2012 FORD MUSTANG BOSS 302 LAGUNA SECA TECHNICAL SPECIFICATIONS

Construction: Unitized welded steel body, aluminum hood Final assembly location: Flat Rock, Mich. POWERTRAIN AND CHASSIS ENCINE Type High-performance 5.0I. 4V TI-VCT V8 Manufacturing location Essex Engine, Windsor, Ontario Configuration Aluminum block and heads Intake manifold Composite shell-welded with runner pack Exhaust manifold Stainloss steel tubular headors Redline 7,500 rpm (est.) Valvetrain DOHC, 4 valves per cylinder, variable intake, variable camshaft timing Valve diameter/lift (mm) Intake 37/12, exhaust 31/11 TI-VCT operating range 50 degrees for both Intake and exhaust Pistons Forged aluminum Connecting rods Forged steel Ignition High-energy coli-on-plug Bore x stroke 3, 3, 4, 5, 6, 1/92, 2, 8, 92, 7 mm Displacement 302 cu. in./4,951 cc Compression ratio 11,0:1 (est.) Engine control system PCM Horsepower 440 (est.) Horsepower W440 (est.) Horsepower 9 liter 88 Torque 380 lbft. (est.) Recommended fuel 92 octane Fuel capacity 16 gallons Fuel delivery Sequential mechanical returnless Oil capacity Eight quarts with filter (10,000-mile service interval) PRIVETRAIN Layout Front engine / Rear-wheel drive TRANSMISSION Standard Six-speed manual Cear ratios 1 ^{rst} 3,666 2 ^{rst} 2,43 3 ^{rdt} 1,69 4 ^{rst} 1,32 5 ^{rst} 1,000 6 ^{rst} 0,656	BODY		
POWERTRAIN AND CHASSIS ENGINE Type High-performance 5.0L. 4V TI-VCT V8 Manufacturing location Essex Engine, Windsor, Ontario Configuration Aluminum block and heads Intake manifold Composite shell-welded with runner pack Exhaust manifold Stainless steel tubular headers Redline 7,500 rpm (est.) Valvetrain DOHC, 4 valves per eylinder, variable intake, variable camshaft timing Valvet diameter/lift (mm) Intake 37/12, exhaust 31/11 TI-VCT operating range 50 degrees for both intake and exhaust Pistons Forged aluminum Connecting rods Forged steel Ignition High-energy coll-on-plug Bore x stroke 3,63 x 3.65 in/92.2 x 92.7 mm Displacement 302 cu. in/4,951 cc Compression ratio 11.0-1 (est.) Engine control system PCM Horsepower 440 (est.) Horsepower 440 (est.) Horsepower per liter 88 Torque 380 lbft. (est.) Recommended fuel 92 octane Fuel capacity 16 gallons Fuel delivery Sequential mechanical returnless Oil capacity Eight quarts with filter (10,000-mile service interval) DRIVETRAIN Layout Front engine / Rear-wheel drive TRANSMISSION Standard Six-speed manual Gear ratios 1 th 3, 66 2 ^{rea} 2, 43 3 ^{rea} 1, 69 4 ^{rea} 1, 32 5 ^{rea} 1, 00	Construction: Unitized welded steel body, aluminum hood		
ENGINE Type High-performance 5.0L 4V TI-VCT V8 Manufacturing location Essex Engine, Windsor, Ontario Configuration Aluminum block and heads Intake manifold Composite shell-welded with runner pack Exhaust manifold Stainless steel tubular headers Redline 7,500 rpm (est.) Valvetrain DOHC, 4 valves per cylinder, variable intake, variable camshaft timing Valve diameter/lift (mm) Intake 37/12, exhaust 31/11 TI-VCT operating range 50 degrees for both intake and exhaust Pistons Forged aluminum Connecting rods Forged steel Ignition High-energy coil-on-plug Bore x stroke 3.63 x 3.65 in/92.2 x 92.7 mm Displacement 302 cu. in./4,951 cc Compression ratio 11.0-1 (est.) Engine control system PCM Horsepower 440 (est.) Horsepower per liter 88 Torque 380 lbft. (est.) Recommended fuel 92 octane Fuel delivery Sequential mechanical returnless Oil capacity Eight quarts with filter (10,000-mile service interval) DRIVETRAIN Engine Control Six-speed manual Gear ratios 11° 3.66 21° 21° 2.43 33° 1.69 41° 1.32 55° 1.00	Final assembly location: Flat Rock, Mich.		
Manufacturing location	POWERTRAIN AND CHASSIS		
Manufacturing location	ENGINE		
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Intake manifold Exhaust manifold Stainless steel tubular headers Redline 7,500 rpm (est.) Valvetrain DOHC, 4 valves per cylinder, variable intake, variable camshaft timing Valve diameter/lift (mm) Intake 37/12, exhaust 31/11 TI-VCT operating range 50 degrees for both intake and exhaust Pistons Forged aluminum Connecting rods Forged steel Iignition High-energy coil-on-plug Bore x stroke 3,63 x 3,65 in/92 2 x 92.7 mm Displacement 302 cu. in/4,951 cc Compression ratio 11.0:1 (est.) Engine control system PCM Horsepower 440 (est.) Horsepower per liter 88 Torque 380 lbft. (est.) Recommended fuel 92 octane Fuel capacity 16 gallons Fuel delivery Sequential mechanical returnless Oil capacity Eight quarts with filter (10,000-mile service interval) DRIVETRAIN Layout Front engine / Rear-wheel drive TRANSMISSION Standard Six-speed manual Gear ratios 1" 3,66 2 rd 2,43 3" 1,69 4" 1,32 5" 1,00	Manufacturing location	Essex Engine, Windsor, Ontario	
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Pistons Forged aluminum Connecting rods Forged steel Ignition High-energy coil-on-plug Bore x stroke 3.63 x 3.65 in/92.2 x 92.7 mm Displacement 302 cu. in./4,951 cc Compression ratio 11.0:1 (est.) Engine control system PCM Horsepower 440 (est.) Horsepower per liter 88 Torque 380 lbft. (est.) Recommended fuel 92 octane Fuel capacity 16 gallons Fuel delivery Sequential mechanical returnless Oil capacity Eight quarts with filter (10,000-mile service interval) DRIVETRAIN Layout Front engine / Rear-wheel drive TRANSMI SSI ON Standard Six-speed manual Gear ratios 1st 3.66 2nd 2.43 3rd 1.69 4th 1.32 5th 1.00	Valve diameter/lift (mm)	Intake 37/12, exhaust 31/11	
Connecting rods Forged steel Ignition High-energy coil-on-plug Bore x stroke 3.63 x 3.65 in/92.2 x 92.7 mm Displacement 302 cu. in./4,951 cc Compression ratio 11.0:1 (est.) Engine control system PCM Horsepower 440 (est.) Horsepower per liter 88 Torque 380 lbft. (est.) Recommended fuel 92 octane Fuel capacity 16 gallons Fuel delivery Sequential mechanical returnless Oil capacity Eight quarts with filter (10,000-mile service interval) DRIVETRAIN Layout Front engine / Rear-wheel drive TRANSMISSION Standard Six-speed manual Gear ratios 1st 3.66 2nd 2.43 3rd 1.69 4th 1.32 5th 1.00	Ti-VCT operating range	50 degrees for both intake and exhaust	
Ignition	Pistons	Forged aluminum	
Bore x stroke 3.63 x 3.65 in/92.2 x 92.7 mm	Connecting rods	Forged steel	
Displacement 302 cu. in./4,951 cc	Ignition	High-energy coil-on-plug	
Compression ratio 11.0:1 (est.) Engine control system PCM Horsepower 440 (est.) Horsepower per liter 88 Torque 380 lbft. (est.) Recommended fuel 92 octane Fuel capacity 16 gallons Fuel delivery Sequential mechanical returnless Oil capacity Eight quarts with filter (10,000-mile service interval) DRIVETRAIN Layout Front engine / Rear-wheel drive TRANSMISSION Standard Six-speed manual Gear ratios 1st 3.66 2nd 2.43 3rd 1.69 4th 1.32 5th 1.00	Bore x stroke	3.63 x 3.65 in/92.2 x 92.7 mm	
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Horsepower 440 (est.) Horsepower per liter 88 Torque 380 lbft. (est.) Recommended fuel 92 octane Fuel capacity 16 gallons Fuel delivery Sequential mechanical returnless Oil capacity Eight quarts with filter (10,000-mile service interval) DRIVETRAIN Layout Front engine / Rear-wheel drive TRANSMISSION Standard Six-speed manual Gear ratios 1st 3.66 2nd 2.43 3rd 1.69 4th 1.32 5th 1.00	Compression ratio	11.0:1 (est.)	
Horsepower per liter Torque 380 lbft. (est.) Recommended fuel 92 octane Fuel capacity 16 gallons Fuel delivery Sequential mechanical returnless Oil capacity Eight quarts with filter (10,000-mile service interval) DRIVETRAIN Layout Front engine / Rear-wheel drive TRANSMISSION Standard Six-speed manual Gear ratios 1st 3.66 2nd 2.43 3rd 4th 1.69 4th 1.32 5th 1.00	Engine control system	PCM	
Torque 380 lbft. (est.) Recommended fuel 92 octane Fuel capacity 16 gallons Fuel delivery Sequential mechanical returnless Oil capacity Eight quarts with filter (10,000-mile service interval) DRIVETRAIN Layout Front engine / Rear-wheel drive TRANSMISSION Standard Six-speed manual Gear ratios 1st 3.66 2nd 2.43 3rd 2.43 3rd 1.69 4th 1.32 5th 1.00	Horsepower	440 (est.)	
Recommended fuel Fuel capacity 16 gallons Fuel delivery Sequential mechanical returnless Oil capacity Eight quarts with filter (10,000-mile service interval) DRIVETRAIN Layout Front engine / Rear-wheel drive TRANSMISSION Standard Six-speed manual Gear ratios 1st 3.66 2nd 2.43 3rd 4th 1.69 4th 1.32 5th 1.00	Horsepower per liter	88	
Fuel capacity Fuel delivery Sequential mechanical returnless Oil capacity Eight quarts with filter (10,000-mile service interval) DRI VETRAIN Layout Front engine / Rear-wheel drive TRANSMI SSI ON Standard Six-speed manual Gear ratios 1st 3.66 2nd 2.43 3rd 4.69 4th 1.32 5th 1.00	Torque	380 lbft. (est.)	
Fuel delivery Sequential mechanical returnless Oil capacity Eight quarts with filter (10,000-mile service interval) DRIVETRAIN Layout Front engine / Rear-wheel drive TRANSMISSION Standard Six-speed manual Gear ratios 1st 3.66 2nd 2.43 3rd 1.69 4th 1.32 5th 1.00	Recommended fuel	92 octane	
Oil capacity Eight quarts with filter (10,000-mile service interval) DRIVETRAIN Layout Front engine / Rear-wheel drive TRANSMISSION Standard Six-speed manual Gear ratios 1st 2.43 3rd 1.69 4th 1.32 5th 1.00	Fuel capacity	16 gallons	
DRIVETRAIN Layout Front engine / Rear-wheel drive TRANSMISSION Standard Six-speed manual Gear ratios 3.66 2 nd 2.43 3 rd 1.69 4 th 1.32 5 th 1.00	Fuel delivery	Sequential mechanical returnless	
Layout Front engine / Rear-wheel drive TRANSMISSION Standard Six-speed manual Gear ratios 1st 3.66 2nd 2.43 3rd 1.69 4th 1.32 5th 1.00	Oil capacity	Eight quarts with filter (10,000-mile service interval)	
TRANSMISSION Standard Six-speed manual Gear ratios 3.66 2nd 2.43 3rd 1.69 4th 1.32 5th 1.00	DRIVETRAIN		
Standard Six-speed manual Gear ratios 1st 3.66 2nd 2.43 3rd 1.69 4th 1.32 5th 1.00	Layout	Front engine / Rear-wheel drive	
Gear ratios 1st 3.66 2nd 2.43 3rd 1.69 4th 1.32 5th 1.00	TRANSMISSION		
1st 3.66 2nd 2.43 3rd 1.69 4th 1.32 5th 1.00	Standard	Six-speed manual	
2 nd 2.43 3 rd 1.69 4 th 1.32 5 th 1.00	Gear ratios		
3 rd 1.69 4 th 1.32 5 th 1.00	1 st	3.66	
4 th 1.32 5 th 1.00	2 nd	2.43	
5 th 1.00	3 rd	1.69	
	4 th	1.32	
6 th 0.65	5 th	1.00	
	6 th	0.65	
Final drive 3.73:1	Final drive	3.73:1	

2012 FORD MUSTANG BOSS 302 LAGUNA SECA TECHNICAL SPECIFICATIONS

SUSPENSION	
Front	Independent MacPherson strut with Reverse-L lower control arm, 34.6 mm tubular stabilizer bar, strut tower brace, adjustable strut damping
Rear	3-link solid axle with Torsen limited-slip differential, coil springs, Panhard bar, 26.0 mm stabilizer bar, body X-brace and adjustable shock damping
STEERING	
Туре	Rack-and-pinion with electric power-assisted steering (EPAS)
Ratio	15.9:1
Turning circle curb-to-curb	39.4 ft. (est.)
BRAKES	
Type	Four-wheel power disc brakes with 4-sensor, 4-channel anti-lock braking system (ABS), low expansion brake hoses
Front	355 mm (14 in) x 36 mm vented discs, Four-piston Brembo 43 mm floating aluminum calipers
Rear	300 mm (11.8 in) x 19 mm vented discs, single-piston 43 mm floating iron calipers
TIRE AND WHEELS (type, size)	
Standard	255/40ZR-19 Pirelli Corsa, 285/35ZR-19 Pirelli Corsa 19 x 9-in., 19 x 10-in. machined lightweight aluminum wheels
DIMENSIONS (inches unless other	erwise noted)
EXTERIOR	
Wheelbase	107.1
Overall length	188.1
Overall width	73.9
Overall height	55.1
Track, front/rear	61.9/62.5
INTERIOR	
Seating capacity	2
Front headroom	38.5
Front legroom	42.4
Front shoulder room	55.3
Front hip room	53.4
WEIGHTS AND CAPACITIES	
SAE passenger volume	52.4 cu. ft.
Cargo volume	13.4 cu. ft.
Maximum towing capacity	Not available
FUEL ECONOMY (city/highway)	
Six-speed manual	17/26 mpg
BASE CURB WEIGHT (pounds)	
Manual transmission	3,636 (est.)
Weight distribution (f/r)	55/45 (est.)

Specifications subject to change without prior notification