

1D-26 Engine Mechanical:

- Apply grease to the new O-ring and install the intake pipe.

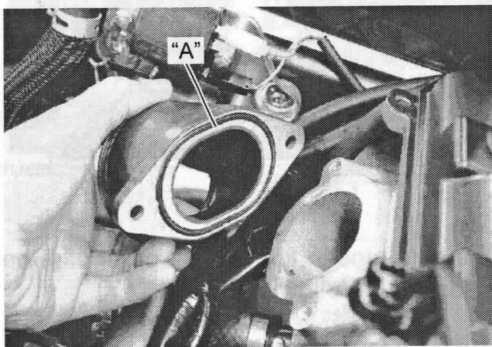
NOTE

Face the "UP" mark (1) on the intake pipe to upper.

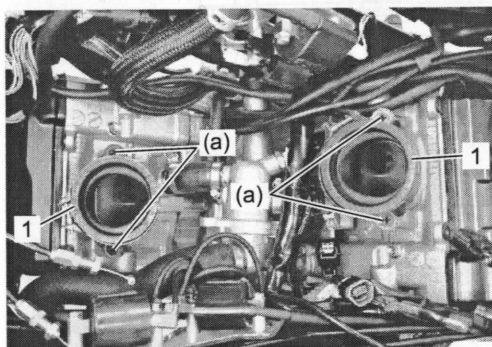
"A": Grease 99000-25011 (SUZUKI SUPER GREASE A)

Tightening torque

Intake pipe mounting screw (a): 8.5 N·m (0.85 kgf-m, 6.5 lbf-ft)



IE31J1140165-01



IE31J1140166-01

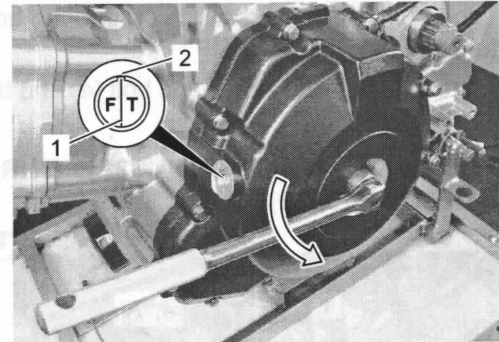
Cam Chain Tension Adjuster / Cam Chain Tensioner / Cylinder Head Assembly / Cam Chain Guide / Cylinder Removal

BENE31J11406055

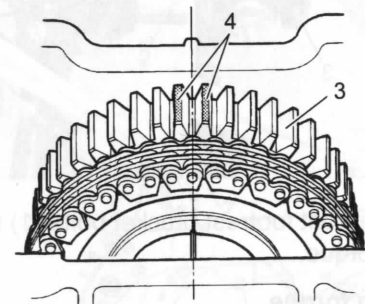
Refer to "Engine Assembly Removal" (Page 1D-20) and "Camshaft Removal" (Page 1D-7).

Front Cylinder Cam Chain Tension Adjuster

- 1) Turn the crankshaft to bring the "F | T" line (1) on generator rotor to the index mark (2) of the valve inspection hole and also to bring the cam drive idle gear/sprocket No. 2 (Front cylinder) (3) to the position as shown.



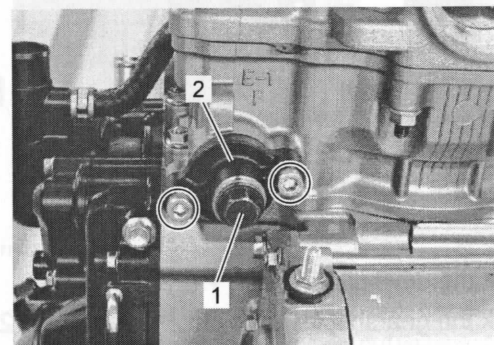
IE31J1140091-01



IE31J1140293-01

4. Paint

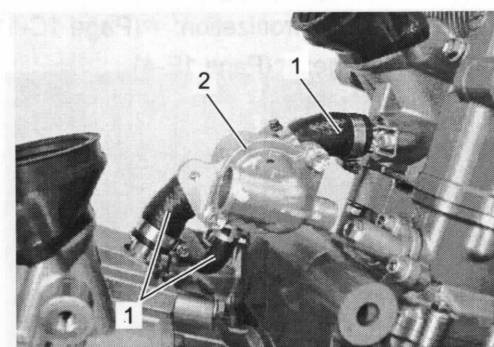
- 2) Remove the cam chain tension adjuster cap bolt (1) and cam chain tension adjuster (2).



IE31J1140093-01

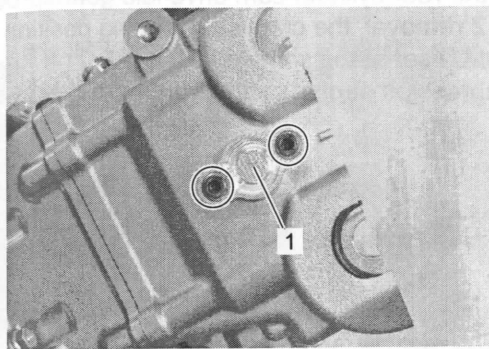
Front Cylinder Head Assembly

- 1) Disconnect the water hoses (1) and remove the thermostat connector assembly (2).



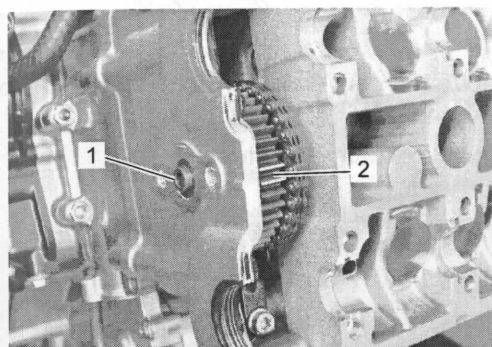
IE31J1140294-01

- 2) Remove the cylinder head cover No. 2 (1).



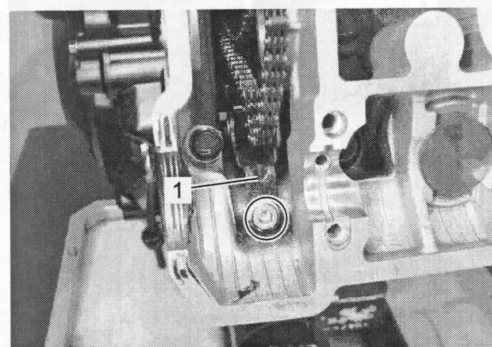
IE31J1140097-01

- 3) Pull out the idle shaft No. 2 (1) and remove the cam drive idle gear/sprocket No. 2 (2).



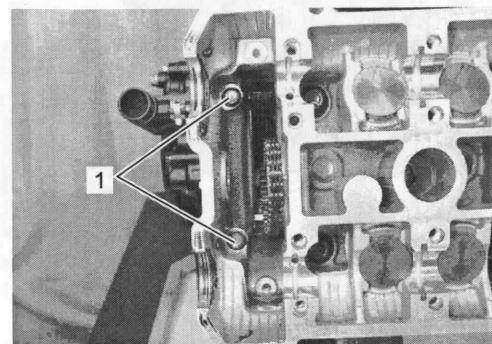
IE31J1140098-02

- 4) Remove the cam chain tensioner (1).



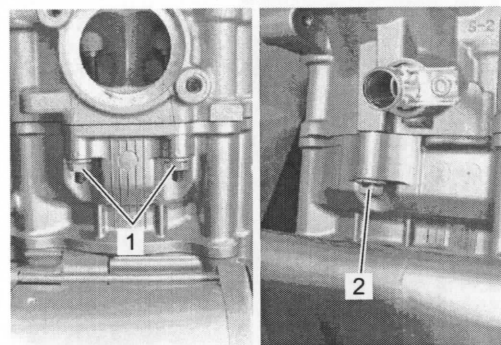
IE31J1140099-01

- 5) Remove the cylinder head bolts (M6) (1).



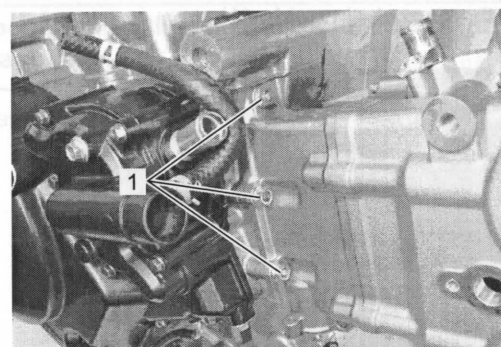
IE31J1140100-01

- 6) Remove the cylinder head nuts, (M6) (1) and (M8) (2).



IE31J1140101-01

- 7) Loosen the cylinder nuts (1).



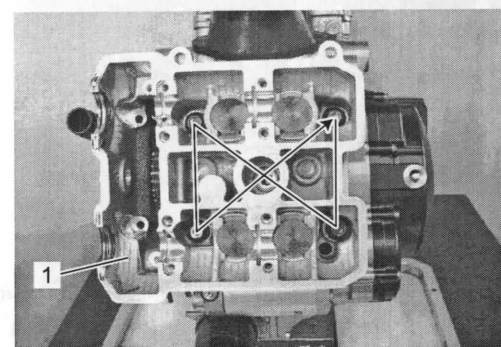
IE31J1140102-01

- 8) Remove the cylinder head bolts (M10).

NOTE

Loosen the cylinder head bolts little by little diagonally.

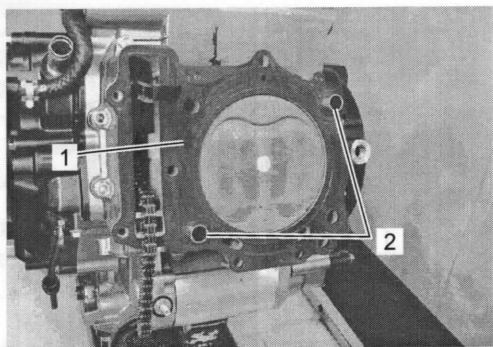
- 9) Remove the cylinder head assembly (1).



IE31J1140103-01

1D-28 Engine Mechanical:

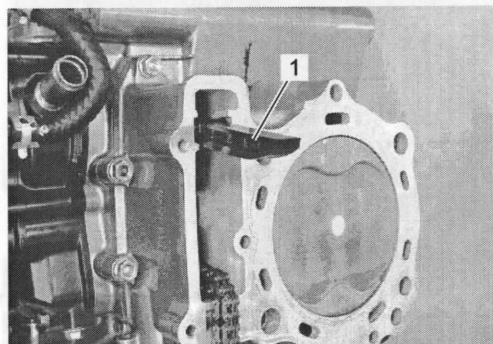
- 10) Remove the cylinder head gasket (1) and dowel pins (2).



IE31J1140104-02

Front Cylinder Cam Chain Guide

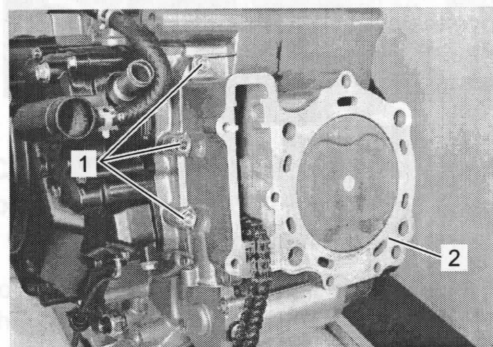
Remove the cam chain guide (1).



IE31J1140105-01

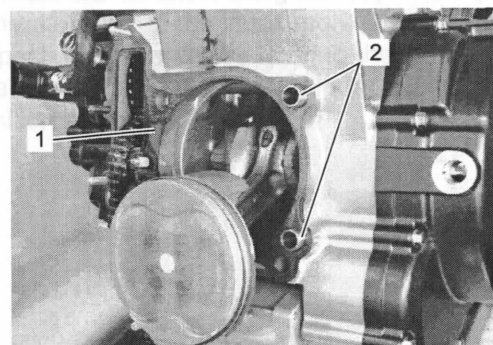
Front Cylinder

- 1) Remove the cylinder nuts (1) and cylinder (2).



IE31J1140106-01

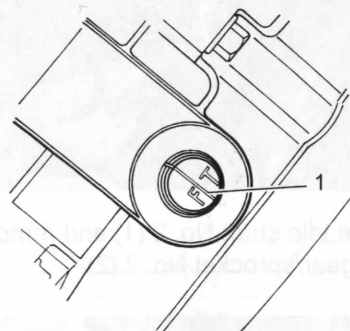
- 2) Remove the cylinder gasket (1) and dowel pins (2).



IE31J1140107-01

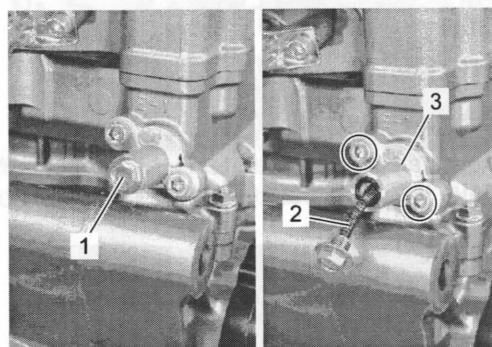
Rear Cylinder Cam Chain Tension Adjuster

- 1) For the rear cylinder cam drive idle gear/sprocket No. 2 removal, the crankshaft setting position (1) must be set at the same position (TDC of compression stroke) as the front one.



IE31J1140108-01

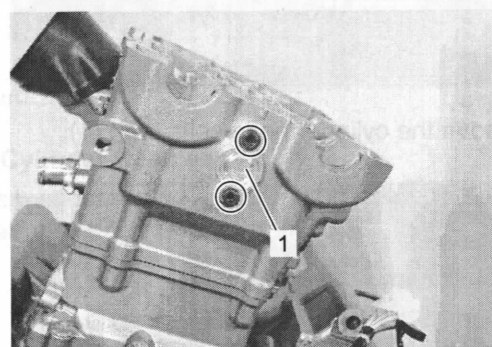
- 2) Remove the cam chain tension adjuster cap bolt (1) and spring (2).
3) Remove the cam chain tension adjuster (3).



IE31J1140109-01

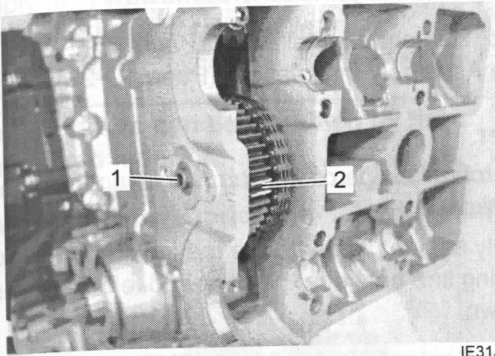
Rear Cylinder Head Assembly

- 1) Remove the cylinder head cover No. 2 (1).



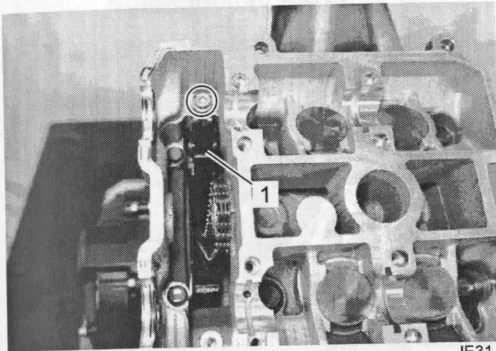
IE31J1140110-01

- 2) Pull out the idle shaft No. 2 (1) and remove the cam drive idle gear/sprocket No. 2 (2).



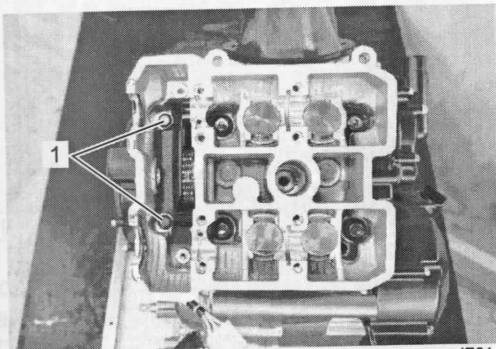
IE31J1140111-02

- 3) Remove the cam chain tensioner (1).



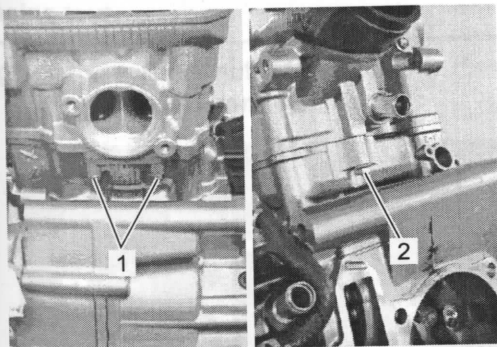
IE31J1140112-01

- 4) Remove the cylinder head bolts (M6) (1).



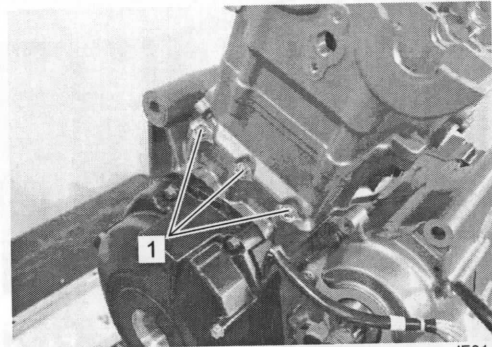
IE31J1140113-01

- 5) Remove the cylinder head nuts, (M6) (1) and (M8) (2).



IE31J1140114-01

- 6) Loosen the cylinder nuts (1).



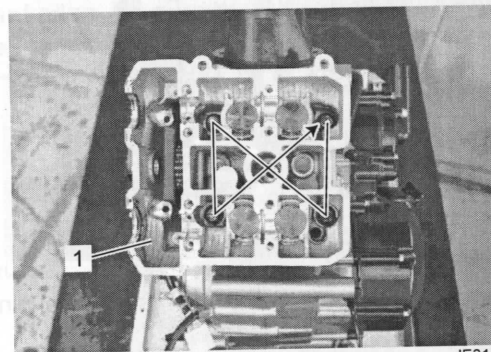
IE31J1140115-01

- 7) Remove the cylinder head bolts (M10).

NOTE

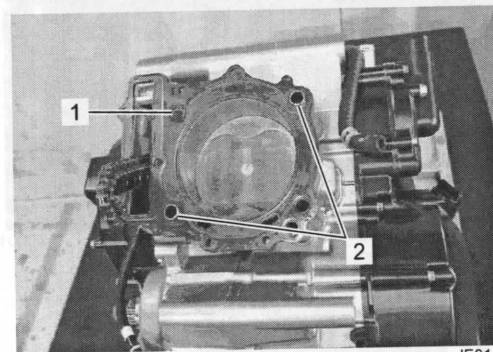
Loosen the cylinder head bolts little by little diagonally.

- 8) Remove the cylinder head assembly (1).



IE31J1140116-02

- 9) Remove the cylinder head gasket (1) and dowel pins (2).

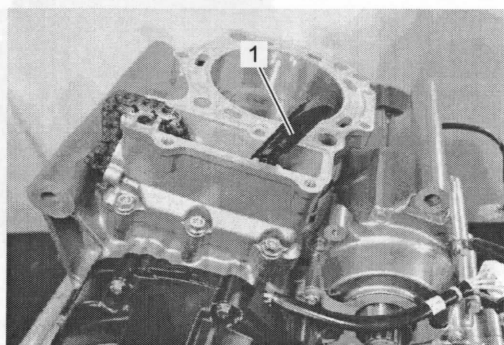


IE31J1140117-01

1D-30 Engine Mechanical:

Rear Cylinder Cam Chain Guide

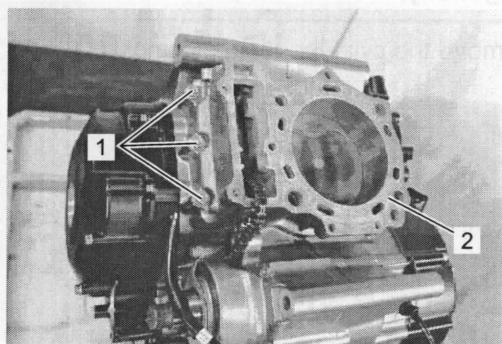
Remove the cam chain guide (1).



IE31J1140118-01

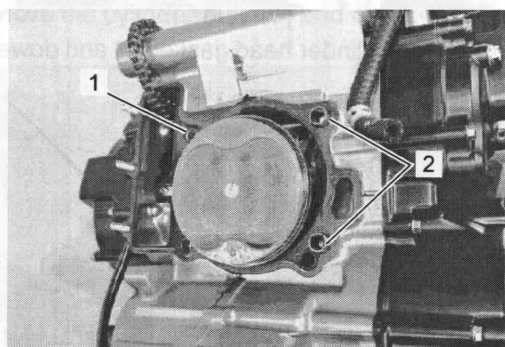
Rear Cylinder

1) Remove the cylinder nuts (1) and cylinder (2).



IE31J1140119-01

2) Remove the cylinder gasket (1) and dowel pins (2).



IE31J1140120-01

Cam Chain Tension Adjuster / Cam Chain Tensioner / Cylinder Head Assembly / Cam Chain Guide / Cylinder Installation

BENE31J11406056

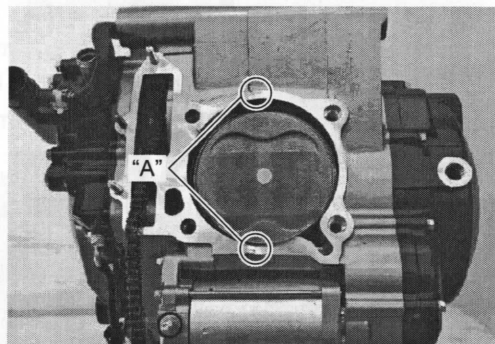
Refer to "Camshaft Installation" (Page 1D-9) and "Engine Assembly Installation" (Page 1D-23).

Cylinder

- 1) Thoroughly wipe off oil from the fitting surface of the crankcase.
- 2) Apply sealant lightly to the mating surfaces at the parting line between the right and left crankcases as shown.

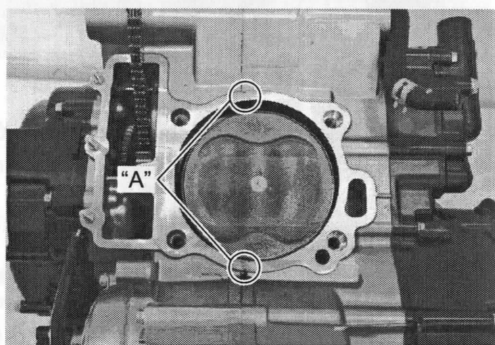
"A": Sealant 99000-31110 (SUZUKI BOND 1215)

Front cylinder side



IE31J1140121-01

Rear cylinder side



IE31J1140122-01