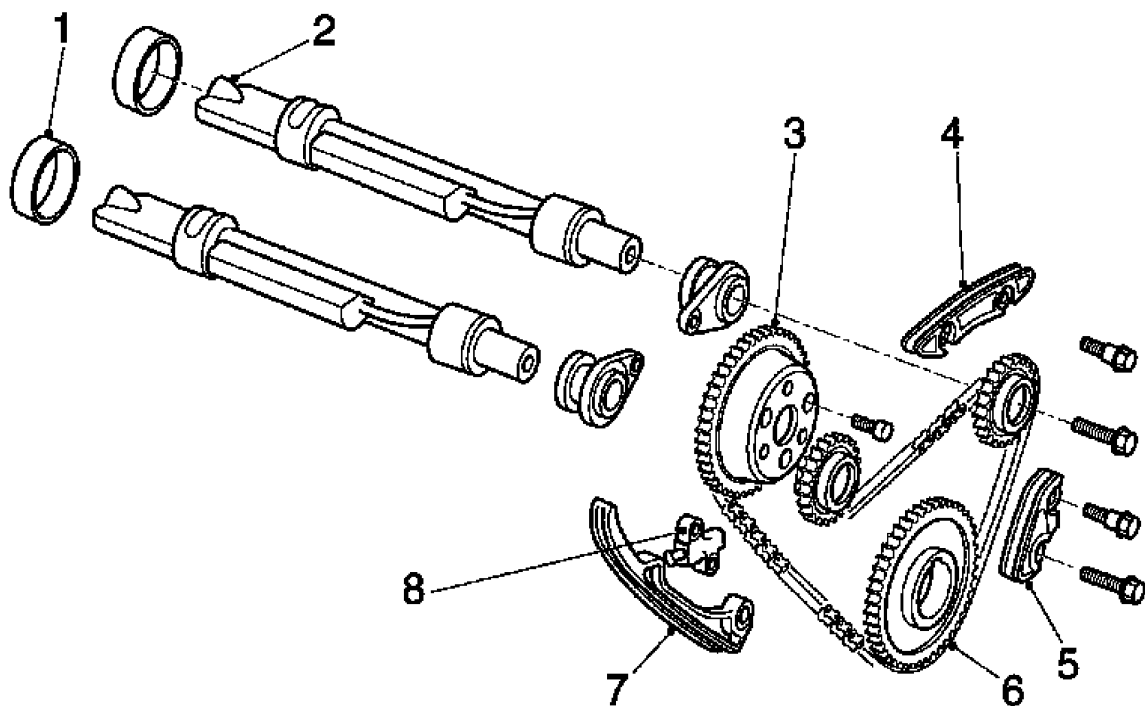


Balancer Shafts

The two balancer shafts are located along each side of the cylinder block. The inner end of each balancer shaft rotates in a plain bearing, which is pressed into the cylinder block. The outer end of each balancer shaft rotates in a bearing, which is installed in a carrier.

The balancer shafts are driven in opposite directions by a simplex chain. The chain travels across two guide rails and a tensioner arm; chain tension is maintained by a hydraulic chain tensioner.

- 1 Balancer shaft, exhaust side
- 2 Balancer shaft, intake side
- 3 Sprocket, water pump
- 4 Guide rail
- 5 Guide rail
- 6 Sprocket, crankshaft
- 7 Tensioner arm
- 8 Chain tensioner



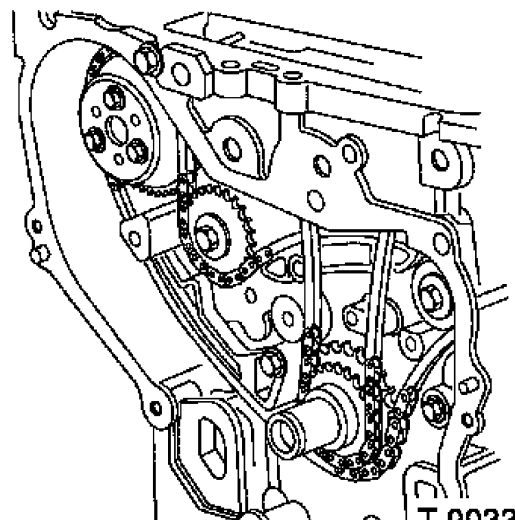
T 9032

9.10.3 Balancer Shafts (continued)

• Service

The timing marks on the sprockets are aligned with coloured links in the chain as follows:

- Copper link - balancer shaft, intake side.
- Silver link - crankshaft.
- Silver link - balancer shaft, exhaust side.



T 9032

Another silver link, the position of which is unimportant, is wrapped onto the sprocket for the water pump.