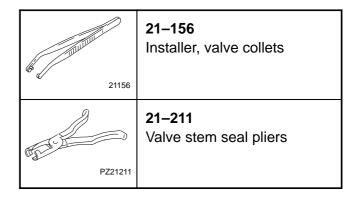
Valves - Remove and Install (21 217 4)

(Cylinder heads removed)

Special Tools

21–130A	21-130A Installer, valve stem oil seal
21155	21–155 Valve spring compressor
2115501	21–155–01 Adaptor for 21-155



Proprietary Tools

Brass drift		

Workshop Equipment

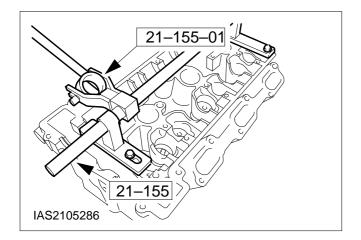
Protective sleeve,	
valve stem oil seals	

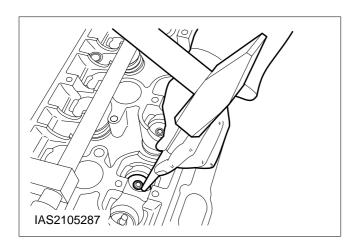
Remove

1. General notes.

- Lay the cylinder head onto a clean wooden surface with the mating face facing downwards.
- Use a wooden wedge in the combustion chamber to hold the valves in place while removing them.

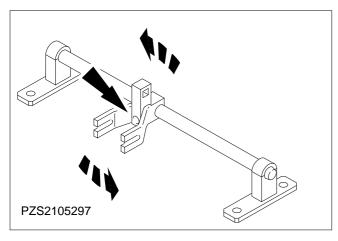
2. Fit the special tools.



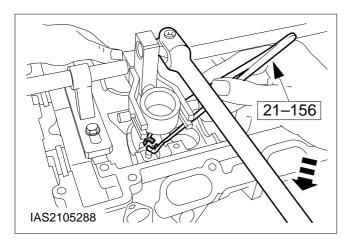


3. Loosen the valve spring retainers.

Loosen all of the valve spring retainers from the collets by tapping down on the retainers.

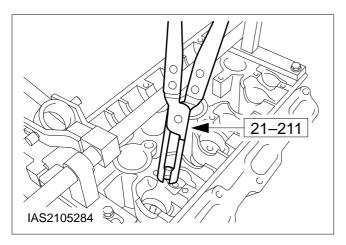


- 4. Turn the fork on Special Tool 21–155 from inlet valve setting to exhaust valve setting.
 - Slacken the bolt.
- Turn the fork.
- Tighten the bolt.

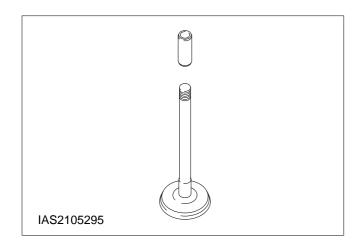


NOTE: Lay all components in order to one side.

- 5. Remove all of the valves.
- Compress the valve spring and remove the valve collets.
- Remove the valve spring retainer.
- Take out the valve.

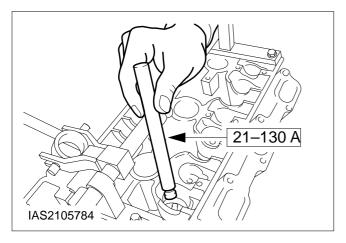


6. Remove the valve stem oil seals.



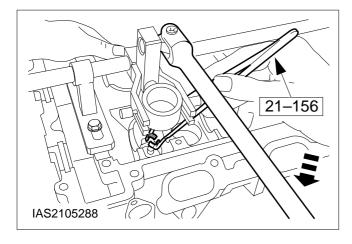
Install

7. Protective sleeve for fitting the valve stem oil seals.



NOTE: Use a protective sleeve when fitting the valve stem oil seals.

8. Install the valve stem oil seals.



9. Fit the valves.

- Insert the valve springs and the valve spring retainers.
- Compress the valve spring and fit the collets.
- Check that the valve collets are correctly seated.