

## 03-350 Removal and installation of crankshaft sprocket

---

### Tightening torques

Nm

Screw to crankshaft front

270-330

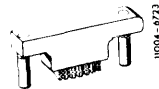
Fastening screw for camshaft sprocket

80

---

### Special tools

Detent (starter flange)



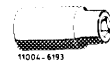
116 589 01 40 00

Torque wrench, 3/4" square,  
150-500 Nm



001 589 31 21 00

Socket 27 mm 1/2" square



001 589 65 09 00

---

### Conventional tool

Connection 3/4" square socket  
to 1/2" square head

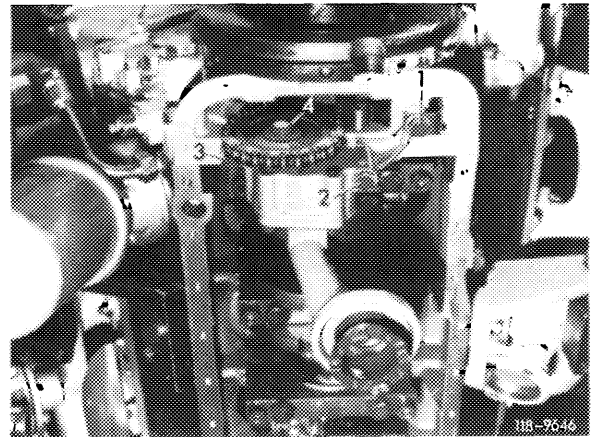
e.g. made by Hazet, D-5630 Remscheid  
order No. 1058 RI

---

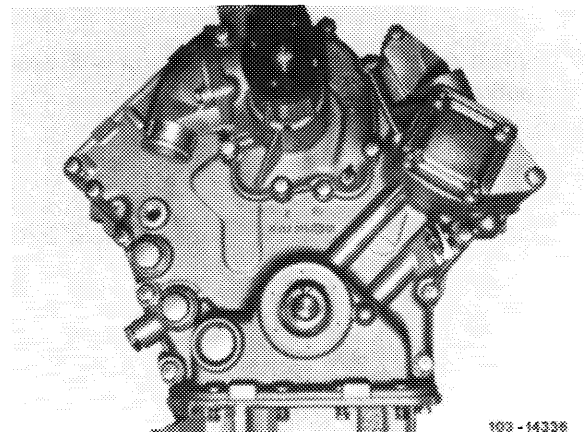
### Removal

---

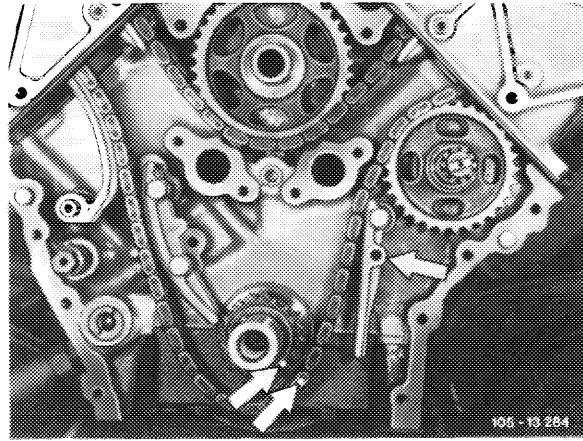
- 1 Remove oil pump (18-210).



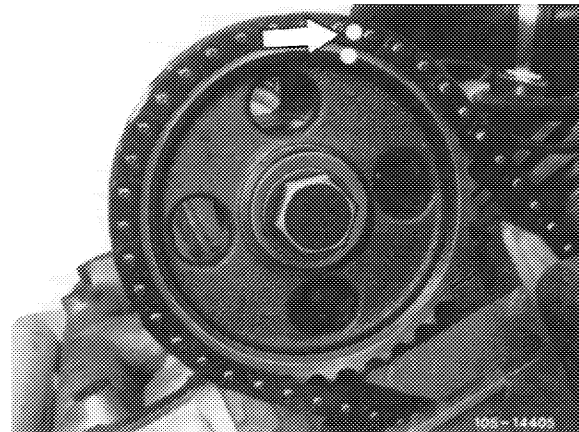
- 2 Remove timing housing over (01-210).



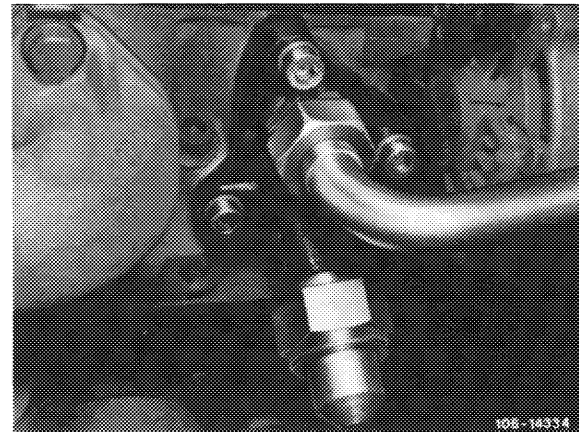
3 Mark crankshaft sprocket together with timing chain (arrows).



4 Mark righthand camshaft sprocket together with timing chain and remove.



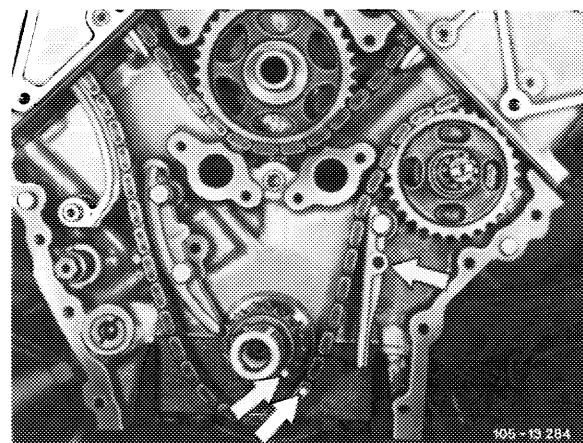
5 Remove chain tensioner (05-312).



Exhaus gas version

6 Loosen lefthand slide rail (arrow).

7 Pull off crankshaft sprocket manually or with two-arm puller.



## Installation

---

8 Transfer marking from old to new crankshaft sprocket.

9 Slip crankshaft sprocket on crankshaft.

10 Place timing chain on crankshaft sprocket in such a manner that the markings are in alignment (also refer to 05-434).

11 For further installation proceed vice versa.

