



## TT00016

### Valve Keeper And Retainer Caution On All Acura Engines

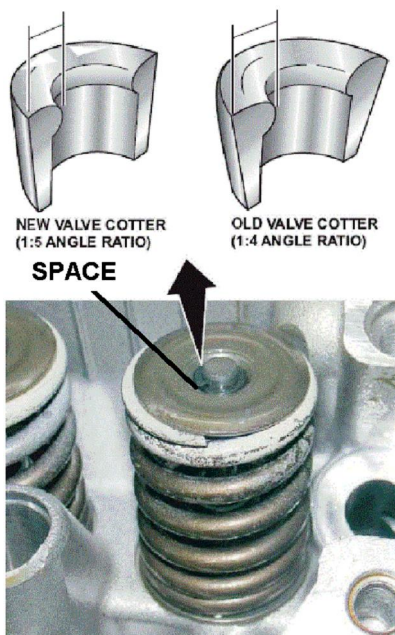
S. B. International, Inc., offers the following information regarding valve keeper and retainer caution on all Acura engines. This information is to be used when ordering new valve keepers and retainers during engine rebuilding.

In 2004 model years, Acura factories switched over to a different intake and exhaust valve keeper and valve spring retainers. The new valve keepers and retainers have a 1:5 angle ratio compared to the earlier combination that had a 1:4 angle ratio as shown in **Figure 1**. This ratio change increases the binding force between the two valve keepers, the retainer and the valve.

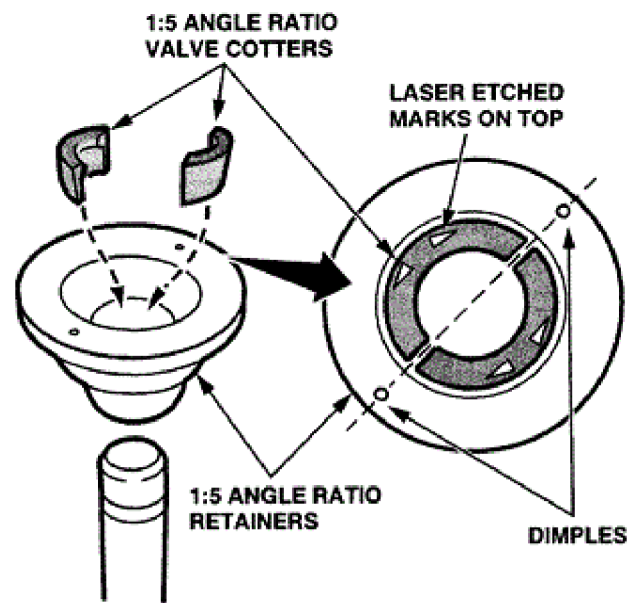
It is important when rebuilding a cylinder head not to get the two types of valve keepers and retainers mixed up; they are not interchangeable. If they do become mixed up, there is a very likely chance that customer may experience a dropped valve situation.

The two type of valve keepers and retainers look a lot alike at first glance, but there are a couple of subtle differences if you look really close as shown in **Figure 2**. The replacement 1:5 angle ratio vale keepers have two laser-etched marks on top. The replacement 1:5 angle ratio retainer has two dimples 180° apart on the outside edge.

**Figure 1:** Comparing Old & New Valve Keepers



**Figure 2:** Identifying New Valve Keeper



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