

Workshop Manual



STILL ELECTRONIC DOCUMENTATION SYSTEM

Electric Fork Truck

**R20-15
R20-16
R20-17
R20-20**



2001 2002 2003 2004 2005 2006 2007

Chassis frame, overhead guard, counterweight

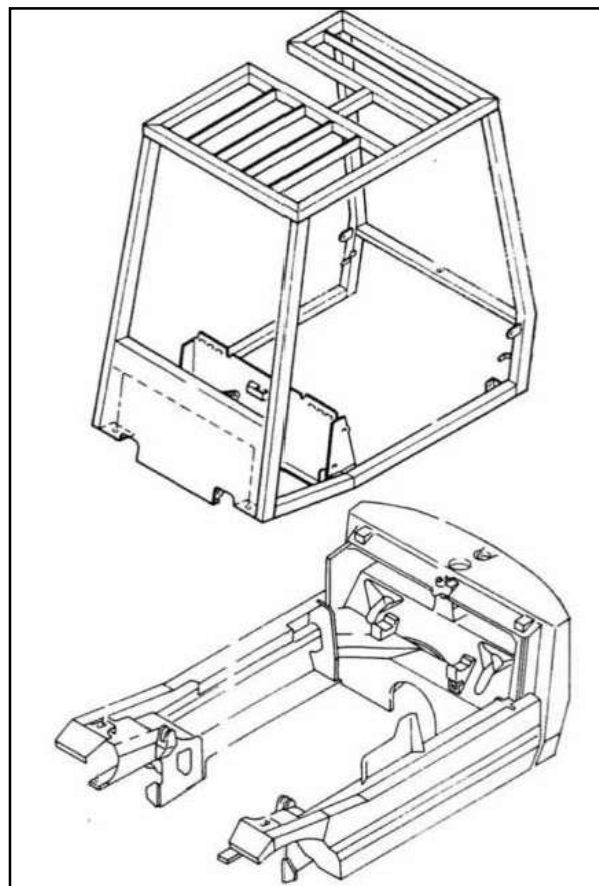
Chassis frame

The welded chassis frame consists of 2 halves.

Operator's overhead guard

Held in place by 3 M14 X 50 8.8 bolts, the overhead guard is a 4-legged structure.

The front cowl and the bulkhead are welded to the overhead guard.



Counterweight

The counterweight is secured to the two frame halves by 4 bolts.

Torque loading

MA = 660 Nm

1 = hex hd bolt M24x1

2 = spherical washer

3 = ball cup

Weight of the counterweight:

800 kgs (1.6 tonnes)

860 kgs (1.75 tonnes)

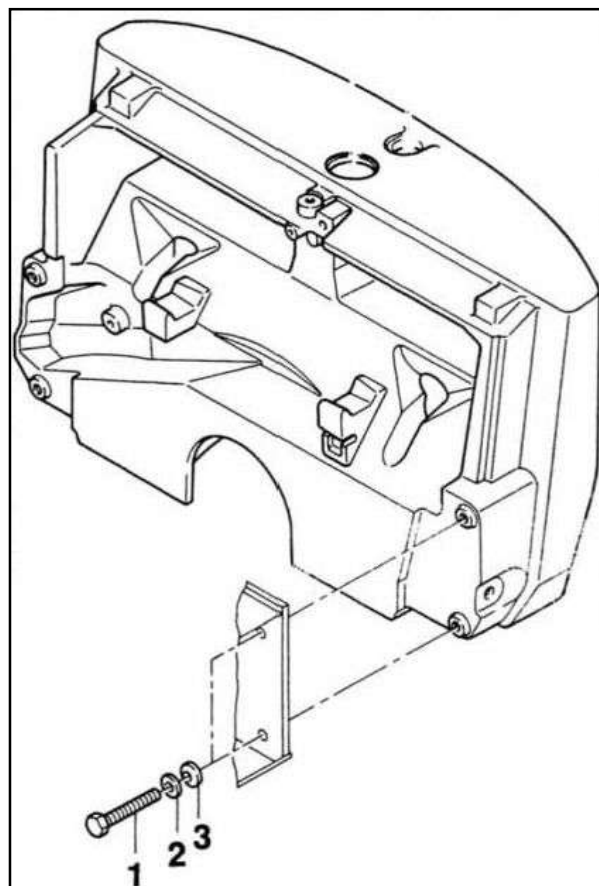
Sequence in which the bolts must be tightened:

1. LH side: 150 Nm

2. RH side: 150 Nm

3. LH side: 660 Nm

4. RH side: 660 Nm



Jacking up

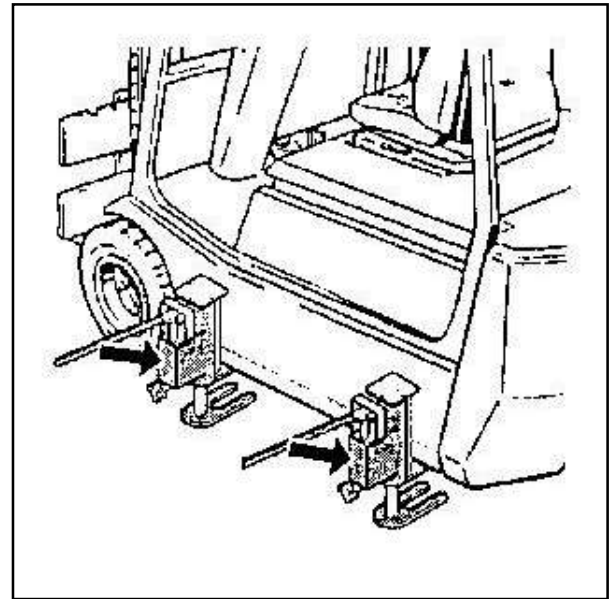
Caution:

**Before jacking up the truck:
Disconnect the battery plug !
Apply the parking brake !**

To carry out certain maintenance tasks the truck must be jacked up.

When jacked up, the truck must be securely chocked against slipping and tipping with suitable means, e.g. wooden blocks.

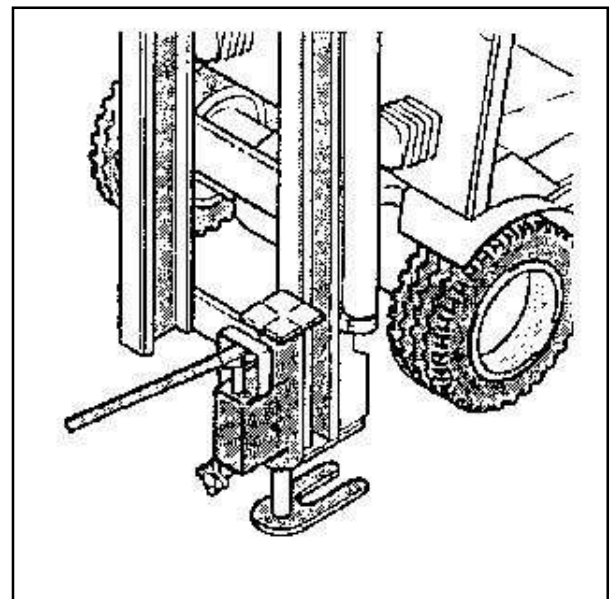
Always make sure only jacks of suitable capacity are used and that the truck is jacked up on level ground and secured against rolling.



Jack up the truck by placing a jack at locations shown in the figures, i.e. beneath the mast right or left and the frame at the front or at the rear.

Do not jack up the truck at the counterweight!

When jacking up the truck at the mast, observe the safety rules for work on the mast.



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