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Technical Information

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Engine Torque Specs

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AMC Engines 1954-1975

ENGINE	CYLINDER HEAD BOLTS	MAIN BEARING CAPS	CONNECTING ROD BOLTS	BALANCER BOLT	INTAKE MANIFOLD	EXHAUST MANIFOLD
1954-1960 6-cyl	60	70	30	80	20	25
1954-1960 OHV V8	65	#1-4: 85 #5: 55	50	80	25	25
1961-1963 Aluminum 6-cyl	50	58	30	80	11	End: 10 Center: 25
1961-1963 OHV V-8	60	#1-4: 85 #5: 55	50	80	20	25
1964-1971 OHV 6	85	80	30	80	20	25
1972 OHV 6	80	75-85	26-30	50-60	20-25	20-25
1973-1975 OHV 6	105	75-85	26-30	50-60	20-25	20-25
1964-1966 OHV V8	60	#1-4: 65 #5: 55	50	80	20	25
1967-1968 OHV V8	100	100	30	55	42	33
1969 290-360 V8	100	95-105	26-30	20-25 (pulley)	40-45	30-35
1970-1975 290-360 V8	105-115	95-105	26-30	20-25 (pulley)	40-45	30-35
1969 390-401 V8	100	95-105	35-40	20-25 (pulley)	40-45	30-35
1970-1975 390-401 V8	105-115	95-105	35-40	20-25 (pulley)	40-45	30-35

Buick Engines 1954-1975

ENGINE	CYLINDER HEAD BOLTS	MAIN BEARING CAPS	CONNECTING ROD BOLTS	BALANCER BOLT	INTAKE MANIFOLD	EXHAUST MANIFOLD
1954-1961 All	65-75	110-120	40-45	200-220	25-30	10-15
1962-1963 All	65-75 Note Torque Sequence	110-120	40-45	200-220	25-30	10-15
1964-1967 300-340- 401-425	65-75	110	40-45	200-220	25-30	10-15
1967 400-430	100-120	100-110	40-45	200-220	45-55	15-20
1968-1969 400-430	100	100-110	40-45	200-220	55	18
1968-1969 350	65-75	50-55 Rear: 65-75	30-35	140-160	55	18
1970-1975 350	75	95	35	120	55	18
V6 231	65-70	100-125	30-35	120	55	18
1970-1975 455	100	100-110	40-45	120-140	55	18

Cadillac Engines 1954-1971

ENGINE	CYLINDER HEAD BOLTS	MAIN BEARING CAPS	CONNECTING ROD BOLTS	BALANCER BOLT	INTAKE MANIFOLD	EXHAUST MANIFOLD
1950-1953 All	65-70	90-100	40-45	60-65	N/A	N/A
1954-1963 All	70-80	90-100	40-45	65-70	25-30	25-30
1964-1967 429	60	90-100	40-45	65-70	25-30	25-30
1968-1971 472	115	90	40	Press	30	35

Chevrolet Engines 1953-1975

ENGINE	CYLINDER HEAD BOLTS	MAIN BEARING CAPS	CONNECTING ROD BOLTS	BALANCER BOLT	INTAKE MANIFOLD	EXHAUST MANIFOLD
1953-1962 L6	90-95	100-110	35-45		30	25
1955-1967 Small Block V8	60-70	60-70	30-35	60 (where used)	25-35	20
1958-1965 "W" V8	60-70	60-70	30-35	60	25-35	
1963-1975 L6	90-95	65	35		30	25

1968-1975 Small Block V8	60-70	75-Inner 65-Outer	45	60	25-35	20
1965-1975 Big Block V8	Iron: 80 Al: 65 short 75 long	105	3/8":50 7/16":70	85	30	30

Chrysler Engines 1953-1971

ENGINE	CYLINDER HEAD BOLTS	MAIN BEARING CAPS	CONNECTING ROD BOLTS	BALANCER BOLT	INTAKE MANIFOLD	EXHAUST MANIFOLD
1953-1957 All	80-85	80-85	45-50	Bolt @ Crank: 135	30	25
1958 All	80-85	80-85	45-50	Pulley:55-60	30	25
1959-1963 All	65-75	80-85	45-50	Bolt @ Crank: 135	40	30
1964-1971 All	65-75	80-85	45-50	Bolt @ Crank: 135	50	30

Desoto & Dodge Engines 1954-1963

ENGINE	CYLINDER HEAD BOLTS	MAIN BEARING CAPS	CONNECTING ROD BOLTS	BALANCER BOLT	INTAKE MANIFOLD	EXHAUST MANIFOLD
1954-1963 Except B & RB	80-85	80-85	45-50	Crank Bolt 135	30	25
1954-1963 All B & RB	65-75	80-85	40-45	Crank Bolt 135	40	30

Dodge/Plymouth Engines 1964-1971

ENGINE	CYLINDER HEAD BOLTS	MAIN BEARING CAPS	CONNECTING ROD BOLTS	BALANCER BOLT	INTAKE MANIFOLD	EXHAUST MANIFOLD
to 1971 Slant 6	65	85	45	Press	10	10
1964-1971 LA	85	85	45	Bolt @ Crank: 135	40	25
1964-1971 B & RB	70	85	45	Bolt @ Crank: 135	40-50	30
1964-1971 426 Hemi	70-75	100 Cross Bolts: 45	75	135		35

Ford/Mercury Engines 1950-1971

ENGINE	CYLINDER HEAD BOLTS	MAIN BEARING CAPS	CONNECTING ROD BOLTS	BALANCER BOLT	INTAKE MANIFOLD	EXHAUST MANIFOLD
1950-1953 OBA V8	65-70	80-90	45-50	N/A	N/A	N/A
1954-1957 All exc./312	65-75	92-105	40-50	85-90	N/A	N/A

1954-1957 312	65-75	92-105	40-50	130-145	N/A	N/A
1958 6 cyl & Y-block	65-75	95-105	45-50	85-90	26	26
1958 Interceptor V8	80-90	95-105	45-50	130-145	26	26
1959-1962 6 cyl & 292 V8	65-75	95-105	45-50	85-95	26	26
1959-1969 332 & 352 V8	80-90	95-105	45-50	130-145	26	26
1959-1960 430 V8	95-105	95-105	45-50	75-90	26	26
1961-1962 352 & 390	80-90	95-105	45-50	130-145	26	26
1963 6 cyl	65-75	65-75	45-50	85-90	Alum: 15 Iron: 35	26
1963 352-390-406	80-90	95-105	40-45	70-90	Alum: 15 Iron: 25	26
1964-1969 6Cyl	70-75	60-70	19-24	85-100	N/A	13-18
1964-1968 260-289-902	65-70	60-70	19-24	70-90	12-15	15-20
289 Hi-Po	65-70	60-70	40-45	70-90	12-15	15-20
1964-1968 390-428	80-90	95-105	40-45	70-90	Alum: 15 Iron: 32-35	18-24
1964-1968 427	100-110	95-105	53-58	70-90	Alum: 15 Iron: 32-35	18-24
1969 302	65-72	60-70	19-24	70-90	23-25	12-16
1969-1971 351W	95-100	95-105	40-45	70-90	23-25	18-24
1969 390	80-90	95-105	40-45	70-90	32-35	18-24
1970-1971 6 Cyl	70-75	60-70	19-24 150: 21-26	85-100	None	13-18
1970-1971 302	70-75	60-70	19-24	70-90	23-25	13-18
Boss 302	65-72	Inner: 60-70 Outer: 35-40	40-45	70-90	23-25	12-16
1970-1971 351C	95-100	60-70	40-45	70-90	23-25	18-24
1970-1971 429	130-140	95-105	40-45	70-90	25-30	28-33

Oldsmobile Engines 1954-1975

ENGINE	CYLINDER HEAD	MAIN BEARING	CONNECTING ROD	BALANCER BOLT	INTAKE MANIFOLD	EXHAUST MANIFOLD
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	BOLTS	CAPS	BOLTS			
1954-1958 OHV V8	60-70	100-140	45-50	45-50	28	22
1959-1963 OHV V8	60-80	#1-4: 50-60 #5:65-70	38-48	100	23	22
1964-1969 F85	50-55	#1-4: 50-60 #5: 65-70	30-35	150	25-30	18-24
1964-1969 All exc. F85	60-80	#1-4: 80-120 5: 120-160	42	100	23-35	20-25
1970-1971 350	80	#1-4: 80 #5: 120	42	160	23-35	20-25
1970-1972 455	80-95	#1-4: 85-95 #5: 120	42	160	23-35	20-25
1972-1975 350	85	#1-4: 80 #5: 120	42	160	40	20-25
1973-1975 455	85	120	42	160	40	25

Pontiac Engines 1955-1975

ENGINE	CYLINDER HEAD BOLTS	MAIN BEARING CAPS	CONNECTING ROD BOLTS	BALANCER BOLT	INTAKE MANIFOLD	EXHAUST MANIFOLD
1955-1975 301-350	80-95	#1-4: 85-90 #5: 120	35-45	160	40	30
1955-1975 370-455	80-95	#1-4: 85-90 #5: 120	35-45	160	40	30

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