ADH-AEH ENGINE MODELS

Important Notice

The manuals contained in this computer file are reproductions from the "Wisconsin Engine" counter catalog, part number "S236". This manual was last produced in the mid 1980's.

As with any printed data, the information contained in these manuals may not be the most upto-date available. It is provided as a convenience to our customers and all information should be verified before making repairs to an engine or component.

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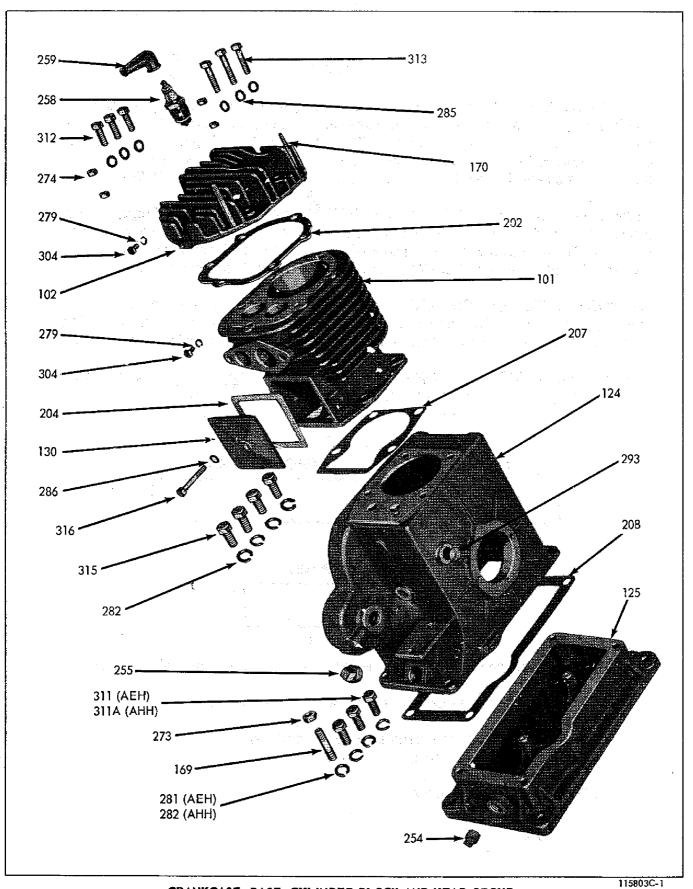
Order parts from the **WISCONSIN MOTORS**, L.L.C. Distributor or Service Center in your locality. Refer to the Yellow Pages of the Telephone Directory under **ENGINES**, or visit our website, <u>www.wisconsinmotors.com</u> to locate a distributor in your area. You can also call Wisconsin Motors toll free, 800-932-2858.

The MODEL, SPECIFICATION and SERIAL NUMBER of your engine must be given when ordering parts. The MODEL, SPECIFICATION and SERIAL NUMBER are on the engine nameplate.



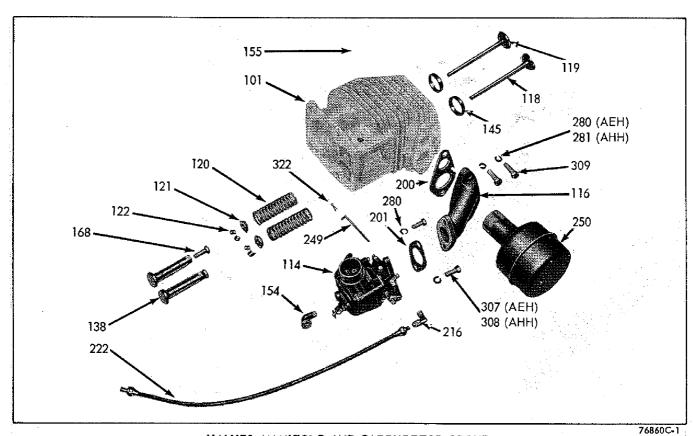
Sales Office

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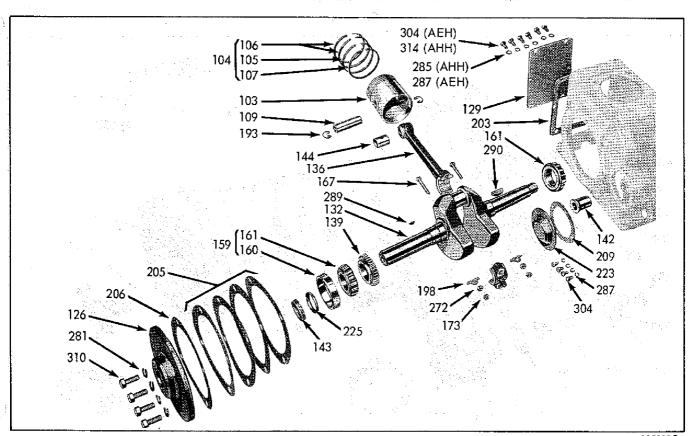


CRANKCASE, BASE, CYLINDER BLOCK AND HEAD GROUP

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

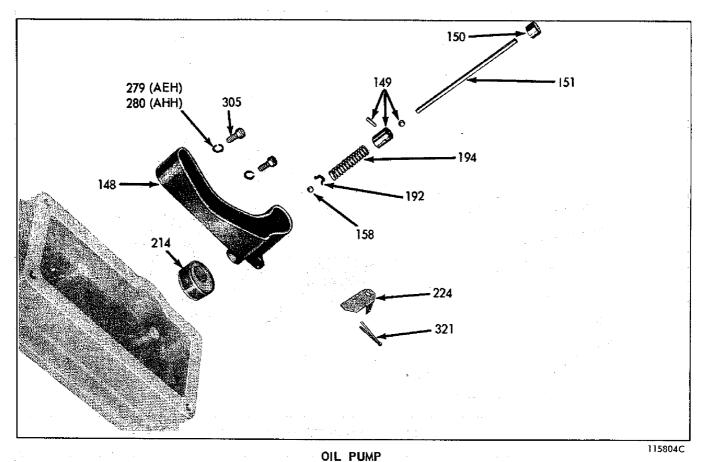


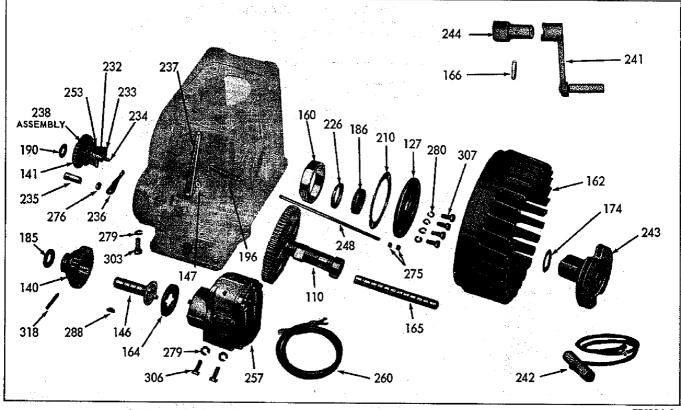
VALVES, MANIFOLD AND CARBURETOR GROUP



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

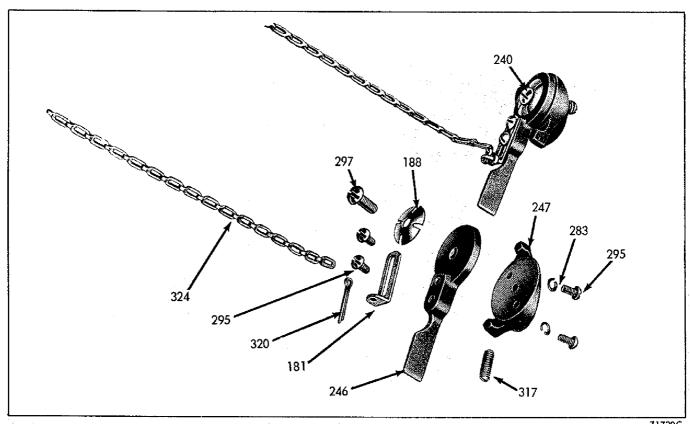
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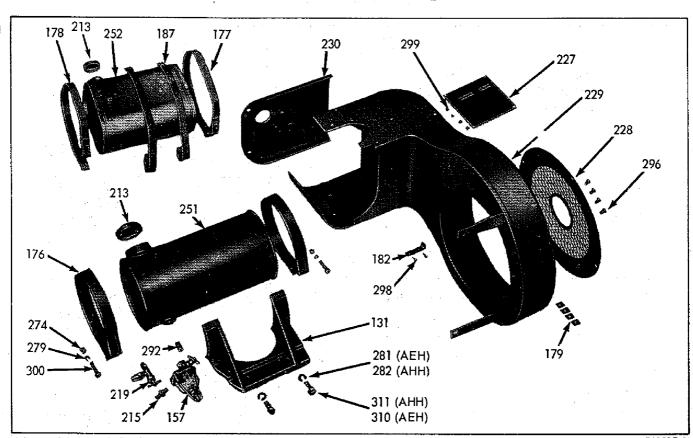
MAGNETO, GOVERNOR, CAMSHAFT AND FLYWHEEL GROUP
Parts are identified by reference number. See parts list for correct part number.

77521C-2



GOVERNOR CONTROL ASSEMBLY

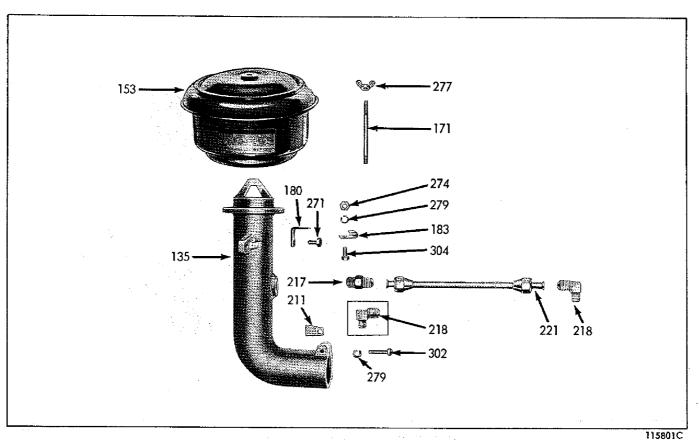
71720C



AIR SHROUDING AND FUEL TANK GROUP

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

76859C-1



AIR CLEANER MOUNTING GROUP

CARBURETOR FLANGE MANIFOLD GASKET 0 0 0 0 0 CYLINDER BASE GASKET .006" THICK .003" тніск CYLINDER HEAD GASKET 0 BEARING PLATE MAGNETO COVER GASKET O BEARING PLATE GASKET - FAN END 0 0 CONNECTING ROD INSPECTION PLATE GASKET ENGINE BASE GASKET

GASKET SET, Ref. No. 197

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

PARTS LIST FOR MODELS ADH, AE, AEH AND AEHS

REF.		PART NUMBER	₹	·	.,,	NET	WT.
NO.	MODEL ADH	MODEL AE	MODELS AEH, AEHS	DESCRIPTION	NO REQ	LB.	oz,
101	AA-72B-51	AA-74B-S1	AA-74B-S1	CYLINDER BLOCK ASSEMBLY - Complete with valves, springs, seats, locks, inserts, cover and gasket	1	. 13	
	AA-72B-S2	AA-74B-\$2	AA-74B-S2	CYLINDER BLOCK with valve seat inserts only		12	
102	AB-63-F	AB-63-D	AB-63E-2	CYLINDER HEAD	.1	2	
103	DB-158-A			PISTON, standard size DB-158 Piston replaced by DB-158-A.	1		8
		DB-209	DB-209 DB-209-1	PISTON, standard size. For speeds up to 2990 R.P.M For speeds 3000 R.P.M. and over	1 1		8 8
:				DB-209. DB-187B-5 Piston — replaced by DB-209-1. Pistons are also furnished .005", .010", .020" and .030" oversize and semi-finished.			
104	DR-5	DR-6-E	DR-6-E	PISTON RING SET, standard size	1		4
105 106	DC-106-A	DC-163-1 DC-163	DC-163-1 DC-163	SCRAPER RING, 3rd groove COMPRESSION RING, 2nd groove	1 1		1
107	(2 used) DC-107	DC-163-D DC-186	DC-163-D DC-186	COMPRESSION RING, chrome faced, top groove	1 1		1
107	20-107		(%)	Piston rings and ring sets are also furnished .005", .010", .020" and .030" oversize.	4		
109	DE-60	DE-65	DE-65	PISTON PIN, standard size	1		3
110	EA-93D-51	EA-93D-S1	EA-93D-S1	CAMSHAFT and GEAR ASSEMBLY — for cast iron crankcase. Consisting of camshaft and gear with support pin. EA-93-S1, EA-93-2-S1, EA-93A-S1, EA-93B-S1 — replaced by EA-93D-S1.	1	2	11
. :	EA-93D-S2	EA-93D-S2	EA-93D-S2	For Aluminum Crankcase EA-93-S2, EA-93-2-S2, EA-93A-S2, EA-93B-S2 - replaced		2	13
		a digwyddiad	,	by EA-93D-S2.			
114	L-45-B			CARBURETOR, Stromberg UC¾, No. 426019	1	3	10
				L-16M-3, Stromberg Model UR¼, No. 425040		4	
		L-48-F	L-48-F	CARBURETOR, Zenith 161-7, No. 0-10457(For engines beginning with Serial No. 1077369).	. 1	3	
				L-45B-2, Stromberg Model UC%, No. 426020		3	10
				L-16M-3, Stromberg Model UR%, No. 425040			
٠.				NOTE: See carburetor bulletins in back of manual for service replacement parts list.	· · · · .		
116	LD-232	LD-232	LD-232	MANIFOLD (For engines beginning with Serial No. 144062)	1	1	9
				LD-197-C Manifold (For engines to and including Serial No. 144061)		2	
:							
						1	
						l .	

Order parts from nearest **SERVICE STATION** shown in directory following parts list. **IMPORTANT:** Always give Model, Specification and Serial Numbers as shown on name plate.

Ref.	Part Number	Description	No. Reg	$\overline{}$	Wt.	Ref.	Part Number	Description	No. Req		
118	AE-75-B AE-75-D	VALVES - Inlet and Exhaust (Std.) STELLITE EXHAUST VALVE (AEHD).	2		4 4	129	BH-104	CONNECTING ROD INSPECTION PLATE	l l	LD	6
		Valves are also furnished with .004" oversize stem.				130	BH-105	VALVE TAPPET INSPECTION PLATE	1		3
120	AF-49-A	VALVE SPRING - Inlet & Exhaust (std.) 2-5/16" free length.	2		2	137	BI-170-E	FUEL TANK BRACKET (Sheet Steel) BI-170C-1 (Cast Iron) replaced by	1	1	12
	AF-51	VALVE SPRING - AEHD with Stellite	1		2			BI-170-E. For service, order BI-170E with 2 PG-517			
	AF-54	Exhaust Valve - 1-31/32" free length. VALVE SPRING - AEHD with Stellite Exhaust Valve and Rotator Seat	1		2	. 		straps for WE-14-K round tank or 2 PG-518 straps for WE-37-F oval tank.			
		1-13/16" free length.				132		CRANKSHAFT ASSEMBLY	1	12	
121	AG-26	SEAT for valve springs — Inlet and Exhaust (std.)	2		1	-		1 Crankshaft			
	AG-31	ROTATOR SEAT — AEHD with Stellite Exhaust Valve	1		1		÷	1 GA-31 Gear 2 ME-84 Bearings 1 PL-55 Key			
122	AH-9	LOCK for valve spring seat	2 рг		1			NOTE: The part number of the crank-			
124		CRANKCASE ASSEMBLY	1	22				shaft will be found stamped on the cheek facing the take-off end of the shaft as illustrated in Fig. 2. ORDER BY THIS NUMBER and by giving the Model, Specification and Serial Numbers of the engine.			
		NOTE: The part number of the crank- case is stamped on the face of the mag- neto mounting pad as shown in Fig. 1.							-		
		ORDER BY THIS NUMBER and by giv- ing the Model, Specification and Serial Numbers of the engine.					• •				
	•							PART NO.			
		AD C	-	,		135	B1-268-S1	Fig. 2 141332C-1 AIR CLEANER BRACKET ASSEMBLY Consisting of: 1 BI-288 Bracket 1 QD-647 Gasket 1 XB-20 Screw	1	-	1
125	DD 101 A	PART NO. Fig. 1 173776C			-	136	DA-49-A-S1	CONNECTING ROD ASSEMBLY	1	1	6
125	BB-101-A	ENGINE BASE	1	11	8						
126	BG-106-7-S1	MAIN BEARING PLATE ASSEMBLY Take-off end. Consisting of: 1 BG-106-7 Plate 1 HF-238 Seal	1	4				DA-49-S1 Connecting Rod Assembly — replaced by DA-49-A-S1, Connecting rods are also furnished			
		1 HF-238 Seal 1 SD-31 Retainer						.010", .020" and .030" undersize.			
	BG-106-7-52	MAIN BEARING PLATE ASSEMBLY Take-off end. Consisting of: 1 BG-106-7 Plate 1 HF-238 Seal 1 ME-59-1 Bearing cup		4	4	138	F-63	VALVE TAPPET with PB-169-A lock- screw	2		4
		1 SD-31 Retainer				139	GA-31	CRANKSHAFT GEAR	1		8
127	BG-126-ST	BEARING RETAINER PLATE ASSEMBLY - Flywheel end. Consisting of: 1 BG-126 Plate	1		14	140	GD-80 GD-98	MAGNETO DRIVE GEARGOVERNOR GEAR	1		11 8
		1 PH-193 Seal 1 SD-39 Retainer				142	HC-43	BUSHING for magneto drive shaft	1		3

Order parts from nearest SERVICE STATION shown in directory following parts list.

Ref.	Part Number	Description	No. Reg	Net Lb	W ₁	Ref.	Part Number	Description		Net Lb	
143	HF-238	CORK OIL SEAL	1		1	167	PB-148-S1	CONNECTING ROD BOLT ASSEMBLY	2		2
144	HG-133-A-1	For bearing plate — Take-off end. PISTON PIN BUSHING	1		1			Consisting of: 1 PB-148 Bolt 1 PD-10 Nut 1 PD-181 Palnut			
145	HG-201 HG-201-D	VALVE SEAT INSERT, standard	2	, .	1	168	PB-169-A	VALVE TAPPET ADJUSTING SCREW For F-63 tappet. PB-147 Screw with PD-141 nut for ob-	2		1
		INSERT for AEHD and AEHSD engines with Stellite valve	1		1	169	PC-133	solete FA-40 and FA-40-C tappets. STUD for mounting engine base — below			
146	JD-335	MAGNETO DRIVE SHAFT	1		8			governor housing	1		1
147	JK-52	'O' RING for governor lever fulcrum pin PH-310 Oil Seal (available for service)	1		1	170	PC-316 PC-372	STUD for air shroud cover to cyl. head	2		1
		replaced by JK-52—but not interchange- able unless complete TC-377-5 Fulcrum						STUD for mounting air cleaner to bracket	1		l l
148	KA-57-1	Pin and Lever assembly, which includes JK-52 'O' ring, is ordered. OIL PUMP BODY and SPLASH TROUGH	1	1	4	173	PD-181	PALNUT for connecting rod bolt — 5/16"-24	2		1
149	KF-14-5î	KA-57 - replaced by KA-57-1. OIL PUMP PLUNGER ASSEMBLY Consisting of:	1		2	174	PE-73	Nut and Cotter Pin. LOCKWASHER, 7/8" External Everlock	1		1
		1 KF-14 Plunger 1 ME-38 Ball 1 PA-217 Pin				176	PG-517	For starting nut or sheave. FUEL TANK STRAP for WE-14K round			
150	KF-19-A	CAP for oil pump plunger push rod	1		1	177	PG-518	FUEL TANK STRAP for WE-37F oval	2		4
151	KF-26	PUSH ROD for oil pump plunger	1		2	178		tank and sheet stee! bracket	2		7
153	LO-24	AIR CLEANER, UNITED SPECIALTIES No. T-12-B1 Service parts: United Specialties No's. 179B1 Cap and filter assembly	1	1	12			out from the factory, are not serviceable in the field. Order either of the above straps with 2 each PD-77 Nuts, PE-3 Lockwashers and XA-88 Screws.			
154	L.O-38	176B1 Oil cup	1 1 1		10 1 1		·	PG-84 Straps for WE-14K round tank and cast iron bracket	2		4
		BLY for Stromberg carburetor	1		1	179	PG-315	CLIP for flywheel screen mounting	4		1
155	L0-67	BREATHER ASSEMBLY in cylinder block	1		3	180	PG-343	BRACE for mounting air cleaner bracket to shroud	1		1
157	LP-43	FUEL STRAINER (small) Tillotson No. OW-480-5 LP-19 Strainer (large) Tillotson OW-418T	1		3	181	PG-358	ADJUSTING STRAP	1		.1
		NOTE: See illustration in back of parts list for service replacement parts of fuel strainer.				182	PG-412	BRACKET for governor adjusting screw	1		1
158	ME-38	CHECK BALL for oil pump, 5/16" dia.				183	PG-430	CLIP for spark plug wire	1		1
150	WE 04	steel	1		1	185	PH-191	For magneto drive shaft.	1		1
160	ME-84	MAIN BEARING ASSEMBLY Consisting of: 1 ME-59-1 Bearing Cup (Timken 14276)	2		12 5	186	PH-193	CORK OIL SEAL for bearing plate — flywheel end	1		1
161	NC-143	1 ME-84-1 Bearing Cone (Timken 14130) FLYWHEEL	1	15	12	187	PH-244	FELT PACKING for PG-99 or PG-518 fuel tank straps	2		1
164	OA-130-B	MAGNETO COUPLING DISC	3-		ı	188	PH-282	FRICTION WASHER	1		1
165	PA-218	CAMSHAFT SUPPORT PIN	1		6	190	PH-313	SHIM for governor sleeve	1		1
166	PA-239	PIN for starting crank nut	1		1	192	PK-50-A	RETAINER for oil pump check ball PK-50 Retainer - replaced by PK-50-A.	1		1

Order parts from nearest SERVICE STATION shown in directory following parts list.

Ref. No.	Part Number	Description		Net Lb			Part Number	Description	No. Reg		Oz
193	PK-52	RETAINING RING for piston pin	2		1		RF-269	STRAIGHT FITTING For fuel line - in strainer.	1		1
194	PM-58 PM-140	SPRING for oil pump plunger	1		1	216	RF-270	ELBOW for fuel line — in carburetor	1		1
.,,	PM-141	free length of coils	1		1	217	RF-295	STRAIGHT FITTING in air cleaner			
		GOVERNOR SPRING, 5/16"diα.x 1-9/16" free length of coils	1		1	218	RF-296	bracket for breather line	1		1
	PM-142	free length of coils	1		1	-	KF-290	ELBOW in cylinder block for breather line	1		1
		NOTE: Three different springs are required to give the full range of speeds on these models of engines. Determine the part number of the spring by the dimensions shown above.				219	RG-22	SHUT-OFF VALVE for fuel line (Mounted in tank when fuel strainer is not used).	1		2
197	Q-5-A	GASKET SET (For engines beginning with Serial 144082)	.1		6	221	RM-469	BREATHER LINE, air cleaner bracket to cylinder block. For engines with Zenith Carburetor			3
		1 QC-58 9 QD-487-A 2 QD-515 1 QD-484 1 QD-497-B 1 QD-518 1 QD-485 1 QD-488				222	RM-773	FUEL LINE, tubing with nuts, 17-5/8" long. For engines with fuel strainer in tank	1		5
		Q-5 Gasket Set (For engines to and including Serial 144061)			6	223	SA-49	RM-472 Fuel Line—replaced by RM-773. RM-1150 Fuel Line, 18-1/8" long For engines with shut-off valve in tank.			6
198	QA-113	CONNECTING ROD SHIM, .002" thick	2 .		.1	1 1 .	SA-87	COVER PLATE for magneto drive gear COVER for oil pump trough	1		1
		(Beginning with engine Serial 697597). For DA-49A-S1 Connecting rod. QA-107 Connecting Rod Shim, 1/8* thick				225	5D-31	RETAINER for crankshaft oil seal,			1
200	QC-56-B	(For engines to and including Serial No. 697596) For DA-49-S1 Connecting rod.			_	226	SD-39	RETAINER for crankshaft oil seal, fly- wheel end	1		1
		QC-56-A Gasket-replaced by QC-56-B.	1		1	227	SD-53-F	ENGINE INSTRUCTION and NAME	1		
201	QC-58	(Beginning with engine Serial 144062). QC-53 Gasket for carburetor (For engines to and including Serial 144061)	1		1			When ordering name plate, give Model, Specification and Serial Numbers for correct stamping.			1
202	QD-484	GASKET for cylinder head	1		1	228	\$E-6	FLYWHEEL SCREEN, for engines with tope starter sheave	1		11
203	QD-485	GASKET for connecting rod inspection plate	1		1			SE-6-3 Flywheel Screen, for engines with hand crank starting	1		14
204	QD-486	GASKET for valve tappet inspection	1		1	229	SE-70	AIR SHROUD	1	6	
205	QD-487-A	GASKET for main bearing plate, take-off end, .006" thick	9		1.	230	SE-72	COVER for air shroud	1		11
206	QD-487-B	GASKET for main bearing plate, take-off end, .003" thick	1		1	232	TC-370-B	GOVERNOR GEAR SLEEVETC-370 Sleeve - replaced by TC-370-B.	1		2
207	QD-488	GASKET for cylinder base	1		1		TC-371-A	GOVERNOR FLYWEIGHTTC-371 Flyweight—replaced by TC-371A	2		1
208	QD-489-B	GASKET for engine base	1		1	234	TC-372	GOVERNOR PLUNGER	1		1
210	QD-515 QD-518	GASKET for magneto drive cover plate	3		1	235	TC-373	GOVERNOR SHAFT	1		2
211	QD-647	GASKET for bearing plate, flywheel end GASKET for air cleaner bracket clamp	1		1	236	TC-375	INNER GOVERNOR LEVER	1		1
213 214	RC-87 RD-107	CAP for fuel tank	1		1 2 1	237	TC-377-5	OUTER GOVERNOR LEVER and FUL- CRUM PIN with JK-52 'O' Ring	1		2

Order parts from nearest **SERVICE STATION** shown in directory following parts list. **IMPORTANT:** Always give Model, Specification and Serial Numbers as shown on name plate.

-52 -52 -68 -74-\$1	GOVERNOR FLYWEIGHT ASSEMBLY Consisting of: 1 GD-98 Gear 1 TC-370-B Sleeve 2 TC-371-A Flyweights 1 TC-372 Plunger 2 XJ-45 Rivets GOVERNOR CONTROL ASSEMBLY Consisting of: 1 PG-358 Strap 2 PE-14 Washer 1 PH-282 Washer 4 XA-7 Screw 1 VB-145 Lever 1 XA-35 Screw 1 VC-29 Disc 1 XE-47 Screw 1 #1/10 Safety Chain 1 XI-7 Pin STARTING CRANK STARTING ROPE	1	Lb	12	No.	Y-58 Y-64 YD-6-51	Description MAGNETO, 'WICO' No. XH-150	Req	5 6	0:
-52 :12 :68 :22	Consisting of: 1 GD-98 Gear 1 TC-370-B Sleeve 2 TC-371-A Flyweights 1 TC-372 Plunger 2 XJ-45 Rivets GOVERNOR CONTROL ASSEMBLY Consisting of: 1 PG-358 Strap 2 PE-14 Washer 1 PH-282 Washer 4 XA-7 Screw 1 VB-145 Lever 1 XA-35 Screw 1 VC-29 Disc 1 XE-47 Screw 1 #1/10 Safety Chain 1 XI-7 Pin STARTING CRANK STARTING ROPE	1	P. C.		258	Y-64	Y-20-D Wice No. C-150C Magneto — replaced by Y-58. MAGNETO, 'EDISON' AJi-Spec. 72020 Y-56 Edison 03884 Magneto — replaced by Y-64. NOTE: These engines are equipped with any one of the magnetos listed above. See magneto bulletins in back of man-			
212 268 222	2 TC-371-A Flyweights 1 TC-372 Plunger 2 XJ-45 Rivets GOVERNOR CONTROL ASSEMBLY Consisting of: 1 PG-358 Strap 2 PE-14 Washer 1 PH-282 Washer 4 XA-7 Screw 1 VB-145 Lever 1 XA-35 Screw 1 VC-29 Disc 1 XE-47 Screw 1 # 1/10 Safety Chain 1 XI-7 Pin STARTING CRANK STARTING ROPE		1	10	258		Y-56 Edison 03884 Magneto—replaced by Y-64, NOTE: These engines are equipped with any one of the magnetos listed above. See magneto bulletins in back of man-		6	
212 268 222	Consisting of: 1 PG-358 Strap 2 PE-14 Washer 1 PH-282 Washer 4 XA-7 Screw 1 VB-145 Lever 1 XA-35 Screw 1 VC-29 Disc 1 XE-47 Screw 1 # 1/10 Safety Chain 1 XI-7 Pin STARTING CRANK STARTING ROPE U-218-A, replaced by U-268. ROPE STARTER SHEAVE		1	10	258	YD-6-S1	any one of the magnetos listed above. See magneto bulletins in back of man-			
268	1 VB-145 Lever 1 XA-35 Screw 1 VC-29 Disc 1 XE-47 Screw 1 # 1/10 Safety Chain 1 XI-7 Pin STARTING CRANK STARTING ROPE U-218-A, replaced by U-268. ROPE STARTER SHEAVE		1		258	YD-6-S1		!		
268	STARTING CRANK STARTING ROPE U-218-A, replaced by U-268. ROPE STARTER SHEAVE		1	i	1	or	SPARK PLUG, 18mm, Champion # D-16	1		
268	STARTING ROPEU-218-A, replaced by U-268.		1	7		YD-6-\$2	SPARK PLUG, 18mm, AC #C86 Com- mercial			
222	U-218-A, replaced by U-268. ROPE STARTER SHEAVE	1	1	4	259	YD-12	SPARK PLUG SAFETY NIPPLE	1		1
	,	١.			260	YL-120	IGNITION WIRE, for Wico Model XH, Fairbanks-Morse and Edison magnetos	1		-2,
-74-\$1		1	1	6			YL-83 ignition Wire with loop terminal			
	STARTING CRANK NUT ASSEMBLY Consisting of: 1 PA-239 Pin	1		10			at magneto end	1		2
	l UC-74 Cronk nut									
-145	GOVERNOR CONTROL LEVER	,1		3						
-29	FRICTION DISC for governor control	1		4						١.
-150-2	GOVERNOR SPRING ADJUSTING SCREW	1		1			STANDARD HARDWARE			
-438	CONTROL ROD to corburetor	1		1			The following pins, nuts, capscrews,			
-66-A-\$1	MUFFLER	1		14			washers and etc., are of a common hard- ware variety and can be purchased from local plumbing, hardware or accessory stores.			
-14-K	FUEL TANK, round, with RC-87 Cap, 1.35 gal. capacity	1	2	7	271	PB-160	SCREW, ¼"-28 thread x ½" long, hexagon head	1		1
-37-F	FUEL TANK, oval, with RC-87 Cap,	1	3	5			bracket.			
	WE-37-C, replaced by WE-37-F. NOTE: Fuel tanks are mounted to the				272	PD-10	NUT, 5/16"-24 thread, hexagon steel For connecting rod bolts.	2		1
	which is not serviceable in the field. When replacing fuel tank, be sure and				273	PD-11	NUT, 3/8"-24 thread, hexagon steel For engine base stud.	1		1
-45	RIVET for governor flyweight	2	area area area area area area area area	1	274	PD-77	NUT, ¼"-20 thread, hexagon steel	8		1
:-4	PIPE PLUG, 1/2" square head	2		2			2-for fuel tank straps. 1-for spark plug wire clip. 1-for air cleaner brace to shroud.			
	XK-3, 3/8" Plug, replaced by XK-4 (not interchangeable).	, i			275	PD-115	NUT, No. 10-32 thread, hexagon steel	2		1
-4	PiPE PLUG, 1/2" square head	2		2	276	PD-141	NUT, 5/16*-24 thread, hexagon steel	1		1
72	MAGNETO, 'FAIRBANKS-MORSE' No. FM-X1A7	ì	4	14	277	PD-147	For governor lever. WING NUT, 1/4"-20 thread	1		1
	Y-34 Fairbanks-Morse No. FM-J1A7 — replaced by Y-72.						For mounting air cleaner.			
	45 .4 .4	WE-14-A, replaced by WE-14-K. FUEL TANK, oval, with RC-87 Cap, 2.75 gal. capacity WE-37-C, replaced by WE-37-F. NOTE: Fuel tanks are mounted to the tank bracket with steel binder strapping which is not serviceable in the field. When replacing fuel tank, be sure and order correct replacement straps. RIVET for governor flyweight	WE-14-A, replaced by WE-14-K. FUEL TANK, oval, with RC-87 Cap, 2.75 gal. capacity	WE-14-A, replaced by WE-14-K. FUEL TANK, oval, with RC-87 Cap, 2.75 gal. capacity	WE-14-A, replaced by WE-14-K. FUEL TANK, oval, with RC-87 Cap, 2.75 gal. capacity	WE-14-A, replaced by WE-14-K. 37-F FUEL TANK, oval, with RC-87 Cap, 2.75 gal. capacity 1 3 5 WE-37-C, replaced by WE-37-F. NOTE: Fuel tanks are mounted to the tank bracket with steel binder strapping which is not serviceable in the field. When replacing fuel tank, be sure and order correct replacement straps. 45 RIVET for governor flyweight	WE-14-A, replaced by WE-14-K. 37-F FUEL TANK, oval, with RC-87 Cap, 2.75 gal. capacity WE-37-C, replaced by WE-37-F. NOTE: Fuel tanks are mounted to the tank bracket with steel binder strapping which is not serviceable in the field. When replacing fuel tank, be sure and order correct replacement straps. 45 RIVET for governor flyweight	WE-14-A, replaced by WE-14-K. 37-F FUEL TANK, oval, with RC-87 Cap, 2.75 gal. capacity	WE-14-A, replaced by WE-14-K. FUEL TANK, oval, with RC-87 Cap, 2.75 qal. capacity	WE-14-A, replaced by WE-14-K. FUEL TANK, oval, with RC-87 Cap, 2.75 qal. capacity

Order parts from nearest SERVICE STATION shown in directory following parts list.

Ref.	Part	Description	No.	Net		Ref	1	Description	No.		
No,	Number			Lb	Oz	No.	Number	Description	Req	LЬ	0
279	PE-3	LOCKWASHER, % Positive	12		1	299	XA-67	SCREW, Parker-Kalon No. 4 x ¼" long, type A, self-tapping round head screw For mounting name and instruction plate.	4		
		l-for air shroud to cylinder block. l-for spark plug wire clip.				300	XA-88	SCREW, 1/4-20 thread x 1-5/8" long, round head for fuel tank straps	2		
		2-for air cleaner brace and bracket. 1-for governor gear stop screw.				302	XB-20	SCREW, %"-20 thread x 1" long, fillister head	. 1	-	
280	PE-4	4-for main bearing plate—flywheel end. 2-for mounting manifold, 2-for mounting carburetor.	8		1	303	XB-82	SCREW, ¼"-20 thread x 7/8" long, socket head capscrew for governor gear stop	1		
281	PE-5	LOCKWASHER, 3/8" Positive	10		1			1956917. TC-379 Stop Pin and 2 XI-1 Cotter Pin (available for service) for engines to and including Serial No. 1956916. Replaced by XB-82 Screw and PE-3 Lock-			
282	PE-7	For mounting cylinder block to crank- case.	4		1	304	XD-4	washer, but not interchangeable. SCREW, %*-20 thread x %* long, hexagon head	13		
283	PE-14	LOCKWASHER, No. 10 Positive	2		1			l-for air shroud to cylinder head. l-for shroud to cylinder block.			i
285	PH-22	PLAIN WASHER, 3/8" I.D. x 11/16" O.D. x 1/16" thick, steel	6		1	305	XD-5	6-for connecting rod inspection plate. 1-for air cleaner brace to shroud.			
286	PH-30	PLAIN WASHER, ½"I.D. x 7/16" O.D. x 1/16" thick, copper	1		1	306		SCREW, 1/4-20 thread x 5/8* long, hexagon head	2		
287	PH-30-A	PLAIN WASHER, ½"I.D. x 7/16" O.D. x 1/16" thick, steel	10		1			SCREW, 1/20 thread x 3/4" long, hexagon head	2		
288	PL-14	4-for magneto drive cover. WOODRUFF KEY, No. 5	1		1	307	XD-15	SCREW, 5/16"-18 thread x 3/4" long, hexagon head	6		
289	PL-55	For magneto drive gear. WOODRUFF KEY, No. 6	1		1	309	XD-21	2-for mounting carburetor. SCREW, 5/16"-18 thread x 1½" long,			
290	PL-87	WOODRUFF KEY, No. 22, for flywheel	1		1			hexagon head	2		1
292	RF-794	PIPE NIPPLE, 1/8" x 3/4" long	1		1	310	XD-26	SCREW, 3/8"-16 thread x 7/8" long, hexagon head	6		 :
İ	SA-13	EXPANSION PLUG, 3/4"	1		1			4-for main bearing plate - take-off end. 2-for mounting fuel tank bracket.			
295	XA-7	SCREW, No. 10-32 thread x 3/8* long, round head	4		1		XD-28	SCREW, 3/8"-16 thread x 1-1/8" long, hexagon head	. 3		
296	XA-33	SCREW, ½*-20 thread x 3/8* long, round head	4		1	312		SCREW, 3/8"-16 thread x 1½" long, hexagon head	3		2
297	XA-35	SCREW, ¼"-20 thread x 5/8" long, round head	1		1	313	XD-30 XD-135	SCREW, 3/8*-16 thread x 1½" long, hexagon head	3		2
298	XA-65	disc. SCREW, Parker-Kalon No. 8 x ½° long, type A, self-tapping round head screw For governor adjusting screw bracket.	2		1			For mounting cylinder block to crank- case.	4		

Order parts from nearest SERVICE STATION shown in directory following parts list.

Ref. No.	Part Number	Description	No. Req	Net Lb	W
316	XD-10	SCREW, ½"-20 thread x 1½" long, hexagon head	1		1
317	XE-47	SET SCREW, ¼"-20 thread x ¾" long, headless	1		1
318	XH-11	TAPER PIN, No. 2 x 1½" long	1		1
320	X1-7	COTTER PIN, 3/32" dia. x,3/4" long, steel	1		1
321	X1-20	COTTER PIN, 1/8" dia. x 1½" long, steel	1		1
322	XI-32	COTTER PIN, 3/64" dia. x 3/8" long, steel	1		1
324		No. 1/10 SAFETY CHAIN (10 links) For governor control adjusting strap to governor spring.	l pc		1
					-

Order parts from nearest **SERVICE STATION** shown in directory following parts list. **IMPORTANT**: Always give Model, Specification and Serial Numbers as shown on name plate.