

MAINTENANCE AND REPAIR INSTRUCTIONS

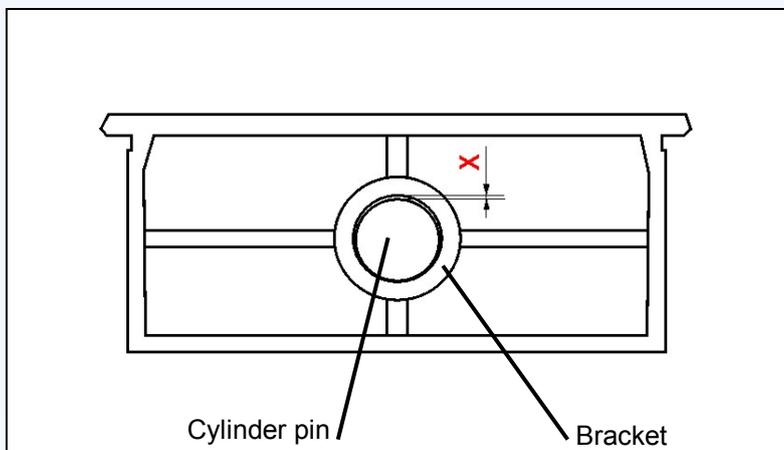
BRACKETS WITH BEARING BUSH

The standard Hyva cylinder chassis- and lifting brackets are equipped with bearing bushes having solid lubricants embedded. These need to be checked for wear every six months or when the tipper makes noises or vibrates during tipping. For regular application the bearing bushes need no replacement during the tipper vehicle life time.

For heavy duty conditions, more frequent tipping e.g. in areas with aggressive chemicals and/or in a 'dirty' environment it may be required to replace the bushes.

For extreme conditions and/or applications please consult Hyva.

Inspection procedure



Check the space "X" between the bush and the cylinder pin using a feeler gauge. In case this exceeds 1.5mm the pin or bush may have worn out and extra attention is required.

- Remove the bracket and check the dimension of both the bush ID and the pin OD using a calliper. Measure this vertically as wear commonly is concentrated on the bottom contact point. Maximum size of the bush ID is 61mm and minimum size of the pin OD is 59mm. In case the dimension is exceeded you should replace the specific item.
- Check both surfaces for scratches and polish them off before reassembling.
- Apply a minimum amount of general purpose grease on the cylinder pins before putting the brackets back in place.

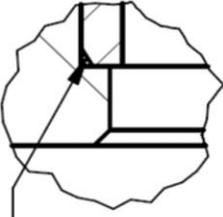


MAINTENANCE AND REPAIR INSTRUCTIONS

BRACKETS WITH BEARING BUSH

Step by step guideline for exchanging the bearing bush in chassis- & lifting brackets

Step 1	Step 2	Step 3
<p>Remove the old bush from the bracket (figure 1) by pushing a screwdriver between the housing and the bush. Tap the screwdriver in carefully to prevent damage to the housing.</p>	<p>When the screwdriver is approx. halfway in pull the screwdriver handle towards the opposite side to break the bush. Do this again for the lower half.</p>	<p>When the bush is completely broken you can use a pipe wrench to peel the bush out of the bracket.</p>
<p>1 </p>	<p>2 </p>	<p>3 </p>

Step 4	Step 5	
<p>Clean and slightly grind the housing inner surface with sandpaper (figure 4).</p>	<p>Mount the new bush, for Hyva Part number see 015BRA01, into the bracket (figure 5). Do not use any grease and fit the bush with the chamfered side first (figure 5 & 6).</p>	
<p>4 </p>	<p>5 </p>	<p>6  CHAMFER ON THIS SIDE</p>
<p>Step 6 Hammer the bush in using a tool with a flat face (figure 7). Make sure that the bush comes in as far as possible.</p>	<p>Step 7 For the last few mms eg. use a M48 top nut (up-side down).</p>	<p>Step 8 Hammer the bush in completely against the collar and do a final check before refitting the bracket.</p>
<p>7 </p>	<p>8 </p>	<p>9 </p>