

Bicycle – Pre-operation procedures (crew)

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Responsible partner company: UK MoD /U8025

Originator: UK MoD /U8025

Applicability cross-reference table reference: [S1000DBIKE-AAA-D00-00-00-00AA-00WA-D](#)

Applicability: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

Applicable to: Mountain bicycle
and (Mountain storm Mk1 or
Brook trekker Mk9)

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Technical standard: Authority information: 20010131
Authority baseline: Bike book
Authority exceptions:
Authority notes:

Brex data module reference: [S1000DBIKE-AAA-D00-00-00-00AA-022A-D](#)

QA: First verification Cleared Table Top

System breakdown code: BY

Skill level: Basic

Reason for updating: schema cleanup
element/attribute renaming

Bicycle

Pre-operation procedures (crew)

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References

Table 1 References

Data module / Technical publication	Title
S1000DBIKE-AAA-DA4-10-00-00AA-251B-A	Chain – Clean with chain cleaning fluid

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Applicable to: Mountain bicycle
and (Mountain storm Mk1 or
Brook trekker Mk9)

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Required persons

Table 3 Required persons

Persons	Category	Skill level	Trade/Trade code	Estimated time
Man A	Basic user		Operator	0,3 h

Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
Tire pressure gauge	MFR: KZ666 /PN: BSK-TLST-001-01	1 EA	
Specialist toolset	MFR: KZ666 /PN: BSK-TLST-001	1 EA	

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
General lubricant	MFR: KZ222 /PN: LL-001	As required	

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Procedure

- 1 Examine the condition of the brakes.
 - 1.1 Open the brake quick release.
 - 1.2 Examine the condition and the thickness of the brake pads.
 - 1.2.1 Make sure that there is a large quantity of rubber left.
 - 1.2.2 Make sure that the pad is not too hard.
 - 1.3 Clean all the unwanted material.

2 Do an inspection of the installation of the brakes.

2.1 Check the hydraulic brake system function.

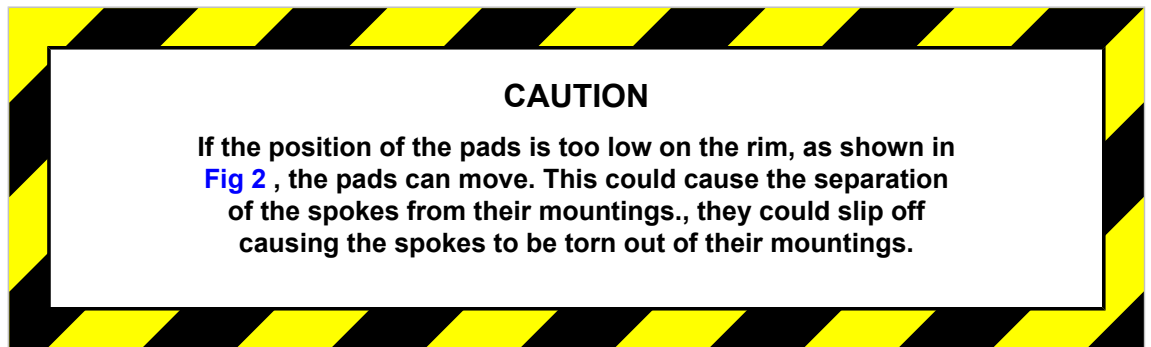


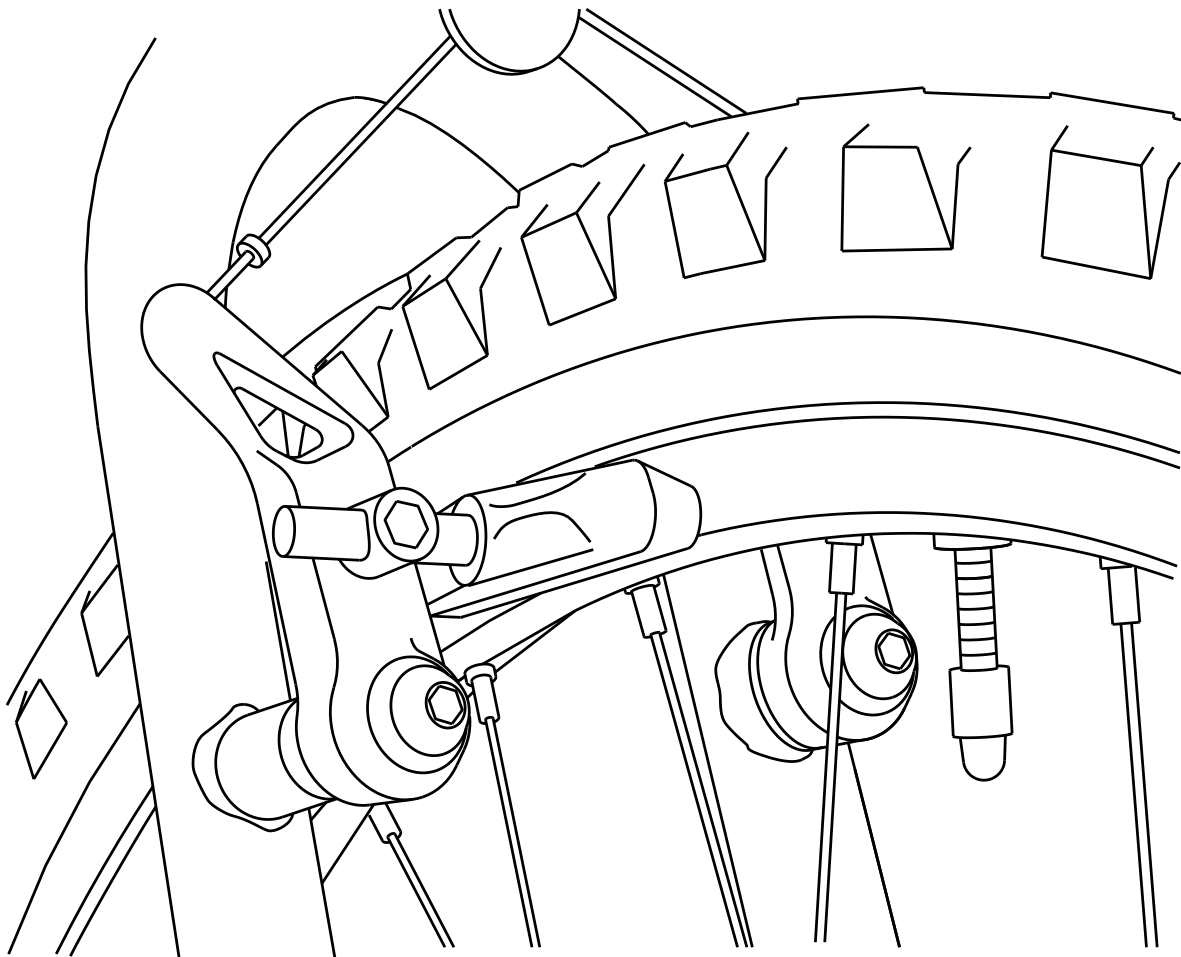
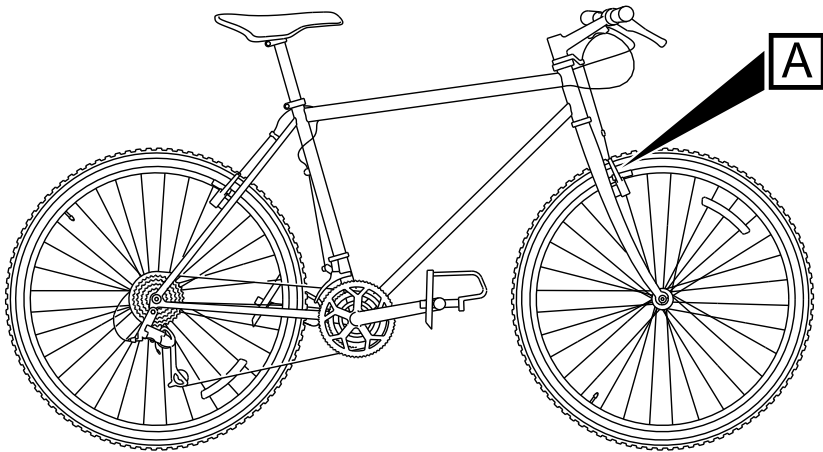
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Fig 1, Other Hydraulic brake function

2.2 Make sure that there is sufficient clearance between the pad and the inner diameter of the brake surface.

2.3





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Fig 2 Brake pad seating

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- Make sure that the pads are correctly installed in the center of the inner diameter of the brake surface.
- 3 Do a check of the tire pressure.
- 3.1 Do a check of the tire pressure with the [Tire pressure gauge](#) .
- 3.2 Compare the value you read with the recommended pressure that is shown into the sidewall of the tire.
- 3.3 Add the necessary air.
- 4 Examine the condition of the wheels.
- 4.1 Examine the rims for bulges and dents.
- 4.2 Examine for splits at the seam where an extruded rim is bonded.
- 5 Do a check of the headset bearings.
- 5.1 Straddle the bicycle.
- Apply the front brakes and push the handle bars forward.
- 5.2 Make sure that the headset bearings are tight.
- 6 Do the checks on the chain.
- 6.1 Visually examine the chain.
- If the chain is too dirty, clean it as specified in the clean chain task (refer to [S1000DBIKE-AAA-DA4-10-00-00AA-251B-A](#)).
- 6.1.1 Visually examine the chain for links that are frozen or that do not move easily.
- 6.1.2 Apply the necessary [General lubricant](#) .
- 6.2 Do a check of the chain to make sure that it is tight.
- 6.2.1 Make sure that the play of the chain is not too much.
- 6.2.1.1 Move the chain on the largest chain ring.
- 6.2.1.2 Try to pull the chain away from the front of the chain ring.
- Make sure that the chain is not loose. Tighten the chain if, when you pull it away from the chain ring, you can see a full tooth.
- 6.2.2 Tighten the chain with the Allen wrench from the [Specialist toolset](#).

Requirements after job completion**Required conditions***Table 7 Required conditions*

Action / Condition	Data module / Technical publication
None	