

# To-Do List



All bolts must be tightened with torque.



Check that the wires do not get stretched or "break".



Lubricate it with fat.



Check tilt functions before driving off the machine.



Contact Compacttilt when you are at the machine – and not when you have driven from there.

## CompactTilt the tilt rotator CTR10-HS4 and CTR10-HS6 for digger in class 6-10 tons

Installation: Take notice of following

*When mounting pin bolts, make sure that the correct spacers between the bracket and the plug arm fit. There must be minimal play between the plug arm and the tilt bracket.*

1. If the machine tool manufacturer prescribes an O-ring between the plug arm and the machine mount, this must be fitted. NOTE the supplied sims must turn so that chamfering faces MOD plug arm.

Make hydraulic hoses in 3/8 and in 2" hose, they must be mounted with banjo bolts on the tiltrotator on the tiltrotator's valve block. The hoses must have a length so when they are mounted, they will with the following strips on the relief bracket on the end of the tiltrotator, the excavator must be able to open and close its digging function without hoses getting pinched or being preferred.

3. Hydraulic hoses and possibly lubricates hoses for central hoses as well as wiring is pulled in, the supplied hose bags.

4. Make sure that the coils and wires in the nose of the tiltrotator are mounted so that they are not damaged during tilting and when digging.

5. For central lubrication, the central lubrication hose must be stripped neatly together with the hydraulic hose for the oil engine. It is important that the central lubrication hose can be there when the full stroke is tilted to the right and left side. **Always test this!**

### Installation of controlsystem HS4 & HS6:

The HS4 control system generally consists of: wiring harness for tiltrotator, plug arm cable, wiring harness for installation in machine, control box and safety switch for locking hydraulics.

- ⊙ The control box is installed in the cabin so that it is possible to see the indicator lights in the control box

- ⊗ Safety switch is mounted in the control panel, unit is connected plus and minus which are activated at the start of the machine. Safety gate is installed together with switch for armrests, and signal cable for extra socket and claw is installed in button in the original joystick.
- ⊗ The control is connected to the machine's +/- and insured with a maximum of 10 amp. NOTE (+/- must be able to be interrupted by the ignition key / must be de-energized when the machine is switched off)
- ⊗ When installing the boom cable, **DO NOT strip hard to other moving parts**, such as hydraulic hoses, lubrication hoses. **The cable MUST be able to move freely.**

## Test of CTR10 with HS4 or HS6: Perform all!

- ⊗ Test the rotator function by activating the rollers for the auxiliary socket. Make sure it is running around without noise. It is checked for both rotation right and rotation left facing.
  - ⊗ Test the tilt function by activating the 2nd outlet - the tilt is fully extended to the right and left.
  - ⊗ Activate the button for extra sockets and check that the tilting stops, and the oil comes to extra sockets. It is checked whether extra sockets can send oil in both directions on the socket.
  - ⊗ Activate claw button and claw function checks that the claw opens and closes, and the arms open closes relatively synchronously.
  - ⊗ Check quick change by activating the safety switch and there is a fluctuating acoustic signal, which is pressed on the button for additional outlets - and the acoustic signal changes to an even signal. After this, the quick change must be able to open and close by activating the roller resp. right and left for the tilt function.
  - ⊗ In the event of a fault in the tilt function: check that the plug on the tiltrotator is fitted correctly. Check that +/- is turned correctly. NOTE If +/- is reversed, the box will burn off - and a new box will be needed.
- If functions do not work - check the indication signals on the control box and see error codes in the electrical instructions.