

2. Remove retaining ring securing front camshaft. Discard retaining ring.
3. Remove spacer from front camshaft. Do not mix front and rear camshaft spacers. Front spacer is 0.100 in. (2.54 mm) thick.
4. Using a colored marker, mark one of the links of the secondary cam chain. Maintaining the original direction of rotation during assembly may prolong service life.
5. Slide camshafts and secondary cam chain out of cam support plate.
6. Remove secondary cam chain from cam sprockets.

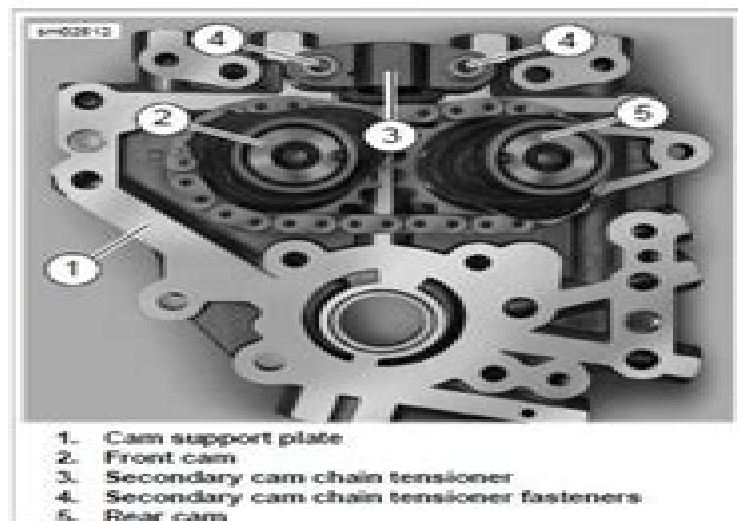


Figure 3-96. Camshafts

Installation

1. See [Figure 3-97](#). Align timing marks on teeth of secondary cam sprockets.

NOTE

Do not mix camshafts during installation. The rear camshaft, which can be identified by the splined shaft, must go into the hole at the rear of the cam support plate.

2. Place the secondary cam chain around the sprockets of both the front and rear camshafts while keeping the timing marks (3) in alignment. To maintain the original direction of rotation, be sure that the mark placed on the chain link during disassembly is visible during installation.

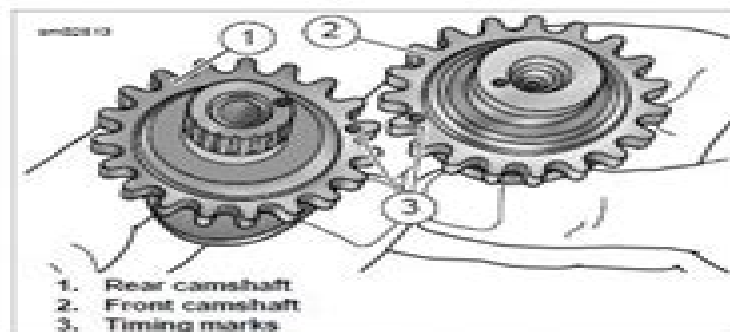


Figure 3-97. Camshaft Timing Marks

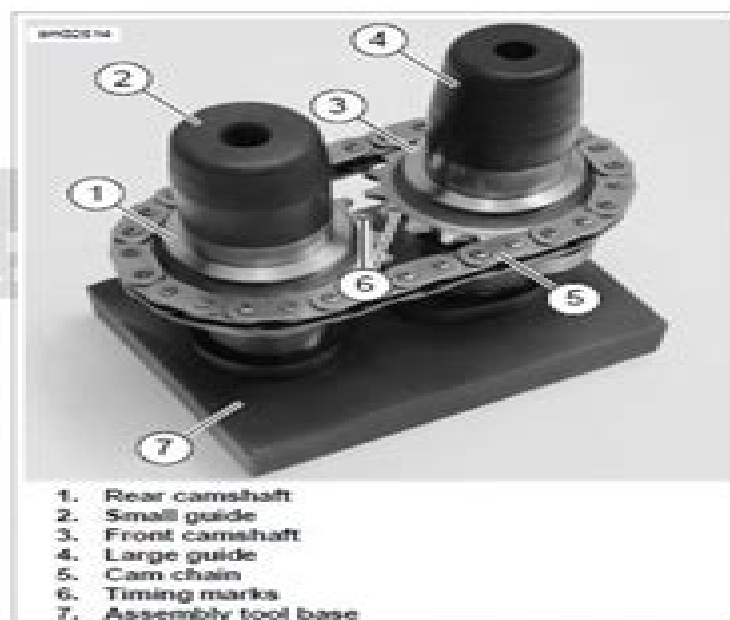


Figure 3-98. Camshaft Assembly Tool

3. See [Figure 3-98](#). Obtain CAMSHAFT ASSEMBLY TOOL (Part No. HD-47956). Place crankcase side of camshaft/cam chain assembly into assembly tool base (7) while maintaining cam timing mark (6) alignment.
4. Place small guide (2) on rear camshaft (1). Place large guide (4) on front camshaft (3).

Harley Blackline Shop Manual

Marcel A. Müller



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