



Head Gasket Selection for 2000-2015 Toyota 1KD-FTV Diesel Engines

The AERA Technical Committee offers the following information regarding the head gasket section for 2000-2015 Toyota 1KD-FTV diesel engines. These engines have a possible choice of five head gaskets of different thicknesses.

Thickness of new head gasket installed

A	.0315-.0354" (.800-.900 mm)
B	.0335-.0374" (.850-.950 mm)
C	.0354-.0394" (.900-1.000 mm)
D	.0374-.0413" (.950-1.050 mm)
E	.0394-.0433" (1.000-1.100 mm)

The proper head gasket to use depends on the current measured piston protrusion throughout the block. Piston protrusion should be measured on two locations for each piston directly above the piston's pin. The gasket selected from the chart shown below should be in relation to the highest measurement recorded. Although there are five gaskets available the tolerance range for piston protrusion is very minimal.

USE	When Piston Protrusion is
A	.00020-.00213" (.005-.054 mm)
B	.00217-.00409" (.055-.104 mm)
C	.00413-.00606" (.105-.154 mm)
D	.00610-.00803" (.155-.204 mm)
E	.00807-.01004" (.205-.255 mm)

The new head gasket should be marked with the appropriate A through E markings as shown in the diagram below.

There are 5 sizes of New Head Gaskets, they're Marked A thru E as Shown Here

