

ENGINE GROUP

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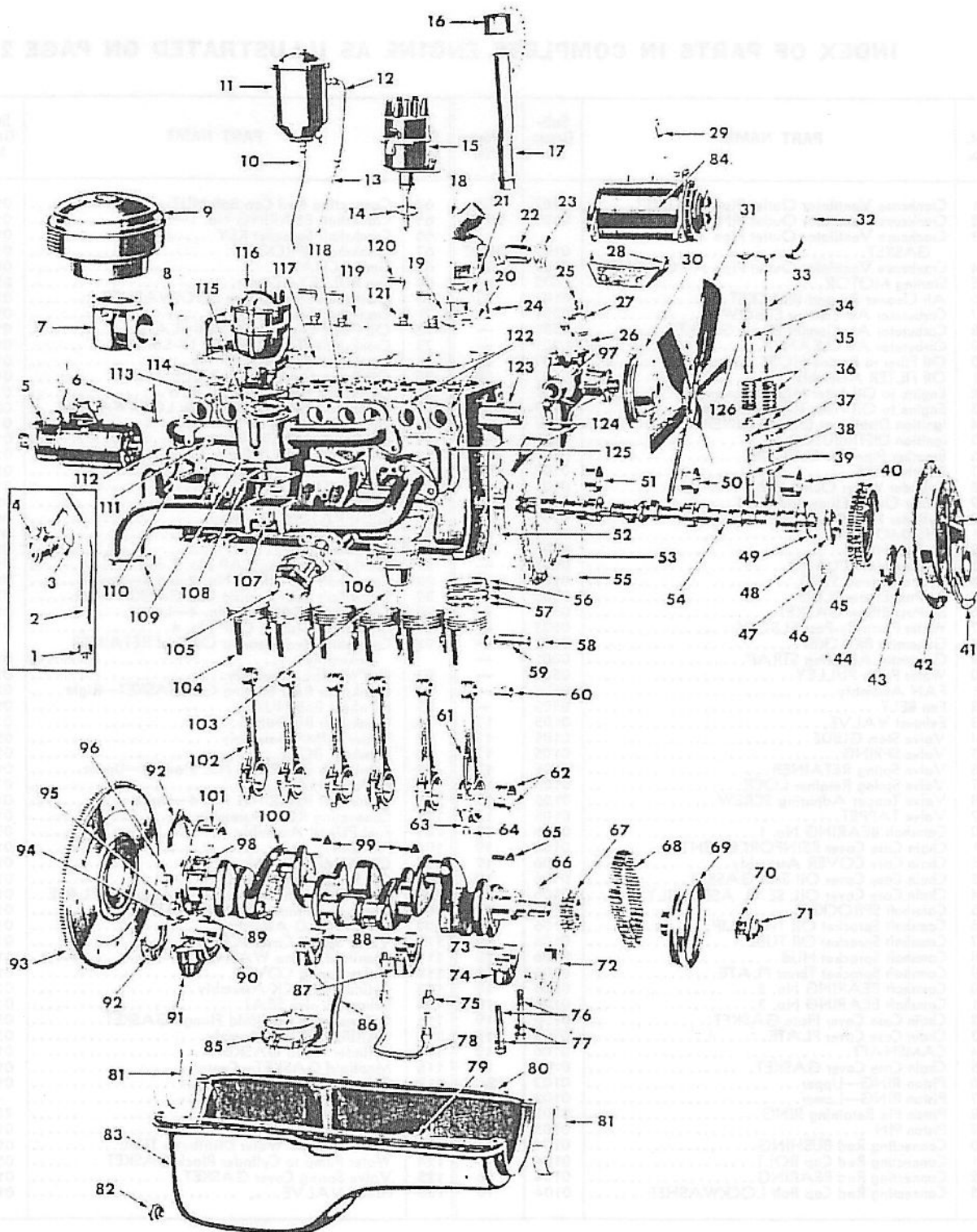
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ENGINE—GROUP 01

EXPLODED VIEW OF TYPICAL 6-CYLINDER ENGINE
SHOWING EACH PART IN ITS RELATED POSITION



USM-ENG-1A

SEE PAGES 4 AND 5 FOR PARTS CLASSIFIED AS ENGINE GROUP 01

ENGINE—GROUP 01

PAGE 3

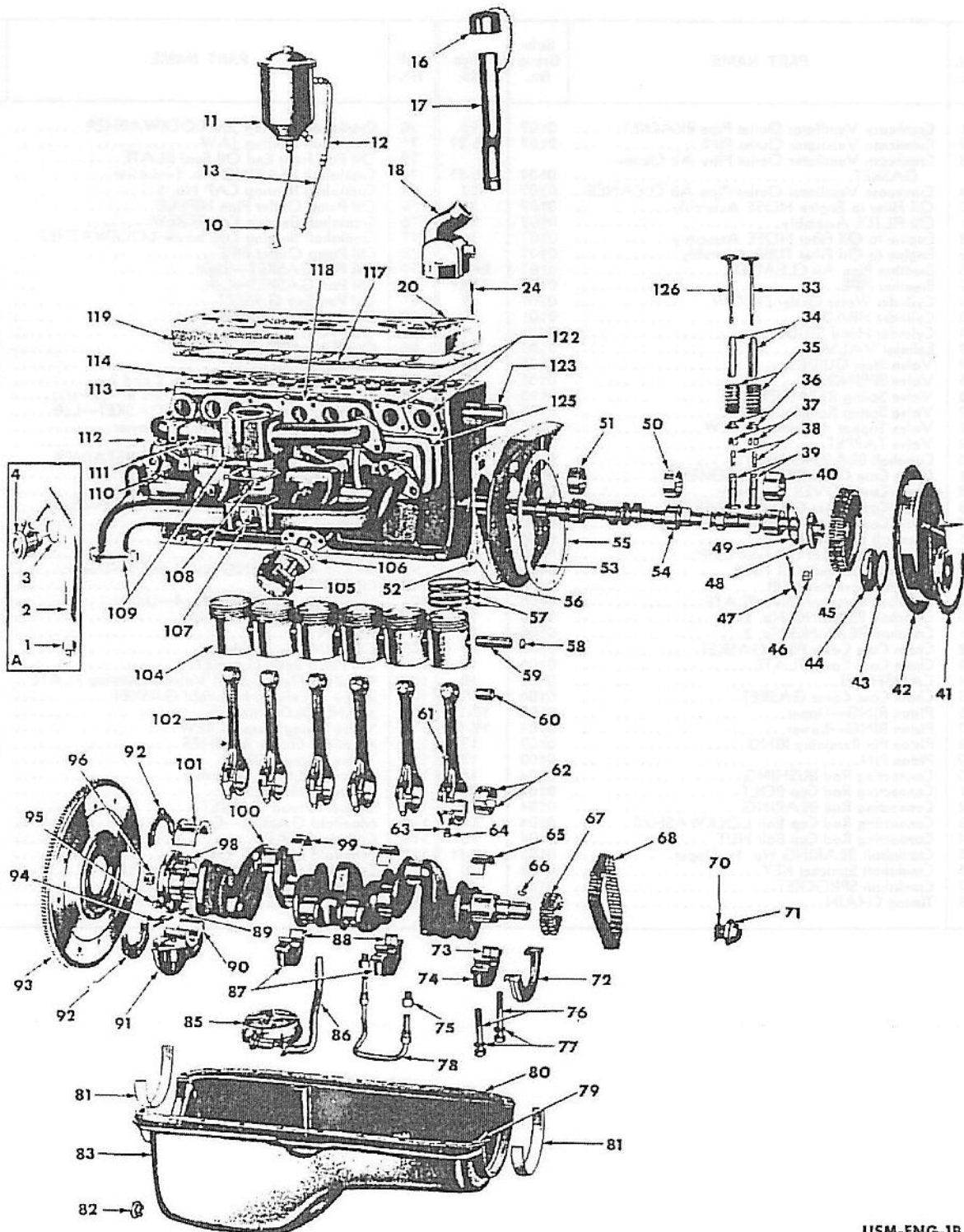
FOR EXPLODED VIEW OF ENGINE SHOWING ONLY THOSE PARTS INCLUDED
IN GROUP 01 (EXCEPT ENGINE SUPPORTS—SUB-GROUP 0110) SEE PAGE 4

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1	Crankcase Ventilator Outlet Pipe BRACKET.....	0107	26	64	Connecting Rod Cap Bolt NUT.....	0104	16
2	Crankcase Ventilator Outlet PIPE.....	0107	26-27	65	Crankshaft BEARING No. 1—Upper.....	0102	10-11
3	Crankcase Ventilator Outlet Pipe Air Cleaner GASKET.....	0107	26-27	66	Crankshaft Sprocket KEY.....	0102	10
4	Crankcase Ventilator Outlet Pipe Air CLEANER.....	0107	27	67	Crankshaft SPROCKET.....	0102	10
5	Starting MOTOR.....	0602	—	68	Timing CHAIN.....	0106	19
6	Air Cleaner Support BRACKET.....	0107	27	69	Fan PULLEY—Lower.....	0503	—
7	Carburetor Air Cleaner ELBOW.....	0301	—	70	Crankshaft Starting Jaw LOCKWASHER.....	0102	10
8	Carburetor Air Cleaner Elbow GASKET.....	0301	—	71	Crankshaft Starting JAW.....	0102	10
9	Carburetor Air CLEANER.....	0301	—	72	Oil Pan Front End Oil Seal PLATE.....	0107	25
10	Oil Filter to Engine HOSE Assembly.....	0107	31	73	Crankshaft BEARING No. 1—Lower.....	0102	10-11
11	Oil FILTER Assembly.....	0107	30	74	Crankshaft Bearing CAP No. 1.....	0102	10-11
12	Engine to Oil Filter HOSE Assembly.....	0107	31	75	Oil Pump Outlet Pipe NIPPLE.....	0107	24
13	Engine to Oil Filter TUBE Assembly.....	0107	31	76	Crankshaft Bearing Cap SCREW.....	0102	11
14	Ignition Distributor Oil RETAINER.....	0603	—	77	Crankshaft Bearing Cap Screw LOCKWASHER.....	0102	11
15	Ignition DISTRIBUTOR.....	0603	—	78	Oil Pump Outlet PIPE.....	0107	24
16	Breather Pipe Air CLEANER.....	0107	28-29	79	Oil Pan GASKET—Right.....	0107	25
17	Breather PIPE.....	0107	28-29	80	Oil Pan GASKET—Left.....	0107	25
18	Cylinder Water Outlet ELBOW.....	0101	9	81	Oil Pan End GASKET.....	0107	25
19	Water Outlet Elbow GASKET.....	0101	9	82	Oil Pan Drain PLUG.....	0107	25
20	Cylinder HEAD.....	0101	9	83	Oil PAN.....	0107	25
21	THERMOSTAT.....	0502	—	84	GENERATOR Assembly.....	0601	—
22	By-Pass HOSE.....	0503	—	85	Oil STRAINER.....	0107	24
23	By-Pass Hose CLAMP.....	0503	—	86	Oil Suction PIPE.....	0107	24
24	Cylinder Head STUD.....	0101	9	87	Crankshaft Bearing CAP No. 2 and 3.....	0102	10-11
25	By-Pass Elbow PLUG.....	0503	—	88	Crankshaft BEARING No. 2 and 3—Lower.....	0102	10-11
26	By-Pass Elbow GASKET.....	0503	—	89	Crankshaft Rear Bearing Cap GASKET—Left.....	0102	11
27	Water Pump By-Pass ELBOW.....	0503	—	90	Crankshaft BEARING No. 4—Lower.....	0102	10-11
28	Generator BRACKET.....	0601	—	91	Crankshaft Bearing CAP No. 4.....	0102	10-11
29	Generator Adjusting STRAP.....	0601	—	92	Crankshaft Rear Bearing Oil Seal RETAINER Assembly.....	0102	11
30	Water Pump PULLEY.....	0503	—	93	FLYWHEEL Assembly.....	0108	33
31	FAN Assembly.....	0503	—	94	Crankshaft Rear Bearing Cap GASKET—Right.....	0102	11
32	Fan BELT.....	0503	—	95	Flywheel Bolt NUT.....	0108	33
33	Exhaust VALVE.....	0105	17	96	Crankshaft BUSHING.....	0102	10
34	Valve Stem GUIDE.....	0105	17	97	Water PUMP Assembly.....	0503	—
35	Valve SPRING.....	0105	17	98	Flywheel BOLT.....	0108	33
36	Valve Spring RETAINER.....	0105	17	99	Crankshaft BEARING No. 2 and 3—Upper.....	0102	10-11
37	Valve Spring Retainer LOCK.....	0105	17	100	CRANKSHAFT.....	0102	10
38	Valve Tappet Adjusting SCREW.....	0105	17	101	Crankshaft BEARING No. 4—Upper.....	0102	10-11
39	Valve TAPPET.....	0105	17	102	Connecting ROD Assembly.....	0104	16
40	Camshaft BEARING No. 1.....	0106	18	103	Fuel PUMP Assembly.....	0302	—
41	Chain Case Cover REINFORCEMENT.....	0106	19	104	PISTON.....	0103	14
42	Chain Case COVER Assembly.....	0106	19	105	OIL PUMP Assembly.....	0107	22-23
43	Chain Case Cover Oil Seal GASKET.....	0106	19	106	Oil Pump Body GASKET.....	0107	22-23
44	Chain Case Cover OIL SEAL ASSEMBLY.....	0106	19	107	Manifold Heat Control Valve Adjusting PLATE.....	0108	33
45	Camshaft SPROCKET.....	0106	18	108	Intake to Exhaust Manifold GASKET.....	0108	32
46	Camshaft Sprocket Oil Tube CLIP.....	0106	19	109	MANIFOLD Assembly.....	0108	32
47	Camshaft Sprocket Oil TUBE.....	0106	19	110	Valve Spring Cover SCREW.....	0105	17
48	Camshaft Sprocket HUB.....	0106	18	111	Manifold Clamp WASHER.....	0108	33
49	Camshaft Sprocket Thrust PLATE.....	0106	18	112	Valve Spring COVER.....	0105	17
50	Camshaft BEARING No. 2.....	0106	18	113	Cylinder BLOCK Assembly.....	0101	8
51	Camshaft BEARING No. 3.....	0106	18	114	Exhaust Valve SEAT.....	0105	17
52	Chain Case Cover Plate GASKET.....	0106	19	115	Carburetor to Manifold Flange GASKET.....	0301	—
53	Chain Case Cover PLATE.....	0106	19	116	CARBURETOR Assembly.....	0301	—
54	CAMSHAFT.....	0106	18	117	Cylinder Head GASKET.....	0101	9
55	Chain Case Cover GASKET.....	0106	19	118	Manifold GASKET—Center.....	0108	32
56	Piston RING—Upper.....	0103	12-13	119	Cylinder HEAD.....	0101	9
57	Piston RING—Lower.....	0103	12-13	120	Spark Plug SUPPRESSOR.....	—	—
58	Piston Pin Retaining RING.....	0103	13	121	Spark PLUG.....	2314	—
59	Piston PIN.....	0103	13	122	Manifold GASKET—End.....	0108	32
60	Connecting Rod BUSHING.....	0104	16	123	Cylinder Block Water Distributor TUBE.....	0101	8
61	Connecting Rod Cap BOLT.....	0104	16	124	Water Pump to Cylinder Block GASKET.....	0503	—
62	Connecting Rod BEARING.....	0104	16	125	Valve Spring Cover GASKET.....	0105	17
63	Connecting Rod Cap Bolt LOCKWASHER.....	0104	16	126	Intake VALVE.....	0105	17

ENGINE—GROUP 01

EXPLODED VIEW OF ENGINE PARTS CLASSIFIED IN ENGINE GROUP 01



USM-ENG-1B

SEE PAGES 2 AND 3 FOR PARTS IN TYPICAL 6 CYLINDER ENGINE

ENGINE—GROUP 01

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1	Crankcase Ventilator Outlet Pipe BRACKET.....	0107	26	70	Crankshaft Starting Jaw LOCKWASHER.....	0102	10
2	Crankcase Ventilator Outlet PIPE.....	0107	26-27	71	Crankshaft Starting JAW.....	0102	10
3	Crankcase Ventilator Outlet Pipe Air Cleaner GASKET.....	0107	26-27	72	Oil Pan Front End Oil Seal PLATE.....	0107	25
4	Crankcase Ventilator Outlet Pipe Air CLEANER.....	0107	27	73	Crankshaft BEARING No. 1—Lower.....	0102	10-11
10	Oil Filter to Engine HOSE Assembly.....	0107	31	74	Crankshaft Bearing CAP No. 1.....	0102	10-11
11	Oil FILTER Assembly.....	0107	31	75	Oil Pump Outlet Pipe NIPPLE.....	0107	24
12	Engine to Oil Filter HOSE Assembly.....	0107	31	76	Crankshaft Bearing Cap SCREW.....	0102	11
13	Engine to Oil Filter TUBE Assembly.....	0107	31	77	Crankshaft Bearing Cap Screw LOCKWASHER.....	0102	11
16	Breather Pipe Air CLEANER.....	0107	28-29	78	Oil Pump Outlet PIPE.....	0107	24
17	Breather PIPE.....	0107	28-29	79	Oil Pan GASKET—Right.....	0107	25
18	Cylinder Water Outlet ELBOW.....	0101	9	80	Oil Pan GASKET—Left.....	0107	25
20	Cylinder HEAD.....	0101	9	81	Oil Pan End GASKET.....	0107	25
24	Cylinder Head STUD.....	0101	9	82	Oil Pan Drain PLUG.....	0107	25
33	Exhaust VALVE.....	0105	17	83	Oil PAN.....	0107	25
34	Valve Stem GUIDE.....	0105	17	85	Oil STRAINER.....	0107	24
35	Valve SPRING.....	0105	17	86	Oil Suction PIPE.....	0107	24
36	Valve Spring RETAINER.....	0105	17	87	Crankshaft Bearing CAP No. 2 and 3.....	0102	10-11
37	Valve Spring Retainer LOCK.....	0105	17	88	Crankshaft BEARING No. 2 and 3—Lower.....	0102	10-11
38	Valve Tappet Adjusting SCREW.....	0105	17	89	Crankshaft Rear Bearing Cap GASKET—Left.....	0102	10
39	Valve TAPPET.....	0105	17	90	Crankshaft BEARING No. 4—Lower.....	0102	10-11
40	Camshaft BEARING No. 1.....	0106	18	91	Crankshaft Bearing CAP No. 4.....	0102	10-11
41	Chain Case Cover REINFORCEMENT.....	0106	19	92	Crankshaft Rear Bearing Oil Seal RETAINER Assembly.....	0102	11
42	Chain Case COVER Assembly.....	0106	19	93	FLYWHEEL Assembly.....	0108	33
43	Chain Case Cover Oil Seal GASKET.....	0106	19	94	Crankshaft Rear Bearing Cap GASKET—Right.....	0102	11
44	Chain Case Cover Oil SEAL Assembly.....	0106	19	95	Flywheel Bolt NUT.....	0108	33
45	Camshaft SPROCKET.....	0106	18	96	Crankshaft BUSHING.....	0102	10
46	Camshaft Sprocket Oil Tube CLIP.....	0106	19	98	Flywheel BOLT.....	0108	33
47	Camshaft Sprocket Oil TUBE.....	0106	19	99	Crankshaft BEARING No. 2 and 3—Upper.....	0102	10-11
48	Camshaft Sprocket HUB.....	0106	18	100	CRANKSHAFT.....	0102	10
49	Camshaft Sprocket Thrust PLATE.....	0106	18	101	Crankshaft BEARING No. 4—Upper.....	0102	10-11
50	Camshaft BEARING No. 2.....	0106	18	102	Connecting ROD Assembly.....	0104	16
51	Camshaft BEARING No. 3.....	0106	18	104	PISTON.....	0103	14
52	Chain Case Cover Plate GASKET.....	0106	19	105	Oil PUMP Assembly.....	0107	22-23
53	Chain Case Cover PLATE.....	0106	19	106	Oil Pump Body GASKET.....	0107	22-23
54	CAMSHAFT.....	0106	18	107	Manifold Heat Control Valve Adjusting PLATE.....	0108	33
55	Chain Case Cover GASKET.....	0106	19	108	Intake to Exhaust Manifold GASKET.....	0108	32
56	Piston RING—Upper.....	0103	12-13	109	MANIFOLD Assembly.....	0108	32
57	Piston RING—Lower.....	0103	12-13	110	Valve Spring Cover SCREW.....	0105	17
58	Piston Pin Retaining RING.....	0103	13	111	Manifold Clamp WASHER.....	0108	33
59	Piston PIN.....	0103	13	112	Valve Spring COVER.....	0105	17
60	Connecting Rod BUSHING.....	0104	16	113	Cylinder BLOCK Assembly.....	0101	8
61	Connecting Rod Cap BOLT.....	0104	16	114	Exhaust Valve SEAT.....	0105	17
62	Connecting Rod BEARING.....	0104	16	117	Cylinder Head GASKET.....	0101	9
63	Connecting Rod Cap Bolt LOCKWASHER.....	0104	16	118	Manifold GASKET—Center.....	0108	32
64	Connecting Rod Cap Bolt NUT.....	0104	16	119	Cylinder HEAD.....	0101	9
65	Crankshaft BEARING No. 1—Upper.....	0102	10-11	122	Manifold GASKET End.....	0108	32
66	Crankshaft Sprocket KEY.....	0102	10	123	Cylinder Block Water Distributor TUBE.....	0101	8
67	Crankshaft SPROCKET.....	0102	10	125	Valve Spring Cover GASKET.....	0105	17
68	Timing CHAIN.....	0102	10	126	Intake VALVE.....	0105	17

ENGINE—GROUP 01

ENGINE ASSEMBLIES—SUB-GROUP 0100

IMPORTANT INFORMATION ON ENGINE ASSEMBLIES

ENGINE ASSEMBLY COMPLETE. THIS IS A DYNAMOMETER TESTED UNIT AND INCLUDES THE FOLLOWING PARTS:

Cylinder Block Assembly
Oil Pan and Cylinder Head
Carburetor and Governor
Fuel Pump and Fuel Line to Carburetor
Generator and all Brackets
Starter and Starter Drive
Starter Switch
Distributor Assembly and Cap
Spark Plugs, and Spark Plug Wires
Oil Filter, Oil Lines when attached to Engine
Exhaust and Intake Manifolds
Water Pump
Thermostat and Thermostat Housing
Fan, Fan Belt and Pulleys
Distributor Vacuum Control and Pipe
Flywheel and Housing
Clutch Disc and Pressure Plate Assy.
Clutch Throw-out Fork, Bearing and Sleeve

With the bolting on of the Transmission Assembly the unit is ready to be installed in Truck chassis and by the hooking up of fuel line from fuel tank, oil line to brake connections, brake and clutch pedals and their operating linkage, battery wire to starter and hose connections to water pump and radiator will be ready to operate.

NOTE—The following symbols are used in connection with engine numbers.

Engine numbers without symbols indicate "STANDARD CYLINDERS AND CRANKSHAFT BEARINGS."

The letter "A" immediately following the engine number indicates (BORE .020") LARGER than standard.

The letter "B" immediately following the engine number indicates "MAIN AND CONNECTING ROD BEARINGS" .010" SMALLER than standard.

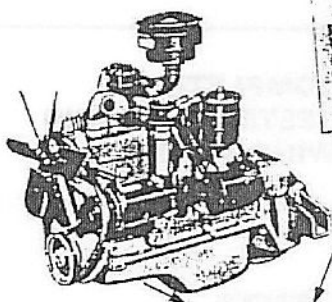
The letters "AB" immediately following the engine number indicate "CYLINDER BORE" .020" LARGER than standard and the "MAIN AND CONNECTING ROD BEARINGS" .010" SMALLER than standard.

The letters in the circular pads at either end of the engine number are for the use of factory inspectors only and should not be connected with the engine number.

ENGINE—GROUP 01

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ENGINE ASSEMBLIES—SUB-GROUP 0100



USM-ENG-2A

YEAR AND ENGINEERING SYMBOL	ENGINE ASSEMBLY With Accessories		Engine GASKET SET ⚡	Valve Grind GASKET SET ⚡	
	All Except Radio Equipped	Radio Equipped Models			
	1 Req'd	1 Req'd	1 Req'd	1 Req'd	
1940—T202	891446	1056060	986499	996411	
1940—T203	891447	NONE BUILT	NOT SERVICED	NOT SERVICED	
1941—T207	SEE NOTE 1	918843	986499	996411	
1941—T211 Up to Eng. No. 42001	918842	918843	986499	996411	
1941—T211 After Eng. No. 42001	919853	919860	986499	996411	
1941—T215	920302	SEE NOTE 2	986499	996411	
1941—T112	919796	NONE BUILT	NOT SERVICED	996411	
1941—T118	918956	NONE BUILT	NOT SERVICED	NOT SERVICED	
1942—T214	SEE NOTE 3		996377	996411	
1943—T223	920770	NONE BUILT	996377	996411	

NOTE 1—For Model T-207

Specify PART NO. 918842 for models without Winch.
Specify PART NO. 915524 for models with Winch.

NOTE 2—For Model T-215

Specify PART NO. 920302 for 12 Volt Radio.
Specify PART NO. 923399 for 6 Volt Radio (WC42 Panel).

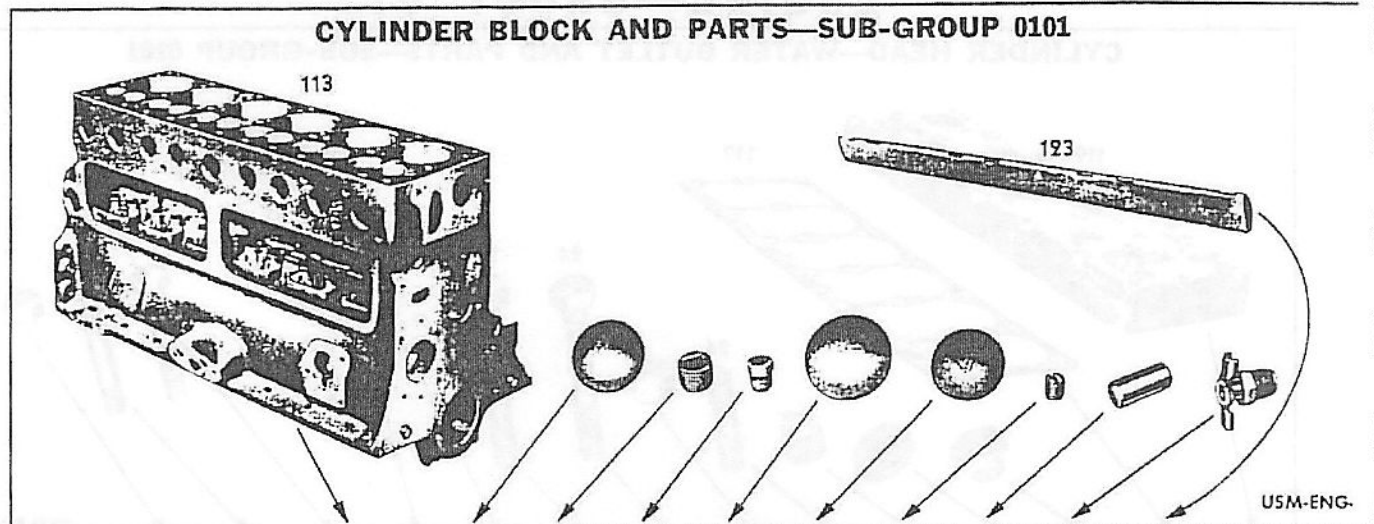
NOTE 3—For Model T-214

Specify PART NO. 920770 Engine Assembly w/Accessories
(6 Volt) for Weapon Carrier-Weapon Carrier w/Winch-
Ambulance - Telephone Maintenance - Emergency Repair
Chassis.

Specify PART NO. 923645 Engine Assembly w/Accessories
(12 Volt) for Carryall-Command-Command w/Winch-Com-
mand w/Radio.

ENGINE—GROUP 01

CYLINDER BLOCK AND PARTS—SUB-GROUP 0101



YEAR AND ENGINEERING SYMBOL	CYLINDER BLOCK Assembly		Rear Face PLUG	Oil Hole PLUG (Slotted Headless)	Oil Hole PLUG (Hex. Head)	Core Hole PLUG	Camshaft Bearing PLUG	Oil Dist. PLUG	Clutch Housing DOWEL	Water Jacket DRAIN COCK	Water Dist. TUBE	
	With Pistons	Less Pistons										
	See Note 1											
	1 Req'd	1 Req'd										
1940—T202	See Note 2 863231	See Note 2 863220	☆	103883	2 Req'd 127950	117924	117923	113185	51078	907782	637432	
1940—T203	See Note 2 915918	See Note 2 915916	☆	☆	3 Req'd 127950	117924	117923	113185	51078	907782	666021	
1941—T207	868757	868756	117923	103883	☆	117924	117923	113185	51078	103647	637432	
1941—T211 Up to Eng. No. 42001	868757	868756	117923	103883	☆	117924	117923	113185	51078	103647	637432	
1941—T211 After Eng. No. 42001	870011	870228	☆	103883	☆	117924	117923	113185	51078	103647	637432	
1941—T215	870011	870228	☆	103883	☆	117924	117923	113185	51078	103647	637432	
1941—T112	954158	870228	☆	103883	☆	117924	117923	113185	51078	103647	637432	
1941—T118	870734	870728	117923	☆	4 Req'd 127950	117924	117923	113185	51078	103647	954281	
1942—T214	870011	870228	☆	103883	☆	117924	117923	113185	51078	103647	637432	
1943—T223	870011	870228	☆	103883	☆	117924	117923	113185	51078	103647	637432	

NOTE 1

☆ Not Used

CYLINDER BLOCK ASSEMBLY with pistons includes pins and rings fitted. All blocks include main bearing caps, valve guides and plugs but do not include main bearings.

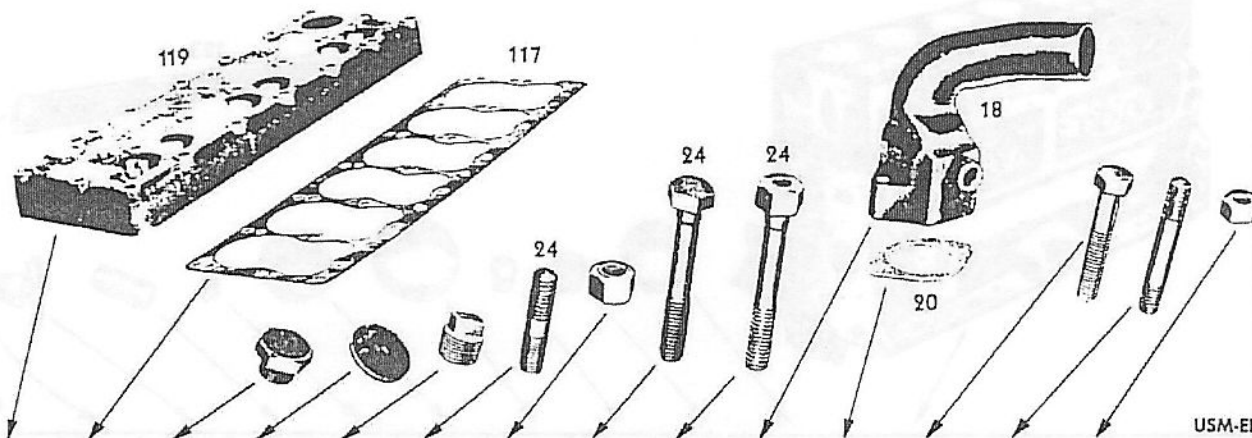
NOTE 2

For engines not equipped with Floato Type Oil Strainer also specify:
 1—862831 Oil STRAINER Assembly
 1—862832 Oil Pump Suction PIPE Assembly
 1—119209 Cotter PIN

ENGINE—GROUP 01

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CYLINDER HEAD—WATER OUTLET AND PARTS—SUB-GROUP 0101



USM-ENG-4

CYL- INDER HEAD	Head GASKET	Timing Hole PLUG	Core Hole PLUG	Heater Hole PLUG	Cylinder Head STUD	Stud NUT	CAP SCREW	Tapped Head Cap SCREW	Cylinder WATER OUT- LET ELBOW	Cylinder Water Outlet Elbow GASKET	Water Outlet Elbow SCREW	Water Outlet Elbow STUD	Water Outlet Elbow Stud NUT	
1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	21 Req'd	21 Req'd	17 Req'd	4 Req'd	1 Req'd	1 Req'd	2 Req'd	2 Req'd	2 Req'd	
952083	859224	127950	117920	103867	☆	☆	666014	692857	863217	50082	☆	111674	120369	
693950	869992	127950	106517	103867	☆	☆	666014	692857	695506	50082	☆	111674	120369	
952083	859224	127950	117920	103867	642440	662946	☆	☆	SEE NOTE 4	50082	☆	111674	120369	
952083	859224	127950	117920	103867	642440	662946	☆	☆	867026	50082	☆	111674	120369	
870066	859224	127950	117920	103867	642440	662946	☆	☆	867026	50082	122181	☆	☆	
870066	859224	127950	117920	103867	SEE NOTE 2	SEE NOTE 2	☆	SEE NOTE 2	867026	50082	122181	☆	☆	
952084	859224	127950	117921	103867	☆	☆	666014	692857	867026	50082	122181	☆	☆	
954412	869992	127950	106517	103867	☆	☆	666014	692857	695506	50082	122181	☆	☆	
870066	859224	SEE NOTE 1	117920	103867	SEE NOTE 3	20 Req'd 662946	☆	1 Req'd 923752	922834	50082	122181	☆	☆	
870066	859224	927445	117920	103867	SEE NOTE 3	20 Req'd 601014	☆	1 Req'd 923752	922834	50082	122181	☆	☆	

NOTE 2

☆ Not Used

All T215 models except WC42 Radio Panel specify:
21—642440 STUD
21—662946 Stud NUT

For T215 WC42 Radio Panel specify:
18—642440 STUD (Short)
2—640725 STUD (Long)
20—662946 Stud NUT
1—923752 Tapped Head Cap SCREW

NOTE 4

Up to Engine No. T207-9856
Specify PART NO. 863217 Water Outlet ELBOW
After Engine No. T207-9856
Specify PART NO. 867026 Water Outlet ELBOW

NOTE 1

For Model T214 only:
1—127950 Timing Hole Plug Up
to Eng. No. T214-91125
1—143932 Timing Hole Plug
After Eng. No. T214-91125

NOTE 3

All T214 and T223 models specify:
16—642440 STUD (Short)
4—640725 STUD (Long)

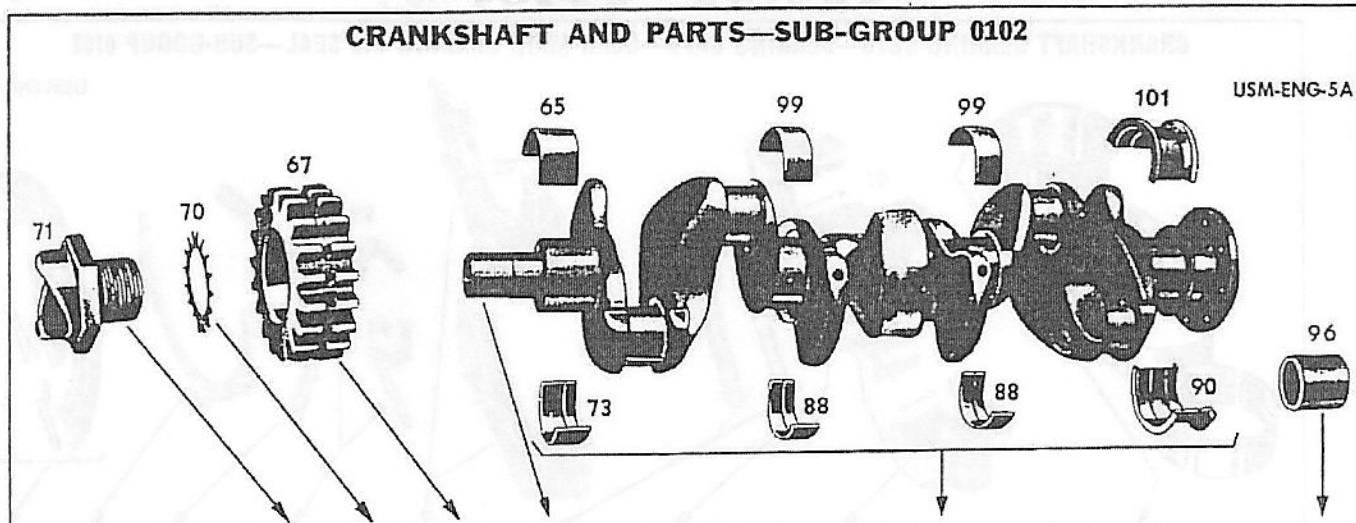
⚡ CURRENT NUMBER—FOR PREVIOUS NUMBER, SEE PARTS SUPERSEDEANCE LIST.

SNL G-657

ENGINE—GROUP 01

CRANKSHAFT AND PARTS—SUB-GROUP 0102

USM-ENG-5A



YEAR AND ENGINEERING SYMBOL	Crank- shaft Starting JAW	Starting Jaw LOCK- WASHER	Crank- shaft SPROCK- ET	CRANK- SHAFT Assembly	Crankshaft BEARING Halves—Standard								BUSH- ING (Trans mission Drive Pinion
					No. 1 Bearing*		No. 2 Bearing		No. 3 Bearing		No. 4 Bearing		
					Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	
					B	B	B	B	B	B	B	B	
	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd
1940—T202	583801	655116	601760	612457	:862080	:862081	862082	:862082	862082	:862082	:862084	:862085	5329
1940—T203	670366	670367	601760	673497	:870665	:870665	:870665	:870665	:870665	:870665	673901	673901	53298
1941—T207	583801	655116	601760	863635	863674	863675	863676	863676	863676	863676	863678	863679	5329
1941—T211 Up to Eng. No. 42001	583801	655116	601760	863635	863674	863675	863676	863676	863676	863676	863678	863679	53298
1941—T211 After Eng. No. 42001	583801	655116	601760	870001	863674	863675	863676	863676	863676	863676	863678	863679	5329
1941—T215	583801	655116	601760	870001	863674	863675	863676	863676	863676	863676	863678	863679	53298
1941—T112	583801	655116	601760	952066	863674	863675	863676	863676	863676	863676	863678	863679	5329
1941—T118	583801	655116	601760	870716	870665	870665	870665	870665	870665	870665	:957649	:957649	53298
1942—T214	583801	655116	601760	870001	959966	959971	959976	959976	959976	959976	959981	959986	5329
1943—T223	583801	655116	601760	870001	959966	959971	959976	959976	959976	959976	959981	959986	53298

A

Crankshaft Sprocket KEY
1 Req'd
#124551



Crankshaft Sprocket SHIM
Used as Required
#537820 .003"
#537821 .010"



All Models

B

UNDERSIZE BEARINGS

From the above columns determine model application. Using the standard part number use the following chart to determine part number of corresponding Undersize Bearings.

Sid.	.010"	.020"	.030"	Sid.	.010"	.020"	.030"
673901	:957652	1067130	1067131	863678	863690	1067062	1067063
:862080	:862092	1067136	1067137	863679	863691	1067120	1067121
:862081	:862093	1067138	1067139	:870665	:870668	1067130	1067131
:862082	:862094	1067140	1067141	:957649	:957652	1067132	1067133
:862084	862096	1067142	1067143	959966	959969	1067056	1067057
:862085	:862097	1067144	1067145	959971	959974	1067058	1067059
863674	:959969	1067056	1067057	959976	959979	1067060	1067061
863675	:959974	1067058	1067059	959981	959984	1067062	1067063
863676	:959979	1067060	1067061	959986	959989	1067120	1067121

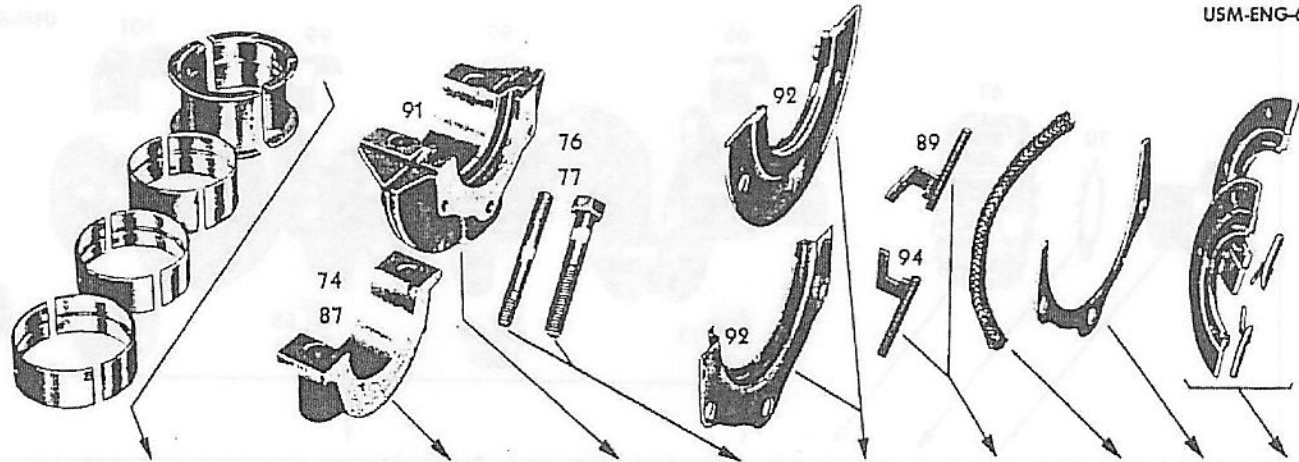
: CURRENT NUMBER—FOR PREVIOUS NUMBER, SEE PARTS SUPERSEDEANCE LIST.

ENGINE—GROUP 01

PAGE 11

CRANKSHAFT BEARING SETS—BEARING CAPS—REAR MAIN BEARING OIL SEAL—SUB-GROUP 0102

USM-ENG-6A



Crankshaft BEARING SET ⌘				BEARING CAPS				Bearing Cap STUD or SCREW		Rear Bearing OIL SEAL RETAINER ASSEMBLY	Rear Bearing Cap GASKET		Rear Bearing OIL SEAL	Rear Bearing OIL Seal Retainer GASKET	Rear Bearing OIL SEAL PACKAGE ⌘
Std.	.010" U.S.	.020" U.S.	.030" U.S.	No. 1	No. 2	No. 3	No. 4	No. 1	Nos. 2-3-4		Right	Left			
								A	A	B				B	B
1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	2 Req'd	6 Req'd	2 Req'd	1 Req'd	1 Req'd	2 Req'd	2 Req'd	1 Req'd
951317	1056035	1056037	1056038	630480	630481	SEE NOTE 1	638295	617931	617931	642976	860829	860828	642978	633298	891454
992557	1056025	1056027	1056028	664390	664065	SEE NOTE 2	SEE NOTE 3	617931	617932	SEE NOTE 4	SEE NOTE 4	SEE NOTE 4	SEE NOTE 4	☆	SEE NOTE 4
951319	996440	996432	996433	630476	630477	630477	630479	864118	864118	44649	860829	860828	44648	☆	891455
951319	996440	996432	996433	630476	630477	630477	630479	864118	864118	44649	860829	860828	SER. IN ASSY.	☆	891455
951319	996440	996432	996433	630476	630477	630477	891401	864118	864118	863214	863012	863013	SER. IN ASSY.	☆	891458
951319	996440	996432	996433	630476	630477	630477	891401	864118	864118	SEE NOTE 5	863012	863013	SER. IN ASSY.	☆	SEE NOTE 5
951319	996440	996432	996433	630476	630477	630477	992552	864118	864118	642976	954393	954392	642978	633298	996350
992557	1056025	1056027	1056028	664390	664065	664065	891401	864118	864118	863214	863012	863013	SER. IN ASSY.	☆	891458
996379	996440	996432	996433	630476	630477	630477	891401	864118	864118	955646	863012	863013	SER. IN ASSY.	☆	996378
996379	996440	996432	996433	630476	630477	630477	891401	864118	864118	955646	860312	863013	SER. IN ASSY.	☆	996378

☆ Not Used

A

8—308540 NUT—Models T202-T203
8—120384 LOCKWASHER—All Models

B

IMPORTANT—Use the following parts as directed for Notes 1-2-3-4-5, in above columns

Note	Crankshaft Bearing CAP		Crankshaft Rear Bearing				OIL SEAL
	No. 3	No. 4	OIL SEAL RET. Assy.	OIL SEAL PACKAGE	Cap GASKET		
					Right	Left	
Note 1							
T202—With Stationary Oil Strainer	630482	630481					
T202—With Floate Type Oil Strainer							
Note 2							
T203—With Stationary Oil Strainer	664066						
T203—With Floate Type Oil Strainer	664065						
Note 3							
T203—Up to Engine No. T203-3857	630479						
T203—After Engine No. T203-3857	891401						
Note 4							
T203—Up to Engine No. T203-3857			44849	891455	860829	860828	44648
T203—After Engine No. T203-3857			863214	891458	863012	863013	Ser. in 863214 Retainer Assy.
Note 5							
T215—Up to Engine No. T215-8910			863214	891458			
T215—After Engine No. T215-8910			955646	996378			

CRANKSHAFT REAR BEARING OIL SEAL RETAINER ATTACHING PARTS
 6—44650 ☆ SCREWS
 6—121753 ☆ LOCKWASHERS
 All Models Except T-214 and T-223
 6-871320 SCREW AND LOCKWASHER
 Models T-214 and T-223

NOTE: CRANKSHAFT BEARING CAPS are line reamed to each individual engine at factory; therefore, are not interchangeable—replacement caps are supplied with stud holes reamed .01" larger and the overall length .1" shorter and must be fitted by shim or removing metal from face of cap as required when line reaming equipment is not available.

⌘ FOR CONTENTS OF SERVICE PACKAGES, SEE BILL OF MATERIAL SECTION.

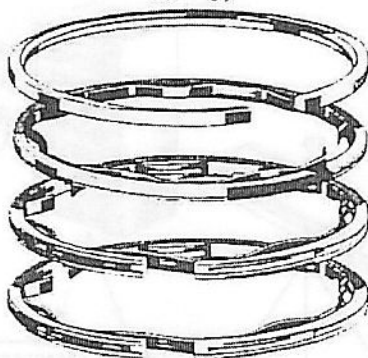
: CURRENT NUMBER—FOR PREVIOUS NUMBER, SEE PARTS SUPERSEDECE LIST.

SNL G-657

ENGINE—GROUP 01—SUB-GROUP 0103

FOR CYLINDERS WITH
TAPER WEAR LESS THAN .005"

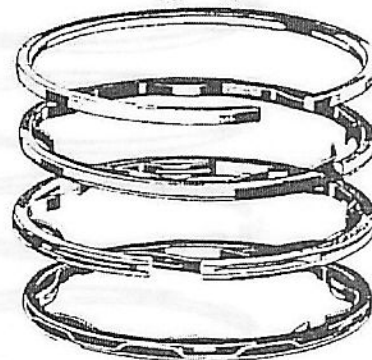
56 - 57



YEAR AND ENGINEERING SYMBOL	OIL SAVER PISTON RING SETS 44					
	Std.- .009"	.010"- .019"	.020"- .029"	.030"- .039"	.040"- .049"	.050"- .060"
	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd
1940—T202	898944	898945	898946	898947	898948	898949
1940—T203	898956	898957	898958	898959	898960	898961
1941—T207	910918	910919	910920	910921	910922	910923
1941—T211 ^{T211—42001 Up to Eng. No.}	910918	910919	910920	910921	910922	910923
1941—T211 ^{T211—42001 After Eng. No.}	986430	986431	986432	986433	986434	986435
1941—T215	986430	986431	986432	986433	986434	986435
1941—T112	986430	986431	986432	986433	986434	986435
1941—T118	986436	986437	986438	986439	986440	986441
1942—T214	986430	986431	986432	986433	986434	986435
1943—T223	986430	986431	986432	986433	986434	986435

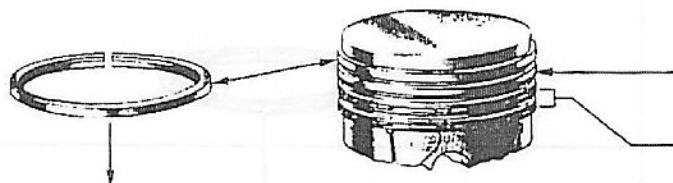
FOR CYLINDERS WITH TAPER WEAR
MORE THAN .005" AND LESS THAN .030"

56 - 57



U5M-ENG-7

	OIL MASTER PISTON RING SETS 44					
	Std.- .009"	.010"- .019"	.020"- .029"	.030"- .039"	.040"- .049"	.050"- .060"
	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd
898974	898975	898976	898977	898978	898979	
898986	898987	898988	898989	898990	898991	
910930	910931	910932	910933	910934	910935	
910930	910931	910932	910933	910934	910935	
986448	986449	986450	986451	986452	986453	
986448	986449	986450	986451	986452	986453	
986448	986449	986450	986451	986452	986453	
986454	986455	986456	986457	986458	986459	
986448	986449	986450	986451	986452	986453	
986448	986449	986450	986451	986452	986453	

INDIVIDUAL
PISTON
RINGS

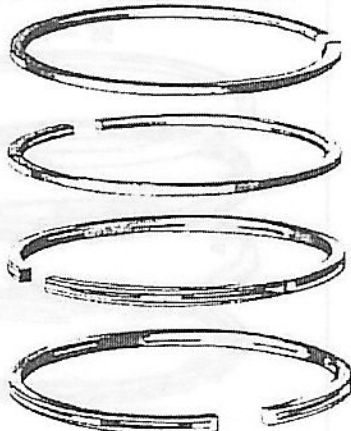
THESE INDIVIDUAL RINGS ARE THE SAME AS THOSE IN "THE ORIGINAL EQUIPMENT RING SETS"	YEAR AND ENGINEERING SYMBOL	TOP COMPRESSION RING						
		Std.-.004"	.005"-.014"	.015"-.024"	.025"-.034"	.035"-.044"	.045"-.054"	.055"-.064"
		6 Req'd	6 Req'd	6 Req'd	6 Req'd	6 Req'd	6 Req'd	6 Req'd
	1940—T202	683410	683420	683422	683424	683425	683426	683427
	1940—T203	689242	689244	689246	689248	689249	689250	689251
	1941—T207	866355	866356	866357	866358	866359	866360	866361
	1941—T211 ^{T211—42001 Up to Eng. No.}	866355	866356	866357	866358	866359	866360	866361
	1941—T211 ^{T211—42001 After Eng. No.}	866355	866356	866357	866358	866359	866360	866361
	1941—T215	866355	866356	866357	866358	866359	866360	866361
	1941—T112	866355	866356	866357	866358	866359	866360	866361
	1941—T118	871152	871153	871154	871155	871156	871157	871158
	1942—T214	866355	866356	866357	866358	866359	866360	866361
	1943—T223	866355	866356	866357	866358	866359	866360	866361

ENGINE—GROUP 01—SUB-GROUP 0103

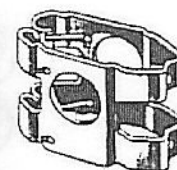
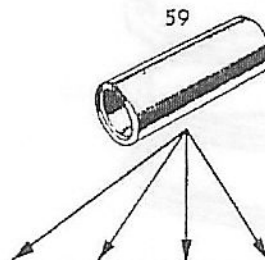
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FOR RECONDITIONED CYLINDERS

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USM-ENG-9A



PISTON EXPANDER PACKAGES

PISTON EXPANDERS (INDIVIDUAL)

REGULAR COATED PISTON RING SETS

Std. .004"	.005"- .014"	.015"- .024"	.025"- .034"	.035"- .044"	.045"- .054"	.055"- .064"	Std.	.003" O/S	.005" O/S	.008" O/S	Use With U-Slot Pistons	Use With Steel- strut Pistons	Use With U-Slot Pistons	Use With Steel- strut Pistons	Piston Pin Lock Ring
1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	8 Req'd	6 Req'd	6 Req'd	6 Req'd	1 Req'd	1 Req'd	4 Req'd	6 Req'd	12 Req'd
680781	680782	680783	680784	680785	680786	680787	671762	859288	☆	859289	899002		695063		200434
830754	830755	830756	830757	830758	830759	830760	436658	203741	☆	302560	899004		853981		200434
910943	910944	910945	910946	910947	910948	910949	320031	208483	208484	208485		899005		698577	200434
910943	910944	910945	910946	910947	910948	910949	320031	208483	208484	208485		899005		698577	200434
986869	986870	986871	986872	986873	986874	986875	320031	208483	208484	208485	951330	899005	853980	698577	200434
986869	986870	986871	986872	986873	986874	986875	320031	208483	208484	208485	951330	899005	853980	698577	200434
986869	986870	986871	986872	986873	986874	986875	320031	208483	☆	208485	☆	☆	☆	☆	200434
986876	986877	986878	986879	986880	986881	986882	436658	203741	☆	302560	☆	☆	☆	☆	200434
986869	986870	986871	986872	986873	986874	986875	320031	208483	208484	208485	951330	899005	853980	698577	200434
986869	986870	986871	986872	986873	986874	986875	320031	208483	208484	208485	951330	899005	853980	698577	200434



USM-ENG-8

SECOND COMPRESSION RINGS

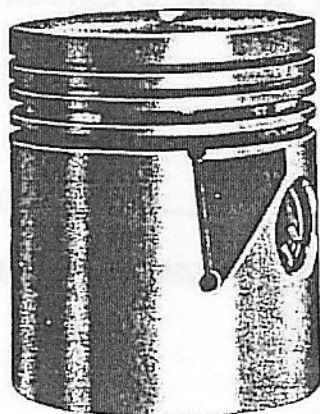
Std. .004"	.005"- .014"	.015"- .024"	.025"- .034"	.035"- .044"	.045"- .054"	.055"- .064"
6 Req'd	6 Req'd	6 Req'd	6 Req'd	6 Req'd	6 Req'd	6 Req'd
655119	655121	655123	655125	655126	655127	655128
655132	655134	655136	655138	655139	655140	655141
655106	655108	655110	655112	655113	655114	655115
655106	655108	655110	655112	655113	655114	655115
866355	866356	866357	866358	866359	866360	866361
866355	866356	866357	866358	866359	866360	866361
866355	866356	866357	866358	866359	866360	866361
871152	871153	871154	871155	871156	871157	871158
866355	866356	866357	866358	866359	866360	866361
866355	866356	866357	866358	866359	866360	866361

UPPER AND LOWER OIL CONTROL RINGS

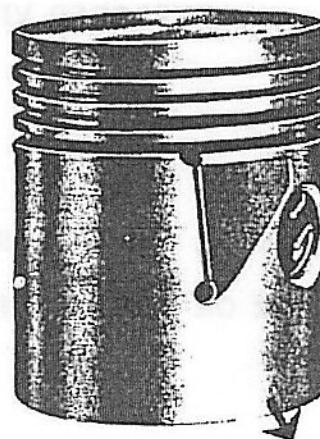
Std. .004"	.005"- .014"	.015"- .024"	.025"- .034"	.035"- .044"	.045"- .054"	.055"- .064"
12 Req'd	12 Req'd	12 Req'd	12 Req'd	12 Req'd	12 Req'd	12 Req'd
318606	318608	318610	318612	318613	318614	318615
658659	658661	658663	658665	658666	658667	658668
320051	320053	320055	320057	320058	320059	320060
320051	320053	320055	320057	320058	320059	320060
320051	320053	320055	320057	320058	320059	320060
320051	320053	320055	320057	320058	320059	320060
320051	320053	320055	320057	320058	320059	320060
667557	667559	667561	667563	667564	667565	667566
320051	320053	320055	320057	320058	320059	320060
320051	320053	320055	320057	320058	320059	320060

ENGINE—GROUP 01

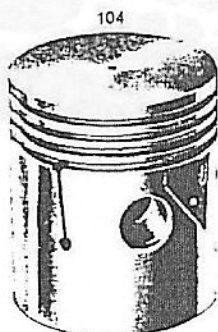
PISTONS—SUB-GROUP 0103



USM-ENG-10



YEAR AND ENGINEERING SYMBOL	PISTON AND PIN ASSEMBLY									PISTON AND PIN ASSEMBLY	
	FINISHED TO SIZE									SEMI-FINISHED	
	Std.	.003"	.010"	.020"	.023"	.030"	.040"	.050"	.060"	Std..023".025".050"	
	6 Req'd	6 Req'd	6 Req'd	6 Req'd	6 Req'd	6 Req'd	6 Req'd	6 Req'd	6 Req'd	6 Req'd	6 Req'd
1940—T202	7866280	7866281	7866283	7866285	7866286	7866288	7866289	7866290	7866291	7867764	7867765
1940—T203	7666584	7666585	7666587	7666589	7666590	7666592	7666593	7666594	7666595	7666596	7666597
1941—T207	7871345	7871346	7871348	7871350	7871351	7871353	7871354	7871355	7871356	7868691	7868692
No. T211—42001 1941—T211 Up to Eng.	7871345	7871346	7871348	7871350	7871351	7871353	7871354	7871355	7871356	7868691	7868692
No. T211—42001 1941—T211 After Eng.	986892	986893	986894	986895	986896	7954808	7954809	NOT SERVICED	986897	986898	986899
1941—T215	986892	986893	986894	986895	986896	7954808	7954809	NOT SERVICED	986897	986898	986899
1941—T112	986466	986467	986468	986469	986470	986471	986472	986473	986474	NOT SERVICED	
1941—T118	986477	986478	986479	986480	986481	986482	986483	986484	986485	NOT SERVICED	
1942—T214	986900	986901	986902	986903	986904	7954808	7954809	NOT SERVICED	986905	986906	986907
1943—T223	986900	986901	986902	986903	986904	7954808	7954809	NOT SERVICED	986905	986906	986907



U-SLOT PISTON

SNL G-657



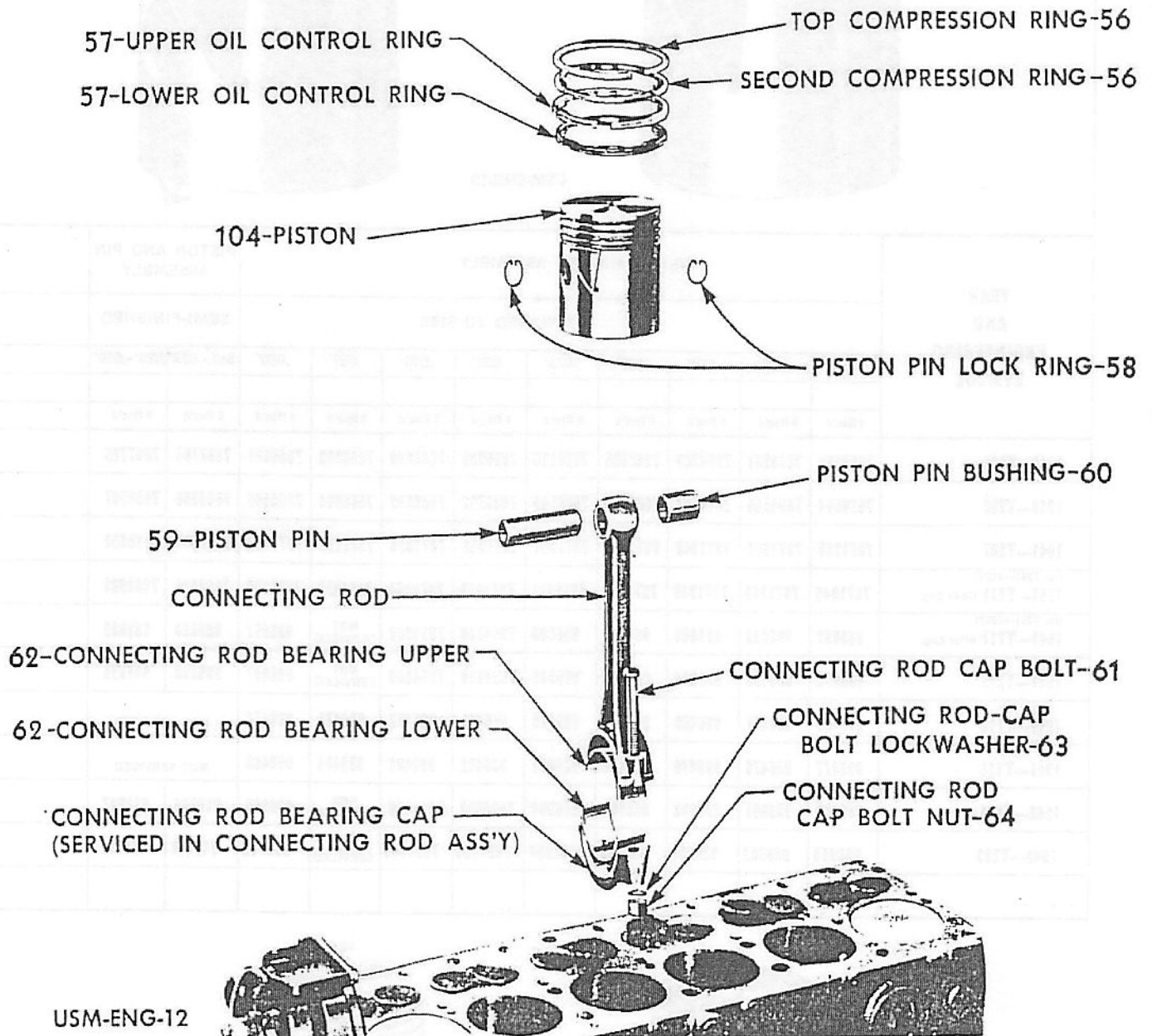
STEEL STRUT PISTON

USM-ENG-11

ENGINE—GROUP 01

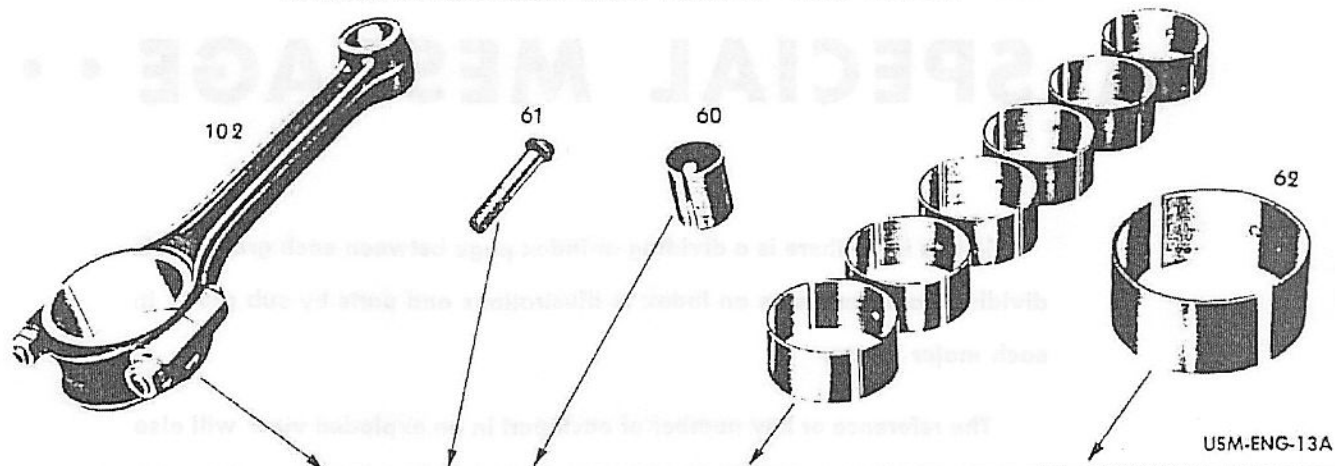
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EXPLODED VIEW OF PARTS OUT OF ONE CYLINDER



ENGINE—GROUP 01

CONNECTING ROD AND PARTS—SUB-GROUP 0104



YEAR AND ENGINEERING SYMBOL	CONNECTING ROD Assembly		Cap BOLT	Rod (or Piston Pin) BUSH- ING	CONNECTING ROD BEARING PACKAGES Complete Sets 66				CONNECTING ROD BEARING PACKAGES 2 Bearing Halves Sets 66			
	Nos. 1-3-5	Nos. 2-4-6										
					Std.	.010" U.S.	.020" U.S.	.030" U.S.	Std.	.010" U.S.	.020" U.S.	.030" U.S.
	3 Req'd	3 Req'd	12 Req'd	6 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	6 Req'd	6 Req'd	6 Req'd	6 Req'd
1940—T202	860792	860793	860144	318093	932437	1056030	1056032	1056033	1057758	1057760	1057761	1057762
1940—T203	860797	860797	860343	318093	951293	1056020	1056022	1056023	1057763	1057765	1057766	1057767
1941—T207	860794	860795	860144	318093	951291	996444	996434	996435	1056089	1056091	1056093	1056094
1941—T211 Up to Eng. No. 42001	860794	860795	860144	318093	951291	996444	996434	996435	1056089	1056091	1056093	1056094
1941—T211 After Eng. No. 42001	868898	868899	860921	318093	951291	996444	996434	996435	1056089	1056091	1056093	1056094
1941—T215	868898	868899	860921	954157	951291	996444	996434	996435	1056089	1056091	1056093	1056094
1941—T112	954366	954367	860144	954157	951291	996444	996434	996435	1056089	1056091	1056093	1056094
1941—T118	954416	954416	860343	954157	992559	1056020	1056022	1056023	1057763	1057765	1057766	1057767
1942—T214	954376	954377	860921	954157	951291	996444	996434	996435	1056089	1056091	1056093	1056094
1943—T223	954376	954377	860921	954157	951291	996444	996434	996435	1056089	1056091	1056093	1056094

A

CONNECTING ROD ASSEMBLY includes bearing cap, bolt, nut, lockwasher and bushing but does not include bearings.

12—668555 LOCKWASHERS
12—860671 NUT
Used on All Models

CONNECTING ROD BEARING

NOTE: Connecting rod bearings should always be replaced in pairs. Never use a new bearing half with an old half. For part numbers on individual bearing half, see Service Package Bill of Material Section.

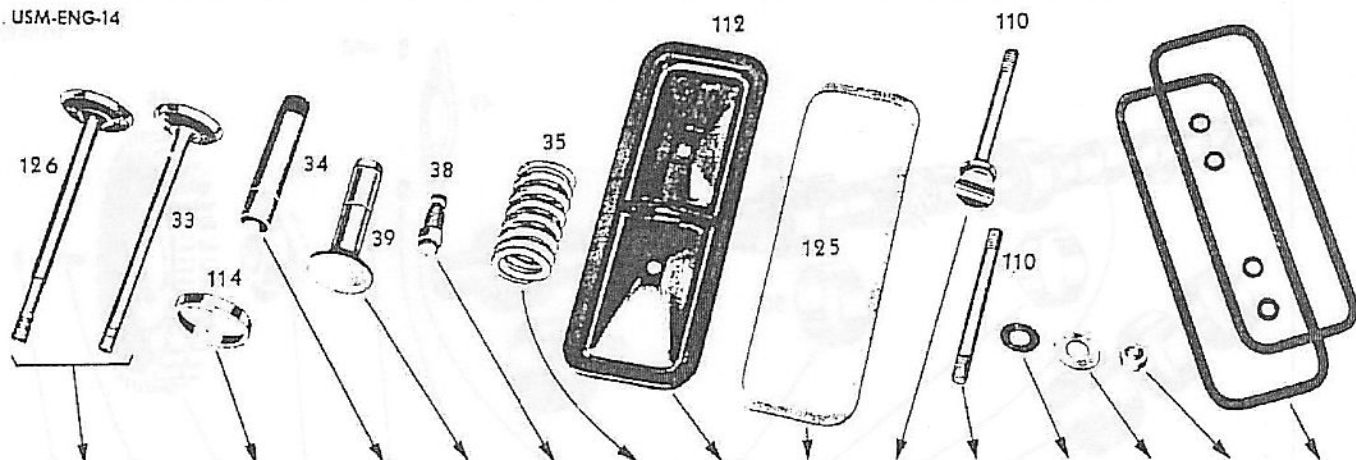
⚡ CURRENT NUMBER—FOR PREVIOUS NUMBER SEE PARTS SUPERSEDECE LIST.
66 FOR CONTENTS OF SERVICE PACKAGES SEE BILL OF MATERIAL SECTION.

ENGINE—GROUP 01

PAGE 1

VALVES AND PARTS—SUB-GROUP 0105

USM-ENG-14



VALVES		Exhaust Valve SEAT INSERT		Valve GUIDE	Valve TAPPETS Std.	Tappet Adjusting SCREW	Valve SPRING	Spring COVER	Cover GASKET	Cover SCREW	Cover STUD	Cover Screw or Stud GASKET	Cover Stud WASHER	Cover Stud NUT	Valve Cover GASKET SET
Intake	Exhaust	Std.	.010" U.S.												
A	A				B		A								
8 Req'd	6 Req'd	6 Req'd	6 Req'd	12 Req'd	12 Req'd	12 Req'd	12 Req'd	2 Req'd	2 Req'd	As Req'd	As Req'd	4 Req'd	As Req'd	As Req'd	1 Req'd
601258	686928	389236	623007	600746	670508	681544	626585	600881	600882	693958	103183	693959	120387	120368	780469
665686	954261	666012	666013	600746	670508	681544	869449	665689	665690	693960	☆	693959	☆	☆	780475
601258	686928	389236	623007	600746	670508	681544	869449	600881	600882	693958	103183	693959	120387	120368	780469
601258	686928	389236	623007	600746	670508	681544	869449	600881	600882	693958	103183	693959	120387	120368	780469
868886	868887	868888	868889	600746	670508	681544	869449	600881	871934	693958	103182	693959	120387	120368	980583
868886	868887	868888	868889	600746	670508	681544	869449	600881	871934	693958	103182	693959	120387	120368	980583
868886	868887	868888	868889	600746	670508	681544	869449	600881	871934	693958	☆	693959	☆	☆	980583
870048	954261	666012	666013	600746	670508	681544	869449	665689	871935	693960	☆	693959	☆	☆	980584
868886	954302	868888	868889	600746	670508	681544	869449	600881	871934	693958	103182	693959	120387	120368	980583
868886	954302	868888	868889	600746	670508	681544	869449	600881	871934	693958	103182	693959	120387	120368	980583

A

Valve Spring RETAINER	Valve Spring Retainer LOCK
395930	395931
12 Req'd	24 Req'd
All Models	

B

Oversize Valve TAPPETS
PART NO. 670510—.001" O. S.
PART NO. 670511—.008" O. S.
PART NO. 670512—.030" O. S.
All Models

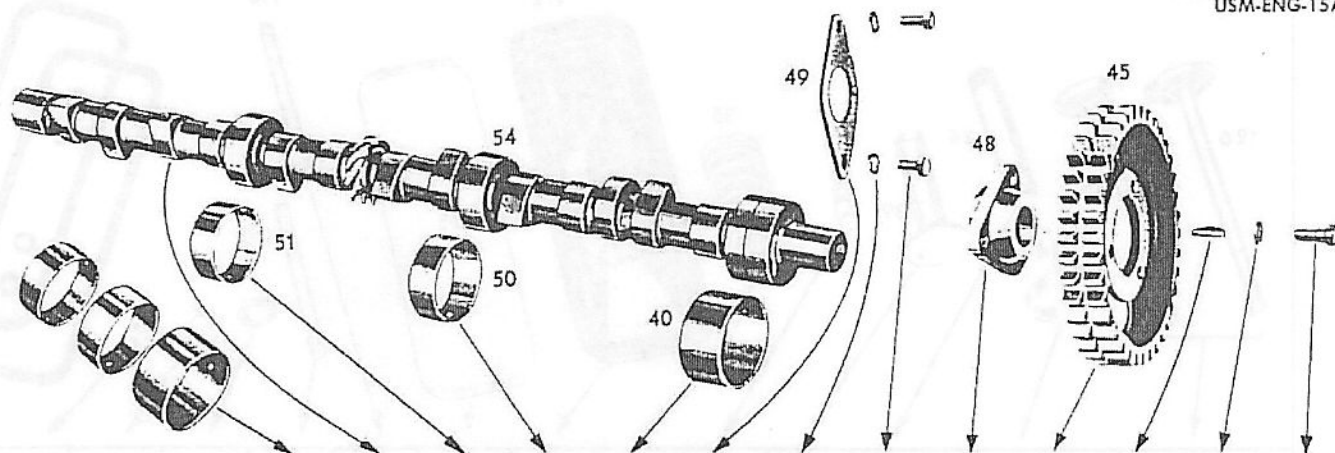
☆ Not Used ; CURRENT NUMBER—FOR PREVIOUS NUMBER, SEE PARTS SUPERSEDEENCE LIST.
 ⚙ FOR CONTENTS OF SERVICE PACKAGES, SEE BILL OF MATERIAL SECTION.

SNL G-65

ENGINE—GROUP 01

CAMSHAFT—CAMSHAFT SPROCKET AND ATTACHING PARTS—SUB-GROUP 0106

USM-ENG-15A



YEAR AND ENGINEERING SYMBOL	CAM- SHAFT BEAR- ING SET	CAM- SHAFT Assembly	Camshaft BEARINGS (Finished—Ready for Use) See Note 1			Sprocket Thrust PLATE	Thrust Plate Screw LOCK- WASHER	Thrust Plate SCREW	Sprocket HUB	SPR'KT (Gear)	Sprocket KEY	Sprocket Screw LOCK- WASHER	Sprocket SCREW
			No. 3	No. 2	No. 1								
			A	A	A								
	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	2 Req'd	2 Req'd	1 Req'd	1 Req'd	1 Req'd	3 Req'd	3 Req'd
1940—T202	996438	601266	632467	632466	632465	600786	120214	122007	601758	601757	114813	120214	601766
1940—T203	1056018	855471	665787	665786	632465	600786	120214	122007	601758	601757	114813	120214	601766
1941—T207	996438	869997	632467	632466	632465	600786	120214	122007	869998	865654	114813	120214	601766
1941—T211 Up to Eng. No. 42001	996438	869997	632467	632466	632465	600786	120214	122007	869998	865654	114813	120214	601766
1941—T211 After Eng. No. 42001	996438	869997	632467	632466	632465	600786	120214	122007	869998	601757	114813	120214	601766
1941—T215	996438	869997	632467	632466	632465	600786	120214	122007	869998	601757	114813	120214	601766
1941—T112	996438	869997	632467	632466	632465	600786	120214	122007	869998	601757	114813	120214	601766
1941—T118	1056018	855471	665787	665786	632465	600786	120214	122007	869998	601757	114813	120214	601766
1942—T214	996438	869997	632467	632466	632465	600786	120214	122007	869998	601757	114813	120214	601766
1943—T223	996438	869997	632467	632466	632465	600786	120214	122007	869998	601757	114813	120214	601766

NOTE 1

CAMSHAFT BEARINGS listed in above columns are finished to size ready for use—unfinished bearings may be procured for use when line reaming equipment is available. Use above columns for Model Application, then use the following chart for corresponding unfinished bearings.

A

Bearing No.	Part No. of Finished Bearing	Part No. of Unfinished Bearing
1	632465	606139
2	632466	324641
3	632467	324668

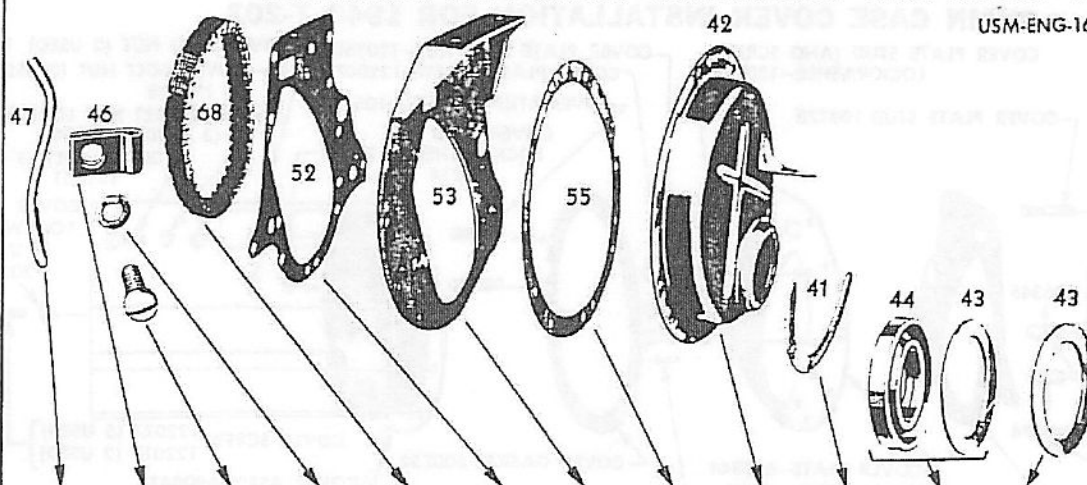
⌘ FOR CONTENTS OF SERVICE PACKAGES, SEE BILL OF MATERIAL SECTION.

ENGINE—GROUP 01

PAGE 19

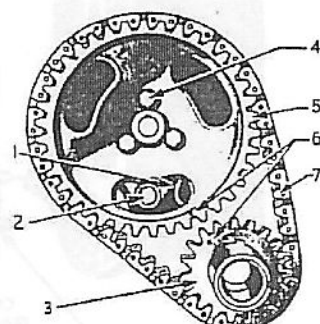
CAMSHAFT AND CHAIN CASE PARTS—SUB-GROUP 0106

USM-ENG-16



Sprocket Oil TUBE	Sprocket Oil Tube CLIP	Sprocket Oil Tube Clip SCREW	Sprocket Oil Tube Clip Lock-WASHER	Timing CHAIN	Cover Plate GASKET	Cover PLATE	Cover GASKET	COVER Assembly	Cover REIN-FORCE-MENT	Cover OIL SEAL and GASKET PACK-AGE	Cover Oil Seal GASKET
						A		A			
1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd
600787	120520	132259	120380	601765	695441	688311	600752	691929	690939	891448	857646
600787	120520	132259	120380	601765	695441	690844	600752	690843	☆	891448	857646
600787	120520	132259	120380	601765	695441	688311	600752	691929	690939	891448	857646
600787	120520	132259	120380	601765	695441	688311	600752	691929	690939	891448	857646
600787	120520	132259	120380	601765	695441	688311	600752	691929	690939	891448	857646
600787	120520	132259	120380	601765	695441	688311	600752	691929	690939	891448	857646
600787	120520	132259	120380	601765	695441	688311	600752	691929	690939	891448	857646
600787	120520	132259	120380	601765	695441	688195	600752	691941	690939	891448	857646
600787	120520	132259	120380	601765	695441	688311	600752	691929	690939	891448	857646
600787	120520	132259	120380	601765	695441	688311	600752	691929	690939	891448	857646

TIMING CHAIN AND SPROCKETS



USM-ENG-17

- Ref. No. Part Name
- 1 Camshaft Sprocket Oil TUBE
 - 2 Camshaft Sprocket Thrust Bearing SCREW
 - 3 Crankshaft SPROCKET
 - 4 Camshaft Sprocket to Hub SCREW
 - 5 Camshaft GEAR or SPROCKET
 - 6 Timing Marks
 - 7 Timing CHAIN

☆ Not Used

CHAIN CASE COVER PLATE

No.
690844
T-203



USM-ENG-16A

See Page 20 for Installation

No.
688195
T-118

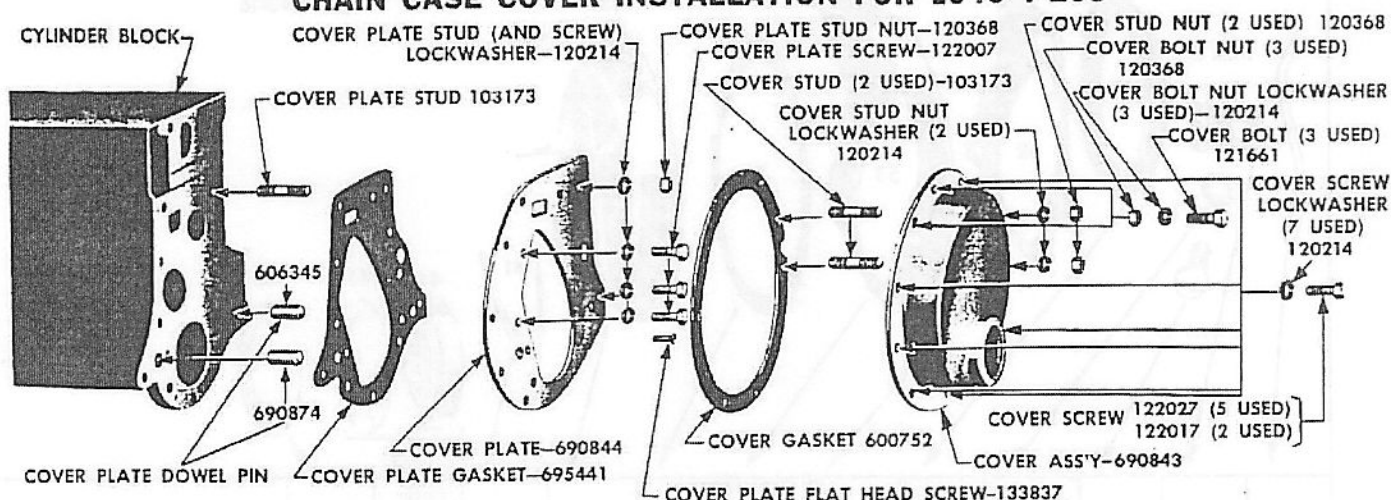
A

For Chain Case Cover and Plate Attaching Parts
see Page No. 21

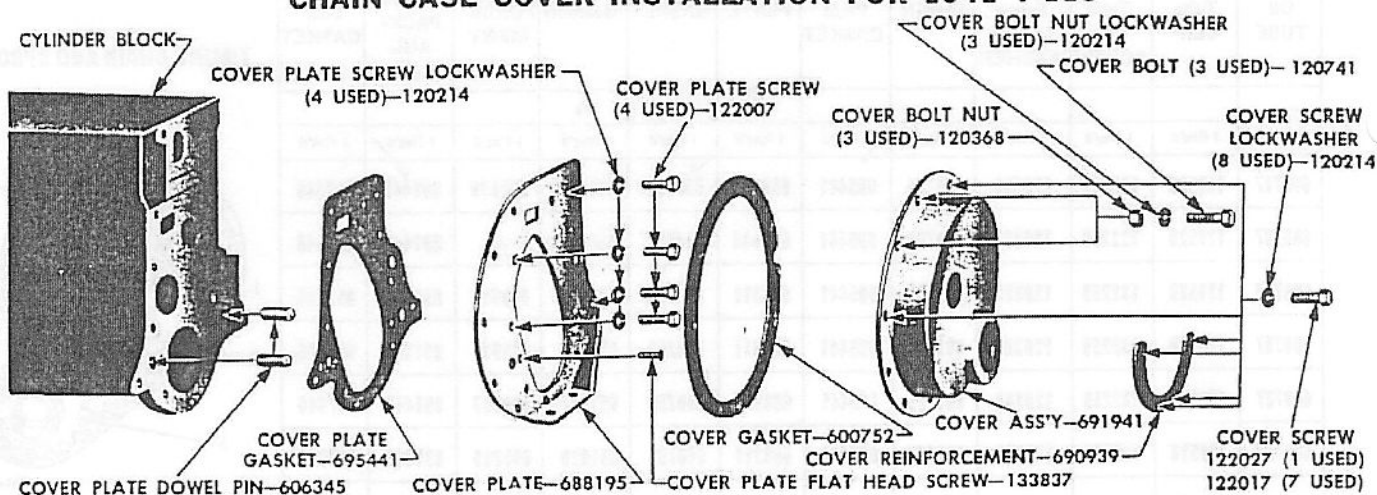
⌘ FOR CONTENTS OF SERVICE PACKAGES,
SEE BILL OF MATERIAL SECTION.

ENGINE—GROUP 01

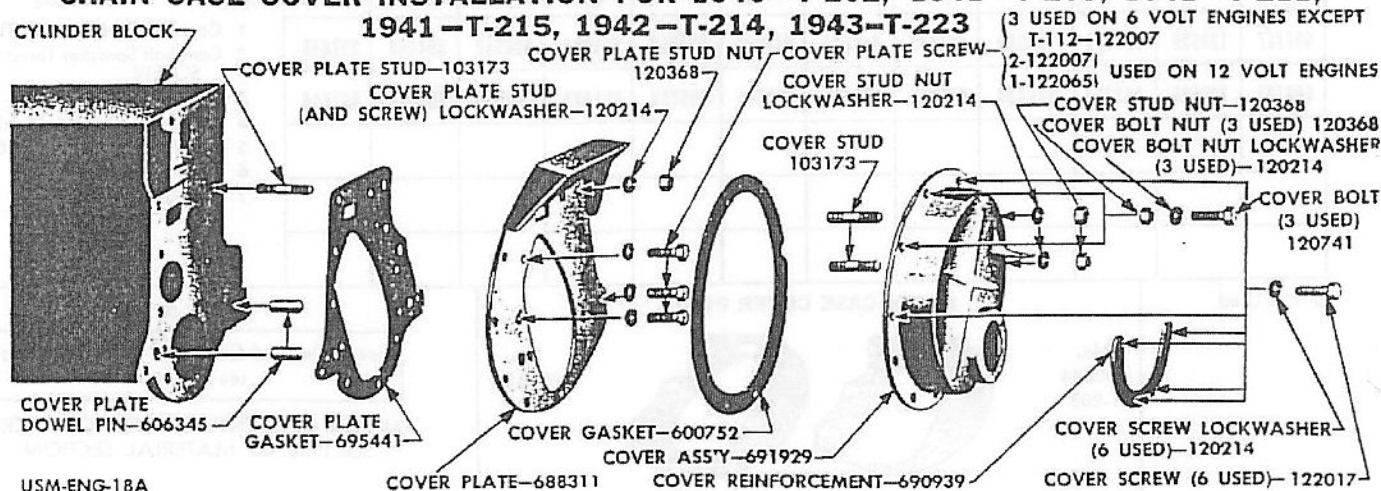
CHAIN CASE COVER INSTALLATION FOR 1940 T-203



CHAIN CASE COVER INSTALLATION FOR 1941 T-118



CHAIN CASE COVER INSTALLATION FOR 1940-T-202, 1941-T-207, 1941-T-211, 1941-T-215, 1942-T-214, 1943-T-223



USM-ENG-18A

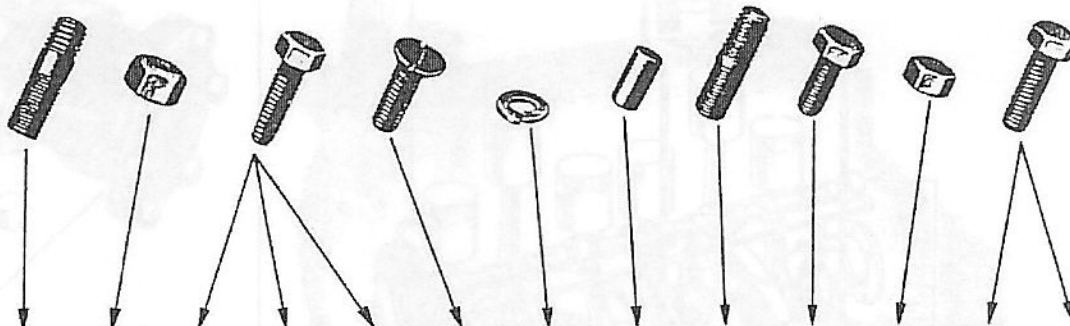
SNL G-657

ENGINE—GROUP 01

PAGE

CHAIN CASE COVER PLATE ATTACHING PARTS—SUB-GROUP 0106

USM-ENG-19



YEAR AND ENGINEERING SYMBOL	Cover Plate STUD	Cover Plate Stud NUT	Cover Plate Hex. Head SCREWS			Cover Plate Flat Head SCREW	Cover Plate Stud and Screw LOCK- WASHER	Cover Plate Dowel PIN	Cover STUD	Cover BOLT	Cover Stud or Bolt NUT	Cover Hex. Head SCREW	
			All Except Radio Models	Radio Models								A	A
	1 Req'd	1 Req'd	3 Req'd	2 Req'd	1 Req'd	1 Req'd	4 Req'd	2 Req'd	2 Req'd	3 Req'd	5 Req'd	6 Req'd	As Req'd
1940—T202	103173	120368	122007	122007	122065	☆	120214	606345	103173	120741	120368	122017	—
1940—T203	103173	120368	122007	NONE BUILT	NONE BUILT	133837	120214	1-606345 1-690674	103173	121661	120368	2 Req'd 122040	6 Req'd 122027
1941—T207	103173	120368	122007	122007	122065	☆	120214	606345	103173	120741	120368	122017	—
1941—T211 Up to Eng. No. 42001	103173	120368	122007	122007	122065	☆	120214	606345	103173	120741	120368	122017	—
1941—T211 After Eng. No. 42001	103173	120368	122007	122007	122065	☆	120214	606345	103173	120741	120368	122017	—
1941—T215	103173	120368	122007	122007	122065	☆	120214	606345	103173	120741	120368	122017	—
1941—T112	☆	☆	4 Req'd 122007	NONE BUILT	NONE BUILT	☆	120214	606345	☆	120741	3 Req'd 120368	6 Req'd 122017	—
1941—T118	☆	☆	4 Req'd 122007	NONE BUILT	NONE BUILT	133837	120214	606345	☆	120741	3 Req'd 120368	7 Req'd 122017	1 Req'd 122027
1942—T214	103173	120368	See Note 1 122007	See Note 2 122007	See Note 2 122065	☆	120214	606345	103173	120741	120368	122017	—
1943—T223	103173	120368	122007	☆	☆	☆	120214	606345	103173	120741	120368	122017	—

NOTE 1

3 of 122007 SCREW used on Weapon Carrier-Weapon Carrier w/Winch - Ambulance - Telephone Maintenance - Emergency Repair Chassis

☆ Not Used

A

LOCKWASHERS USED FOR STUD, AND NUTS
11—120214 for all models except T-203
12—120214 used for model T-203

NOTE 2

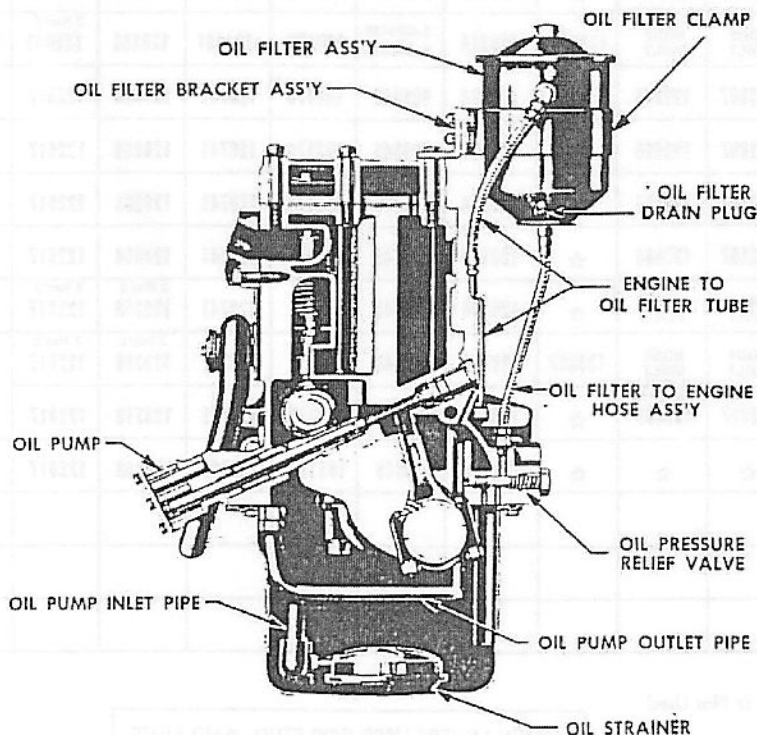
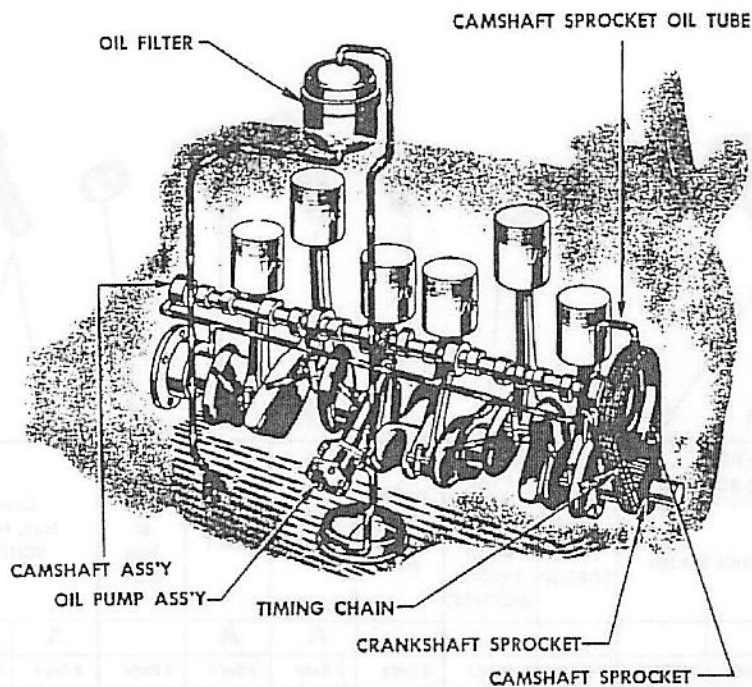
2 of 122007, 1 of 122065 used on Carryall—Command—Command w/Winch—Command w/Radio

: CURRENT NUMBER—FOR PREVIOUS NUMBER, SEE PARTS SUPERSEDECE LIST.

SNL G-657

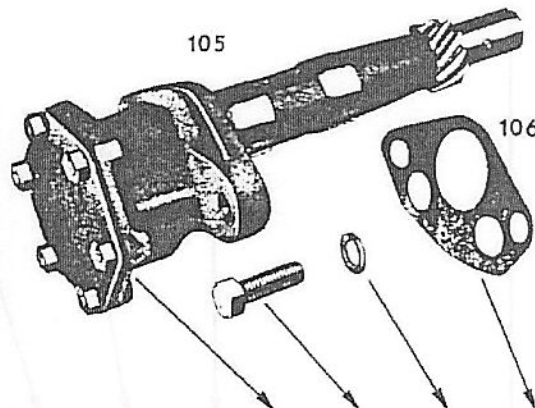
ENGINE—GROUP 01

OILING SYSTEM—OIL PUMP—SUB-GROUP 0107



USM-ENG-20

USM-ENG-20A



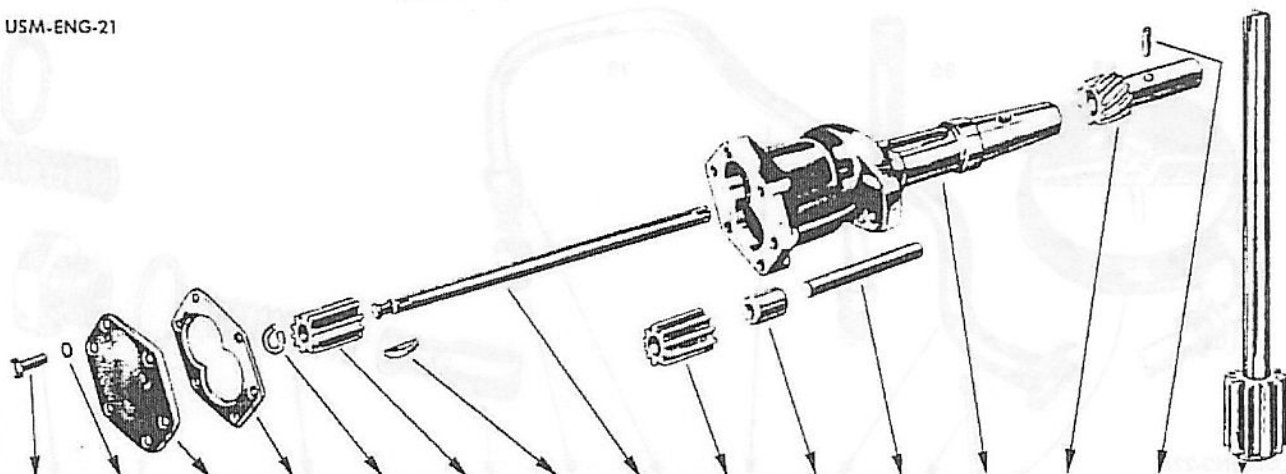
YEAR AND ENGINEERING SYMBOL	OIL PUMP Assembly	Attaching SCREW	Attaching Screw LOCK- WASHER	Oil Pump to Cyl. Block GASKET
	1 Req'd	2 Req'd	2 Req'd	1 Req'd
1940—T202	601269	122138	120382	695442
1940—T203	601269	122138	120382	695442
1941—T207	601269	122138	120382	695442
1941—T211 Up to Eng. No. 42001	601269	122138	120382	695442
1941—T211 After Eng. No. 42001	601269	122138	120382	695442
1941—T215	601269	122138	120382	695442
1941—T112	601269	122138	120382	695442
1941—T118	601269	122138	120382	695442
1942—T214	601269	122138	120382	695442
1943—T223	601269	122138	120382	695442

ENGINE—GROUP 01

PAGE

OIL PUMP PARTS—SUB-GROUP 0107

USM-ENG-21



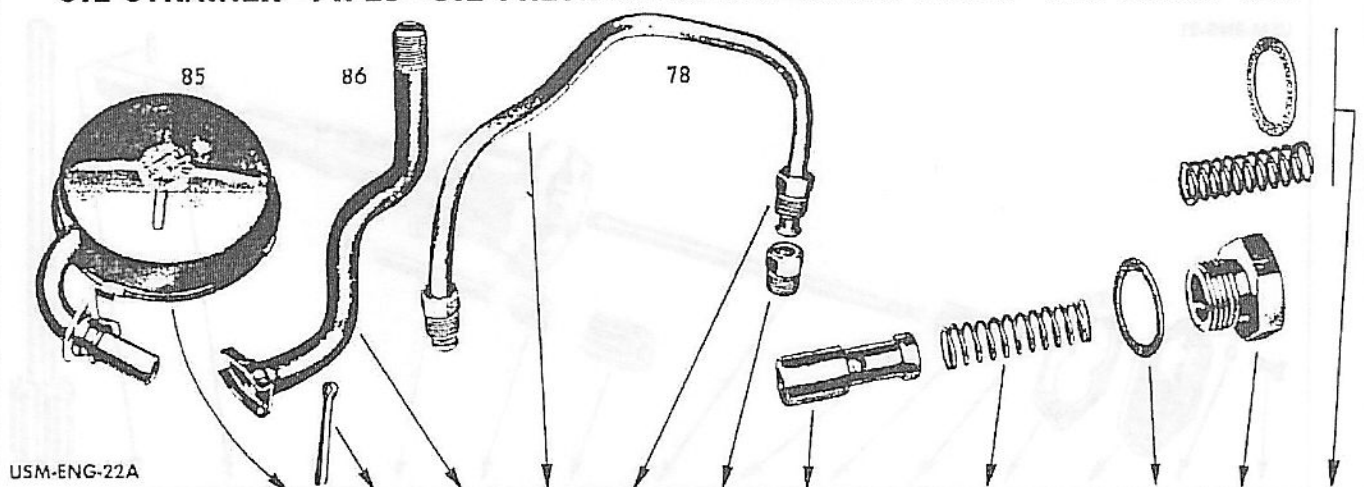
Cover SCREW	Cover Screw LOCK- WASHER	COVER	Cover GASKET	Drive Gear RE- TAINER	Drive GEAR	Drive Gear KEY	Drive SHAFT	Idler GEAR AND BUSH- ING Assembly	Idler Gear BUSH- ING	Idler Gear SHAFT	OIL PUMP BODY Assembly	Distrib- utor Drive GEAR	Distrib- utor Drive Gear PIN	Drive GEAR AND SHAFT Assembly	OIL PUMP REPAIR PACK- AGE ♦♦
6 Req'd	6 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd
120854	138485	50743	50744	40297	40296	103905	40882	625501	625498	74496	600771	601268	103708	40881	996412
120854	138485	50743	50744	40297	40296	103905	40882	625501	625498	74496	600771	601268	103708	40881	996412
120854	138485	50743	50744	40297	40296	103905	40882	625501	625498	74496	600771	601268	103708	40881	996412
120854	138485	50743	50744	40297	40296	103905	40882	625501	625498	74496	600771	601268	103708	40881	996412
120854	138485	50743	50744	40297	40296	103905	40882	625501	625498	74496	600771	601268	103708	40881	996412
120854	138485	50743	50744	40297	40296	103905	40882	625501	625498	74496	600771	601268	103708	40881	996412
120854	138485	50743	50744	40297	40296	103905	40882	625501	625498	74496	600771	601268	103708	40881	996412
120854	138485	50743	50744	40297	40296	103905	40882	625501	625498	74496	600771	601268	103708	40881	996412
120854	138485	50743	50744	40297	40296	103905	40882	625501	625498	74496	600771	601268	103708	40881	996412
856050	☆	50743	50744	40297	40296	103905	40882	625501	625498	74496	600771	601268	103708	40881	996412

☆ Not Used

♦♦ FOR CONTENTS OF SERVICE PACKAGES, SEE BILL OF MATERIAL SECTION.

ENGINE—GROUP 01

OIL STRAINER—PIPES—OIL PRESSURE RELIEF VALVE PARTS—SUB-GROUP 0107



YEAR AND ENGINEERING SYMBOL	Float Type Oil STRAINER Assem- bly	Suction Pipe Cotter PIN	Suction PIPE Assem- bly	Outlet PIPE	Outlet Pipe NIPPLE	Outlet Pipe NUT	Relief Valve PLUNGER	Relief Valve SPRING			Relief Valve Cap GASKET	Relief Valve CAP	RELIEF VALVE SPRING Package & &
								Plain	Red	Green			
								Standard	Light	Heavy			
	1 Req'd	1 Req'd	1 Req'd	1 Req'd	2 Req'd	2 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd
1940—T202	See Note 1 862831	See Note 1 :119209	See Note 1 865128	665806	671152	137400	618759	617672	617673	619057	618622	618621	996413
1940—T203	See Note 1 862831	See Note 1 :119209	See Note 1 862832	665806	671152	137400	618759	617672	617673	619057	618622	618621	996413
1941—T207	862831	:119209	865128	665806	671152	137400	677263	617672	617673	619057	618622	618621	996413
1941—T211 Up to Eng. No. 42001	862831	:119209	865128	665806	671152	137400	677263	617672	617673	619057	618622	618621	996413
1941—T211 After Eng. No. 42001	862831	:119209	865128	665806	671152	137400	677263	617672	617673	619057	618622	618621	996413
1941—T215	862831	:119209	865128	665806	671152	137400	677263	617672	617673	619057	618622	618621	996413
1941—T112	862831	:119209	862832	665806	671152	137400	677263	617672	617673	619057	618622	618621	996413
1941—T118	862831	:119209	862832	665806	671152	137400	618759	617672	617673	619057	618622	618621	996413
1942—T214	862831	:119209	865128	665806	671152	137400	677263	617672	617673	619057	618622	618621	996413
1943—T223	862831	119209	865128	665806	671152	137400	677263	617672	617673	619057	618622	618621	996413

NOTE 1

Float Type Oil Strainer was used on late 1940—T202 and T203 models—use parts shown in columns. For early 1940—T202 and T203 models which used Stationary Type Oil Strainers specify the following parts.

- 1—671153 Oil Suction Pipe NIPPLE
- 1—137401 Oil Suction Pipe NUT
- 1—620047 Oil Suction PIPE—T202
- 1—665805 Oil Suction PIPE—T203
- 1—137401 Oil Suction Pipe NUT
- 1—625511 Oil Suction Pipe CONNECTOR
- 1—672484 OIL STRAINER Assembly
- 1—572537 Oil Strainer LOCKWIRE



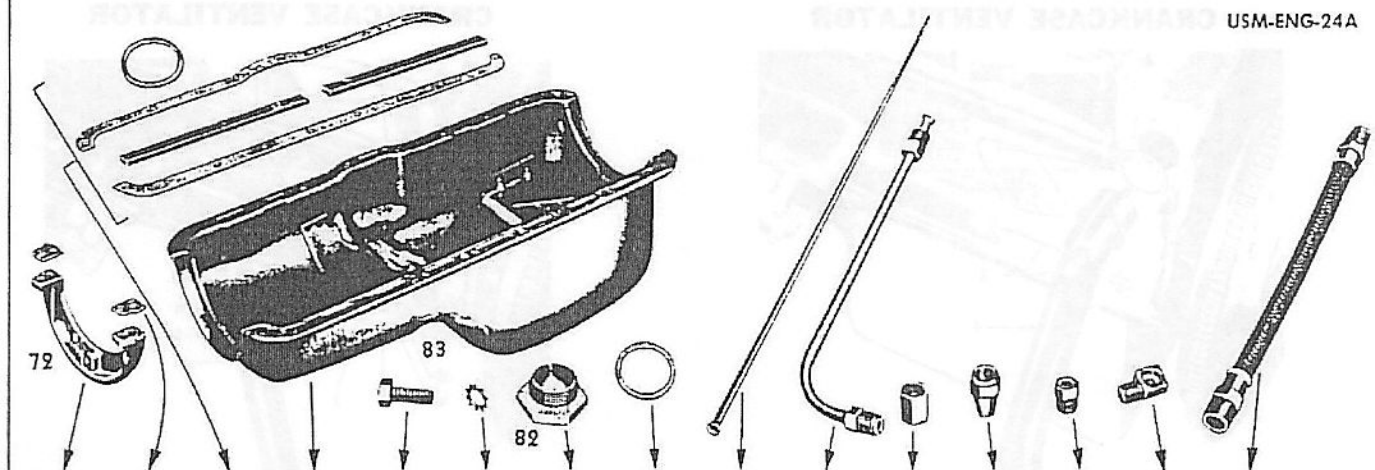
: CURRENT NUMBER—FOR PREVIOUS NUMBER, SEE PARTS SUPERSEDECE LIST.
 && FOR CONTENTS OF SERVICE PACKAGES, SEE BILL OF MATERIAL SECTION.

ENGINE—GROUP 01

PAGE 21

OIL PAN PARTS—OIL TUBES—SUB-GROUP 0107

USM-ENG-24A



Front Oil Seal PLATE	Front Oil Seal Plate GASKET	Oil Pan GASKET SET ♦♦	OIL PAN Assembly	Oil Pan Attaching SCREW	Attaching Screw LOCK-WASHER	Oil Pan Drain PLUG	Drain Plug GASKET	Engine to Oil Gauge TUBE Upper Lower	Gauge Tube UNION	Gauge Tube NUT AND SLEEVE	Gauge Tube NUT	Gauge Tube ELBOW	Gauge HOSE Assembly	
			A											
1 Req'd	2 Req'd	1 Req'd	1 Req'd	20 Req'd	20 Req'd	1 Req'd	1 Req'd	1 Req'd 1 Req'd	1 Req'd	1 Req'd	3 Req'd	1 Req'd	1 Req'd	
688309	600764	933438	865129	122007	138485	50722	105456	:861525 :861540	☆	119335	137396	137420	594062	
688309	600764	933439	692884	122007	138485	50722	105456	:861525 :861541	☆	119335	137396	137420	594062	
688309	☆	933438	865129	122007	138485	50722	105456	:861525 861540	☆	119335	137396	137420	594062	
688309	☆	933438	865129	122007	138485	50722	105456	:861525 861540	☆	119335	137396	137420	594062	
688309	☆	933438	865129	122007	138485	50722	105456	:861525 861540	☆	119335	137396	137420	594062	
688309	☆	933438	865129	122007	138485	50722	105456	861704 861592	137413	118537	137397	137421	655074	
688309	☆	933438	857630	122007	138485	50722	105456	861526 861548	599280	119335	137396	137420	594062	
688309	☆	933439	692884	122007	138485	50722	105456	861526 861549	599280	119335	137396	137420	☆	
688309	☆	933438	954095	122007	138485	50722	105456	SEE NOTE 1 922131	137413	118537	137397	137421	655074	
688309	☆	933438	954095	w/washer 859731	☆	50722	105456	922130 922131	137413	118537	137396	137421	655074	

A

Oil Pan Front End Oil Seal Plate Attaching Parts

- 2—132268 SCREW
- 2—120380 LOCKWASHER
- 1—132325 SCREW
- 1—138485 LOCKWASHER

All Models

NOTE 1

Specify No. 922130 for T214 Models all except Ambulance and Carry-All
Specify No. 924450 for T214 Ambulance and Carry-All

☆ Not Used

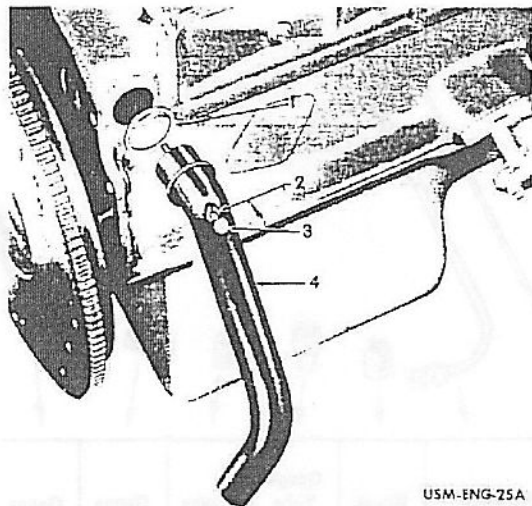
: CURRENT NUMBER—FOR PREVIOUS NUMBER, SEE PARTS SUPERSEDEANCE LIST.
♦♦ FOR CONTENTS OF SERVICE PACKAGES, SEE BILL OF MATERIAL SECTION.

SNL G-657

ENGINE—GROUP 01

CRANKCASE VENTILATOR PARTS—SUB-GROUP 0107

CRANKCASE VENTILATOR

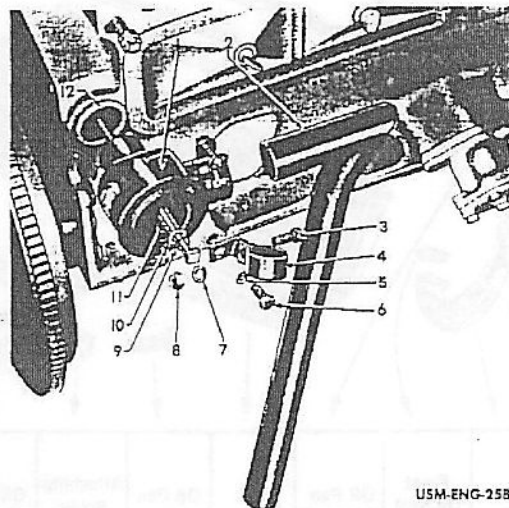


USM-ENG-25A

For Models T202-T203-T207-T211-T215-T112-T118

REF. NO.	PART NAME	PART NO.	SUB-GROUP
1	GASKET—Ventilator Outlet Pipe.....	301034	0107
2	LOCKWASHER—Outlet Pipe Screw.....	120214	0107
3	SCREW—Outlet Pipe—Models T-202-T203-T207-T211-T215.....	100130	0107
3	SCREW—Outlet Pipe—Models T112-T118...	173063	0107
4	OUTLET PIPE ASSEMBLY—Model T203...	588998	0107
4	OUTLET PIPE ASSEMBLY—Models T202-T207-T211-T215.....	599525	0107
4	OUTLET PIPE ASSEMBLY—Models T112-T118.....	5859782	0107
1 used each per truck			

CRANKCASE VENTILATOR



USM-ENG-25B

Used up to approximately FIRST 82000—Model T214 Trucks
See list below for effective Truck Serial Numbers

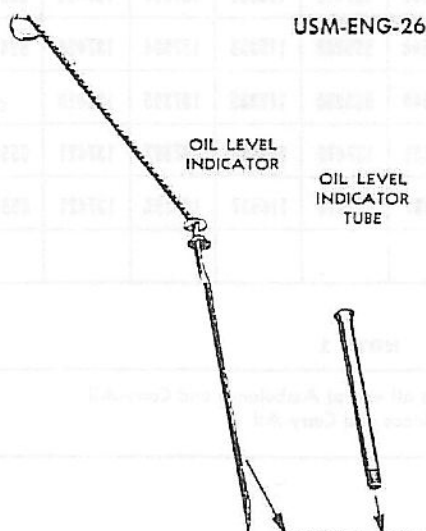
REF. NO.	PART NAME	PART NO.	GROUP
1	Air CLEANER—Crankcase Ventilator Outlet Pipe.....	627488	0107
2	PIPE Assembly—Crankcase Ventilator Outlet.....	923492	0107
3	BOLT—Crankcase Ventilator Outlet Pipe Bracket Clamp.....	120228	0107
4	BRACKET—Crankcase Ventilator Outlet Pipe.....	922732	0107
5	LOCKWASHER—Crankcase Ventilator Outlet Pipe Bracket to Cylinder Block Screw.....	120382	0107
6	SCREW—Crankcase Ventilator Outlet Pipe Bracket to Cylinder Block.....	122119	0107
7	LOCKWASHER—Crankcase Ventilator Outlet Pipe Bracket Clamp Bolt Nut.....	120214	0107
8	NUT—Crankcase Ventilator Outlet Pipe Bracket Clamp Bolt.....	120376	0107
9	LOCKWASHER—Crankcase Ventilator Outlet Pipe Air Cleaner Screw.....	120214	0107
10	PLAIN WASHER—Crankcase Ventilator Outlet Pipe Air Cleaner Screw.....	120387	0107
11	SCREW—Crankcase Ventilator Outlet Pipe Air Cleaner.....	100130	0107
12	GASKET—Crankcase Ventilator Outlet Pipe Air Cleaner.....	301034	0107

ABOVE LIST OF PARTS USED ON

Emergency Repair Chassis Telephone Maintenance Weapon Carrier W/O Winch	Up to Ser. No. 81629615 except 81614047 through 81619000
Weapon Carrier W/ Winch	Up to Ser. No. 81629162 except 81613722 through 81619000
Command W/O Winch Command W/ Radio Carry All	Up to Ser. No. 81632482
Command W/ Winch	Up to Ser. No. 81632062
Ambulance	Up to Ser. No. 81629184 also on 81629492 through 81629589

OIL LEVEL INDICATOR AND TUBE

1—920932	OIL LEVEL INDICATOR—Models T202-T207-T211-T215-T112-T214-T223
1—673375	OIL LEVEL INDICATOR—Models T203-T118
1—673372	OIL LEVEL INDICATOR TUBE—Models T203-T118 Only



USM-ENG-26

: CURRENT NUMBER—FOR PREVIOUS NUMBER, SEE PARTS SUPERSEDEENCE LIST.

ENGINE—GROUP 01

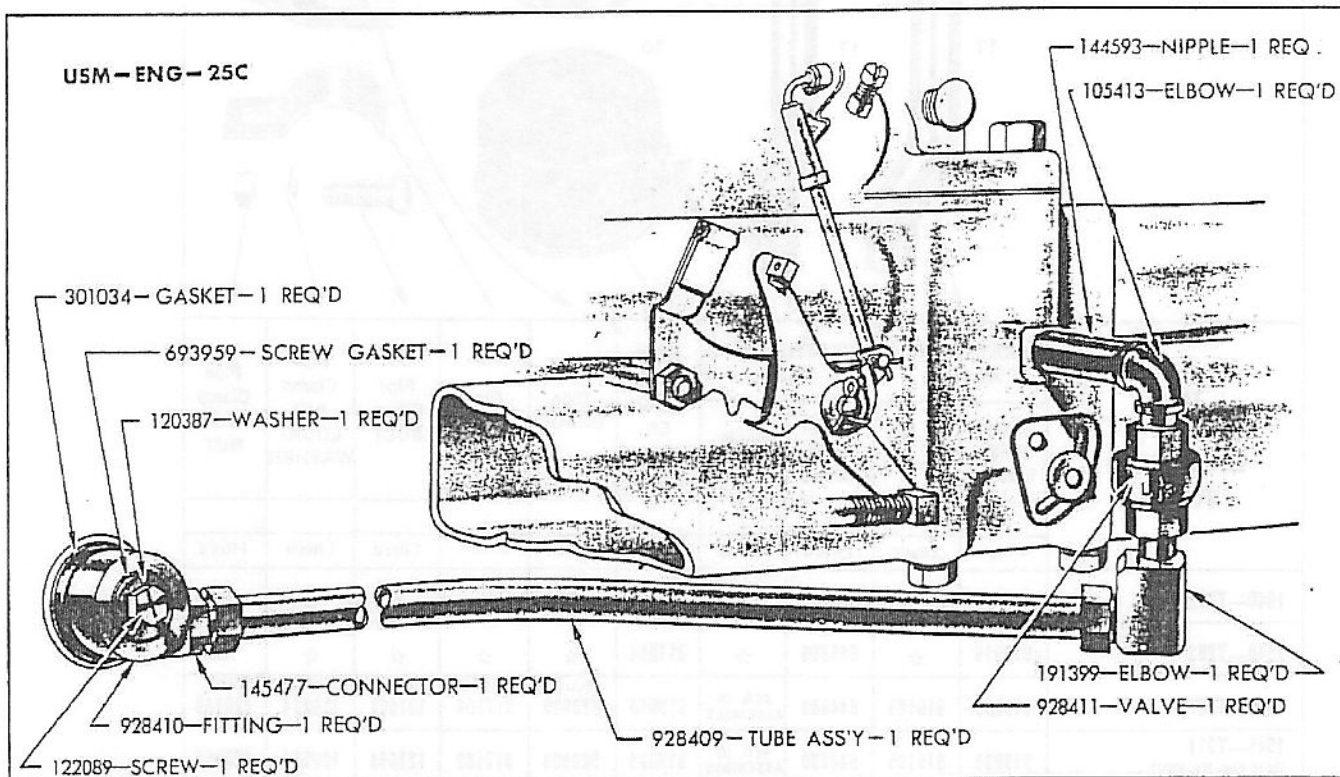
PAGE 2

CRANKCASE VENTILATOR PARTS—SUB-GROUP 0107

CRANKCASE VENTILATOR

Used after approximately FIRST 82000—Model T214 Trucks and all Model T223 Trucks
See list below for effective Truck Serial Numbers for Model T214

PERSPECTIVE DRAWING SHOWING CRANKCASE VENTILATING SYSTEM MODELS T-214 AND T-223



PART NUMBER	NAME OF PART	SUB-GROUP
1 928409	TUBE ASSEMBLY—Crankcase Ventilator.....	0107
2 137400	NUT—Crankcase Ventilator Tube.....	0107
1 145477	CONNECTOR—Crankcase Ventilator Tube.....	0107
1 928410	FITTING—Crankcase Ventilator Tube to Cylinder Block.....	0107
1 122089	SCREW—Crankcase Ventilator Tube to Cylinder Block Fitting.....	0107
1 693959	GASKET—Crankcase Ventilator Tube to Cylinder Block Fitting Screw.....	0107
1 301034	GASKET—Crankcase Ventilator Tube to Cylinder Block Fitting.....	0107
1 928411	METERING VALVE ASSEMBLY—Crankcase Ventilator.....	0107
1 191399	ELBOW—Crankcase Ventilator Tube to Metering Valve.....	0107
1 120387	WASHER—Crankcase Ventilator Tube to Cylinder Block Fitting Screw.....	0107
1 144593	NIPPLE—Crankcase Ventilator Metering Valve to Manifold.....	0107
1 105413	ELBOW—Crankcase Ventilator Metering Valve to Manifold.....	0107

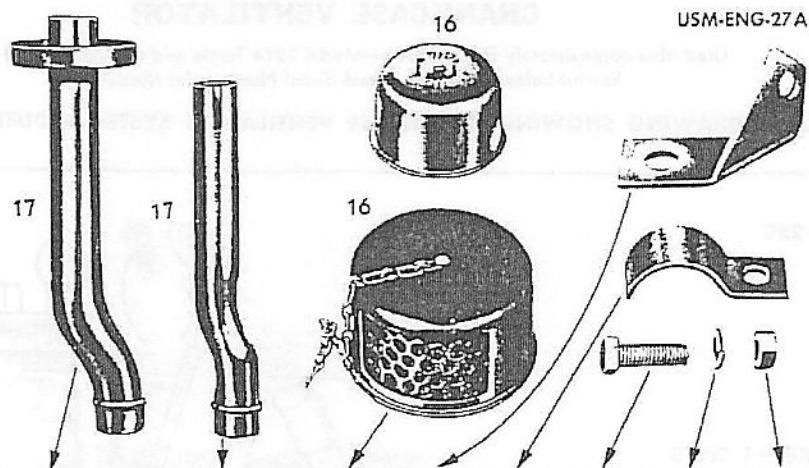
ABOVE LIST OF PARTS USED ON

Emergency Repair Chassis Telephone Maintenance Weapon Carrier W/O Winch	After Ser. No. 81629615 also 81614047 through 81619000
Weapon Carrier W/ Winch	After Ser. No. 81629162 also 81613722 through 81619000
Command W/O Winch Command W/ Radio Carry All	After Ser. No. 81632482
Command W/ Winch	After Ser. No. 81632062
Ambulance	After Ser. No. 81629184 except 81629492 through 81629589

SNL G-657

ENGINE—GROUP 01

CRANKCASE BREATHER PARTS—SUB-GROUP 0107



YEAR AND ENGINEERING SYMBOL	BREATHER PIPE Assembly		BREATHER PIPE (Only)		PIPE AIR CLEAN- ER (or CAP)	Pipe BRACE	Pipe CLAMP	Pipe Clamp BOLT	Pipe Clamp Bolt LOCK- WASHER	Pipe Clamp Bolt NUT
	Except Radio Models	Radio Models	Except Radio Models	Radio Models						
	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	2 Req'd	1 Req'd	1 Req'd	1 Req'd
1940—T202	919039	598737	644889	651245	311884	☆	☆	☆	☆	☆
1940—T203	919039	☆	644889	☆	311884	☆	☆	☆	☆	☆
1941—T207	919039	919105	644889	SER. IN ASSEMBLY	919094	920930	917109	121661	120214	120368
1941—T211 Up to Eng. No. 42001	919039	919105	644889	SER. IN ASSEMBLY	919094	920930	917109	121661	120214	120368
1941—T211 After Eng. No. 42001	920250	919105	SERVICED IN ASSEMBLY		919094	920930	917109	121661	120214	120368
1941—T215	920250	919105	SERVICED IN ASSEMBLY		919094	920930	917109	121661	120214	120368
1941—T112	☆	☆	871863	☆	871861	☆	☆	☆	☆	☆
1941—T118	☆	☆	871862	☆	871861	☆	☆	☆	☆	☆
1942—T214	☆	☆	See Note 1 921194	See Note 1 921195	See Note 1 921193	See Note 2 920930	See Note 2 917109	See Note 2 121661	See Note 2 120214	See Note 2 120368

NOTE 1

Emergency Repair Chassis Telephone Maintenance Weapon Carrier	Used Up to Ser. No. 81629615 Except 81614047 through 81619000
Weapon Carrier W/Winch	Used Up to Ser. No. 81629162 Except 81613722 through 8169000
Ambulance	Used Up to Ser. No. 81629184 also on 81629492 through 81629589
Command Command W/Radio Carry All	Used Up to Ser. No. 81632482
Command W/Winch	Used to Ser. No. 81632062

NOTE 2

Command Command W/Radio Carry All	Used Up to Ser. No. 81632482
Command W/Winch	Used Up to Ser. No. 81632062

BREATHER PIPE BRACKET AND PARTS USED
ON MODEL T223 ALL AND T214 FOR EMERGENCY
REPAIR CHASSIS, TELEPHONE MAINTENANCE,
WEAPON CARRIER AND AMBULANCE

- 1—928838 Pipe Bracket
- 1—121661 Bracket Bolt
- 1—120387 Lockwasher
- 1—120214 Plain Washer
- 1—120368 Nut
- 1—178571 Lockwasher for Bracket to Cylinder Stud

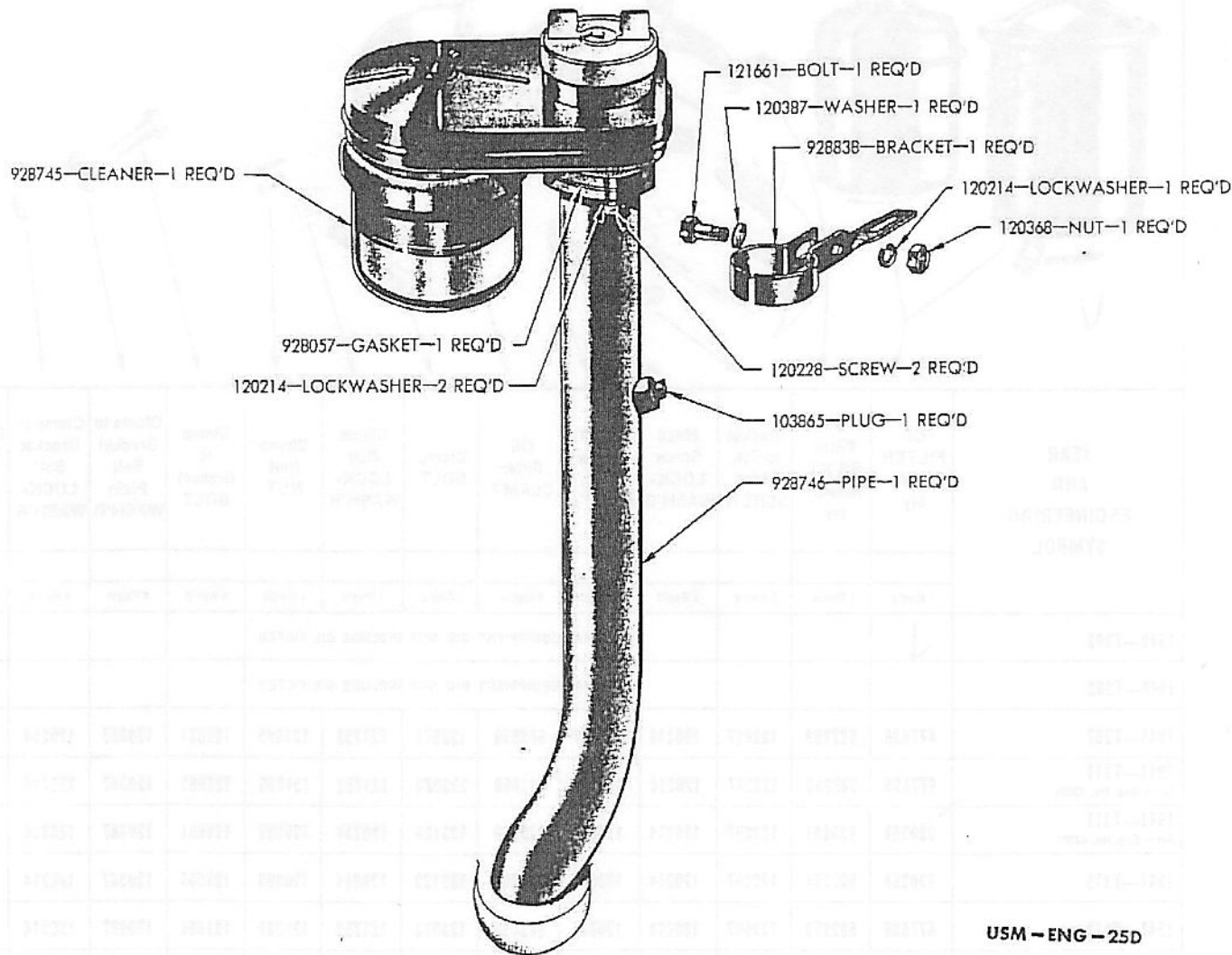
☆ Not Used

ENGINE—GROUP 01

PAGE

CRANKCASE BREATHER PARTS—SUB-GROUP 0107

CRANKCASE BREATHER



USM—ENG—25D

PERSPECTIVE DRAWING SHOWING BREATHER INSTALLATION ON MODELS T-214 AND T-223

PART NUMBER	NAME OF PART	SUB-GROUP
1 928746	PIPE ASSEMBLY—Engine Breather.....	0107
1 103865	PLUG—Breather Pipe.....	0107
1 928745	AIR CLEANER—Breather Pipe.....	0107
2 120228	SCREW—Breather Pipe Air Cleaner.....	0107
2 120214	LOCKWASHER—Breather Pipe Air Cleaner Screw.....	0107
1 928057	GASKET—Breather Pipe Air Cleaner.....	0107
1 928838	BRACKET ASSEMBLY—Breather Pipe.....	0107
1 121661	BOLT—Breather Pipe Bracket.....	0107
1 120368	NUT—Breather Pipe Bracket Bolt.....	0107
1 120214	LOCKWASHER—Breather Pipe Bracket Bolt.....	0107
1 120387	PLAIN WASHER—Breather Pipe Bracket Bolt.....	0107

ABOVE PARTS USED ON ALL MODEL T223 AND ON MODEL T214 AFTER THE EFFECTIVE POINTS BELOW

Emergency Repair Chassis After Ser. No. 81629615 also
Telephone Maintenance 81614047 through 81619000
Weapon Carrier W/O Winch

Weapon Carrier W/ Winch After Ser. No. 81629162 also
81613722 through 81619000

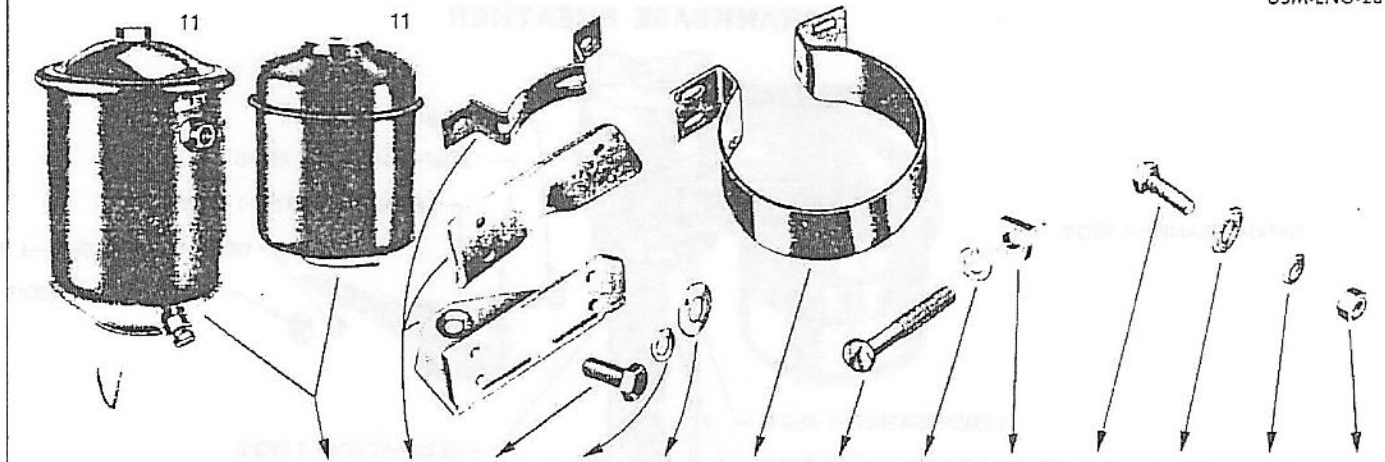
Command W/O Winch
Command W/ Winch After Ser. No. 81632482
Carry All

Command W/ Winch After Ser. No. 81632062
Ambulance After Ser. No. 81629184 exce
81629492 through 81629589

ENGINE—GROUP 01

OIL FILTER AND ATTACHING PARTS—SUB-GROUP 0107

USM-ENG-28



YEAR AND ENGINEERING SYMBOL	OIL FILTER Assem- bly	OIL Filter BR'KT Assem- bly	Bracket to Cyl. Head SCREW	Head Screw LOCK- WASH'R	Head Screw Plain WASH'R	Oil Filter CLAMP	Clamp BOLT	Clamp Bolt LOCK- WASH'R	Clamp Bolt NUT	Clamp to Bracket BOLT	Clamp to Bracket Bolt Plain WASH'R	Clamp to Bracket Bolt LOCK- WASH'R	Clamp to Bracket Bolt NUT
	1 Req'd	1 Req'd	2 Req'd	2 Req'd	2 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	4 Req'd	4 Req'd	4 Req'd	4 Req'd
1940—T202	✓					ORIGINAL EQUIPMENT DID NOT INCLUDE OIL FILTER							
1940—T203						ORIGINAL EQUIPMENT DID NOT INCLUDE OIL FILTER							
1941—T207	677536	582959	122017	120214	120387	683050	133073	121753	131395	121661	120387	120214	120368
1941—T211 Up to Eng. No. 42001	677536	582959	122017	120214	120387	683050	133073	121753	131395	121661	120387	120214	120368
1941—T211 After Eng. No. 42001	920258	920261	122007	120214	120387	920260	133129	120214	120399	121661	120387	120214	120368
1941—T215	920258	920261	122007	120214	120387	920260	133129	120214	120399	121661	120387	120214	120368
1941—T112	677536	582959	122007	120214	120387	683050	133073	121753	131395	121661	120387	120214	120368
1941—T118	637177	660676	SEE NOTE 1	SEE NOTE 1	SEE NOTE 1	SEE NOTE 2	133046	120380	131395	☆	☆	☆	☆
1942—T214	920258	920261	☆	☆	☆	920260	133129	120214	120399	SEE NOTE 3	☆	10 Req'd 178532	120368
1943—T223	920258	920261	☆	☆	☆	920260	133129	120214	120399	SEE NOTE 3	☆	10 Req'd 178532	120368

NOTE 1

Use 2—103171 STUD
2—120214 Stud Nut LOCKWASHER
2—120368 Stud NUT

NOTE 3

Use 2—121661 Clamp to Bracket BOLT
2—123499 Clamp to Bracket BOLT

NOTE 2

Use 2—71165 Clamp STRAPS



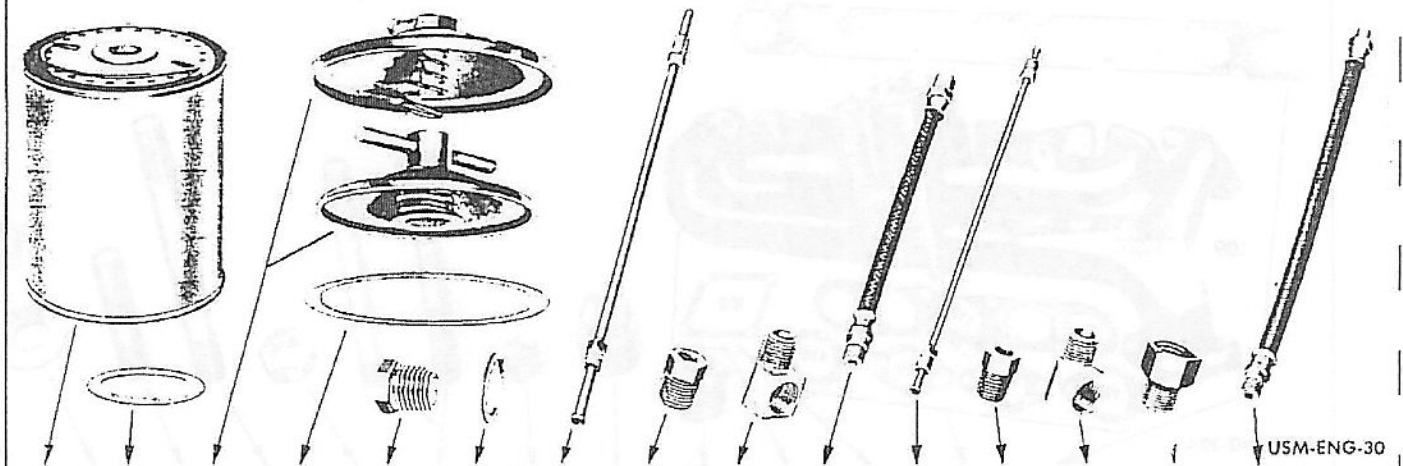
Used with PART No. 660676—BRACKET

☆ Not Used

ENGINE—GROUP 01

PAGE 3

OIL FILTER AND ATTACHING PARTS—SUB-GROUP 0107



Oil Filter CARTRIDGE	Cartridge GASKET	COVER Assembly	Cover GASKET	Drain PLUG	Drain Plug GASKET	Engine to Oil Filter TUBE	Tube NUT	Tube ELBOW	Engine to Oil Filter HOSE Assembly	Oil Filter to Engine TUBE	Tube NUT	Tube ELBOW	Tube CON-NECTOR	Oil Filter to Engine HOSE Assembly	
SEE NOTE 1															
1 Req'd	2 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	2 Req'd	2 Req'd	1 Req'd	1 Req'd	2 Req'd	1 Req'd	1 Req'd	1 Req'd	
					ORIGINAL EQUIPMENT DID NOT INCLUDE OIL FILTER										
					ORIGINAL EQUIPMENT DID NOT INCLUDE OIL FILTER										
677218	685623	685622	683054	683053	683055	861595	137397	137421	655074	861593	137397	137421	869572	655074	
677218	685623	685622	683054	683053	683055	861595	137397	137421	655074	861593	137397	137421	869572	655074	
921178	☆	921179	921180	921181	☆	861592	137397	137421	655074	☆	☆	☆	869572	920274	
921178	☆	921179	921180	921181	☆	861592	137397	137421	655074	☆	☆	☆	869572	920274	
677218	685623	685622	683054	683053	683055	861602	137397	137421	☆	861604	137397	137421	869572	☆	
	NOT USED WITH SEALED TYPE FILTER					861543	137396	137420	☆	861537	137396	137420	670465	☆	
921178	☆	921179	921180	921181	☆	861598	137397	137421	655074	☆	☆	☆	869572	920274	
921178	☆	921179	921180	921181	☆	861598	137397	137421	655074	☆	☆	☆	869572	920274	

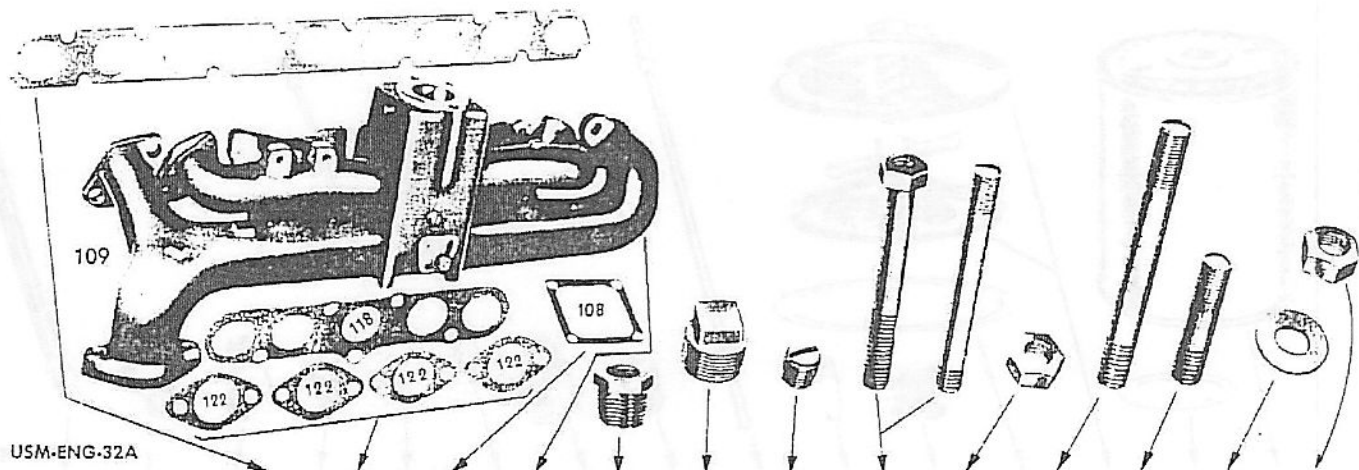
NOTE 1

Models T211 after Eng. No. T211—42001—T215—T214—T223
 1—928924 Oil Filter Cartridge SPRING
 1—928922 Oil Filter Cover SCREW
 1—928923 Oil Filter Cover Screw GASKET
 1—928920 Oil FILTER BODY Assy.

☆ Not Used

ENGINE—GROUP 01

MANIFOLD AND MANIFOLD PARTS—SUB-GROUP 0108



YEAR AND ENGINEERING SYMBOL	Mani- fold One Piece GASKET	Mani- fold GASKET SET ⌘	Intake to Exhaust Mani- fold GASKET	Intake and Exhaust MANI- FOLD Assembly	Wind- shield Wiper Tube Hole Reducing BUSH'G	Booster Hole PLUG	Manifold Hole PLUG	Intake to Exhaust BOLT or SCREW	Intake to Exhaust Bolt NUT	Attaching STUD		Stud Clamp WASHER	Attaching Stud NUT
										Long	Short		
	1 Req'd	1 Req'd	1 Req'd	A 1 Req'd	1 Req'd	1 Req'd	NOTE 2 1 Req'd	4 Req'd	4 Req'd	2 Req'd	7 Req'd	4 Req'd	9 Req'd
1940—T202	854395	780460	601420	868431	119932	☆	103883	317942	☆	103203	51561	43699	114547
1940—T203	854396	780462	666352	See Note 1 677249	☆	103867	103883	126167	120369	669922	51561	43699	114547
1941—T207	854395	780460	601420	868431	119932	☆	☆	317942	☆	103203	51561	43699	114547
1941—T211 Up to Eng. No. 42001	854395	780460	601420	868431	119932	☆	☆	317942	☆	103203	51561	43699	956491
1941—T211 After Eng. No. 42001	854395	780460	601420	871688	119932	☆	☆	317942	☆	103203	51561	391287	956491
1941—T215	854395	780460	601420	871688	119932	☆	☆	317942	☆	103203	51561	391287	956491
1941—T112	854395	780460	601420	952156	119932	☆	103883	317942	☆	103203	51561	391287	114547
1941—T118	854396	780462	666352	871856	119932	☆	103883	126167	120369	669922	51161	43699	114547
1942—T214	854395	1056065	601420	1067126	☆	☆	☆	317942	☆	103203	51561	391287	956491
1943—T223	854395	1056065	601420	1067126	☆	☆	☆	317942	☆	103203	51561	391287	956491

NOTE 1

Also order for T203
2—120706 Screws
2—51019 Washers

☆ Not Used

A

MANIFOLD FUEL CENTRALIZER
Part No. 644861



2 Used
Models—T203-T118

NOTE 2

INTAKE MANIFOLD PLUG
Model T214

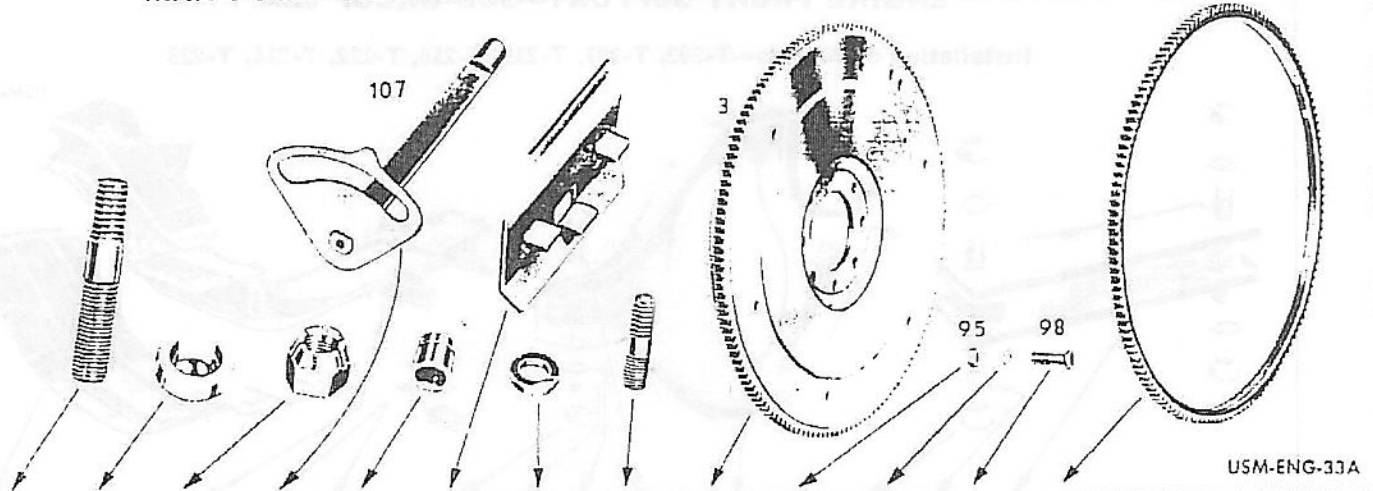
3—112578 Plug
Up to Engine No. 61974
3—143933 Plug
After Engine No. 61974
Model T223
3—143933 Plug

: CURRENT NUMBER—FOR PREVIOUS NUMBER, SEE PARTS SUPERSEDEENCE LIST.
⌘ FOR CONTENTS OF SERVICE PACKAGES, SEE BILL OF MATERIAL SECTION.

ENGINE—GROUP 01

PAGE :

MANIFOLD—HEAT CONTROL—FLYWHEEL—PARTS—SUB-GROUP 0108



Exhaust Manifold STUD	Manifold Stud WASHER	Manifold Stud NUT	Heat Control VALVE SHAFT AND PLATE Assembly	Heat Control Valve Shaft BUSH- ING	Heat Control Valve Plate	Heat Control Valve Adjust'g Plate SPACER	Heat Control Valve Plate STUD	FLY- WHEEL AND RING GEAR Assembly	Bolt NUT	Bolt LOCK- WASHER	Flywheel BOLT	Flywheel RING GEAR	
			B	B	B	B	B						
4 Req'd	4 Req'd	4 Req'd	1 Req'd	2 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	4 Req'd	4 Req'd	4 Req'd	1 Req'd	
623369	623368	623370	614976	651251	604504	614979	147716	857951	662946	136857	667770	393077	
623369	623368	623370	☆	☆	☆	☆	☆	668547	662946	136857	617813	393077	
623369	623368	623370	614976	651251	604504	614979	147716	865624	675594	120383	617813	393077	
623369	623368	623370	614976	651251	604504	614979	147716	865624	675594	120383	871685	393077	
623369	623368	623370	614976	651251	604504	614979	147716	865624	675594	120383	871685	393077	
623369	623368	623370	614976	651251	604504	614979	147716	865624	675594	120383	871685	393077	
623369	623368	623370	614976	651251	604504	614979	147716	857951	675594	120383	871685	393077	
623369	623368	623370	☆	☆	☆	☆	☆	866389	675594	120383	871685	393077	
623369	623368	623370	614976	651251	604504	614979	147716	871686	8 Req'd 675594	8 Req'd 120383	8 Req'd 871685	393077	
623369	623368	623370	614976	651251	604504	614979	147716	871686	8 Req'd 675594	8 Req'd 120383	6 Req'd 871685	393077	

B

WASHERS AND NUTS USED ON MANIFOLD HEAT CONTROL VALVE PLATE STUD NO. 147716

Use 1—120392 PLAINWASHER

1—121753 LOCKWASHER

1—114545 NUT

Used on all Models except T203-T118

☆ Not Used

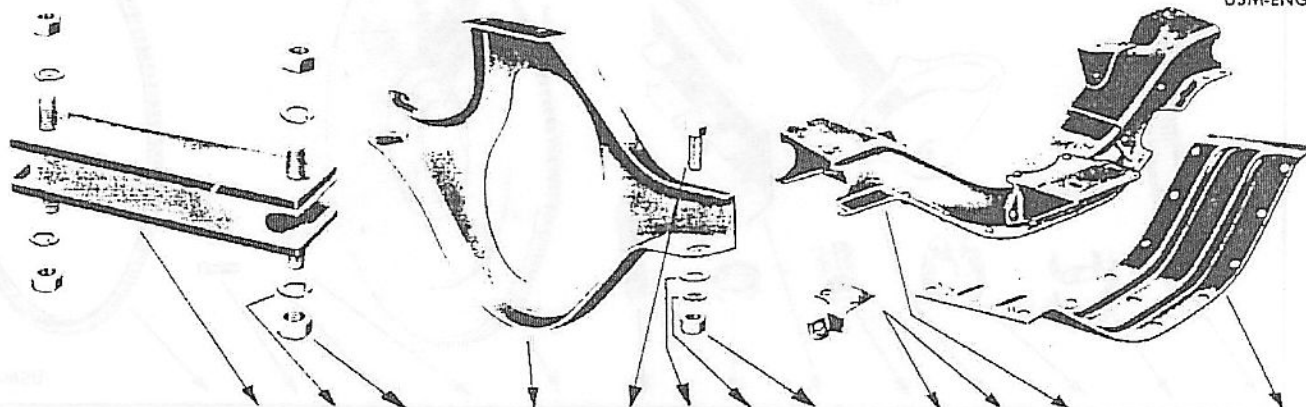
SNL G-6!

ENGINE—GROUP 01

ENGINE FRONT SUPPORT—SUB-GROUP 0110

Installation on Models—T-202, T-207, T-211, T-215, T-112, T-214, T-223

USM-ENG-35



YEAR AND ENGINEERING SYMBOL	INSU- LATOR Assem- bly	Insu- lator LOCK- WASHER	Insu- lator NUT	Engine Front SUP- PORT PLATE	Engine Front Support Plate BOLT	Engine Front Support Plate Bolt PLAIN WASHER	Engine Front Support Plate Bolt LOCK- WASHER	Engine Front Support Plate Bolt NUT	Front Support BRACKET		Front SUPPORT Assembly (Frt. Crossmember)		REIN- FORCE- MENT
									RIGHT	LEFT Less Win.	Less Winch	With Winch	
	1 Req'd	4 Req'd	4 Req'd	1 Req'd	2 Req'd	2 Req'd	2 Req'd	2 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd
1940—T202	671146	120214	120368	852266	123572	79783	120383	120370	598642	598643	598639	☆	:921522
1940—T203				NOT USED—SEE PAGE 35							589183	598967	589194
1941—T207	671146	120214	120368	852266	123572	79783	120383	120370	598642	See Note 2 598643	917318	917317	591439
1941—T211 Up to Eng. No. 42001	671146	120214	120368	852266	123572	79783	120383	120370	598642	598643	917318	☆	591439
1941—T211 After Eng. No. 42001	671146	120214	120368	852266	123572	79783	120383	120370	598642	598643	917318	☆	591439
1941—T215	671146	120214	120368	852266	123572	79783	120383	120370	598642	See Note 2 598643	917318	917317	591439
1941—T112	671146	120214	120368	852266	123572	79783	120383	120370	☆	☆	589745	☆	:921522
1941—T118				NOT USED—SEE PAGE 35							591024	☆	919784
1942—T214	671146	120214	120368	924123	120424	120396	4 Req'd 178591	See Note 1 657419	☆	☆	924124	924124	924126
1943—T223	671146	120214	120368	924123	120424	120396	4 Req'd 178591	See Note 1 657419	☆	☆	924124	924124	924126

NOTE 1

CLINCH NUT (Welded in Engine Front Support Assembly)

NOTE 2

For left side Engine Front Support Bracket with Winch specify
PART NO. 916179.

☆ Not Used

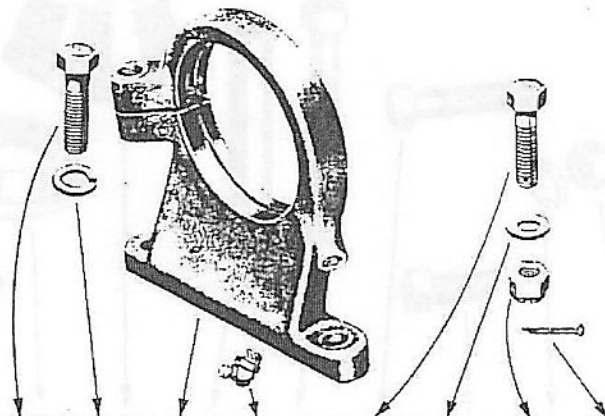
: CURRENT NUMBER—FOR PREVIOUS NUMBER, SEE PARTS SUPERSEDECE LIST.

ENGINE FRONT SUPPORT—SUB-GROUP 0110

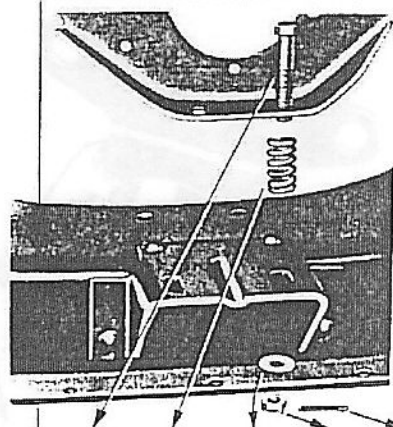
Installation on Model—T-203



USM-ENG-36



Installation on Model—T-118

[illegible]

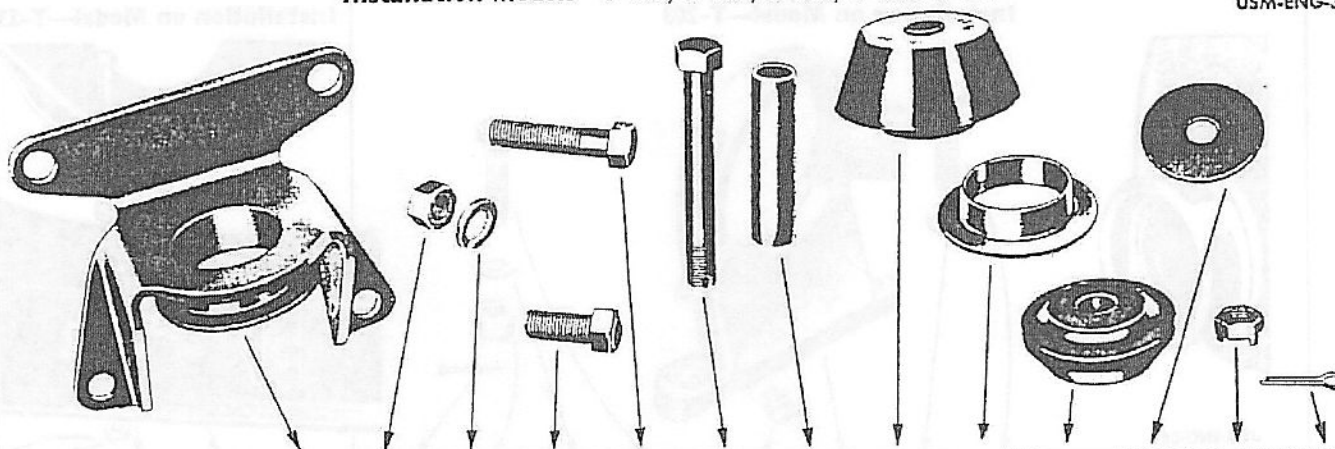
☆ Not Used

ENGINE—GROUP 01

ENGINE REAR SUPPORT—SUB-GROUP 0110

Installation Models—T-202, T-207, T-211, T-215, T-112

USM-ENG-37



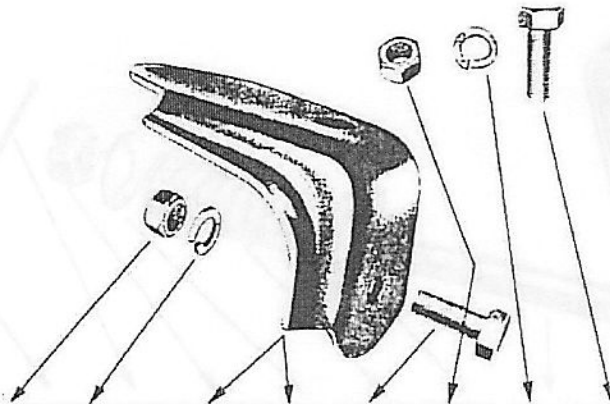
YEAR AND ENGINEERING SYMBOL	Frame BR'KT Assembly	Bracket Bolt NUT	Bolt LOCK- WASHER	Bracket BOLT (Lower)	Bracket BOLT (Upper)	Insulator BOLT	Insulator SPACER	INSU- LATOR Assembly (Upper)	Insulator RE- TAINER	INSU- LATOR Assembly (Lower)	Insulator Bolt WASHER	Insulator Bolt NUT	Insulator Bolt Cotter PIN
	2 Req'd	6 Req'd	6 Req'd	4 Req'd	4 Req'd	2 Req'd	2 Req'd	2 Req'd	2 Req'd	2 Req'd	2 Req'd	2 Req'd	2 Req'd
1940—T202	593195	120370	120383	123567	123572	589605	589606	593308	690347	593309	690509	128014	108636
1940—T203						NOT USED—SEE PAGE 38							
1941—T207	593195	120370	120383	123567	120919	589605	589606	593308	690347	593309	690509	128014	108636
1941—T211 Up to Eng. No. 42001	593195	120370	120383	123567	120919	589605	589606	593308	690347	593309	690509	128014	108636
1941—T211 After Eng. No. 42001	593195	120370	120383	123567	120919	589605	589606	593308	690347	593309	690509	128014	108636
1941—T215	593195	120370	120383	123567	120919	589605	589606	593308	690347	593309	690509	128014	108636
1941—T112	593195	120370	120383	123567	123572	589605	589606	593308	690347	593309	690509	128014	108636
1941—T118						NOT USED—SEE PAGE 37							
1942—T214						NOT USED—SEE PAGE 38							
1943—T223						NOT USED—SEE PAGE 38							

ENGINE—GROUP 01

PAGE 37

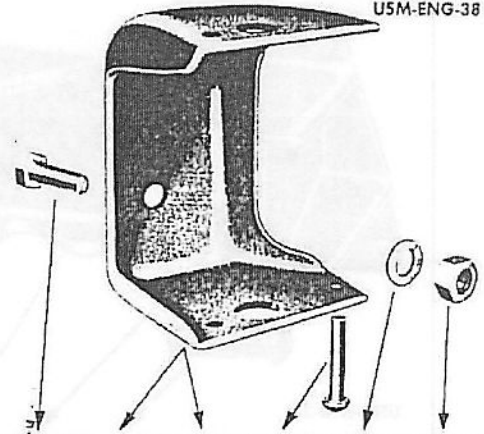
ENGINE REAR SUPPORT—SUB-GROUP 0110

Installation on Models—T-202, T-207, T-211, T-215, T-112



Installation on Model—T-118

U5M-ENG-38

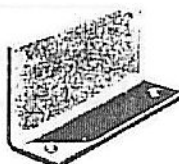


YEAR AND ENGINEERING SYMBOL	Bracket Bolt NUT	Bracket Bolt LOCK- WASHER	BR'KT Assem- bly (Right)	BR'KT Assem- bly (Left)	Bracket BOLT	Bracket Cilinch NUT	Bracket Nut LOCK- WASHER	Bracket BOLT	Bracket BOLT	BR'KT Assem- bly (Right)	BR'KT Assem- bly (Left)	Bracket RIVETS	Bracket Bolt LOCK- WASHER	Bracket Bolt NUT
			A	A										
	2 Req'd	2 Req'd	1 Req'd	1 Req'd	2 Req'd	2 Req'd	2 Req'd	2 Req'd	4 Req'd	1 Req'd	1 Req'd	8 Req'd	4 Req'd	4 Req'd
1940—T202	120371	120384	589608	589609	120424	657419	120384	601318	☆	☆	☆	☆	☆	☆
1940—T203			NOT USED—SEE PAGE 38						☆	☆	☆	☆	☆	☆
1941—T207	120371	120384	589608	589609	120424	657419	120384	601318	☆	☆	☆	☆	☆	☆
1941—T211 Up to Eng. No. 42001	120371	120384	589608	589609	120424	657419	120384	601318	☆	☆	☆	☆	☆	☆
1941—T211 After Eng. No. 42001	120371	120384	589608	589609	120424	657419	120384	601318	☆	☆	☆	☆	☆	☆
1941—T215	120371	120384	589608	589609	120424	657419	120384	601318	☆	☆	☆	☆	☆	☆
1941—T112	120371	120384	589608	589609	120424	657419	120384	601318	☆	☆	☆	☆	☆	☆
1941—T118	☆	☆	☆	☆	☆	☆	☆	☆	601318	590920	590921	108684	120384	120371
1942—T214							NOT USED—SEE PAGE 38							
1943—T223							NOT USED—SEE PAGE 38							

A

Engine Rear Support Frame Reinforcement

- 1—589658 REINFORCEMENT—Right
 - 1—589659 REINFORCEMENT—Left
- Used on Models T202 and T112 Only



☆ Not Used

SNL G-657

Installation on Models—T-203, T-214, T-223



NOTE 2

Used as Master Cylinder and Engine Rear Support Bracket.

SNL G-6!