

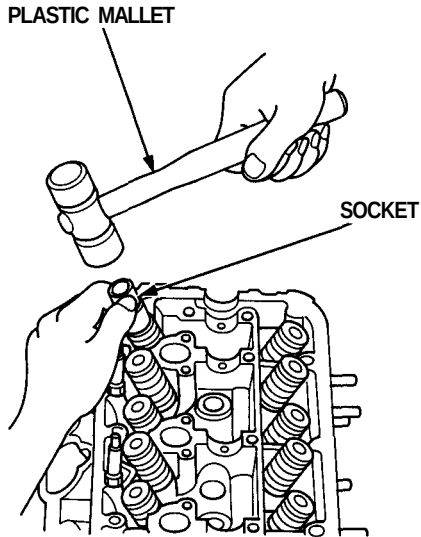


Valves, Valve Springs and Valve Seals

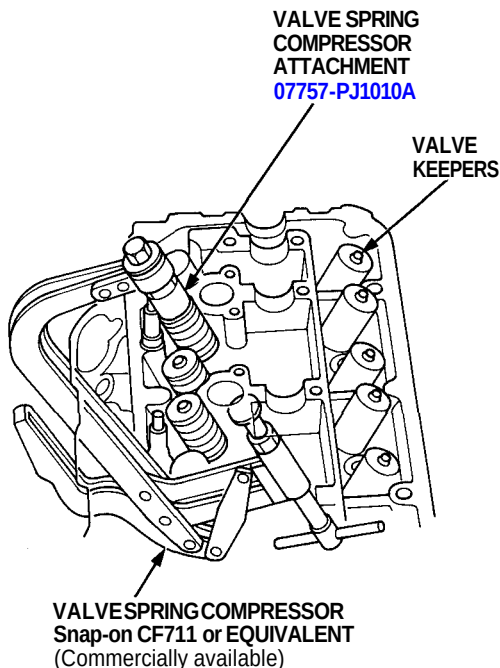
Removal

NOTE: Identify valves and valve springs as they are removed so that each item can be reinstalled in its original position.

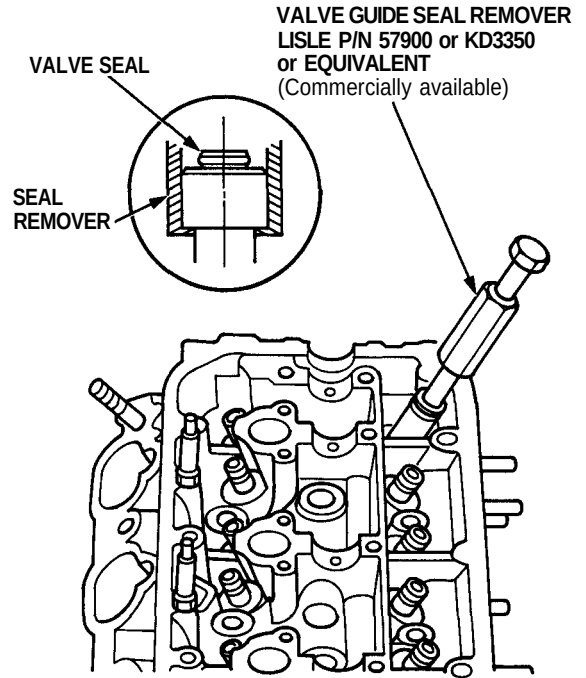
1. Using an appropriate-sized socket and plastic mallet, lightly tap the valve retainer to loosen the valve keepers before installing the valve spring compressor.



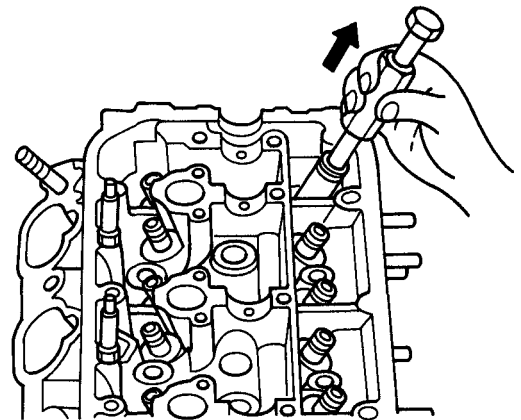
2. Install the valve spring compressor. Compress the spring, and remove the valve keepers.



3. Install the valve guide seal remover.



4. Remove the valve seal.

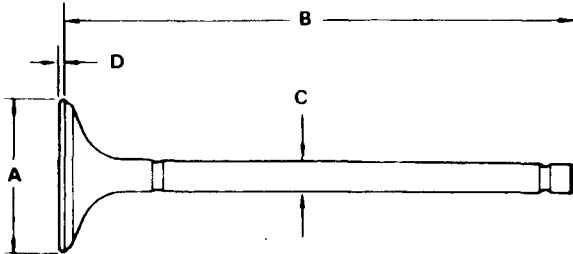


(cont'd)

Valves, Valve Springs and Valve Seals

Removal (cont'd)

5. Inspect the valves for wear.



Intake Valve Dimensions

- A Standard (New): 32.90-33.10 mm
(1.295-1.303 in)
- B Standard (New): 113.58-113.88 mm
(4.472 - 4.483 in)
- C Standard (New): 5.48 - 5.49 mm
(0.2157-0.2161 in)
- C Service Limit: 5.45 mm (0.215 in)
- D Standard (New): 0.85- 1.15 mm
(0.033 - 0.045 in)
- D Service Limit: 0.65 mm (0.026 in)

Exhaust Valve Dimensions

- A Standard (New): 27.90-28.10 mm
(1.098-1.106 in)
- B Standard (New): 116.03-116.33 mm
(4.568 - 4.580 in)
- C Standard (New): 5.45 - 5.46 mm
(0.2146 - 0.2150 in)
- C Service Limit: 5.42 mm (0.213 in)
- D Standard (New): 1.35- 1.65 mm
(0.053 - 0.065 in)
- D Service Limit: 1.15 mm (0.045 in)