# **Important Notice**

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Order parts from the Wisconsin Motors, LLC Distributor or Service Center in your locality. Refer to the Yellow Pages of the Telephone Directory under ENGINES, or write to Wisconsin Motors, LLC for a free copy of a list of authorized Distributors and Service Centers. Do not order parts from Wisconsin Motors, LLC in Memphis, TN.

The MODEL, SPECIFICATION and SERIAL NUMBER of your engine must be given when ordering parts. The MODEL and SPECIFICATION number are on the name plate. The SERIAL NUMBER is stamped either on the crankcase or the engine's identification tag.

Copy the MODEL, SPECIFICATION and SERIAL NUMBER in the spaces provided below so that it will be available when ordering parts.

SPECIFICATION
AL NUMBER

To insure prompt and accurate service, the following information must also be given:

- 1. State EXACTLY the quantity of each part and part number.
- 2. State definitely whether parts are to be shipped by express, freight or parcel post.
- 3. State exact mailing address.

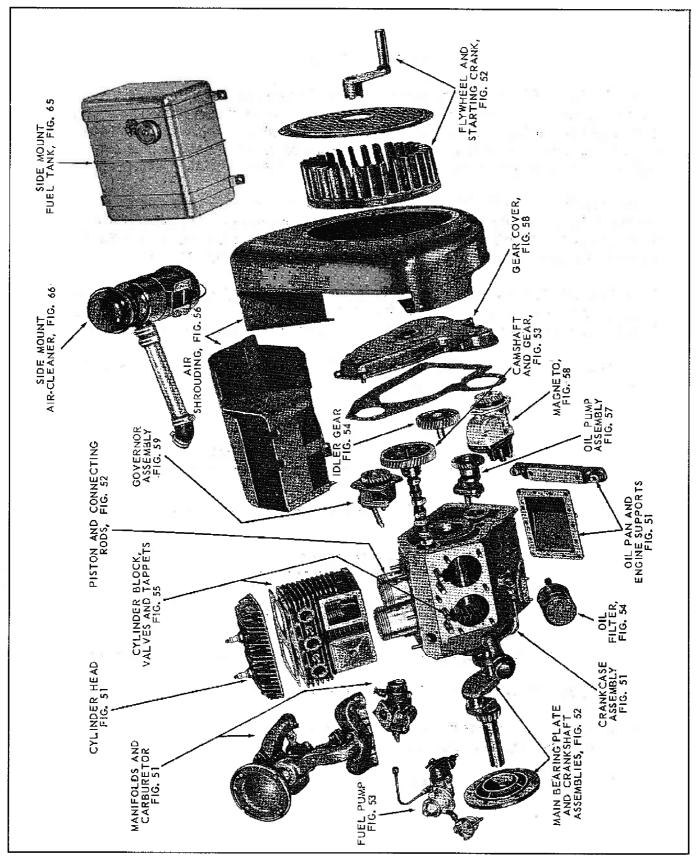


Fig. 50, EXPLODED VIEW OF ENGINE Refer to figure numbers for break down of parts.

164956⊊

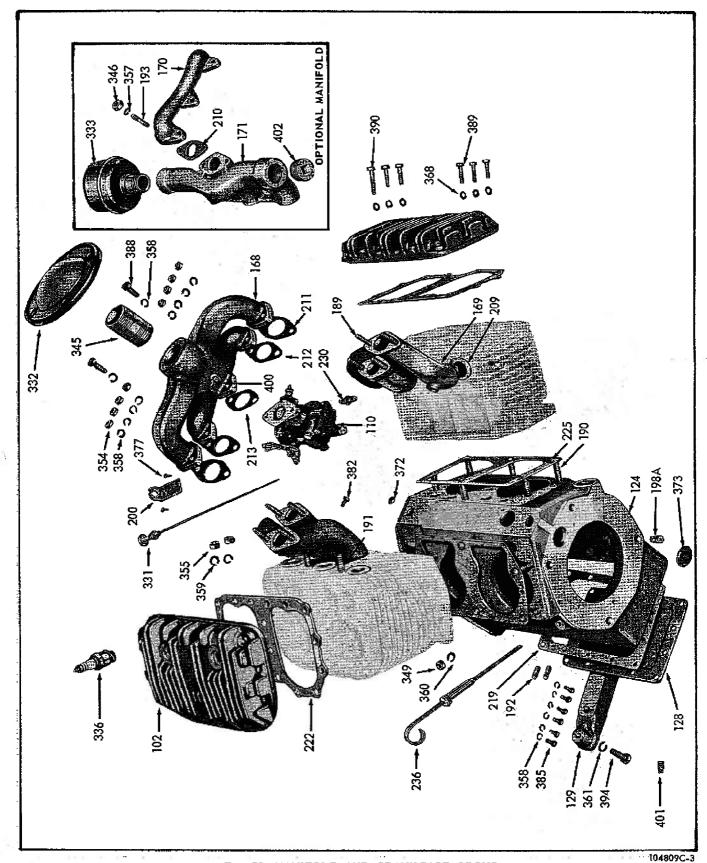


Fig. 51, MANIFOLD AND CRANKCASE GROUP

Parts are identified by reference number. See parts list for correct part number.

to list for correct next number

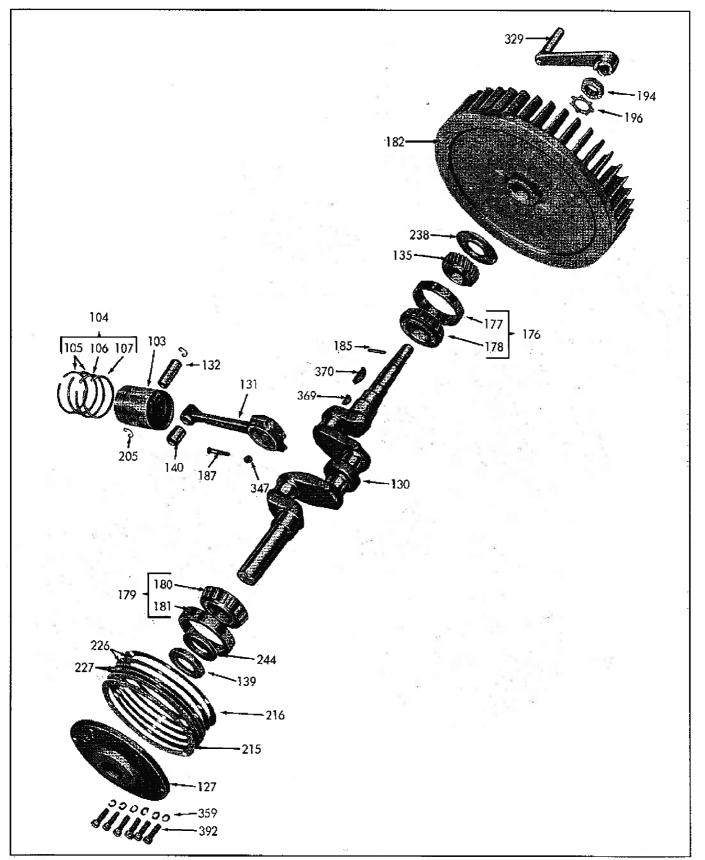


Fig. 52, CRANKSHAFT, PISTON AND CONNECTING ROD GROUP Parts are identified by reference number. See parts list for correct part number.

203937C-A

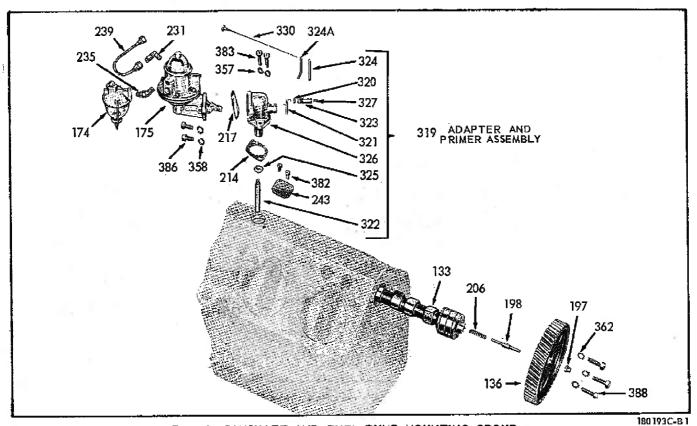


Fig. 53, CAMSHAFT AND FUEL PUMP MOUNTING GROUP

Fig. 54, OIL FILTER AND OIL FILLER MOUNTING GROUP

Parts are identified by reference number. See parts list for correct part number.

MP-770-2

## PARTS FOR MODELS YE4 AND YF4 ENGINES

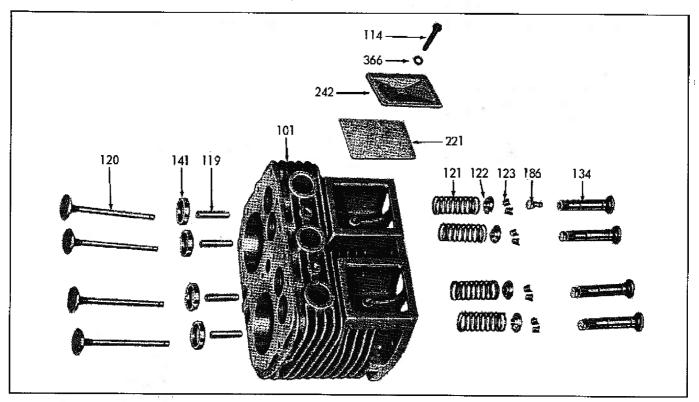


Fig. 55, CYLINDER BLOCK ASSEMBLY

70506C-2

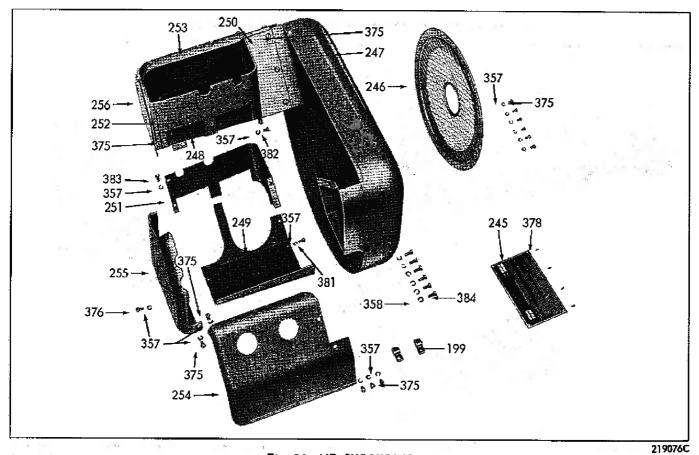


Fig. 56, AIR SHROUDING

Parts are identified by reference number. See parts list for correct part number.

MP-771

## PARTS FOR MODELS YE4 AND YF4 ENGINES

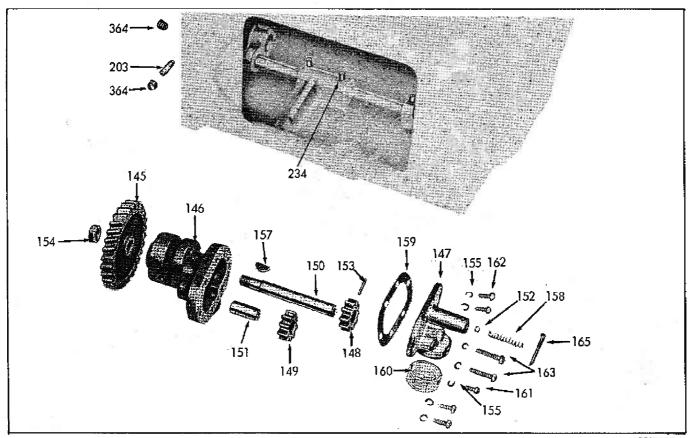


Fig. 57, Ref. No. 144, OIL PUMP ASSEMBLY

129786C-2

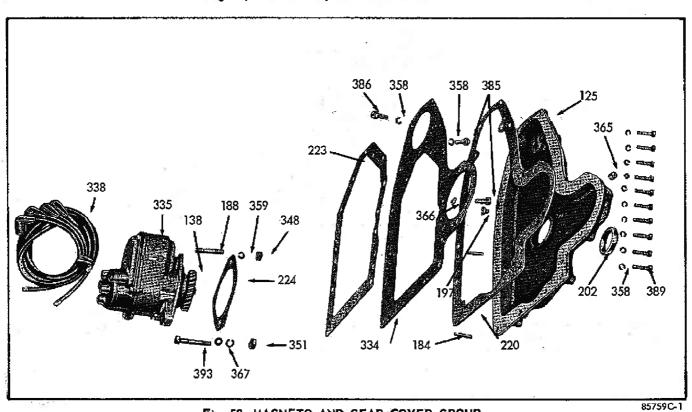


Fig. 58, MAGNETO AND GEAR COVER GROUP

Parts are identified by reference number. See parts list for correct part number.

#### PARTS FOR MODELS VE4 AND VF4 ENGINES

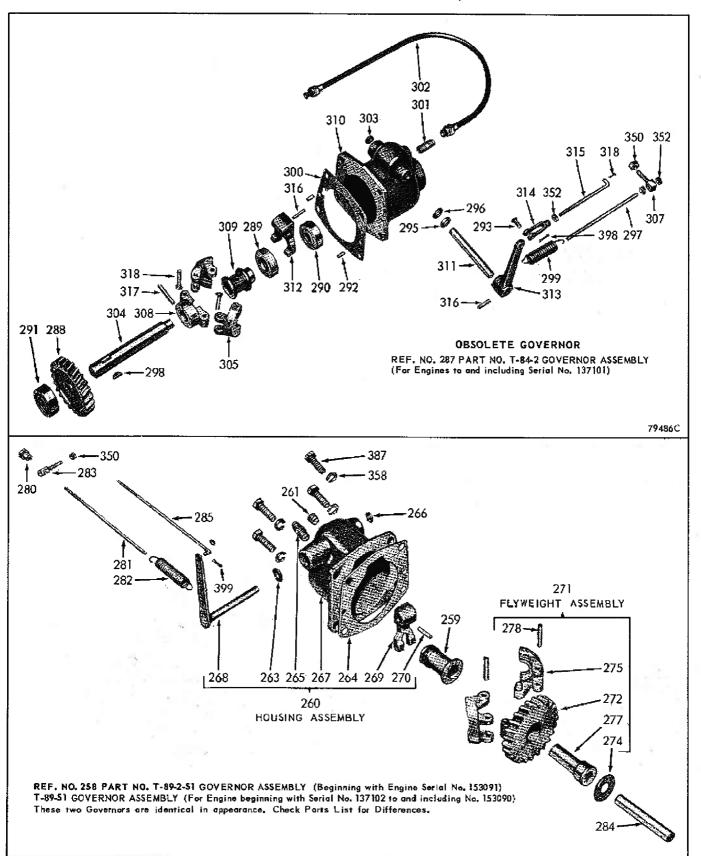


Fig. 59, GOYERNOR ASSEMBLY

Parts are identified by reference number. See parts list for correct part number.

129792C-1

#### PARTS FOR MODELS VE4 AND VF4 ENGINES

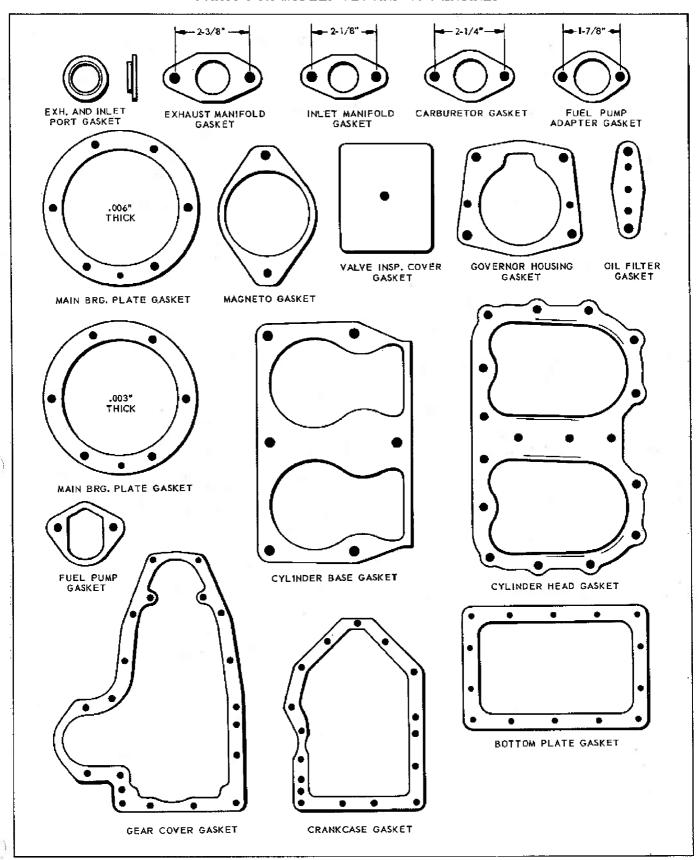


Fig. 60, Ref. No. 207, GASKET SET

# PARTS LIST

## MODELS VE4D and VF4D - 4 CYLINDER STANDARD ENGINE

This list is for a standard engine without house. If power unit house parts are required, refer to Page 47.

## THE FOLLOWING PARTS ARE NOT INTERCHANGEABLE BETWEEN MODELS VE4D AND VF4D

ENGINES WITHOUT STELLITE EXHAUST VALVES, STELLITE SEAT INSERTS, AND POSITIVE TYPE EXHAUST VALVE ROTATORS, WERE DESIGNATED AS MODELS VE4 AND VF4.

PARTS LIST
MODEL VE4D

MODEL VF4D

Rei.	Part	Description		Nes		Ref.	Port	Description	No.	Nes	Wt.
No.	Number	pascription	Req	LЬ	0z	No.	Number	Description	Req	£Ь	02
101	AA-85-523	CYLINDER BLOCK ASSEMBLY	2	31		101	A & - 86 A - \$30	CYLINDER BLOCK ASSEMBLY	2	30	
102	AB-100-B	CYLINDER HEAD,AB-80-E, AB-80-G, replaced by AB-100-E.	2	3	13	102	AB-100-A	CYLINDER HEAD	S	4	1
103	DB-208	PISTON, split skirt, sid. size, aluminum DB-187B-2 and (DB-189 cast iron) replaced by DB-208.  Pistons are also furnished .010*, .020*,	4		12	103	DB-190A-1	PISTON, com ground, standard size DB-190, DE-190A, split skirt piston and (DE-203 cast iron), replaced by DB-190A-1. Pistons are also (unished.010*,.020*,	4		13
104	DR-12	PISTON RING SET, standard size	l i		10	104	22.01.6	.63D# oversize.			,,
	•	Consisting of:					DR-31-C	PISTON RING SET, Standard size Consisting of:	1		10
105 106 107	DC-363 DC-363-1 DC-109	COMPRESSION RING 1stand 2nd groove SCRAPER RING 3rd groove	8 4 4		3	105	DC-209 DC-209-B	COMPRESSION RING 2nd groove	4		1
	DR-39	TRI-CROME RE-RING SET, std. size		1		106 107	DC-210 DC-211	SCRAPER R ING 3rd groove OIL RING 4th groove DR-31, replaced by DR-31-C.	4		1
		NOTE: Hing sets are also furnished 010", .020" and .030" oversize.					DR-42	TRI-CROME RE-RING SET, Std. size	1		8
110	L-63-S1	CARBURETOR with gasket, Zenith Model 88-7, No. 12098. LQ-39 Carburetor Repair Kit	1	14	.2 B			NOTE: Ring sets are also furnished 0.010", .020" and .030" oversize.			
		L-48 Zenith No. 10034-E and L-45-11, Stromberg No. 4280260, replaced by L-83-S1.	F			110	L=63-\$1	CARBURETOR with gasket	1	1	1.2 B
	are Identified plate. Refer	thove is a standard carbureter. Special car 1 by Parl Number stamped on carburete to this number for service replacement of carburetor bulleting in back of manual for	or no Orburo	ame etor				L-48-2 Zenith No. S-532-B, and L-45-20 Stromberg No. 425341, replaced by L-63-S1-			
	replacement p						are identifies plate. Refer	thove is a standard carburetor. Special car i by Part Number stamped on carbureto to this number for service replacement of carburetor bulletins in back of manual for parts list.	or na mbun	ıme ətər	
114	XD+148	SCREW, 5/16"-18 thread x 1-5/8" long, hexagon head	4		2	114	XD-23	SCREW, 5/16#-18 thread x 1-1/2# long, hexagon head	4		2

Ref. No.	Part Number	Description		Met Lb		_	Ref. No.	Part Number			o Oz
119	AD•41	VALVE STEM GUIDE for engines beginning with Serial No. 2322869 for VE4 engines and No. 2247771 for VF4 eng.	8		2			BA-48-A plate pilo	previous to Serial No. 3,106,939, used a crankonse (with a 5½" dia. bore for main bot), which is no larger available. For replace useary to order a corresponding BA-48-C-etc.	oasi arin mer	c g
120	AE-75-B	(For inlet and exh. in Models VE1, VF4)		4	3			cose, ph	issuing to bridge a corresponding paragraphic assembly. Their includely necessary that Model, Specification to find the property of earlier be given when ordering new crank	efore	d
	AE-75-D	STELLITE EXHAUST VALVE	4	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	3		125		GEAR COVER ASSEMBLY, Std. (Begin- I ning with engine Serial No. 4238373 (has nough flange for flywheel alternator).	12	
121	AF-49-A	VALVE SPRING, inlet	4		2				Consisting of: PII-298 Seal  1 BD-100K Gear cover : TC-388-1 Shaft  1 PF-52 Button 1 XK-3 Plug  BD-100II-1-S1, replaced by BD-100K-S1.		
	AF•54	(For inlet and exit. in Models VE4, VF4)  VALVE SPRING, exhaust, for STEL-							BD-100C-2-5] for engine Serial No. 15309: to and incl. No. 4238372 (without flywheel alternator flunge).	1:	8
		LITE valves and VALVE ROTATORS :-: 3/16" free length, rated at 85 pounds, when compressed to approx. 1-1/8".	4		2				BD-100C-S1 Geor Cover Assembly	11	В
	AF+51	VALVE SPRING, exhaust, with STEL- LITE valves, less valve rotators	4	horata	2				BD-2000-4-SI Gaar Cover Assembly (For engines to and including Serial 137191.)	11	4
		when compressed to approximately 1-9/32" beight.					,	BD-100K-4-S1	For engine with flywheel alternator 1 BD-100F-SI, replaced by BD-100K-4-SI.	12	:
122	AG-26	SEAT for valve spring, inlet	4		1			BG-209	BEARING RETAINER PLATE 1 Flywheel end.		10
147	AG-31	YALVE ROTATOR and spring SEAT (exhaust) used with Stellite valves	4		1		127	BG-210-C-S2	MAIN BEARING PLATE ASSEMBLY, std. 1 take-off end. (Deginning with engine Serial No. 3,105,939 and used with BA-48-C-etc. crankcase.) Consisting of:	6	
	See Fig. A	CRANKCASE ASSEMBLY	3 pr	60	1				1 BG-210C Plate 1 ME-114-2 Cup 1 HF-261 Seal 1 SD-43 Retainer		
		Consisting of:  1 Crankcase 1 LJ-306A Tube 4 RF-:143 Nozzlez							BG-210-52 Assembly (For engines to and including Serial No. 3,106,938 and used with DA-48-A-etc. crankcase.)	6	
		12 PC-937 Studs 2 PC-996 Studs 1 PJ-173A Saber 7 PF-18 Plugs 2 SA-26 Plugs 4 PF-144 Plugs 1 SA-58 Plug						reduction fied in th	Engines equipped with a clutch, reduction or unit, require a special main boarings late as a rear section of this manual where these a located.	spec	i-
		1 RC-91 Screen 2 XD-17 Screws eginning with engine Serial No. 3,106,9					128	8H-141-A	CRANKCASE BOTTOM COVER PLATE 1 BH-141-A, with underslung fuel tank.	1	8
	(With a 5	indard crankease part number became [ -7/3" dia, bore for main bearing plate pilo achining is indicated by a number stumpe	ot.)	Any			129 130	BK+65 See Fig. B	ENGINE SUPPORT (extat from)	1 27	13
	crankcase to BA-48	s in the location shown in Fig. A. Add this -C. The further addition of -SIA to the dash #-SIA) specifies a complete crank	s nu Port	mber No.					1 GA-36A Gear 1 ME-114 Bearing 1 ME-71 Bearing 1 PL-53 Key	2,	
		or VEAD and VFAD engines. Order by or by engine Model, Spec and Serial Number		lete	•				PART NO.		
					í.		11,000,000				
İ	. <del>-</del>	Fig. A 76638C						ı	Fig. B 71057C		

No.	Part Number	Description	ı	Lb	Wt.	Ref. No.	Part Number	Description		Net Lb	
	NÔTE:	The basic crankshaft part number (raised	Lette	ers c	n		NOTE:	Beginning with Serial No. 3810395 the	<del>1</del> K-95-	<del></del> -	il
	zide co	interweight), is CA-55. Dush numbers are	e ada	led	lo			replaces K-95-D and utilizes the same into			
	the bas	ic part number to identify special machin	ing	at th	ie !			h the drive and driven gears. Therefore, a		-	
-	tuke-≎if	end. The dash (-) number will be found s	tump	ed c	эп :	1		ib shaft for old pumps are not interchange		•	
- 1	the che	ek facing the take-off end of the shaft, a	e ill	ustr	a- i			ore diameters are not the same.			
	ted to F	ig. B. Order by complete part number, (dα	sh n	وطائيت	2f.		_	İ .			
	added to	o basic number) and by giving the model,	spec	ific	a-			Pump assembly consists of:		'	
	tion and	serial numbers of the engine.				145		GD-94-C Oil Pump Drive Gear (exhaust)	1		11
			l	1	{	346		KA-61-C-S1 Body — Includes:			
131	DA-51-C-\$1	CONNECTING ROD — shell bearing type	1	1	e			KC-56A Cear KD-122A Shaft			
		Assembly includes:			1			KA-SIA-1-SI, replaced by KA-61C-Si.			
1		1 HG-157A Bushing									
l		2 PD-148 Rolts	1			1 47		KB-42-S2 Cover Assembly, includes			
!		2 PD-246 Locknuts	1	I	וי			relief valve and screen	1		11
		The connecting rod is futnished LESS				148		KC-56-A Driver Geor	١,		1
	-	Refer to following <b>HA-133</b> (part number fo	or at	anda	rd			KC-54-1 and KC-56-1, replaced by	-		1
	and mu	dersize shell bearings available.						KC-56-A.			
		DA ESS ES SI SI LIVIA COLO	}	ľ	Ιl			KC-54 to and including Sorial 80146,			
		DA-51 B-S1 Bobbitt Lined connecting rod,						replaced by KC-59-1.			
		repl'd by DA-51-C-\$1 and shell bearings.	1	1		149		: KC-56-A Driven Geor, .499493 I.D.	1	1	1
I	HA-133-5	SHELL BEARING (2 haives)	4		2			beginning with Serial No. 3810396	1	1	l i
	UM-100-0	For connecting rod, standard size.	-		<sup>z</sup>			KC-55-1, KC-55-2 (K-95D pump) .5015-			
-		Tur commentary con, attribute at 89.				:		.5005 I.D. previous to Serial 3810396,	1		
		NOTE: The following undersize shell	1	ļ		;		For replacement use KC-56A-1.			
		bearings are also available.		1				KC-55 to and including Serial 80149.		'	
		HA-133-\$1 (.061" undersize)	1	ł				For replacement use <c-39-2.< td=""><td></td><td></td><td></td></c-39-2.<>			
		HA-133-S2 (.002 undersize)		}		150		KD-121-S1 Drive Shaft with KC-56-A gear	1		4
		HA-133-\$10 (.010° undersize)				151		KD-122-A Stub Shaft, for engines begin-			
		HA-133-520 (.920* undersize)						ining with Serial No. 3810396	1		2
		, , , , , , , , , , , , , , , , , , , ,				ŀ		KD-122 (K-95D pump) previous to engine			
132	DE-65	PISTON PIN, standard size	4		2			No. 381 J396, no langer available, order	İ		
		Piston pins are also furnished .005"	1		•			KA-SIC-SI Body Assembly.			
		and .010" oversize.				1 52		ME-60 Check Ball, ./4" dia. steel	1	'	1
						1 53		PA-64 Pin, 1/5" dig. x 3/4" long steel		- !	
133	EA-102	CAMSHAFT	<u>.</u>	3	8			straight, for driver gear			١ ا
						154		PD-195 Jam Lock-Nut, 7/16"-20 thread	. 1		Ł
134	F-61	VALVE TAPPET with lockscrew	a		4	,		For gear mounting.	l		Ι.
i		FA-40-B Toppet, replaced by F-61.				1 55		PE-14 Lackwasher, No. 10 Positive	7	'	1
						157		6-for cover l-for screen	١.	1 '	١.
135	GA-36-A	CRANKSHAFT GEAR	3		1.4	137		PL-137 Key, No. 1 Woodrutt	ŧ		1
-						1.58			l ı	'	
136	GB-45-A	CAMSHAFT GEAR	ı	2	2	159		PM-111 Spring for relief valve	'		•
				ŀ		,,,,		included in gaske; set) 003" thick, for		'	
137	GC-27-B-1	IDLER GEAR	i	1	6			engines beginning with Serial #3795557.		'	
				ł				QD-535, .012" thick jute tag paper. For		ļ '	1
138	GD-93-C-5	MAGNETO GEAR	ì		ō			engines to and including #3795556. Not	1 '	'	Ι'
		GD-93-C, replaced by GD-93-C-5.		ł				interchangeable with QD-535-A.		'	
				ł		160		RD-112 Screen	1	'	L
139	HF-261	CORK OIL SEAL, standard	ון		1	161		XA-7 Screw for screen, No. 10-32 thread	1	'	Ι,
į		For main bearing, take-off end.		ł		'		x 3/3" long steel round head	1	'	1
-		PH-364Oil seal for engines with clutch,				162		XA-8 Screw for cover, No. 10-32 thread	[ 1	'	1
i		reduction or clutch reduction unit.		1	;			x 1/2" long steel round head	4	'	l٠
7.40			١.	1		163		XA-56 Screw for cover, No. 10-32 thread	1		
140	HG-157-A	PISTON PIN BUSHING	4		1			x 1-1/4" long steel round head			Ė
		HW-157-A-1, replaced by HG-157-A.			:	165		XI-16 Cotter Fir. for valve, 1/9" x 1"		١,	: İ
3.41	HC: 201	WAL ME SELT MISSES TO A SELECTION	Ι.		ا ۽ ا						
141	HG-201	VALVE SEAT INSERT, inlet	=		2	168	LD-227-D	MANIFOLD, upper bronch	1	6	1
		(For inlet and exhaust in Models VE4						LD-227, replaced by LD-227-D.		!	
i		ond VF4.)				1					
ļ	HG-201-D	VALVE SEAT INSERT ANALYS OF THE	۱,		2	169	LD-228-S1	MANIFOLD ASSEMBLY, Lower branch	2	3	12
	HO-201-D	VALVE SEAT INSERT, stellite exhaust	1		4	1		Consisting of:	ļ		
امدا	V 05 1	OIL BUMB ACCOUNT V	,	,	ا مر ا			3 J D-228 Monifold 4 PC-171 Studs	!		1
144	K-95-L	OIL PUMP ASSEMBLY, complete	1	3	13			1 XD-4 Screw for plugging top	i		1
j		K-95-D, K-95-A and K-95 replaced by	1					Optional manifold with double exhaust			1
		K-95-L (interchangeable as a unit).		:	l l			cutlet. (Furnished as stondard equipment			1
					ıl	1		on oneines to 8 including Serial 85815).	1	1	1
			1								

Ref. No.	Part Number	Description	No. Reg					Description		Net Lb	
170 171	\$	LC-261-A INLET MANIFOLDLD-226 EXHAUST MANIFOLD		2	8	18	6 PB-169-A	VALVE TAPPET ADJUSTING SCREW For F-61 tappet, P3-147 Scrow with PD-141 nut for ob-			1
172	L J-300-A	OIL FILLER TUBE	Ŀ		6			solete FA-40-B teppet.			
173	LO-60-3	CAP for cil filler and breather	1		8	18	7 PB-148-S1	CONNECTING ROD BOLT ASSEMBLY Consisting of: I PB-148 Bolt I PD-246 Nut	8		1
174	£P-19-B	FUEL STRAINER, Tillotson CW-444 NOTE: See illustration on Page 54 for service parts list of fuel strainer.	1		i 6	18	8 PC-110	STUD for magnete mounting	1		ı
175	LP=38E-51	FUEL PUMP for open engine (low dome)	1	1	l a	18	9 PC-171	STUD for lower to apper manifold	8		1
" ]		For replacement, LP-38H-S1 can be used.  LQ-46 Repair kit for LP-38E-S1			2	19	0 PC-337	STUD for cylinder block to brankcase	12		2
	LP-38H-\$1	FUEL PUMP for power units (with rotating dome and inlet connection)	-	1	12	1	1 PC-369	STUD for manifold to cylinder block	4		1
		LQ-47 Repair kit for I.F-38H-S1	1	•	S		2 PC-396	STUD for starter bracket	2		1
	:-	LT-38-S1 (high dome style pump) Heplaced by LP-38E-S1 but for service replacement, LP-38H-\$1 can be used for		1	11	19	3 PC-405	STUD for inlet to exhaust manifold			1
		both I.P-38-S1 and I.P-38E-S1.				19	4 PD-123	NUT\$ for flywheel mounting	1		2
140		LQ-30 Repair kit for obsclete LP-38-S1	1		2	19	6 PE-66	LOCKWASHER to: :lywheel nut	1		1
						19	7 PF-52	BUTTON for comshaft thrust plunger	1		1
						19	8 PF-101	THRUST PLUNGER for camshaft	1		1
176	ME-71	MAIN BEARING ASSEMBLY, flywbeel				19	 8A PF-144	PLUG for 7/16#-14 tags in face of case	4		1
177		ME-69-1 Bearing cup - Timken 414	1	1	14 12		9 PG-314	CLIP for spark plug ignition cables	2		1
178		ME-71-1 Bertring cone - Timken 420	1	1	2	20	PG-475	BRACKET for choke control	ı		2
	ME-114	MAIN BEARING ASSEMBLY, take-oifend Consisting of:	1	3				PG-319-A, replaced by PG-475.			
180 181		ME-114-1 Bearing cone - Timken 3382 ME-114-2 Bearing cup - Timken 3328	1	1	12		2 PH-299	OIL SEA'L for crankshaft, flywheel end	1		2
182	NC-140-G	NC-140-C. NC-140G-1-51 for engines with electric		33	2	20	3 PI-143-B	LOCKSCREW for all pump. Beginning with engine Serial 145636	1		1
		storter		34	8	20	4 PJ-105	STUD for idler gear	1		5
		-GH-44 Bing Gear	1		13	20	5 PK-52	RETAINING RING for piston pin	8		1
		NC-140-1-31 and NC-140D-1-81, replaced by NC-140C-1-81.				20	5 PM-108	SPRING for comshaft thrust plunger	1		1
		FLYWHEELS for Flywheel Alternator, refer to electrical equipment section of parts list.	1			20	7 <b>Q</b> -12•J	GASKET SET (Fig. 60) Consisting of: 5 QB-75 3.QD-527-C 4 QD-612-A 2 QP-73 3 QD-527-D 2 QD-612-C	1		8
	for moun etc., onl Therefor	Because of the numerous variations in flyw nting rotating screens, stub shafts, altern y the standard and ring year Tywhoel's are e, give Model. Specification and Serial N o, when endering now flowbool.	nato: Liste	e. d.				2 QB-79 1 QD-539-A 1 QD-614 3 QO-71-A 1 QD-595-A 2 QD-615-A 1 QD-67 1 QD-610-A 1 QD-616 2 QD-527-A 1 QD-611 2 QD-617 1 QD-527-B	12		-
1	ot engin	e when ordering new flywheel.	ĺ	[				Q-10-3 and Q-12-3, replaced by Q-12-J.			
	PA-291 PA-333	PIN for starting grank			<u>:</u>	-	Q-29	VALVE GRINDING GASKET SET	1		2
		PA-239 Pin and XE-84 Set Screw, replaced by PA-331.						2 QB-79 2 QD-613-C			

## PARTS INTERCHANGEABLE ON MODELS YEAD AND YEAD

290 OB-75 GASKET for manifold to cylinder block 6 1 230 RF-369 STRAIGHT FITTING to combuseror	N	Port lumber	Description			Wt.	Re No		Description		Net	W1.
210   08-77   GASKET upper to lower brench manifold   2   1   231   RF-1225   ELBOW for fair line   2   2   2   2   2   3   7   7   7   7   7   7   7   7   7							22	9 RC-91	SCREEN for oil filler	1		1
Prof.   Prof	B-	-75	GASKET for manifold to cylinder block	6		ا ر	23	0 RF-269	STRAIGHT FITTING in comburetor	1		2
	В-	-77	For engines with LO-251A and LD-226	2		1	23	1 RF-1225	1-for fuel pump.	2	,	2
2	B-	-78		2		1					ļ	
213   QC-71-A   GASKET for curbureter famper   QC-71-A	B-	-79		2		1	23	FF-1143	with engine Sorial No. 615486 Previous to engine 615486 use:			1
QD-527-C   GASKET for facel pump edapter   1   1   1   1   1   1   1   1   1	c.	-71-A	_	а		ι	23	5 PE-1307	RF-1143 (short), for #2 and #4 rods	2		1
20-527-C	D.	-67	GASKET for fuel pump adapter	ı		1	**			i		1
216	D-	≁527 <b>∗</b> C	5-29/32" I.D. (For engines beginning with Serial No. 3,106,939). QD-527-A, 5-17/52" I.D. (To and includ-				23	ter tub case, <b>part</b> nu	c, replaces dip stick mounted directly into but is not interchangeable for service. O unber indicated on biade of dip stick.  DIP STICK 6-i/4* long) starter side	r <b>der</b>	ık-	3
207-527-B, 5-17/52# (LD. (To and including ing Seriat No. 3,106,938)	D-	-527 <b>-</b> D	GASKET for hearing plate, .003" thick 5-29/32" I.D. [For engines beginning	3	; ;		23	5A RJ-173	DIP STICK (10* long) below all filler	1		2 5 3
218   QD-595-A   GASKET for oil filter mounting   1   1   239   RM-1122   FUEL LINE, pump to comburator   1   1   1   1   1   1   1   1   1			QD-527-B, 5-17/32" f.D. (Te and includ-	] ]		1	: 1		•	2		3
QD-610-A GASKET for crankcase bottom cover	D.	-538-A	GASKET for fuel pump mounting	1		1	23	8 RK-170	OIL SLING	1		2
219 QD-610-A GASKET for crankcase bottom cover	D.	-595-A	GASKET for oil filter mounting	1		1	23	9 RM-1122		1		2
221 QP-612-A GASKET for goar rows:	D.	-610-A	GASKET for crankcase bottom cover	1		ı	24	0 RM-675		ı		3
222 QD-613-C GASKET for cylinder head	D.	-611	GASKET for gent rover	1	-	1						
QD-613-B, replaced by QD-613-C.  QD-614  GASKET for gear cover spacer to case  QD-616  GASKET for magneto florige							24	I	RV-40-54 CARTRIDGES (4 partk)		3	4
224 QD-616 GASKET for magneto flange			QD-613-B, replaced by QD-613-C.					RV-29	: Beginning with engine Serial No. 3408 3-A oil filter is replaced by a BASE ASSEM	75C. BLY	the and	
225 QP-617 GASKET for cylinder base								not in be use	terchanaeable, therefore RV-29-S4 cartride ed for obsolete RV-29-A oil filter. Part n	jes r	rust	
SHIM for main bearing plate, .006" thick 5-57/64" I.D. (For engines beginning with Serial No. 3,106,939).  **Obsolete = 2 were used = replaced by 1 OD-527-C and 2 OD-527-D. QF-33, 5-33/64" I.D. (To and including Serial No. 3,106,938)	D	-617	GASKET for cylinder base	2		1				١,	ĺ	1
243 SA-69 COVER for engine without fuel pump 1 QD-527-C and 2 QD-527-D. QF-33,5-33/64* I.D. (To and including Serial No. 3,106,938)	F	-33-B	5-57/64* I.D. (For engines beginning	,		1						9
QF-33, 5-33/64* I.D. (To and including Serial No. 3,108,938)			* Obsolete = 2 were used = replaced by				24	3 SA-69	COVER for engine without fuel pump	1		2
S-57/64* I.D. (For engines beginning with Serial No. 3,106,939).  NOTE: 2 were required — use same quantity of shims and gaskets as were removed, to give .002* to .004* end play.  OF-33-A, 5-33/64* I.D. (To and includ-			QF=33, 5-33/64* U.D. (To and including	2		1	24	4 SD-43		1		1
removed, to give .002* to .004* end play.  QF-33-A, 5-33/64* I.D. (To and includ-	F	-33-C	5-57/64" I.D. (For engines beginning with Serial No. 3,106,939). NOTE: 2 were required — use same	1		1	24	5 SD-248	When ordering name plate, give Model, Specification Number and Serial Number for correct stamping.	1		i e
			removed, to give #002" to .004" end play.				24	SE-20-B-3	SCREEN for Hywheel shroad	1	1	2
			·	2		1						

No.   Number	Ref.	Part	D	No.	Net	Wr.	Ref.	Part	B	No.	Net	Wt.
### SE-7-by Service of Symbols in the Control of Symbols in the Control of Symbols of Sy	No.	Number	Description	Req	Lb	Ðz	No.	Number	Description			
1							265		RF-269-2 Straight fitting	ı		i 1
## gam cover is registered, or by contitude gene of the five context sortware for otherwise from Enterthing Fryench alteract to gene covers.  ## SE-74Y    FLYWHEEL SHROUD, for aid, contine and power with, file ped for air cleaners)   1   1   1   1   1   1   1   1   1		series, b	ecause of a year cover alteration for mo	untir	ıg							1
247 SE-74-Y FINEEL SHROUD, See set, excited to goar covers.  248 SE-74-Y SEP-74-V, replaced by SE-74-Y  259 SE-74-Y SEP-74-V, replaced by SE-74-Y  250 SE-74-Y SEP-74-V, replaced by SE-74-Y  250 SE-74-Y SEP-74-V, replaced by SE-74-Y  250 SE-74-Y SEP-74-V, replaced by SEP-74-Y  260 SE-74-Y SEP-74-V, replaced by SEP-74-Y  260 SE-74-Y SEP-74-V, replaced by SEP-74-Y  261 SE-74-Y SEP-74-V, replaced by SEP-74-Y  262 SE-75-B LOWER CYLINDER SHROUD, P. H. side 1  263 SE-76-B SEP-74-Y-SEP-74				_							1	14
270   SE-74-Y   FLYWHEEL SHROUD, for sid, encine and power unit. (No ped for six closures)   1   11   11   12   13   14   15   15   15   15   15   15   15		-							1			2
SE-74Y   FLYWEIGH SHROUD, for etd. centre and power unit. (No pod for off to deniews)   SE-74Y   SE-74-V, repid by SE-74Y   SE-74-V   With pad for mounting starter   SE-74-V   With pad for mounting starter   SE-74-V   With pad for mounting starter   SE-74-V   With pad for mounting starter   SE-74-V   With pad for mounting starter   SE-74-V   With pad for mounting starter   SE-74-V   With pad for mounting   SE-74-V   With pad for mounting   SE-74-V   With pad for mounting   SE-74-V   With pad for mounting   SE-74-V   With pad for mounting   SE-74-V   With pad for mounting   SE-74-V   SE-74-V   With pad for mounting   SE-74-V   SE-74-V   With pad for mounting   SE-74-V   SE-74-V   With pad for mounting   SE-74-V   SE-74-V   With pad for mounting   SE-74-V   SE-74-V   With pad for mounting   SE-74-V   SE-74-V   With pad for mounting   With Seria		center ser	rows for attaching flywhool shroud to gear	cove	ī.	IJ	1					3
SE-74 SE-74 New Pick of Secretary   1   1   1   1   1   1   1   1   1	247	SE-74-Y	FLYWHEEL SHROUD, for std. engine				1			1 '	1	*
SE-74-YA With pod for mounting sharture   12   11   6   12   12   13   14   15   15   14   15   15   15   15				1	11	l				1 *		
SE-74-YA With pad for securiting steries   SE-74-YA, SE-74-Ya, Capital by SE-7-94-YA, SE-74-YA, Capital by SE-7-94-YA, SE-74-YA, SE-74			SE-74, SE-74-V, replaced by SE-74Y				272			lı	1	7
SE-74-X   SE-74-VA   reply the y SE-74-YA			(See note).				274		PH-313A Bushing washer	1		8
SE-74-YC with pade set air element and starter momenting					11	8	275		Includes TC-328D Thrust pin.	2		3
Set   Set			SE-74-VC with parks for all closures and				277			١.		L
SE-75-B   LOWER CYLINDER SHROUD, F. H. side   1   14   14   15   15   15   15   15					12	1				1		2
28   SE-75-B   LOWER CYLINDER SHROUD, R. H. side   1   14   12   12   14   15   15   15   16   16   17   16   16   17   18   16   17   18   18   18   19   18   18   19   18   18					**		270			ľ		١.
248   \$5.75-6   LOWER CYLINDER SHROUD, F. H. side   1   14   12   12   14   15   15   15   15   15   16   16   16						1			_			
NOTE: The remaining should ports, Ref. 251, 252, 253, 254, 255, 256, have been redaininged and are used on engines beginning with Serial No. 2,631,415. The old style shrouding is vericed interchargeoide unless all 3 motching parts for other book of cylinders is odesed.    SE-77-C	248	\$E-75-B	LOWER CYLINDER SHROUD, R. H. side	1		14			but drill out holes in governor gent			
NOTE: The remaining abroad parts, Ref. 251, 252, 253, 254, 255, 256, have been redentigned and are used on engines beginning with Serial Rc. 2,631,413. The old style strouting is available for service as these are not interchangeable unless all 3 matching parts for either bonk of cylinders is ordered.    SE-77-C	Service S			e · 1		12						
254, 255, 256, have been rednelighed and are used on engines beginning with Serial No. 2,631,413. The old style shrouding is available for service on these are not interchangeable unless all 3 matching parts for either bonk of or binders is ordered.  251 SE-77-C CYLINDER HEAT DEFLECTOR, Left hand side, beginning with Serial 2631412. SE-77-B, to and including Serial 2631412. SE-77-B, to make including Serial 2631413. SE-77-B, to make including Serial 2631413. SE-78-C CYLINDER HEAT DEFLECTOR, Bright hand side, beginning with Serial 2631413. SE-78-A, to and including Serial 2631413. SE-78-B, to and including Serial 2631412. SE-79-B, to and including Serial 2631412. SE-79-B, to and including Serial 2631412. SE-78-B, to and including Serial 2631412. SE-82-B, to an including Serial 2631412. SE-82-B, to an including Serial 2631412. SE-82-B, to an including Serial 2631412. SE-82-B, to an including Serial 26	250	SE-80	SIDE COVER, flywheel shrond	1		4			governor assembly.			
### ### ##############################	- 1									1		1
### 1283   SE-77-C   CYLINDER HEAT DEFLECTOR, Left hand side, beginning with Serial 2631412-   SE-77-B, to and including Serial 2631413-   SE-78-A, to and including Serial 2631413-   SE-78-A, to and including Serial 2631413-   SE-78-A, to and including Serial 2631413-   SE-78-A, to and including Serial 2631412-   SE-78-B, to and including Serial 2631413-   SE-78-A, to and including Serial 2631413-   SE-78-B, to and including Serial 2631413-   SE-78-A, to and including Serial 2631413-   SE-78-B, to and including Serial 2631413-   SE-78-A, to and including Serial 2631413-   SE-78-B, to and including Serial 2631413-   SE-78-B, to and including Serial 2631413-   SE-78-B, to and including Serial 2631413-   SE-78-B, to and including Serial 2631413-   SE-88-B, to and										!		3
interchangeschile unless all 3 matching parts for either bank of cylinders is adered.  284 285 285 287-C 271 CYLINDER HEAT DEFLECTOR, Left hand side, beginning with Serial 2831412.  286 287 287 288-77-8, to and including Serial 2831412.  288 289 289 289 289 280 280-280-88-C 288 SE-79-C 291 CYLINDER HEAD SHROUD, Right hand side, beginning with Serial 2831412.  280 281 282 284 285 286-79-C 271 LINDER HEAD SHROUD, Right hand side, beginning with Serial 2831412.  287 288 289 289 280 280 280 280 280 280 287 288 288 289 289 288 289 289 288 289 289												1
Demix of cylinders is ordered.   285   VE-464   Covernor countrol rod   1   1   1   1   1   1   1   1   1									, , , , , , , , , , , , , , , , , , , ,			3
SE-77-A to and including Serial 2631413				61111	H1.					1		:
SE-77-A, to and including Serial 2631412.	251	SE-77-C				ļ., i		T-89-51				
SE-77-D   CYLINDER HEAT DEFLECTOR, Right hand side, heginning with Serial 2631412.   1   14     15   17   17   18   19   19   19   19   19   19   19				- 1		11					3	3
TC-405-1 Flyweight assembly in place of TC-405   TC-405-1 Flyweight assembly in place of TC-405   TC-405-1 Flyweight assembly in place of TC-405   TC-405		6E ## B									11	
SE-77-E, to and including Serial 2631412.	252	3E-77-D		1.		١						
To-388   Geor Swehling in place of TO-3894-1   To-389A-1   To-38						14					,	
1   1   1   1   1   1   1   1   1   1			SO-17-5, to the mendantal setter xustat So	'	i						'	
Side, beginning with Serial 2631413   1   14	253	SE-78-C	CYLINDER HEAD SHROUD, Bight hand									2
SF-78-A, to and including Serial 2651412.   287   T-84-2   COVERNOR ASSEMBLY, To and including side, beginning with Serial 2631413   1   1   1   1   1   1   1   1   1		72 75 2		}	ļ	14						٦
Side, beginning with Serial 2631413   1   1						•			of TC=288-1			3
Side, beginning with Serial 2631413   1   1   1   SE-79-A, to and including Serial 2631412.   268   289   28	254	SE-79-C	CYLINDER HEAD SHROUD, Left hund		İ		287	T-84-2	GOVERNOR ASSEMBLY, To and includ-			
255 SE-82-C REAR SHROUD COVER, Left hand side 1					1					2	6	
SE-82-C   REAR SHROUD COVER, Left hand side   1   15   289   MD-100   Thrust bearing, Nice 5774   1   15   290   ME-138 (Nice 607), Use TC-348-S1 Assembly ME-131   Housing bearing   1   1   15   290   ME-131   Housing bearing   1   1   1   1   1   1   1   1   1			SE-79-A, to and including Serial 2531412		ļ				1		ĺ	
Beginning with Serial 2031413.   SF-82-B, to and including Serial 2631412.   290   ME-138 (Nice 607), Use TC-348-S1 Assembly ME-111   Housing becring   1   1   Housing becring   1   1   Housing becring   1   1   Housing becring   1   292   Housing dowel pin   2   293   PA-294   Housing dowel pin   2   295   PF-118   Cross shaft seal retainer   1   295   PF-118   Cross shaft seal retainer   1   297   PH-318   Cross shaft seal   1   297   PH-318   Cross shaft seal   1   298   PH-318   Cross shaft seal   1   298   PH-318   Cross shaft seal   1   298   PH-318   Cross shaft seal   1   298   PH-318   Cross shaft seal   1   298   PH-318   Cross shaft seal   1   298   PH-318   Cross shaft seal   1   298   PH-318   Cross shaft seal   1   298   PH-318   Cross shaft seal   1   298   PH-318   Cross shaft seal   1   298   PH-318   Cross shaft seal   1   298   PH-318   Cross shaft seal   1   298   PH-318   Cross shaft seal   1   298   PH-318   Cross shaft seal   1   298   PH-318   Cross shaft seal   1   298   PH-318   Cross shaft seal   1   299   PH-318   PH-					ŀ					1		9
SE-82-B, to and including Serial 2631412.   290   ME-138 (Nice 607), Use TC-348-S1 Assembly ME-111 Housing bearing 1   1   1   1   1   1   1   1   1   1	255	\$E-82-C	I	1		15	289		2.5	-		6
SE-83-C   REAR 5 HROUD COVER, Right hand side 1   15   Beginning with Serial 2631413.   SE-63-B, to and including Serial 2631412.   293   PA-294   Housing dowel pin   2   293   PA-294   Housing dowel pin   2   295   PF-118   Cross shaft seal retainer   1   2   2   296   PF-118   Cross shaft seal retainer   1   2   297   PF-118   Cross shaft seal retainer   1   2   298   PF-118   Adjusting screw   1   2   298   PF-118   Adjusting screw   1   2   298   PF-121   Cear key Woodruff No. 3   1   2   2   307   PF-18   PF-18   Prophysion   1   2   2   307   PF-18   Prophysion   1   2   2   307   PF-18   Prophysion   1   2   2   307   PF-18   Prophysion   1   308   PF-18   Prophysion   1   304   PF-19   Prophysion   1   304   PF-19   Prophysion   305   PF-19   Prophysion   3			I		ļ				ME-138 (Nice 607), Use TC-348-S1 Ass	empj. I	j Y	
Beginning with Serial 2631413.   292   293   294   295   296   296   297   297   298   2									ME-111 Housing bearing	1		ē
SE-83-B, to and including Serial 2631412.   293   295   29	256	SE-83-C	REAR SHROUD COVER, Right hand sid	le 1	l	15				1		6
258 T-89-2-51 GOVERNOR ASSEMBLY, Regiming with engine Serial 153091 (Fig. 59)			Beginning with Serial 2631413.		ļ							)
258   T-89-2-51   GOVERNOR ASSEMBLY, Regiming with engine Serial 150091 (Fig. 59)   1   3   3   297   298   297   298   298   297   298   298   299			SE-63-B, to and including Serial 2631412	·l	į					1		١.
Pi-115B   Adjusting acrew				1					,	1 7		:
298   Consisting of:   298   Pi-21   Ceric key - Weedruff No. 3   1   1   2   299	258	T-89-2-51	1		Ĺ				• • • • • • • • • • • • • • • • • • • •	1		1
TC-391-B Thrust sleeve and bearing   1   2   299   300   299   299   300   299   300   299   299   300   299   2				<sup>1</sup>	3	8				;		2
TC-391 6 TC-391A, replid by TC-391B.	050			١,						l i		l
TC-395-S1 Housing assembly	257			1 1		4				ĹĹ		li
Consisting of:    PF-18   Pipe plug=1/8" slotted	26.0			1.	,	2				] ;		lì
261 PF-18 Pipe plug-1/8" slotted	40V			Ι.	"	*				ĺ		4
263  PH-571 Oil seal for cross shaft	261			1		1			I .	<u>i</u>		ĺ
(Neoprene) Mount with lips in. 2 PH-318-A cork seal & PF-118 retainer replaced by PH-571. 305  (Neoprene) Mount with lips in. 2 Includes TC-322D-S1 Flyweight assembly 2 Includes TC-322D Thrust pin. TC-322A, replaced					l	17			5 -	1		6
replaced by PH-571. pin. TC-322A, replaced							305		I .	2		ş
	1		PH-318-A cork seal & PF+118 retainer						1	1		
by TC-322D-51.			replaced by PH-571-		131				· ·	1		
	i								! by TC-322D-S1.	1		
		·				لــــــــــــــــــــــــــــــــــــــ			141		L	L

Order parts from nearest **WISCONSIN DISTRIBUTOR** or **SERVICE CENTER. IMPORTANT:** Always give Model, Specification and Serial Numbers as shown on name plate.

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MP-1456

Ref. No.	Part Number		Description			Vt.	Ref.	Part Number	Description	No. Reg	Net Lb	
307 308 309		TC-346B TC-348-S1	Adjusting screw pin	1 1		1 4 6	335	Y-106-S1	MAGNETO, with geor, FAIRBANKS-MORSE No. FMZV4B7 Y-74-5: (FMXV4B7) and Y-4)-51 (FMJV4B7) replaced by Y-106-51.	1	5	8
310		TC-353	TC-348-S1.	1	2				YQ-6 Points and Condenser Kit			2
311 312 313		TC-384 VB-98A-2 VB-132	YokeLevet (Give engine Serial	1		2 2		OPTIONAL Y-54-\$1	WICO No. XH-1343B magnete with gear Y-37C (J-1343), replaced by Y-54-S1.		5	10
314		V=-158-1	Number when ordering) Control rod yoke	l L		5			YQ-5 Points and Condenser Kit			2 6
315 316		VE-273B-: XH-1	Control rod	1 ·2		1 1			: 'These engines are equipped with cither Morse' or 'Wico' magneta as shown, See			
317 318		XH-9 PA-340	XH-2, replaced by XH-1. Fin, No. 2 x 1/4" long, taper Flynnight and line	1 2		] ]			ins in back of manual for service rep.			
315		PR=340	Flyweight roll pin	2.		ו	336	YD-6-S1 OPTIONAL	SPARK PLUG, 18mm, CHAMPION No.			
			pins, replaced by PA-340, but drill out soles in fly-					YD-6-\$2	AC No. C86 Commercial	٤.		2
210	TE 0/	FILE BINA	weight hub to .195 (No. 9).				-	YD-20	RUBBER NIPPLE for magneto towers (Not illustrated)	4		1
319	T <b>F-9</b> 6		ADAPTER and PRIMER [with straight hundle, for	1	1		338	YL-100-A	Set of Magneto Ignition Cables with in- legial molded spark plug boot	1		12
	TF-96-6	(with sent h	nd PRIMER ASSEMBLY	1	1				Consisting of: YL-339-26 Cable for No. 1 cylinder	1		3
			lies consist of the follow-						YL-339-34 Cable for No. 2 cylinder YL-339-32 Cable for No. 3 cylinder	1		3
320 321		JK+50 PM-145	Copt where noted.  Procking ring	ı		-			YL-339-38 Cable for No. 4 zylinder YD-12 Terminal boots and YL-100 Cable	]		3
322		TA-111-1	Spring Plunger (TA-116 must also be ordered)	1		1			Set, (which consisted of YL-79, YL-80, YL-81 and YL-82) is replaced by YL-100A			
323			Shaft with JK-50 packing For TF-95 assembly.	1		1			Cable Set, but YD-294 Spark plug post terminal nut must be ordered for use with the integral molded boot.			
324		TA-115	For TF-26-6 assembly Handle (straight) For TF-26 assembly,	1		1			MISCELLANEOUS			
324A		TA-115-4	Handle (bent)	ι		1			STANDARD HARDWARE			
325 <b>32</b> 6		TA-116	Cap	1		1	345	LJ-184	NIPPLE, 1½" x 2½" long, W.J. pipe For muffler mounting.	ı		5
327		XE-65	Adapter assembly. Set screw, for shaft in TF-96-5 assembly	1			346	PD-9	NUT, ¼ "-28 thread, hexagon steel For mounting LD-226 manifold.	4		1
Î	U-212		CRANK	1	1	2	347	PD-246	LOCKNUT, 5/16*-24 thread, (special) For connecting rod boits. PD-10, replaced by PD-246.	8		1
330	VE-471-4		NTROL	1		7	348	PD-11	NUT, 3/8°-24 thread, hexagon steel For magneto stud.	1		1
331	VE-693		VE-575, replid by VE-693.	:	1	2	349	PD-12	NUT, 7/16*~20 thread, hexagon stee For mounting cylinder block.	12		1
332	₩D+98		standard, for 1%" pipe tap blaced by WD-93.	ı	2		350	PD-77	NUT, ¼#-20 throad, hexagon steel	l .		1
333	₩D-66A-S2	gine with L.C	for 1" pipe tap, used on en- -226 manifolds ced by WD-56A-52.	2	1	100	351	PD-79	NUT, 3/8%-16 thread; hexagon steel For magneto mounting screw.	1		ī
334	WE-182-A		gear coverreplaced by WE-182-A.	1	2		352	PD-115	NUT, No. 10-32 thread, hexagon steel 2-for governor adjusting screw.	3		1

## PARTS INTERCHANGEABLE ON MODELS YEAD AND YEAD

Ref. No.	Part Number	Description		Net Lb		Ref. Na.	Part Number	Doscription	No. Res	Net Lb	
354	PD-205	NUT, 5/16"-24 thread (Seize proof), hexagon steel	8		1	369	PL-53	KEY, No. 8 Woodruff	1		1
		For exhaust and inlet manifold studs. PD-10A, brass aut, replaced by FD-205.				370	PL-83	KEY, No. 23 Woodruif	1		2
355	PD-206	NUT, 3/8"-24 thread (Seize proof), hexagon steel For manifold to cylinder block studs.	4		1	372	SA-26	PLUG, 5/8" expansion	2		ı
357	PE-3		51		1	373	SA-58	PLUG, 1-3/3" expansion	   <u>:</u> 		1
		2-for mounting fuel pump adaptor. 6-for splash plates (obsolete). 6-for flywheel screen. 4-for LD-226 exhaust manifold. 33-for air shroading.				375	XA-33	SCREW, %"-20 thread x 3/8" long, round or indented hexagon head 8-for flywheel screen. 8-for lower cylinder shroud, L & R sides.			,
358	PE-4	LOCKWASHER, 5/16" spring look	53		1			2-for cylinder heat deflector, K.H. side. 12-for cylinder head shrouds. 3-for uir shroud side never. 2-for rear shroud cover, lower holes.	4		
·		15-tor gear cover and spacer. 4-for governor housing. 2-for fuel pump. 2-for carburetor. 2-for oil filter.				376	XA-36	SCREW, ½"-20 thread x ½" long, round or indented hexagon head	4		1
359	PE-5	8-for lower to upper manifold.  *LOCKWASHER, \$/2" apring look	12		1	377	XA-65	SCREW, No. 5 x 2/ long, self-topping, sheet metal	2		1
		4-for mounting manifold to cylinder. 6-for main bearing plate—take-off end. 2-tor magneto.				378	XA-67	For mounting choke bracket,  SCREW, No. 4 x M" long, self-topping,			
360	PE-6	LOCKWASHER, 7/16" apring lock For cylinder block to crankcase.	12		1		OPTION A.	sheet metal	4		<b>'</b>
361	PE-7	LOCKWASHER, 1/2* spring lock For engine supports to crankcase.	4		1		XJ-46-A	RIVET, 9/64" dia. x 3/16" long, tubular steel			
362	PE-46	LOCKWASHER, 5/16 oxternal Everlock of For mounting camehaft gear.	з		1	380	XC-17	plate to cylinder head cover.  SCREW, 5/16"-18 thrend x %" long, flat			
363	PE-49	LOCKWASHER, 5/16° countersunk 'Everlock', for bearing retainer plate —				10000		For bearing retainer plate—flywheel end	4.		1
364	PF-18	PIPE PLUG, 1/8" slotted	7		1 1	381	X A-33	SCREW, 1/4"-20 thread x 3/8" long, indented hexagon head	 ! 4 ?		נ
		l-for oil hole to pump. 4-for oil spray nozzles. 1-for oil pump lockscrew hole.				382	XD-4	XD-3, replaced by XA-33.  SCREW, 1/4*-20 thread x 1/2" long,	:		
365	X K-3	I-tor oil header.  PIPE PLUG, 3/8" square head	1		2			hexagon head	3		1
	<b></b>	For timing hole in genr cover.  PF-25, shorted, replaced by XK-3.				382	XA-34	SCREW, W"-20 x W", indented hex. hd. 4-for cylinder heat deflector.	10		i
366	PH-14	PLAIN WASHER, 5/16" copper	6		1	383	XD-6	6-for spiritsh plates. Obsolete—discontinued as of serial No. 4479692.			
367	PH-22-A	For magneto mounting screw.	1		1	303	70-0	SCREW, 1/4"-20 thread x 3/4" long, hexagon head			1
368	PH-77-A	PLAIN WASHER, 5/16* steel	31		ì		5	XB-75 (Alien corrected), replaced by XD-6.			
		<b>3.5</b> 1.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1				384	XD-13	SCREW, 5/16*-18 thread x 1/2* long, hexagon head	4		1
		(8)						hexagon head	4		

#### **ROTATING SCREENS**

p.r.			Ι	Net	. w.						<del></del> 1
Ref. No.	Part Number	Description		Lb	_		SK-1	105-F			
384 385	XD-172 XD-14	SCREW, 5/15*-18 x ½" long, 1/8" thick hexagon head.  For center holes in flywheel shroud.  SCREW, 5/16*-18 thread x 5/8" long, hexagon head.  14-for crankcase bottom cover plate.  S-for mounting spacer to crankcase.	2		1		1				
386	XD-15	SCREW, 5/16"-18 thread x 3/4" long, hexagon head	٤		1		2/				
387	XD-16	SCREW, S/16*-18 thread x 7/8* long, hexagon head	4		ī		4	0-	7		
388	XD-17	SCREW, 5/16*8 thread x i* long, hexagon head	7		2		SK-170	SK-1105-K		ı.	-
389	XD-19	SCREW, 5/16*-18 thread x 14**long, hexagon head (Special hardness)	40		2				THE PARTY OF THE P		
390	XD-20	SCREW, 5/16"-18 thread x 1-3/8" long, hexagon head (Special hardness)	4		s		4			世紀月	
392	XD-29	SCREW, 3/8"-15 thread x 1½" long, hexagan head	b		2		3	3	<b>160</b> 1		
393	XD-33	SCREW, 3/8"-16 thread x 2½" long, hexagon head	4		2	Re No	f. Part	Description	No.	Nes	Wi.
394	XD-43	SCREW, 1/2"-13 thread x 1½" long, hexagon head	4		2			FOLLOWING REPLACE STANDARD P. FLYWHEEL—Includes GIF-13 Ring Gen and tapped holes for mit'g rotating screen		35	
397	XE-55	SCREW, 5/16"-18 thread x 3/8" long, Allen head set			1		N-101-7	FLYWHEEL — for 10 cmp alternator ring gear and rotating screen	. 1		
398	XI-1	COTTER PIN, 1/16" x 1/2" long For governor yoke pin (Y-84-2 Gov.).		0.00	1		N-101-11 U-212-A	FLYWHEEL for 30 cmp alternator ring gear and rotating screen	. 1	2	
399	XI-32	COTTER PIN, 3/64" x 3/8" long	18		1	١,	SE-204C-S1	PER SK-1105-F	1	2	
400	XK-1	PLUG, 1/8" pipe, square hood	2		1	2 3		Consisting of: PH-426 Cronwet PH-442 Washers	. 1		1
401	XK-3	PLUG, 3/8" pipe, square head	l		1	4	-	SE-204-C Screen		1	8
402	XK-12	PLUG, 1" pipe, countersunk head For LD-226 exhaust manifold.	2		2	5	5E-204-D	PER SK-1105-K ROTATING SCREEN		1	
								PER \$K-1105-R		E	
Ш		19				6	5E-321	ROTATING SCREEN	. 1	2	8