

# DOMESTIC ENGINES

CUBIC INCH	LITRE	YEAR	CYL.	BORE	APPLICATION	PARTNO.
<b>AMERICAN MOTORS</b>						
150	2.5	83-86	4	3.88	# 448 7/16 Head Bolts"	1405
150	2.5	84-86	4	3.88	# 059 1/2 Head Bolts w/ 611 Crank"	1408
150	2.5	88-91	4	3.88	# 059 1/2 Head Bolts w/ 904 Crank"	1410
150	2.5	87-90	4	3.88	# 200 F.I. w/ 904 Crank	1414
150	2.5	91-01	4	3.88	# 403 - 532 w/ 904 Crank	1416
243	4	87-90	6	3.88	# 535-665	1620
243	4	91-95	6	3.88	# 405 - Cherokee - Wagoneer	1622
243	4	96-98	6	3.88	# 569 - 341 w/ 411 - 767 Crank	1624
243	4	99-01	6	3.88	# 514-515 w/ 411-767 Crank	1626
243	4	99-01	6	3.88	# 449 w/ 411-767 Crank	1628
243	4	99-04	6	3.88	# 327AB / 328AB w/ 411 - 767 Crank	1630
258	4.2	75-79	6	3.75	# 445-098	1604
258	4.2	80	6	3.75	# 077	1605
258	4.2	81-85	6	3.75	# 444 w/ 7/16 Head Bolts"	1606
258	4.2	86-90	6	3.75	# 444 w/ 1/2 Head Bolts w/ 477 Crank 2.48" Neck"	1607
258	4.2	87-90	6	3.75	# 444 w/ 1/2 Head Bolts w/ 3727 Crank 2.06" Neck"	1609
304	5	70-81	V-8	3.75	# 527	1801
360	5.9	71-93	V-8	4.08	# 528	1802
401	6.6	71-76	V-8	4.17	# 951	1804
<b>BUICK</b>						
181	3	82-84	V-6	3.8	14 Bolt Oil Pan	2600
181	3	85	V-6	3.8	20 Bolt Oil Pan - Tall Deck	2618
181	3	85	V-6	3.8	Short Deck W/ Int. Dist. Gear - Reg. Crank Gear	2620
181	3	85	V-6	3.8	Short Deck w/ Flat Cam - Splined Crank Gear	2630
181	3	85-87	V-6	3.8	S.D. w/ Flat Cam - Dbl. Flats Crank Gear 3/8 Dip"	2632
181	3	87-88	V-6	3.8	S.D. w/ Flat Cam - Dbl. Flats Crank Gear 7/16 Dip"	2634
204	3.3	89-90	V-6	3.7	# 062 w/ 694 Crank - Roller	2635
204	3.3	91	V-6	3.7	# 816 w/ 4817 Crank - Roller	2650
204	3.3	92-93	V-6	3.7	# 498 - 090 w/ 4817 Crank - Roller	2654
231	3.8	75-76	V-6	3.8	w/ Bolt On Dist. Gear - Odd Fire	2603
231	3.8	77	V-6	3.8	w/ Int. Dist. Gear - Odd Fire	2604
231	3.8	77-78	V-6	3.8	Even Fire w/o K-S 5/8 or 3/4" Bal. Bolt"	2606
231	3.8	79-84	V-6	3.8	R.W.D. Turbo Oil Return Hole In Intake	2607
231	3.8	79-84	V-6	3.8	R.W.D. Even Fire w/ K-S 5/8 or 3/4" Bal. Bolt"	2608
231	3.8	84-87	V-6	3.8	R.W.D. # 140-109-329 - 20 Bolt Oil Pan w/o Turbo	2610
231	3.8	84-85	V-6	3.8	F.W.D. # 043-617 - 14 Bolt Oil Pan	2624
231	3.8	84-85	V-6	3.8	F.W.D. # 139-333 - 20 Bolt Oil Pan w/ Int. Cam	2626
231	3.8	84-87	V-6	3.8	R.W.D. Turbo # 140-109-329 Oil Return Hole In Front of Block	2628
231	3.8	86	V-6	3.8	F.W.D. # 110-801 w/ Flat Cam - Flat Tappets	2638
231	3.8	86-87	V-6	3.8	F.W.D. # 111-801 Roller Cam 3/8 Dip Stick Hole"	2640
231	3.8	86-88	V-6	3.8	F.W.D. # 898 Roller Cam 7/16 Dip Stick Hole"	2641
231	3.8	88-90	V-6	3.8	F.W.D. # 617-646 Roller Tappets w/ Bal. Shaft	2642
231	3.8	91-94	V-6	3.8	F.W.D. # 674 Roller Tappets w/ Bal. Shaft	2644

# DOMESTIC ENGINES

CUBIC INCH	LITRE	YEAR	CYL.	BORE	APPLICATION	PARTNO.
231	3.8	92-93	V-6	3.8	F.W.D. # 134 Roller Tappets w/ Bal. Shaft	2646
231	3.8	94	V-6	3.8	# 441 Roller Exc. S/C VIN 1 or L - 3 Bolt Cam Thrust Plate	2647
231	3.8	95-96	V-6	3.8	# 287 Roller Except Supercharged VIN K	2648
231	3.8	95	V-6	3.8	# 441 Roller Exc. S/C VIN 1/L 6.0 Counter Wt. New Oil Pan Bolt Pattern - 2 Bolt Thrust Plate"	2660
231	3.8	97-01	V-6	3.8	# 029 Roller Except Supercharged	2662
252	4.1	80-82	V-6	3.97	Without Knock Sensor	2612
252	4.1	81-84	V-6	3.97	With Knock Sensor	2614
350	5.8	68-69	V-8	3.8	# 201-447 - 1 Oil Feed Hole on Driver Side	2801
350	5.8	70-71	V-8	3.8	# 201-447 - Oil Feed Hold on Both Sides of Block	2802
350	5.8	72-80	V-8	3.8	# 748-744-718-809-119	2803
455	7.5	70-71	V-8	4.31	# 738-861	2811
455	7.5	72-76	V-8	4.31	# 735	2812

## CADILLAC

252	4.1	82-86	V-8	3.47	4100 # 864 R.W.D. or F.W.D.	10820
252	4.1	85-86	V-8	3.47	4100 # 925-964 F.W.D. Transverse Mt. w/ 556-558 Heads	10824
252	4.1	87-88	V-8	3.47	4100 # 925-964 F.W.D. Transverse Mt. w/ 693 Heads	10830
273	4.5	88-89	V-8	3.62	4500 # 925-525-760 Roller w/ 614 Heads	10840
273	4.5	90-92	V-8	3.62	4500 # 925-452 Roller w/ 820 Heads	10842
300	4.9	91-95	V-8	3.62	4900 # 452 Roller w/ 820 Heads	10850
368	6	80-84	V-8	3.8	w/ Fuel Pump Hole	10805
368	6	80-84	V-8	3.8	w/o Fuel Pump Hole	10806
425	7	77-79	V-8	4.08	# 110	10804
472	7.7	70-74	V-8	4.3	# 200	10802
500	8	75-76	V-8	4.3	# 200-300	10803

## CHEVROLET

98	1.6	79-80	4	3.23	O.H.C. Chevette # 133 1 1/8 Crank Pilot Hole"	3411
98	1.6	81-87	4	3.23	O.H.C. Chevette # 683 3/4 Crank Pilot Hole"	3412
112	1.8	82	4	3.5	O.H.V. # 069-049	3414
122	2	83	4	3.5	O.H.V. # 747-051 w/ Vacuum Pump Hole	3415
122	2	84-86	4	3.5	O.H.V. # 283-080-546	3416
122	2	83-84	4	3.5	O.H.V. # 246-270 S-10 Pick-Up	3418
122	2	87-89	4	3.5	O.H.V. # 009-081 w/ Alum. Head Trigger Fire	3420
122	2	87-89	4	3.5	O.H.V. # 081 w/ Alum. Head Trigger Fire w/ Dual Oil Line for Fuel Shut-Off	3421
134	2.2	90-91	4	3.5	# 554-566	3422
134	2.2	92	4	3.5	# 046-048-012	3426
134	2.2	93	4	3.5	# 927 Flat Tappets	3428
134	2.2	94-95	4	3.5	# 396-666 Roller	3430
134	2.2	96	4	3.5	# 521 Roller w/ Cam Sensor	3432
134	2.2	97	4	3.5	# 035 Roller Uses Head # 391S	3434
134	2.2	98-03	4	3.5	# 035 Roller Uses Head # 507 - 146	3436
134	2.2	02-06	4	3.39	6 / F Ecotec - Vue, Ion	3438

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CUBIC INCH	LITRE	YEAR	CYL.	BORE	APPLICATION	PARTNO.
153	2.5	62-70	4	3.88	Marine	3406
173	2.8	80	V-6	3.5	F.W.D. # 987	3630
173	2.8	81	V-6	3.5	F.W.D. # 243	3631
173	2.8	82	V-6	3.5	F.W.D. # 527-183	3636
173	2.8	82-84	V-6	3.5	F.W.D. # 832-833	3637
173	2.8	82-84	V-6	3.5	R.W.D. # 068-889-818 w/ Grooved Rear Cap	3638
173	2.8	82-84	V-6	3.5	R.W.D. # 068-889-818 w/ Flat Rear Cap	3642
173	2.8	85-86	V-6	3.5	F.W.D. # 820-065 w/ Fuel Pump Hole	3644
173	2.8	85-86	V-6	3.5	R.W.D. # 061-379 w/ Fuel Pump Hole	3645
173	2.8	85-86	V-6	3.5	F.W.D. # 820-065 w/o Fuel Pump Hole	3648
173	2.8	87-88	V-6	3.5	F.W.D. # 459-219 w/ Alum. Heads w/ F.Pump Shut Off Switch	3650
173	2.8	85-87	V-6	3.5	R.W.D. # 061-379-457-695 w/o Fuel Pump Hole w/ # 817 Regular B.M. Crank	3654
173	2.8	88-91	V-6	3.5	R.W.D. # 457-695 w/o Fuel Pump Hole w/ # 481-526 Crank w/ Balance Hub	3658
173	2.8	88-90	V-6	3.5	F.W.D. # 459-219 Isuzu w/ C.I. Heads w/ 481-526 Crank	3660
180	3	75-80	4	4	Marine	3408
189	3.1	88-90	V-6	3.5	F.W.D. # 459-618-219 w/ Aluminum Heads	3670
189	3.1	90	V-6	3.5	F.W.D. # 459-618-219 w/ Cast Iron Heads	3672
189	3.1	90-92	V-6	3.5	R.W.D. # 457 w/ Cast Iron Heads	3674
189	3.1	91-94	V-6	3.5	F.W.D. # 519-653-934 w/ Alum. Heads Flat Tappets High or Low Cross-Web in Lifter Valley	3676
189	3.1	91-95	V-6	3.5	F.W.D. # 519-653-934 w/ Cast Iron Heads Flat Tappets Low Cross-Web in Lifter Valley	3678
189	3.1	94-03	V-6	3.5	F.W.D.# 093-737-089-227 w/ Alum. Heads Roller	3680
200	3.2	78-79	V-6	3.5	# 344	3632
207	3.4	91-93	V-6	3.62	F.W.D. DOHC # 450 w/ Balance Shaft	3684
207	3.4	94-95	V-6	3.62	F.W.D. DOHC # 466 - 865 w/ Balance Shaft	3685
207	3.4	93-95	V-6	3.62	R.W.D. - O.H.V. # 608-089 Flat Tappets Cast Iron Head	3686
207	3.4	99-03	V-6	3.62	F.W.D. O.H.V. # 227 - 247 Roller Aluminum Heads	3690
211	3.5	04-06	5	3.66	VIN 6 DOHC: Canyon, Colorado	3692
214	3.5	99-02	V-6	3.52	Oldsmobile Engine VIN H	3694
229	3.8	80-84	V-6	3.74	# 594	3634
235	3.9	55-57	6	3.56	Large Water Pump Hole - Side Front Mount	3606
235	3.9	58-62	6	3.56	Passenger Car - Side Center Mount	3607
235	3.9	58-62	6	3.56	Pick-Up - Timing Cover Mount	3608
250	4.1	67	6	3.88	Chev. II - 11 Dipstick Location"	3620
250	4.1	67-72	6	3.88	7 Dipstick Location - 2 Bolt Starter"	3621
250	4.1	73-79	6	3.88	3 Bolt Starter w/o Int. Head	3622
250	4.1	73-85	6	3.88	3 Bolt Starter w/ Int. Head - w/ H.E.I. Shut-Off Switch Hole	3623
262	4.3	85	V-6	4	# 177	3640
262	4.3	86	V-6	4	# 553 1-Piece Rear Seal - Flat Tappet Cam	3641
262	4.3	87	V-6	4	# 011-683 Roller Tappets w/ Fuel Pump Hole	3662

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CUBIC	INCH	LITRE	YEAR	CYL.	BORE	APPLICATION	PARTNO.
262	4.3	96-00	V-6	4		# 090 Roller w/ Balance Shaft	3663
262	4.3	99-03	V-6	4		# 090 Roller w/ Balance Shaft - METRIC	3663M
262	4.3	99-02	V-6	4		# 090 Roller w/ Balance Shaft - METRIC - 3/4 KS"	3663MB
262	4.3	99-02	V-6	4		# 090 Roller w/ Balance Shaft - METRIC - 5/16 KS"	3663MS
262	4.3	87-90	V-6	4		# 011 Roller Tappets w/o Knock Sensor F.I.	3664
262	4.3	92-93	V-6	4		# 073-756 Roller w/ Side Tappet Hold Downs	3665
262	4.3	88-91	V-6	4		# 867 Roller Tappets w/ Knock Sensor F.I. w/ Center Hold Down for Tappets	3666
262	4.3	92-93	V-6	4		# 903 Roller Tappets w/ Balance Shaft	3667
262	4.3	94-95	V-6	4		# 196-359 Roller w/ Bal. Shaft - 6 Bolt Timing Cover	3668
262	4.3	93-95	V-6	4		# 534-535-196-834-359 Roller w/ Bal. Shaft - 10 Bolt T.C.	3669
265	4.3	94-96	V-8	3.74		# 588 MFI	3803
267	4.4	79	V-8	3.5		Left Hand Dip	3810
267	4.4	80-82	V-8	3.5		Right Hand Dip	3811
283	4.6	58-62	V-8	3.88		Single Clutch Mount	3801
283	4.6	63-67	V-8	3.88		Double Clutch Mount	3802
292	4.8	63-66	6	3.88		7/16 Flywheel Bolts - 2 Bolt Starter"	3625
292	4.8	67-72	6	3.88		1/2 Flywheel Bolts - 2 Bolt Starter"	3626
292	4.8	73-78	6	3.88		1/2 Flywheel Bolts - 3 Bolt Starter"	3627
292	4.8	79-90	6	3.88		1/2 Flywheel Bolts w/ H.E.I. Shut-Off Switch"	3628
294	4.8	99-00	V-8	3.78		# 358 w/ # 312 Crank w/ 1-1/4 Wide Crank Flange"	3813
294	4.8	99-04	V-8	3.78		# 358 w/ # 482 Crank w/ 3/4 Wide Crank Flange"	3815
305	5	76-79	V-8	3.74		Left Hand Dipstick	3812
305	5	80-85	V-8	3.74		Right Hand Dipstick	3814
305	5	80-85	V-8	3.74		Right Hand Dip w/ Flat Top Piston	3816
305	5	86-91	V-8	3.74		1 Piece Rear Seal - Dish Top Piston - w/ Fuel Pump Hole	3818
305	5	86-91	V-8	3.74		1 Piece Rear Seal - Flat Top Piston - w/ Fuel Pump Hole	3819
305	5	87-95	V-8	3.74		1 Piece Rear Seal - Flat Tappets - w/o Fuel Pump Hole	3880
305	5	87-95	V-8	3.74		1 Piece Rear Seal - Roller Tappets - w/ Fuel Pump Hole	3881
305	5	87-95	V-8	3.74		1 Piece Rear Seal - Roller Tappets - w/o Fuel Pump Hole	3882
305	5	96-00	V-8	3.74		1 Piece Rear Seal - Roller Tappets - F.I. # 878	3884
307	5	68-73	V-8	3.88			3807
323	5.3	99-03	V-8	3.78		# 358 w/ # 216 Crank w/ 3/4 Wide Crank Flange"	3808
325	5.3	04-10	V-8	3.78		L.D. Truck, Floating Pin - Code P, T, Z	3809
327	5.2	64-67	V-8	4		Small Journal Crank	3805
327	5.2	68-69	V-8	4		Large Journal Crank	3806
346	5.7	97-04	V-8	3.9		G-Code, LS1	3910
350	5.7	67-70	V-8	4		Left Hand Dip - 2 Bolt Main - Flat Top Piston	3820
350	5.7	67-70	V-8	4		Left Hand Dip - 4 Bolt Main - Flat Top Piston	3822
350	5.7	70-79	V-8	4		Left Hand Dip - 2 Bolt Main - Dish Top Piston	3824
350	5.7	70-79	V-8	4		Left Hand Dip - 2 Bolt Main - 305 Style Piston	3825

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CUBIC INCH	LITRE	YEAR	CYL.	BORE	APPLICATION	PARTNO.
350	5.7	70-79	V-8	4	Left Hand Dip - 4 Bolt Main - Dish Top Piston	3826
350	5.7	70-79	V-8	4	Left Hand Dip - 4 Bolt Main - 305 Style Piston	3827
350	5.7	80-85	V-8	4	R.Hand Dip - 2 Bolt Main - 2 pc. Rear Seal - Dish Top Piston	3828
350	5.7	80-85	V-8	4	R.Hand Dip - 2 Bolt Main - 2 pc. Rear Seal - 305 Style Piston	3829
350	5.7	80-85	V-8	4	R.Hand Dip - 4 Bolt Main - 2 pc. Rear Seal - Dish Top Piston	3830
350	5.7	80-85	V-8	4	R.Hand Dip - 4 Bolt Main - 2 pc. Rear Seal - 305 Style Piston	3831
350	5.7	86-95	V-8	4	1 Pc. R/S - 2 Bolt Main - w/ F.P. Hole - Flat Tap. - Dish Piston	3868
350	5.7	86-95	V-8	4	1 Pc. R/S - 2 Bolt Main - F.I. - Flat Tappets - Dish Piston	3869
350	5.7	86-95	V-8	4	1 Pc. R/S - 4 Bolt Main - w/ F.P. Hole - Flat Tap. - Reg. Piston	3870
350	5.7	87-95	V-8	4	2 Bolt Main w/ F.P. Hole - Roller Tappets - Reg. Piston	3872
350	5.7	87-95	V-8	4	2 Bolt Main w/ F.P. Hole - Roller Tappets - 305 Style Piston	3873
350	5.7	87-95	V-8	4	4 Bolt Main w/ F.P. Hole - Roller Tappets - Reg. Piston	3874
350	5.7	87-95	V-8	4	4 Bolt Main w/ F.P. Hole - Roller Tappets - 305 Style Piston	3875
350	5.7	87-95	V-8	4	2 Bolt Main F.I. - Roller Tappets - Regular Piston	3876
350	5.7	87-95	V-8	4	2 Bolt Main F.I. - Roller Tappets - 305 Style Piston	3877
350	5.7	87-95	V-8	4	4 Bolt Main F.I. - Roller Tappets - Regular Piston	3878
350	5.7	87-95	V-8	4	4 Bolt Main F.I. - Roller Tappets - 305 Style Piston	3879
350	5.7	86-95	V-8	4	2 Bolt Main-1 Pc.R/S w/F.P. Hole-Flat Tappets-305 Style Piston	3890
350	5.7	86-95	V-8	4	2 Bolt Main 1 Pc. R/S - F.I.-Flat Tappets-305 Style Piston	3891
350	5.7	86-95	V-8	4	4 Bolt Main - 1 Pc. R/S w/ F.P. Hole - Flat Tap. - 305 Piston	3893
350	5.7	92-96	V-8	4	2 Bolt Main LT-1 # 327 w/ C.I. Heads # 290/320 Pass. Car	3894
350	5.7	92-96	V-8	4	4 Bolt Main LT-1 # 327 w/ C.I. Heads # 290/320 Pass. Car	3896
350	5.7	92-97	V-8	4	2 Bolt Main LT-1 # 327 w/ Al. Heads # 649 - Big Hole Cam Gear	3898
350	5.7	92-97	V-8	4	4 Bolt Main LT-1 # 327 w/ Al. Heads # 649 - Splined Hole Gear	3899
350	5.7	96-00	V-8	4	2 Bolt Main R Code # 880 Block - 906 Heads Pick-Up	3895
350	5.7	96-00	V-8	4	4 Bolt Main R Code # 880 Block - 906 Heads Pick-Up	3897
350	5.7	68-79	V-8	4	H.D. Truck - 4 Bolt Main - L.H. Dip - Steel Crank	3832
350	5.7	80-85	V-8	4	H.D. Truck - 4 Bolt Main - R.H. Dip - Steel Crank	3834
350	5.7	86-94	V-8	4	H.D. Truck - 4 Bolt Main - 1 Pc. R/S Steel Crank	3836
364	6	99-05	V-8	4	# 364 w/ # 215 Crank w/ 1-1/4 Wide Crank Flange"	3844

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CUBIC INCH	LITRE	YEAR	CYL.	BORE	APPLICATION	PARTNO.
364	6	05-10	V-8	4	VIN 5, Y, K- On demand lifters	3845
364	6	02-06	V-8	4	VIN N, U - LS2 - Escalade, Corvette, GTO, SSR, CTS-V	3846
366	6	68-90	V-8	3.94	Chain Drive 2 Pc. Rear Seal - Steel Crank	3840
366	6	91-95	V-8	3.94	#183 - 1 Pc. Rear Seal - Steel Crank	3841
366	6	96-98	V-8	3.94	# 298 1 Pc. R/S - Steel Crank - 6 Bolt Front Cover	3842
396	6.6	68-72	V-8	4.13	# 396-400-402 - 2 Bolt Main Big Block	3854
400	6.6	70-80	V-8	4.13	2 Bolt Main - Small Block - Dish Top Piston	3848
400	6.6	70-80	V-8	4.13	2 Bolt Main - Small Block - Flat Top Piston	3849
400	6.6	70-80	V-8	4.13	4 Bolt Main - Small Block - Dish Top Piston	3850
400	6.6	70-80	V-8	4.13	4 Bolt Main - Small Block - Flat Top Piston	3851
427	7	74-90	V-8	4.13	H.D. Truck - 2 Pc. Rear Seal - Chain Drive	3862
427	7	91-95	V-8	4.13	H.D. Truck # 184 - 1 Pc. Rear Seal	3863
454	7.4	96-00	V-8	4.13	# 297 - 1 Pc. Rear Seal - Lt. Truck - 6 Bolt Cover - Roller	3858
454	7.4	96-00	V-8	4.13	# 297 - 1 Pc. Rear Seal - Lt. Truck - 6 Bolt Cover	3860
454	7.4	70-90	V-8	4.13	Passenger Car/Lt. Truck - 2 Pc. Rear Seal - 2 Bolt Main	3864
454	7.4	91-95	V-8	4.13	# 182 - 1 Pc. Rear Seal - Passenger Car/Lt. Truck	3865
454	7.4	74-91	V-8	4.13	Medium Duty Truck 3/4-1 Ton - 2 Pc. Rear Seal - 4 Bolt Main	3866

## CHRYSLER

135	2.2	81-84	4	3.45	O.H.C. # 4105730-630 10mm Head Bolts - 6 Hole Crank	6400
135	2.2	84	4	3.45	O.H.C. # 330-730 Turbo - 10 mm Head Bolts - 6 Hole Crank	6402
135	2.2	85	4	3.45	O.H.C. -F.W.D. # 430 w/ Carb. - 10 mm H.Bolts - 6 Hole Crank	6404
135	2.2	85	4	3.45	O.H.C.-F.W.D. # 930 F.I. - 11mm H.Bolts - 6 Hole Crank	6406
135	2.2	85	4	3.45	O.H.C.-F.W.D. # 530-930 Turbo - 11mm H.Bolts - 6 Hole Crank	6410
135	2.2	86-87	4	3.45	O.H.C.-F.W.D. # 830 w/ Carb. - 8 Hole Crank	6412
135	2.2	89-90	4	3.45	O.H.C.-F.W.D. # 851 8 Hole Crank - Turbo	6422
135	2.2	91	4	3.45	O.H.C.-F.W.D. - Turbo	6424
135	2.2	91-94	4	3.45	O.H.C.-F.W.D. # 4556030 No Bal. Assy.	6425
156	2.6	79-80	4	3.59	O.H.C.-R.W.D. Bell Hsing Dowels are 12 1/2 Between Centers"	6448
156	2.6	81-85	4	3.59	O.H.C.-F.W.D. w/ 2 Vent Tubes	6460
167	2.7	98-99	V-6	3.28	DOHC-F.W.D. # 611 Intrepid - Concord	6652
167	2.7	00-01	V-6	3.28	DOHC-F.W.D. # 611 Stratus - Sebring	6654
167	2.7	01	V-6	3.28	DOHC-F.W.D. # 611 Stratus - Sebring	6656
202	3.3	90-93	V-6	3.66	O.H.V.-F.W.D. # 030 - Roller Tappets	6674
202	3.3	93	V-6	3.66	O.H.V.-F.W.D. # 430 - Roller Tappets	6676
202	3.3	93-95	V-6	3.66	O.H.V.-F.W.D. # 763 - Roller Tappets	6678
202	3.3	93-97	V-6	3.66	O.H.V.-F.W.D. # 944 - Roller Tappets	6680
202	3.3	98-04	V-6	3.66	O.H.V.-F.W.D.	6681

# DOMESTIC ENGINES

CUBIC INCH	LITRE	YEAR	CYL.	BORE	APPLICATION	PARTNO.
215	3.5	93-94	V-6	3.78	SOHC-F.W.D. # 530/458 Uses Head # 807 Except Prowler	6684
215	3.5	95-97	V-6	3.78	SOHC-F.W.D. # 530/458 Uses Head # 490 Except Prowler	6686
215	3.5	99-04	V-6	3.78	SOHC-F.W.D. Aluminum Block & Heads	6688
225	3.7	61-67	6	3.4	1.962 O.D. Flywheel Hub	6604
225	3.7	68-74	6	3.4	2.157 O.D. Flywheel Hub	6605
225	3.7	75-80	6	3.4	Solid Tappets	6608
225	3.7	81-87	6	3.4	Hydraulic Tappets	6610
226	3.7	02-06	V-6	3.66	K-CODE	6615
230	3.8	00-03	V-6	3.78	VIN L	6647
231	3.8	93-95	V-6	3.78	O.H.V.- F.I. # 430 - Flat Tappets	6640
231	3.8	91-99	V-6	3.78	O.H.V. - F.I. # 430-763 - Roller	6644
231	3.8	91-99	V-6	3.78	O.H.V. - F.I. # 944	6646
238	3.9	87	V-6	3.91	O.H.V. # 730 - Flat Tappets	6620
238	3.9	88-91	V-6	3.91	O.H.V. # 729-730 - Roller w/ Flat Rear Cap	6626
238	3.9	91	V-6	3.91	O.H.V. # 729-730 - Roller w/ Grooved Rear Cap	6628
238	3.9	92-00	V-6	3.91	O.H.V. # 711-964-988 - Roller Tappets - Magnum	6630
285	4.7	99-06	V-8	3.66	SOHC - 16 Valve Crank w/ 16 Teeth *For Long Block, must identify target wheel on heads	6854
285	4.7	99-06	V-8	3.66	SOHC - 16 Valve Crank w/ 32 Teeth *For Long Block, must identify target wheel on heads	6856
318	5.2	68-84	V-8	3.91	Hydraulic Tappets - 9 Brace Bolt Hole"	6805
318	5.2	80-84	V-8	3.91	10 Bell Housing Brace Bolt Hole"	6813
318	5.2	85-89	V-8	3.91	Flat Tappets - Hydraulic	6814
318	5.2	91	V-8	3.91	Roller Tappets # 657 Dakota w/ Side Motor Mounts	6815
318	5.2	85-91	V-8	3.91	Roller Tappets # 330-560	6816
318	5.2	92-02	V-8	3.91	Roller Tappets # 657-714 Magnum	6817
345	5.7	02-06	V-8	3.92	VIN CODE D - HEMI	6821
360	5.9	71-89	V-8	4	Flat Tappets	6811
360	5.9	89-92	V-8	4	Roller Tappets w/ Front Motor Mounts	6818
360	5.9	92-93	V-8	4	Roller Tappets w/ Side Motor Mounts	6820
360	5.9	93-01	V-8	4	Roller Tappets Magnum	6822
400	6.6	73-80	V-8	4.34	Steel Crank	6823
400	6.6	73-80	V-8	4.34	Cast Crank	6825
440	7.2	73-84	V-8	4.32	Steel Crank	6827
440	7.2	73-84	V-8	4.32	Cast Crank	6829
488	8	94-01	V-10	4	W-Code 20 Valve	61010
<b>FORD</b>						
98	1.6	81-83	4	3.15	O.H.C. - Escort BEFORE 5/14/83 w/o Gerotor Pump Oil Pump Drive on Neck of Crank is 1/4 Tall"	7404
98	1.6	83-85	4	3.15	O.H.C. - Escort AFTER 5/14/83 w/ Gerotor Pump Oil Pump Drive on Neck of Crank is 1/2 Tall"	7405
98	1.6	84-85	4	3.15	O.H.C. - Escort - Turbo	7416
116	1.9	85-86	4	3.23	O.H.C. - Escort - E5-E6 w/ Carb. - Flat Top Piston	7424
116	1.9	85-86	4	3.23	O.H.C. - Escort - E5-E6 w/ E.F.I. - Contoured Piston	7426

# DOMESTIC ENGINES

CUBIC INCH	LITRE	YEAR	CYL.	BORE	APPLICATION	PARTNO.
116	1.9	87-90	4	3.23	O.H.C. - Escort - E7-E8 w/ E.F.I. - Dome Top Piston	7428
116	1.9	87-90	4	3.23	O.H.C. - Escort - E7-E8 w/ C.F.I. - Flat Top Piston	7429
116	1.9	91-96	4	3.23	O.H.C. - Escort - # FOCE w/ Flat Piston	7431
116	1.9	91-96	4	3.23	O.H.C. - Escort - # FOCE w/ Dome Piston	7433
121	2	97-02	4	3.34	SOHC - Escort / Tracer - # F-7 w/o Knock Sensor	7435
121	2	98-02	4	3.34	SOHC - Escort / Focus # F-8 w/ Knock Sensor	7437
121	2	00-02	4	3.34	SOHC - Escort / Focus # YS4E-DA	7439
122	2	83-86	4	3.52	O.H.C. - Ranger w/ Grooved Rear Cap	7410
122	2	87-88	4	3.52	O.H.C. - Ranger w/ Flat Rear Main Cap	7411
122	2	95-98	4	3.34	DOHC - Contour / Mystique	7438
122	2	99-00	4	3.34	DOHC - Contour / Mystique	7440
140	2.3	74-80	4	3.78	O.H.C. - Front Dip	7407
140	2.3	74-86	4	3.78	O.H.C. - Rear Dip w/ Carb.	7408
140	2.3	79-82	4	3.78	O.H.C. - Turbo	7409
140	2.3	84-87	4	3.68	O.H.V. - H.S.C. - 14 Bolt Oil Pan	7412
140	2.3	95	4	3.78	O.H.C. - # F57E-DE	7413
140	2.3	88-91	4	3.68	O.H.V. - H.S.C. - 11 Bolt Oil Pan	7414
140	2.3	87-88	4	3.78	O.H.C. - Turbo w/ Oil Return In Left Side - Flat Cap	7415
140	2.3	92-94	4	3.68	O.H.V. - H.S.C. - # F-23-E w/ Cam Probe	7417
140	2.3	85-86	4	3.78	O.H.C. - w/ Fuel Pump Hole - Flat Rear Cap	7418
140	2.3	83-87	4	3.78	O.H.C. - Turbo w/ Oil Return in Left Side of Block	7419
140	2.3	85-90	4	3.78	O.H.C. - w/o Fuel Pump Hole - Flat Rear Cap	7420
140	2.3	89-94	4	3.78	O.H.C. - # E89E-AD w/ 8 Spark Plug Head	7421
153	2.5	86-90	4	3.68	O.H.C. - H.S.C.	7422
153	2.5	91	4	3.68	O.H.C. - H.S.C. - # F-1 w/ Cam Probe	7423
153	2.5	98-01	4	3.78	Ranger 8 Valve VIN C SOHC	7425
171	2.8	74-79	V-6	3.66	# 74TM - Passenger Car	7602
171	2.8	83-86	V-6	3.66	# 83TM - Ranger / Bronco II / Aerostar	7604
177	2.9	86-89	V-6	3.66	# 86TM - Ranger / Bronco II	7625
177	2.9	89-92	V-6	3.66	# 89TM - Ranger / Bronco II	7627
183	3	86-89	V-6	3.5	# E6AE - R.W.D. or F.W.D.	7606
183	3	89-91	V-6	3.5	# E9DE - R.W.D. or F.W.D. - Flat Tappets	7607
183	3	91-94	V-6	3.5	# F2DE - R.W.D. or F.W.D. - Roller Tappets	7616
183	3	95-98	V-6	3.5	# F58E - F6AE - Roller Except SHO - Cast Iron Block	7617
183	3	99-00	V-6	3.5	# XF1E-DD - Roller	7619
183	3	00-01	V-6	3.5	# 2F1E-AA w/ Studed Mains	7621
183	3	02-07	V-6	3.5	Flex Fuel - VIN V, U - (Dome piston)	7623
200	3.3	65	6	3.68	# C5DE-H	7608
200	3.3	66-67	6	3.68	# C6DE-A	7609
200	3.3	68-74	6	3.68	# C8DE-A	7610
200	3.3	75-80	6	3.68	# D8BE-GA E1BE-FA	7612
200	3.3	81-83	6	3.68	# E1BE-BB - Wide Bell Housing	7613
232	3.8	82-87	V-6	3.81	R.W.D. Carb. Or F.I.	7618
232	3.8	88	V-6	3.81	R.W.D. - Flat Tappets w/ Bal. Shaft E-8DE-B78 E-8SE-AB	7622
232	3.8	88	V-6	3.81	F.W.D. - Flat Tappets w/ Bal. Shaft # E-8DE-DB	7654



# DOMESTIC ENGINES

CUBIC	INCH	LITRE	YEAR	CYL.	BORE	APPLICATION	PARTNO.
232	3.8	89-95	V-6	3.81	R.W.D. - Roller - w/o Bal. Shaft - # E9SEA4M / F1SE	7656	
232	3.8	89-95	V-6	3.81	F.W.D. - Roller w/ Bal. Shaft # E-9DE / F1DEEA	7660	
232	3.8	89-95	V-6	3.81	R.W.D. - Roller w/o Bal. Shaft Supercharged # E9SE-F1SE	7662	
232	3.8	96-98	V-6	3.81	R.W.D. - Roller w/o Bal. Shaft # F6Z - F7Z - F75	7666	
232	3.8	96-99	V-6	3.81	F.W.D. - Roller w/ Bal. Shaft # F68E - F78E	7668	
232	3.8	99-00	V-6	3.81	R.W.D. - Roller w/o Bal. Shaft # XL3E-AD	7670	
232	3.8	99-00	V-6	3.81	F.W.D. - Roller # XL3-AD	7667	
232	3.8	01-03	V-6	3.81	R.W.D. - Roller	7671	
232	3.8	01-03	V-6	3.81	F.W.D. - Roller # IF2E	7669	
240	3.9	65-74	6	4		7620	
244	4	90-94	V-6	3.95	Roller Tappets # 90TM	7650	
244	4	95-96	V-6	3.95	Roller Tappets # 95TM - 6 Hole Crank - Dipstick Hole is .380	7652	
244	4	97-00	V-6	3.95	O.H.V. # 97TMAB - 8 Hole Crank	7653	
244	4	97-02	V-6		SOHC	7651	
250	4.1	69-74	6	3.68		7624	
250	4.1	75-80	6	3.68		7626	
255	4.2	80-82	V-8	3.68		7801	
256	4.2	97-00	V-6	3.81	O.H.V. - R.W.D. - F150 - 6 Bolt Studs in Main Caps	7674	
256	4.2	97-00	V-6	3.81	O.H.V. - R.W.D. - F150 - 8 Bolt Studs in Main Caps	7676	
256	4.2	01-05	V-6	3.81	O.H.V. - R.W.D. -RFIL3E w/ Small Main Studs	7678	
281	4.6	91-92	V-8	3.55	SOHC # F1AE-AK Block w/ F1 Heads	7802	
281	4.6	92	V-8	3.55	SOHC # F2VE-AK Block w/ F1 Heads	7803	
281	4.6	93-95	V-8	3.55	SOHC # F2VE-AK - F4VE-AA Block w/ F4 Heads	7804	
281	4.6	95	V-8	3.55	SOHC # F2VE-AK - F4VE-AA Block w/ F5 Heads	7805	
281	4.6	96-98	V-8	3.55	SOHC # F65D - F7VE Block w/ F5 Heads	7808	
281	4.6	96-98	V-8	3.55	SOHC # F65E - F75E Block w/ F6 Heads - Passenger Car 6 Bolt Hole Crankshaft	7810	
281	4.6	96-98	V-8	3.55	SOHC # F65E - F75E Block w/ F6 Heads - Passenger Car F150 Pick-Up - 8 Bolt Hole Crankshaft	7811	
289	4.7	63-64	V-8	4	5 Bolt Bell Housing	7806	
289	4.7	65-67	V-8	4	6 Bolt Bell Housing	7807	
300	4.9	65-74	6	4		7630	
300	4.9	75-80	6	4	3 Bolt Clutch Mount - Dip Presses in Block	7634	
300	4.9	80-82	6	4	Dipstick in Oil Pan	7635	
300	4.9	81-86	6	4	Dipstick Tube Screws Into Block Behind Filter	7640	
300	4.9	87-96	6	4	Fuel Injected	7645	
302	5	68-74	V-8	4		7812	
302	5	75-79	V-8	4	3/8 Auxiliary Bolt Hole - Right Front Pad on Block"	7814	
302	5	79	V-8	4	E.E.C. Sensor Rear of Block	7815	
302	5	75-81	V-8	4	Heavy Crank - Dip in Block	7816	
302	5	81-86	V-8	4	2MAE Light Crank - Dip in Block or Oil Pan	7826	
302	5	82-85	V-8	4	H.O. - Flat Tappets	7827	
302	5	85-91	V-8	4	E.F.I. - Roller Tappets	7828	
302	5	85-86	V-8	4	H.O. - Roller Tappets	7829	

# DOMESTIC ENGINES

CUBIC INCH	LITRE	YEAR	CYL.	BORE	APPLICATION	PARTNO.
302	5	81-88	V-8	4	E.F.I. -Hydraulic - Flat Tappets w/ Knock Sensor	7880
302	5	85-91	V-8	4	E.F.I. - Roller - w/ Knock Sensor 15426378 Firing Order	7882
302	5	87-00	V-8	4	H.O. - Roller Tappets - w/ 13726548 (351) Firing Order	7884
330	5.4	97-05	V-8	3.55	SOHC # F75E Block w/ F75 Heads - F150 / Exp.	7817
330	5.4	99-00	V-8	3.55	SOHC # F75E Block w/ XL3E Heads - F150 / Exp.	7818
330	5.4	64-78	V-8	3.88	Medium Duty - 1 3/8 C/S Neck - 14" Oil Pump Drive"	7820
330	5.4	64-78	V-8	3.88	Heavy Duty - 1 3/4 C/S Neck - 5/16" Oil Pump Drive"	7822
330	5.4	72-78	V-8	3.88	Extra Duty - 1 3/8 C/S Neck - 5/16" Oil Pump Drive"	7824
351C	5.8	69-74	V-8	4	2 Bolt Main	7836
351M	5.8	75-82	V-8	4	Dipstick in Front of Block	7838
351M	5.8	77-82	V-8	4	Dipstick in Oil Pan	7839
351W	5.8	69-74	V-8	4		7830
351W	5.8	88-93	V-8	4	H.O.- Flat Tappets - Dipstick Tube Presses in Block	7832
351W	5.8	94-97	V-8	4	F.I. - Roller Tappets - # F4TE-AAS	7833
351W	5.8	75-91	V-8	4	3/8 Auxiliary Bolt Hole - Right Front Pad on Block"	7834
351W	5.8	80-92	V-8	4	H.O. - Flat Tappets - 4 Barrel Carb.	7835
351W	5.8	88-93	V-8	4	E.F.I. - Flat Tappets - Dipstick Tube Presses in Block	7837
352	5.8	65-67	V-8	4	4 Bolt Motor Mount	7840
360	5.9	65-76	V-8	4.05		7844
361	5.9	64-78	V-8	4.05	Heavy Duty Truck - 1 3/4 Crank Neck"	7846
370	6.1	79-91	V-8	4.05	Heavy Duty Truck - 1 3/4 Crank Neck"	7848
390	6.4	65-76	V-8	4.05		7852
391	6.4	64-78	V-8	4.05	Heavy Duty Truck - 1 3/4 Crank Neck"	7854
400	6.6	71-82	V-8	4	Dipstick in Front of Block	7856
400	6.6	71-82	V-8	4	Dipstick in Oil Pan	7857
420	6.9	83-87	V-8	4	Diesel	7920
429	7	68-73	V-8	4.36	Passenger Car Only	7860
429	7	79-95	V-8	4.36	Heavy Duty Truck - 1 3/4 Crank Neck"	7868
445	7.3	89-94	V-8	4.11	Diesel - Non-Turbo	7932
445	7.3	94-01	V-8	4.11	Diesel - Turbo	7930
460	7.5	72-78	V-8	4.36	# D1VE Block - # 2Y Crank	7870
460	7.5	79-87	V-8	4.36	# D9TE Block - #3Y Crank Carb.	7872
460	7.5	88-97	V-8	4.36	# D9TE Block - #3Y Crank F.I.	7873

## I.H.C. TRUCK

304	5	58-78	V-8	3.88	Flat Top Piston	9810
345	5.7	58-74	V-8	3.88	Contour Top Piston	9820
345	5.7	58-74	V-8	3.88	Flat Top Piston - Front Motor Mount	9822
345	5.7	72-84	V-8	3.88	Flat Top Piston - Side Motor Mount	9824
392	6.4	68-72	V-8	4.13	BEFORE Serial # 1013196 w/o Improved Cooling - Flat Top Piston - Front Motor Mount	9834
392	6.4	72-84	V-8	4.13	AFTER Serial # 1013196 w/ Improved Cooling - Flat Top Piston - Side Motor Mount	9836

## OLDSMOBILE

# DOMESTIC ENGINES

CUBIC INCH	LITRE	YEAR	CYL.	BORE	APPLICATION	PARTNO.
138	2.3	87-88	4	3.62	QUAD 4 DOHC # 788-033 w/ 120 Crank 0o Timing	4400
138	2.3	89-90	4	3.62	QUAD 4 DOHC # 061-062 w/ 690 Crank 15o Timing	4402
138	2.3	91	4	3.62	QUAD 4 DOHC # 326-442-377 w/ 690 Crank 15o Timing	4406
138	2.3	92-93	4	3.62	QUAD 4 DOHC # 927-661 w/ 690 Crank 15o Timing	4408
138	2.3	95	4	3.62	QUAD 4 DOHC # 400 w/ 115 Crank	4410
138	2.3	92-94	4	3.62	QUAD 4 SOHC # 927-661 w/ 690 Crank 15o Timing	4420
146	2.4	96-98	4	3.54	QUAD 4 DOHC - # 250	4425
146	2.4	99-00	4	3.54	QUAD 4 DOHC - # 783	4426
260	4.3	75-76	V-8	3.5	# 355-965	4810
260	4.3	77-82	V-8	3.5	# 751-2B / 965-2A	4812
307	5	81-84	V-8	3.8	# 3161-5A - Flat Tappets	4818
307	5	85-90	V-8	3.8	# 4790 - Roller Tappets	4828
350	5.7	68-76	V-8	4.06	# 558 - 7/16 Head Bolts"	4814
350	5.7	77-80	V-8	4.06	# 752-3B - 964-3A - 1/2 Head Bolts"	4816
403	6.6	77-79	V-8	4.35	# 265-4B - 990	4822
455	7.5	68-76	V-8	4.13	# 021F - 788L - Pass. Car - w/ Auto Transmission Only	4824
455	7.5	68-76	V-8	4.13	# 021F - 788L - Marine	4826

## PONTIAC

122	2	87-91	4	3.39	O.H.C. - # 802 w/ 036-399 Crank	5440
122	2	92-95	4	3.39	O.H.C. - # 507 Crank w/ Firing Hubfront Main	5441
122	2	87-91	4	3.39	O.H.C. - # 802 w/ 036-399 Crank	5444
151	2.5	77-79	4	4	R.W.D. # 886	5401
151	2.5	79-81	4	4	R.W.D. # 542-189	5402
151	2.5	80-81	4	4	R.W.D. # 540-194	5403
151	2.5	82-83	4	4	R.W.D. # 149 w/ 3 1/2 Water Pump Hole"	5404
151	2.5	84	4	4	R.W.D. # 638 w/ 3 1/2 Water Pump Hole"	5405
151	2.5	82-83	4	4	R.W.D. # 149 w/ 3 1/4 Water Pump Hole"	5409
151	2.5	84	4	4	R.W.D. # 638 w/ 3 1/4 Water Pump Hole"	5412
151	2.5	85-86	4	4	R Code - R.W.D. - # 579-032 - Roller Tappets	5407
151	2.5	85-86	4	4	R Code - R.W.D. - # 058-029-562-511-532 Roller Tappets	5415
151	2.5	85-86	4	4	U Code - F.W.D. - # 769 - Roller Tappets	5417
151	2.5	87	4	4	U Code - F.W.D. - # 010-901 w/ 390-406 Crank - Roller Tappets w/o Balance Assy.	5418
151	2.5	87	4	4	R Code - F.W.D. - # 893 w/ 381 Crank - Roller Tappets	5419
151	2.5	82-83	4	4	R.W.D. - # 152	5420
151	2.5	87	4	4	R Code - R.W.D. - # 046 w/ 684 or 381 Crank - Roller Tappets	5422
151	2.5	87	4	4	U Code - F.W.D. - # 725 w/ 406-540 Crank w/ 82 Teeth - Roller Tappets w/ Bal. Assy.	5425
151	2.5	87-89	4	4	U Code - F.W.D. - # 725 w/ 406-540 Crank w/ 78 Teeth - Roller Tappets w/ Bal. Assy.	5426
151	2.5	88-90	4	4	R Code - F.W.D. - # 980 w/ 405-543 Crank - Roller Tappets w/ Bal. Assy.	5428

# DOMESTIC ENGINES

CUBIC INCH	LITRE	YEAR	CYL.	BORE	APPLICATION	PARTNO.
151	2.5	90-91	4	4	U Code - F.W.D. - # 401 w/ 540 Crank - Chain Drive - Roller Tappets w/ Bal. Assy.	5430
151	2.5	88-93	4	4	R Code - R.W.D. - # 311 w/ 405-545 Crank - Roller Tappets	5432
151	2.5	91-92	4	4	R Code - F.W.D. - # 750 w/ 543 Crank - Chain Drive - Roller Tappets w/ Bal. Assy.	5434
265	4.3	80-81	V-8	3.75	# 073-075	5804
301	4.9	77	V-8	4	# 934-706-192	5805
301	4.9	78-81	V-8	4		5806
301	4.9	80-81	V-8	4	Turbo	5807
350	5.7	70-74	V-8	3.88	2 3/4 Flywheel Centering Ring"	5810
350	5.7	75	V-8	3.88	2 3/4 Flywheel Centering Ring"	5812
350	5.7	76-77	V-8	3.88	2 1/2 Flywheel Centering Ring"	5814
400	6.6	70-74	V-8	4.12	2 3/4 Flywheel Centering Ring"	5818
400	6.6	75	V-8	4.12	2 3/4 Flywheel Centering Ring"	5820
400	6.6	76-78	V-8	4.12	2 1/2 Flywheel Centering Ring"	5822
455	7.5	70-72	V-8	4.15		5826
455	7.5	73-76	V-8	4.15		5828