

2nz fe engine specifications

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2NZ-FE Engine Specifications: A Comprehensive Guide

The 2NZ-FE is a 1.3-liter inline four-cylinder engine developed by Toyota Motor Corporation. It was first introduced in 2000 and has since been used in various Toyota and Scion models. Here are some frequently asked questions and answers about the 2NZ-FE engine:

1. What are the basic specifications of the 2NZ-FE engine?

- Displacement: 1.33 liters (1,332 cc)
- Configuration: Inline four-cylinder
- Bore x Stroke: 71 mm x 84.7 mm
- Compression Ratio: 10.5:1
- Power Output: 84 horsepower (62 kW) at 6,000 rpm
- Torque Output: 123 Nm (91 lb-ft) at 4,200 rpm

2. Which Toyota and Scion models use the 2NZ-FE engine?

Over the years, the 2NZ-FE engine has been used in the following Toyota and Scion models:

- Toyota Belta (Yaris Sedan)
- Toyota Yaris
- Scion xA
- Scion xD

3. What is the life expectancy of the 2NZ-FE engine?

With proper maintenance and regular servicing, the 2NZ-FE engine can typically last between 200,000 and 250,000 miles before major repairs are required.

4. Are there any common problems associated with the 2NZ-FE engine?

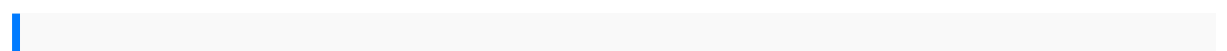
Like any engine, the 2NZ-FE can experience certain issues. Some common problems include:

- Oil consumption: In early models, excessive oil consumption was reported.
- Valve cover gasket leaks: The valve cover gasket may fail, causing oil leaks.
- Timing chain tensioner noise: The timing chain tensioner can wear out, producing a rattling noise.

5. What kind of maintenance is required for the 2NZ-FE engine?

To ensure optimal performance and longevity, the 2NZ-FE engine requires regular maintenance. This includes:

- Regular oil changes and filter replacements
- Timing belt replacement (5 years or 90,000 miles)
- Spark plug replacements
- Air filter replacements
- Coolant flushes
- Transmission fluid changes



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