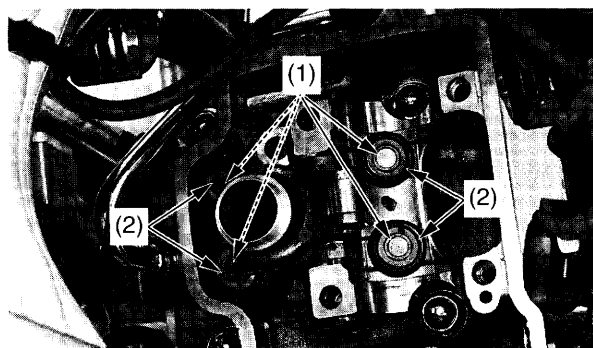


Camshaft Installation

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

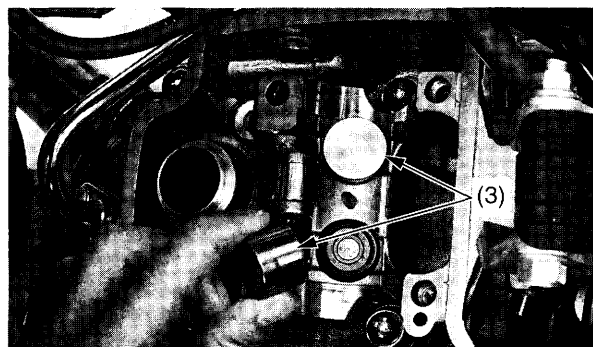
NOTICE

Do not let the shims fall into the crankcase.



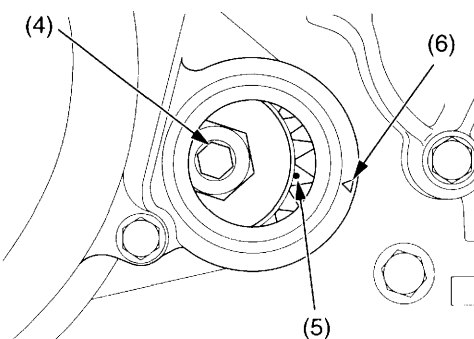
(1) shims (2) valve retainers

2. Apply molybdenum disulfide oil solution (a mixture of 1/2 engine oil and 1/2 molybdenum disulfide grease containing more than 3% molybdenum disulfide additive) to outer surface of the each valve lifters. Install the valve lifters (3).



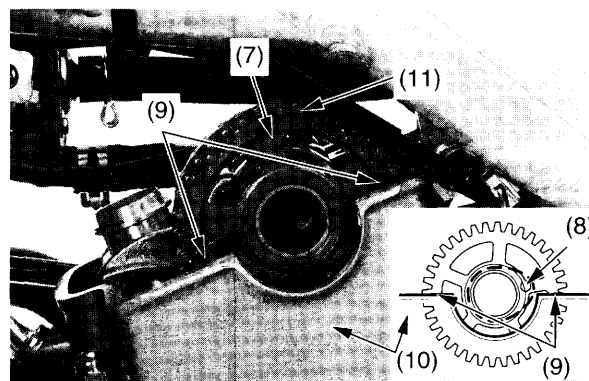
(3) valve lifters

3. Rotate the primary drive gear bolt (4) (crankshaft) clockwise and align the punch mark (5) with the "Δ" mark (6).



(4) primary drive gear bolt
(5) punch mark
(6) "Δ" mark

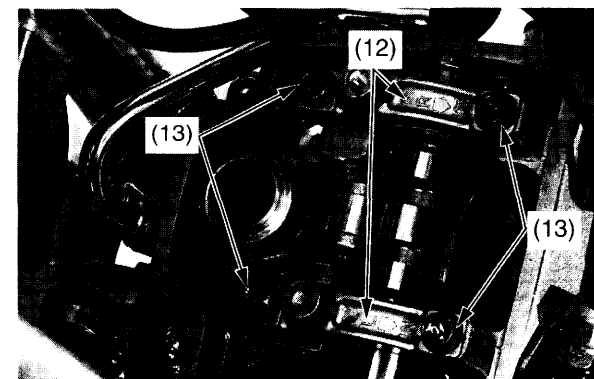
4. Apply molybdenum oil solution to the camshaft journals and cam lobes. Place the cam sprocket (7) with the intake cam lobes (8) facing up and align the timing marks (9) on the cam sprocket with the top surface of the cylinder head (10). Install the cam chain (11) over the sprocket without rotating the sprocket.



(7) cam sprocket (10) cylinder head
(8) intake cam lobes (11) cam chain
(9) timing marks

5. Apply grease to the set rings and install it onto the camshaft holders (12). Apply oil to the camshaft holder bolt threads and seating surface. Install the camshaft holder bolts (13) and tighten it to the specified torque: 12 lbf·ft (16 N·m, 1.6 kgf·m)

Tighten the camshaft holder bolts in a criss-cross pattern in two or three steps.



(12) camshaft holders (13) camshaft holder bolts

(cont'd)