

CYLINDER HEAD/VALVES ('03 – '05 model)

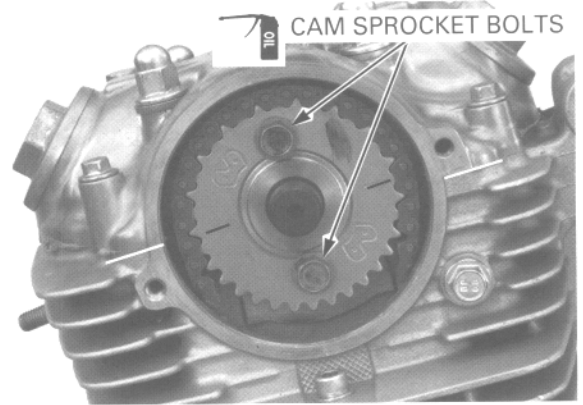
Make sure the timing marks on the sprocket aligns with the mating lines when the "T" mark is aligned with the index mark.

Apply engine oil to the sprocket bolt threads and seating surfaces.

Align the bolt holes in the sprocket and camshaft flange. Install the sprocket bolts, being careful not to let them fall into the crankcase.

Tighten the sprocket bolts alternately while holding the crankshaft.

TORQUE: 12 N·m (1.2 kgf·m, 9 lbf·ft)

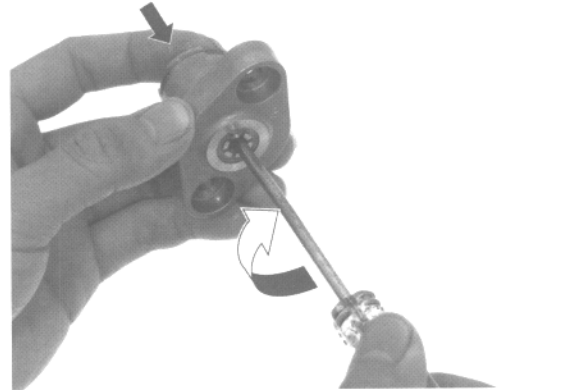


Remove the sealing plug from the cam chain tensioner lifter.

Turn the tensioner shaft (inside of the body) clockwise fully with a screwdriver until it is locked to retract the lifter shaft or, turn the tensioner shaft clockwise fully and secure it with the special tool.

TOOL:

Cam chain tensioner holder 070MG-0010100 or 07AMG-001A100 (U.S.A. only)



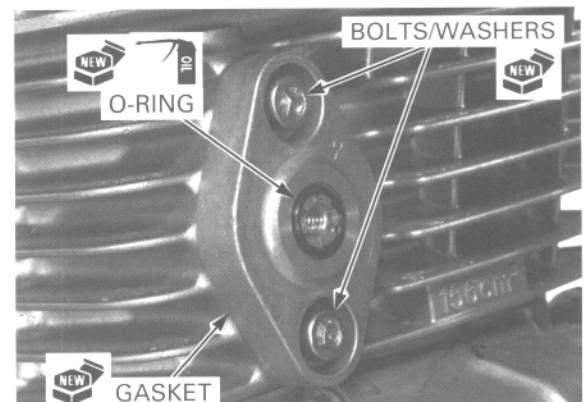
Install the tensioner lifter with a new gasket.

Install the mounting bolts with a new sealing washers and tighten them.

TORQUE: 12 N·m (1.2 kgf·m, 9 lbf·ft)

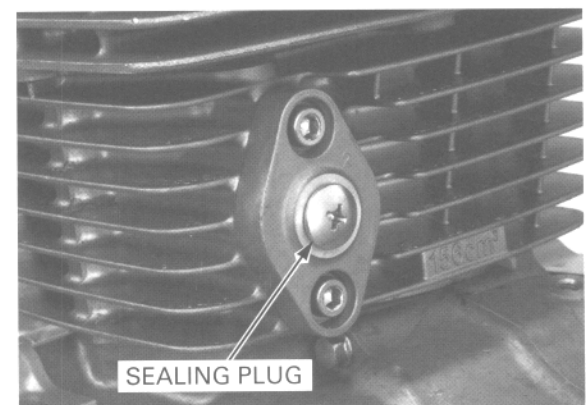
Turn the tensioner shaft counterclockwise slightly to release it

Coat a new O-ring with engine oil and install it into the tensioner lifter groove.



Install the sealing plug and tighten it.

TORQUE: 4 N·m (0.4 kgf·m, 2.9 lbf·ft)

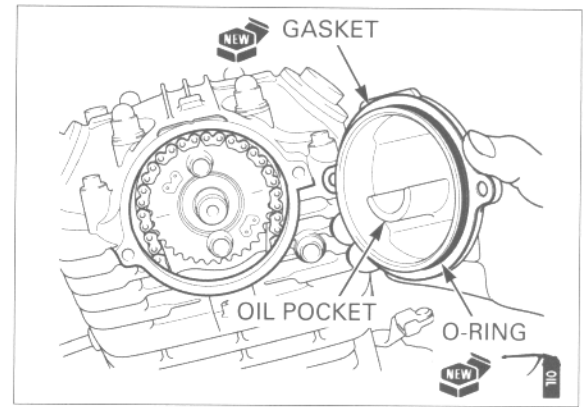


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Make sure the timing marks align with the mating lines when the "T" mark on the flywheel is aligned with the index mark.

Install a new gasket onto the cam sprocket cover. Coat a new O-ring with engine oil and install it into the cover groove.

Install the sprocket cover with the oil pocket facing down.

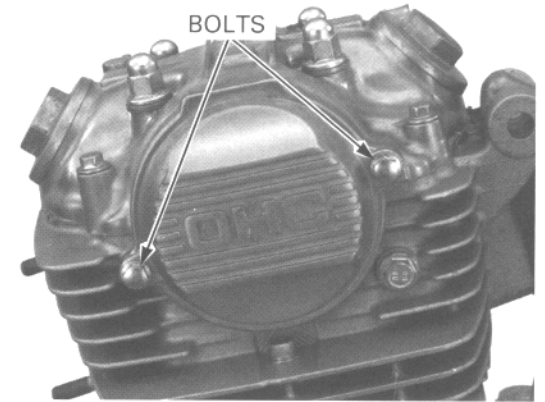


Install the two cover bolts and tighten them.

Install the following:

- valve adjusting hole caps (page 3-10)
- crankshaft hole cap and timing hole cap (page 3-10)
- spark plug (page 3-9)

Install the engine in the frame (page 7-10).



9. CYLINDER HEAD/VALVES (After '05 model)

SYSTEM COMPONENTS	9-2	VALVE GUIDE REPLACEMENT	9-14
SERVICE INFORMATION	9-3	VALVE SEAT INSPECTION/ REFACING	9-15
TROUBLESHOOTING	9-5	CYLINDER HEAD ASSEMBLY	9-18
CYLINDER COMPRESSION	9-6	CYLINDER HEAD INSTALLATION	9-19
CYLINDER HEAD COVER REMOVAL	9-6	CAMSHAFT/ROCKER ARM INSTALLATION	9-21
CAMSHAFT/ROCKER ARM REMOVAL	9-7	CYLINDER HEAD COVER INSTALLATION	9-24
CYLINDER HEAD REMOVAL	9-10		
CYLINDER HEAD DISASSEMBLY	9-11		

SYSTEM COMPONENTS

