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The Toyota ZZ engine family is a straight-4 piston engine series. The ZZ series uses a die-cast aluminum engine block with thin press-fit cast iron cylinder liners, and aluminum DOHC 4-valve cylinder heads. The camshafts are chain-driven. The two 1.8 L members of the family, the 1ZZ and 2ZZ, use different bore and stroke. The former was optimized for economy, with torque emphasized in lower ...

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1ZZ-FE 1.8L Problems And Reliability. The main problems for 1ZZ-FE owners is the increased consumption of oil. This was applied to engines manufactured before 2002. The problem was resolved by replacing the oil scraper ring with a ring manufactured after 2005, when the oil consumption problem of this engine was resolved.

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Toyota 3ZZ-FE engine reliability, problems and repair In 2000 a 3ZZ-FE engine being the next generation after Toyota 4A was introducedThe 3ZZ motor was a younger model of the 1ZZ and 2ZZ types It was developed out of the 1ZZ-FE model having a crankshaft with a 815 mm decreased piston stroke installed inside the cylinder block 1zz Fe Engine Oil ...

## **Toyota ZZ engine - Wikipedia**

The Toyota 3ZZ-FE is a 1.6 l (1,598 cc, 97.52 cu-in) straight-four 4-stroke natural aspirated gasoline engine from Toyota ZZ-family.. The 3ZZ-FE engine features a die-cast aluminum engine block with thin press-fit cast iron cylinder liners and aluminum cylinder head with two overhead camshafts (DOHC) and four valves per cylinder (16 in total).

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- At the end of the ZZ career, another structural defect of pre-2008 3ZZ-FE and 4ZZ-FE was discovered - a knock in the engine caused by crankshaft axial play. Prescription: replacement of the crankshaft with bearings and thrust washers. The other points are common Toyota's operational "features".

## **1ZZ-FE 1.8L Engine Best Review Specs Problems & Reliability**

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