         34       492624       LOCK WASHER 3/8"       1         35       492582       NYLON LOCK NUT 5/16" INS       1         36       492598       WASHER, LOCK 3/4" ESP       1         37       513222       FITTING       1         38       513219       HOSE       1	23	EM98228	COIL WA 704107-12	1	
26       EM25504       ELBOW 90 DEGREE       1         27       EM50449       FITTING ELBOW       1         28       EM25577       FITTING       1         29       521730       SUPPORT, PISTON       1         30       505679       FLAT WASHER 5/16"       1         31       492369       SCREW 5/16" x 2 1/4"       1         32       512729       SUPPORT, OIL FILTER       1         33       509252       SCREW M10 x 20       1         34       492624       LOCK WASHER 3/8"       1         35       492582       NYLON LOCK NUT 5/16" INS       1         36       492598       WASHER, LOCK 3/4" ESP       1         37       513222       FITTING       1         38       513219       HOSE       1	24	EM98232	SPOOL 12 C51SM-10	1	
27       EM50449       FITTING ELBOW       1         28       EM25577       FITTING       1         29       521730       SUPPORT, PISTON       1         30       505679       FLAT WASHER 5/16"       1         31       492369       SCREW 5/16" x 2 1/4"       1         32       512729       SUPPORT, OIL FILTER       1         33       509252       SCREW M10 x 20       1         34       492624       LOCK WASHER 3/8"       1         35       492582       NYLON LOCK NUT 5/16" INS       1         36       492598       WASHER, LOCK 3/4" ESP       1         37       513222       FITTING       1         38       513219       HOSE       1	25	EM25576	HOSE 3RLA-4F JX-20	2	
28       EM25577       FITTING       1         29       521730       SUPPORT, PISTON       1         30       505679       FLAT WASHER 5/16"       1         31       492369       SCREW 5/16" x 2 1/4"       1         32       512729       SUPPORT, OIL FILTER       1         33       509252       SCREW M10 x 20       1         34       492624       LOCK WASHER 3/8"       1         35       492582       NYLON LOCK NUT 5/16" INS       1         36       492598       WASHER, LOCK 3/4" ESP       1         37       513222       FITTING       1         38       513219       HOSE       1	26	EM25504	ELBOW 90 DEGREE	1	
29       521730       SUPPORT, PISTON       1         30       505679       FLAT WASHER 5/16"       1         31       492369       SCREW 5/16" x 2 1/4"       1         32       512729       SUPPORT, OIL FILTER       1         33       509252       SCREW M10 x 20       1         34       492624       LOCK WASHER 3/8"       1         35       492582       NYLON LOCK NUT 5/16" INS       1         36       492598       WASHER, LOCK 3/4" ESP       1         37       513222       FITTING       1         38       513219       HOSE       1	27	EM50449	FITTING ELBOW	1	
30       505679       FLAT WASHER 5/16"       1         31       492369       SCREW 5/16" x 2 1/4"       1         32       512729       SUPPORT, OIL FILTER       1         33       509252       SCREW M10 x 20       1         34       492624       LOCK WASHER 3/8"       1         35       492582       NYLON LOCK NUT 5/16" INS       1         36       492598       WASHER, LOCK 3/4" ESP       1         37       513222       FITTING       1         38       513219       HOSE       1	28	EM25577	FITTING	1	
31       492369       SCREW 5/16" x 2 1/4"       1         32       512729       SUPPORT, OIL FILTER       1         33       509252       SCREW M10 x 20       1         34       492624       LOCK WASHER 3/8"       1         35       492582       NYLON LOCK NUT 5/16" INS       1         36       492598       WASHER, LOCK 3/4" ESP       1         37       513222       FITTING       1         38       513219       HOSE       1	29	521730	SUPPORT, PISTON	1	
32       512729       SUPPORT, OIL FILTER       1         33       509252       SCREW M10 x 20       1         34       492624       LOCK WASHER 3/8"       1         35       492582       NYLON LOCK NUT 5/16" INS       1         36       492598       WASHER, LOCK 3/4" ESP       1         37       513222       FITTING       1         38       513219       HOSE       1	30	505679	FLAT WASHER 5/16"	1	
33       509252       SCREW M10 x 20       1         34       492624       LOCK WASHER 3/8"       1         35       492582       NYLON LOCK NUT 5/16" INS       1         36       492598       WASHER, LOCK 3/4" ESP       1         37       513222       FITTING       1         38       513219       HOSE       1	31	492369	SCREW 5/16" x 2 1/4"	1	
34       492624       LOCK WASHER 3/8"       1         35       492582       NYLON LOCK NUT 5/16" INS       1         36       492598       WASHER, LOCK 3/4" ESP       1         37       513222       FITTING       1         38       513219       HOSE       1	32	512729	SUPPORT, OIL FILTER	1	
35       492582       NYLON LOCK NUT 5/16" INS       1         36       492598       WASHER, LOCK 3/4" ESP       1         37       513222       FITTING       1         38       513219       HOSE       1	33	509252	SCREW M10 x 20	1	
36       492598       WASHER, LOCK 3/4" ESP       1         37       513222       FITTING       1         38       513219       HOSE       1	34	492624	LOCK WASHER 3/8"	1	
37 513222 FITTING 1 38 513219 HOSE 1	35	492582	NYLON LOCK NUT 5/16" INS	1	
38 513219 HOSE 1	36	492598	WASHER, LOCK 3/4" ESP	1	
	37	513222	FITTING	1	
39 513218 FITTING 1	38	513219	HOSE	1	
	39	513218	FITTING	1	

# CONTROL BOX MOUNTING BRACKET ASSY.



NOTES:

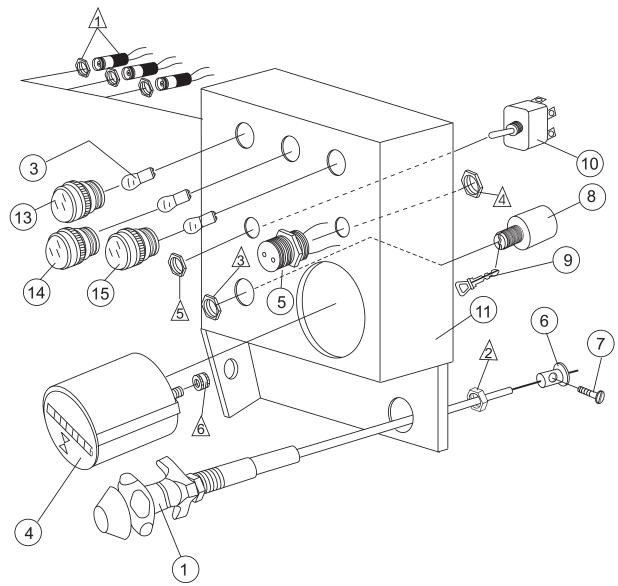
1 COMES WITH ENGINE

# CONTROL BOX MOUNTING BRACKET ASSY.

## CONTROL BOX MOUNTING BRACKET ASSY.

NO.	PART NO.	PART NAME	QTY.	<b>REMARKS</b>
1	492363	SCREW, HHC 5/16- 18 X 3/4"	1	
2	492582	NUT, NYLOC 5/16- 18	1	
3	506559	SCREW, HHC M6 X 20 P-1	1	
4	492596	WASHER, FLAT 1/4"	1	
5	513380	SUPPORT, CONTROL PANEL	1	

## CONTROL BOX ASSY.



NOTES:

LAMP HOLDER INCLUDED WITH ITEMS 13, 14, & 15

NCLUDED WITH ITEM 1, THROTTLE CABLE P/N 510229

MINCLUDED WITH ITEM 8, IGNITION SWITCH P/N 10958

INCLUDED WITH ITEM 5,
REMOTE OUTLET PLUG P/N Em26789

INCLUDED WITH ITEM 10,
5 PUMPING CONTROL SWITCH P/N 40711

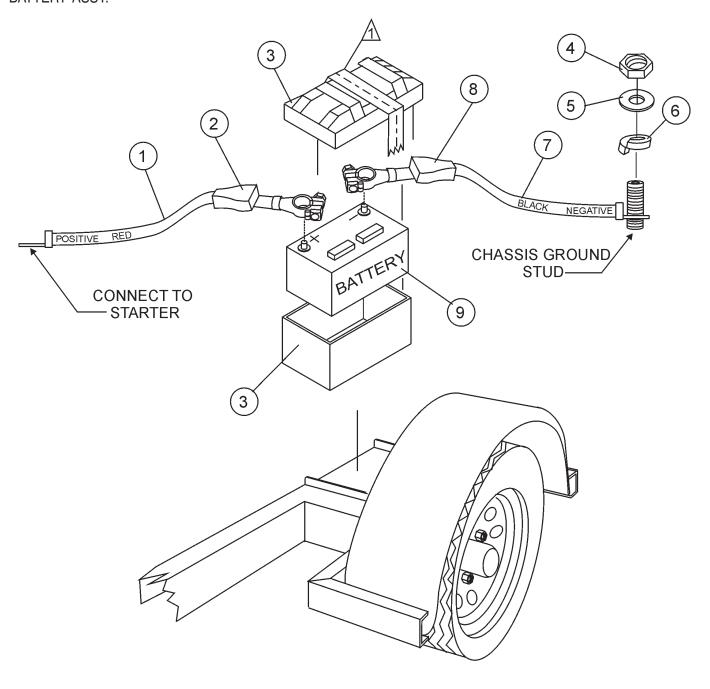
INCLUDED WITH ITEM 4, HOUR METER P/N 506222

# CONTROL BOX ASSY.

## CONTROL BOX ASSY.

NO.	PART NO.	PART NAME	QTY.	<b>REMARKS</b>
1	510229	THROTTLE CABLE ASSY.	1	
3	01180677	12 VDC BULB	3	
4	506222	HOURMETER	1	
5	EM26789	RECEPTACLE (REMOTE)	1	
6	EM501102	LOCK, ACCELERATOR COUPLING	1	
7	EM491089	SCREW, 1/4"	1	
8	0302735	IGNITION SWITCH	1	
9	0302736	IGNITION SWITCH KEY	1	
10	EM40711	SWITCH, PUMPING CONTROL	1	
11	EM513076	CONTROL BOX	1	
13	01180383	RED PILOT LENS (OIL PRESSURE)	1	
14	01180384	RED PILOT LENS (BATTERY)	1	
15	01180382	RED PILOT LENS (OIL TEMPERATURE)	1	

## BATTERY ASSY.



## NOTES:

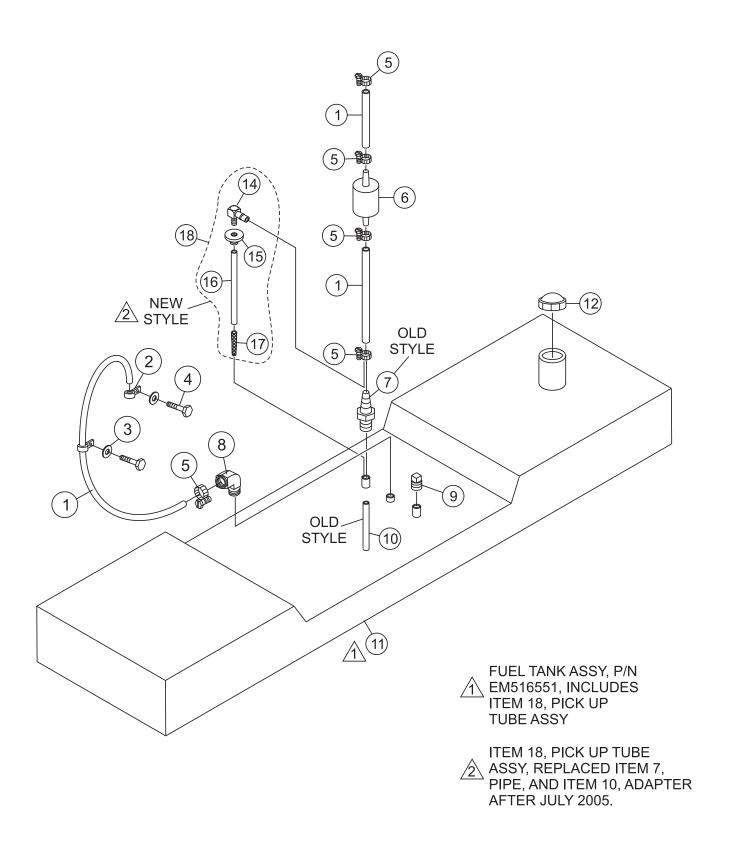
BATTERY HOLD-DOWN STRAP IS INCLUDED WITH ITEM 3, P/N 34506

# BATTERY ASSY.

## BATTERY ASSY.

NO.	PART NO.	PART NAME	QTY.	<b>REMARKS</b>
1	EM14705	CABLE, POSITIVE BATTERY	1	
2	EM506266	COVER, POSITIVE TERMINAL	1	
3	34506	BOX, BATTERY	1	
4	EM492541	NUT, HEX 5/16- 18	1	
5	EM923023	WASHER, FLAT 5/16	1	
6	EM923343	WASHER, LOCK 5/16	1	
7	EM20720	CABLE, NEGATIVE BATTERY	1	
8	EM505624	COVER, NEGATIVE TERMINAL	1	
9	EM491344	BATTERY, 12 VOLT	1	

## FUEL TANK ASSY.

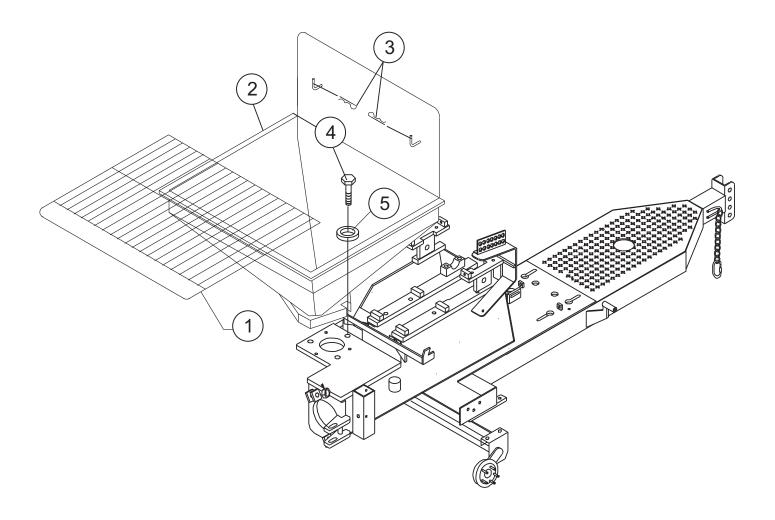


# **FUELTANK ASSY.**

## FUEL TANK ASSY.

NO.	PART NO.	PART NAME	QTY.	<u>REMARKS</u>
1	6636A	HOSE, FUEL LINE 5/16"	A/R?	
2	TBD	CLAMP, HOSE	2	
3	TBD	WASHER, FLAT	2	
4	TBD	BOLT	2	
5	6109152	CLAMP, HOSE	5	
6	EM20763	FILTER, FUEL	1	
7	EM513115	ADAPTER NLA	1	BEFORE JULY 2005
8	EM20426	FITTING 1/4"	1	
9	EM491210	PLUG, 1/4"	1	
10	EM505594	PIPE, 5/16 COPPER NLA	1	BEFORE JULY 2005
11	EM514722	FUELTANK	1	BEFORE JULY 2005
11	EM516551	FUEL TANK ASSY	1	INCLUDES ITEM 18
				AFTER JULY 2005
12	42799	CAP, FUEL	1	
14#	516568	FITTING 5/16"		
15#	19633	BUSHING	1	AFTER JULY 2005
16#	60058	HOSE, 4-1/2"	1	AFTER JULY 2005
17#	12009	SCREEN	1	AFTER JULY 2005
18	EM516533	PICK UP TUBE ASSY	1	INCLUDES ITEMS W/#
				AFTER JULY 2005

HOPPER ASSY.

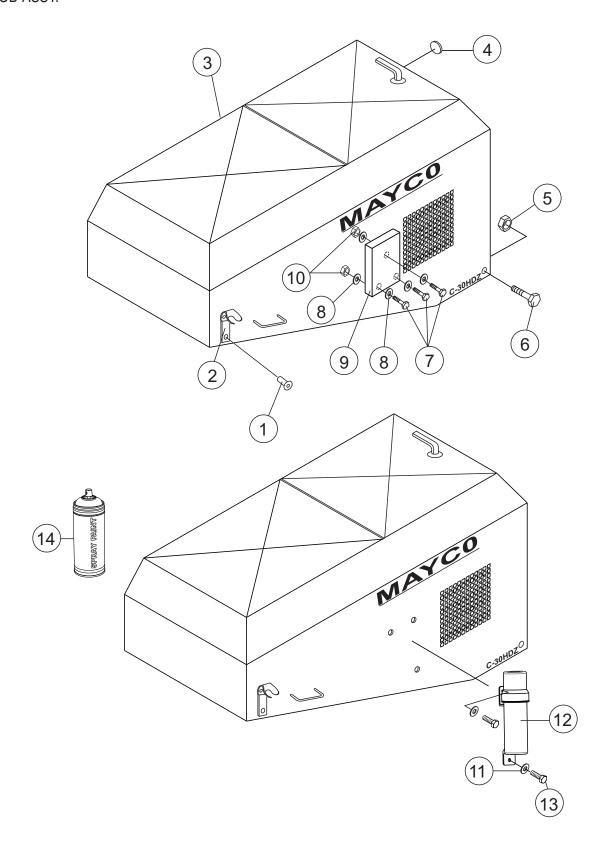


# HOPPER ASSY.

## HOPPER ASSY.

NO.	PART NO.	PART NAME	QTY.	<b>REMARKS</b>
1	EM14159	HOPPER SCREEN	1	
2	EM14141	HOPPER	1	
3	EM925191	PIN, HAIR	2	
4	EM104	BOLT, 5/8"-11X2" HEX HEAD	3	
5	EM507599	WASHER 5/8" FLAT	3	

HOOD ASSY.

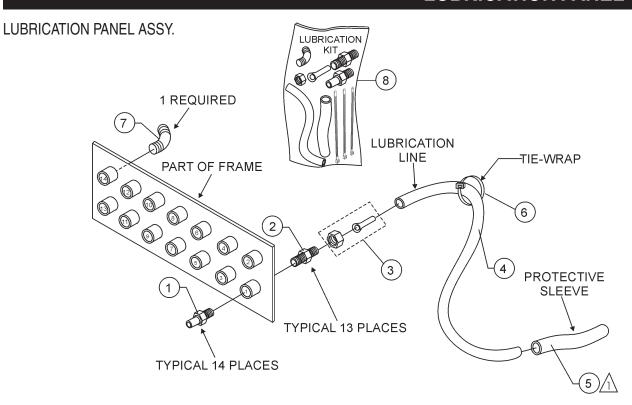


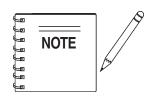
# HOOD ASSY.

## HOOD ASSY.

NO.	PART NO.	PART NAME	QTY.	<u>REMARKS</u>
1	503723	RIVET	4	
2	491010	LATCH KIT, RUBBER		
2	EM517295	LATCH KIT, STEEL	2	FROM MARCH 2009
3	EM14140	HOOD ASSY., RUBBER LATCH	1	BEFORE MARCH 2009
3	EM511438R	HOOD ASSY., STEEL LATCH	1	FROM MARCH 2009
4	490937	BUMPER, RUBBER	2	
5	EM406	NUT 1/2"-13 HEAVY HEX	2	
6	EM124	BOLT 1/2" DIA-NC X4" G5	2	
7	EM963003	SCREW, HHC 1/4-20 X 3/4	3	
8	EM923057	WASHER	3	
9	29057	MANUAL HOLDER	1	BEFORE MARCH 2009
10	EM969079	NUT LOC NYLON 1/4"	3	
11	492596	WASHER, FLAT 1/4"	3	
12	23297	MANUAL HOLDER	1	FROM MARCH 2009
13	EM963003	SCREW, HHC 1/4-20 X 3/4	3	
14	RAL1003S	PAINT, SPRAY CAN 12 OZ. (YELLOW)	AR	

# LUBRICATION PANEL ASSY.





Grease *daily*, two to three shots of #2 multi-purpose automotive grease. Over-greasing any bearing will not damage the machine.

NOTES:

A PLACE PROTECTIVE SLEEVE OVER LUBRICATION LINES 1 THROUGH 6.

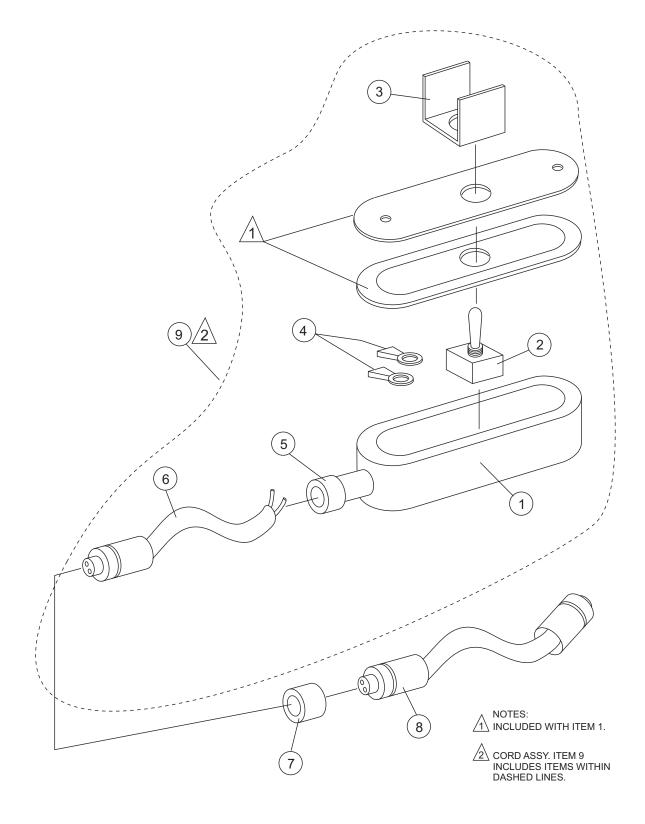
POSITION	LOCATION	<b>LENGTH OF LINES</b>
1	COMPENSATOR ROD	28"
2	COMPENSATOR ROD	31"
3	COMPENSATOR ROD	28"
4	LOWER ROCKER ARM COMPENSATOR ROD	34"
5	LOWER CONNECTING ROD- DRIVE SIDE	10"
6	LOWER ROCKER ARM - DRIVE SIDE	15"
7	UPPER ROCKER ARM - COMPENSATOR SIDE	28"
8	UPPER ROCKER ARM - DRIVE SIDE	26"
9	COUNTER SHAFT BEARING - SPROCKET SIDE	20"
10	COUNTER SHAFT - PULLEY SIDE	20"
11	UPPER CONNECTING ROD - DRIVE SIDE	40"
12	CRANKSHAFT BEARING BLOCK	42"
13	CAM BEARING	42"
14	CRANKSHAFT BEARING FLANGE	20"
	TOTAL LENGTH OF LINES REQUIRED	384"

# LUBRICATION PANEL ASSY.

## LUBRICATION PANEL ASSY.

NO.	PART NO.	PART NAME	QTY.	<u>REMARKS</u>
1*	EM916001	FITTING, GREASE 1/8" NPT	14	
2*	EM505489	STRAIGHT FITTING 1/8" NPT	13	
3*	505534	COUPLING W/NUT 1/8' NPT	14	
4*	EM505516	PLASTIC HOSE LINE 1/4" DIA	AR	. 1FT=1PC
5*	EM490531	PROTECTIVE SLEEVE 3/8" (HOSE)	AR	. 1FT=1PC
6*	EM491028	TIE-WRAP 2.5 x 95 MM	AR	
7 <b>*</b>	EM505490	ADAPTER, 90 DEGREE ELBOW	1	
8	EM512659	KIT, LUBRICATION	1	. INCLUDES ITEMS W/*

## REMOTE CONTROL CABLE ASSY.



# REMOTE CONTROL CABLE ASSY.

## REMOTE CONTROL CABLE ASSY.

NO.	PART NO.	PART NAME	QTY.	<u>REMARKS</u>
1*	EM16753	JUNCTION BOX	1	
2*	EM16754	SWITCH, MICRO	1	
3*	EM16756	GUARD SWITCH - ALUMINUM	1	
4*	EM491897	CONNECTOR, 3/16 RING	2	
5*	EM26791	GRIP CORD SEAL	1	
6*	EM26790	CORD 25' MX P/E	1	
7	EM26793	ADAPTER CORD GRIP 1/2"	1	
8	EM26792	ADAPTER CORD 100 FT.	1	
9	EM26788	REMOTE W/ 25' CORD ONLY	1	INCLUDES ITEMS W/*