



Revised Valve Lash on 2011-2016 Isuzu 5.2L 4HK1 Engines

The AERA Technical Committee offers the following information concerning a revised valve lash for 2011-2016 Isuzu 5.2L, 4HK1 diesel engines. This information should be referenced anytime engine maintenance or engine building is occurring.

Earlier engines (2005-2010) used significantly less lash than current engines. For various reasons during engine development and improvement the valve lash specifications changed to enhance engine durability. Using the incorrect specifications may lead to engine damage. Refer to the chart below to determine which specifications to use while adjusting the valve clearance on these engines.

2005-2010MY 4HK1 (5.2L)	
Valve Adjustment Interval 2005-2007MY*	
Miles	Kilometers
52,000	83,200
Valve Adjustment Interval 2007**-2010MY	
Miles	Kilometers
50,000	80,000
* Excluding DPF (Diesel Particulate Filter)	
** Including DPF (Diesel Particulate Filter)	
Valve Clearance All	
Intake Valve	0.4 mm (0.016 in.)
Exhaust Valve	0.4 mm (0.016 in.)

Valve lash is less and duration may be longer for the 2005-2010 engines. It is important to determine which engine model year (MY) you're working on.

2011-2016MY 4HK1 (5.2L)	
Valve Adjustment Interval	
Miles	Kilometers
50,000	80,000
Valve Clearance	
Intake Valve	0.6 mm (0.024 in.)
Exhaust Valve	0.6 mm (0.024 in.)