

Toyota Tacoma 2004-2015 Workshop Manual

1GR-FE ENGINE MECHANICAL - CYLINDER HEAD (for Bank 1 240)

EM-19-1-22

2TR-FE ENGINE MECHANICAL - ENGINE ASSEMBLY

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6. INSTALL CAMSHAFT TIMING GEARS AND NO.2 CHAIN (for Bank 1)

(a) Align the yellow mark links with the timing marks (1 dot mark) of camshaft timing gears as shown in the illustration.

(b) Align the timing marks on the camshaft timing gears with the timing marks on the bearing caps, and install the camshaft timing gears with the chain onto the 1th camshafts.

(c) Temporarily install the 2 camshaft timing gear bolts.
NOTICE:
Do not push camshaft timing gear assembly onto the camshaft forcibly when installing it.

(d) Hold the hexagonal portion of the camshaft with a wrench, and tighten the 2 bolts.
Torque: 100 N·m (1,020 kgf·cm, 74 ft·lb)

(e) Remove the pin from the tensioner No. 2.

7. INSTALL WATER BY-PASS JOINT

(a) Install a new O-ring on the water outlet pipe.
(b) Apply torque to the O-ring.
(c) Install the cold water by-pass joint rear with the O-ring and 4 nuts.
Torque: 100 N·m (102 kgf·cm, 80 ft·lb)
(d) Connect the water hose.
(e) Connect the engine coolant temperature sensor to the sensor.

8. INSTALL INTAKE MANIFOLD

(a) Set a new gasket on each cylinder head.

NOTICE:

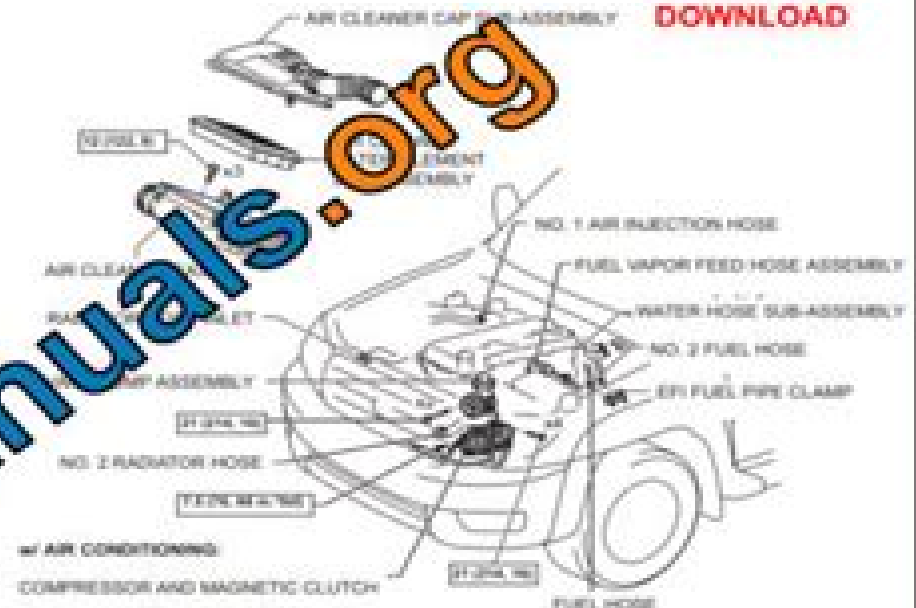
- Align the port holes of the gasket and cylinder head.
- Be careful of the installation direction.

(b) Set the intake manifold on the cylinder heads.

(c) Install and tighten the 10 bolts uniformly in several steps.

Torque: 28 N·m (285 kgf·cm, 19 ft·lb)

(d) Connect the 6 fuel injector connectors.



[N·m (kgf·cm, ft·lb)] Specified torque

2015 Toyota Tacoma Workshop Service Manual

M Woodhall



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