

# 3ur fe engine

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### 3UR-FE Engine: A Comprehensive Q&A

**Q: What vehicles is the 3UR-FE engine commonly found in?** A: The 3UR-FE engine is a large V8 engine manufactured by Toyota Motor Corporation. It is found in a variety of Toyota and Lexus vehicles, including the Toyota Land Cruiser, Sequoia, and Tundra, as well as the Lexus GX, LX, and LS.

**Q: What is the displacement and power output of the 3UR-FE engine?** A: The 3UR-FE engine has a displacement of 4.6 liters and produces a maximum power output of 310 horsepower at 5600 RPM and a maximum torque output of 327 lb-ft at 3400 RPM.

**Q: What are some of the key features of the 3UR-FE engine?** A: The 3UR-FE engine features a number of advanced technologies, including a dual overhead camshaft design, variable valve timing, and a high-pressure fuel injection system. These technologies contribute to increased power, efficiency, and emissions reduction.

**Q: What is the expected fuel economy of a vehicle powered by the 3UR-FE engine?** A: The fuel economy of a vehicle powered by the 3UR-FE engine will vary depending on the specific vehicle, its weight, and driving conditions. However, as a general guide, the Toyota Land Cruiser with the 3UR-FE engine has an EPA-estimated fuel economy rating of 13 mpg in the city and 18 mpg on the highway.

**Q: Are there any common issues or concerns associated with the 3UR-FE engine?** A: While the 3UR-FE engine is generally considered reliable, there have been some reported issues with piston ring wear in early production models. This issue was addressed by Toyota with a revised piston design in 2009. Additionally,

some owners have reported problems with the Variable Valve Timing (VVT) system, which can cause a loss of power or poor fuel economy.

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