



## FORD COMPONENT SALES, LLC

# Ford 2.3L EcoBoost Engine

### Technical Specifications

Engine Type: 2.3L EcoBoost

Block / Head: Aluminum / Aluminum

Bore x Stroke (in): 3.45 x 3.7

Displacement (liters / cu. in):  
2.3 / 140

Compression Ratio: 9.5:1

Fuel Injection: Direct Injection

Induction: Single twin-scroll  
turbocharger

Fuel Requirement (octane):  
87 (min.) / 91+ (rec.)

Exhaust Manifolds: 3-port integrated  
into aluminum head

Power (HP @ RPM): 310 @ 5500

Torque (lb.-ft @ RPM): 350 @ 3000

Oil Capacity / Spec:  
6 qts / SAE 5W-30

Weight (lbs.): 311

Dimensions (mm) H x W x L:  
746 x 665 x 643



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# Ford 2.3L EcoBoost Engine

## Key Features & Benefits

Overboost feature to increase torque output

Delivers a broad, flat torque curve with maximum torque through the powerband for sustained acceleration

Aluminum engine block and cylinder head help reduce weight to aid operating efficiency

High-pressure die-cast aluminum block with ladder-frame bearing caps is strong, yet lightweight

Dual overhead camshaft (DOHC), lightweight aluminum cylinder head with 4 valves per cylinder

Electronic throttle body

Compression ratio of 9.5:1

Over 20 psi of boost available

Integrated exhaust manifold places the turbocharger closer to the exhaust ports for enhanced responsiveness

Balance shaft provides smooth operation at all speeds

Split cooling system with 2 thermostats manages coolant flow during cold start, only allowing flow through the hot side of the cylinder head and

integrated manifold until the coolant has reached 72° F

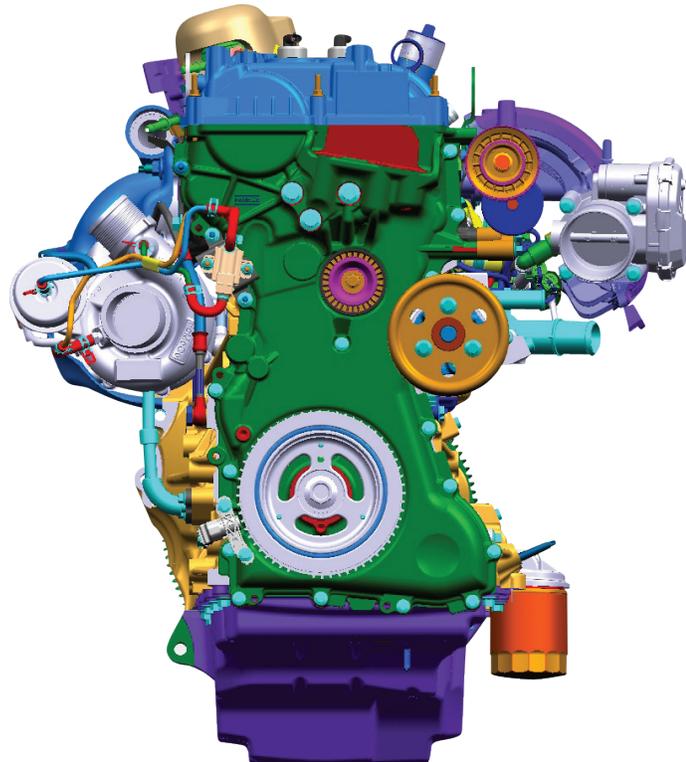
Die-cast aluminum deep-sump oil pan

- Internal baffle system helps maintain oil delivery during spirited driving

Optimized oil pan capacity to provide up to 1-year/10,000-mile oil change intervals

Gasoline direct-injection

Uses a timing chain



Specifications, features, and benefits applicable to engines and transmissions are based on Ford products, and may vary with different applications. Pictures and details shown are for illustrative purposes only (actual product may vary). Additionally, the availability of the product(s) described herein may vary. Contact Ford Component Sales, LLC for details.