



# CHB Brake System

Congratulations with your new TPS CHB system. Before you start building this system a quick tip. Use Loctite Medium for all screw mounting, just dip the tip of the screw a little in the Loctite.

## Mounting Step 1:

Place the steel brake disk carrier on the driving axle till the end of the flat surface. Place one steel washer, (16 x 10 x 1 mm), against the carrier and slide the axle through the bearing. Then place the second washer according picture 1.



## Mounting step 2:

Plase the gear and carrier on the usual way, and slide the steel carrier against the ball bearing and fix it. Now slide the steel brake disk on the carrier.



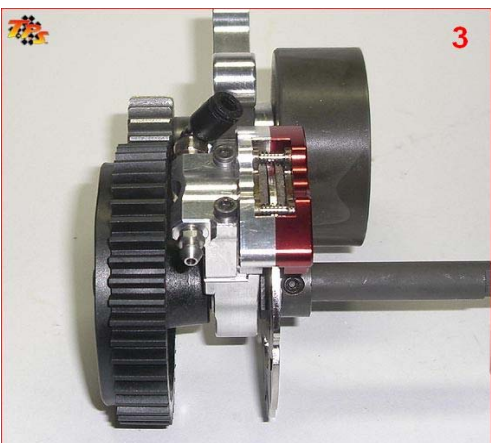
## Mounting step 4:

Now mount the main brake cylinder with the M4 bolts on the chassis adapter.



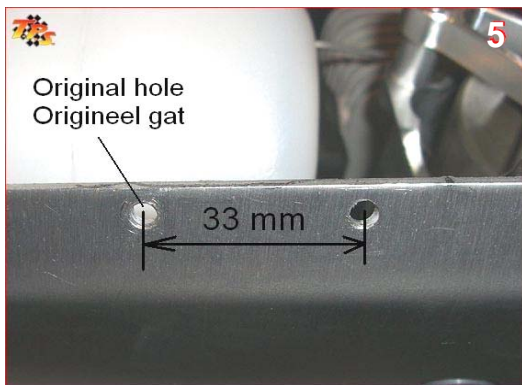
## Mounting step 3:

Now mount the clutch bell and first gear according picture 3, Now screw the brake calliper with the M3 bolts and check if all runs smoothly. Now mount the complete gear plate with components on the engine.



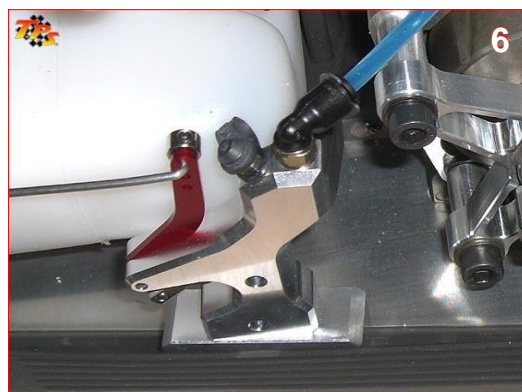
## Mounting step 5:

The original chassis hole what is used to mount the plastic side bar or the alloy side frame, has M4 thread. Drill this hole, (the 3rd hole from the front of the chassis), out with a 4 mm drill. Drill a second hole 33 mm to the right of that original hole on the same height. Now mount the plastic bar or alloy side frame with the three other screws and drill the two holes from the inside of the chassis.



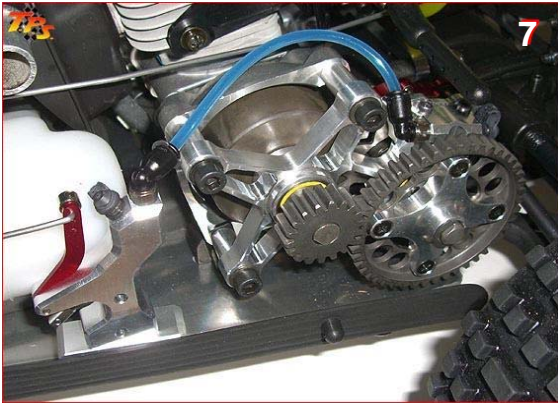
## Mounting step 6:

Now mount the main brake cylinder according picture 6 on the chassis with the two M4 bolts.





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## Mounting step 7:

Now cut the brake lining with a special cutter or a sharp hobby knife.

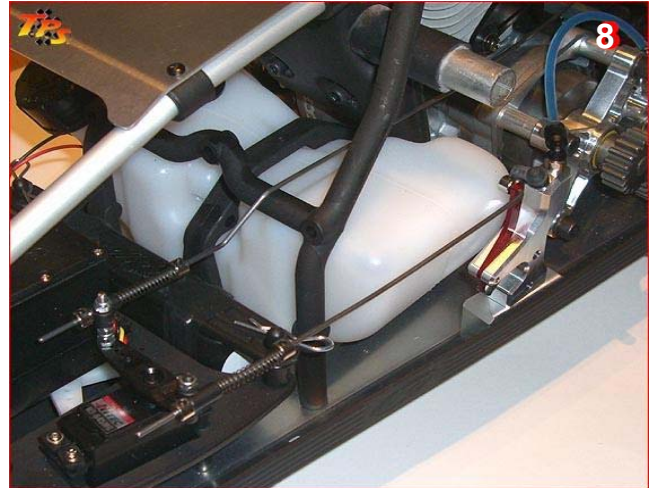
## Never use a normal cutter, this can result in leakages!

Now press the brake lining in the connection nipples on the main brake cylinder and brake calliper, and press the C-clips on the connection nipples.

## Mounting step 8:

Now mount the brake rod with guidance on the main brake cylinder and servo, and check that all connections can move smoothly. When necessary bend the brake rod accordingly.

**Please Notice!** The connection between main brake cylinder and servo may not have any stress. Otherwise it can damage the main brake cylinder and servo. This can also influence the brake capacity.



## Mounting step 9: Filing and ventilation:

Now unscrew the main brake cylinder, (two M4 screw on the chassis), and brake calliper, (two M3 bolts on the gear plate), of the car for filling the system. Unscrew both ventilation nipples and put a little loctite on the thread, en screw them in again. Now fill a injection, with a tube connected, with the oil, and press all air out. Now mount the tube on the main brake cylinder.

Keep the main brake cylinder upright so that the ventilation nipple is on the highest spot. Now take the brake calliper and hold this on an even higher spot with the ventilation nipple on the highest spot. Now unscrew both ventilation nipples a little and pres the oil through the system until there are no air bubbles anymore.

Then first close the ventilation nipple on the main brake cylinder, and then the one on the brake calliper. Now move the main brake cylinder lever carefully a few times. When there are no air bubbles in the system, you are ready, clean the system and mount it on the car. Please note; the system has to be air free, otherwise it will influence the braking power.

Note; it is normal that you have to repeat this procedure a few times.

Attention; Never clean the system with brake cleaner because this will effect the rubbers in the system and will be damaged. Please us the special cleaner with order nr. 6507/4.

## Concluding:

This system is produced to our highest standard, but the good performance depends on the way of mounting and service. We advice to us a servo with at least 10 kg of torque or more. This will give more braking power and less ware.

In the beginning the system will not give full brake power, this will change rapidly.

Do you still have questions after these instructions, please do not hesitate to contact us.

## Uw Pitstop Team.