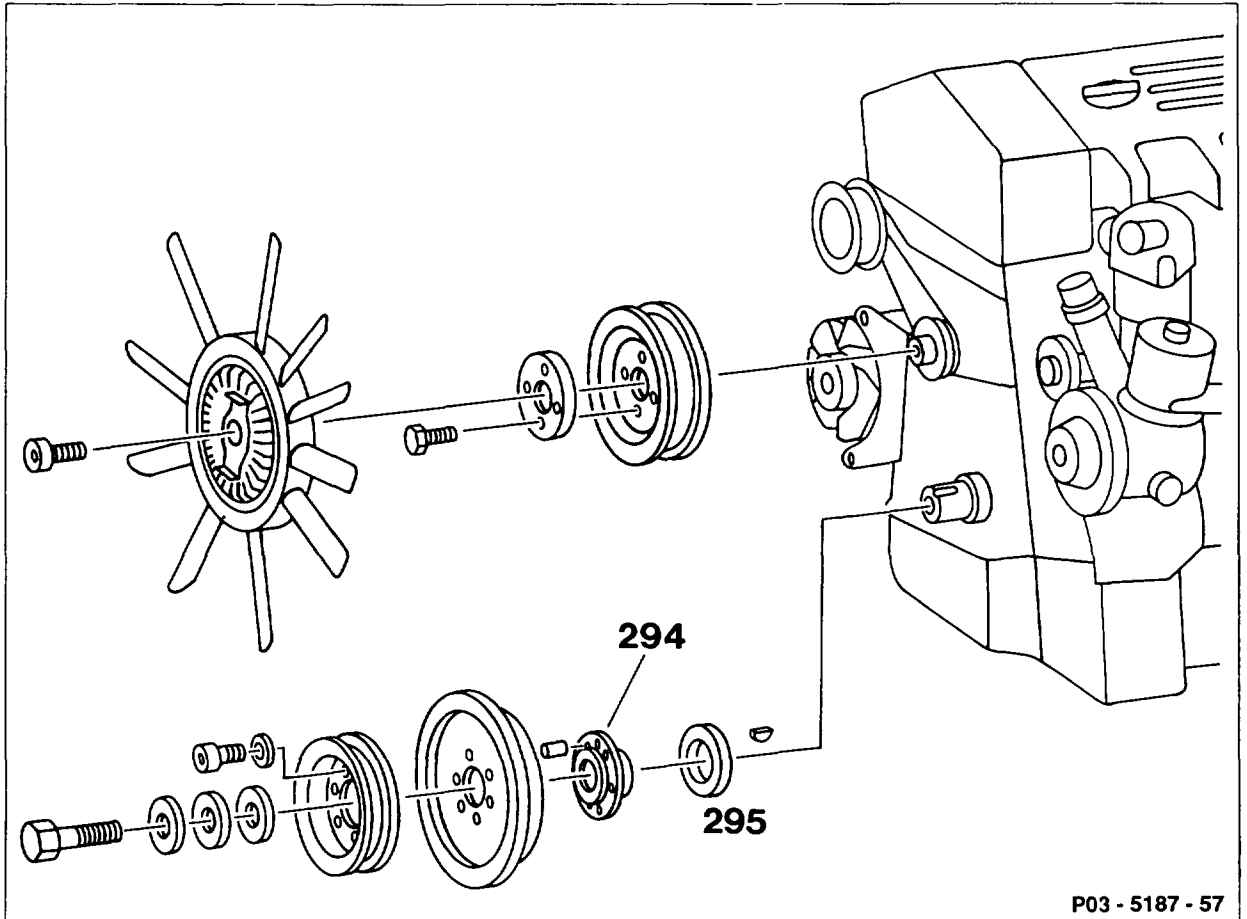


## 03-3240 Replacing front crankshaft radial seal

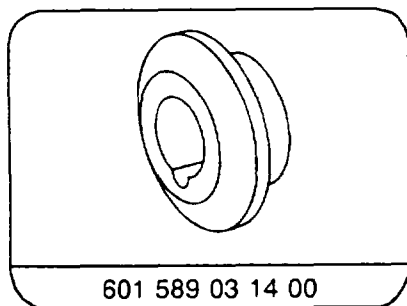
Preceding work:  
Belt pulley, vibration damper and hub removed  
(03-3420).

Operation no. of operation texts and work units or standard texts  
and flat rates  
03-3000 - 03-3112



Contact surface of hub (294) .....	check (step 1).
Radial seal (295) .....	remove (step 2).
Mounting hole .....	clean, deburr.
Sealing lip of radial seal (295) .....	oil (step 4).
Radial seal (295) .....	install with insertion sleeve 601 589 03 14 00 (steps 5 to 7).
Engine .....	run, check for leaks.

## Special tool



### Note

An oil leak can be found after spraying the cleaned and dried surrounding area with Mercedes-Benz white contrast spray 000 989 03 59 00.

## Replacing

1 Check contact surface of hub of belt pulley/vibration damper; if contact surface has grooves, use repair size radial seal with a sealing lip positioned to the inside.

2 Press out radial seal (295) with a screwdriver.



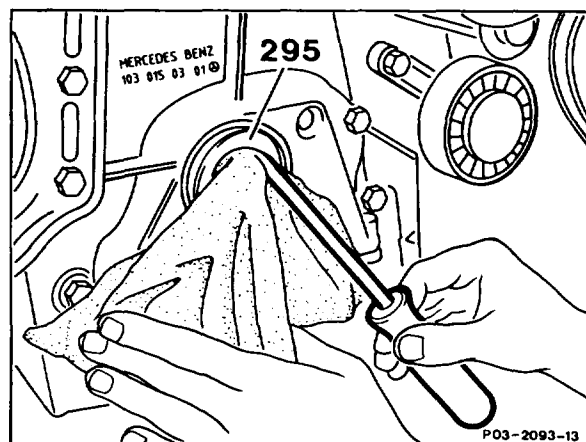
Do not damage crankshaft and mounting hole for radial seal; use clean rag as base.

3 Deburr edge of mounting hole for radial seal.

4 Oil sealing lip of radial seal (295).



Do not use grease! Grease prevents the sealing lip of the radial seal transporting back the engine oil.



5 Fit radial seal (295) onto the insertion sleeve (1) 601 589 03 14 00.

6 Push on insertion sleeve (1) so that the groove in the insertion sleeve (1) is aligned with the Woodruff key (2).

7 Pull in insertion sleeve (1) as far as the stop with bolt (9) and 3 dished washers (8).

**Note**

The radial seal must be positioned at right angles to the crankshaft journal otherwise proper sealing is not assured.

Position of sealing lip  
A = Standard position of radial seal  
B = Repair position of radial seal

8 Install belt pulley/vibration damper (03-3420).

9 Run engine, check for leaks.

