

347 Stroker Engine Build — Specifications

Category	Specification
Build Name	347 SCAT 194165 / TFS 11R / XR282HR / TKX
Use	Street/Strip Naturally Aspirated
Fuel	93 Octane
Target Output	~420–450 hp / ~400–430 lb-ft
Rev Limit	~6200 rpm (MSD rev limit)
Firing Order	1-3-7-2-6-5-4-8
Displacement (ci)	347.0
Bore (in)	4.03
Stroke (in)	3.4
Rod Length (in)	5.4
Deck Clearance (in)	0.005
Chamber Volume (cc)	53.0
Piston Volume (cc)	5.0
Head Gasket (bore/thickness in)	4.155 / 0.042
Static Compression Ratio	11.5
Dynamic Compression Ratio	8.8
Balance (oz)	28.0
Flywheel Teeth	157
Quench (in)	0.047
Camshaft	COMP XR282HR (35-425-8): 230/236 @.050, .513/.529 lift, 110° LSA
Cylinder Heads	Trick Flow 11R 170 CNC (53cc chambers, 170cc runners)
Head Gasket	Cometic C5515-042 MLS (4.155 x 0.042)
Oil System	Melling M-68 pump + ARP 154-7901 shaft
Distributor	MSD 857931 Pro-Billet (small cap)
Distributor Gear	COMP Cams 435M Melonized (.531" MSD shaft)
Carburetor	Edelbrock VRS-4150 750 CFM (1307)
Transmission	Tremec TKX 5-Speed (.68 OD)
Bellhousing	LRS-6392A (TKO/TKX Bellhousing SBF)
Flywheel	McLeod 563100 Aluminum, 157T, 28 oz
Clutch Fork	Scott Drake C8OZ-7515-A
Throwout Bearing	McLeod 16505 (Self-aligning)
Pivot Stud	Dorman 14367 (Fixed, zinc plated)

Timing Pointer	MSD 89889 (10-11 o'clock style)
Tools	MSD Pro-Crimp Tool II
Notes	Street/strip NA build. MSD 6-series box; rev limit ~6200 rpm; Melling M-68 pump.