



Oil Consumption on 2008-2014 BMW 4.4L N63 & S63 Engines

The AERA Technical Committee offers the following information regarding oil consumption on 2008-2014 BMW 4.4L engines. The source of consumption in some instances has been excessive oil passing by the valve stem seals in the cylinder head.

Replacing the valve stem seals on this V-8 engine in the vehicle is very difficult and most often keepers were lost. Most shops have elected to remove the engine or cylinder heads to facilitate this repair which is a labor intense and expensive job.

BMW now offers a seal replacement tool kit Part #83302443944 to consider while attempting to do this repair while the engine is in the vehicle. The kit shown in Figure 1 below has numerous pieces to block oil drain-back holes and a seal install aid tool to help align the seal during installation.



Figure 1. Part #83302443944 Seal Kit



Figure 2. Seal Kit Detail