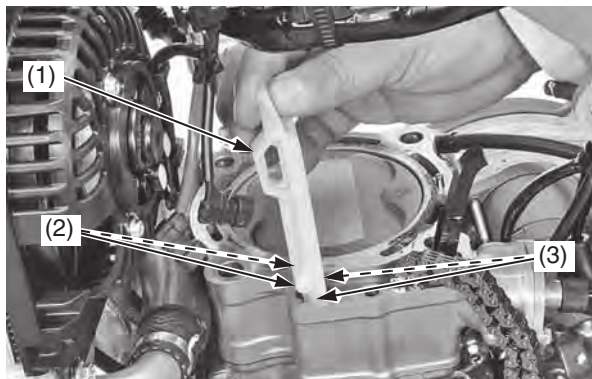


# Piston/Piston Rings/Piston Pin

## Cylinder Head Installation

1. Clean any gasket material off cylinder head.
2. Install the cam chain guide (1) and fit the cam chain guide tabs (2) in the cylinder cutouts (3). Push the guide until it bottoms in the crankcase guide groove.

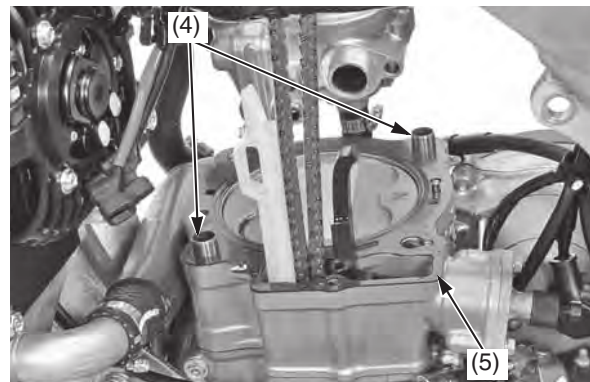


(1) cam chain guide (3) cylinder cutouts  
(2) cam chain guide tabs

3. Install the dowel pins (4) and a new cylinder head gasket (5).

### NOTICE

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



(4) dowel pins  
(5) cylinder head gasket (new)

4. Route the cam chain through the cylinder head and install the cylinder head (6).

### NOTICE

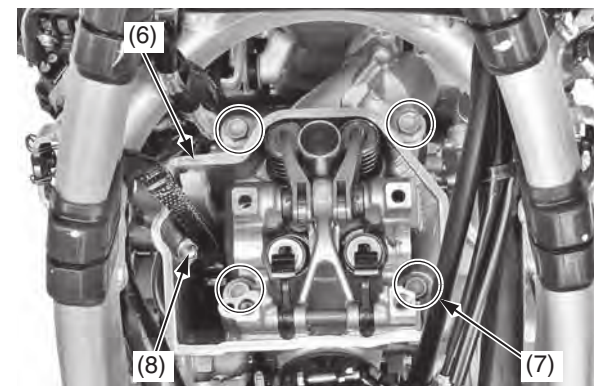
*Do not damage mating surfaces when installing the cylinder head.*

5. Apply engine oil to all cylinder head bolt threads and seating surface. Install the washers and cylinder head bolts (7) and tighten them to the specified torque in a crisscross pattern in two or three steps: 37 lbf-ft (50 N-m, 5.1 kgf-m)

### NOTICE

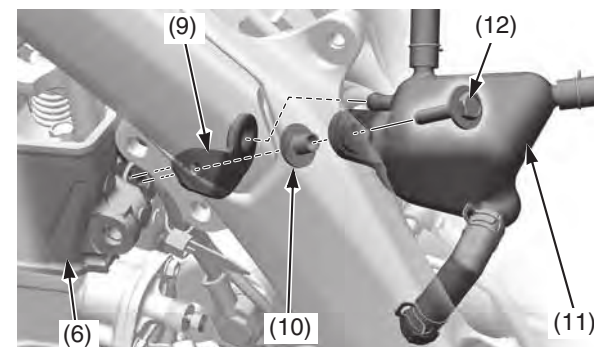
*Do not let the washers fall into the crankcase.*

6. Install the cylinder bolt (8) and tighten it to the specified torque:  
7 lbf-ft (10 N-m, 1.0 kgf-m)



(6) cylinder head  
(7) washers and cylinder head bolts  
(8) cylinder bolt

7. Install the oil catch tank stay (9), collar (10), oil catch tank (11) to the cylinder head (6), and then tighten the mounting bolt (12).



(6) cylinder head (11) oil catch tank  
(9) oil catch tank stay (12) mounting bolt  
(10) collar