

## N. Removal and Installation of Counterweight on Crankshaft

### Removal:

1. If the counterweight has to be removed with the engine in the vehicle, the radiator must be removed beforehand (see Job No. 50—1).
2. Remove the shoulder screw (4) which fixes the pulley and the counterweight to the crankshaft, and take off the washer (3) and the pulley (1), then pull the counterweight (2) using Puller 000 589 17 33 off the crankshaft (Fig. 01—4/38).

**Note:** In later versions the washer (3) was welded to the pulley (1).

### Installation:

3. Fit the counterweight to the crankshaft extension pin and turn the counterweight so that the bores for the dowel pins are lined up. Then drive in the two dowel pins.
4. Fit the pulley (1) with washer (3) and tighten up the fitted parts firmly by means of the shoulder screw (4).

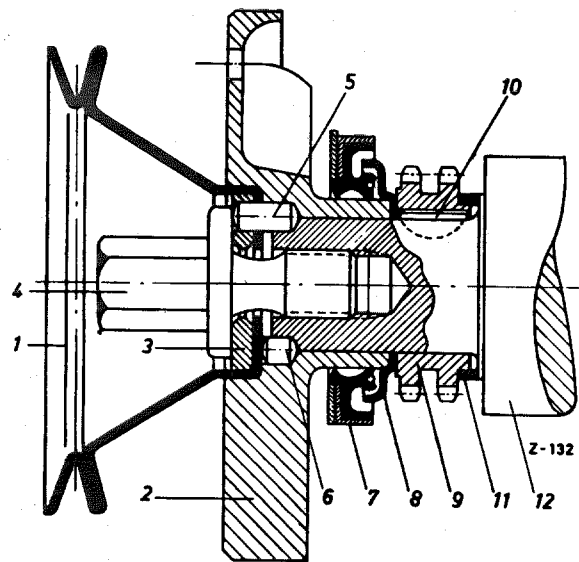


Fig. 01—4/38

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|----------------------------|-----------------------|
| 1 Pulley                   | 7 Oil seal            |
| 2 Counterweight            | 8 Oil thrower         |
| 3 Washer                   | 9 Crankshaft sprocket |
| 4 Shoulder screw           | 10 Woodruff key       |
| 5 Dowel Pin 8 h 8×16 DIN 7 | 11 Compensating ring  |
| 6 Dowel Pin 8 h 8×8 DIN 7  | 12 Crankshaft         |