

4. Apply engine oil to the cylinder bore (4), piston outer surface and piston rings (5). Route the cam chain (6) through the cylinder. Install the cylinder over the piston rings by hand while compressing the piston rings.

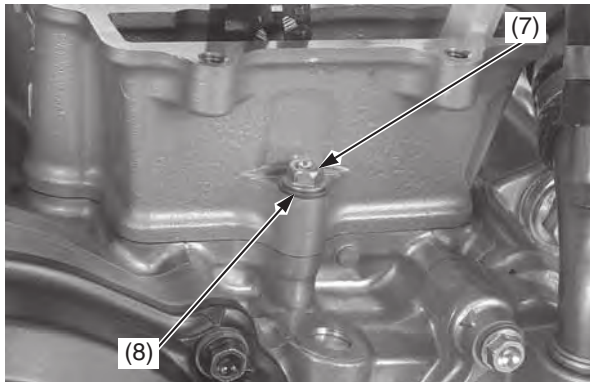
## NOTICE

*Do not damage the piston rings and cylinder bore. Do not let the cam chain fall into the crankcase.*



- (4) cylinder bore
- (5) piston outer surface and piston rings
- (6) cam chain

5. Temporarily tighten the cylinder bolt (7) with a new sealing washer (8).



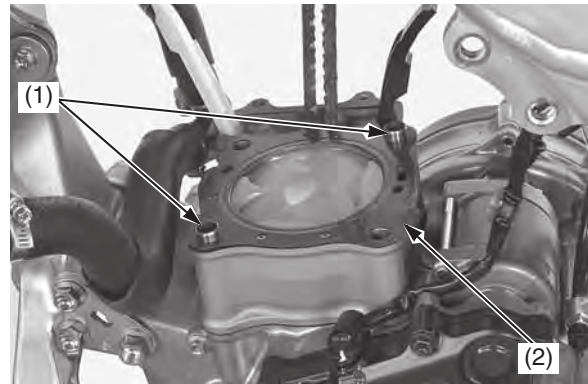
- (7) cylinder bolt
- (8) sealing washer (new)

## Cylinder Head Installation

1. Clean any gasket material off cylinder head.
2. Install the dowel pins (1) and a new cylinder head gasket (2).

## NOTICE

*Do not let the dowel pins fall into the crankcase.*



- (1) dowel pins
- (2) cylinder head gasket (new)

3. Route the cam chain (3) through the cylinder head and install the cylinder head (4).

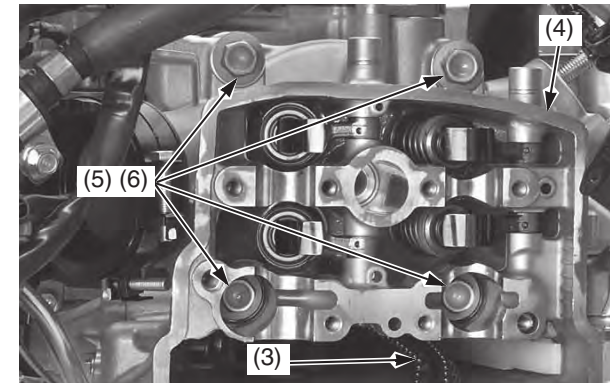
## NOTICE

*Do not damage mating surfaces when installing the cylinder head. Do not let the cam chain fall into the crankcase.*

4. Apply engine oil to all cylinder head B bolt threads and seating surface. Install the washers (5) and cylinder head B bolts (6) and tighten them to the specified torque in a crisscross pattern in two or three steps:  
35 lbf-ft (48 N·m, 4.9 kgf·m)

## NOTICE

*Do not let the washers fall into the crankcase.*



- (3) cam chain
- (4) cylinder head
- (5) washers
- (6) cylinder head B bolts

(cont'd)