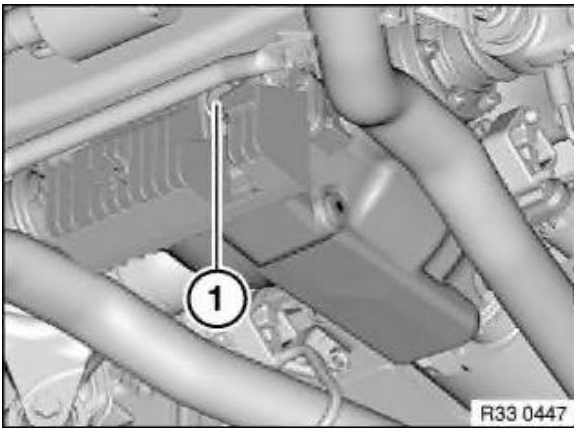


**Important!**

Risk of damage!

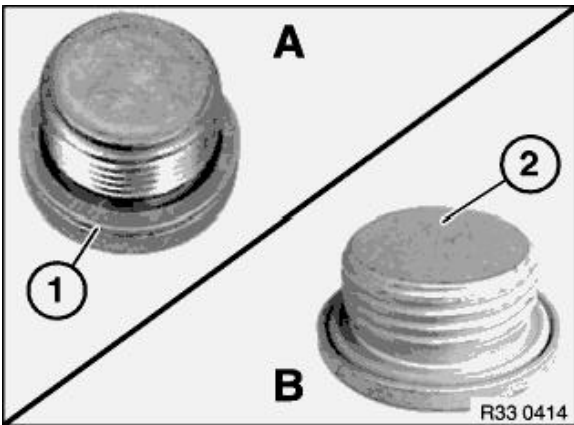
To avoid serious damage to the rear differential, it is essential to use only approved gear oils in the differential.



Undo oil filler plug (1).

Check oil level.

If necessary, pour in rear differential oil up to lower edge of opening for oil filler plug (1).

*Installation:*

A) Oil filler plug with sealing ring:

Replace sealing ring (1).

Tightening torque: 33 11 3AZ .

B) Oil filler plug with O-ring:

Replace oil filler plug (2).

Tightening torque: 33 11 9AZ .

### 33 11 Rear Differential Case with Cover

	Type	Thread	Tightening specification	Measure
1AZ Case Covers Transmission allocation	E36, E38, E39, E46, E53, E60, E61, E65, E66, E83, E85, E86	M10 8.8	168N 168K 188 188N 188K 210 210N 215	45 Nm
	E46, E83, E85	M10 10.9	168K	55 Nm
	E38, E39, E46, E53, E60, E61, E65, E66, E83, E85	M10 10.9	188K	55 Nm
	E46, E53, E60, E61, E63, E64, E65, E66, E67, E83	M10	215K	90 Nm
	E38, E39, E52	M10x25 10.9	220K	90 Nm
	E38, E39, E52	M10x75 10.9	220K	110 Nm
	E38, E39, E52	M10x67 10.9	220K	130 Nm
	E65, E66, E67	M10	230K	90 Nm
	E85	M10 10.9	168L	55 Nm
	E60, E61, E63, E64	M10 10.9	188L 188LW	55 Nm
	E65, E66, E83, E85, E86	M10 10.9	188L	55 Nm
	E60, E63, E64	M10 10.9	215 with lock	60 Nm
	2AZ Side bearing cap (insert into through bore-holes only new coated screws or screws with Loctite 270)	E12, E21, E23, E24, E28, E30, E31, E32, E34, E36, E38	M8	Type M, G

	E12, E21, E28, E30, E34, E36, E38, E39	M8	Type K  Jointing torque Torque angle	10 Nm  40 °
3AZ Oil fill and drain plug with sealing ring	E30, E31, E32, E34, E36, E38, E39, E46, E52, E53, E60, E63, E83, E85, E86		Replace sealing ring	65 Nm
4AZ Drive flange, right	E34 / 525ix	M10		59 Nm
5AZ Drive flange, left (always replace screws)	E34 / 525ix	M14 x 1.5	Jointing torque  Torque angle	90 Nm  100 + 4 °
6AZ Oil cooler connection to rear differential	E31			35 Nm
7AZ Union nuts pipe oil cooler	E31			17 Nm
8AZ Vibration damper on bracket	E38, E39, E46			77 Nm
9AZ Oil filler and oil drain plugs with O-ring on cover / housing	E30, E31, E32, E34, E36, E38, E39, E46, E52, E53, E60, E61, E63, E64, E65, E66, E67, E83, E85, E86		Replace oil filler and oil drain plugs	60 Nm