



2011 Ford Edge

Staying on the fast track for improved fuel economy

The Ford Edge midsize crossover has been a hit from the very start – customers made Edge the No. 1-selling vehicle in the segment in its first full year on the market. More than 380,000 have been sold since launch in late 2006. Throughout its history, the Ford Edge has seen consistent fuel economy gains. The 2011 Ford Edge SEL and Limited are rated at 19 mpg city and 27 mpg highway, unsurpassed in its class (front-wheel drive). Here's a look at where fuel economy gains were made on the 2011 Ford Edge:

Engine improvements The 2011 Ford Edge is powered by a 3.5-liter V6 engine with twin independent variable camshaft timing (Ti-VCT). This technology allows on-the-fly adjustment to the engine's airflow for maximum efficiency.

Friction is reduced by piston-cooling jets and polished valvetrain buckets. Both the intake manifold and cylinder heads have been optimized for improved airflow and efficiency. Idle speed was reduced from 620 to 600 rpm.

Aggressive deceleration fuel shutoff
This strategy shuts off fuel during deceleration, such as when approaching a traffic light.

Battery management
The system allows the battery to be charged or discharged at optimal times instead of allowing the alternator to continuously charge the battery.

Aerodynamic improvements
The grille openings were optimized to reduce excess airflow to the engine compartment. Underbody shielding and tire spoilers have been added to help create a more efficient aerodynamic shape.

Variable-displacement steering pump Unlike a conventional hydraulic pump, which draws constant power from the engine whenever it is running, this system varies the amount of steering assist based on engine speed, anticipating the driver's need for steering assist.

