



ROCKINGER Member of JOST-World



How do you inspect a Rockinger Tow Hitch?

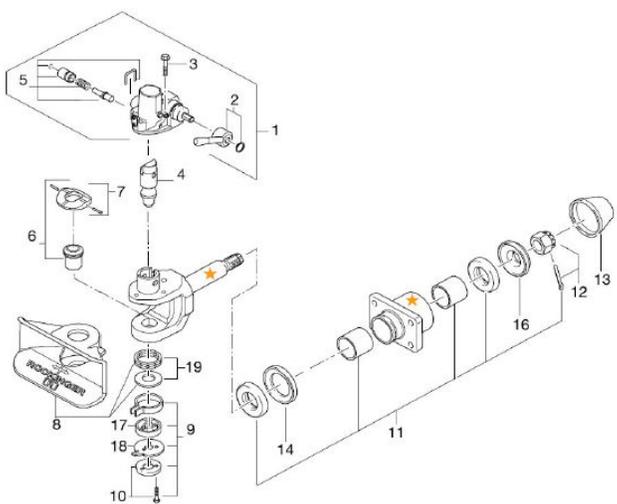
Use the Rockinger RO500G65 hitch inspection sheet shown below as an inspection guide.

The top block information is used to identify the unit and the vehicle it is fitted to.

Below that you will find a picture of the spares available for this hitch as well as the part numbers of these spares should they need to be replaced.

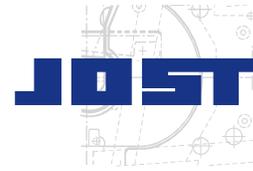
Use the 3rd block as an inspection guide to identify the part inspected and to rate its condition.

The comments block is used to note actions to be taken for repair, damage noted or lubrication issues.

INSPECTION SHEET – ROCKINGER RO500G65					
Company					
Date					
Serial No.					
Fleet No.					
Registration No.					
Odometer reading					
		Description of parts	Part No	Qty	
		1 - Automatic Unit	ROE70849	1	
		2 - Hand lever.	ROE50244	1	
		3 - Hexagon bolt	ROE30269	3	
		4 - Coupling bolt.	ROE47081	1	
		6 - Bush and Pad	ROE53536	1	
		8 - Funnel Type-RO-500	ROE46118	1	
		9 - Spring assembly	ROE65693	1	
		11 - Repair Kit	ROE71155	1	
		12 - Castle nut c/w split pin.	ROE56102	1	
		13 - Protective Cover	ROE25347	1	
		17 - Guide Bush	ROE53467	1	
		19 - Bearing Rings for Funnel	ROE25479	1	
DESCRIPTION		CONDITION			
		Good	Fair	Poor	Size
Coupling bolt – new 48mm, replace 46mm.					
Coupling bolt - Max 2mm vertical play allowed.					
Rubber bushes – Visual inspection, no play allowed. Check castle nut 500Nm torque.					
Cross member – supplementary plate req'd if thickness is thinner than 13mm, max 28mm					
Wear pad / Support ring New 21.5mm. Min height 16.5mm					
Funnel housing – condition (damaged, loose) No longitudinal play allowed, max 3mm vertical play allowed.					
Lubrication – Over/under greased.					
Bottom guide bush – minimum inner diameter 35.9mm					
INSPECTED BY					
Name	Signature	Date			
Comments					



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1. Coupling bolt-new 48mm replace 46mm
Use the J909L gauge 46mm opening
Slide it over the pin, if it passes over the pin, it is under size and needs to be replaced



2. Coupling Bolt-Max 2mm vertical play allowed
Use a large screwdriver, push upwards on the pin
no more than 2mm movement is allowed vertically



3. Rubber Bushes visual inspection no play allowed
Check castle nut 500Nm torque

Check the rubbers visually, look for cracks and other damage. Insert a solid steel bar in the mouth of the hitch and push down, no movement should be visible. Now insert the bar from the side and push down, the hitch should not change position. Any movement is an indication of either poor rubber condition or incorrect installation.



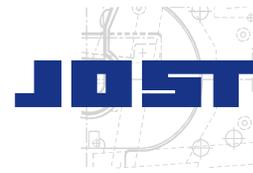
4. Cross member thickness required
Min-13mm to max-28mm

The chassis thickness required for hitch fitment should be more than 13mm but less than 28mm for this particular hitch. It also ensures that the 500Nm torque applied to the large castle nut will hold the hitch secure without any movement.





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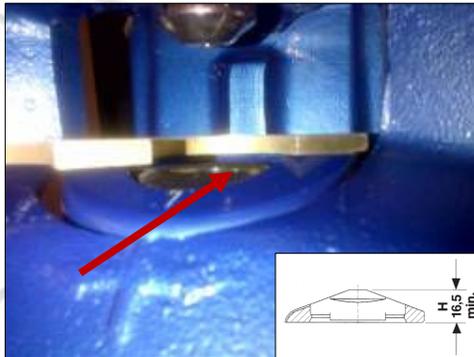


5. Wear pad support ring

New 21.5mm replace 16.5mm

Open the hitch, the pin should stay in the open position. Place the J909L gauge flat on the wearing pad.

The gauge should not touch the guide bush.



6. Funnel Housing-Condition damaged loose

No Longitudinal play max 3mm vertical play allowed

Check the funnel for damage, try to move the funnel up and down or side to side to check for movement



7. Lubrication over/under greased.

The hitch should be clean

Lubricate via the grease nipples provided

In the open position only.



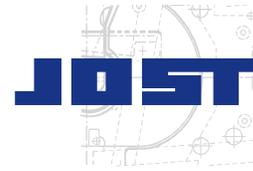
8. Bottom guide bush, min inner diameter 35,9mm

Engage the pin using the metal bar, push up on the pin to activate the locking mechanism. Try and move the pin by hand and by tapping it lightly. If the pin moves visibly, replace the bottom guide bush and pin if required.





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Don't forget to check the bolts.



Comments

Use the comments block to note any visible damage to the hitch. There should be no visible lubrication on the hitch. The pin should be greased very lightly not to cause grinding paste with a waterproof EP3 Lube.

When opening the hitch the handle must stay in the open position. The torque on the castellated nut is 500Nm. Should the holes not line up, continue tightening the bolt till the holes line up to insert the split pin. Never back off. Over torquing the castellated nut will also cause the rubbers to fail prematurely

Spares

Spares for the Rockinger RO500G65 are available from Jost as shown here.

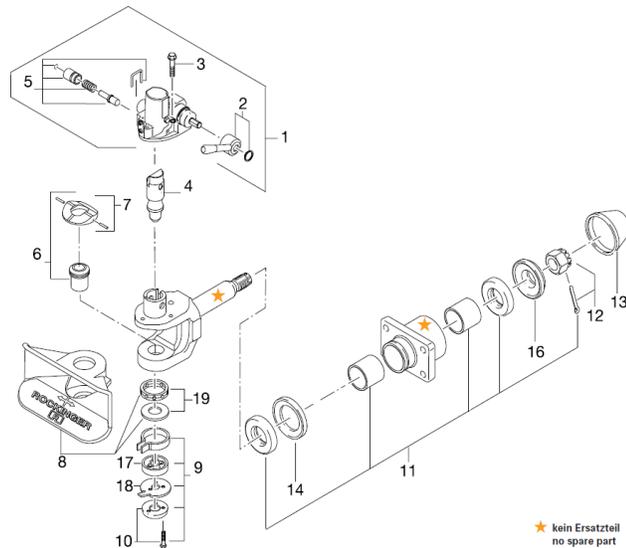
For example, if during your inspection you noticed that the hitch changed direction when applying force to the bar sideways as shown in item 3 above. Replace the rubber kit. In this case that would be item No: 11. Part Number to replace: ROE 71155.

For repair instructions, please visit our website: www.jost.co.za. Under operating manuals on the rite hand side, select RO50 to view the full maintenance instructions how to remove and replace all the spares as shown here.

For further information or assistance please contact Christo de Clerk on 082 774 9818 or christo@jost.co.za

RO*500 G 65

Ersatzteile • Spare parts • Pièces de rechange • Ricambi • Piezas de recambio



★ kein Ersatzteil
no spare part
non pièce de rechange
no ricambio
no es pieza de recambio

Pos.		ROE		Pos.		ROE	
01		70849	1	10		30258	1
02	ROxxxAXxxx	50244	1	11		71155	1
02	ROxxxBXxxx	70735	1	12		56102	1
03		30269	1	13		25347	1
04		47081	1	14		44177	1
06		53536	1	16		59141	1
07		70851	1	17		53467	1
08		46111	1	18		65626	1
08		46118	1	19		25479	1
09		65693	1				