

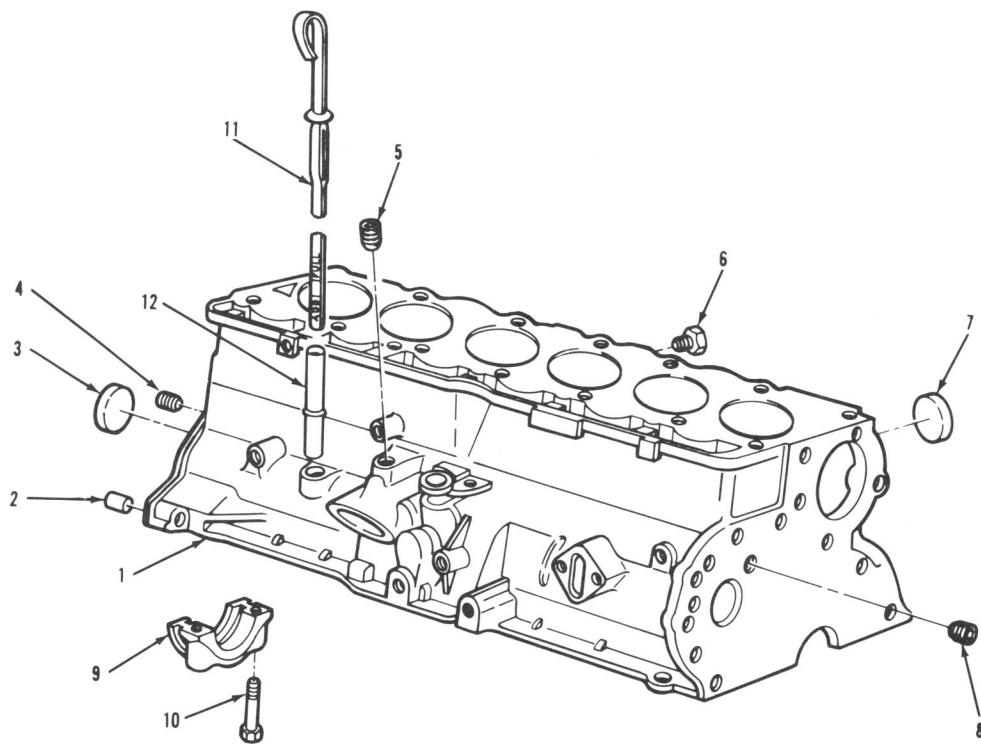


Section 1

ENGINE

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Figure 1-1 Cylinder Block

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Item	Part Number	Description	Quantity Per Vehicle	
			LHD	RHD
		Figure 1-1 CYLINDER BLOCK		
	8124962	Engine Assy, Short (A)	1	1
	8124232	Engine Assy, Short (B)	1	1
	8125418	Engine Assy, Short (C)	1	1
		Consists of: cylinder block, pistons, pins, rings, connecting rods, main bearings, crankshaft, cam- shaft, camshaft bearings, timing gears and timing chain.		
	8122936	Gasket Set, Engine Valve Grind (A & B)	1	1
	8125721	Gasket Set, Engine Valve Grind (C)	1	1
		Includes All Gaskets And Seals Necessary For An Engine Valve Grind		
	8122334	Gasket Set, Engine Overhaul (A & B)	1	1
		Includes All Gaskets And Seals Necessary For A Complete Engine Overhaul		
	8125722	Gasket Set, Lower (C)	1	1
		Includes all gaskets for lower part of engine.		
	8124335	Cylinder Block Assy. (A & B)	1	1
	8125445	Cylinder Block Assy. (C)	1	1
		Above Blocks Consist Of:		
1	N/S	Cylinder Block	1	1
2	N/S	Dowels, Converter Housing.	2	2
3	N/S	Plug, Rear Machined Hole	1	1
4	N/S	Plug, Oil Channel - Rear	1	1
5	N/S	Plug, Oil Filter Bypass.	1	1
6	N/S	Plug, Cylinder Block Drain	1	1
7	N/S	Plugs, Cylinder Block Core Hole	4	4
8	N/S	Plug, Oil Channel - Front	1	1
9	N/S	Caps, Crankshaft Main Bearing.	7	7
10	N/S	Bolts, Crankshaft Main Bearing Cap	14	14
11	3173366	Indicator, Oil Level (Dipstick)	1	1
12	3176846	Tube, Indicator	1	1

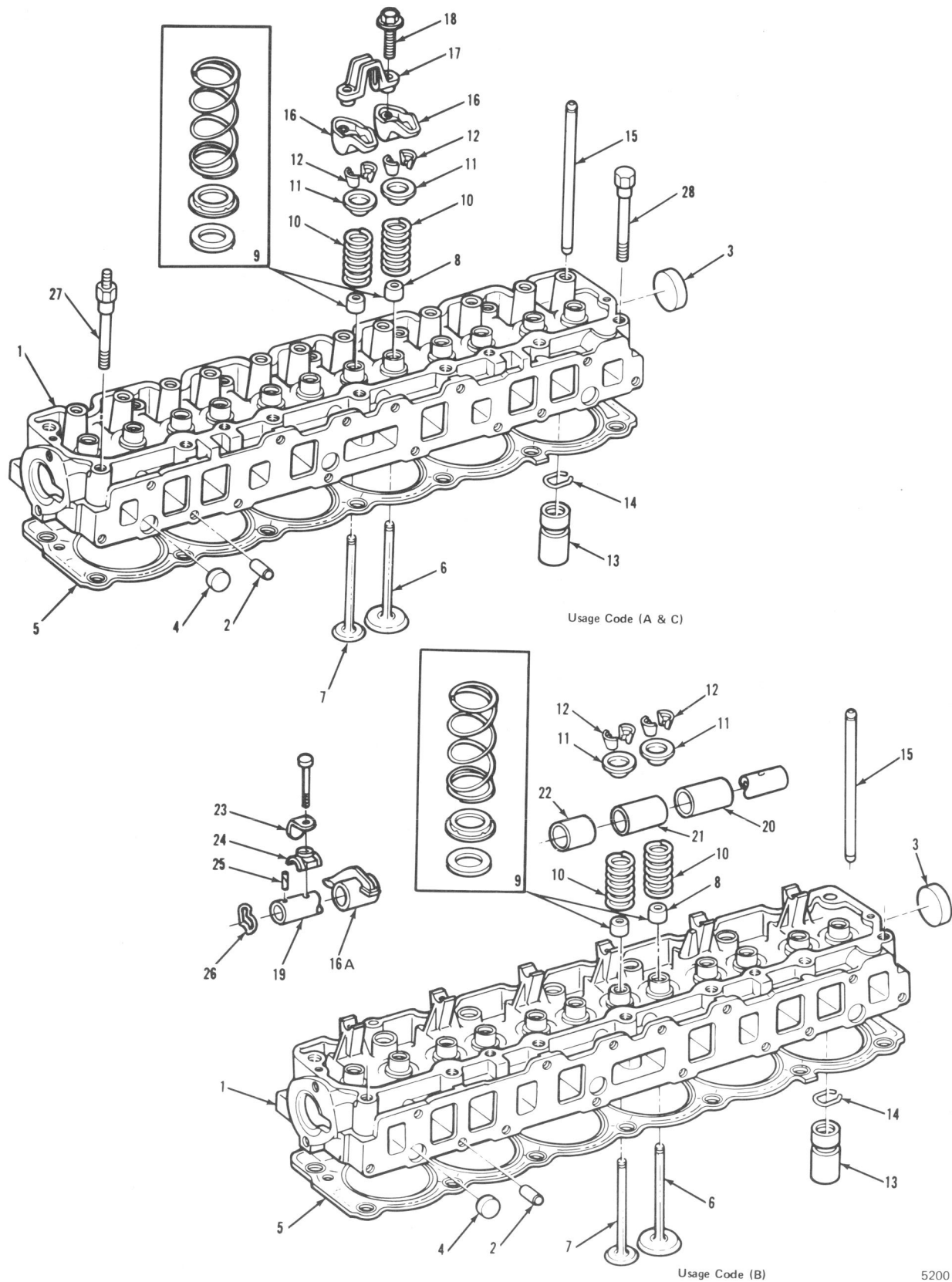
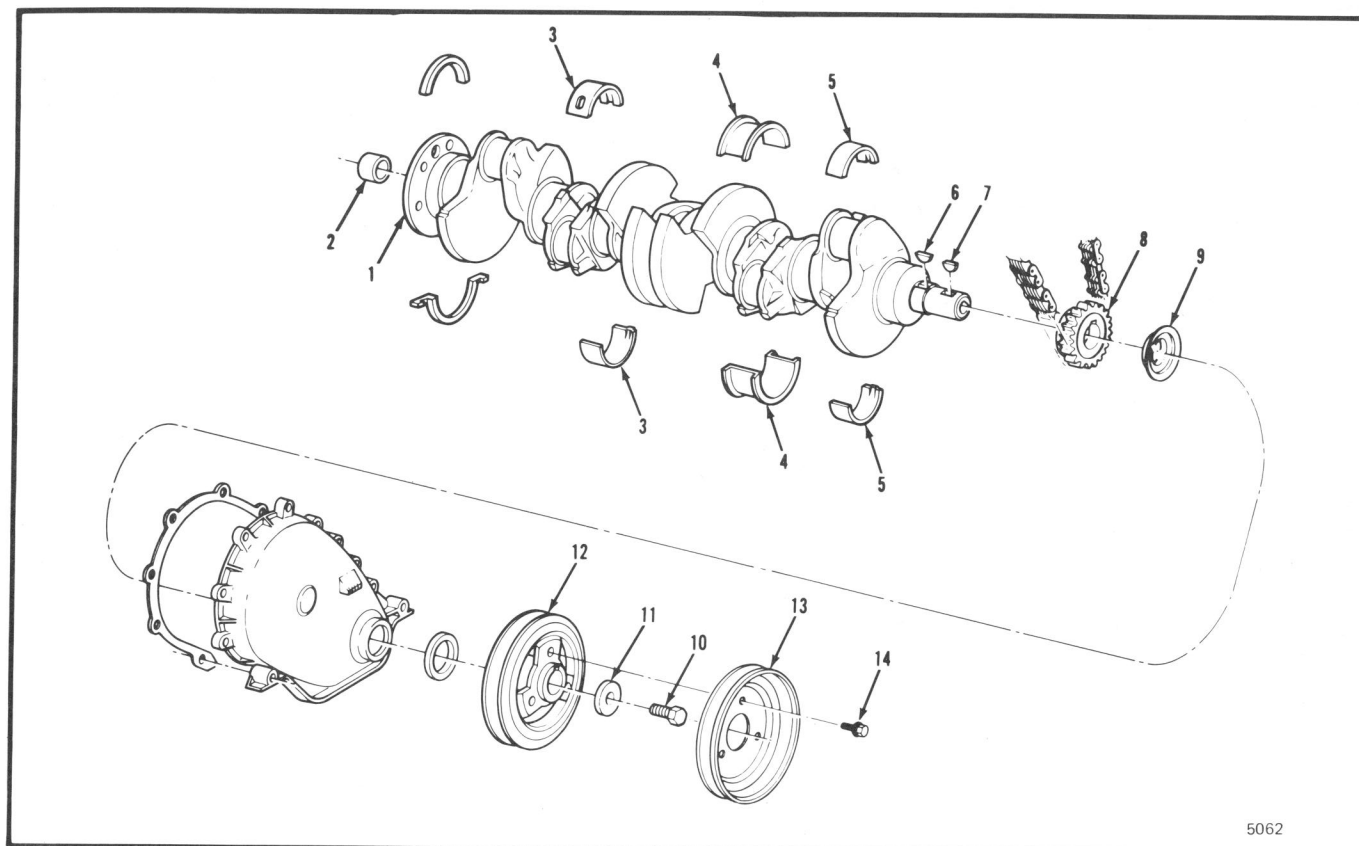


Figure 1-2 Cylinder Head, Valves, Springs, Tappets, Rocker Arms and Push Rods

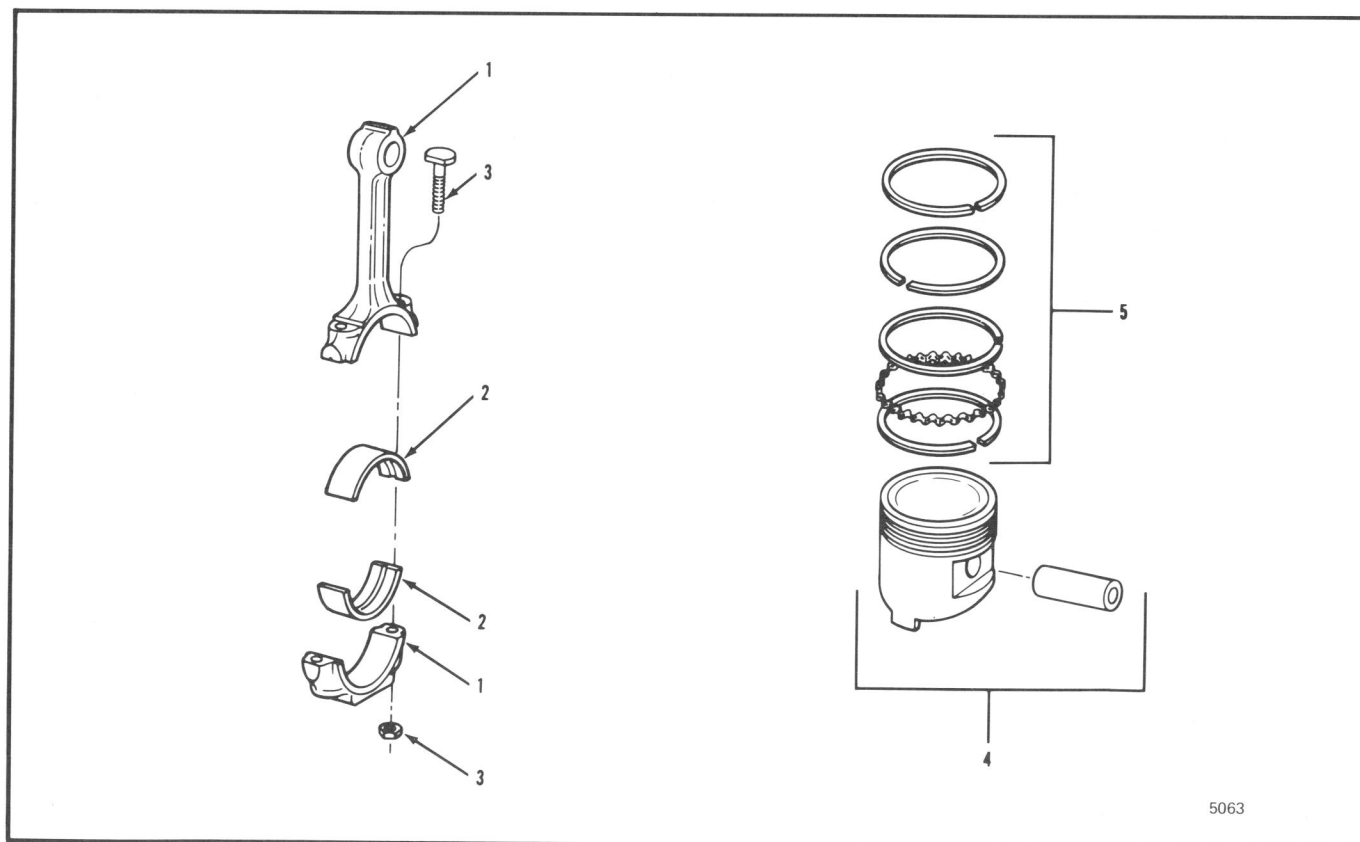


Item	Part Number	Description	Quantity Per Vehicle	
			LHD	RHD
		Figure 1-2 CYLINDER HEAD, VALVES, SPRINGS, TAPPETS, ROCKER ARMS and PUSH RODS		
	8122375	Cylinder Head Assy (Less Valves) (A)	1	1
	8123358	Cylinder Head Assy (Less Valves) (B)	1	1
	8125454	Cylinder Head Assy (Less Valves) (C)	1	1
		Consists of:		
1	N/S	Cylinder Head.	1	1
2	3172319	Plug	1	1
3	N/S	Plug, Core	3	3
4	3172318	Pin, Dowel	2	2
5	3190345	Gasket, Cylinder Head	1	1
6	3218732	Valve, Intake (Std.)	1	1
	3218810	Valve, Intake (+.015")	6	6
7	3224597	Valve, Exhaust (Std.)	6	6
	3224603	Valve, Exhaust (+.015")	6	6
8	3218976	Deflector, Valve Stem	6	6
9	3207534	Seal Set (Set of 12)	1	1
10	3183979	Spring, Valve	1	1
11	3223235	Retainer, Valve Spring	1	1
12	3156157	Lock, Valve Spring Retainer	12	12
13	3222276	Tappet Assy.	12	12
14	6440614	Snap Ring	12	12
15	3214013	Rod, Valve Push (A & C)	12	12
	3210203	Rod, Valve Push (B)	12	12
16	3223888	Arm, Valve Rocker (A & C)	12	12
16	3223455	Arm, Valve Rocker (B)	12	12
17	3210178	Pivot, Rocker Arm (A & C)	6	6
18	8120512	Bolt, Pivot (A & C)	6	6
19	3172301	Rocker Arm Shaft (B)	1	1
20	3173081	Spacer, End (B)	2	2
21	3173080	Spacer, Intermediate (B)	2	2
22	3173079	Spacer, Center (B)	1	1
23	3173392	Deflector, Oil (B)	1	1
24	3172310	Cap (B)	6	6
25	G-273937	Spring Pin (B)	2	2
26	3172311	Spring Washer (B)	1	1
27	3184092	Bolt, Cylinder Head (5-9/16" Long)	4	4
28	3172330	Bolt, Cylinder Head (4-7/16" Long)	11	11



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Figure 1-3 Crankshaft Vibration Damper and Main Bearings

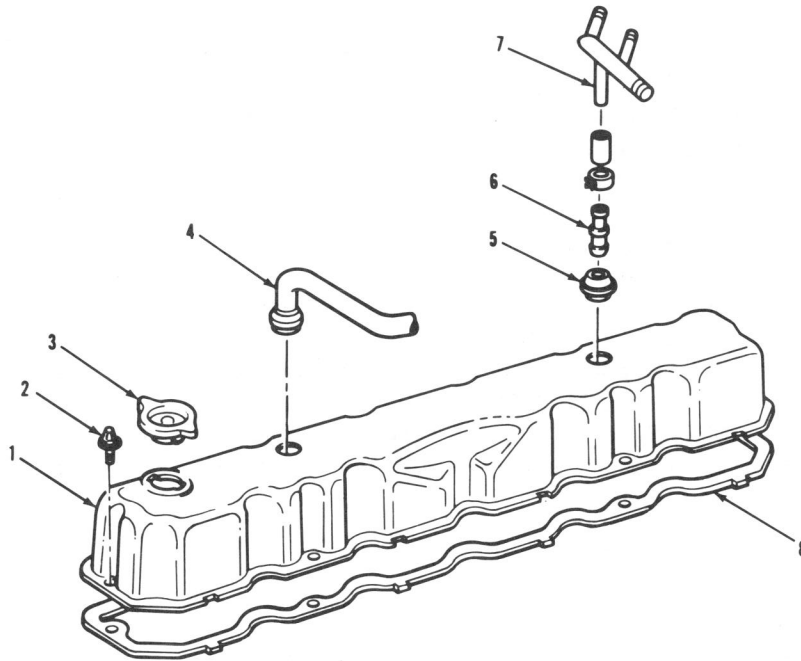


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Figure 1-4 Connecting Rods and Bearings, Pistons, Pins and Rings

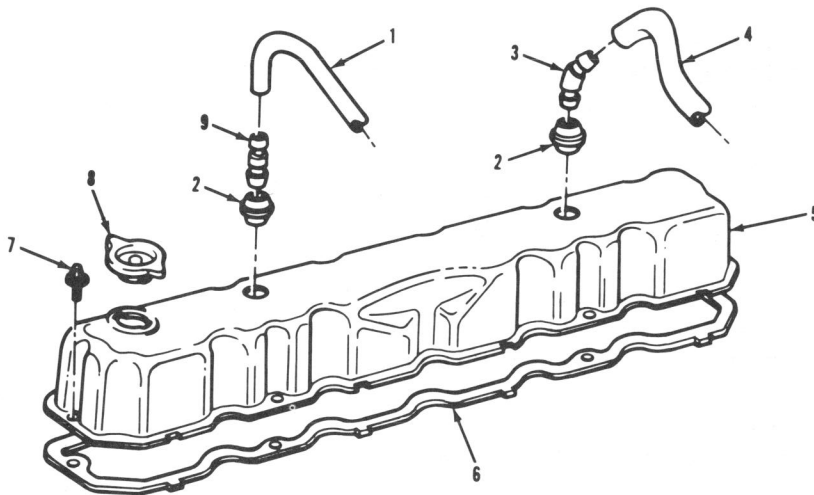


Item	Part Number	Description	Quantity Per Vehicle	
			LHD	RHD
Figure 1-3 CRANKSHAFT, VIBRATION DAMPER AND MAIN BEARINGS				
1	8120507	Crankshaft Assy.....	1	1
2		Crankshaft		
3	3207954	Pilot Bushing		
		Main Bearings, Upper & Lower for Front No. 2, 4, 5, 6 & 7 (Std.)	6	6
	3207955	Main Bearings, Upper & Lower for Front No. 2, 4, 5, 6 & 7 (.001" US).....	6	6
4	3207959	Main Bearings, Upper & Lower for No. 3 (Std.).....	1	1
	3205331	Main Bearings, Upper & Lower for No. 3 (.001" US)	1	1
5	See Fig. 1-4	Rod Bearings		
6	3107002	Key, Sprocket	1	1
7	3107234	Key, Damper	1	1
8	3173205	Sprocket, Crankshaft	1	1
9	3173076	Slinger, Oil Sprocket	1	1
10	N/S	Bolt	1	1
11	3180206	Washer	1	1
12	3211894	Damper, Vibration (A & B)	1	1
	3225201	Damper, Vibration (C)	1	1
13	3224690	Pulley, Damper Accessory Drive	1	1
14	N/S	Bolt	3	3
 Figure 1-4 CONNECTING RODS AND BEARINGS, PISTONS, PINS, AND RINGS				
1	3173210	Rod Assembly, Connecting.....	6	6
2	4486992	Bearing Set, Connecting Rod (Standard).....	6	6
	4486993	Bearing Set, Connecting Rod (.001" US)	6	6
	4486994	Bearing Set, Connecting Rod (.002" US)	6	6
	4486995	Bearing Set, Connecting Rod (.010" US)	6	6
3	4486626	Kit, Nut and Bolt, Connecting Rod	12	12
4	4488672	Pin and Piston Assembly (Standard).....	6	6
	4488673	Pin and Piston Assembly (.010" Oversize).....	6	6
5	8121683	Ring Set, Piston (Standard)	1	1
	8121684	Ring Set, Piston (.010" Oversize)	1	1



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Figure 1-5 Valve Rocker Arm Cover (A & B)



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Figure 1-6 Valve Rocker Arm Cover (C)



Item	Part Number	Description	Quantity Per Vehicle	
			LHD	RHD
Figure 1-5				
VALVE ROCKER ARM COVER (A & B)				
1	3218718	Cover, Valve Rocker Arm	1	1
2	4000765	Screw and Lockwasher Assy	7	7
3	3174645	Cap, Oil Filter.	1	1
4	5900689	Hose, PCV To Intake Manifold	1	1
5	3178622	Grommet, C/Case Vent Valve	1	1
6	3182478	Valve, Positive Crankcase Ventilation.	1	1
7	3211498	Tee, PCV Connection	1	1
8	3179112	Gasket, Cover	1	1
 Figure 1-6				
VALVE ROCKER ARM COVER (C)				
1	3224381	Hose, PCV Valve to Manifold	1	1
2	3225627	Grommet, Cover	2	2
3	3224387	Elbow, PCV Filter Hose	1	1
4	5964998	Hose, Air Cleaner to Valve Cover	1	1
5	3226073	Cover Assy, Valve Rocker Arm	1	1
6	3179112	Gasket, Cover	1	1
7	4000765	Screw, Spec. Hex 1/4 - 20 x 5/8 - Cover	2	2
8	3174645	Cap, Oil Filler (W/Seal)	1	1
9	3211538	Valve Assy, Crankcase Vent (PCV)	1	1

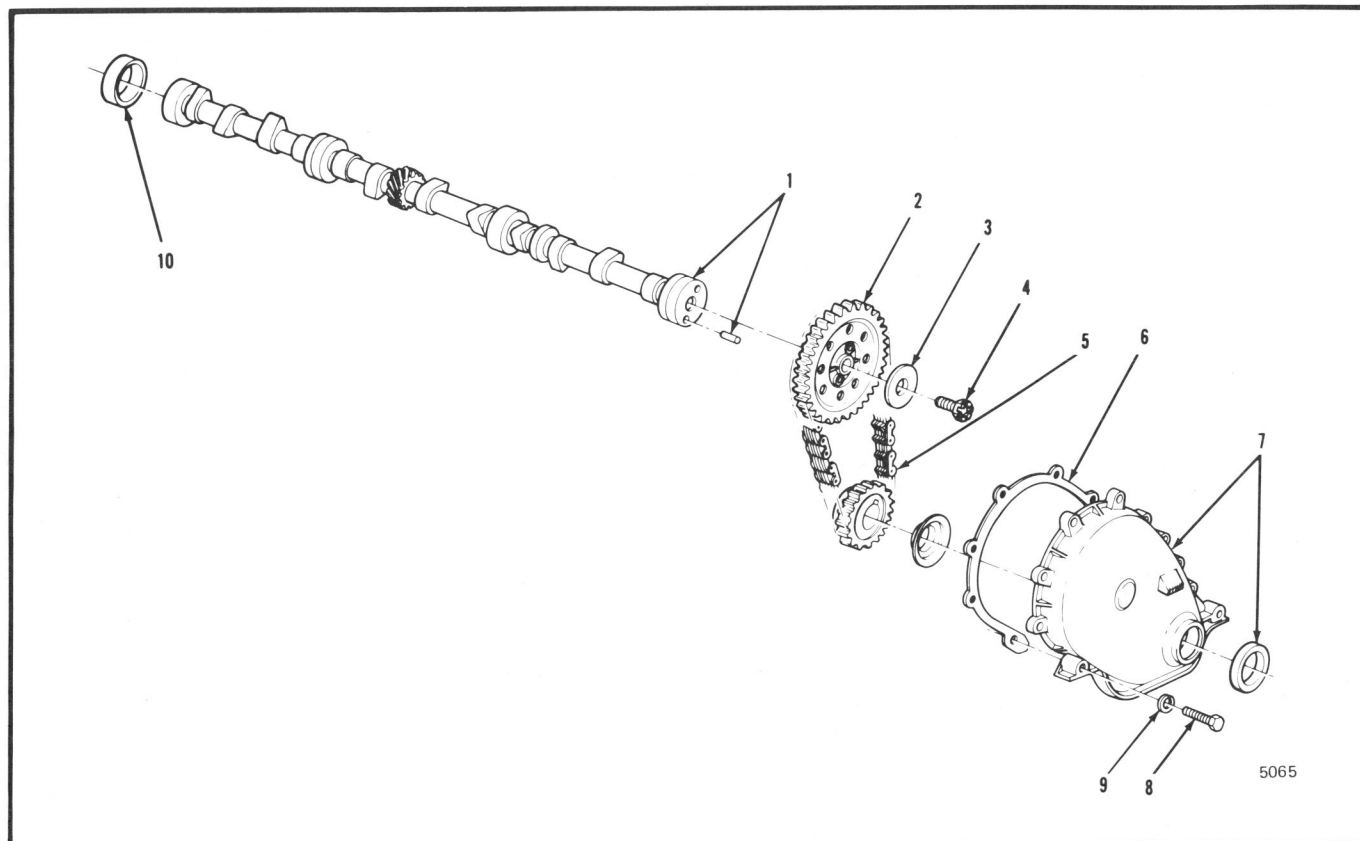


Figure 1-7 Camshaft and Timing Chain

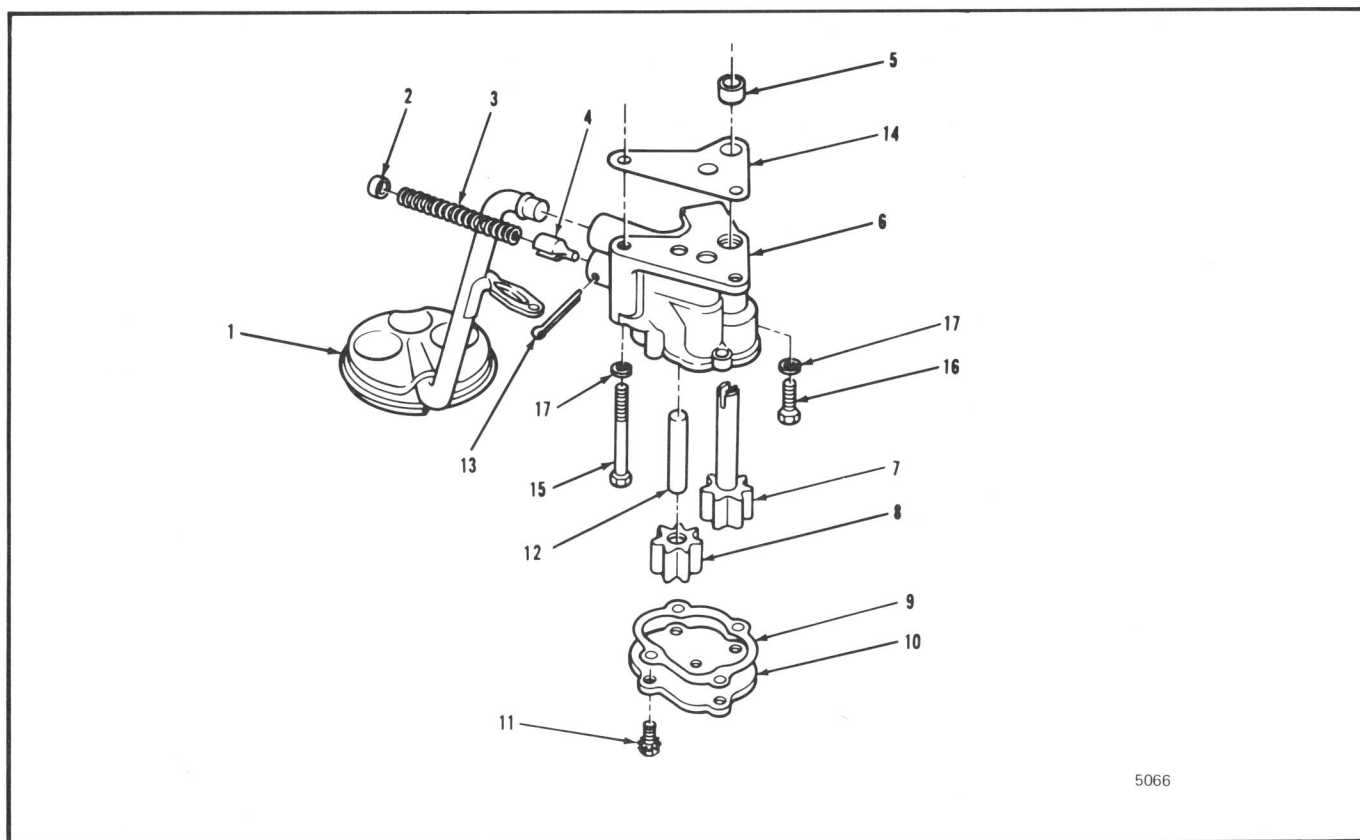
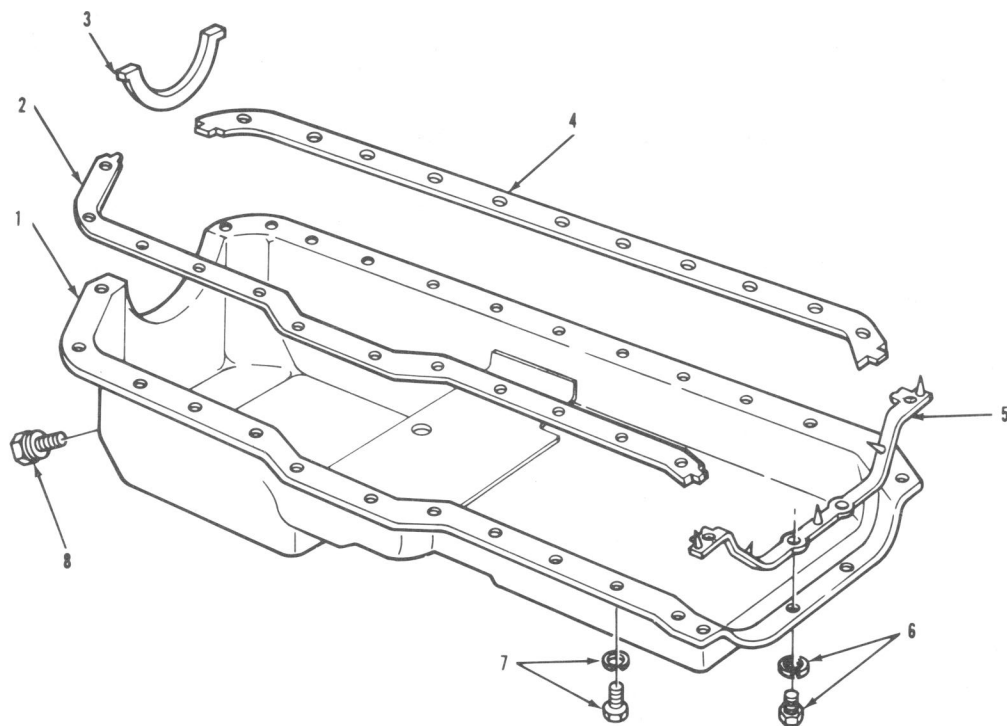


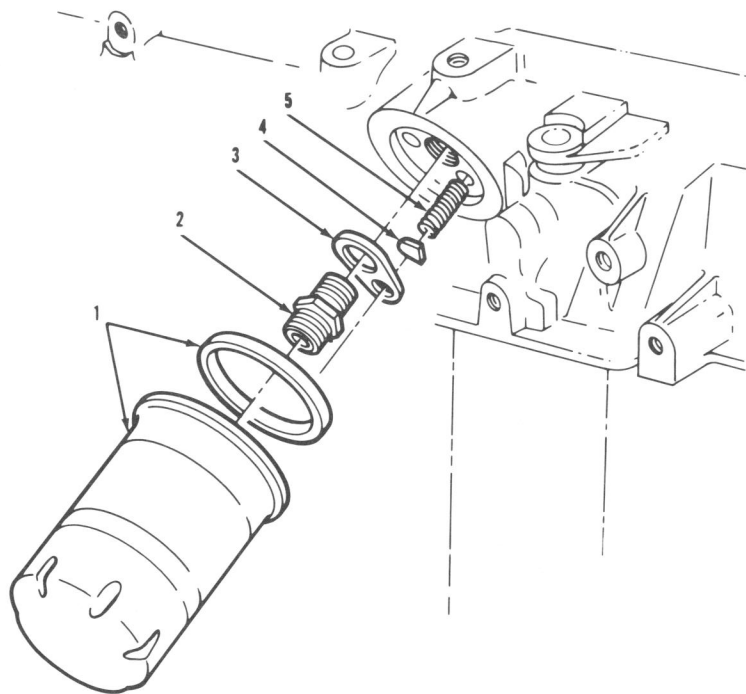
Figure 1-8 Oil Pump



Item	Part Number	Description	Quantity Per Vehicle	
			LHD	RHD
Figure 1-7 CAMSHAFT AND TIMING CHAIN				
1	8120663	Camshaft & Dowel Pin Assy (A & C)	1	1
	4488879	Camshaft & Dowel Pin Assy (B).	1	1
2	3206693	Sprocket, Camshaft	1	1
3	3173284	Washer, Sprocket.	1	1
4	3172308	Bolt, Camshaft Sprocket.	1	1
5	3172307	Chain, Timing	1	1
6	3218621	Gasket, Front Cover (A & B)	1	1
	3225187	Gasket, Front Cover (C).	1	1
7	3218623	Cover & Seal Assembly (A & B).	1	1
	3225186	Cover & Seal Assembly (C).	1	1
	3194171	Seal, Cover	1	1
8	N/S	Bolt, Front Cover	1	1
9	N/S	Lockwasher.	6	6
	N/S	Stud Bolt, Front Cover (A & B).	2	2
	4005133	Stud Bolt, Front Cover (C).	2	2
10	3205711	Bearing Set (Std.).	1	1
	3208985	Bearing Set (+.010")	1	1
 Figure 1-8 OIL PUMP				
	3215339	Oil Pump Assy.	1	1
1	3215338	Tube, Screen and Bracket, Oil Pump Inlet	1	1
2	3171958	Retainer, Oil Pump Release Valve Spring	1	1
3	3211034	Spring, Oil Release Valve.	1	1
4	N/S	Plunger, Oil Pump Release Valve	1	1
5	3173090	Bushing, Oil Pump to Cylinder Block	1	1
6	N/S	Body, Oil Pump	1	1
7	3172334	Gear, Oil Pump Drive	1	1
8	3196843	Gear, Oil Pump Idler	1	1
9	3172337	Gasket, Oil Pump Cover	1	1
10	3216612	Cover, Oil Pump.	1	1
11	N/S	Bolt & Lockwasher, Cover	4	4
12	3171956	Shaft, Oil Pump Idler Gear.	1	1
13	N/S	Pin, Oil Pump Rel. Valve Spring Cotter	1	1
14	3172332	Gasket, Oil Pump to Block	1	1
15	N/S	Bolt, Oil Pump to Block, Long	1	1
16	N/S	Bolt, Oil Pump to Block, Short	1	1
17	N/S	Lockwasher, Oil Pump to Block Bolt.	2	2



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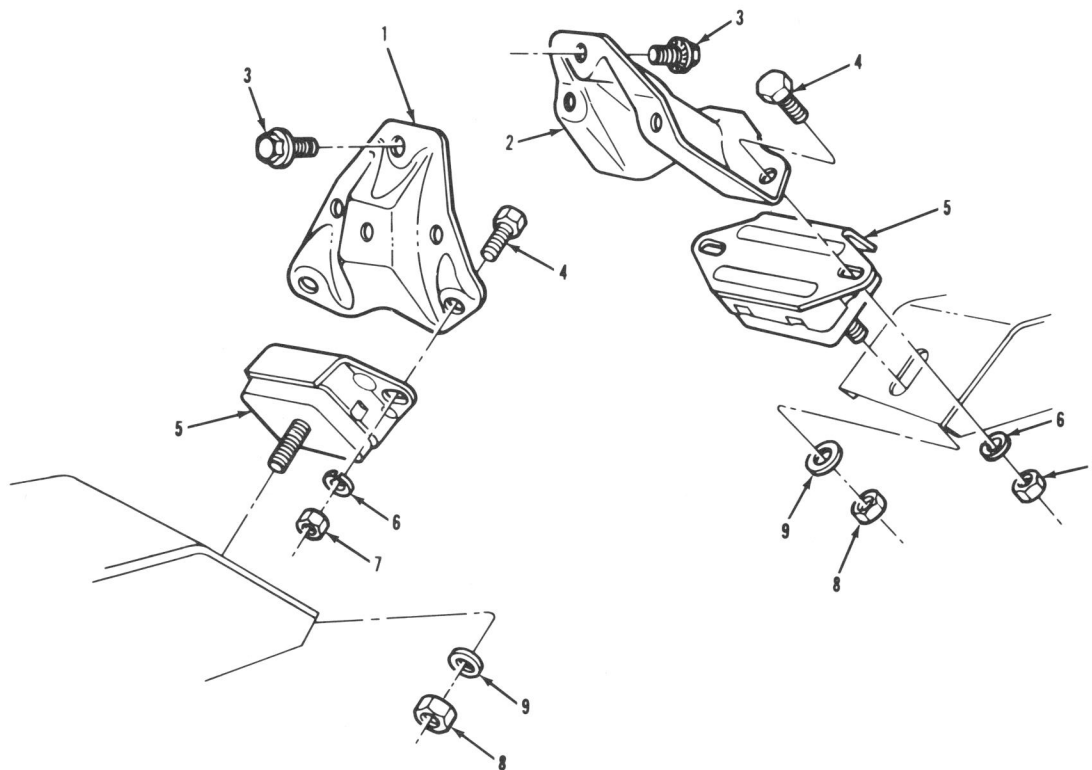
Figure 1-9 Oil Pan

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*Figure 1-10 Oil Filter***AM General Corporation**



Item	Part Number	Description	Quantity Per Vehicle	
			LHD	RHD
		Figure 1-9		
		OIL PAN		
1	3226058	Oil Pan Assy (A & B)	1	1
	3224097	Oil Pan Assy (C)	1	1
	4488770	Gasket Set, Oil Pan	1	1
		Consists of:		
2	N/S	Gasket, Oil Pan, Right.	1	1
3	N/S	Gasket, Oil Pan, Rear	1	1
4	N/S	Gasket, Oil Pan, Left	1	1
5	N/S	Gasket, Oil Pan, Front.	1	1
6	3162258	Screw & Lockwasher.	4	4
7	N/S	Screw & Lockwasher.	24	24
8	3206696	Plug & Gasket, Oil Drain	1	1



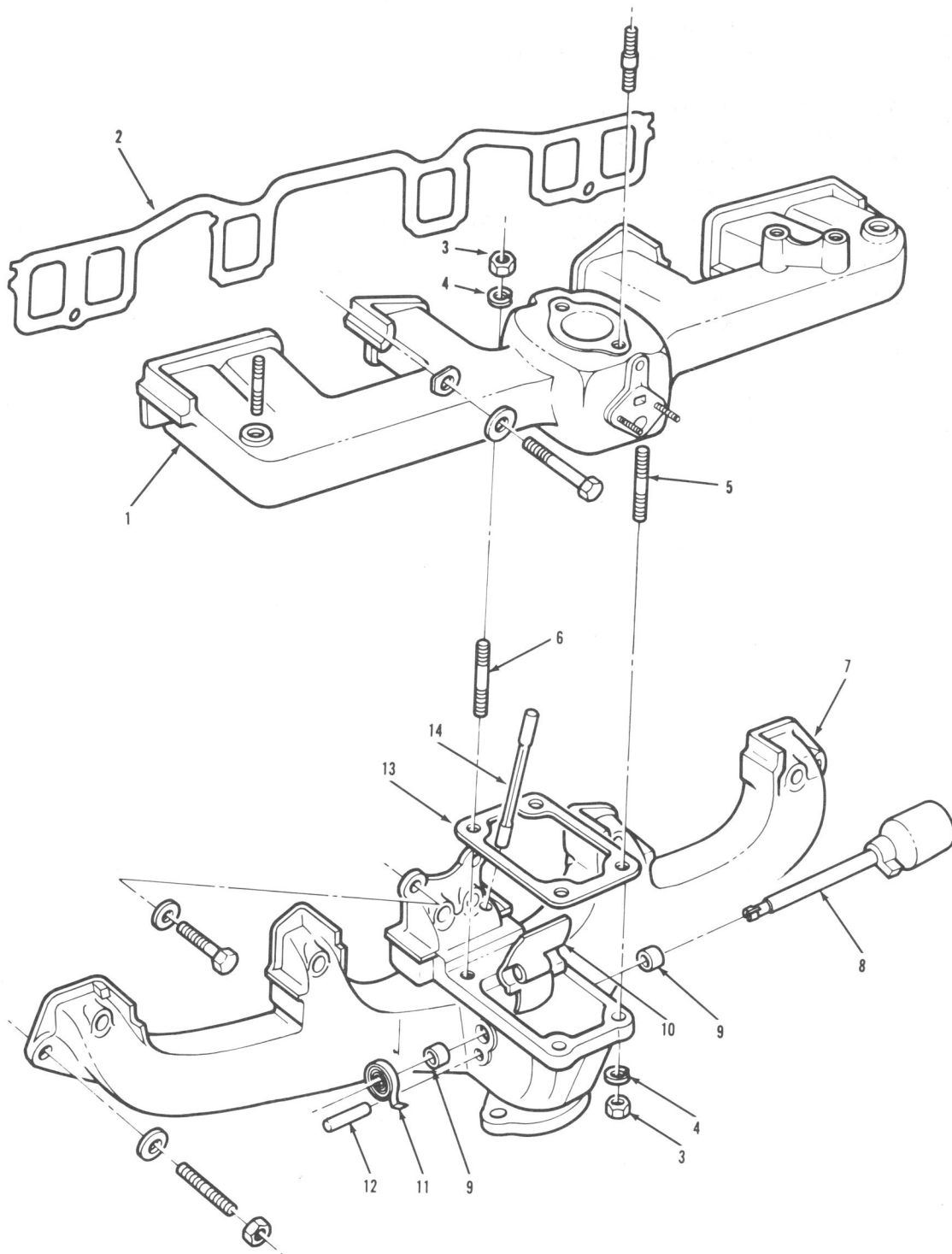
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Figure 1-11 Engine Mounting

AM General Corporation



Item	Part Number	Description	Quantity Per Vehicle	
			LHD	RHD
		Figure 1-11		
		ENGINE MOUNTING		
1	3173590	Bracket, Front Support Right	1	1
2	3173589	Bracket, Front Support Left	1	1
3	N/S	Screw	6	6
4	N/S	Bolt	4	4
5	3173681	Cushion, Engine Front Support (A & B)	2	2
	3223621	Cushion, Engine Front Support (C)	1	1
6	N/S	Lockwasher	4	4
7	N/S	Nut	4	4
8	N/S	Nut	2	2
9	N/S	Washer	2	2



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*Figure 1-12 Manifolds***AM General Corporation**



Item	Part Number	Description	Quantity Per Vehicle	
			LHD	RHD
		Figure 1-12 MANIFOLDS		
1	8122268	Manifold Assembly, Intake (A & B)	1	1
	8125465	Manifold Assembly, Intake (C)	1	1
2	3183945	Gasket, Int. Manifold to Cylinder Head	1	1
3	N/S	Nut	4	4
4	N/S	Lockwasher	4	4
5	N/S	Stud	2	2
6	N/S	Stud	2	2
7	4486525	Manifold Assembly, Exhaust (A & B)	1	1
	8125075	Manifold Assembly, Exhaust (C)	1	1
	3209872	Kit, Damper, Exhaust Manifold (A & B)	1	1
	8125076	Kit, Damper, Exhaust Manifold (C)	1	1
		Above Kits Consist of:		
8	N/S	Counter Weight & Shaft	1	1
9	N/S	Bushings	2	2
10	N/S	Valve, Exhaust Manifold Heat	1	1
11	N/S	Spring, Bi-Metal	1	1
		Spring, Anti-Rattle	1	1
12	N/S	Pin, Grooved	1	1
		Screw	1	1
13	3184277	Gasket, Intake to Exhaust Manifold	1	1
14	3219774	Tube, Choke Heater (In Exhaust Manifold) (A & B)	1	1
	3223024	Tube, Choke Heater (In Exhaust Manifold) (C)	1	1

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