

ENGINE PRO DIESEL PERFORMANCE CAMSHAFTS

For Ford Powerstroke, GM Duramax and Dodge Cummins Engines



Our Camshafts Deliver More Horsepower, More Torque and Better Fuel Economy

Engine Pro Diesel Performance Cams are designed to maximize the performance of these engines within the OEM rpm limits. The opening and closing valve events and lobe ramp design are changed resulting in more power and better fuel economy. Other benefits include reduced turbo lag, faster spooling and more efficient boost.

For Ford Powerstroke, GM Duramax and Dodge Cummins Engines

- Average horsepower increase of 50 hp confirmed in dyno tests
- Average torque increase of 100 ft lbs confirmed in dyno tests
- Reduced turbo lag confirmed in dyno tests
- Faster spooling
- Fuel economy increase of up to 22%
- Exhaust gas temperature reduced an average of 300 degrees F.
- No piston change or valve relief machining necessary
- May be used with stock or ported heads
- 100% USA made

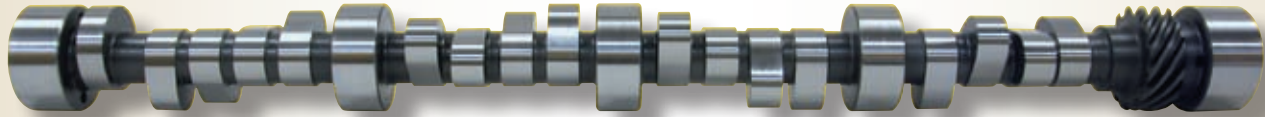
NOTE:

It is illegal to use Engine Pro Performance Camshafts in vehicles that are operated on the public streets and highways of California. Various other state laws may limit the use of these camshafts to "off highway" applications only. Check current state and federal laws to be sure. (This statement applies to all Engine Pro Performance Cams and it appears on Page 3 of this catalog.

ENGINE PRO DIESEL PERFORMANCE CAMSHAFT SPECIFICATIONS

PART #	APPLICATION		DUR @ .050		ADV DUR		VALVE LIFT		LOBE SEP		LASH COLD	
			INT	EXH	INT	EXH	INT	EXH	INT	EXH	INT	EXH
MC59024	DODGE CUMMINS 5.9L - 24 VALVES	MECH/HYD	INT	EXH	INT	EXH	INT	EXH	INT	EXH	INT	EXH
		MECH	199	199	237	237	.442	.429	112	112	.010	.020
SPRING PRESSURE - SEAT: 135-145 OPEN: 400 (MAX) WARNING: MUST USE 12-VALVE LIFTERS WITH THIS CAM, e.g. HT2302												
MC60641	FORD POWERSTROKE 6.0L, 6.4L	MECH/HYD	INT	EXH	INT	EXH	INT	EXH	INT	EXH	INT	EXH
		HYD	189	187	227	223	.364	.341	112	112	0	0
SPRING PRESSURE - SEAT: 70-145 OPEN: 400 (MAX) NOTE: BOOST PRESSURE WILL AFFECT THE SPRING RATE NEEDED												
MC73001	FORD POWERSTROKE 7.3L	MECH/HYD	INT	EXH	INT	EXH	INT	EXH	INT	EXH	INT	EXH
		HYD	189	189	234	234	.432	.416	112	112	0	0
SPRING PRESSURE - SEAT: 90-145 OPEN: 400 (MAX) NOTE: BOOST PRESSURE WILL AFFECT SPRING RATE NEEDED												
MC66001	GM DURAMAX 6.6L	MECH/HYD	INT	EXH	INT	EXH	INT	EXH	INT	EXH	INT	EXH
		MECH	181	169	219	206	.340	.338	112	112	.000*	.002*
SPRING PRESSURE - SEAT: 90-145 OPEN: 400 (MAX) NOTE: BOOST PRESSURE WILL AFFECT SPRING RATE NEEDED												
* LASH WILL INCREASE AS CYLINDER HEAD TEMPERATURE INCREASES												

ENGINE PRO PERFORMANCE CAMS FOR AUTOS AND LIGHT TRUCKS



CAMSHAFT RANGE & SELECTION CHART

SEE INDIVIDUAL LISTINGS FOR MORE INFORMATION

TORQUE CAM

NEED A GOOD TORQUE CAM?
LOOK FOR THIS ICON IN THE LISTINGS

STAGE 1

DURATION @ .050":
UP TO 200 HYDRAULIC

CHARACTERISTICS	RECOMMENDATIONS
IDLE QUALITY: SMOOTH STOCK	TOWING: GOOD FOR PULLING HEAVY LOADS
TORQUE: IMPROVED LOW END, 1600-2000 RPM	RACING: NOT RECOMMENDED
FUEL ECONOMY: VERY GOOD	COMPUTER CONTROLLED VEHICLES: MODIFICATIONS NOT NEEDED
	TRANSMISSION: STOCK AUTOMATIC OR MANUAL
	COMPRESSION RATIO: 9.0:1 OR LESS

STAGE 2

DURATION @ .050":
200-215 HYDRAULIC

CHARACTERISTICS	RECOMMENDATIONS
IDLE QUALITY: SMOOTH	TOWING: GOOD FOR LIGHT PULLING AND RV USE
TORQUE: GOOD LOW AND MID-RANGES 1800-2600 RPM	RACING: NOT RECOMMENDED
FUEL ECONOMY: GOOD	COMPUTER CONTROLLED VEHICLES: MODIFICATIONS MAY BE NEEDED
	TRANSMISSION: STOCK AUTOMATIC OR MANUAL
	COMPRESSION RATIO: 9.5:1 OR LESS

STAGE 3

DURATION @ .050":
210-225 HYDRAULIC

CHARACTERISTICS	RECOMMENDATIONS
IDLE QUALITY: FAIR WITH SOME LOPE	TOWING: NOT RECOMMENDED
TORQUE: MID-RANGE 2400-3200 RPM	RACING: MILD BRACKET RACING
FUEL ECONOMY: FAIR	COMPUTER CONTROLLED VEHICLES: MODIFIED COMPUTER CHIP MAY BE REQUIRED TO COMPENSATE FOR LOW VACUUM
	TRANSMISSION: STOCK AUTOMATIC OR MANUAL
	COMPRESSION RATIO: 10.3:1 OR LESS. CHECK VALVE TO PISTON CLEARANCE

STAGE 4

DURATION @ .050":
225-240 HYDRAULIC

CHARACTERISTICS	RECOMMENDATIONS
IDLE QUALITY: ROUGH. MANIFOLD VACUUM WILL NOT OPERATE POWER BRAKES	TOWING: NOT RECOMMENDED
TORQUE: MID-RANGE 3000-4000 RPM	RACING: BRACKET DRAG RACING, LIMITED OVAL TRACK
FUEL ECONOMY: POOR	COMPUTER CONTROLLED VEHICLES: NOT RECOMMENDED
	TRANSMISSION: AUTOMATIC WITH HIGH STALL CONVERTER OR MANUAL
	COMPRESSION RATIO: 10.5:1 TO 11.0:1. CHECK VALVE TO PISTON CLEARANCE

STAGE 5

DURATION @ .050":
240-255 HYDRAULIC
250-265 MECHANICAL

CHARACTERISTICS	RECOMMENDATIONS
IDLE QUALITY: ROUGH WITH HEAVY LOPE. WILL NOT OPERATE POWER BRAKES	TOWING: NOT RECOMMENDED
TORQUE: MID TO HIGH RANGES 3800-5000 RPM	RACING: BRACKET DRAG RACING, OVAL TRACK
FUEL ECONOMY: POOR	COMPUTER CONTROLLED VEHICLES: NOT RECOMMENDED
	TRANSMISSION: AUTOMATIC WITH HIGH STALL CONVERTER OR HEAVY DUTY MANUAL
	COMPRESSION RATIO: 10.5:1 TO 12.0:1. CHECK VALVE TO PISTON CLEARANCE

THESE ARE GENERAL GUIDELINES. TO ACHIEVE BEST PERFORMANCE, MATCH CARBURETION, INTAKE MANIFOLD, IGNITION AND HEADERS TO THE CAMSHAFT.

NEW NUMBERS SHOWN IN BOLD FACE TYPE

PERFORMANCE CAMSHAFTS

Street or strip, Engine Pro Performance Camshafts simply out perform the competition. Our manufacturing accuracy promotes improved valve train stability resulting in improved power gain. Our "controlled ramp" lobe profiles offer acceleration rates extending valve train life while delivering maximum horsepower.

- Ground in the U.S.A. 100% American Made Castings and Billets
- Computer Designed Lobe Profiles for Maximum Power
- Journal Roundness Maintained to Within .0002"
- Manganese Phosphate Coated, Flame Hardened Castings or Induction Hardened Billets
- Profiles are Adcole Verified for the Ultimate in Accuracy

CAMSHAFT APPLICATION CHART

PART #	MECH/ HYD	STAGE	DUR @ .050" INT EXH	ADV. DUR. INT EXH	VALVE LIFT INT EXH	LOBE SEP INT EXH	POWER RANGE	IDLE	LIFTER PART#	NOTES: COMMENTS BELOW PART #
AMERICAN MOTORS V8, 1966-92 - Flat Tappet Cam / 290, 304, 343, 360, 390, 401 C.I.										
MC1786	HYD	2	204 214	280 290	.448 .472	105 105	1000-5000	SMOOTH	2011	B, D
COMMENT: TORQUE CAM GOOD AND LOW MID RANGE TORQUE AND PULLING POWER										
BUICK V6, 1978-88 - Flat Tappet Cam / 181, 196, 231, 252 C.I. (EVEN FIRE W/INTEGRAL DIST. DRIVE GEAR)										
MC1731	HYD	1	194 204	272 280	.424 .449	114 114	1000-5000	SMOOTH	969	B
COMMENT: GOOD MILEAGE AND TORQUE										
MC2731	HYD	2	204 214	280 290	.448 .472	112 112	1200-4700	SMOOTH	969	N
COMMENT: TORQUE CAM GOOD LOW AND MID-RANGE TORQUE										
BUICK V8 400, 455 C.I.										
MC11650	HYD	3	214 224	290 300	.469 .493	112 Centerline	1500-4500	SMOOTH	969	D
COMMENT: GOOD MILEAGE AND TORQUE										
CHEVROLET V6 - Flat Tappet Cam / 1980-89 173 C.I. (2.8L) & 1990-94 189 C.I. (3.1L)										
MC1784	HYD	2	204 214	278 288	.420 .443	107 112	1000-5000	SMOOTH	2095	B
COMMENT: TORQUE CAM GOOD LOW END TORQUE AND PULLING POWER										
CHEVROLET V6 1985-03 262 c.i. (4.3L)										
MC22113	HYD	1	194 204	270 278	.398 .420	104 104	Idle-5000	STOCK	817	N
COMMENT: TORQUE CAM GOOD LOW AND MID-RANGE TORQUE AND PULLING POWER										
ROLLER CAM FOR ENGINES ORIGINALLY EQUIPPED WITH ROLLER CAM TORQUE CAM										
MC22128	HYD	2	210 214	273 277	.487 .478	107 117	1500-4000	SMOOTH	2148	B, N
COMMENT: TORQUE CAM GOOD TORQUE AND MILEAGE										
CHEVROLET - GM LS V8 GEN III & IV, 3 BOLT, 1997 - Present, 1.7-1 Rocker Ratio										
MC315271	HYD	2	204 218	- -	.551 .548	120 115	800-5500	SMOOTH	2148	A
COMMENT: SIMILAR TO 2002-2004 LS6 CAM										
MC315944	HYD	3	218 227	- -	.523 .524	109 115	1500-6000	FAIR	2148	A
COMMENT: SIMILAR TO LS "HOT CAM"										
MC315945	HYD	4	225 236	- -	.525 .525	107 113	2000-6500	ROUGH	2148	A
COMMENT: SIMILAR TO ASA CAM										
CHEVROLET Small Block V8 1955-95 - Flat Tappet Cam / 262, 265, 267, 302, 305, 307, 327, 350, 400 C.I.										
MC2199	HYD	1	184 194	260 270	.368 .398	104 104	1000-3500	STOCK	817	
COMMENT: GOOD LOW END TORQUE AND MILEAGE										
MC2200	HYD	2	194 204	270 278	.398 .420	104 104	1500-4000	SMOOTH	817	C
COMMENT: GOOD FOR COMPUTER CONTROLLED ENGINES.										
MC2201	HYD	2	204 214	278 288	.420 .443	110 110	1500-4000	SMOOTH	817	C
COMMENT: TORQUE CAM GOOD FOR COMPUTER CONTROLLED ENGINES										
MC1730	HYD	2	204 214	278 288	.420 .433	107 117	1500-4000	SMOOTH	817	
COMMENT: TORQUE CAM STRONG TORQUE AND GOOD MILEAGE FOR 327 TO 400 C.I. LIKES HIGH AXLE RATIOS.										
MC2203	HYD	3	209 216	283 286	.435 .455	107 117	1500-4000	FAIR	817	
COMMENT: GOOD LOW END TORQUE AND PULLING POWER.										
MC2204	HYD	3	214 214	288 288	.443 .443	107 117	2000-4000	FAIR	817	
COMMENT: GOOD MARINE CAM.										
MC1988	HYD	3	214 224	288 298	.443 .465	107 117	2000-4500	FAIR	817	
COMMENT: GOOD LOW TO MID TORQUE. NOTICEABLE IDLE.										
MC1989	HYD	3	218 218	292 292	.458 .458	105 115	2000-4000	FAIR	817	
COMMENT: GOOD LOW TO MID TORQUE.										

A - REQUIRE COMPUTER MODIFICATIONS

C - PREFERRED CHOICE FOR COMPUTER CONTROLLED ENGINES.

D - MAY REQUIRE CONVERSION TO AN ADJUSTABLE VALVE TRAIN.

N - NOT COMPUTER COMPATIBLE

NEW NUMBERS SHOWN IN BOLD FACE TYPE

CAMSHAFT APPLICATION CHART (cont.)



PART #	MECH/ HYD	STAGE	DUR @ .050" INT EXH	ADV. DUR. INT EXH	VALVE LIFT INT EXH	LOBE SEP INT EXH	POWER RANGE	IDLE	LIFTER PART#	NOTES: COMMENTS BELOW PART #
CHEVROLET Small Block V8 1955-95 (Continued) Mechanical Flat Tappet Cams 262, 265, 267, 302, 305, 307, 327, 350, 400 C.I.										
MC1713	HYD	3	222 222	290 290	.447 .447	110 118	2000-4000	FAIR	817	
COMMENT: OEM #3863151, 350hp, L-79, 327										
MC5840	HYD	3	224 224	291 287	.450 .461	114 114	2000-4500	FAIR	817	
COMMENT: OEM #3896962, 350hp, L-82, LT-1										
MC1991	HYD	3	224 224	298 298	.465 .465	107 117	2000-5500	FAIR	817	
COMMENT: GOOD LOW TO MID TORQUE. BIGGEST CAM FOR USE W/ STOCK CONVERTER.										
MC5892	HYD	4	224 234	300 300	.465 .488	107 117	2000-5500	ROUGH	817	
COMMENT: GOOD MID TORQUE. 2200 + STALL CONVERTER.										
MC1993	HYD	4	230 230	287 287	.480 .480	106 110	2000-5000	ROUGH	817	
COMMENT: GOOD FOR STREET RODS WITH HIGH STALL CONVERTER										
MC1995	HYD	4	234 244	303 313	.488 .509	107 117	2500-6500	ROUGH	817	
COMMENT: STREET/STRIP MILD BRACKET RACING. 2800+ STALL CONVERTER.										
MC1996	HYD	5	244 244	318 318	.510 .510	106 112	3200-7000	VERY ROUGH	817	
COMMENT: GOOD FOR PRO, STREET, BRACKET, OVAL RACING. 3500 + STALL CONVERTER.										
MC5871	HYD	5	244 254	313 328	.510 .533	107 117	3500-7500	VERY ROUGH	817	
COMMENT: GOOD FOR PRO, STREET, BRACKET, OVAL RACING. 3500 + STALL CONVERTER.										
MC22402	MECH	4	240 250	282 290	.520 .520	104 108	2700-6200	LASH .022 INT .024 EXH ROUGH	992	N
COMMENT: LOPE.										
MC1612	MECH	5	254 254	295 295	.485 .485	110 118	3200-7500	LASH .030 INT .030 EXH VERY ROUGH	992	
COMMENT: HEAVY LOPE.										
MC5949	MECH	5	258 266	290 298	.538 .556	98 111	3600-7200	LASH .030 INT .030 EXH VERY ROUGH	992	
COMMENT: HEAVY LOPE.										
MC22450	MECH	5	264 274	309 319	.540 .563	108 115	3600-7200	LASH .024 INT .024 EXH VERY ROUGH	992	N
COMMENT: HEAVY LOPE.										
ROLLER CAMS FOR ENGINES ORIGINALLY EQUIPPED WITH ROLLER CAMS										
MC22129	HYD	2	198 210	273 288	.434 .462	108 116	Idle-4500	SMOOTH	2148	N
COMMENT: GOOD LOW END TORQUE AND GAS MILEAGE										
MC22131	HYD	2	210 215	288 284	.462 .470	106 114	600-4500	SMOOTH	2148	N
COMMENT: TORQUE CAM 1987-94 GOOD TORQUE AND MILEAGE										
MC22280	HYD	3	220 224	283 287	.495 .502	107 113	1800-5400	FAIR	2148	N
COMMENT: 1987-98 BIGGEST CAM FOR USE WITH STOCK CONVERTER										
MC22298	HYD	4	222 232	297 307	.479 .501	109 119	2000-5700	ROUGH	2148	N
COMMENT: 1987-99 GOOD FOR STREET RODS 2000+ STALL CONVERTER, REQUIRES BRONZE DISTRIBUTOR GEAR										
MC22397	HYD	4	234 238	296 300	.537 .546	107 117	2500-6000	ROUGH	2148	N
COMMENT: 1987-94 STREET/STRIP MILD BRACKET RACING 3000+ STALL CONVERTER										
RETRO-FIT HYDRAULIC ROLLER CAMS										
MC22135	HYD	2	206 214	266 274	.470 .490	108 116	1000-4500	SMOOTH	853-16	N
COMMENT: TORQUE CAM GOOD TORQUE AND GAS MILEAGE										
MC22238	HYD	3	210 215	288 284	.462 .470	106 114	1500-5300	FAIR	853-16	N
COMMENT: STREET PERFORMANCE, SLIGHT LOPE										
MC22237	HYD	3	215 224	284 296	.470 .490	108 116	1700-5200	FAIR	853-16	N
COMMENT: GOOD MID-RANGE, NOTICEABLE IDLE										
MC22136	HYD	3	215 230	284 310	.470 .480	106 114	1700-5500	FAIR	853-16	N
COMMENT: MID-RANGE POWER, NOTICEABLE IDLE										
MC22398	HYD	4	234 238	296 300	.538 .546	107 117	2500-6500	ROUGH	853-16	N
COMMENT: HIGH PERFORMANCE STREET & STRIP, NEEDS 3000 + STALL CONVERTOR										
MECHANICAL ROLLER CAMS										
MC11270	MECH	5	256 258	292 296	.604 .602	106 Centerline	3500-6700	ROUGH	AT6027RA	N
COMMENT: GOOD LOW END TORQUE AND GAS MILEAGE										

N - NOT COMPUTER COMPATIBLE

NEW NUMBERS SHOWN IN BOLD FACE TYPE

CAMSHAFT APPLICATION CHART (cont.)

PART #	MECH/ HYD	STAGE	DUR @ .050"		ADV. DUR.		VALVE LIFT		LOBE SEP		POWER RANGE	IDLE	LIFTER PART#	NOTES: COMMENTS BELOW PART #
			INT	EXH	INT	EXH	INT	EXH	INT	EXH				
CHEVROLET Big Block V8 1967-95 396, 402, 427, 454 C.I. / 1969-90 366 C.I. (CHAIN DRIVE) Hydraulic Flat Tappet Cams														
MC22127	HYD	2	190	202	260	272	.439	.464	106	114	Idle-4500	SMOOTH	817	
COMMENT: GOOD FUEL ECONOMY.														
MC2004	HYD	2	204	214	282	292	.476	.501	108	116	1500-4200	SMOOTH	817	
COMMENT: TORQUE CAM GOOD LOW AND MID RANGE TORQUE. GOOD FUEL ECONOMY.														
MC2006	HYD	3	214	214	292	292	.501	.501	109	119	2000-4000	FAIR	817	
COMMENT: TORQUE CAM GOOD LOW TO MID TORQUE.														
MC1737	HYD	3	214	224	292	302	.501	.527	108	116	2000-5500	FAIR	817	
COMMENT: GOOD LOW END TORQUE AND TOWING POWER.														
MC1636	HYD	4	222	235	306	322	.500	.505	110	120	1500-4000	ROUGH	817	
COMMENT: GOOD LOW TO MID TORQUE.														
MC1958	HYD	4	224	224	293	293	.510	.510	114	117	1500-4000	ROUGH	817	
COMMENT: GOOD MARINE CAMSHAFT														
MC2305	HYD	4	224	232	302	304	.527	.553	110	118	2500-6000	ROUGH	817	D
COMMENT: HIGH PERFORMANCE STREET, STRONG MID-RANGE.														
MC22471	HYD	5	240	246	305	311	.559	.572	110	114	3200-6700	VERY ROUGH	817	
COMMENT: GOOD FOR PRO, STREET, BRACKET, OVAL RACING. 3500+ STALL CONVERTER.														
MECHANICAL FLAT TAPPET CAMS														
MC22396	MECH	4	242	242	310	297	.508	.496	108	120	3200-7000	LASH .020 INT .024 EXH VERY ROUGH	992	N
COMMENT: STREET STRIP, 9.5:1 COMPRESSION, 3000 STALL CONVERTOR OR STICK, LOWER GEARS -GM #3904362														
MC11090	MECH	5	254	264	302	312	.587	.612	108 Centerline		3800-7000	LASH .022 INT .026 EXH VERY ROUGH	2279	N
COMMENT: STRIP, 3500 STALL CONVERTOR OR STICK, HEADERS, LOWER GEARS														
ROLLER CAMSHAFTS FOR ENGINES ORIGINALLY EQUIPPED WITH ROLLER CAMS														
MC22485	HYD	4	236	246	316	324	.561	.578	106	114	2600-6300	ROUGH	2279	N
COMMENT: STREET STRIP, 3500+ STALL CONVERTOR														
MC22480	HYD	5	241	246	305	310	.559	.572	110	114	2800-6200	VERY ROUGH	2279	N
COMMENT: SERIOUS STREET/STRIP 3000+ STALL CONVERTER														
RETRO-FIT HYDRAULIC ROLLER CAMS														
MC22141	HYD	2	216	228	288	300	.502	.510	108	116	1700-5200	SMOOTH	854-16	N
COMMENT: TORQUE CAM PERFORMANCE WITH GOOD MID-RANGE TORQUE														
MC22236	HYD	3	224	234	296	308	.527	.544	106	114	2200-5700	FAIR, SOME LOPE	854-16	N
COMMENT: PERFORMANCE STREET CAM, 9.5:1 COMPRESSION, 2000+ STALL CONVERTOR														
MECHANICAL ROLLER CAMS														
MC11370	MECH	5	246	246	288	288	.623	.623	110 Centerline		2200-6500	ROUGH	AT6028RA	
COMMENT: STEEL, REQUIRES BRONZE DISTRIBUTOR GEAR														
MC11350	MECH	5	261	271	296	306	.680	.680	108 Centerline		3500-6500	VERY ROUGH	AT6028RA	
COMMENT: STEEL, REQUIRES BRONZE DISTRIBUTOR GEAR														

D - MAY REQUIRE CONVERSION TO AN ADJUSTABLE VALVE TRAIN.
N - NOT COMPUTER COMPATIBLE



NEW NUMBERS SHOWN IN BOLD FACE TYPE

CAMSHAFT APPLICATION CHART (cont.)



PART #	MECH/ HYD	STAGE	DUR @ .050"		ADV. DUR.		VALVE LIFT		LOBE SEP		POWER RANGE	IDLE	LIFTER PART#	NOTES: COMMENTS BELOW PART #
			INT	EXH	INT	EXH	INT	EXH	INT	EXH				

CHRYSLER V8

1964-89 273, 340, 360 C.I. / 1967-89 318 C.I. (EXCEPT ROLLER LIFTERS) Hydraulic Flat Tappet Cams

MC1735	HYD	2	210	220	279	290	.429	.442	108	116	1500-4000	SMOOTH	2011	
COMMENT: TORQUE CAM STRONG LOW TO MID TORQUE. STRONG PULLING POWER. GOOD MILEAGE. CHRYSLER - #2899206 (275-340HP)														
MC3203	HYD	3	214	224	288	298	.443	.466	108	116	2000-4800	FAIR	2011	
COMMENT: GOOD LOW AND STRONG MID RANGE TORQUE														

CHRYSLER V8 1958-78

350, 361, 383, 400, 413, 426 (EXC HEMI), 440 C.I. / "B" ENGINE - USE WITH SINGLE BOLT GEAR Hydraulic Flat Tappet Cams

MC1787	HYD	2	204	214	278	288	.420	.443	107	117	1500-4000	SMOOTH	2011	
COMMENT: TORQUE CAM STRONG LOW TO MID RANGE TORQUE AND PULLING POWER.														
MC2032	HYD	3	224	224	289	289	.455	.455	107	117	2000-4500	FAIR	2011	E
COMMENT: GOOD LOW TO MIDDLE TORQUE.														
MC23302	HYD	4	236	236	302	302	.480	.480	108	108	2500-6000	ROUGH	2011	N
COMMENT: STREET & STRIP, NEEDS 9.5:1 COMPRESSION, 2500+ STALL CONVERTOR.														

FORD V8 1962-91

221, 255, 260, 289, 302 C.I. (EXCEPT 1982-85 302 H.O. & 302 C.I. W/HYD ROLLER LIFTERS) FIRING ORDER 1-5-4-2-6-3-7-8 Hydraulic Flat Tappet Cams

MC4120	HYD	2	190	202	258	271	.413	.437	106	114	1000-4000	SMOOTH	900	
COMMENT: GOOD LOW END TORQUE. GOOD FOR TOWING.														
MC1734	HYD	2	204	214	280	289	.448	.472	108	116	1500-4000	SMOOTH	900	G
COMMENT: TORQUE CAM STRONG LOW END TORQUE. GOOD FOR TOWING. GOOD MILEAGE.														
MC24212	HYD	2	218	218	298	298	.460	.460	106	120	1700-5200	FAIR	900	N
COMMENT: PERFORMANCE STREET CAM WITH MID-RANGE POWER, BEST WITH SLIGHTLY LOWER GEARS. FORD - #C90Z-6250-C (289-225HP)														
MC2057	HYD	3	214	224	290	300	.472	.496	108	116	2000-4500	FAIR	900	G
COMMENT: GOOD LOW AND MID RANGE TORQUE AND PULLING POWER.														
MC24305	HYD	4	227	234	298	302	.520	.520	107	117	2200-5400	ROUGH	900	N
COMMENT: GOOD STREET PERFORMANCE WITH 2500 STALL CONVERTOR, GOOD TORQUE														
MC2292	HYD	4	231	231	288	288	.512	.512	106	114	2500-5800	ROUGH	900	
COMMENT: STREET AND MILD BRACKET														

ROLLER CAMSHAFTS FOR ENGINES ORIGINALLY EQUIPPED WITH ROLLER CAMS

MC24226	HYD	3	212	222	289	299	.493	.510	107	117	1200-5000	FAIR	2205	N
COMMENT: WORKS WITH STOCK CONVERTER, GOOD STREET PERFORMANCE														
MC24280	HYD	3	220	223	286	292	.512	.512	109	115	2000-5500	FAIR	2005	N
COMMENT: STREET HOT ROD, BEST POWER ABOVE 3500, 1800+ STALL CONVERTER														
MC24227	HYD	4	222	232	299	309	.510	.534	107	117	2200-6200	ROUGH	2205	N
COMMENT: STREET/STRIP, 5 SPEED OR 2500+ STALL CONVERTER														

RETRO-FIT HYDRAULIC ROLLER CAMS

MC24110	HYD	2	210	211	292	282	.444	.444	116	115	1200-4600	SMOOTH	-	N
COMMENT: TORQUE CAM FOR STOCK ENGINE. GOOD ECONOMY AND TORQUE														
MC24214	HYD	3	219	219	285	285	.498	.498	110	110	1700-5300	FAIR	-	N
COMMENT: STREET CAM WITH GOOD HIGH END POWER AND TORQUE														

E - BASE CIRCLE SIZE OF CAMSHAFT IS SMALLER THAN STOCK SIZE. SPECIAL PUSH RODS OR ROCKER ARMS MAY BE REQUIRED TO KEEP GEOMETRY CORRECT AND AVOID DAMAGE.

G - THE BASE CIRCLE SIZE OF THE CAMSHAFT MAY REQUIRE CONVERSION TO AN ADJUSTABLE VALVE TRAIN.

N - NOT COMPUTER COMPATIBLE

CAMSHAFT THRUST PLATE

INCLUDES: COUNTERSUNK THRUST PLATE WITH 2 SCREWS

CAMSHAFT THRUST PLATE

PART #	APPLICATION
08-7820TPK	FORD SMALL BLOCK - WORKS WITH PART # 08-2003T-9, 08-2023T-9 AND 08-4751

CHRYSLER PERFORMANCE TIMING TENSIONER

The Engine Pro Tensioner replaces the "cam thrust plate" and works with all roller timing chains. It interchanges with Chrysler performance part # P5007709.

PART #	APPLICATION
08-9428	CHRYSLER V8 318, 340, 360 V8, 236 V6



NEW NUMBERS SHOWN IN BOLD FACE TYPE

CAMSHAFT APPLICATION CHART (cont.)

PART #	MECH/ HYD	STAGE	DUR @ .050"		ADV. DUR.		VALVE LIFT		LOBE SEP		POWER RANGE	IDLE	LIFTER PART#	NOTES: COMMENTS BELOW PART #
			INT	EXH	INT	EXH	INT	EXH	INT	EXH				
FORD V8 351W 1969-91														
302 C.I., H.O. 1982-85 (EXCEPT ROLLER LIFTERS) FIRING ORDER 1-3-7-2-6-5-4-8														
MC1775	HYD	2	204	214	280	290	.448	.472	107	117	1500-4000	SMOOTH	900	
COMMENT: TORQUE-CAM GOOD LOW AND MID RANGE TORQUE FOR TRUCKS AND TOWING.														
MC4225	HYD	3	219	219	308	308	.467	.467	107	119	2000-4000	FAIR	900	
COMMENT: GOOD LOW TO MID RANGE TORQUE.														
MC24211	HYD	4	224	234	300	304	.496	.502	107	117	2200-5400	ROUGH	900	
COMMENT: STREET PERFORMANCE. GOOD MID & HIGH END, 2500+ STALL CONVERTOR														
NOTE: THESE CAMSHAFTS CAN BE USED IN 221 THRU 302 C.I. ENGINES BY CHANGING TO FIRING ORDER 1-3-7-2-6-5-4-8.														
FORD V8 1970-82														
351C, 351M, 400 C.I.														
MC1733	HYD	2	204	214	282	292	.484	.510	106	118	1500-4000	SMOOTH	900	
COMMENT: TORQUE-CAM GOOD LOW AND MID RANGE TORQUE. GOOD FOR TOWING.														
MC24204	HYD	3	214	224	292	302	.510	.536	106	118	1700-5500	FAIR	900	
COMMENT: GOOD THROTTLE RESPONSE, GOOD MID-RANGE, 2200+ STALL CONVERTOR														
MECHANICAL FLAT TAPPET CAMS														
MC24401	HYD	5	224	254	292	301	.569	.589	104	108	3500-6700	VERY ROUGH	-	
COMMENT: STREET & STRIP, 10:1 COMP RATIO, 3500 STALL CONVERTOR														
FORD V8 1963-76														
352, 360, 390, 406, 410, 427, 428 C.I. 'FE' ENGINE														
MC1776	HYD	2	204	214	282	292	.484	.510	104	120	1500-4000	SMOOTH	2083	
COMMENT: TORQUE-CAM GOOD LOW END TORQUE. GOOD FOR TOWING.														
MC4205	HYD	3	214	224	292	302	.510	.536	104	120	2000-4500	FAIR	2083	
COMMENT: GOOD LOW AND STRONG MID-RANGE TORQUE														
FORD V8 1968-97														
370, 429, 460, 512 C.I.														
MC1732	HYD	2	204	214	282	292	.484	.512	107	117	1500-4000	SMOOTH	900	
COMMENT: TORQUE-CAM GOOD LOW END TORQUE. GOOD FOR TOWING.														
MC2311	HYD	3	214	224	292	302	.510	.536	107	117	2000-4800	FAIR	900	
COMMENT: STRONG LOW AND MID RANGE TORQUE. GOOD FOR HEAVY TOWING.														
MECHANICAL FLAT TAPPET CAMS														
MC24406	HYD	5	244	254	294	304	.588	.614	107	117	2800-6500	LASH .026 INT .026 EXH VERY ROUGH	-	
COMMENT: STREET & BRACKET, NEEDS 10:1:1 COMP & 3500 STALL CONVERTOR														
OLDSMOBILE V8 1967-85 (30 DEGREE BANK ANGLE)														
260, 307, 350, 400, 403, 425, 455 C.I.														
THESE CAMSHAFTS HAVE BASE CIRCLES .100" TO .150" SMALLER THAN THE STOCK CAMSHAFT. SINCE THESE ENGINES HAVE NON-ADJUSTABLE ROCKER ARMS, IT MAY BE NECESSARY TO USE LONGER PUSH RODS OR ADJUSTABLE PUSH RODS.														
MC1777	HYD	2	204	214	280	295	.448	.472	106	118	1500-4000	SMOOTH	951	D
COMMENT: TORQUE-CAM GOOD LOW END TORQUE AND PULLING POWER.														
MC2101	HYD	3	214	224	290	300	.472	.496	106	118	2000-4500	FAIR	951	D
COMMENT: GOOD LOW TO MID RANGE TORQUE. STOCK TORQUE CONVERTER.														
PONTIAC V8 1955-81														
265, 287, 301, 316, 326, 347, 350, 370, 389, 400, 421, 428, 455 C. I.														
MC1778	HYD	2	204	214	278	288	.420	.443	108	116	1500-4000	SMOOTH	951	
COMMENT: TORQUE-CAM GOOD LOW END TORQUE AND PULLING POWER. GOOD MILEAGE.														
MC1130	HYD	3	214	224	288	298	.443	.465	106	118	2000-4500	FAIR	951	
COMMENT: GOOD LOW AND MID RANGE TORQUE. GOOD MILEAGE. STRONG PULLING POWER.														

N - NOT COMPUTER COMPATIBLE