

BMW Group - AIR: 2023-03-29 / 16:46
Dealer: 32711/06
Model: X5 3.0sd
Vehicle identification number: 5UXFF0C50ALT85087
Development code: E70
Model code: FF03
Lead type: FF03

Repair instruction

Removing and installing/replacing power steering pump for hydraulic steering gear with Dynamic Drive (M57T2) (27 FRU)

32 41 037 | REP-REP-RAE7032-3241037M57T2 - V.3

32 41 037 Removing and installing/replacing power steering pump for hydraulic steering gear with Dynamic Drive (M57T2)



Warning!

Danger of poisoning if oil is ingested/absorbed through the skin!

Risk of injury if oil comes into contact with eyes and skin!

Caution!

Adhere to the utmost cleanliness. Do not allow any dirt to enter the hydraulic system.

Seal off hydraulic lines with seal plugs.



Note:

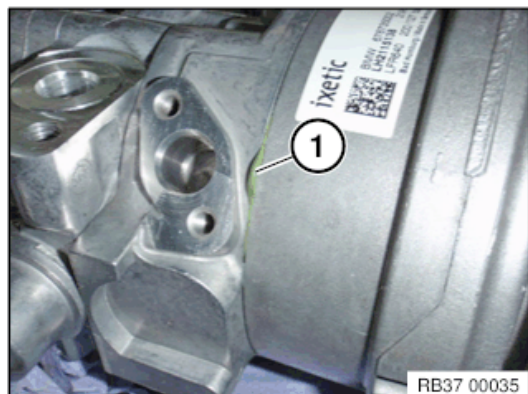
When replacing power steering pump:

Oil reservoir must be replaced in event of metal abrasion, sluggish pump shaft or increased dirt contamination!

The filter integrated in the oil reservoir can only absorb a limited amount of foreign particles. If the filter clogs, the hydraulic system can no longer be sufficiently protected.

Metal abrasion is perceived in the oil reservoir as metallicly glittering hydraulic fluid.

Replacement of the oil reservoir due to a leak (e.g. at the hose connections) is only required with unavoidable high penetrations of dirt.



Caution!

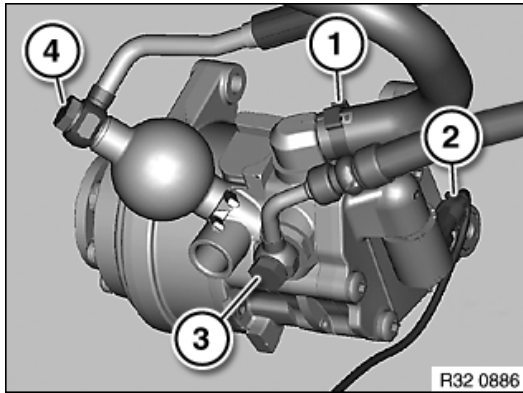
If replacing the pump due to leaks on account of a pressed-out, clearly visible housing gasket (1) (green O-ring), this indicates that Dynamic Drive expandable hose section 1 is damaged.

This must therefore be replaced together with the pump!



Necessary preliminary work:

- Draw off and dispose of hydraulic fluid from oil reservoir
- Remove acoustic cover
- Remove belt pulley
- Remove left charge air line
- Remove top steering gear cover



Release hose clamp (1) and detach intake pipe from power steering pump.

Version with active steering: Disconnect plug connection (2).

Release banjo bolt (4) and remove Dynamic Drive pressure line from power steering pump.

Release banjo bolt (3) and detach pressure line from power steering pump.

Installation note:

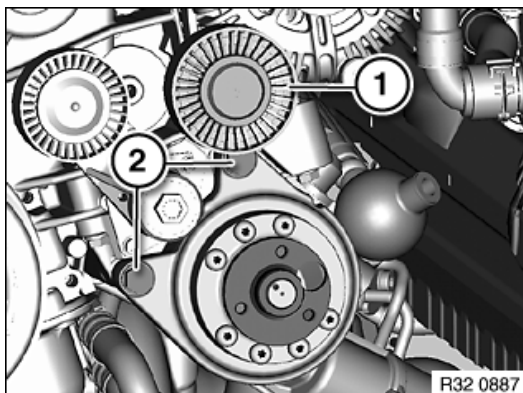
Replace all sealing rings.

Make sure hydraulic lines are laid without tension and with sufficient distance to adjoining components.

The identification (P) of the intake pipe and the bridge of the power steering pump serve as a rough aid to adjustment.

Tightening torque 32 41 4AZ (for hydraulic steering).

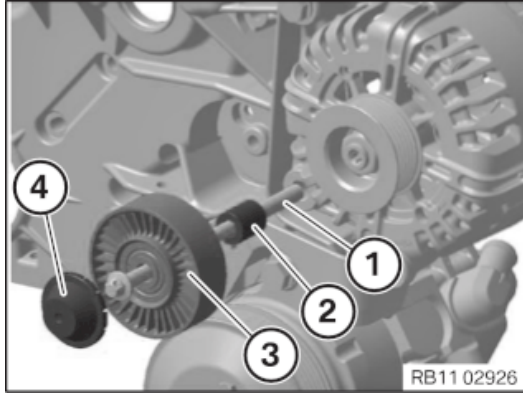
Tightening torque 32 41 9AZ (for Dynamic Drive).



Remove deflecting element (1).

Release bolts (2) and remove power steering pump towards top.

Tightening torque 32 41 3AZ.



Installation note:

If the illustrated state is installed:

Position the deflecting element (3) and spacer sleeve (2) on the long screw (1) as shown.

Tighten screw (1).

Tightening torque: 38 Nm + 2 x 90°

Mount end cover (4).



After installation:

- Fill and bleed hydraulic system
- Check line connections for leaks
- If necessary, carry out Dynamic Drive start-up