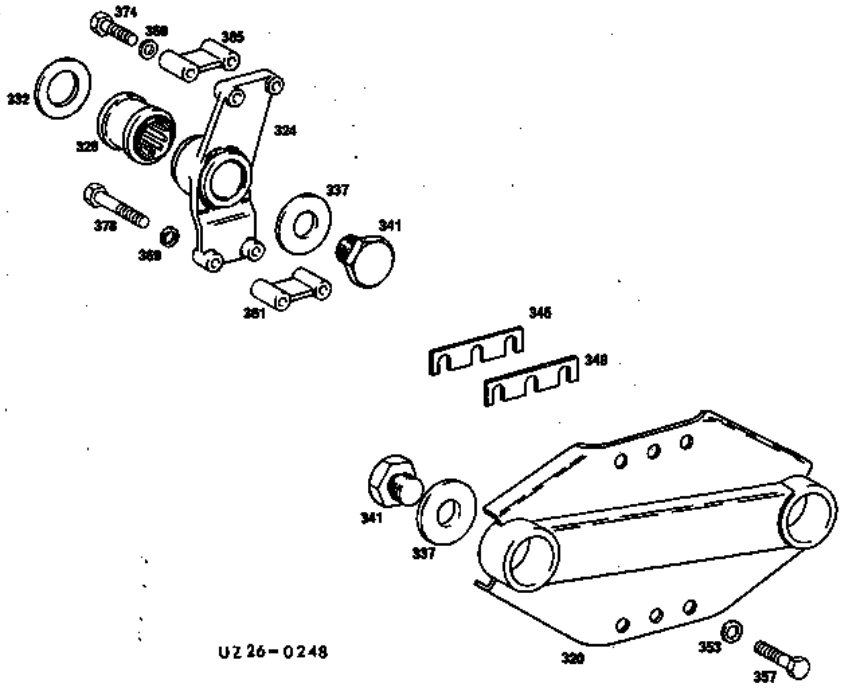
Capacities

Designation	Service product	SAE class	Capacity (L)	Transmission model/SA
Main transmission	Transmission oil	80[1])	11,5	718.81
– with working gear group		80 W[1]) 80 W/85 W[1])	12,0	35.736
– with crawler gear group		90[2]) 85 W/90[2])	13,0	

1) optional
2) In hot zones

Transmission bearing – Tightening torques



Cons. No.	Designation	Thread strength	Nm
341	Transmission bearing, left and right to frame	M 36 x 1,5 x 24	180
357	Transmission bearing on the left	M 16 x 1,5 x 65 – 12.9	340
378	Transmission bearing on the right	M 12 x 1,5 x 112 – 12.9	145
374		M 12 x 1,5 x 105 – 12.9	

Expendable materials

Cons. No.	Designation	Part Number
1	Loctite 241[1])	002 989 70 71
2	Loctite 573[2])	001 989 45 20

1) Screw locking compound
2) Surface sealing compound

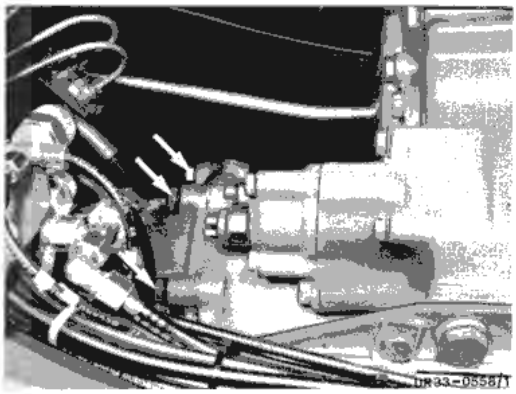
X14 **Removal and installation**

26/2170 **1** Mark and detach gear shift linkage, electric and pneumatic lines. If necessary detach mounts, cable straps etc.

26/09 **2** Unscrew torque ball casing, slide back and unscrew front axle drive shaft.

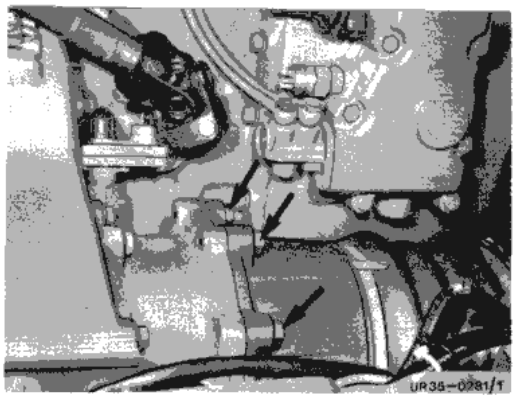
26H65 **Danger!**
Support torque tube.

26/11 **3** Detach ALB linkage.

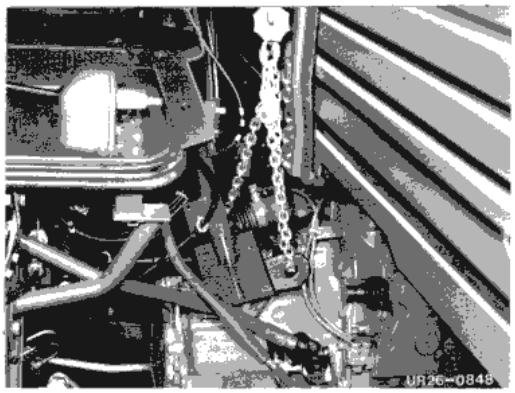


26/12 **4** Unscrew torque ball casing, slide back and unscrew rear axle drive shaft.

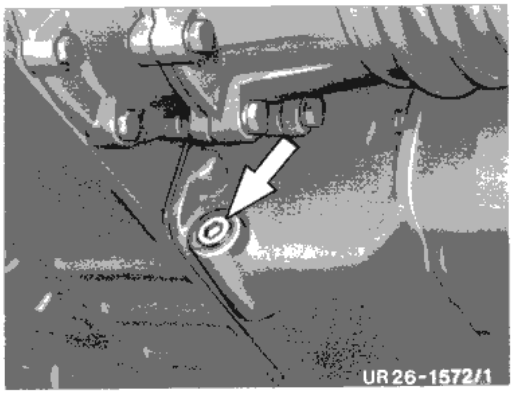
26H65 **Danger!**
Support torque tube.



26/14 **5** Attach special tool and hang main transmission with lifting tackle to crane.

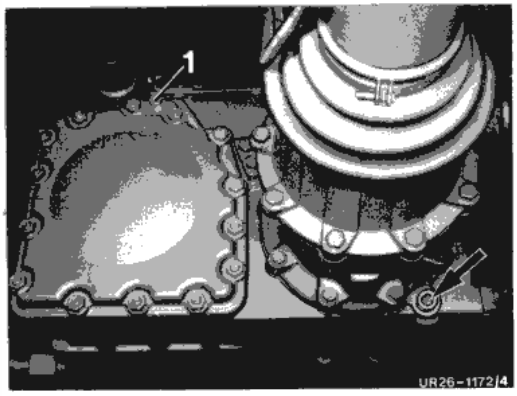


26/15 **6** Drain oil out of planetary gearing.



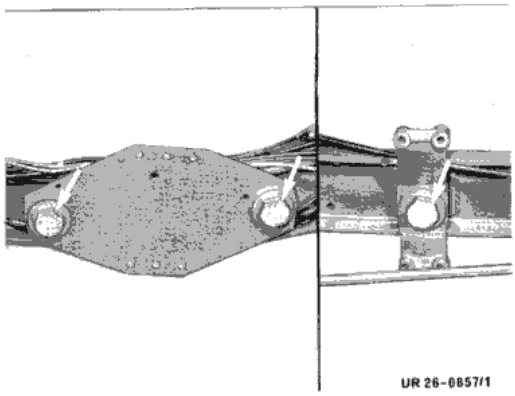
26/16 **7** Drain oil from transfer case.

26H1 **Note:** Check bore (1) for oil pump. With the engine running, oil must flow out of the bore.



26/19 **8** Lower and draw out main transmission.

26/20 **9** Check firm seat of transmission mounts on left and right on frame.
Tightening torques 180 Nm.



26/1122 **10** Installation takes place in the same manner in reverse order, at the same time observe the following:

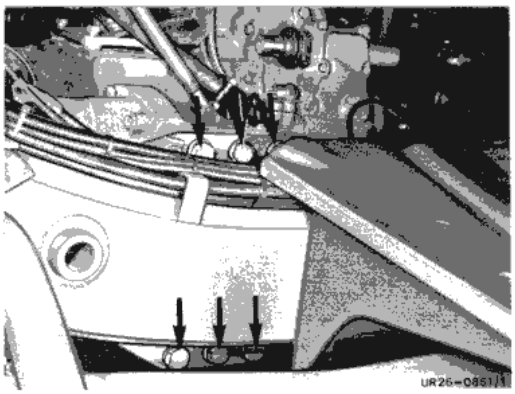
26H2 **Caution!**
Microencapsulated transmission bolts may only be used once, ribbed transmission locking bolts can be used several times.

26/21 – Introduce and lift main transmission.

26/22 – Screw in transmission bolts on the right and tighten to 145 Nm.

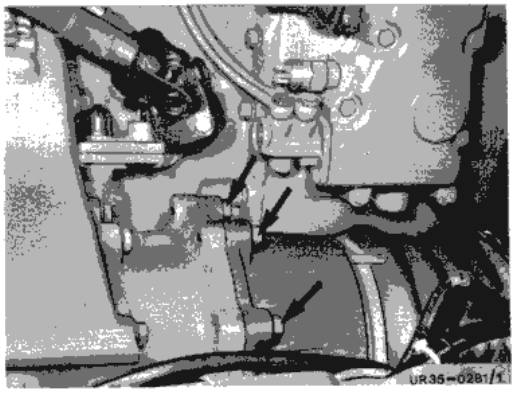
26.
2.1

26/23 – Insert shims and screw in transmission bolts on the left and tighten to 340 Nm.

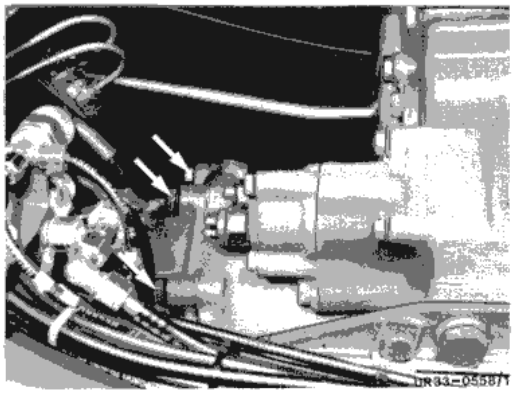


26/25 – Attach rear axle drive shaft, coat torque ball casing with sealant no. 2, bolting in position.

26/2171 – Engage ALB control linkage, adjust if necessary.



26/27 – Bolt on front axle drive shaft. Coat torque ball housing with sealing compound no. 2 and bolt on.



26/34 – Attach safety support and metal cover. Coat bolts with sealing compound no. 1 and screw in.