



Mazda Sky-G and Sky-D Engines, Fuel-Efficient

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San Antonio, TX (Vocus/PRWEB) January 04, 2011 -- Now is the best time to stop in and take a look at Mazda's selection of fuel-efficient vehicles at Ingram Park Mazda, San Antonio area's premier [Mazda dealer](#). As fuel economy regulations become stricter across the globe, car manufacturers are making the changes that are necessary to meet these standards. With that said, Mazda will launch a new line of 4-cylinder engines called the Sky-G for gasoline and Sky-D for diesel.

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Many different parts and concepts had to be developed for Mazda to make these engines perform. To get more work out of the engine, engineers increased the compression ratio from 11:1 to 14:1 in the 2.0 liter. This causes the engine to overheat, but Mazda developed a long exhaust header that prevents the exhaust gas from going back into the next cylinder's stroke. The engine uses 0W20 oil.

The current engine will need premium gas to run, but Mazda is developing a US version that will be able to run on regular gas. For them to be able to do this, they had to decrease the engine's compression ratio to 13:1 instead of 14:1, which means that fuel economy will drop by a few percent.

The Sky-D engine is even more impressive than the gasoline counterpart. Mazda has increased fuel economy by 20% from their current diesel engine and it meets United States emission standards. On the diesel engine, the auto maker had to decrease the compression ratio as opposed to increasing it on the gasoline version. The Sky-D is planned to launch in the US in 2012.

Mazda's dedication to developing new technology for their vehicles that meet today's environmental standards is one of the keys to their success. Ingram Park Mazda, the best Mazda dealership in the San Antonio area, currently has the full line of Mazda cars and SUVs. They are committed to providing you with high quality service.

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