

## Disassembly and Assembly

3304 & 3306 VEHICULAR ENGINES FPR 14G, 12G, 120G, 130G, & 12

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SEN71440083

## Balancer Shaft Bearings

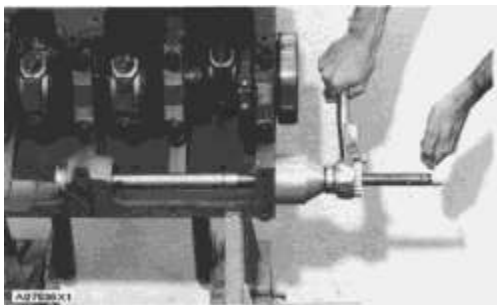
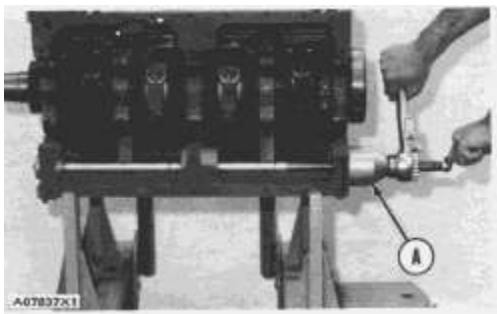
SMCS - 1220-28

### Remove Balancer Shaft Bearings

	Tools Needed	A
8S2241	Camshaft Bearing Tool Group	1
8H684	Ratchet Box Wrench	1

start by:

- a) remove flywheel housing
- b) remove oil pan plate
- c) remove oil pump
- d) remove balancer shafts

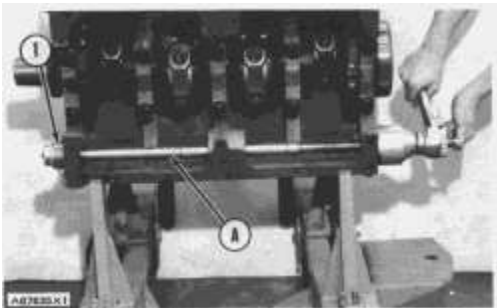


1. Remove the front bearing for the balancer shaft with tooling (A).

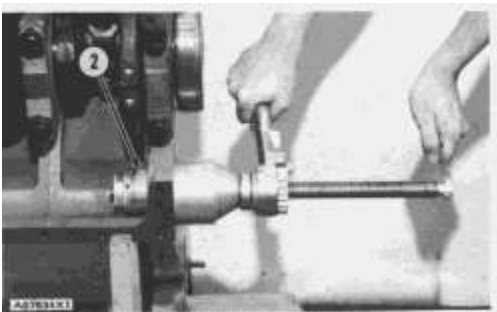
2. Remove the center bearing for the balancer shaft with tooling (A).
3. Remove the rear bearing for the balancer shaft with tooling (A).
4. Do Steps 1, 2 and 3 again for the other balancer shaft bearings.

## Install Balancer Shaft Bearings

	Tools Needed	A
8S2241	Camshaft Bearing Tool Group	1
8H684	Ratchet Box Wrench	1



1. Install balancer shaft front bearing (1) with tooling (A). Make sure the oil hole in the bearing is in alignment with the oil hole in the cylinder block. The bearing must be  $.03 \pm .02$  in. ( $0.8 \pm 0.5$  mm) inside the end of the cylinder block after installation.
2. Install the balancer shaft center bearing with tooling (A). Make sure the oil hole in the bearing is in alignment with the oil hole in the cylinder block.



3. Install balancer shaft rear bearing (2) with tooling (A). Make sure the oil hole in the bearing is in alignment with the oil hole in the cylinder block. The bearing must be  $.03 \pm .02$  in. ( $0.8 \pm 0.5$  mm) inside the end of the cylinder block after installation.

end by:

- a) install balancer shafts
- b) install oil pump
- c) install oil pan plate

**d)** install flywheel housing

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