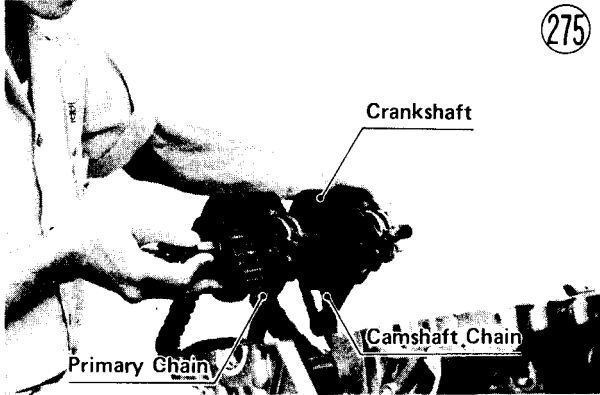


78 DISASSEMBLY



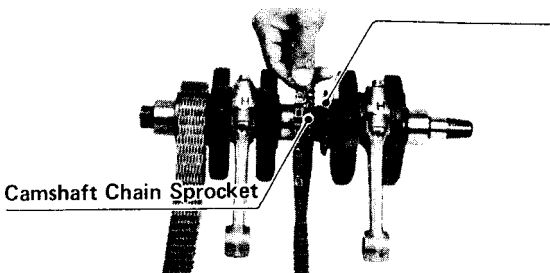
275

- Remove the camshaft chain from the crankshaft.
- Remove the primary chain.

Installation:

NOTE: If a new crankshaft and/or connecting rod is used, select the proper bearing insert in accordance with the combination of connecting rod and crankshaft marks (Fig. 279, Table 5).

- Apply engine oil to the crankshaft bearing inserts.
- Fit the camshaft chain and primary chain back onto their sprockets and set the crankshaft back in its place on the upper crankcase half while engaging it with the primary chain. The camshaft chain sprocket on the crankshaft is smaller than the balancer sprocket.



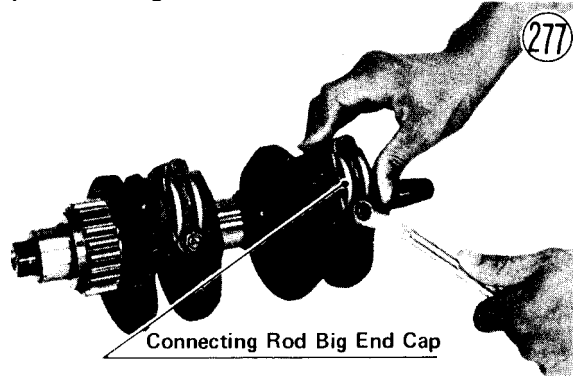
- Assemble the crankcase as explained in transmission installation (Pg. 64).
 - Install the pistons (Pg. 45).
 - Install the cylinder block (Pg. 43).
 - Install the camshafts (Pg. 38).
- NOTE:** The cylinder head cover must be installed after engine installation on the motorcycle.
- Install the engine (Pg. 28).
 - Fill the engine with oil, check the oil level (Pg. 196), and add more if necessary.
 - Carry out the adjustment procedures listed at the end of the engine installation section (Pg. 30).

CONNECTING ROD

Removal (each side):

- Remove the crankshaft (Pg. 77).
- Remove the nuts (2) and pull off the connecting rod big end cap.

Caution Do not allow the big end cap bolts to bump against the crankshaft journals to prevent damage.



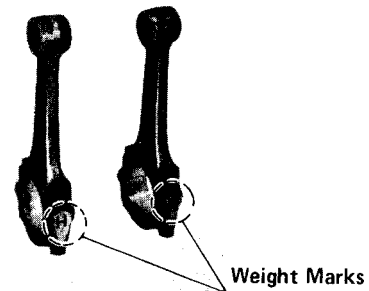
277

- Remove the rod bearing insert halves from the connecting rod big end and the big end cap.

Installation Notes:

1. Apply engine oil to the rod bearing inserts.
2. When installing new connecting rods, use connecting rods having the same weight mark. This weight mark, indicated using a capital letter, is stamped on the connecting rod big end.

Balancer Sprocket



3. The connecting rod big end cap is machined with the connecting rod as a set, so fit them together so that the weight marks align (Fig. 278). The big end cap must be replaced together with the connecting rod as a set.
4. If a new crankshaft and/or connecting rod is used, select the right rod bearing insert in accordance with the combination of the connecting rod and the crankshaft marks (Fig. 279). If the connecting rod only is replaced with a new one, first measure the diameter of the crank pin, mark its flywheel in accordance with the diameter (Pg. 134), and then select the right bearing insert in accordance with Table 5.