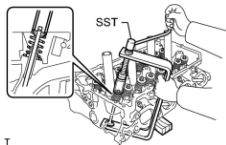


Last Modified: 5-3-2010	6.4 A	From: 200904
Model Year: 2010	Model: Prius	Doc ID: RM000002XA303HX
Title: 2ZR-FXE ENGINE MECHANICAL: CYLINDER HEAD: DISASSEMBLY (2010 Prius)		

DISASSEMBLY

1. REMOVE INTAKE VALVE

- (a) Place the cylinder head on wooden blocks.
- (b) Using SST and wooden blocks, compress and remove the valve retainer locks.



SST: 09202-70020
09202-00010

HINT:

Arrange the removed parts in the correct order.

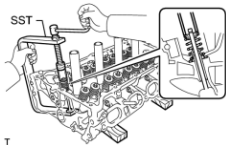
- (c) Remove the retainer, valve spring and valve.

HINT:

Arrange the removed parts in the correct order.

2. REMOVE EXHAUST VALVE

- (a) Place the cylinder head on wooden blocks.
- (b) Using SST and wooden blocks, compress and remove the valve retainer locks.



SST: 09202-70020
09202-00010

HINT:

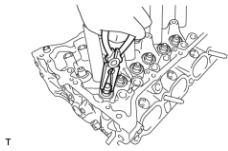
Arrange the removed parts in the correct order.

- (c) Remove the retainer, valve spring and valve.

HINT:

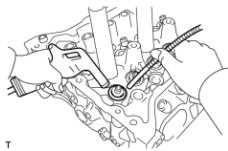
Arrange the removed parts in the correct order.

3. REMOVE VALVE STEM OIL SEAL



(a) Using needle-nose pliers, remove the oil seals.

4. REMOVE VALVE SPRING SEAT

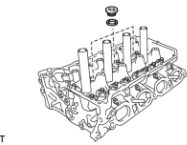


(a) Using compressed air and a Magnet Hand, remove the valve spring seats by blowing air onto them.

5. REMOVE NO. 2 STRAIGHT SCREW PLUG

NOTICE:

If water leaks from the straight screw plug or the plug is corroded, replace it.



(a) Using a 10 mm straight hexagon wrench, remove the 3 screw plugs and 3 gaskets.

6. REMOVE STUD BOLT

NOTICE:

If a stud bolt is deformed or its threads are damaged, replace it.

