

New Improved Cam Core Technology

Description	Part Number	Lobe Center	Advertised Duration		Duration @ .050"		Gross Lift		Rec Kit
			Seat Intake	Seat Exhaust	Intake	Exhaust	Intake	Exhaust	
Subaru EJ20 (2003)	Stock	114°	248°	248°	208°	208°	.366"	.362"	Stock
STAGE 1 - Hotter Than Stock Street use with emphasis on bottom end and mid range power. Works with stock springs up to factory rev limiter. RPM Range: Idle to 7000+	62580-4	114°	256°	256°	216°	216°	.380"	.380" (9.65mm)	Stock
STAGE 2 - Mild Street/Strip Best cam choice for daily driver. Delivers excellent top end without loosing low end torque. Recommend spring kit #84185. RPM Range: 1000 to 7500+	62581-4	114°	264°	264°	220°	220°	.400"	.400" (10.16mm)	84185
STAGE 3 - 3/4 Race Designed for street/strip applications and features a slight lobe at idle and great top end power. Requires spring/retainer kit #84185. RPM Range: 1250 to 8000+	62582-4	114°	272°	272°	228°	228°	.406"	.406" (10.31mm)	84185
STAGE 4 - Full Race Drag Race and radical Street/Strip. Requires #84185 spring kit and compatible ECU upgrade for optimum results. Rough idle. RPM Range: 1500 to 8500+	62583-4	114°	280°	280°	234°	234°	.415"	.415" (10.55mm)	84185
CUSTOM GRIND - Crower can custom grind cams to your desired specs, also proprietary profiles available upon request.			Refer to page 7 for camshaft recommendation form						

If running EJ207, modifications are required to the cylinder head (AVCS) in order to run the above camshafts. Duration figures are taken at the lobe.

ENGINEERED COMPONENT KITS

Part No.	Springs	Retainers	Remarks
84185	68195-16	87085-16	Titanium retainer intended for race and street.
84185S	68195-16	87085S-16	Steel Retainer, for daily street use.

REMEMBER!

When installing new camshaft please remember that the contact surface of the follower must be free of wear/smooth surface.

Spring pressure:

68195-16 Seat: 1.420" @ 60 lbs / Nose: 1.000" @ 161 lbs / Coil bind: 0.860"
(No machine work required).

ACCESSORIES

Part No.	Description
97460I-8	Stainless steel valves - 36 mm head dia (8 only int)
97460E-8	Stainless steel valves - 32 mm head dia (8 only exh)
97461I-8	Stainless steel valves - 36.5 mm head dia (8 only int)
97461E-8	Stainless steel valves - 32.5 mm head dia (8 only exh)

Note: When ordering valves, be sure to specify one set int and one set exh.

STAINLESS STEEL VALVES

Made from the highest grade stainless steel, this new Crower valve is a must for high horsepower, high boost and high rpm applications. The exclusive "Pro Flo" head design delivers a significant increase in cylinder head flow figures, while the tip area is hardened to RC50, including past the critical keeper groove area for added strength. Fully CNC machined and swirl polished to insure that you will get the best performance valve available on the market. Available in standard, 1/2 mm and 1mm oversize. Titanium valves also available. Contact Crower for availability.

MAXI-LITE BILLET RODS

Crower's new Maxi-Lite billet is approximately 100 grams lighter than Crower's standard billet.

STEEL BILLET RODS

Designed for high boost and nitrous applications, Crower offers a wide variety of connecting rods for the Subaru engine platforms including the WRX-EJ20/STI-EJ257 (#B93766B-4). CNC machined from the highest grade, USA milled steel billet material, Crower connecting rods are the industry standard. Features 220,000 p.s.i. rod bolts standard and aluminum-bronze bushings standard.

WRX STI EJ25 2.5L - QUAD CAM (2004-up)

Note: These cams use .006" intake (cold), .008" exhaust valve lash (cold).

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Subaru EJ25 (2004 - up)	Stock	114°	248°	248°	208°	208°	.366"	.362"	Stock
STAGE 1 - Hotter Than Stock Street use with emphasis on bottom end and mid range power. Works with stock springs up to factory rev limiter. RPM Range: Idle to 6700+	62590-4	114°	256°	256°	216°	216°	.380"	.380" (9.65mm)	Stock
STAGE 2 - Mild Street/Strip Best cam choice for daily driver. Delivers excellent top end without loosing low end torque. Recommend spring kit #84185. RPM Range: 1000 to 7500+	62591-4	114°	264°	264°	220°	220°	.400"	.400" (10.16mm)	84185
STAGE 3 - 3/4 Race Designed for street/strip applications and features a slight lobe at idle and great top end power. Requires spring/retainer kit #84185. RPM Range: 1200 to 8000+	62592-4	114°	272°	272°	228°	228°	.406"	.406" (10.31mm)	84185
STAGE 4 - Full Race Drag Race and radical Street/Strip. Requires #84185 spring kit and compatible ECU upgrade for optimum results. Rough idle. RPM Range: 1400 to 8500+	62593-4	114°	280°	280°	234°	234°	.415"	.415" (10.55mm)	84185
CUSTOM GRIND - Crower can custom grind cams to your desired specs, also proprietary profiles available upon request.	Refer to page 7 for camshaft recommendation form								

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