

2tr fe engine

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2TR-FE Engine: A Comprehensive Overview

The 2TR-FE engine is a reliable and powerful four-cylinder automotive engine developed by Toyota. Introduced in 2003, it has been used in a wide range of Toyota and Scion vehicles over the years.

What is the 2TR-FE engine?

The 2TR-FE is a 2.7-liter inline-four gasoline engine with a cast-iron block and aluminum cylinder heads. It features dual overhead camshafts (DOHC) and four valves per cylinder for improved airflow and efficiency.

What are the key specifications of the 2TR-FE engine?

- Displacement: 2.7 liters (2,694 cc)
- Bore and stroke: 95.0 mm × 95.0 mm
- Compression ratio: 10.0:1
- Maximum horsepower: 159 hp @ 5,200 rpm
- Maximum torque: 180 lb-ft @ 3,800 rpm

What vehicles use the 2TR-FE engine?

The 2TR-FE engine has been used in numerous Toyota and Scion vehicles, including:

- Toyota Tacoma (2005-present)
- Toyota 4Runner (2004-2023)

- Toyota Prado (2003-present)
- Toyota Fortuner (2005-present)
- Scion tC (2005-2010)

What are the advantages of the 2TR-FE engine?

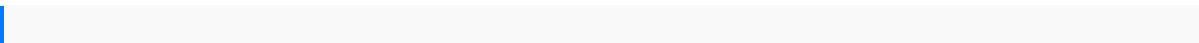
The 2TR-FE engine offers several advantages, such as:

- Good fuel economy for its size
- Dependable and long-lasting
- Smooth and refined operation
- Adequate power for most applications

What are the limitations of the 2TR-FE engine?

Despite its many strengths, the 2TR-FE engine has some limitations:

- Relatively low horsepower compared to some competitors
- Limited towing capacity for larger vehicles



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