

## Check Valve Usage on 2004-2016 Audi/Volkswagen 2.0L Engines

The AERA Technical Committee offers the following information on check valve usage on 2005-2016 Audi/Volkswagen 2.0L engines. This information should be considered anytime the cylinder head is being removed.

During this time frame Volkswagen switched from timing belt engines to timing chain engines. The DOHC timing belt engine actually uses a timing chain to drive the engines two camshafts. The timing chain engine uses only chains to drive the entire rotating assemblies.

It has been pointed out to AERA that engines that use timing chains use a check valve located at the front of the cylinder head. Be sure to reinstall this check valve after thoroughly cleaning the head. Timing belt engines do not use a check valve in this location.

Timing chain uses check valve,  
pictured right.

