

3ur Fe Engine

Toyota UR engine

*(UVF45/UVF46) 2018-present Toyota Century (UWG60)
The 3UR-FE is a 5.7-litre (5,663 cc) engine designed for use in the Toyota Tundra, Sequoia, Land Cruiser*

The Toyota UR engine family is a 32-valve dual overhead camshaft V8 piston engine series which was first introduced in 2006, as the UZ series it replaced began phasing out. Production started with the 1UR-FSE engine with D-4S direct injection for the 2007 Lexus LS. The series launched with a die-cast aluminum engine block, aluminum cylinder heads and magnesium cylinder head covers. All UR engines feature variable valve timing for both intake and exhaust cams or Dual VVT-i. Timing chains are used to drive the camshafts. The UR engine has been produced in 4.6, 5.0, and 5.7-liter displacement versions.

Toyota UZ engine

*cast aluminum intake manifold. For 2010, it was replaced by the 1UR-FE or 3UR-FE, depending on the country.
Applications (calendar years): 2002-2004 Lexus*

The Toyota UZ engine family is a gasoline fueled 32-valve quad-camshaft V8 piston engine series used in Toyota's luxury offerings and sport utility vehicles. Three variants have been produced: the 1UZ-FE, 2UZ-FE, and 3UZ-FE. Production spanned 24 years, from 1989 to mid 2013, ending with the final production of the 3UZ-FE-powered Toyota Crown Majesta I-FOUR. Toyota's UZ engine family was replaced by the UR engine family.

Toyota Motor Manufacturing Alabama

2TR-FE I4 (2005-2023) for Tacoma 1GR-FE V6

(2005–2015) for Tacoma 2GR-FE V6 (2013–2019) for Highlander 1UR-FE V8 (2008–2019) for Tundra and Sequoia 3UR-FE

Toyota Motor Manufacturing Alabama (TMMAL) manufactures engines for cars and trucks near Huntsville, Alabama, United States. It is a subsidiary of Toyota Motor North America, itself a subsidiary of Toyota Motor Corporation of Japan. Construction of the factory was completed in 2003.

Acoustic Control Induction System

5E-FHE 1G-FE (VVT-i) 1GR-FE (Single VVT-i variants only) 1GZ-FE 2JZ-GE 7M-GE 3S-GE 1S-iLu 1MZ-FE 3UR-FE 1UZ-FE (VVT-i) 3VZ-FE T-VIS Lexus ACIS "Engine Details";

Acoustic Control Induction System, or ACIS, is an implementation of a variable-length intake manifold system designed by Toyota.

Simply put, the ACIS system uses a single intake air control valve located in the intake to vary the length of the intake tract in order to optimize power and torque, as well as provide better fuel efficiency and reduce intake "roar".

The engine control unit (ECU) controls the position of one or more air control valves based on input signals from throttle angle and engine RPM. The vacuum switching valve (VSV) which controls the vacuum supply to the actuator is normally closed and passes vacuum to the actuator when it is energized by the ECU. By energizing the VSV vacuum is passed to the actuator, closing the air control valve. This effectively lengthens the intake...

List of Toyota engines

E.g. 1MZ-FE – This is not a supercharged, narrow angle, fuel injected M-series engine, but a narrow angle, fuel injected MZ-series engine. Confusion

This is a list of piston engines developed, independently or with other car companies, by Toyota Motor Corporation.

Toyota Racing Development

Landcruiser 2UZ-FE 4.7 L V8 2000-09 Tundra 2003 GX 470 2003-09 4Runner 3UR-FE 5.7 L V8 (Roots, Eaton TVS, air to liquid intercooler) 2007-2021 Tundra

Toyota Racing Development (also known by its abbreviation TRD) is the in-house tuning shop for all Toyota and Lexus (and formerly Scion) cars. TRD is responsible both for improving street cars for more performance and supporting Toyota's racing interests around the world. TRD produces various tuning products and accessories, including performance suspension components, superchargers, and wheels. TRD parts are available through Toyota dealers, and are also available as accessories on brand-new Toyotas and Scions. Performance parts for Lexus vehicles are now labeled as F-Sport and performance Lexus models are labeled F to distinguish Lexus's F division from TRD.

As of June 2013 there are two official branches of TRD: TRD Japan (a.k.a. Toyota Technocraft) and TRD USA. Each of these branches has...

Toyota Land Cruiser

turbo diesel engine Starting in 2011, the 270 kW (367 PS; 362 hp) 3UR-FE engine was offered along with the previous engines. For 2012, the 1GR-FE gained dual

The Toyota Land Cruiser (Japanese: ランドクルーザー, Hepburn: Toyota Rando-Kurūzā), also sometimes spelt as LandCruiser, is a series of four-wheel drive vehicles produced by the Japanese automobile manufacturer Toyota. It is Toyota's longest running series of models. As of 2019, the sales of the Land Cruiser totalled more than 10 million units worldwide.

Production of the first generation of the Land Cruiser began in 1951. The Land Cruiser has been produced in convertible, hardtop, station wagon and cab chassis body styles. The Land Cruiser's reliability and longevity have led to huge popularity, especially in Australia, where it is the best-selling body-on-frame, four-wheel drive vehicle. Toyota also extensively tests the Land Cruiser in the Australian outback - considered to be one of the toughest...

Toyota Sequoia

5.7 L 3UR-FE V8, mated to a 6-speed automatic. The 2008 Sequoia came in three trim lines: the SR5 and Limited, and new Platinum. The base engine is the

The Toyota Sequoia is a full-size SUV manufactured by Toyota mainly for the North American market since 2000 for the 2001 model year, being derived from the Tundra pickup truck. It is the second largest SUV ever produced under the Toyota brand, after the Japan-exclusive, military-focused Mega Cruiser.

Previously manufactured at Toyota Motor Manufacturing Indiana in Princeton, Indiana between 2000 and 2021, and then in Toyota Motor Manufacturing Texas in San Antonio, Texas since 2022, the Sequoia is the first vehicle from a Japanese marque in the popular mainstream full-sized SUV class in North America, and initial planning done by first-generation Sequoia chief engineer Kaoru Hosokawa aimed the Sequoia directly at the Ford Expedition, Chevrolet Tahoe/GMC Yukon, and other full-size SUVs.

Up...

Toyota Tundra

(910 kg), a new 5.7L 3UR-FE V8 engine mated to a new 6-speed automatic transmission. The second generation Tundra had three engine options. The new 5.7L

The Toyota Tundra is a full-size pickup truck manufactured in the United States by the Japanese manufacturer Toyota since May 1999. The Tundra was the second full-size pickup to be built by a Japanese manufacturer (the first was the Toyota T100), but the Tundra was the first full-size pickup from a Japanese manufacturer to be built in North America. The Tundra was nominated for the North American Truck of the Year award and was Motor Trend magazine's Truck of the Year in 2000 and 2008. Initially built in a new Toyota plant in Princeton, Indiana, production was consolidated in 2008 to Toyota's San Antonio, Texas, factory.

Lexus LX

EV-II certified 5.7 L 3UR-FE V8 engine. Power output is 286 kW (383 hp) with 546 N·m (403 lb·ft) of torque. The more powerful engine helps give an increased

The Lexus LX (Japanese: レクサスLX, Hepburn: Rekusasu LX) is a full-size luxury SUV sold by Lexus, a luxury division of Toyota since January 1996, having entered manufacturing in November 1995. As the flagship SUV from Lexus, it is the company's largest and most expensive SUV. Four generations have been produced, all based heavily on the long-running Toyota Land Cruiser SUVs. The first-generation LX 450 started production in 1995 as Lexus' first entry into the SUV market. Its successor, the LX 470, premiered in 1998 and was manufactured until 2007. The third-generation LX debuted at the New York International Auto Show in April 2007. The fourth-generation LX debuted in October 2021.

The first-generation LX 450 had a straight-six engine and seats for seven passengers. The second and third-generations...

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