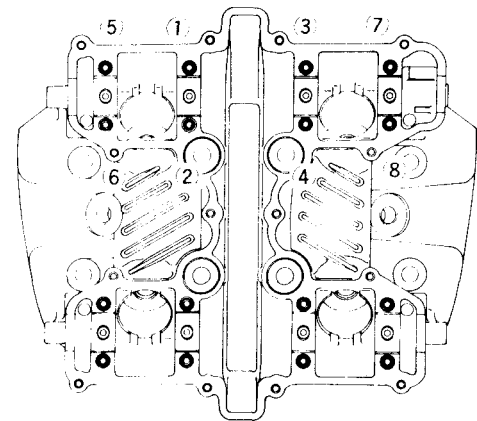


## DISASSEMBLY 39

•Partially tighten the left inside camshaft cap bolts first, to seat the camshaft in place. Fully tighten all the bolts with 1.1 ~ 1.3 kg-m (95 ~ 113 in-lbs) of torque, following the tightening sequence shown in the diagram.

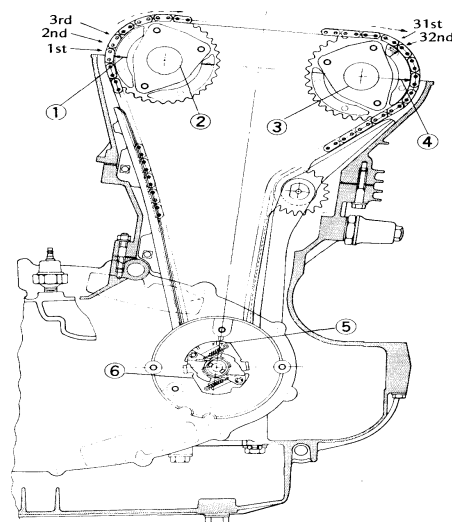
### Camshaft Cap Tightening Order



•Install the chain tensioner assembly. The sequence is push rod, spring (long), washer, spring (short), push rod guide, aluminum washer, and locknut.

**Do not adjust cam chain tension prior to installation of the cylinder head cover.**

•Turn the crankshaft over to align the "T" mark with the timing mark (TDC) (See Fig. 106), and check that the arrow mark on the inlet camshaft sprocket and the unnumbered arrow mark on the exhaust camshaft sprocket are aligned with the cylinder head surface, indicating that cam timing is correct.

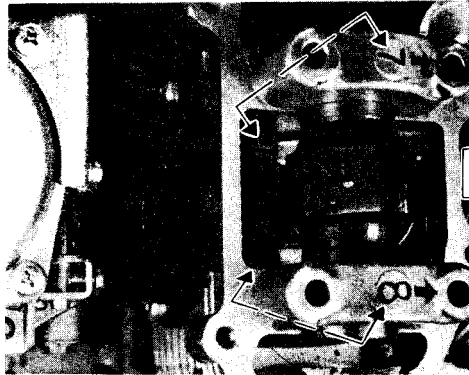


1. Arrow Mark
2. Inlet Camshaft
3. Exhaust Camshaft

4. Arrow Mark
5. TDC Mark
6. Timing Advancer

•The camshaft caps are machined together with the cylinder head, so set the camshaft caps into place with the number on the camshaft caps

matching the number on the cylinder head, and with the arrow on the cap pointing forward (toward the exhaust side).



**Caution** if any resistance is felt when turning over the crankshaft, stop immediately, and check the camshaft chain timing.

**Valves** maybe bent, if the timing was not properly set.

**2. Do not try to turn the crankshaft and camshafts with a wrench on the camshaft sprocket. Use a 17 mm wrench on the end of the crankshaft.**

**NOTE:** If a new camshaft, cylinder head, valve, or valve lifter were installed, check valve clearance at this time (Pg. 12 ), and adjust if necessary.

- Apply a small amount of high temperature grease to the tachometer pinion shaft, insert the pinion, and reconnect the cable to the cylinder head.
- Apply a liquid gasket to the circumference of each cylinder head rubber plug, and fit them in place.
- Install the cylinder head cover with a new cylinder head cover gasket. The arrow on the cover must point towards the front. Tighten the cover bolts (14) with 1.1 ~1.3 kg-m (95 ~ 113 in-lbs) of torque, following the tightening sequence shown in Fig. 116. Do not forget to install the spark plug lead clamps (2) when the cylinder head cover is installed.