

Ford 3.5-liter EcoBoost® V6 Engine Comparison

Application	Production, 2014 Ford Taurus SHO	Racing, TUDOR USCC
Configuration	60-degree V6	60-degree V6
Material	aluminum heads, aluminum block with molded-in steel cylinder liners	aluminum heads, aluminum block with molded-in steel cylinder liners
Bore x stroke	92.5 x 86.7 mm	92.5 x 86.7 mm
Crankshaft	forged steel	forged steel
Connecting rods	forged steel	forged steel
Pistons	high-temperature aluminum alloy, 3 rings	high-temperature aluminum alloy, 3 rings
Displacement	3,496 cc	3,496 cc
Forced induction	twin Garrett GT15 turbochargers	twin B/W EFR 62/58 turbos
Valvetrain	DOHC, 4 valves per cylinder, twin independent variable camshaft timing	DOHC, 4 valves per cylinder, variable camshaft timing locked out in USCC series
Valve sizes	intake 37 mm; exhaust 31 mm	intake 37 mm; exhaust 31 mm
Compression ratio	10.0:1	10.0:1
Fuel delivery	high-pressure direct injection	high-pressure direct injection (x2)
Horsepower	365 @ 5,500 rpm	600 @ 7300 rpm (570 hp/7400 post-*BoP)
Torque	350 lb.-ft. @ 1,500-5,000 rpm	540 @ 5600
Max. engine speed	6,700 rpm	7,500 rpm
Fuel	Regular unleaded gasoline, 87-octane (premium provides improved performance)	VP fuels - IMSA 100 E10 gasoline
Fuel capacity	19 gallons	20 gallons
Engine oil system	Wet sump, 6.0-quart capacity	Dry sump 12-quart capacity

Bold: Common parts. Cam drive, gaskets and valve springs are also common.

*: Balance of Power. IMSA-mandated.