

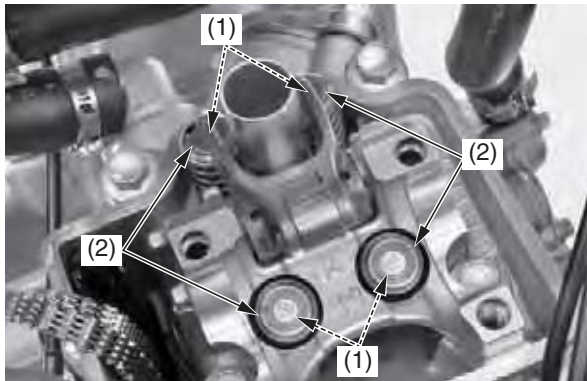
Valve Clearance

Camshaft Installation

1. Install the newly selected shims (1) on the valve spring retainers (2).

NOTICE

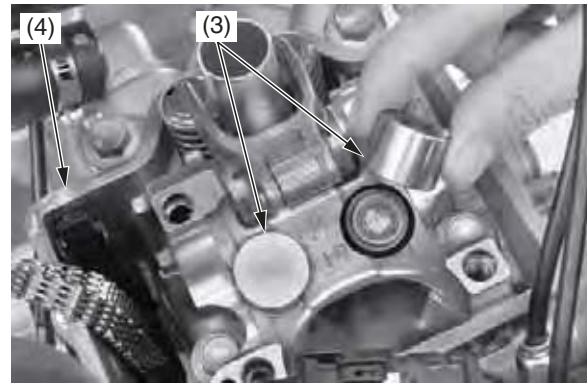
Do not let the shims fall into the crankcase.



(1) shims
(2) valve spring retainers

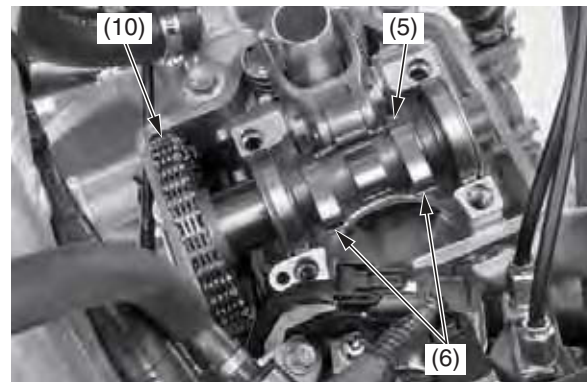
2. Apply molybdenum disulfide oil (a mixture of 1/2 engine oil and 1/2 molybdenum disulfide grease containing more than 3% molybdenum disulfide additive) to the following parts.
 - camshaft cam lobes
 - each valve lifter outer surface

3. Install each valve lifter (3) in their original location into the cylinder head (4).

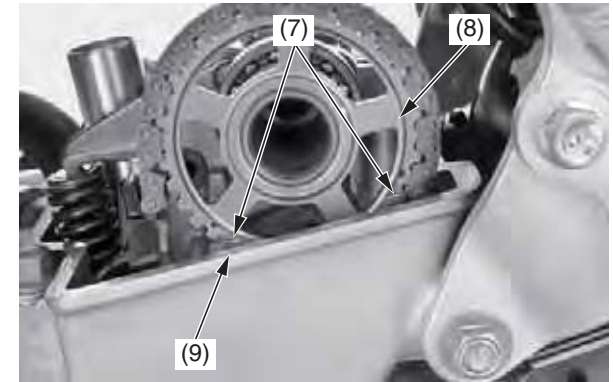


(3) valve lifters
(4) cylinder head

4. Make sure the piston is at TDC ([page 67](#)).
5. Place the camshaft (5) with the intake cam lobes (6) facing up and align the timing marks (7) on the cam sprocket (8) with the surface of the cylinder head (9).
Install the cam chain (10) over the sprocket without rotating the camshaft.



(5) camshaft
(6) intake cam lobes
(10) cam chain



(7) timing marks
(8) cam sprocket
(9) surface of the cylinder head