

For renewing Valve Stem Oil Seals
on VAG V6 30V and 4cyl 20V engines
(without removing the cylinder head)
from 1997 – 2005.
Engine Codes include ADR and APT

LASER®

Valve Stem Oil Seal Service Kit

Audi 20V

Instruction

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Contents

Valve Spring Compressor Assembly OEM ref. 3362

Jaw – OEM ref. 3362/1

Valve Stem Seal Replacer– OEM ref. 3365

Air line adaptor for valve retention – OEM ref. 653/3

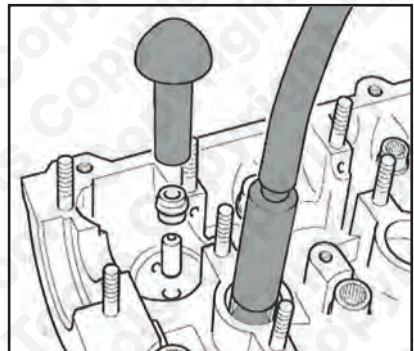
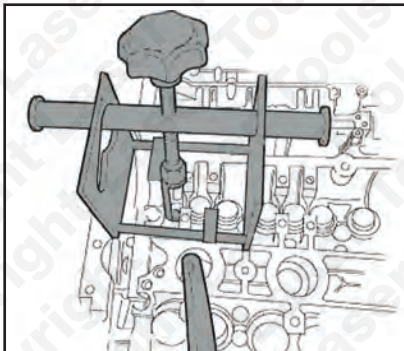
Instructions

1. Remove Camshafts to gain access to the Valve Springs etc.
2. Remove bucket tappets (making sure the contact surface is face down and kept in correct sequential order)
3. Each cylinder and valve set are worked on individually.
4. Remove the appropriate spark plug (using a suitable spanner or socket)
5. Set piston of respective cylinder to top dead centre, to help prevent the valve from dropping down the guide.
6. Screw the Air adaptor into the spark plug port, and make an appropriate connection to a compressed air system, as this will be used to retain the valve and prevent it dropping during the job. At least 6 bar is recommended.

Note. The Washer and Collets used to retain the Valve Spring are usually very tight. A good suggestion to ease the task of compressing the spring is to place a suitable socket over the Washer and strike with a hammer until the assembly loosens.

7. Mount the Compressor Assembly onto the cylinder head at the appropriate cylinder.
8. Attach the Jaw to the Compressor Screw and for use in the following positions:
9. Outer inlet valve – Lower position
10. Middle inlet valve – Upper position
11. Exhaust valve – Lower position
12. To prevent damage to new valve stem oil seals, use a plastic tube on the valve stem top to act as a sleeve.
13. Lubricate valve stem oil seal and place it over the valve stem, using the Replacing tool, push carefully down onto valve guide.

Re-assemble the engine in reverse order, taking care to re-position



Assemble by reversing these instructions.