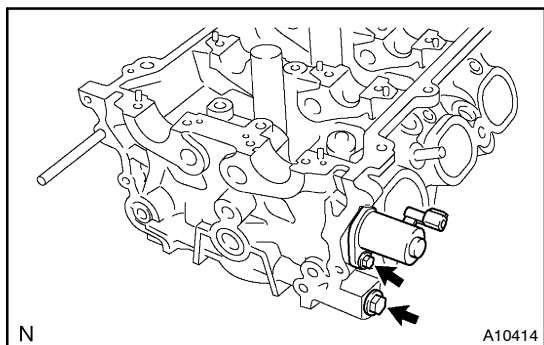




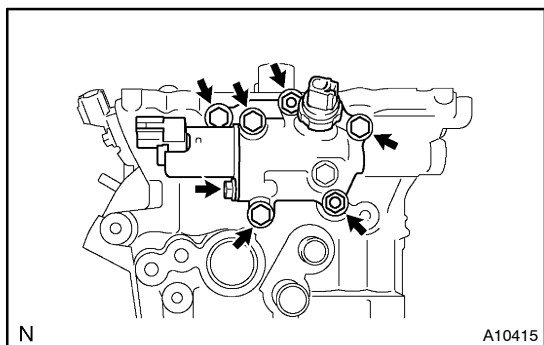
DISASSEMBLY

1. REMOVE OIL CONTROL VALVE for VVT

Remove the bolt and cam timing oil control valve.

2. REMOVE OIL CONTROL VALVE FILTER

Remove the bolt, gasket and oil control valve filter.



3. 2ZZ-GE:

REMOVE OIL CONTROL VALVE HOUSING

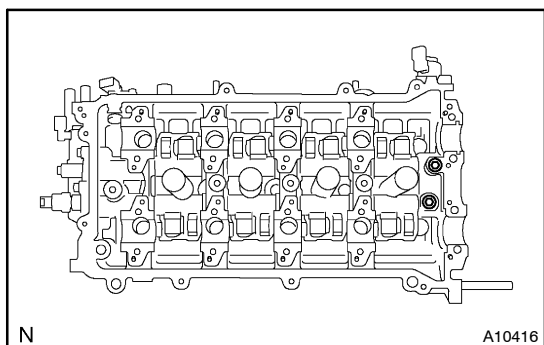
(a) Remove the bolt and oil control valve for VVTL.

(b) Using SST, remove the oil pressure switch.

SST 09816-30010

(c) Remove the 3 bolts, 2 nuts, oil control valve housing and gasket.

(d) Remove the oil control valve filter.



4. 2ZZ-GE:

REMOVE VALVE ROCKER ARM

(a) Remove the 2 bolts, rocker No. 1 and No. 2 shafts.

(b) Remove the 8 valve rocker arm.

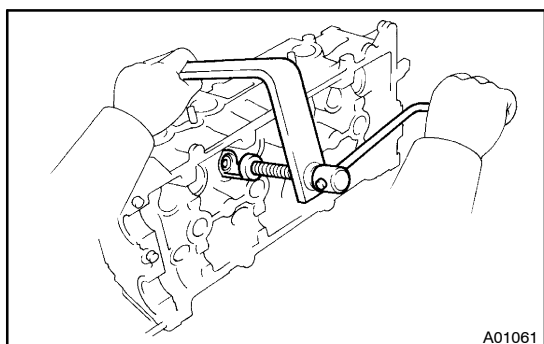
HINT:

Arrange the rocker arms in the correct order.

5. REMOVE VALVE LIFTERS

HINT:

Arrange the valve lifters in the correct order.



6. REMOVE VALVES

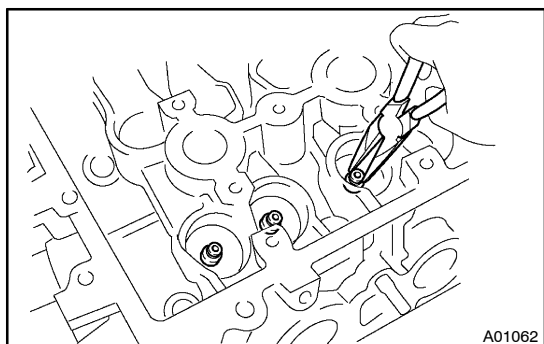
(a) Using SST, compress the valve spring and remove the 2 keepers.

SST 09202-70020 (09202-00020)

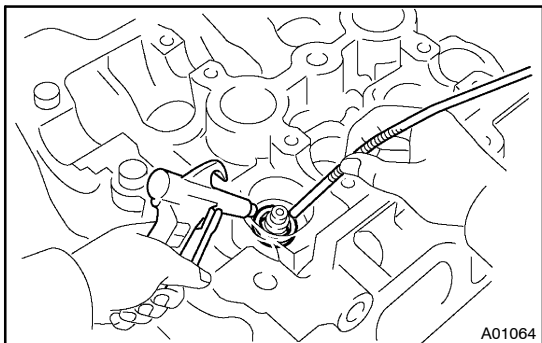
(b) Remove the spring retainer.

(c) Remove the valve spring.

(d) Remove the valve.



(e) Using needle-nose pliers, remove the oil seal.



- (f) Using compressed air and magnetic finger, remove the spring seat by blowing air.

HINT:

Arrange the valves, valve springs, spring seats, and spring retainers in the correct order.