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The 1NZ-FE is a 1.5 L (1,497 cc) conventional Otto-cycle variant of the 1NZ-FXE with VVT-i. The engine block is found in many Toyota models assembled in Japan and Asian countries. It retains the same bore and stroke, but the compression ratio is lowered to 10.5:1.

Toyota NZ engine - Wikipedia

The Toyota 1NZ-FE is a 1.5 L (1,497 cc, 91.35 cu-in) straight-four 4-stroke natural aspirated gasoline engine from Toyota NZ-family. The 1NZ-FE engine was manufactured on Kamigo Plant since 1999. The 1NZ-FE engine features a lightweight aluminum block and aluminum cylinder head with two overhead camshafts (DOHC) and four valves per cylinder (16 in total).

Toyota 1NZ-FE (1.5 L) engine:

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review and specs, service data

Toyota 1NZ engine modifications and differences. 1. The 1NZ-FE model (2000 - present) is a basic motor. It has 10.5 compression ratio, 109 HP power at 6,000 rpm, and a torque of 141 Nm (103 lb•ft) at 4,200 rpm. 2. The 1NZ-FXE model (1997 - present) is a type designated for hybrid engine automobiles.

Toyota 1NZ-FE Engine | Reliability, tuning, supercharger

The 1NZ-FE is a 1.5-liter four-cylinder gasoline engine, a conventional Otto cycle version of the 1NZ-FXE used in the XW10 Prius. This small 1.5L engine was used in a big variety of cars - Toyota Yaris/Echo, Toyota Auris, Toyota Probox, Scion xB, and other compact sedans, hatchbacks produced by Toyota and primarily sold in Japan and Asian countries.

Toyota 1NZ-FE/FXE 1.5L Engine specs, problems, reliability ...

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Page 1 1NZ-FE ENGINE JDESCRIPTION

The 1NZ-FE engine is a in-line, 4-cylinder, 1.5 liter, 16-valve DOHC engine. The VVT-i (Variable Valve Timing-intelligent) system, DIS (Direct Ignition System) and ETCS-i (Electronic Throttle Control System-intelligent) are used on this engine in order to realize high performance, quietness, fuel economy and clean emission.

TOYOTA 1NZ-FE USER MANUAL Pdf Download | ManualsLib

The 1NZ-FE engine is a transverse powertrain designed for front-wheel drive passenger cars. It is an in-line, 4-cylinder, sequential fuel injection engine equipped with a twin-shaft overhead gas distribution (DOHC). The mechanism is driven by a narrow single-row roller chain with an 8 mm pitch between the links.

Toyota 1NZ-FE/FXE 1.5L Best Specs, Problems & Reliability

Toyota 1NZ-FE is a 1.5 L (1,497 cc,

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91.35 cu-in) inline-four four-stroke naturally aspirated gasoline engine, production of which was launched in 1999 at Kamigo Plant. It keeps block of aluminum and cylinder head featuring double overhead camshaft and 4 valves for every cylinder.

Toyota 1NZ-FE Engine Problems and Specs | Engineswork

Toyota's 1NZ-FE was a 1.5-litre four-cylinder petrol engine that was first introduced in the XP10 Echo. A member of Toyota's 'NZ' engine family, the 1NZ-FE was related to the Atkinson-cycle 1NZ-FXE that was introduced in the XW10 Prius, but differed in that had: A conventional Otto cycle; A compression ratio of 10.5:1; and, A 6400 rpm redline.

1NZ-FE Toyota engine - AustralianCar.Reviews

The 1NZ-FXE is the earliest 1.5 L (1496 cm³) version built in Japan. Bore is 75 mm and stroke is 84.7 mm. It features forged steel connecting rods and an

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aluminum intake manifold. The engine has a high physical compression ratio of 13.0:1, but the inlet valve closing is retarded.

Toyota NZ engine - Toyota Wiki

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The 1NZ-FE-powered Echo was built from 2000 to 2005 and used in a host of other vehicles in Japan and Asia. In 2004, two other 1NZ-FE-powered cars sprung up: the boxy Scion xB and wedge-shaped Scion xA. While not

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powerhouses, they didn't require much momentum to get moving, and the 1NZ-FE was a fine engine choice.

The Venerable Toyota 1NZ-FE: Old. Reliable. Tunable ...

This engine was introduced in 1999 and has won several awards since, including a series of International Engine of the Year awards from 2000 onwards. The 1NZ-FXE appears in the Prius and Prius c. The 1NZ-FE is the low-compression, 1.5-liter Otto cycle variant of the 1NZ-FXE with 107 horsepower and 103 lb-ft of torque.

Information About The Toyota NR and NZ Series Engines ...

1NZ-FE type'99 (1.5 EFI VVT) - transverse, with traditional multipoint injection, for initially FF cars. Note - the models initially received type'99, was equipped with it until production end, even after appearing of type'03 (exception - Corolla NZE121).

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Toyota NZ series engines

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Specifications ...

[Used]Engine & Transmission TOYOTA 1NZ-FE - BE FORWARD ...

Toyota described the 1NZ-FXE engine as having an "Atkinson cycle" since the compression stroke is shortened and the expansion stroke longer. The engine has a high physical compression ratio of 13.0:1, but the closing of the inlet valve is delayed, for an effective compression ratio of 9.5:1 Cylinder bore and piston stroke are 75.0 mm (2.95 in) and 84.7 mm (3.34 in), respectively.

Toyota 1NZ-FXE (1.5 L) hybrid

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engine: review and specs ...

2001 Toyota Prius 1.5L. Fuel injectors (located under the air cleaner assembly) Mass airflow sensor (MAF) Camshaft position sensor (CMP) Oil pressure switch; Knock sensor (KS) Crankshaft position sensor (CKP) underneath the vehicle near the crankshaft pulley; Engine coolant temperature sensor (ECT) Throttle positions sensor (TP) Camshaft oil ...

Toyota 1NZ-FXE Engine Sensor Locations - TroubleCodes.net

The new 1NR-VE engine was improvised by Daihatsu for the Toyota Avanza and Daihatsu Xenia, and then later used by Perodua for the Perodua Bezza, which is based on the 1.3-liter 1NR-FE. It has ECE fuel consumption figures of 21.7 km/L (4.6 L/100 km; 51 mpg -US ; 61 mpg -imp) for the manual variant and 21 km/L (4.8 L/100 km; 49 mpg -US ; 59 mpg -imp) for the automatic.

Toyota NR engine - Wikipedia

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Toyota's 1NZ-FXE was a 1.5-litre four-cylinder petrol engine that was first introduced in the XW10 Prius. Toyota described the 1NZ-FXE engine as having an 'Atkinson cycle' since the compression stroke was shortened and the expansion stroke made longer. A member of Toyota's 'NZ' engine family, the 1NZ-FXE was closely related to the Otto cycle 1NZ-FE ...

1NZ-FXE Toyota engine - AustralianCar.Reviews

Toyota Repair manuals English 9.9 MB
1NZ-FE ENGINE. EM 8 1NZ FE ENGINE
MECHANICAL DRIVE BELT INSTALLATION
1. INSTALL VANE PUMP V BELT a
Temporarily install the belt on each pulley.

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