

## Remove of brake shoes on **COBRA** – trailers

To provide you with the correct spare parts for the axle from your **COBRA**-trailer we need the following information.

1. The **year of manufacturing** of the trailer. You can find it one the side on the VIN# plate.
2. The **ETI Number**, as well as the total **axle load limit** - you can find on the plate on the axle.
3. The **brake type**, stamped in the brake bearer plate (backside of the brake unit).
4. The number of the **wheel bolts** on the brake drum (5 or 4).



1635 / 1636 / 1637 or 2050 / 2051



**Caution:** Brakes are a vital safety-related part! Don't execute these works if you are not instructed and without any practice! Heavy accidents can be the result! These workings last only a short time in an authorized garage and you have the guarantee of correct execution!

1. Remove the grease cap using e.g. a piece of tube with the matching diameter.
2. Put it on the grease cap and loosen it by shaking. Loosen now the screw nut with a socket SW 32 or 36 (metric).
3. Dismount the brake shoes by pressing the spring.



4. ...and pushing the sheet on the back.  
Hang out the Bowden cable and take off the old brake shoes.



5. Prepare the new brake shoes as you can see in the picture.  
Use in each case the new springs!



6. Mount the brake shoes and lock them with the springs.  
Don't forget to fasten the Bowden cable.



The brake shoes are hung up floating and secured only by the retaining springs. In order to ease the plug-on of the brake drum, turn back the attitude gear wheel completely please and center the brake shoes by hand and by visual adjustment.

Examine please the brake drum. Strong scoring or a deeply ground in the brake area inside requires an exchange. Examine the wheel bearing. At older axles with cone shoulder bearings this must again be packed and adjusted. Protection with slotted nut and split pin. Starting from beginning of the 90's the axles are equipped with compact bearings. These are closed and greased and adjusted for lifetime. Only by overheating of the brake it can come to the deformation of the sealing rings and grease leakage. Please examine now by visual inspection and on noises by turning the drum by hand. Exchange if necessary. Clean the nut and the thread at the axle end and screw it tightly using a liquid protection, for example LOCTITE. Torque is 280 to 300 Nm.

Continue with adjusting the brake system using our guidance 'Adjusting the wheel brakes'.

### When do you have to change your brake shoes?

- If the brake performance of your trailer is fading and it is not to be repaired by adjustment.
- If the brake shoes are so far worn out that the bevel at the brake lining is no longer visible.
- If the brake coatings are older than 6 years. (hardens by aging)
- If the brake was once overheated (brake linings glassed)