

GROUP 05—COOLING SYSTEM

0501—RADIATOR

G503-0131549	FM-GPW-8100-A	WO-A-1215	CAP, filler, radiator, assembly (AC-846709).....	1	.407
H106-0103647	FM-9N-8115	WO-A-6942	CAP, filler, radiator, assembly (<i>Note 1</i>).....	1	
	FM-GPW-8005	WO-A-1126	COCK, drain, radiator (1/4 in.) (WH-145-A) (EAT-IE-1212).....	1	.0833
3320-GPW-8005-A	FM-GPW-8005-A	WO-A-1214	CORE, radiator.....	1	13.15
	FM-355762-S7		CORE, radiator, w/TANK and SHROUD, assembly.....	1	
	FM-34084-S7	WO-A-1546	BOLT, carriage, rd-hd., sq-nk., S., cd-pltd., 1/16-20NF-2 x 1 1/2 (FORD only).....	2	.0217
	FM-34708-S7	WO-A-1547	NUT, reg., hex., s-fin., S., cd-pltd., 1/16-20NF-2.....	4	
	FM-356314-S7	WO-53027	WASHER, plain, S., cd-pltd., 1/16 in.....	2	
		WO-A-6941	WASHER, lock, internal-external tooth, S., cd-pltd., 1/16 in.....	2	
G103-1593621	FM-K-7129-B	WO-A-1216	CORE, radiator, w/SHROUD, assembly (<i>Note 1</i>).....	1	
	FM-GPW-8133	WO-A-1217	GASKET, radiator filler cap (AC-846732).....	1	.0167
H001-4167560	FM-33798-S7	WO-A-1532	ROD, brace, radiator core.....	1	.163
H001-7Q25711	FM-34806-S7	WO-51833	NUT, reg., hex., s-fin., S., cd-pltd., 5/16-24NF-2 (GM-103025).....	3	
	FM-GPW-8125-A	WO-A-4413	WASHER, lock, reg., S., cd-pltd., 5/16 in.....	3	
			SHIM, radiator core to support bracket.....	2	.006

0501C—SURGE TANK

(Only for Vehicles Modified by FSMWO-G503-W1)

	WO-A-6947	CLAMP, radiator surge tank connecting hose (5/8 in.).....	4	
	WO-A-6946	HOSE, connecting, radiator surge tank tube.....	2	
	WO-A-11121	PLATE, tapping, radiator surge tank.....	2	

Note 1—Only for vehicles modified by FSMWO-G503-W1 (see page 3)

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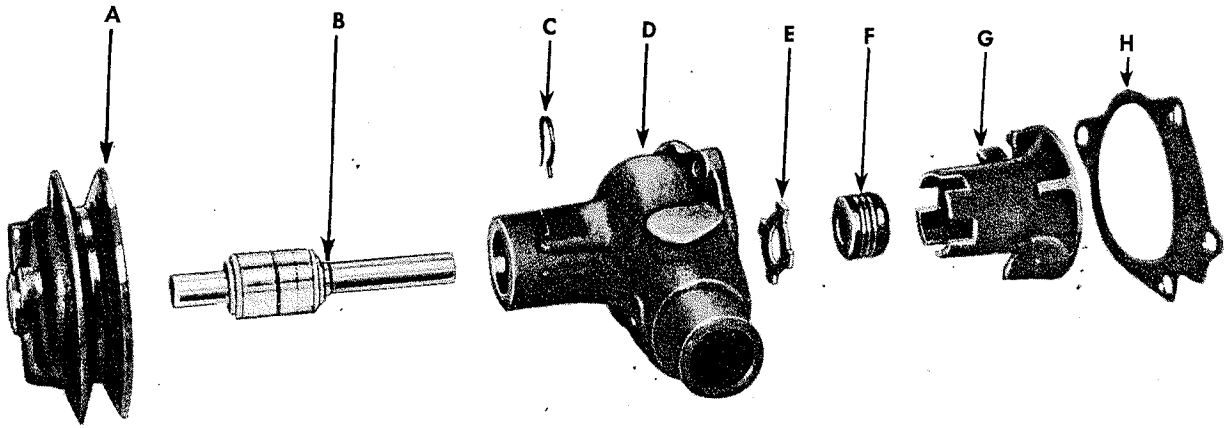
GROUP 05—COOLING SYSTEM

0501C-0503

Figure Number	Official Stock Number	Piece Mark or Part Number		ITEM	Quant. Req'd. per Unit Assy.	Unit Price
		Ford No.	Willys No.			
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7
				0501C—SURGE TANK (Cont'd) (Only for Vehicles Modified by FSMWO-G503-W1)		
	H001-7025685		WO-A-6949	STRAP, mounting, radiator surge tank.....	2	
			WO-52161	NUT, mach., screw, hex., S., 1/4-28NF-2.....	4	
			WO-52468	SCREW, mach., hex-hd., S., 1/4-28NF-2 x 5/8.....	4	
			WO-53058	WASHER, lock, reg., S., 1/4 in.....	4	
	H101-0121668		WO-A-11176	SHIELD, radiator surge tank, assembly.....	1	
			WO-52168	BOLT, hex-hd., S., 1/4-20NC-2 x 5/8.....	2	
			WO-53195	BOLT, hex-hd., S., 1/4-20NC-2 x 1 1/4 (for tapping plates).....	2	
			WO-52217	NUT, reg., hex., S., 1/4-20NC-2.....	2	
			WO-52031	WASHER, lock, reg., S., 1/4 in.....	4	
			WO-50937	WASHER, plain, S., 1/4 in.....	6	
			WO-A-6933	TANK, surge, radiator, assembly.....	1	
			WO-A-6945	TUBE, radiator surge tank.....	1	
				0502—THERMOSTAT		
01-4	3320-GPW-8578	FM-GPW-8578	WO-639651	RETAINER, thermostat.....	1	.0239
01-4	G503-040093	FM-GPW-8575	WO-637646	THERMOSTAT, assembly (HR-3108628).....	1	.424
				0503—WATER PUMP		
		FM-GPW-8530-A		BEARING, water pump, w/SHAFT, assembly, FM-GPW-18515-B (superseded by BEARING, assembly, FM-GPW-8530, WO-636297).....	1	
01-4, 05-1	H012-0900105	FM-GPW-8530	WO-636297	BEARING, water pump, w/SHAFT, assembly (double row, annular) (ND-885141) (MRC-D2-13567) (HO-88541) (also in KIT, FM-GPW-18515-B, WO-A-6839) (supersedes BEARING, assembly, FM-GPW-8530-A).....	1	
		FM-GPW-8548	WO-640032	BELLOWS, water pump seal.....	1	
05-1	3320-GPW-8505	FM-GPW-8505	WO-637052	BODY, water pump.....	1	
05-1	G503-0194016	FM-GPW-8543	WO-637053	GASKET, water pump to cylinder block (also in KIT, FM-GPW-18515-B, WO-A-6839 and GASKET SET, FM-GPW-18387, WO-A-1536).....	1	.0098
01-4, 05-1	3320-GPW-8512	FM-GPW-8512	WO-639993	IMPELLER, water pump.....	1	.733
		FM-GPW-18515		KIT, repair, water pump (superseded by KIT, FM-GPW-18515-B, WO-A-6839).....	1	1.124
			WO-A-1539	KIT, repair, water pump (superseded by KIT, FM-GPW-18515-B, WO-A-6839).....	1	

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Key	Part Name	Ford Part No.	Willys Part No.	Group No.
A	PULLEY	FM-GPW-8509-A	WO-636299	0503A
B	BEARING, w/SHAFT, assembly	FM-GPW-8530	WO-636297	0503
C	SPRING	FM-GPW-8576	WO-636298	0503
D	BODY	FM-GPW-8505	WO-637052	0503
E	WASHER	FM-GPW-8557-A	WO-640034	0503
F	SEAL, assembly	FM-GPW-8524-A	WO-640031	0503
G	IMPELLER	FM-GPW-8512	WO-639993	0503
H	GASKET	FM-GPW-8543	WO-637053	0503

FIGURE 05-1—WATER PUMP ASSEMBLY—EXPLODED VIEW

GROUP 05—COOLING

0503-0503A

Figure Number	Official Stock Number	Piece Mark or Part Number		ITEM	Quant. Reqd. per Unit Assy.	Unit Price
		Ford No.	Willys No.			
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7
				0503—WATER PUMP (Cont'd)		
	3320-GWP-18515-B	FM-GPW-18515-B	WO-A-6839	KIT, repair, water pump (supersedes KIT, FM-GPW-18515, WO-A-1539).....	1	1.124
		FM-GPW-8530	WO-636297	(Consists of:		
		FM-GPW-8543	WO-637053	1 BEARING, w/SHAFT, assembly		
		FM-GPW-8524-A	WO-640031	1 GASKET, pump to block		
		FM-GPW-8576	WO-636298	1 SEAL, assembly		
		FM-GPW-8557-A	WO-640034	1 SPRING, retaining, bearing		
		FM-GPW-18515-C	WO-A-8774	1 WASHER, seal)		
				KIT, repair, water pump seal.....	1	
				(Consists of:		
		FM-GPW-8543	WO-637053	1 GASKET, pump to block		
		FM-GPW-8524-A	WO-640031	1 SEAL, assembly		
		FM-GPW-8576	WO-636298	1 SPRING, retaining, bearing		
		FM-GPW-8557-A	WO-640034	1 WASHER, seal)		
	G503-0345896	FM-GPW-8501	WO-639992	PUMP, water, assembly.....	1	4.855
	H001-1013018	FM-20366-S	WO-6428	BOLT, hex-hd., S., 5/16-18NC-2 x 7/8.....	3	
		FM-355442-S2	WO-51858	BOLT, hex-hd., S., 5/16-18NC-2 x 2 1/2.....	1	.0125
	H001-7025711	FM-34806-S7	WO-51833	WASHER, lock, S., cd-pltd., SAE std., 5/16 in.....	4	
	3320-GPW-8524	FM-GPW-8524	WO-639663	SEAL, water pump, assembly (superseded by SEAL, assembly, FM-GPW-8524-A, WO-640031).....	1	.163
01-4, 05-1	3320-GPW-8524-A	FM-GPW-8524-A	WO-640031	SEAL, water pump, assembly (also in KIT, FM-GPW-18515-B; KIT, WO-A-6839; FM-GPW-18515-C, WO-A-8774) (supersedes SEAL, assembly, FM-GPW-8524, WO-639663).....	1	
05-1	3320-GPW-8576	FM-GPW-8576	WO-636298	SPRING, retaining, water pump bearing (also in KITS, FM-GPW-18515-B, WO-A-6839; FM-GPW-18515-C, WO-A-8774).....	1	
		FM-GPW-8572-B	WO-640033	SPRING, water pump seal.....	1	
		FM-GPW-8557		WASHER, water pump seal (superseded by WASHER, FM-GPW-8557-A, WO-640034)	1	
01-4, 5	3320-GPW-8557-A	FM-GPW-8557-A	WO-640034	WASHER, water pump seal (also in KITS, FM-GPW-18515-B, WO-A-6839; FM-GPW-18515-C, WO-A-8774) (supersedes WASHER, FM-GPW-8557).....	1	
				0503A—FAN AND PULLEYS		
01-2, 4	G503-7036577	FM-GPW-8600	WO-A-447	FAN, assembly (HI-88632).....	1	.472
	H001-0121668	FM-20324-S2	WO-52168	BOLT, hex-hd., S., 1/4-20NC-2 x 5/8.....	4	
	G085-2102323	FM-34805-S2	WO-52706	WASHER, lock, S., SAE std., 1/4 in.....	4	
01-5	3320-GPW-8509-A	FM-GPW-8509-A	WO-636299	PULLEY, fan and water pump.....	1	.424
	3320-GPWS-8509	FM-GPW-8509		PULLEY, fan and water pump (<i>Note 1</i>).....	1	

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	FM-GPW-8240	WO-A-1124	SHIELD, fan pulley.....	1	
	FM-35676-S	WO-A-1125	WASHER, fan pulley shield (S., $1\frac{1}{32}$ I.D. x $\frac{5}{8}$ O.D.).....	6	
		WO-A-6701	WASHER, fan pulley shield retaining bolt (S., $\frac{1}{4}$ I.D. x $\frac{9}{16}$ O.D. x 0.005 thk.).....	6	
			0503B—FAN BELT		
	FM-GPW-8620	WO-A-1495	BELT, drive, fan and generator (superseded by BELT, FM-GPW-8620-A, WO-A-9490)	1	.407
	FM-GPW-8620-A	WO-A-9490	BELT, drive, fan and generator (Goodrich Neoprene) (supersedes BELT, FM-GPW-8620, WO-A-1495).....	1	
	FM-GPWS-8620-S		BELT, drive, fan and generator (<i>Note 1</i>).....	1	
			0505—ENGINE WATER FITTINGS AND HOSE		
	FM-60-8287	WO-52226	CLAMP, hose, $1\frac{13}{16}$ in. diam.....	8	.0217
	FM-GPW-8250	WO-A-1192	CLAMP, hose, $1\frac{13}{16}$ I.D., 2 slot, flat type (ORD 111618) (<i>Note 2</i>).....	2	
	FM-24408-S	WO-52911	ELBOW, engine cylinder head water outlet.....	1	1.32
	FM-34807-S2	WO-5010	BOLT, hex-hd., S., $\frac{3}{8}$ -16NC-2 x $1\frac{1}{8}$	3	
	FM-GPW-8255	WO-639650	WASHER, lock, S., SAE std., $\frac{3}{8}$ in.....	3	
			GASKET, engine cylinder head water outlet elbow (also in GASKET SET, FM-GPW-18387, WO-A-1537).....	1	.0142
	FM-GPW-8285	WO-A-6373	HOSE, radiator inlet and outlet (ORD-A7044164) (<i>Note 2</i>).....	2	
	FM-GPW-8284	WO-A-592	HOSE, radiator inlet, upper.....	2	.0391
	FM-IGT-8260	WO-630512	HOSE, radiator water outlet, lower ($1\frac{1}{2}$ I.D. x $1\frac{7}{8}$ O.D. x $4\frac{1}{4}$ long).....	1	.0551
	FM-GPW-8290	WO-A-6374	HOSE, radiator water outlet, upper ($1\frac{1}{2}$ I.D. x $1\frac{7}{8}$ O.D. x $2\frac{1}{2}$ long).....	1	.0425
	FM-GPW-8269	WO-636109	TUBE, connecting, radiator water inlet.....	1	.136
			TUBE, connecting, radiator water outlet.....	1	.261