

2001 Volvo V70 XC AWD L5-2.4L Turbo VIN 58 B5244T3 (VC Pinion Seal, Replacing)

Viscous Coupling / Pinion Seal, Replacing

Special tools : 998 5972, 999 5069, 999 5745

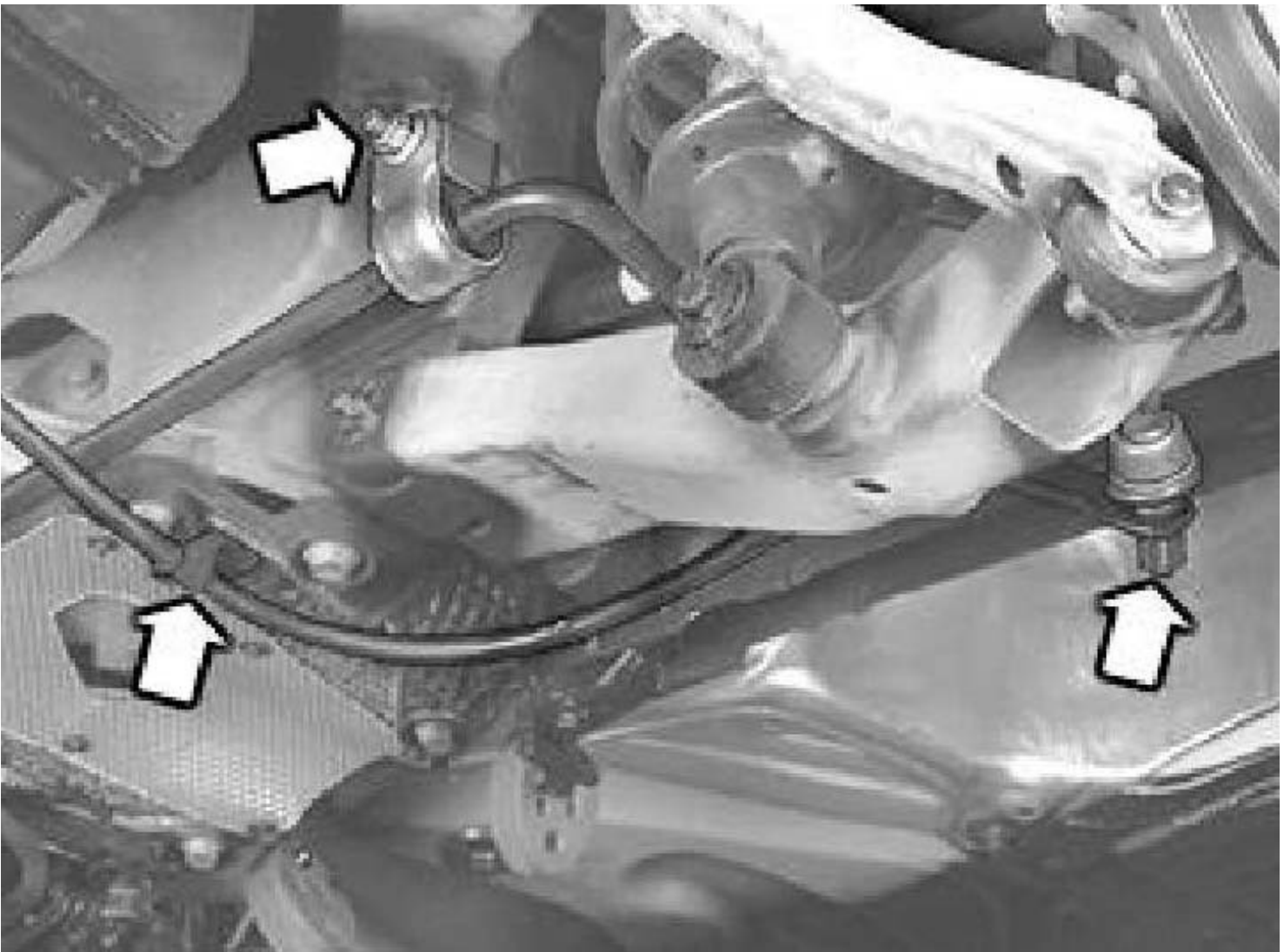
Note: As the illustrations in this service information are used for different model years and/or models, some variation may occur. However, the essential information is always correct.

Removing the propeller shaft

Remove the propeller shaft.

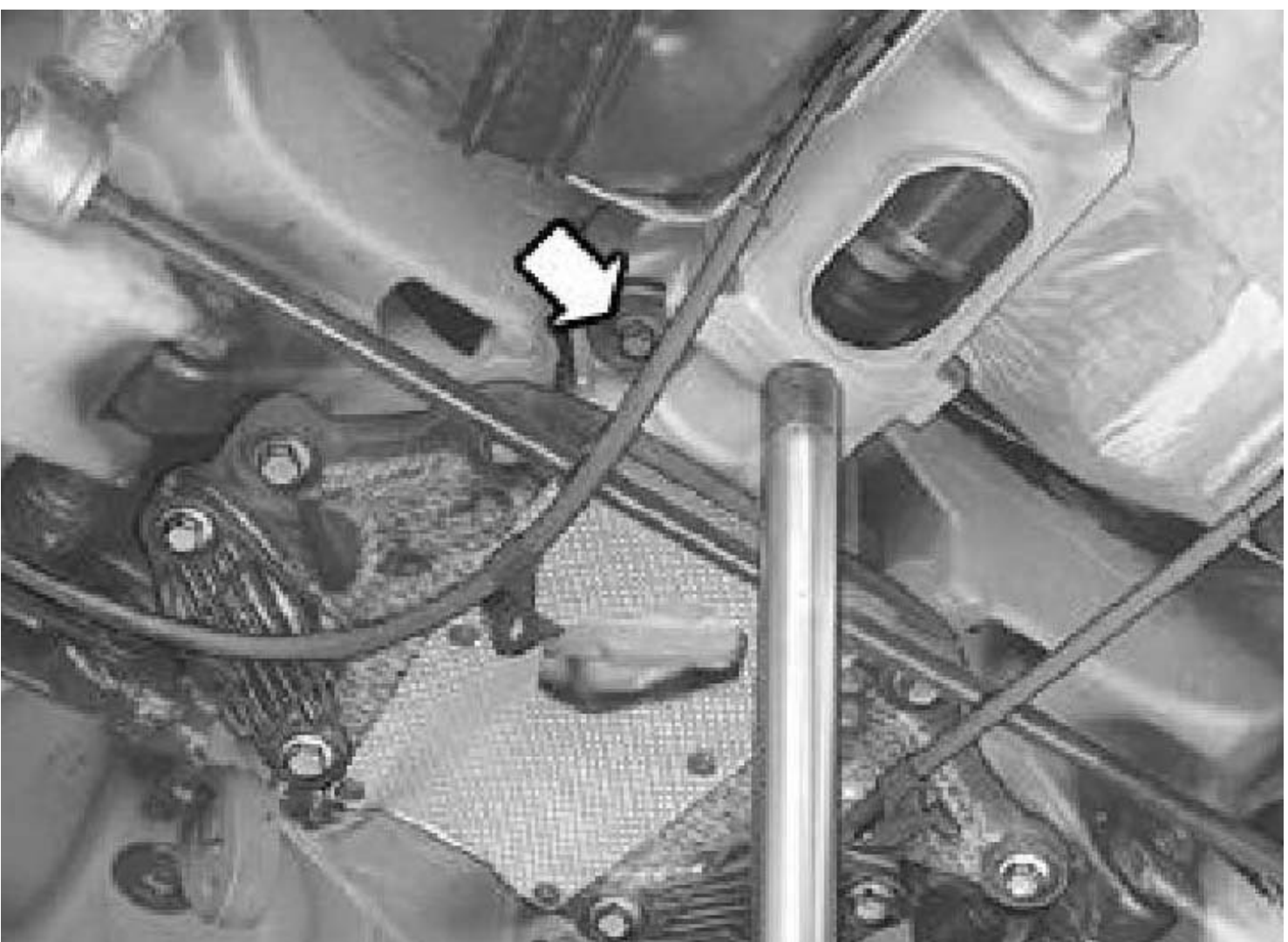
Removing the anti-roll bar

Remove:



- * the parking brake cable mountings in the cover
- * the anti-roll bar from the control arms and rear axle member. Leave the anti-roll bar hanging in position.

Removing the screw in the final drive housing



Position mobile jack 998 5972 in contact with the viscous coupling housing.

Remove the screw holding the final drive housing to the member.

Removing the viscous coupling housing



Position a drip pan under the final drive and viscous coupling.

Pull the viscous coupling housing straight out.

Checking the viscous coupling housing and viscous coupling

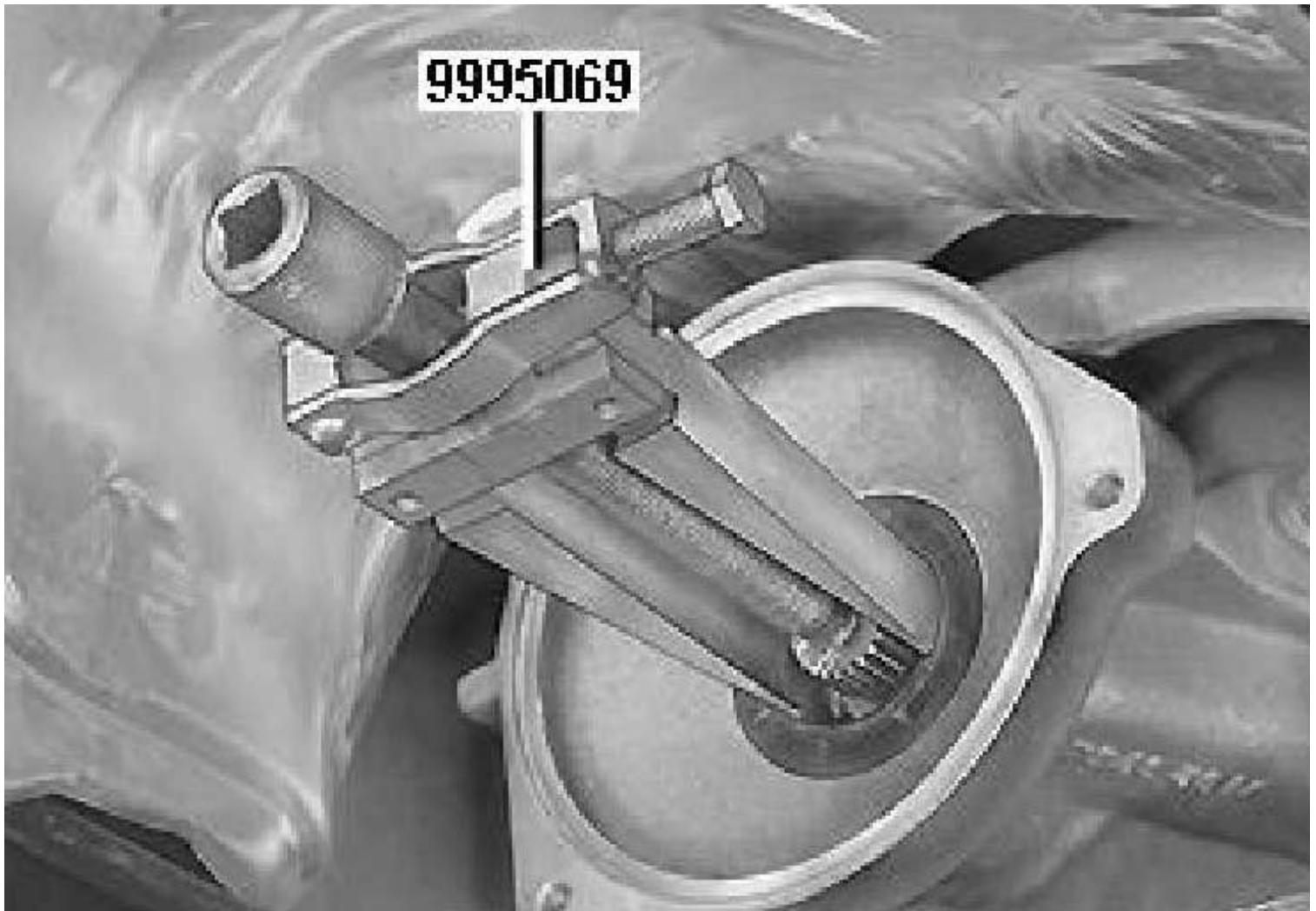
Check the bearing for play and noise.

Check the viscous coupling mating surface with the pinion seal.

To replace the viscous coupling or bearing, see Bearing viscous coupling, replacing.



Removing the pinion seal

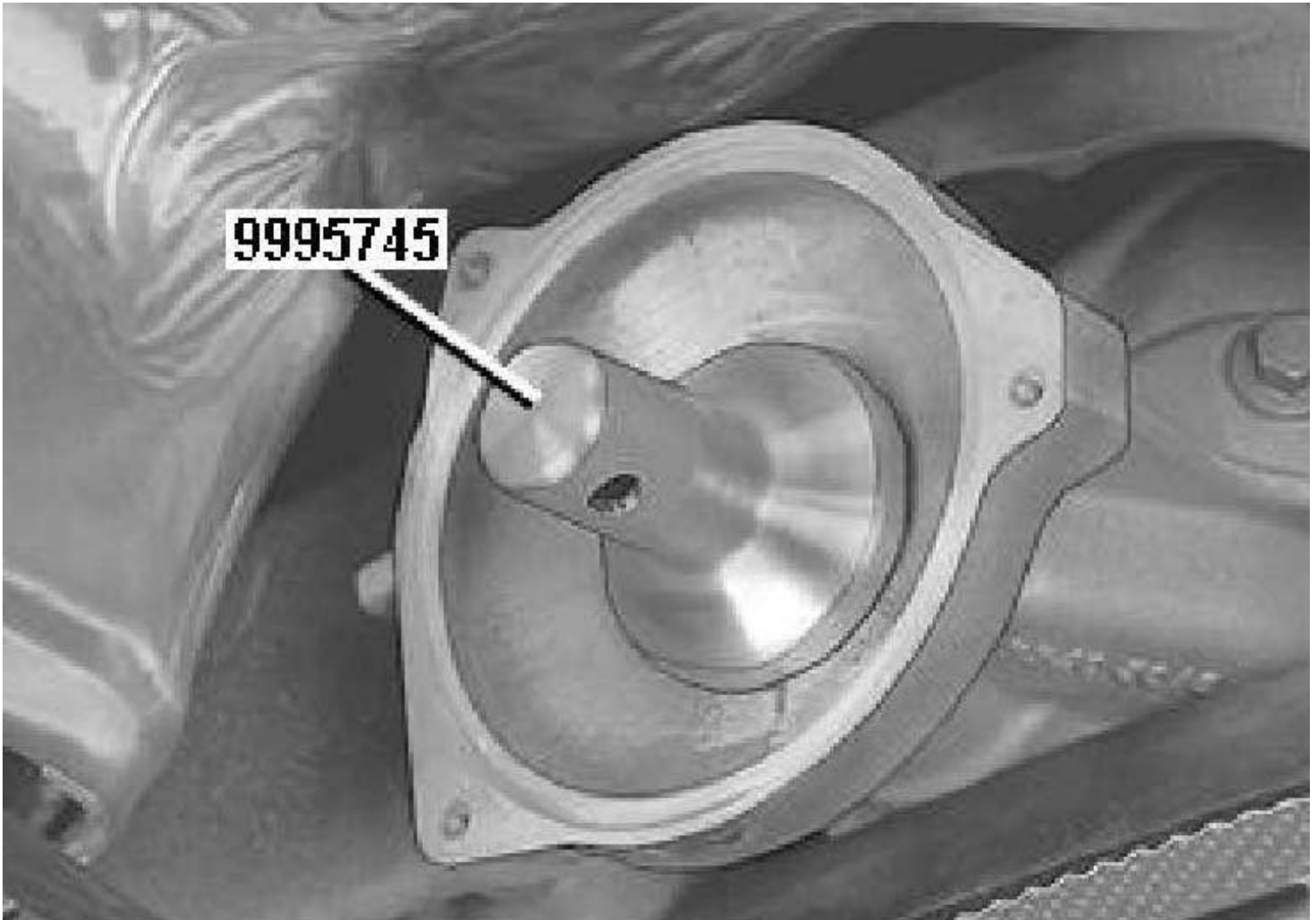


Use puller 999 5069 to remove the seal.

Check for seal residue.

Installation

Installing the pinion seal



Lubricate the sealing ring lip with wheel bearing grease.

Use drift 999 5745 for installation. Tap in the seal until the tool is in contact with the final drive housing.

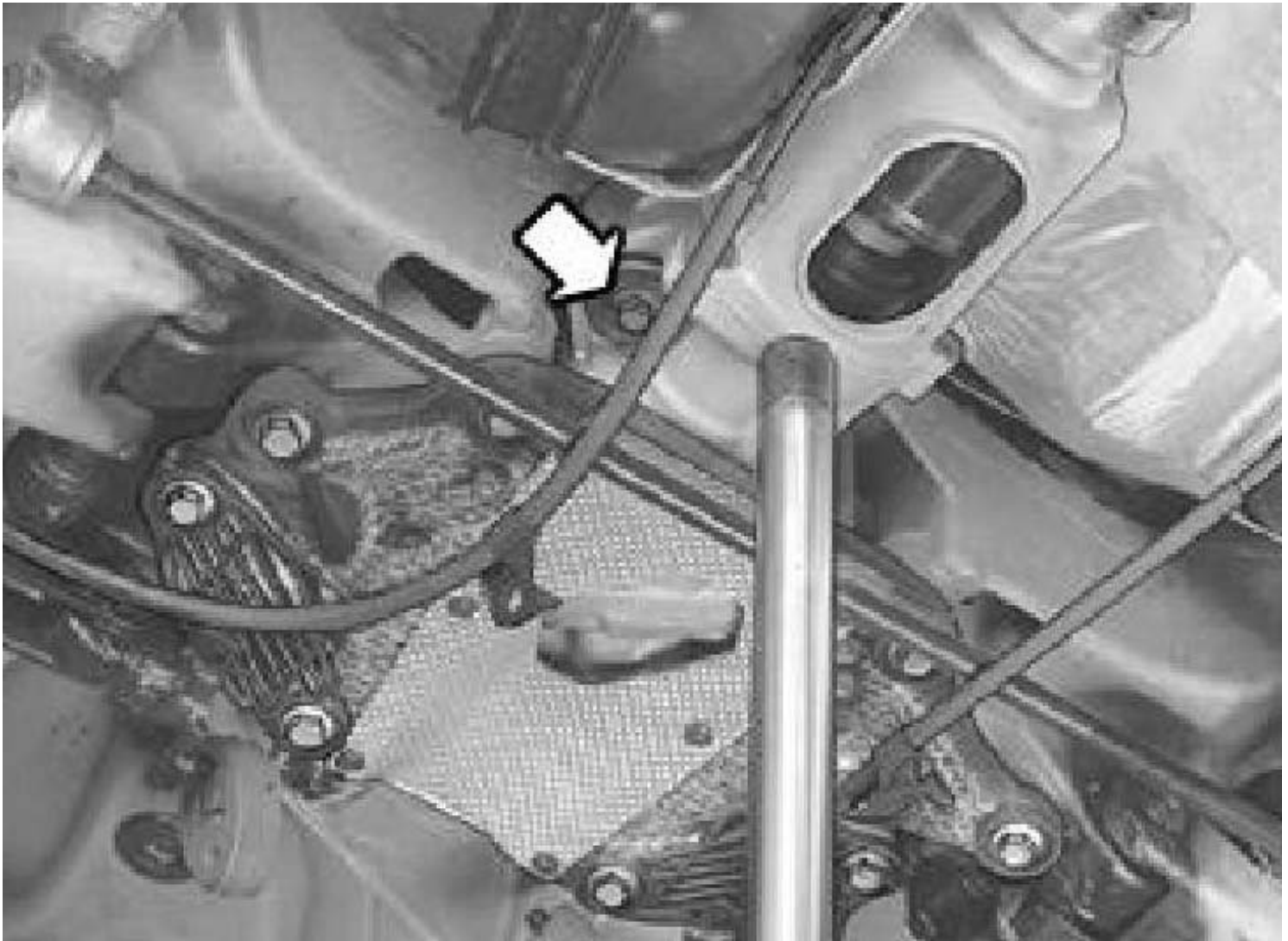


Installing the viscous coupling housing

Check that the mating surfaces between the final drive and the viscous coupling housing are clean.

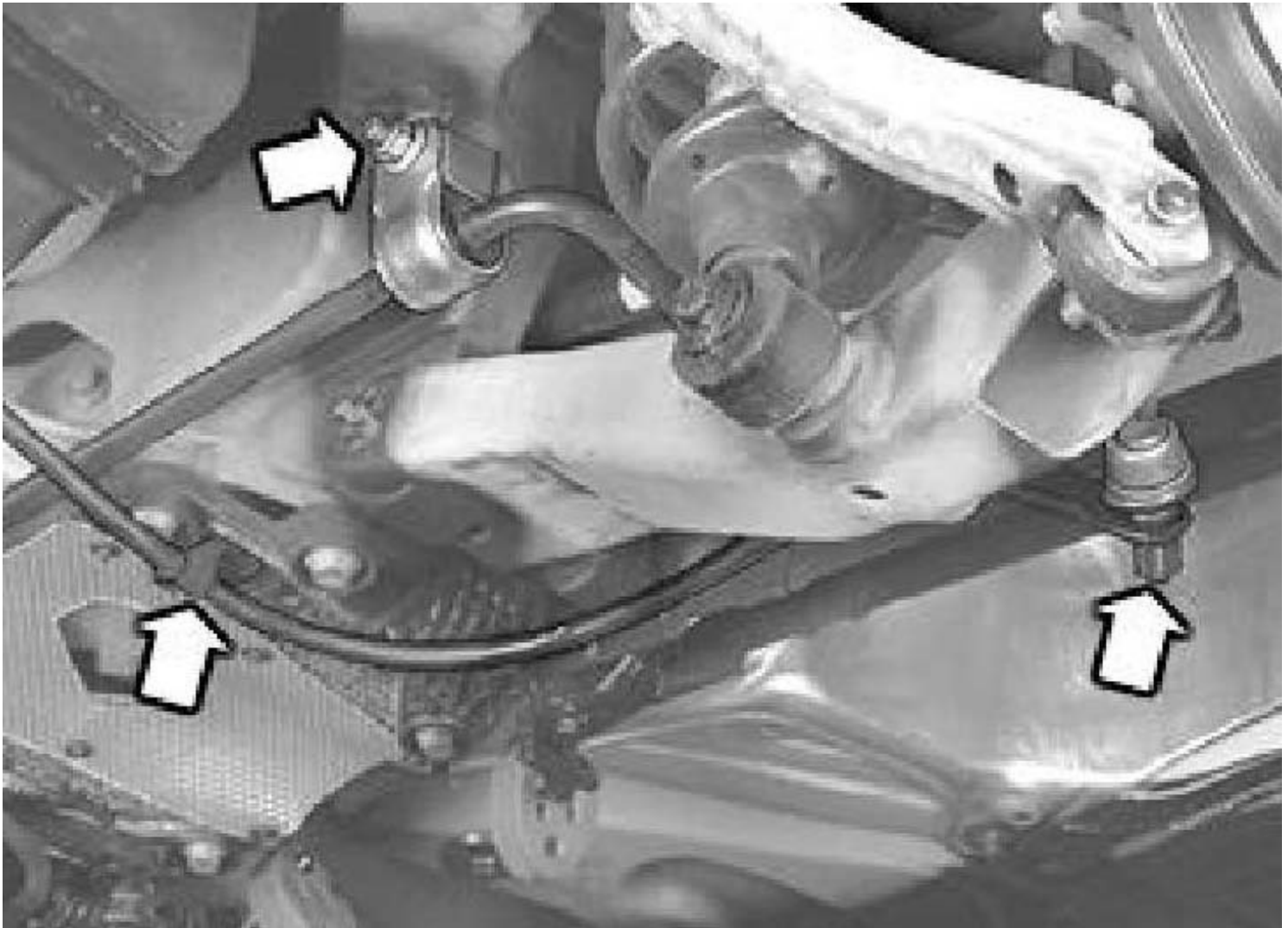
Lubricate the mating surface on the viscous coupling.

Install the housing with the viscous coupling onto the final drive. Tighten the screws. Tighten to **25 Nm** .



Installing the screw for the final drive housing

Position the mobile jack under the front of the final drive housing. Bring it into light contact. Install the screw for the final drive housing and member. Tighten to **80 Nm** .



Installing the anti-roll bar

Install the anti-roll bar on the rear axle member.

Tighten to **80 Nm** .

Tighten the control arms to the anti-roll bar.

Tighten to **50 Nm** .

Install the parking brake cable mountings onto the cover. Tighten to **10 Nm** .

Installing the propeller shaft

Install the propeller shaft.