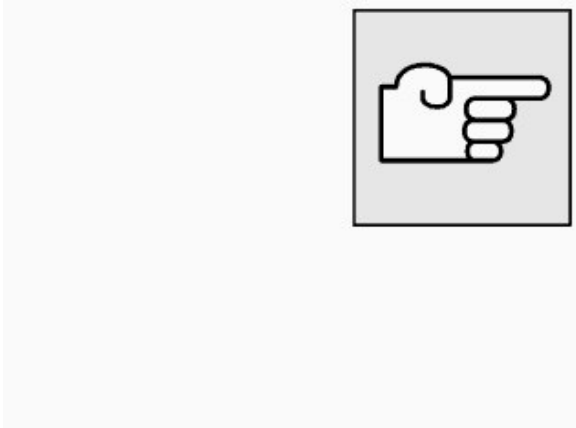


Note:

Illustrations show the S50.

The procedure is identical for the S54.



Unscrew oil sump.

Note:

After removing oil sump, reinstall front axle support provisionally and remove special tool 00 0 200.

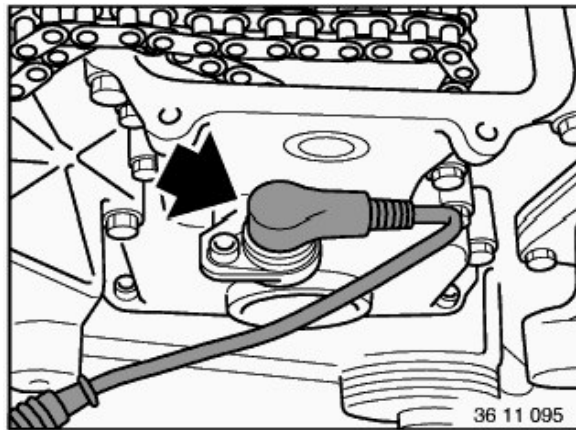
Remove cylinder head.

Remove vibration damper.

Remove radial seal.

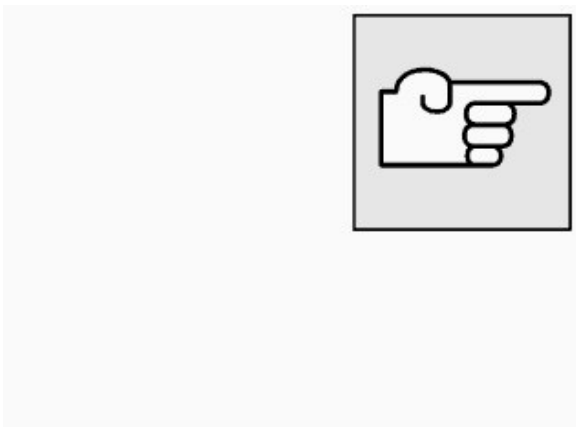
Note:

Install new radial seal only after installing timing case cover.

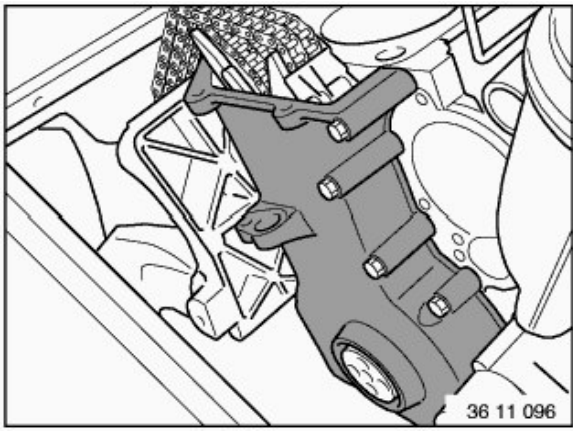


S50 only

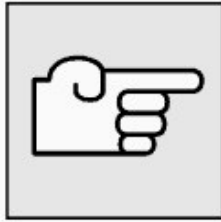
If necessary, remove pulse generator from timing case cover.



Remove vane pump from timing case cover (lines remain connected).



Unfasten screws and remove timing case cover.



Note:

Dowel pins for location purposes are pressed into the timing case cover.

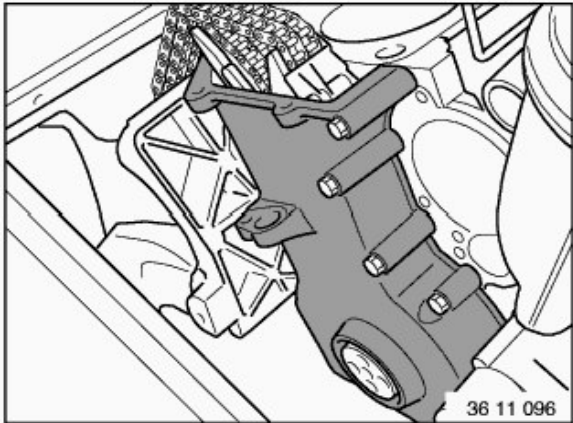
Installation:

Keep sealing faces clean and free of oil. Check dowel pins for damage and correct installation position.

Replace seals.

Apply a thin coat of Drei Bond 1209 sealing compound (refer to BMW Parts Service) to ends of seals at front and rear.

Position seals on dowel pins in timing case cover.



Installation:

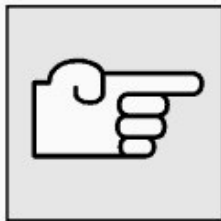
Fit timing case cover with seals, insert all screws and pretighten to approx. 5 Nm.

Fully tighten all screws in alternate sequence.

Tightening torque, 11 14 1AZ.

Caution!

Once all screws have been tightened down, retighten them in a second operation.



Replace radial sealing ring.

Assemble engine.