TROUBLESHOOTING ASSISTANCE

CHECK THE TIGHTENING OF THE SLEWING MOTOR ENCODER AND PLAY BETWEEN TOOTH PLAY	TA20-276-A

Product Improvement Program (PIP) :		Service bulletin:		Welding instructions :	
Crane family: GMA		Range : HUP		Model:	
B	Technical support	11/06/2020		modification of the paragraph "Reminder of the method for saving parameters"	
A	Technical support	26/10/2020		Creation	
Index	Written by	Date		Comment	

| DIAGNOSIS	Below you will find how to check the tightening of the slewing motor encoder and play between tooth ring and pignons.
SOLUTION	**1/Checking encoder** Check the tightening of the encoder by trying to turn the encoder ring manually and by checking the tightening of the screws at the same time. Take a photo of the encoder fitting Check whether there is a threadlocker on the tightening screw **2/Ring and pinion set** Raise the ring and pinion set on each motor unit with a set of calibration shims.
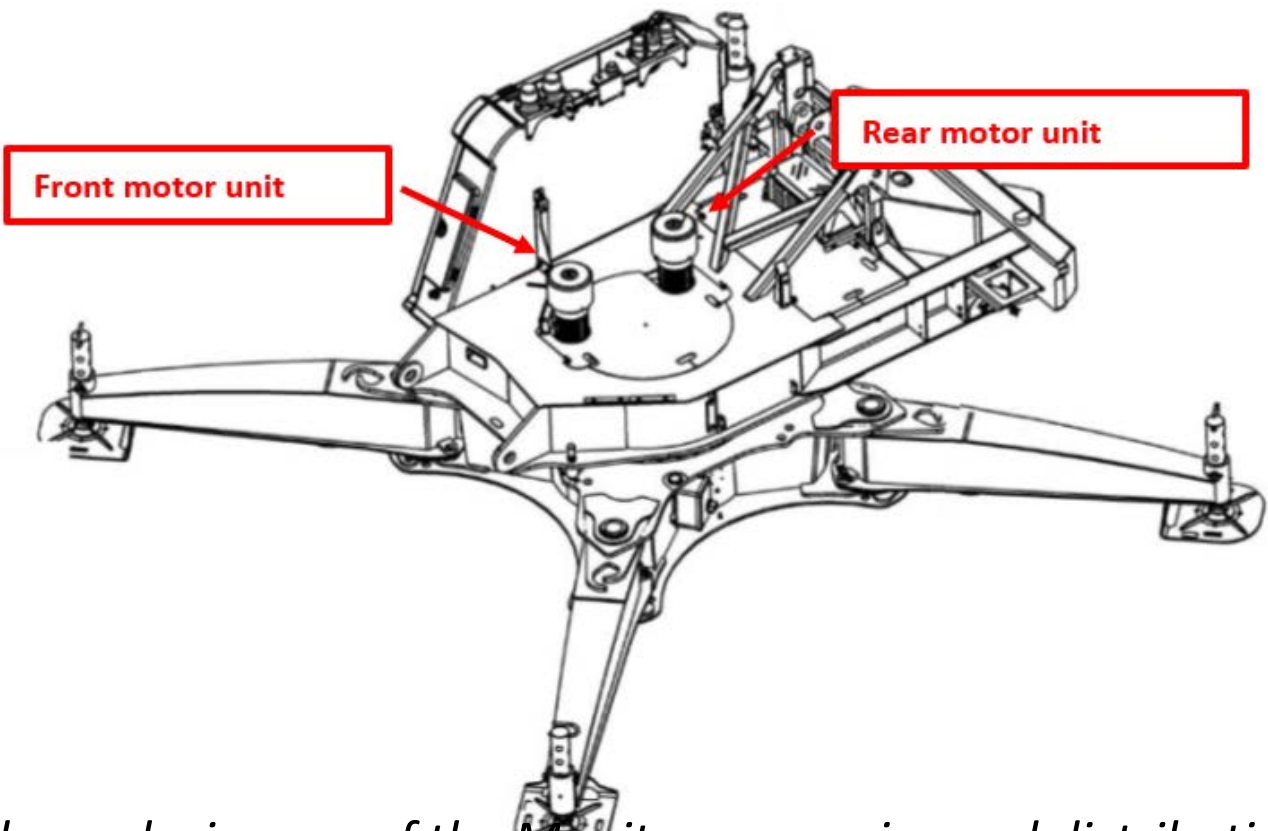
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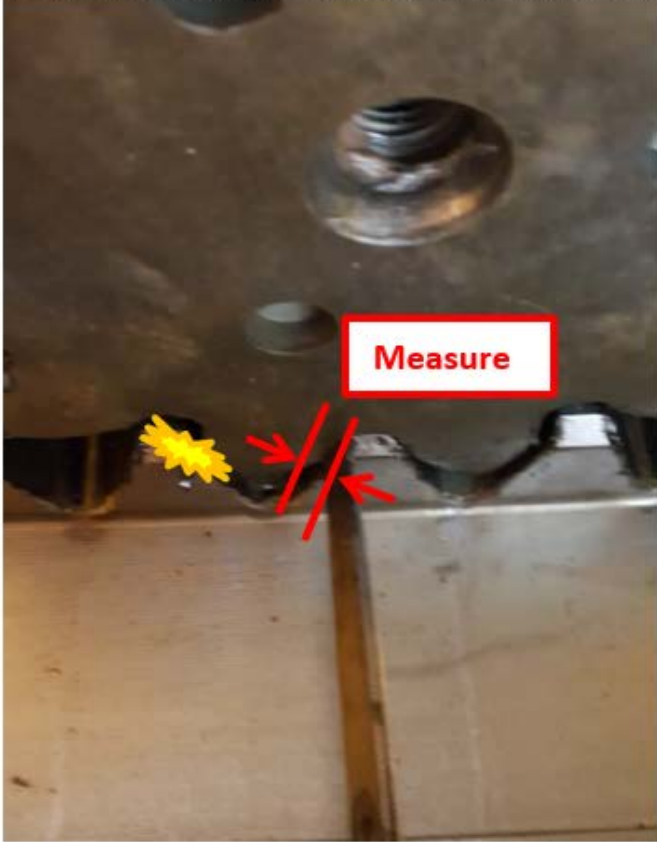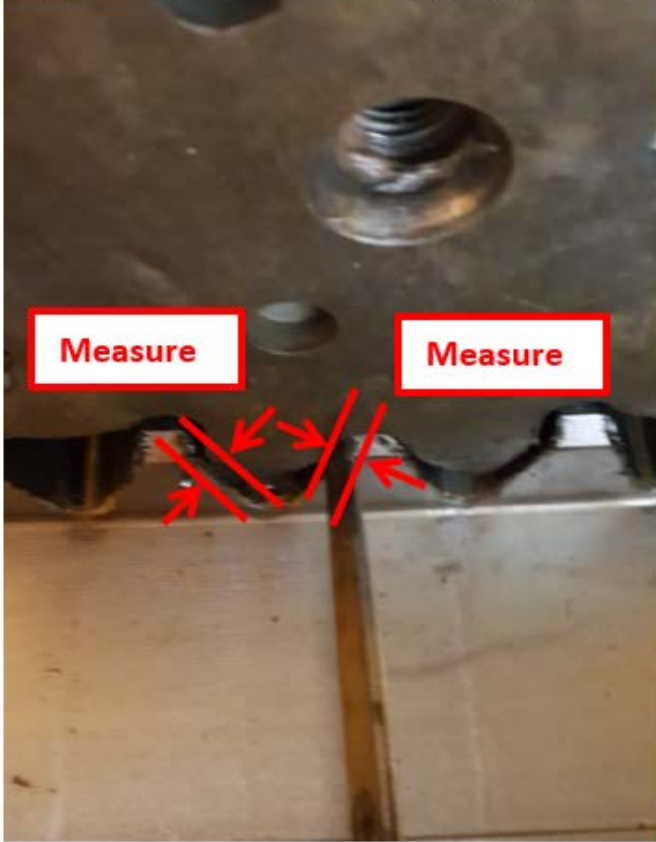**SOLUTION**

Two methods:

1-Either place the tooth of the pinion against the tooth of the ring by turning the motor by hand, and measure the play on the other side of the tooth

2-Or measure the play on each side of the tooth, but this must be done with two sets of shims Add the two measurements together

If the difference in play between the front and rear motor unit is greater than 0.5 mm:

- Indicate the unit the encoder is fitted on, and move the encoder to the unit with the least ring-and-pinion play.
- Change the parameter 44.14 = 400 /! \ You need to modify the work conf and then save

Reminder of the method for saving parameters:

Verify that the modified conf is the working one: 96.10=4 for work (=5 for hydraulics)
Save the parameters in the conf work -> 96.11 = 18 (be careful if you choose 19 you save the conf work in the hydraulic conf work)
Once the backup is complete, change the parameter 96.11 -> 96.11=1.