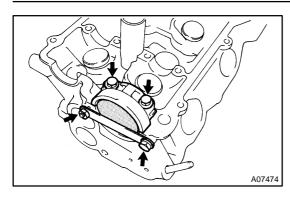
EM01N-09



DISASSEMBLY

. REMOVE CAMSHAFT HOUSING PLUGS

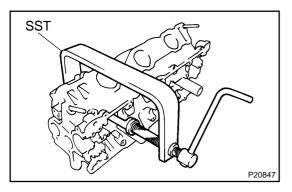
- (a) Remove the bolt, nut, ground strap and cylinder head rear plate.
- (b) Remove the 2 bolts, camshaft bearing cap and housing plug.

2. REMOVE VALVE LIFTERS AND SHIMS

Pull out the valve lifter and shim by hand.

HINT:

Arrange the valve lifters and shims in correct order.

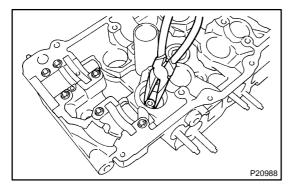


3. REMOVE VALVES

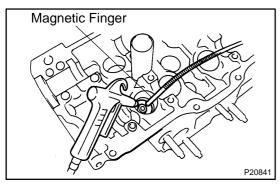
(a) Using SST, compress the valve spring and remove the 2 keepers.

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(b) Remove the spring retainer, valve spring and valve.



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



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

HINT:

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

2002 4RUNNER (RM887U)

Author: Date: 849