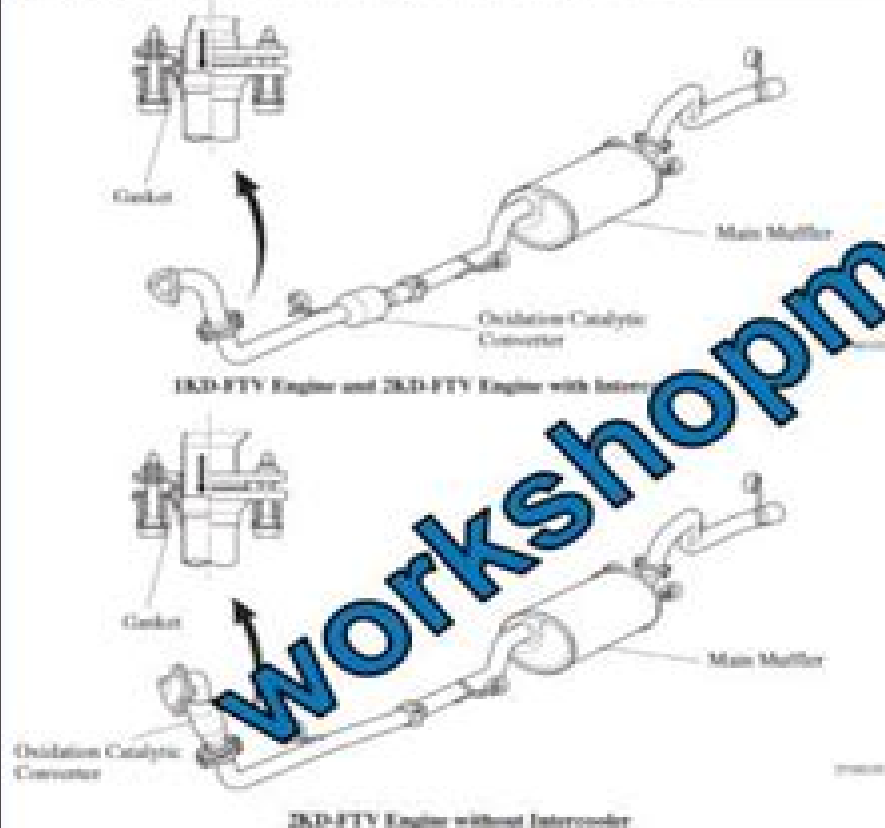


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- A stainless steel exhaust pipe is used for weight reduction and rust resistance.
- A ball joint is used to join the exhaust from pipe and exhaust manifold. As a result, a simple and reliable construction for reducing vibration has been realized.
- The oxidation catalytic converter is used to clean the exhaust gas particulates, HC and CO. The table below describes the location of the converter (where equipped), in accordance with the engine type and exhaust emission regulation compliance.

Emission Regulation	EURO III or Tier 1		EURO I or Non-Compliance
Engine Type	1KD-FTV 2KD-FTV (High Version with Intercooler)	2KD-FTV 2KD-FTV (High Version without Intercooler)	All
Location of Oxidation Catalytic Converter	Integrated with Front Exhaust Pipe	Below Exhaust Manifold	—



ENGINE - 1GR-FE ENGINE

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FUEL SYSTEM

General

Fuel delivery pipe made of plastic has been adopted. A compact 12-hole type fuel injector has been adopted. A common rail system for atomization of fuel. Fuel tank made of plastic has been adopted. The fuel tank is coated with polyethylene layers on the inner and outer surfaces to prevent the permeation of fuel. For details, refer to the 1GR-FE and 2GR-FE Engines and Fuel System Section on page 1G-25.

A compact and lightweight fuel filter with fuel sender gauge has been adopted. A quick connector is used to connect the fuel line with the fuel hose for excellent serviceability.



Toyota Hilux Ute Workshop Manual

Zhe Xu



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Toyota Hilux/4 Runner Diesel 1979-1997 Auto Repair Manual-LN, Diesel Eng 2 & 4 Wheel Drive Max Ellery, 2003-05-01 Step by step instructions with plenty of photographs plus detailed information on 4 cylinder L 2L 2L T and 3L vehicles including turbo versions from 1979 to 1997 2WD and 4WD LN Series for 30s 40s 50s 60s 120s and 130s body styles Engines all transmissions axles suspension brakes body wiring schematics problem solving plus more Tune up Maintenance Repairs Mechanical Bodywork Electrical diagrams Specifications Restoration Worldwide specifications Suitable for DIY enthusiast or the mechanic *Toyota Hi-Lux and Hi-Ace Owners Workshop Manual ...* John Harold Haynes, Peter G. Strasman, 1977

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Toyota Pick-up Owners Workshop Manual John B. Raffa, John Harold Haynes, 1986 *Toyota Hi-Lux Petrol & Diesel 2005 Thru 2011* Greg Williams, John Harold Haynes, Chris Anderson, 2012 This is an automotive maintenance and repair manual for the Toyota Hi Lux P D vehicle The book is suitable for the DIY mechanic **Toyota Hilux** Max Ellery, 2013-03-01 This comprehensive manual has step by step instructions for all chapters to help the weekend repairer or motor mechanic with everything from changing the oil there to solving and repairing sophisticated problems Engine chapters cover diesel engines 5L and 5LE 1KZ T and 1KZ TE turbocharged series Four cylinder petrol gasoline engines 4 Cylinder Petrol 1RZ E and 3RZ FE plus the V6 series 5VZ FE are also covered in detail Explicit instructions accompany ample photographs and live illustrations to help the reader work with minor or major work The comprehensive diesel fuel chapters cover injection components ECM values plus sensor checks for injection systems including injectors fuel pumps and fuel tank Petrol gasoline

and Ignition chapters provide good detail on the ECM and injection systems for 1RZ E 3RZ FE and V6 engine 5VZ FE including injectors fuel pump and fuel tank **Workshop Manual for Toyota Land Cruiser** Intereurope,1969

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