

KENNE BELL

The Cobra Eater

KENNE BELL Supercharged 4.6 Mustang GT

KENNE BELL 2V KIT vs STOCK COBRA +39HP @ 9 PSI +56HP @ 14 PSI

We've published several 2V vs. 4V supercharger comparisons, but many of our customers ask about how the 2V and 4V Mustangs compare in the 1/4 mile with the different combinations of superchargers and engines. The data was derived from Kenne Bell dyno tests. Every attempt was made to insure test accuracy so as to provide meaningful and useful comparative data to our customers. Cars were 100% stock except for cat back exhausts. For consistent comparisons, the "tune" was the same Kenne Bell aggressive 23° spark. AF ratio was 11.1.

1/4 MILE / PULLEY SIZE / BOOST / HP / TORQUE GUIDE

TEST	2V MUSTANG / KENNE BELL						4V COBRA / EATON					
	Boost	Horsepower		Torque		1/4 Mile		Horsepower		1/4 Mile		
		RW	E	RW	E	Drag	Radial	Min. ET	RW	E	Drag	Radial
1	0	245	288	292	343	96 / 15.1	(14.5)	-	-	-	-	-
2	6 ^①	351	412	366	430	108 / 12.7	(12.1)	-	-	-	-	-
3	9 ^①	405	476	427	502	113 / 12.2	(11.6)	366 ^①	430	108 / 12.7	(12.1)	
4	14 ^②	507	596	521	612	124 / 11.2	(10.6)	451 ^②	530	119 / 11.7	(11.1)	

Note: Stock MAF Meter is maxed out at 408HP. Use 90mm after 430HP. All dyno tests ran at 23° spark and 11.1 AF ratio. Leaner mixtures and additional spark advance will make more HP. We know that.

① Kenne Bell Mustang and Cobra/Eaton both 9 psi and 100% stock except for cat back exhaust.

② Kenne Bell Mustang and Cobra/Eaton both 14 psi with Cool Air Kit and cat back exhaust.

Note: Kenne Bell has same Cool Air Kit, 90mm meter as Cobra and 75mm Throttle Body/Big Tube Kit so inlet systems are comparable in size and flow. It wouldn't have been a fair comparison to use the 2V engines smaller 80mm meter, inlet tube and throttle body at this higher hp level.

③ "Minimum ET" is the best possible ET for the vehicle speed and represents maximum hook up or traction. Always look at 1/4 mile MPH for an accurate indicator of HP gains or losses. ET will vary with traction etc. MPH will not. Need proof? Take a vehicle that turns 13.0/100 and launch in 2nd gear. The ET may be 2-3 seconds slower but the speed will still be 100mph! "Minimum ET" can only be attained with slicks, some suspension work and good driving.

Clearly, the Kenne Bell supercharged 4.6 Mustang makes more power than the Cobra (405 vs. 366) in stock form and 507 vs. 451 with free flowing equivalent inlet systems at 14 psi. Lower gears will improve 1/4 mile times. Automatic trans cars will typically be .3 sec/3mph slower in the 1/4 mile. Headers and exhaust made only 8HP total on the Bullitt and GT we tested. We had hoped for more HP