
MOUNTING INSTRUCTIONS FOR THE JAKE REAR AXLE MOUNTING KIT

Carry out the mounting work with extreme care and use the appropriate tools. If problems arise that can not be solved contact the manufacturer immediately.

N.B! Caution must be taken at all times during fitting.

1. Select a firm and even base for doing the mounting work.
2. Prevent the tractor from moving forwards or backward by placing appropriate blocks in the front and back of both front wheels.
3. Prevent the front axle tilting by wedging it against the frame of the tractor.
4. Raise the rear end of the tractor onto appropriate trestles and remove both rear wheels.
N.B.! Care must be taken when raising the tractor on the trestles.
5. If there is no place on the sleeve unit for the cab suspension rubber, then move on to section 8, otherwise continue on from section 6.
6. Remove the fastening screws to the rear axle and raise the cab straight up. Use trestles of appropriate height to place between the cab and the tractor frame to make the cab stay up. Ensure that the cab stays on the trestles. **N.B.! Care must be taken when securing the raised cab.**
7. Mount the cab suspension rubbers to the attachments on the sleeve units, but don't tighten the screws as yet.
8. When necessary, remove the fastening screws of the side regulators.
9. Note down any information which may be stamped on the axle for further reference, prior to grinding in preparation for fitting.
10. Set the sleeve units on top of the axle. Should the metal or plastic parts of the cab or the mudguard require cutting, carry out this cutting. For safety reasons, do not modify the actual body constructions of the cab. **N.B. Modification of the cab frame structure may cause a potential hazard.**
11. Mount the aid frame on the left and on the right but do not tighten the screws as yet. Some tractor's aid frames are quite short.
12. Check the distance between the sleeve units using the adaptor. The shaft entering the sleeve must hit the middle of the sleeve aperture on both sides widthwise. Move the sleeve units when necessary.
13. **Check the orientation of the bottom of the sleeve, e.g. by using two suitably long pieces of flat metal as "straight rulers". When viewed from the side, there must be no significant misalignment. Misalignment can cause the adaptor to become stuck in the sleeve and thereby make loosening the crane more difficult.**
14. Tighten the sleeve unit's fastening screws lightly. Repeat the checking operation described in section 13. Tighten the fastening screws permanently one a little at a time, alternating between the screws.
15. Tighten other screws too, gradually but lightly at first and then permanently, a little at a time and alternating between the screws.
16. If the sleeve unit has no place for the cab's suspension rubber, move to section 19, otherwise continue on from section 17.
17. Lower the cab onto its suspension rubbers. Ensure that the cab is absolutely stable before proceeding to tighten the screws fastening the cab.
18. **Check the functioning of the control devices and levers at the end of mounting before actually using the machine.**

19. Mount the rear wheels back in place and lower the tractor. **Ensure that the metal parts of the cab and the mudguards are not in contact with the JAKE parts** (contact will be indicated by abnormal sounds).
20. In the case of a 3-point or digger adaptor, go on to section 23, and in the case of a flange adaptor go on to section 21.
21. Install the adaptor into the sleeves and tighten the fastening screws coming over the sleeve. It's advisable to liberally lubricate the shaft that goes in the sleeve.
22. Using appropriate lifting equipment, lift the crane onto the adaptor and set the crane's fastening screws in place according to the crane manufacturer's instructions. **N.B. Use only screws whose properties are approved by the crane manufacturer.** Move to section 24.
23. Fasten the 3-point or digger adaptor to the crane/digger using the studs and cotter pins delivered with a crane/digger or with **JAKE**. It's advisable to liberally lubricate the shaft that goes in the sleeve.
24. Remove the wedges you placed between the front axle and the frame as well as the blocks preventing the tractor from moving.
25. Check the tightness of all screws after the first five operating hours and thereafter on a weekly basis.

TIGHTENING VALUES OF THE SCREWS:

<u>Screw</u>	<u>Tightening moment, Nm</u>
M16/8.8	170
M16/10.9	250
M16/12.9	290
M18/8.8	245
M20/8.8	340
M20/10.9	490
M20/12.9	570
M24/8.8	590
M24/10.9	840
M24/12.9	980

A tool with a handle 1 metre long achieves a torque of 10 Nm when applying a force of 1 kg. Using the same tool, a torque of 425 Nm is achieved when applying a force of 42,5 kg.

CRANE CAPACITIES FOR **JAKE** ADAPTORS:

JAKE 600	max. 50 kNm (with over 250 kg harvester, use JAKE 800)
JAKE 800	max. 80 kNm
Tilt JAKE	max. 80 kNm

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