



Tuned one-piece composite intake manifold

Direct-acting mechanical bucket (DAMB) valvetrain using polished buckets to reduce friction for improved fuel economy

Twin independent variable camshaft timing (Ti-VCT)

Direct-injection fuel system with high-pressure fuel pump

Optimized RWD cooling system

Die-cast cylinder block

Cast exhaust manifolds

Twin turbochargers

Piston with steel-ring carrier and piston-cooling jets

Six-bolt press-fit main bearing caps

Forged-steel crankshaft

Die-cast aluminum deep-sump oil pan

EcoBoost technology joins F-150 lineup

The 3.5-liter EcoBoost™ engine specially tuned for truck application joins the revamped powertrain lineup for the 2011 Ford F-150. This engine incorporates established heavy-duty truck diesel engine technologies of turbocharging and direct fuel injection in a gasoline engine. This new EcoBoost delivers 90 percent peak torque at 2,000 rpm and continues across a wide rpm band, making it ideally suited for trailer towing and other truck applications. The rigid testing protocol for this engine was developed from the profile of the harshest-use F-150 customer. This profile was used as the baseline for extensive computer analysis, which was then backed by hardware tests and in-vehicle validation. All tests together replicate more than 1.6 million miles of customer use.

NEW 2011 F-150 3.5-LITER ECOBOOST



✓	Maximum trailer tow	11,300 pounds
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