

***H & B - Technik GmbH***

***Hülsewig & Brakowski***

*Entwicklung  
Maschinenbau  
Landtechnik/Ersatzteile  
Edelstahlverarbeitung*

***Vinner Straße 156, D-33729 Bielefeld, Tel. +49 (0)521/392222 Fax 392109***

## **FITTING AND OPERATING INSTRUCTIONS**

**H & B-Technik grain tank volume increase**

**Case IH Axial Flow 1680/2188/2388**

**[www.hb-technik.com](http://www.hb-technik.com)**









# FITTING AND OPERATING INSTRUCTIONS

## H & B-Technik grain tank volume increase

### Case IH Axial Flow 1680/2188/2388

This instructions have been documented and photographed on a Case IH Axial Flow 2388X-Clusiv, built 2003. Other models and older combines could be different, please follow advices of this instruction. Technical changes and error reserved.

Most of the original bolts, screws and splint pins will be used again for fitting of grain tank volume increase.

		
		
<p><b>1) delivery extend</b></p> <p>a) photo on top shows transport packing b) photo below shows main components of delivery extend</p>	<p><b>2) Preparation of fitting</b></p> <p>a) Remove original cover of grain tank, tube with rolls for flapping and coverplate driving direction left side in front.</p>	<p>b) remove cross strut of middle brace</p>
		
<p><b>3) Fitting of new frame with sideplates</b></p> <p>a) cut a small slot at the corners front right, below right and below left for the new frame.</p>	<p>b) lay the new frame with sideplates on the frame of the grain tank and fit it with counter sunk head and M 8 screws. Take care that sideplates in front and at the back are parallel. Some new holes on marked places need to be drilled.</p>	<p>c) Fit the side strut of bracket for gas strut damper on existing holes of combine. Use longer screws. Fit connecting rod of damper at bracket.</p>



#### 4) Fitting of carrier arm

**a)** remove the small motor cover by unscrewing angle iron of hinge inside the grain tank. Unscrew also the angle iron from the hinge. Close the holes in the grain tank with 7 flat head screws M 8 x 20, washer and nut.

**b)** remove motor cover box at left side, take out support bracket and cut it out as shown on photos and drawing.

Measurements – see drawing









**c)** Fit the delivered angle iron 60 x 40 with 2 counter sunk head screws M 8 x 20, spring washer and nut at the inside holes and with 2 screws M 8 x 20, spring washer and nut at the outside holes on the edge of graintank inside the engine compartment.




**d)** Put the carrier arm on the angle iron below and put screws loose in guiding arms of carrier at top, use 2 x M 12 and 2 x M 8 with washers and nuts. Fit 2 screws M 8 x 25 with washers and nuts down through angle iron.




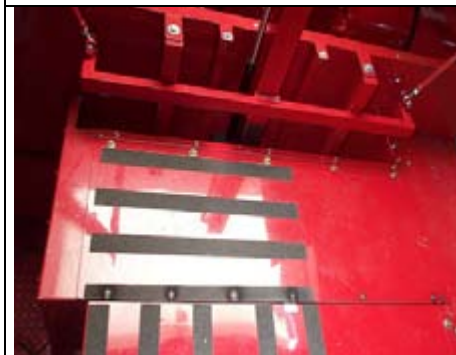





**e)** Put the eye bolts of side braces through the screws of grain tank covers. Screw screws only so tight, that washers are loose. Align carrier arm and tighten screws in guiding arms at top.  
When electronic is connected ( pos. 5 ) test function of arm and covers



		
<p><b>5) Fitting of electronic adjustment</b></p> <p>Connect the wires as following</p> <p><b>a)</b> the yellow-green wire at the earth-switch of carrier arm</p>	<p><b>b)</b> the 2-core cable driving direction left side down to the battery ( wire with fuse at +, other wire at - )</p>	<p><b>c)</b> route the 4-core cable with switch driving direction right along the existing cables of the combine.</p>

		
<p><b>d)</b> Route the cable through the wall of the cabin</p>	<p><b>e)</b> Connect electric ( wire at + for the lamp of the switch )</p>	<p><b>f)</b> Place switch into console</p>

		
<p><b>6) Fitting of back-cover-plate</b></p> <p><b>a)</b> place the back-cover-plate of the carrier arm in line to grain tank.</p>	<p><b>b)</b> Drill holes at marked places ( 2 x right upper outside plate, 1 x girder of motor cover box ) and fix back-cover-plate with screws M 8 x 20, washer, spring washer and nut.</p>	<p><b>c)</b> fit the changed motor cover box. Drill a hole through back-cover-plate and motor cover box, fit a screw M 8 x 20, washer, spring washer and nut.</p>

		
<p><b>7) Shorten of the small motor cover</b></p>	<p><b>a)</b> shorten the small motor cover 170mm at the opposite side of the hinge at the straight side with the loop  make the corners round.</p>	<p><b>b)</b> weld delivered angle iron 35 x 35 x 1070 with loop at marked weld holes on motor cover.</p>
		
<p><b>c)</b> Fit small motor cover at hinge and at back cover plate, use original screws.</p>	<p><b>8) Extension of auger</b></p> <p><b>a)</b> Remove 4 screws of bracket for auger bearing</p>	<p><b>b)</b> pull off shaft collar, upper bearing housing, bearing and lower bearing housing. Remove each of the upper of the 3 screws at left and right side of angle iron and fit with this screws the delivered half round sheet metal below the auger.</p>
		
<p><b>c)</b> Fit now at first below shaft collar, lower bearing housing, bearing and upper bearing housing ( opposite sequence as original fitted )</p> <p><b>d)</b> Fit the new delivered black bracket for bearing housings wit the close side up and fit the half round sheet metal also with this screws.</p>	<p><b>9)</b> Fit the delivered small grain tank plate with 7 screws M 8 x 20, spring washer and nut ( some new holes need to be drilled )</p>	<p><b>10)</b> Close the hole of the flap crank driving direction left side on top of grain tank. Use 2 delivered square plates ( in- and outside ) and 2 screws M 8 x 20, spring washer and nut.</p>

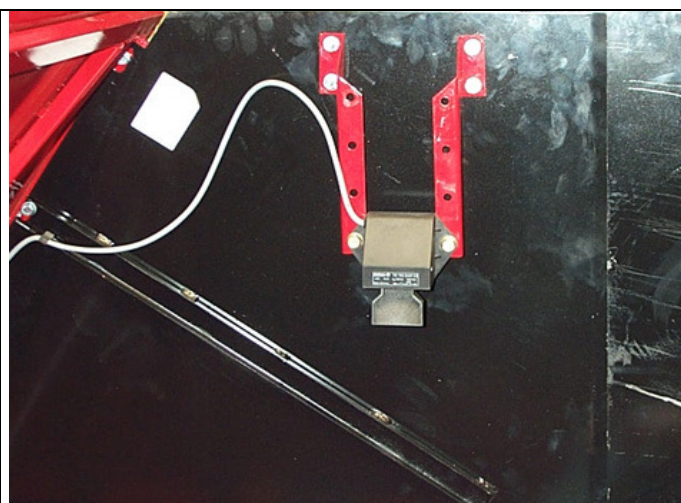


**11)** Fit black middle plates on flat bar of grain tank cover with each 5 screws M 8 x 20, washer and spring washer in the tapped holes.

The middle plates are marked, start with front right, then front left.

Then back left and back right.

**12)** Fit original CASE door with handle. Push hinged rod through eyelets right side. Plot left side through tapped holes in the frame the position of the holes in the door, drill holes and screw door with 3 screws.



Dismantle the sensor from the low position, make the cable longer and fit the sensor at the left front plate about 15 cm below the upper border. You have the possibility with 4 positions in the bracket to decide yourself, at which time the sensor should report. The earlier he will report, the more time you have to drive to the end of the field.



Please fit 2 angle irons inside grain tank at transverse panel and outer panel.

**Now fitting is finished.**

**Make sure that all screws are tight right and that grain tank increase is fitted correctly.**

**Observe furthermore security instructions of the combine.**

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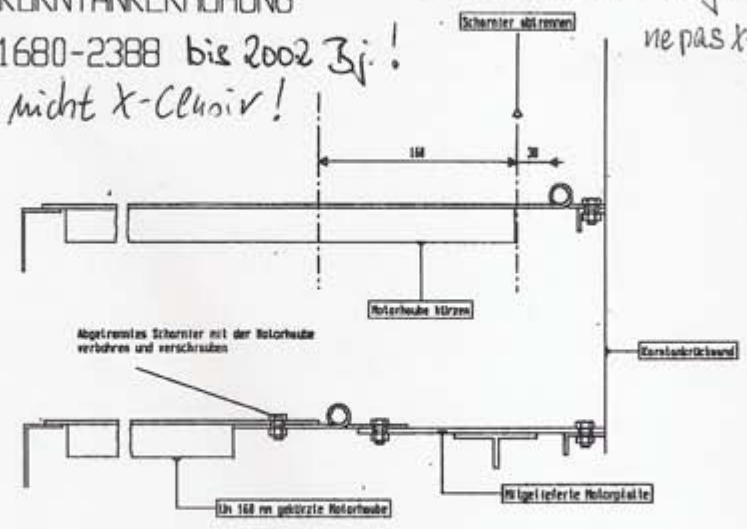
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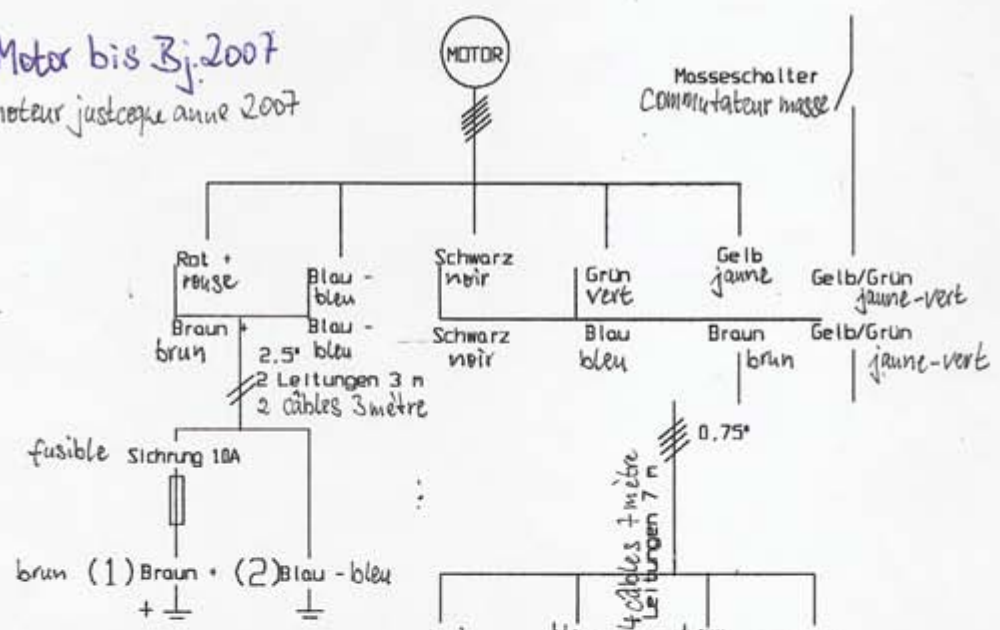
Motorabdeckung  
KORNTANKERHÖHUNG  
1680-2388 bis 2002 Bj.!  
- nicht X-Closir!

recourant de moteur  
Exhaussement de la trémie  
Case H Axial 1680-2388 jusque que année 2002!  
ne pas X-Closir!



Elektroplan plan electriques

Motor bis Bj. 2007  
moteur jusque que année 2007



branchement a batterie

**ATTENTION!**  
ne échangez les câbles - vous détruire le moteur!

Anschluß an Batterie  
Ström zum Motor  
Courant vers moteur  
Achtung!  
Vertauschen der Leitungen  
ZERSTÖRT den Motor

Taster in der Kabine  
commutateur dans la cabine

