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S1000D Sample Publication

Mountain bicycle
Mountain storm Mk1
Brook trekker Mk9

Mountain bicycle manual

BIKE

S1000DBIKE-C3002-EPWG1-00

Issue No. 001, 2010-06-08

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List of effective data modules

Document title	Data module code	Issue date Issue No.	No. of pages	Applicable to
Bicycle – Description of how it is made	S1000DBIKE-AAA-D00-00-00-00AA-041A-A	2008-08-01 001		
Bicycle – Description of function	S1000DBIKE-AAA-D00-00-00-00AA-042A-A	2008-08-01 001		
Bicycle – Description attributed to crew	S1000DBIKE-AAA-D00-00-00-00AA-043A-A	2008-08-01 001		
Mountain bicycle – Applicability cross-reference table catalog	S1000DBIKE-AAA-D00-00-00-00AA-0A3A-D	2010-02-18 001		
Bicycle – Pre-operation procedures (crew)	S1000DBIKE-AAA-D00-00-00-00AA-121A-A	2008-08-01 001		
Bicycle – Riding a bicycle	S1000DBIKE-AAA-D00-00-00-00AA-130A-A	2007-01-01 001		
Bicycle – Normal operation procedures (crew)	S1000DBIKE-AAA-D00-00-00-00AA-131A-A	2008-08-01 001		
Bicycle – Post-operation procedures (crew)	S1000DBIKE-AAA-D00-00-00-00AA-151A-A	2008-08-01 001		
Bicycle – Servicing: Attention	S1000DBIKE-AAA-D00-00-00-00AA-200A-T-T10B	2009-10-19 001		
Bicycle – Servicing: Prerequisite concept review	S1000DBIKE-AAA-D00-00-00-00AA-200A-T-T36D	2009-10-19 001		
Bicycle – Other procedures to clean	S1000DBIKE-AAA-D00-00-00-00AA-258A-A	2008-08-01 001		
Bicycle – Place on test stand	S1000DBIKE-AAA-D00-00-00-00AA-330A-A	2008-08-01 001		
Bicycle – Standard repair procedures	S1000DBIKE-AAA-D00-00-00-00AA-663A-A	2008-08-01 001		
Bicycle – Performance support	S1000DBIKE-AAA-D00-00-00-00AA-952A-T-H31A	2009-07-22 001		
Bicycle – Performance support	S1000DBIKE-AAA-D00-00-00-00AA-952A-T-H31A	2009-07-22 001		
Bicycle – Illustrated Parts Data - IPD	S1000DBIKE-AAA-D00-00-00-01AA-941A-D	2008-08-01 001		
Bicycle – Time limits	S1000DBIKE-AAA-D05-10-00-00AA-000A-A	2008-08-01 001		
Bicycle – Scheduled maintenance lists	S1000DBIKE-AAA-D05-20-00-00AA-000A-A	2008-08-01 001		

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

S1000DBIKE-AAA-D00-00-00-00AA-002A-A

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Document title	**Data module code**	**Issue date Issue No.**	**No. of pages**	**Applicable to**
Bicycle – Scheduled maintenance checks	S1000DBIKE-AAA-D05-40-00-00AA-000A-A	2008-08-01 001		
Wheel – Description of how it is made	S1000DBIKE-AAA-DA0-00-00-00AA-041A-A	2008-08-01 001		
Wheels – Description of how it is made: Knowledge Check	S1000DBIKE-AAA-DA0-00-00-00AA-041A-T-T61E	2009-10-02 001		
Inner tube – Remove and install a new item	S1000DBIKE-AAA-DA0-10-10-00AA-921A-A	2008-08-01 001		
Tire – Fill with air	S1000DBIKE-AAA-DA0-10-20-00AA-215A-A	2008-08-01 001		
Tire – Check pressure	S1000DBIKE-AAA-DA0-10-20-00AA-362B-A	2008-08-01 001		
Front wheel – Fault reports and isolation procedures	S1000DBIKE-AAA-DA0-10-20-00AA-400A-A	2008-08-01 001		
Front wheel – Remove procedures: Interactive content - Procedure	S1000DBIKE-AAA-DA0-10-20-00AA-520A-T-T4JC	2009-10-02 001		
Tire – Remove and install a new item	S1000DBIKE-AAA-DA0-10-20-00AA-921A-A	2008-08-01 001		
Rear wheel – Detected fault	S1000DBIKE-AAA-DA0-20-00-00AA-412A-A	2008-08-01 001		
Rear wheel – Remove procedures	S1000DBIKE-AAA-DA0-20-00-00AA-520A-A	2008-08-01 001		
Brake system – Description of how it is made	S1000DBIKE-AAA-DA1-00-00-00AA-041A-A	2008-08-01 001		
Brake system – Manual test	S1000DBIKE-AAA-DA1-00-00-00AA-341A-A	2008-08-01 001		
Brake pads – Clean with rubbing alcohol	S1000DBIKE-AAA-DA1-10-00-00AA-251A-A	2008-08-01 001		
Steering – Description of how it is made	S1000DBIKE-AAA-DA2-00-00-00AA-041A-A	2008-08-01 001		
Steering – Description of how it is made: Knowledge Check	S1000DBIKE-AAA-DA2-10-00-00AA-041A-T-T62E	2009-07-30 001		
Stem – Remove procedures	S1000DBIKE-AAA-DA2-10-00-00AA-520A-A	2008-08-01 001		
Stem – Install procedures	S1000DBIKE-AAA-DA2-10-00-00AA-720A-A	2008-08-01 001		
Handlebar – Remove procedures	S1000DBIKE-AAA-DA2-20-00-00AA-520A-A	2008-08-01 001		
Handlebar – Install procedures	S1000DBIKE-AAA-DA2-20-00-00AA-720A-A	2008-08-01 001		

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Document title	Data module code	Issue date Issue No.	No. of pages	Applicable to
Headset – Description of how it is made	S1000DBIKE-AAA-DA2-30-00-00AA-041A-A	2008-08-01 001		
Headset – Remove procedures	S1000DBIKE-AAA-DA2-30-00-00AA-520A-A	2008-08-01 001		
Headset – Install procedures	S1000DBIKE-AAA-DA2-30-00-00AA-720A-A	2008-08-01 001		
Frame – Description of how it is made	S1000DBIKE-AAA-DA3-00-00-00AA-041A-A	2008-08-01 001		
Horn – Isolated fault	S1000DBIKE-AAA-DA3-10-00-00AA-411A-A	2008-08-01 001		
Horn – Remove and install a new item	S1000DBIKE-AAA-DA3-10-00-00AA-921A-A	2008-08-01 001		
Drivetrain – Description of how it is made	S1000DBIKE-AAA-DA4-00-00-00AA-041A-A	2008-08-01 001		
Chain – Oil	S1000DBIKE-AAA-DA4-10-00-00AA-241A-A	2008-08-01 001		
Chain – Clean with chain cleaning fluid	S1000DBIKE-AAA-DA4-10-00-00AA-251B-A	2008-08-01 001		
Drive train – Correlated fault	S1000DBIKE-AAA-DA4-10-00-00AA-414A-A	2008-08-01 001		
Gears – Description of how it is made	S1000DBIKE-AAA-DA5-00-00-00AA-041A-A	2008-08-01 001		
Mechs – Description of how it is made	S1000DBIKE-AAA-DA5-10-00-00AA-041A-A	2008-08-01 001		
Hubs – Clean with degreasing agent	S1000DBIKE-AAA-DA5-20-00-00AA-251C-A	2008-08-01 001		
Shifters – Description of how it is made	S1000DBIKE-AAA-DA5-30-00-00AA-041A-A	2008-08-01 001		

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

S1000DBIKE-AAA-D00-00-00-00AA-002A-A
End of data module
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Document title	Data module code	Issue date Issue No.	No. of pages	Applicable to
				Brook trekker Mk9)
Bicycle – Post-operation procedures (crew)	S1000DBIKE-AAA-D00-00-00-00AA-151A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Bicycle – Servicing: Attention	S1000DBIKE-AAA-D00-00-00-00AA-200A-T-T10B	2009-10-19 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Bicycle – Servicing: Prerequisite concept review	S1000DBIKE-AAA-D00-00-00-00AA-200A-T-T36D	2009-10-19 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Bicycle – Other procedures to clean	S1000DBIKE-AAA-D00-00-00-00AA-258A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Bicycle – Place on test stand	S1000DBIKE-AAA-D00-00-00-00AA-330A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Bicycle – Standard repair procedures	S1000DBIKE-AAA-D00-00-00-00AA-663A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Bicycle – Performance support	S1000DBIKE-AAA-D00-00-00-00AA-952A-T-H31A	2009-07-22 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Bicycle – Performance support	S1000DBIKE-AAA-D00-00-00-00AA-952A-T-H31A	2009-07-22 001		Mountain bicycle and

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Document title	Data module code	Issue date Issue No.	No. of pages	Applicable to
				(Mountain storm Mk1 or Brook trekker Mk9)
Bicycle – Illustrated Parts Data - IPD	S1000DBIKE-AAA-D00-00-00-01AA-941A-D	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Bicycle – Time limits	S1000DBIKE-AAA-D05-10-00-00AA-000A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Bicycle – Scheduled maintenance lists	S1000DBIKE-AAA-D05-20-00-00AA-000A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Bicycle – Scheduled maintenance checks	S1000DBIKE-AAA-D05-40-00-00AA-000A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Wheel – Description of how it is made	S1000DBIKE-AAA-DA0-00-00-00AA-041A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Wheels – Description of how it is made: Knowledge Check	S1000DBIKE-AAA-DA0-00-00-00AA-041A-T-T61E	2009-10-02 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Inner tube – Remove and install a new item	S1000DBIKE-AAA-DA0-10-10-00AA-921A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or

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

S1000DBIKE-AAA-D00-00-00-00AA-009A-A

Document title	Data module code	Issue date Issue No.	No. of pages	Applicable to
				Brook trekker Mk9)
Tire – Fill with air	S1000DBIKE-AAA-DA0-10-20-00AA-215A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Tire – Check pressure	S1000DBIKE-AAA-DA0-10-20-00AA-362B-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Front wheel – Fault reports and isolation procedures	S1000DBIKE-AAA-DA0-10-20-00AA-400A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Front wheel – Remove procedures: Interactive content - Procedure	S1000DBIKE-AAA-DA0-10-20-00AA-520A-T-T4JC	2009-10-02 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Tire – Remove and install a new item	S1000DBIKE-AAA-DA0-10-20-00AA-921A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Rear wheel – Detected fault	S1000DBIKE-AAA-DA0-20-00-00AA-412A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Rear wheel – Remove procedures	S1000DBIKE-AAA-DA0-20-00-00AA-520A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Brake system – Description of how it is made	S1000DBIKE-AAA-DA1-00-00-00AA-041A-A	2008-08-01 001		Mountain bicycle and

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Document title	Data module code	Issue date Issue No.	No. of pages	Applicable to
				(Mountain storm Mk1 or Brook trekker Mk9)
Brake system – Manual test	S1000DBIKE-AAA-DA1-00-00-00AA-341A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Brake pads – Clean with rubbing alcohol	S1000DBIKE-AAA-DA1-10-00-00AA-251A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Steering – Description of how it is made	S1000DBIKE-AAA-DA2-00-00-00AA-041A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Steering – Description of how it is made: Knowledge Check	S1000DBIKE-AAA-DA2-10-00-00AA-041A-T-T62E	2009-07-30 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Stem – Remove procedures	S1000DBIKE-AAA-DA2-10-00-00AA-520A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Stem – Install procedures	S1000DBIKE-AAA-DA2-10-00-00AA-720A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Handlebar – Remove procedures	S1000DBIKE-AAA-DA2-20-00-00AA-520A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or

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(Continued)

Document title	Data module code	Issue date Issue No.	No. of pages	Applicable to
				Brook trekker Mk9)
Handlebar – Install procedures	S1000DBIKE-AAA-DA2-20-00-00AA-720A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Headset – Description of how it is made	S1000DBIKE-AAA-DA2-30-00-00AA-041A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Headset – Remove procedures	S1000DBIKE-AAA-DA2-30-00-00AA-520A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Headset – Install procedures	S1000DBIKE-AAA-DA2-30-00-00AA-720A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Frame – Description of how it is made	S1000DBIKE-AAA-DA3-00-00-00AA-041A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Horn – Isolated fault	S1000DBIKE-AAA-DA3-10-00-00AA-411A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Horn – Remove and install a new item	S1000DBIKE-AAA-DA3-10-00-00AA-921A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Drivetrain – Description of how it is made	S1000DBIKE-AAA-DA4-00-00-00AA-041A-A	2008-08-01 001		Mountain bicycle and

(Continued)

Document title	Data module code	Issue date Issue No.	No. of pages	Applicable to
				(Mountain storm Mk1 or Brook trekker Mk9)
Chain – Oil	S1000DBIKE-AAA-DA4-10-00-00AA-241A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Chain – Clean with chain cleaning fluid	S1000DBIKE-AAA-DA4-10-00-00AA-251B-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Drive train – Correlated fault	S1000DBIKE-AAA-DA4-10-00-00AA-414A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Gears – Description of how it is made	S1000DBIKE-AAA-DA5-00-00-00AA-041A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Mechs – Description of how it is made	S1000DBIKE-AAA-DA5-10-00-00AA-041A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Hubs – Clean with degreasing agent	S1000DBIKE-AAA-DA5-20-00-00AA-251C-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Shifters – Description of how it is made	S1000DBIKE-AAA-DA5-30-00-00AA-041A-A	2008-08-01 001		Mountain bicycle and (Mountain storm Mk1 or

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

S1000DBIKE-AAA-D00-00-00-00AA-009A-A

Document title	Data module code	Issue date Issue No.	No. of pages	Applicable to
				Brook trekker Mk9)

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Products cross-reference table

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References

Table 1 References

Data module / Technical publication	Title
None	

Product cross-reference table

Table 2 List of product instances

Identifier	Type	Value
Product instance		
serialno	Product attribute	1B070643
model	Product attribute	Brook trekker
version	Product attribute	Mk9
versrank	Product attribute	2
SB-S001	Condition	Pre
Product instance		
serialno	Product attribute	1B070644
model	Product attribute	Brook trekker
version	Product attribute	Mk9
versrank	Product attribute	1
SB-S001	Condition	Post
Product instance		
serialno	Product attribute	1B070701

Applicable to: All   **S1000DBIKE-AAA-D00-00-00-00AA-00PA-D**

Table 2 List of product instances (Continued)

Identifier	Type	Value
model	Product attribute	Mountain storm
version	Product attribute	Mk1
versrank	Product attribute	1
SB-S001	Condition	Pre

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Conditions cross-reference table

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Table 1 References

Data module / Technical publication	Title
None	

Condition cross-reference table

Table 2 Common types of conditions

Name	Description	Data type	Values
Id		**Value pattern**	
Service bulletin	Generic service bulletin type	String	PRE POST-001~POST-999
SB			
generic Boolean condition	Boolean condition	String	True|False
Boolean			

Applicable to: All

S1000DBIKE-AAA-D00-00-00-00AA-00QA-D

Table 3 Conditions

Name	Condition type	Description	Data type	References	Dependency
Display name (Id)	**Alias**	**Prompt**	**Value pattern**	**Condition ref group**	
Service bulletin S001 - Chain guard (SB-S001)	SB	Service bulletin S001 for the installation of the chain guard	String	S1000DBIKE-AAA-DA0-20-00-00AA-520A-A	Values: POST-001 Applic: A-1
tour finished (tourFinished)	Boolean	finished tour	String		

Table 4 Incorporation

Id	Issue No.	References	Date	Status
SB-S001	00	S1000DBIKE-AAA-DA0-20-00-00AA-520A-A	2007-07-31	Incorporated
SB-S001	01	S1000DBIKE-AAA-DA0-20-00-00AA-520A-A		No effect

S1000DBIKE-AAA-D00-00-00-00AA-00QA-D Applicable to: All

End of data module

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Mountain bicycle

Applicability cross-reference table

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Table 1 References

Data module / Technical publication	Title
None	

Applicability cross-reference table

Conditions cross-reference table: S1000DBIKE-AAA-D00-00-00-00AA-00QA-D
Products cross-reference table: S1000DBIKE-AAA-D00-00-00-00AA-00PA-D

Table 2 Product attribute list

Name	Description	Data type	Values
Display name (Id)		**Value pattern**	
Serial number SN (serialno)	Serial number (etched on the frame) (Hint: Serial Number (locate under the bottom bracket where the two pedal cranks meet)	String	
Type (type)	Type of bike	String	
Model (model)	Model of the bike	String .*	Brook trekker|Mountain storm
Version (version)	Version of the bike	String Mk(1|9)	Mk1|Mk9

Applicable to: All   **S1000DBIKE-AAA-D00-00-00-00AA-00WA-D**

Table 2 Product attribute list (Continued)

Name	Description	Data type	Values
Display name (Id)		**Value pattern**	
Version rank series (versrank)	Version rank	Integer	1~3
Brake Serial number BSN (brakeSerialno)	Serial number on the brake	String	
External product attribute Brake model - The model of the brake in a bike (brakeModel)		String	

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Bicycle

Controls and Indicators

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References

Table 1 References

Data module / Technical publication	Title
None	

General information

1   Introduction

The following table(s) and illustration(s) provide the description and use of the controls and indicators pertaining to the mountain bicycle(s). Some controls and indicators may differ depending on the model.

Applicable to: All

S1000DBIKE-AAA-D00-00-00-00AA-00XA-A

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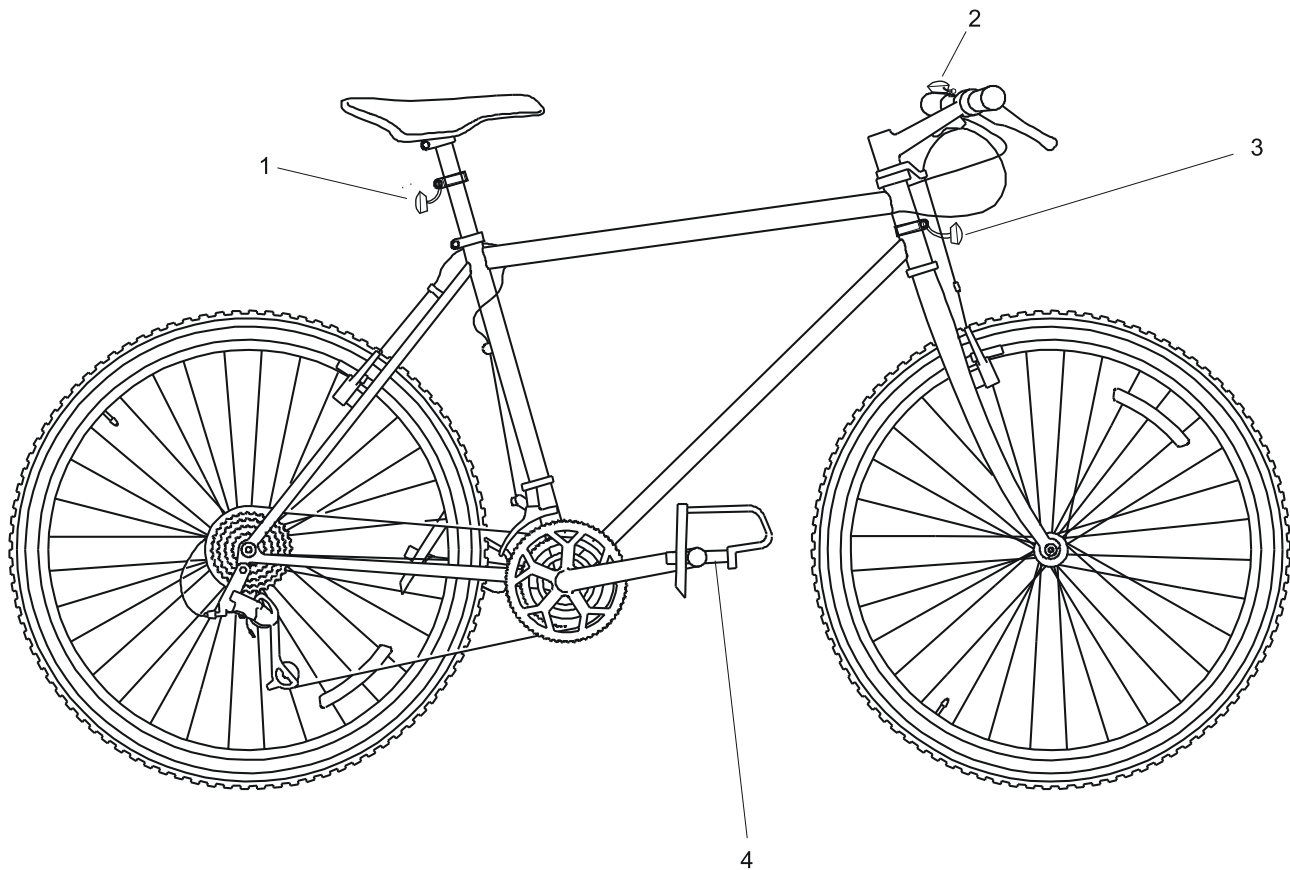
ICN-07GB6-BIKECI0001-001-01

Fig 1 Bicycle Controls and Indicators

Controls and indicators repository

1   Control or indicator group
References:.. Fig 1

1.1   ci-0001
Key:.. 1
Name:... LED Taillight
Description
Control or indicator functions:
-    Lights illuminate automatically when brakes are engaged.

1.2   ci-0002

Key:... 2

Name:.. Chrome Bell

Description

Control or indicator functions:

- Press to sound bell. Normally used to signal a need for attention.

1.3   ci-0003

Key:... 3

Name:.. LED Headlight

Description

Control or indicator functions:

- Push button to turn light **on** or **off**.

1.4   ci-0004

Key:... 4

Name:.. Platform Pedals

Description

Control or indicator functions:

- Control the acceleration of the bicycle.

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Business rules

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Table 1 References

Data module / Technical publication	Title
None	

Business rules exchange

General information

Introduction to the Bike BREX DM

The Bike BREX data module has primarily been developed to

- serve as an example of how a BREX data module is meant to be used
- to control and guide the continuous development of the Bike data set

The Bike BREX will be subject of continuous enhancements to ensure that each new specification issue is appropriately represented in the BREX module.

Applicable to: **S1000DBIKE-AAA-D00-00-00-00AA-022A-D**

Context rules

Table 2 Context rules

No.	[Allowed object flag] Object path/Notation name		
	Object use	**Object value [Tailoring]**	**Meaning**
1	[2] //dmAddress/dmIdent/dmCode/@modelIdentCode		
	Bike model identification	S1000DBIKE [Closed]	S1000D Bike platform
		S1000DLIGHTING [Closed]	S1000D Bike light system
		BRAKE [Closed]	S1000D Brake system
2	[2] //dmAddress/dmIdent/dmCode/@systemCode		
	Systems (Bike specific SNS)	D00~D09	
		DA0~DA9	
3	[2] //dmAddress/dmIdent/dmCode/@subSystemCode		
	Subsystems (Bike specific SNS)	0~9	
4	[2] //dmAddress/dmIdent/dmCode/@subSubsystemCode		
	Subsubsystems	0~9	
5	[2] //dmAddress/dmIdent/dmCode/@assyCode		
	Units of assembly	00~99	
6	[2] //dmAddress/dmIdent/dmCode/@infoCode		
	Bike information codes	000 [Closed]	In accordance with Issue 2.3
		001 [Restrictable]	Title page
		002 [Restrictable]	List of pages or data modules See also code 00R and code 00S
		009 [Restrictable]	Table of contents
		00E [Restrictable]	Functional item numbers common information repository
		00G [Restrictable]	Parts common information repository
		00H [Restrictable]	Zones common information repository
		00N [Restrictable]	Support equipment common information repository
		00P [Restrictable]	Product Cross-reference Table (PCT)
		00Q [Restrictable]	Conditions Cross-reference Table (CCT)
		00W [Restrictable]	Applicability Cross-reference Table (ACT)
		00X [Restrictable]	Controls and indicators common information repository

S1000DBIKE-AAA-D00-00-00-00AA-022A-D

Applicable to:

Table 2 Context rules (Continued)

No.	[Allowed object flag] Object path/Notation name		
	Object use	**Object value [Tailoring]**	**Meaning**
		0A1 [Restrictable]	Functional and/or physical areas repository
		0A2 [Restrictable]	!!!2009-144S1!!!
		0A3 [Restrictable]	Applicability cross reference catalog
		012 [Restrictable]	General warnings and cautions and related safety data
		018 [Closed]	In accordance with Issue 2.3
		022 [Closed]	In accordance with Issue 2.3
		028 [Closed]	In accordance with Issue 2.3
		029 [Closed]	In accordance with Issue 2.3
		040 [Closed]	In accordance with Issue 2.3
		041 [Closed]	In accordance with Issue 2.3
		042 [Closed]	In accordance with Issue 2.3
		043 [Closed]	In accordance with Issue 2.3
		056 [Closed]	In accordance with Issue 2.3
		057 [Closed]	In accordance with Issue 2.3
		058 [Closed]	In accordance with Issue 2.3
		100 [Closed]	In accordance with Issue 2.3
		121 [Closed]	In accordance with Issue 2.3
		130 [Restrictable]	Normal operation
		131 [Closed]	In accordance with Issue 2.3
		151 [Closed]	In accordance with Issue 2.3
		200 [Closed]	In accordance with Issue 2.3
		215 [Closed]	In accordance with Issue 2.3
		241 [Closed]	In accordance with Issue 2.3
		251 [Closed]	In accordance with Issue 2.3
		258 [Closed]	In accordance with Issue 2.3
		310 [Closed]	In accordance with Issue 2.3
		330 [Closed]	In accordance with Issue 2.3
		341 [Closed]	In accordance with Issue 2.3
		362 [Closed]	In accordance with Issue 2.3
		400 [Closed]	In accordance with Issue 2.3
		411 [Closed]	In accordance with Issue 2.3

Table 2 Context rules (Continued)

No.	[Allowed object flag] Object path/Notation name		
	Object use	**Object value [Tailoring]**	**Meaning**
		412 [Closed]	In accordance with Issue 2.3
		413 [Closed]	In accordance with Issue 2.3
		414 [Closed]	In accordance with Issue 2.3
		520 [Closed]	In accordance with Issue 2.3
		663 [Closed]	In accordance with Issue 2.3
		700 [Closed]	In accordance with Issue 2.3
		720 [Closed]	In accordance with Issue 2.3
		913 [Closed]	In accordance with Issue 2.3
		920 [Closed]	In accordance with Issue 2.3
		921 [Closed]	In accordance with Issue 2.3
		930 [Restrictable]	Service Bulletin
		933 [Restrictable]	Accomplishment instruction
		93A [Restrictable]	Modification procedures
		941 [Closed]	In accordance with Issue 2.3
7	[0] //descendant-or-self::orderedList[not(ancestor-or-self::description)]		
	Sequential (numbered) lists not allowed unless in descriptive data modules		
8	[0] //note[ancestor-or-self::warning]		
	Notes are not allowed in Warnings		
9	[0] //warning/orderedList		
	Ordered lists are not allowed in Warnings		
10	[0] //warning/definitionList		
	Definition lists are not allowed in Warnings		
11	[0] //warning/randomList/listItem/randomList		
	Random lists must not be nested within Warnings		
12	[0] //warning/randomList/title		
	Random list titles are not allowed in Warnings		
13	[0] //note[ancestor-or-self::caution]		
	Notes are not allowed in Cautions		

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Applicable to:

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Table 2 Context rules (Continued)

No.	[Allowed object flag] Object path/Notation name		
	Object use	Object value [Tailoring]	Meaning
14	[0] //caution/orderedList		
	Ordered lists are not allowed in Cautions		
15	[0] //caution/definitionList		
	Definition lists are not allowed in Cautions		
16	[0] //caution/randomList/listItem/randomList		
	Random lists must not be nested within Cautions		
17	[0] //caution/randomList/title		
	Random list titles are not allowed in Cautions		
18	[2] //@accessPanelTypeValue		
	Type of access panel	accpnl01 [Closed]	Access is a door
		accpnl02 [Closed]	Access is a panel
		accpnl03 [Closed]	Access is an electrical panel
19	[2] //acronym/@acronymtype		
	Type of acronym or abbreviation	at01 [Closed]	Acronym (Candidate for list of abbreviations) - Default value
		at02 [Closed]	Term (Candidate for list of terms)
		at03 [Closed]	Symbol (Candidate for list of symbols)
		at04 [Closed]	Spec (Candidate for list of applicable specs)
20	[2] //dialog/@cancelCaption		
	Caption for dialog cancel function	ca01 [Closed]	Sets the caption to "CANCEL"
		ca02 [Closed]	Sets the caption to "ABORT"
		ca03 [Closed]	Sets the caption to "NO"
		ca04 [Closed]	Sets the caption to "END"
		ca05 [Closed]	Sets the caption to "QUIT"

Applicable to: **S1000DBIKE-AAA-D00-00-00-00AA-022A-D**

Table 2 Context rules (Continued)

No.	[Allowed object flag] Object path/Notation name		
	Object use	**Object value [Tailoring]**	**Meaning**
21	[2] //security/@securityClassification		
	Security classification	01 [Closed]	1 (lowest level of security classification, eg Unclassified)
22	[2] //security/@commercialClassification		
	Commercial security classification	cc51 [Closed]	Open
23	[2] //caption/@colour		
	Caption color	co00 [Closed]	None
		co01 [Closed]	Green
		co02 [Closed]	Amber
		co03 [Closed]	Yellow
		co04 [Closed]	Red
		co07 [Closed]	White
		co08 [Closed]	Grey
		co09 [Closed]	Clear - Default value
		co51 [Closed]	Blue (used on Bike Computer Display)
24	[0] //commentPriority[not(attribute::commentPriorityCode)]		
	Priority level of a comment required		
25	[2] //@commentPriorityCode		
	Priority level of a comment	cp01 [Closed]	Routine
		cp02 [Closed]	Emergency
		cp03 [Closed]	Safety critical
26	[0] //crewMember[not(attribute::crewMembertype)]		
	Type of crew member required for drill or procedural step		
27	[2] //@crewMembertype		
	Type of crew member	cm01 [Closed]	All
		cm51 [Closed]	Bike rider
		cm52 [Closed]	Bike technician
28	[0] //crewDrill/@drillType		
	Types of aircrew drills do not apply to the BikeDMs		

Docuneering

Table 2 Context rules (Continued)

No.	[Allowed object flag] Object path/Notation name		
	Object use	Object value [Tailoring]	Meaning
29	[2] //emphasis/@emphasisType		
	Type of emphasis	em01 [Closed]	Bold - Default value
		em02 [Closed]	Italic (only for legacy data, see Chap 3.9.1)
		em03 [Closed]	Underline (only for legacy data, see Chap 3.9.1)
		em04 [Closed]	Overline (only for marking vectors)
		em05 [Closed]	Strikethrough (not to be used to mark deleted text)
30	[2] //installationLocation/@installationLocationType		
	Type of install location	instloctyp02 [Closed]	Section
		instloctyp03 [Closed]	Station
		instloctyp04 [Closed]	Water line
		instloctyp05 [Closed]	Buttock line
		instloctyp60 [Closed]	Frame
31	[2] //maintLevel/@maintLevelCode		
	Maintenance level	ml01 [Closed]	Level 1 (home)
		ml02 [Closed]	Level 2 (authorized workshop)
32	[2] //@itemOriginator		
	Origin of equipment/harness/wire	orig01 [Closed]	Manufacturer
		orig02 [Closed]	Vendor
		orig03 [Closed]	Partner
33	[2] //randomList/@listItemPrefix		
	Prefix of 'randomList' items, limited to three variants	pf01 [Closed]	Simple (No prefix, only indent)
		pf02 [Closed]	Unorder (Depending on list level, prefix with short dash for first level, bullet for second, and short dash for third level - ISOpub: bull, dash) - Default value
		pf03 [Closed]	Dash (short dash - ISOpub: dash)
34	[2] //inlineSignificantData/@significantParaDataType		
	Paragraph significant data type	psd01 [Closed]	Ammunition
		psd02 [Closed]	Instruction disposition
		psd03 [Closed]	Lubricant
		psd04 [Closed]	Maintenance level

Applicable to: **S1000DBIKE-AAA-D00-00-00-00AA-022A-D**

Table 2 Context rules (Continued)

No.	[Allowed object flag] Object path/Notation name		
	Object use	**Object value [Tailoring]**	**Meaning**
		psd05 [Closed]	Manufacturer code
		psd06 [Closed]	Manufacturers recommendation
		psd07 [Closed]	Modification code
		psd08 [Closed]	Qualification code
		psd09 [Closed]	Training level
		psd10 [Lexical]	Control or Indicator value
35	[2] //quantity/@quantityType		
	Quantity data type	qty01 [Closed]	Length
		qty02 [Closed]	Price
		qty03 [Closed]	Temperature
		qty04 [Closed]	Time
		qty05 [Closed]	Torque value
		qty06 [Closed]	Voltage
		qty07 [Closed]	Volume
		qty08 [Closed]	Mass
36	[2] //dialog/@resetCaption		
	Caption for dialog reset caption	re01 [Closed]	Sets the caption to "RESET"
		re02 [Closed]	Sets the caption to "CLEAR"
37	[2] //commentResponse/@responseType		
	Type of response to a comment	rt01 [Closed]	Accepted
		rt02 [Closed]	Pending
		rt03 [Closed]	Partially accepted
		rt04 [Closed]	Rejected
38	[2] //@skillLevelCode		
	Personnel skill level	sk01 [Closed]	Basic
		sk02 [Closed]	Intermediate
		sk03 [Closed]	Advanced
39	[2] //@submitCaption		
	Caption for dialog submit function	ok01 [Closed]	Sets the caption to "OK"
		ok02 [Closed]	Sets the caption to "SUBMIT"
		ok03 [Closed]	Sets the caption to "YES"
		ok04 [Closed]	Sets the caption to "CONTINUE"
		ok05 [Closed]	Sets the caption to "EXIT"

S1000DBIKE-AAA-D00-00-00-00AA-022A-D　　　　　　　　　　　　　　Applicable to:

Docuneering

Table 2 Context rules (Continued)

No.	[Allowed object flag] Object path/Notation name		
	Object use	Object value [Tailoring]	Meaning
40	[2] //supervisorLevel/@supervisorLevelCode		
	Supervisor level	sl01 [Closed]	Low
		sl02 [Closed]	Low intermediate
		sl03 [Closed]	High intermediate
		sl04 [Closed]	High
41	[2] //@taskCode		
	Task code	taskcd01 [Closed]	Detailed inspection (DET)
		taskcd02 [Closed]	Discard (DIS)
		taskcd03 [Closed]	Functional Check (FNC)
		taskcd04 [Closed]	General visual inspection (GVI)
		taskcd05 [Closed]	Lubrication (LUB)
		taskcd06 [Closed]	Operational check (OPC)
		taskcd07 [Closed]	Restoration (RST)
		taskcd08 [Closed]	Servicing (SVC)
		taskcd09 [Closed]	Visual check (VCK)
42	[2] //limitType/@limitUnitType		
	Limit type	lt01 [Closed]	Time between overhaul
		lt02 [Closed]	Hard time
		lt03 [Closed]	Since last maintenance
		lt04 [Closed]	Out time limit
		lt05 [Closed]	On condition
		lt06 [Closed]	Check maintenance
		lt07 [Closed]	Functional check
43	[2] //threshold/@thresholdUnitOfMeasure		
	Unit of measurement for the threshold interval	th03 [Closed]	Months
		th04 [Closed]	Weeks
		th05 [Closed]	Years
		th06 [Closed]	Days
		th11 [Closed]	Shop visits
		th12 [Closed]	Auxiliary power unit change
		th14 [Closed]	Wheel change
		th35 [Lexical]	kilometer

Applicable to: **S1000DBIKE-AAA-D00-00-00-00AA-022A-D**

Table 2 Context rules (Continued)

No.	[Allowed object flag] Object path/Notation name		
	Object use	**Object value [Tailoring]**	**Meaning**
44	[2] //sourceType/@sourceTypeCode		
	indicates the type of source	stc51 [Closed]	fec
		stc52 [Closed]	sample
45	[2] //sourceType/@sourceCriticality		
	indicates the impact of not complying with the requirement	sc55 [Closed]	Evident, Safety
		sc56 [Closed]	Evident, operational
		sc57 [Closed]	Evident, Economic
		sc58 [Closed]	Hidden, Safety
		sc59 [Closed]	Hidden, Non-Safety
46	[2] //verbatimText/@verbatimStyle		
	Verbatim style	vs01 [Closed]	Generic verbatim
		vs02 [Closed]	Filename
		vs11 [Closed]	XML/SGML markup
		vs12 [Closed]	XML/SGML element name
		vs13 [Closed]	XML/SGML attribute name
		vs14 [Closed]	XML/SGML attribute value
		vs15 [Closed]	XML/SGML entity name
		vs16 [Closed]	XML/SGML processing instruction
		vs21 [Closed]	Program prompt
		vs22 [Closed]	User input
		vs23 [Closed]	Computer output
		vs24 [Closed]	Program listing
		vs25 [Closed]	Program variable name
		vs26 [Closed]	Program variable value
		vs27 [Closed]	Constant
		vs28 [Closed]	Class name
		vs29 [Closed]	Parameter name
47	[2] //@quantityUnitOfMeasure		
	Quantity data unit of measure - for further information refer to Chap 3.9.6.2 and the corresponding xml table		

Non context rules

Bike data modules must be reviewed and approved by EPWG before publishing.

The Bike data set must contain examples of how to apply constructs and principles representing various levels of concept sophistication.

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Bicycle

Description of how it is made

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References

Table 1 References

Data module / Technical publication	Title
None	

Description

1   Physical description of a bicycle

A bicycle (refer to Fig 1) is a frame and a number of movable components with mechanical parts that are completely open. There are no covers or sheet metal panels that prevent access to the mechanical parts. Thus, you can disassemble the different components of a bicycle (refer to Fig 1 [0]) to do:

-   an inspection
-   a maintenance task
-   a repair task

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

S1000DBIKE-AAA-D00-00-00-00AA-041A-A
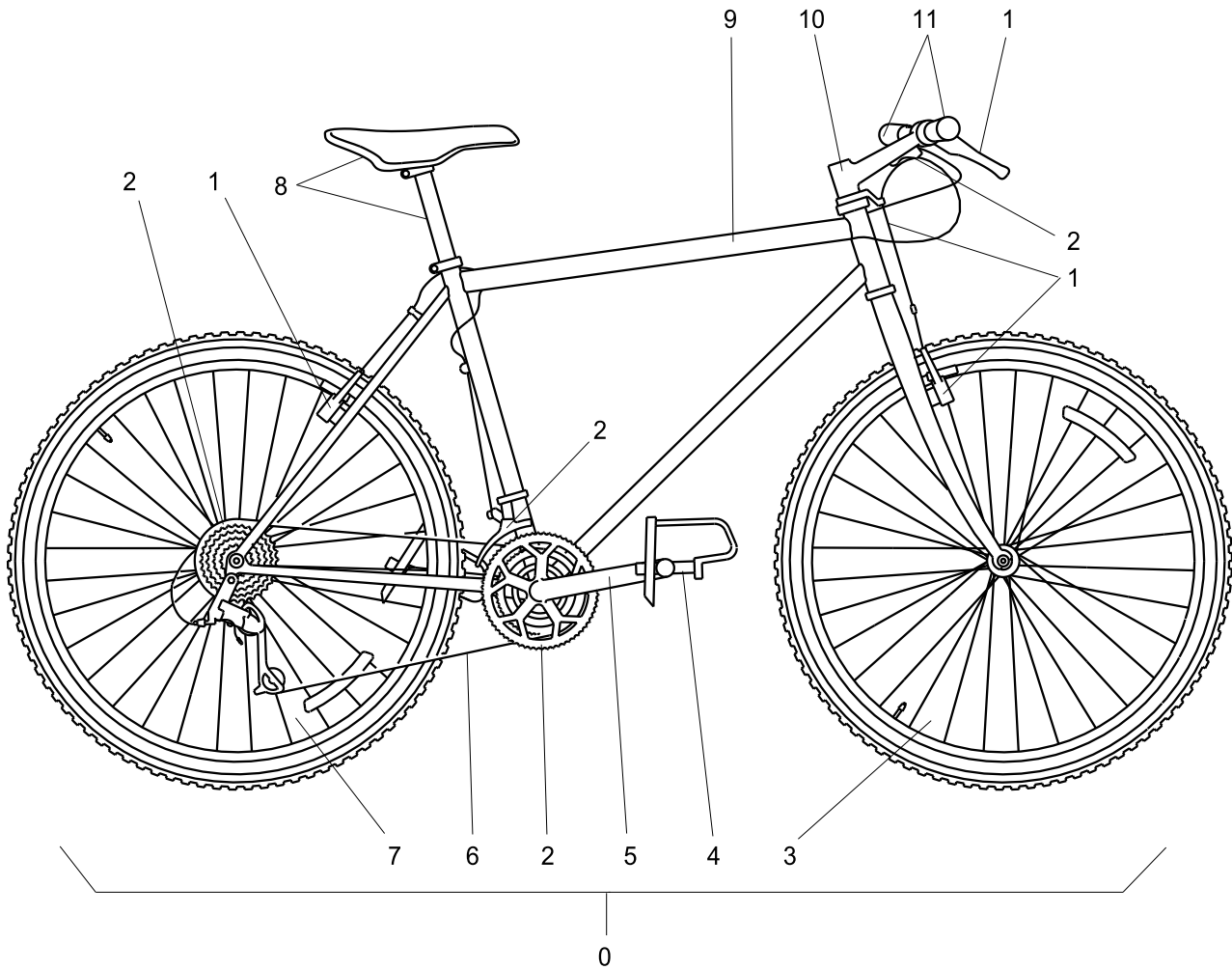
ICN-S1000DBIKE-AAA-D000000-0-U8025-00536-A-04-1

Fig 1 Complete bicycle

The parts that you can immediately identify on a bicycle are given in Table 1.

Table 2 Bicycle parts

Item	Refer to	Definition
Frame	Fig 1 [9]	A bicycle frame is made of metal tubes that are welded together.
Wheels		The wheels include these parts: - Hub - Spokes - Metal rim - Rubber tire
- Rear wheel	Fig 1 [7]	

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Table 2 Bicycle parts (Continued)

Item	Refer to	Definition
- Front wheel	Fig 1 [3]	
Seat and seat post	Fig 1 [8]	These install into the seat tube with a mechanism you can use to change the height.
Handle bars	Fig 1 [11]	A horizontal bar that attaches to the stem with grips at the ends that attach to the brake levers and the shifters.
Handle bar stem	Fig 1 [10]	This attaches the handle bar to the steering tube (head set).
Cranks	Fig 1 [5]	A lever that extends from the bottom of the bracket to the pedal.
Pedals	Fig 1 [4]	The two platforms for the feet that attach to the crank.
Chain	Fig 1 [6]	A circular set of links that connect the chain ring to the cogs on the freewheel.
Gears	Fig 1 [2]	The gears include: - Front chain ring - Rear freewheel - Front and the rear derailleur - Shift lever on the handle bars - Cables
Brakes	Fig 1 [1]	The brakes include: - Actuators on the handlebars - Brake cable - Brake callipers - Brake pads

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Bicycle

Description of function

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References

Table 1 References

Data module / Technical publication	Title
S1000DBIKE-AAA-DA3-00-00-00AA-041A-A	Frame – Description of how it is made
S1000DBIKE-AAA-DA0-00-00-00AA-041A-A	Wheel – Description of how it is made
S1000DBIKE-AAA-DA2-20-00-00AA-720A-A	Handlebar – Install procedures
S1000DBIKE-AAA-DA5-30-00-00AA-041A-A	Shifters – Description of how it is made
S1000DBIKE-AAA-DA2-10-00-00AA-720A-A	Stem – Install procedures
S1000DBIKE-AAA-DA2-10-00-00AA-520A-A	Stem – Remove procedures
S1000DBIKE-AAA-DA5-00-00-00AA-041A-A	Gears – Description of how it is made
S1000DBIKE-AAA-DA1-00-00-00AA-041A-A	Brake system – Description of how it is made
S1000DBIKE-AAA-DA2-20-00-00AA-520A-A	Handlebar – Remove procedures
S1000DBIKE-AAA-DA4-10-00-00AA-251B-A	Chain – Clean with chain cleaning fluid
S1000DBIKE-AAA-DA5-10-00-00AA-041A-A	Mechs – Description of how it is made

Description

1   Functional description of a bicycle

Below is a list of the different bicycle components and a functional description of them.

Frame	The frame is the skeleton of the bicycle. Refer to S1000DBIKE-AAA-DA3-00-00-00AA-041A-A for a functional description of the frame system.
Wheel	The wheel is the point of contact between the bicycle and the road for the bicycle to have movement. Refer to S1000DBIKE-

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

S1000DBIKE-AAA-D00-00-00-00AA-042A-A

AAA-DA0-00-00-00AA-041A-A for a functional description of the wheel.

Spokes	The spokes are thick wires with tension applied that connect the hub to the rim. You can adjust the tension with the nipple on the rim side.
Hub	The hub attaches to the center of the wheel where the axle and the bearings are.
Metal rim	The metal rim is a metal ring that has a U-shaped cross section to hold the spokes on the inner side and the tire on the outer side.
Seat	The Seat, which is also known as the 'saddle', is used as the support platform for the person to sit on the bicycle.
Seat post	The Seat post is used as a support post for the seat and to change the height of the seat for the rider.
Handle bar	The handle bar is a horizontal bar with handles on each end. The handle bar is a steering mechanism that the rider uses to change the direction of the bicycle. The brake levers are also on the handle bar. Refer to S1000DBIKE-AAA-DA2-20-00-00AA-720A-A for information on how to install the handle bar. Refer to S1000DBIKE-AAA-DA2-20-00-00AA-520A-A for information on removing the handlebar.
Handle bar stem	The handle bar stem (the stem) attaches the handle bar to the steering tube. Refer to S1000DBIKE-AAA-DA2-10-00-00AA-720A-A for information on how to install a stem. Refer to S1000DBIKE-AAA-DA2-10-00-00AA-520A-A for information on how to remove the stem.
Brake levers	When you operate the brake lever, the brake pads move against the wheel to decrease the speed. The brake lever on the left side operates the front brake. The brake lever on the right side operates the rear brake.
Brakes	When you operate the brakes, the brake pad moves against the wheel to decrease the speed of the bicycle. Refer to S1000DBIKE-AAA-DA1-00-00-00AA-041A-A for a description of the braking system.
Shifters	The shifters are the mechanisms that you use to change the gears on the bicycle. There are 7 different types of shifters that have been developed over the years, but they all have the same functionality. When you operate the shifters, they pull the control cable to move the derailleur towards a larger diameter chain ring. The shifters can also loosen the cable to let the derailleur move towards a smaller diameter chain ring. Refer to S1000DBIKE-AAA-DA5-30-00-00AA-041A-A for a functional description of the shifters.
Crank	The crank moves the power to the chain rings when the pedals operate.

	Pedals	The pedals move the force of movement from the feet to the cranks.
	Chain	The chain moves the power from the chain rings to the cogs on the freewheel. Refer to S1000DBIKE-AAA-DA4-10-00-00AA-251B-A for the procedure on how to clean the chain.
	Gears	The gears have different mechanisms that function together to change the speed of the bicycle. These mechanisms include:

the sprockets
the chain
the derailleur

Refer to S1000DBIKE-AAA-DA5-00-00-00AA-041A-A for a functional description of the gear system.

	Chain rings	The chain rings (also known as the 'chain wheel') pull on the chain when the cranks turn.
	Derailleur	A derailleur moves the chain from one sprocket to another to change the gears. There are two different types of derailleur, the front and the rear. The highest ratio (highest gear) is when the chain is on the largest sprocket on the front and the smallest at the rear. To get the lowest gear, the smallest sprocket is at the front and the largest at the rear. Refer to S1000DBIKE-AAA-DA5-10-00-00AA-041A-A for a functional description of the derailleur system.

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Bicycle

Description attributed to crew

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References

Table 1   References

Data module / Technical publication	Title
S1000DBIKE-AAA-DA5-30-00-00AA-041A-A	Shifters – Description of how it is made

1   Introduction

Data about the bicycle and its control system is given in this document. This data will help you operate the bicycle.

2

2.1   Controls

Data about the controls that follow is given in this document:

- Para 2.2
- Para 2.3
- Para 2.4
- Para 2.5

2.2   Steering

The handlebars are used to steer the bike. They are at the front of the bicycle. You hold one of the handlebar grips with each hand and move the handle bar to change the direction of the bike.

2.3   Shifters

The gears control the ratio of pedal rotation to wheel rotation. You can change this with the shifters S1000DBIKE-AAA-DA5-30-00-00AA-041A-A . The shifters are on the handlebar.

A description of the two Table 2 follows.

Table 2 shifter correlation

Shifter Location	Affected Gears
Left	The buttons on the left shifter changes the gears on the front derailleur.
Right	The buttons on the right shifter changes the gears on the rear derailleur.

2.4   Brakes

WARNING

If you operate the front brake without the rear brake you can cause a crash.

You can decrease the speed of the bike with the brakes. You operate the brakes with the brake levers on the handlebar.

A description of the Table 3 follows.

Table 3 brake lever correlation

Brake Lever Location	Affected Brake
Left	This lever operates the front brake.
Right	This lever operates the rear brake.

2.5   Pedals

The ci-0004 are at the bottom of the seat tube. You operate the ci-0004 to move the bicycle forward.

S1000DBIKE-AAA-D00-00-00-00AA-043A-A

End of data module

Page 2 2012-12-31   **UNCLASSIFIED**

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

Mountain bicycle

Applicability cross-reference table catalog

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References

Table 1 References

Data module / Technical publication	Title
None	

Applicability cross-reference table

Table 2 Applicability cross-reference table references

Data module	Title
S1000DBIKE-AAA-D00-00-00-00AA-00WA-D	
BRAKE-AAA-D00-00-00-00AA-00WA-D	

Table 3 Product definition relationships

Data module	Type	Values	Data module	Association type
brakeSerialNo	Product attribute		S1000DBIKE-AAA-D00-00-00-00AA-00WA-D	
serialNo	Product attribute		BRAKE-AAA-D00-00-00-00AA-00WA-D	Alias
brakeModel	Product attribute		S1000DBIKE-AAA-D00-00-00-00AA-00WA-D	
model	Product attribute		BRAKE-AAA-D00-00-00-00AA-00WA-D	External reference

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Docuneering

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)

S1000DBIKE-AAA-D00-00-00-00AA-121A-A

Required persons

<div align="center">*Table 3 Required persons*</div>

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

Support equipment

<div align="center">*Table 4 Support equipment*</div>

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

<div align="center">*Table 5 Consumables, materials and expendables*</div>

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

Spares

<div align="center">*Table 6 Spares*</div>

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.

ICN-S1000DBIKE-AAA-DA10000-0-U8025-00537-A-03-1

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
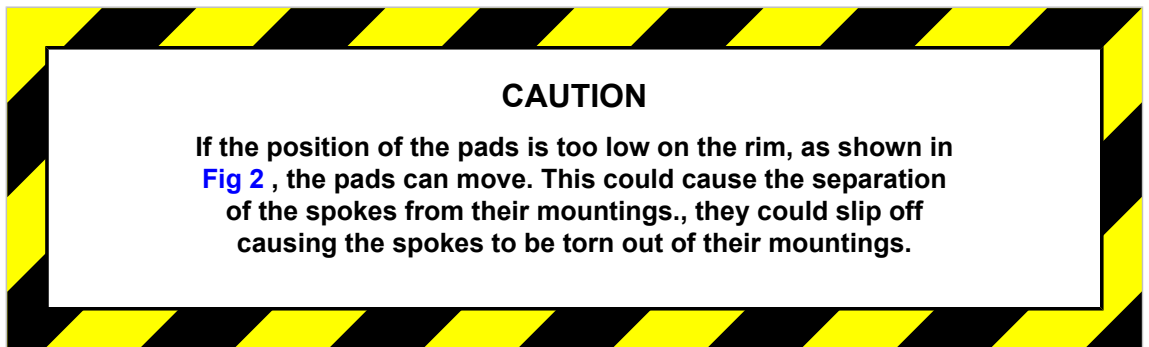
CAUTION

If the position of the pads is too low on the rim, as shown in Fig 2 , the pads can move. This could cause the separation of the spokes from their mountings., they could slip off causing the spokes to be torn out of their mountings.

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

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A
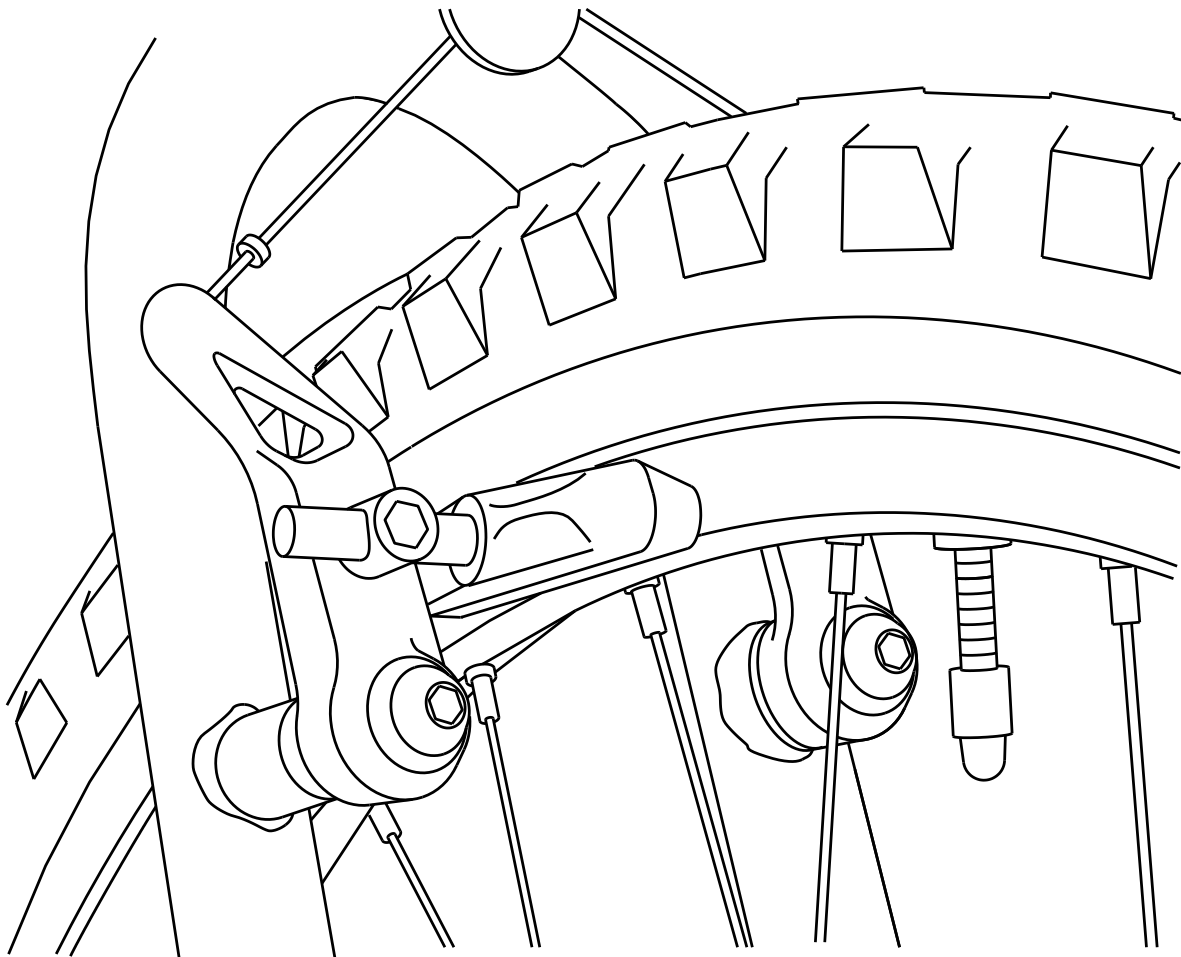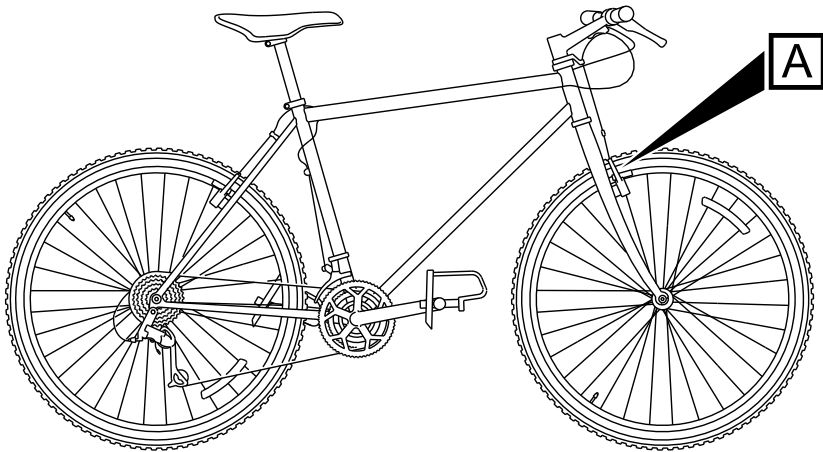
ICN-S1000DBIKE-AAA-DA10000-0-U8025-00515-A-04-1

Fig 2 Brake pad seating

S1000DBIKE-AAA-D00-00-00-00AA-121A-A

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

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.

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

S1000DBIKE-AAA-D00-00-00-00AA-121A-A

Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
None	

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

Docuneering

Bicycle

Riding a bicycle

This is a "process" Data Module

The Docuneering S1000D XSL-FO Stylesheets
do not yet support the "process" Data Module

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Docuneering

Bicycle

Normal operation procedures (crew)

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References

Table 1 References

Data module / Technical publication	Title
None	

Pre-ride inspection

Brakes

Pads

1 Pads... Free of unwanted material

2 Pads... Acceptable pad width

3 Pads... Acceptable pad clearance

Callipers

1 Link Wire... Firmly attached

Levers

1 Levers.. Approximately 1 inch of travel before engagement

2 Levers.. Space between lever and handlebar when fully pulled

Cables

1 Cables... No cuts or fraying

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

S1000DBIKE-AAA-D00-00-00-00AA-131A-A

Tires

1 Pressure..

Table 2 Correlation of tire pressure and terrain

Tire Pressures	Min	Max
Off Road	35lbs	40lbs
On Road	55lbs	60lbs

2 Tires... No cracks or splits

Wheels

1 Wheels...................................... No loose bearings

2 Wheels...................................... True

3 Spokes...................................... Not broken

If: Spokes not broken
　4 Spokes.................................. Tight

5 Axel Nuts.................................. Tight

Headset

1 Headset bearings......................... Tight

Chain

1 Links.. Easy movement of links

Handlebar

WARNING

Do not ride with a cracked stem

If: Stem cracked
　1 *Procedure*
　　Replace stem

Else if: Stem is loose
　1 *Procedure*
　　Tighten stem

If: Handlebars twist in stem
　2 *Procedure*
　　Tighten clamp bolt

Docuneering

Computer

1 Computer Display... *Applicable to:* Mountain storm Mk1

ALTITUDE	0 miles
SPEED	0 mph
DISTANCE	0 miles

Applicable to: Brook trekker Mk9

SPEED	0 mph
DISTANCE	0 miles

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

S1000DBIKE-AAA-D00-00-00-00AA-131A-A

End of data module

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Docuneering

Bicycle

Post-operation procedures (crew)

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References

Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Support equipment

Table 3 Support equipment

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

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

S1000DBIKE-AAA-D00-00-00-00AA-151A-A

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Consumables, materials and expendables

Table 4 Consumables, materials and expendables

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

Spares

Table 5 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Procedure

1   Clean the bicycle.

1.1   Clean the bicycle with water.

1.2   Use the brush from the Specialist toolset to clean the brakes, the shift levers, the sprockets and the tires.

1.3   Let the bicycle dry.

2   Lubricate the bicycle

2.1   Spray the General lubricant, to these moving parts:

        the brake pivots
        the derailleur pivots
        the derailleur tension guides
        the brake lever pivots
        the control cables
        the gear sprockets
        the chain

2.2   Remove the lubricant which is more than the necessary.

Docuneering

Requirements after job completion

Required conditions

Table 6 Required conditions

Action / Condition	Data module / Technical publication
None	

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Docuneering

Bicycle

Servicing: Attention

This is a "learning" Data Module

**The Docuneering S1000D XSL-FO Stylesheets
do not yet support the "learning" Data Module**

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Docuneering

Bicycle

Servicing: Prerequisite concept review

This is a "learning" Data Module

**The Docuneering S1000D XSL-FO Stylesheets
do not yet support the "learning" Data Module**

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Docuneering

Bicycle

Other procedures to clean

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References

Table 1 References

Data module / Technical publication	Title
S1000DBIKE-AAA-DA4-10-00-00AA-241A-A	Chain – Oil

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
The bicycle is outdoors	

S1000DBIKE-AAA-D00-00-00-00AA-258A-A

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Applicable to: *Mountain bicycle Brook trekker Mk9*

Required persons

Table 3 Required persons

Persons	Category	Skill level	Trade/Trade code	Estimated time
Man A	Chemical technician	Intermediate	Bike cleaner	1,0 h

Applicable to: *Mountain bicycle Mountain storm Mk1*

Required persons

Table 4 Required persons

Persons	Category	Skill level	Trade/Trade code	Estimated time
Man B	Operator	Intermediate	Bike rider	1,0 h

Support equipment

Table 5 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
Water hose	MFR: KZ666 /PN: BSK-TLST-001-09	1 EA	
Stiff bristle brush	MFR: KZ666 /PN: BSK-TLST-001-02	1 EA	
Sponge	MFR: KZ666 /PN: BSK-TLST-001-11	1 EA	

Consumables, materials and expendables

Table 6 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
Degreasing agent	MFR: KZ222 /PN: LL-004	1 L	
Detergent A	MFR: KZ666 /PN: BSK-TLST-023-14	1 L	
Applicable to: *Mountain bicycle Brook trekker Mk9*			
Detergent B	MFR: KZ666 /PN: BSK-TLST-001-15	1 L	

Spares

Table 7 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

S1000DBIKE-AAA-D00-00-00-00AA-258A-A

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

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Docuneering

Safety conditions

WARNING

Do not get **Detergent A** into your eyes. If it gets into
your eyes, wash them immediately in clean warm water.

WARNING

Do not get **Detergent B** into your eyes. If it gets into
your eyes, wash them immediately in clean warm water.

CAUTION

Do not use a **Water hose** that has high pressure. A water hose that has
high pressure can cause some parts to become loose or full of water.

CAUTION

Do not point the hose directly at the hub or at the bottom
bracket bearings. This can cause damage to the parts.

CAUTION

Apply **Detergent B** in accordance with the instruction on the container. The
substance may cause damage to the Bike paint if it is not applied correctly.

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

S1000DBIKE-AAA-D00-00-00-00AA-258A-A

Procedure

1   Clean the bicycle with water to remove all dirt. Refer to Fig 1.

ICN-S1000DBIKE-AAA-D000000-0-U8025-00502-A-04-1

Fig 1 Cleaning the bike

2   Use a Stiff bristle brush to get access to areas that are not easy to clean. These are the shift
levers, the knobbly tires, and the brakes.

3   Clean the caked grime from the chain and the sprockets with a screwdriver that has a small
blade.

4   Remove the grease from the freewheel assembly with the Degreasing agent as shown in Fig 2 .
Use a brush to remove the grease from these parts:

-   sprockets
-   guide and tension wheels of the derailleur

S1000DBIKE-AAA-D00-00-00-00AA-258A-A

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

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-   chain ring teeth

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

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ICN-S1000DBIKE-AAA-DA52000-0-U8025-00523-A-04-1

Fig 2 Degreasing the freehub

S1000DBIKE-AAA-D00-00-00-00AA-258A-A

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

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5   Flush the sprockets, the derailleurs, the chain rings and the chain with water.

> **Note 1**
>   If necessary, do the flush procedure again.

Applicable to: Mountain bicycle Mountain storm Mk1
6   Wash the Bike

6.1   Soak the Sponge into Detergent A and water.

6.2   Clean the bicycle with the soaked sponge.

6.3   Flush the bicycle and make sure that all Detergent A is removed.

6.4   Move the bicycle up and down on its tires to remove all water.

Applicable to: Mountain bicycle Brook trekker Mk9
7   Wash the Bike

7.1   Soak the Sponge into Detergent B and water.

7.2   Clean the bicycle with the soaked sponge.

7.3   Soak the Sponge into Detergent A and water.

7.4   Fully clean the bicycle with the soaked sponge.

7.5   Flush the bicycle to make sure that all detergents are removed.

7.6   Move the bicycle up and down on its tires to remove all water.

8   Lubricate the bicycle (refer to S1000DBIKE-AAA-DA4-10-00-00AA-241A-A).

Requirements after job completion

Required conditions

Table 8 Required conditions

Action / Condition	Data module / Technical publication
Make sure the bicycle is dry	

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

S1000DBIKE-AAA-D00-00-00-00AA-258A-A
End of data module

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Docuneering

Bicycle

Other procedures to clean

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Table 1 References

Data module / Technical publication	Title
S1000DBIKE-AAA-DA4-10-00-00AA-241A-A	Chain – Oil

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
The bicycle is outdoors	

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

S1000DBIKE-AAA-D00-00-00-00AA-258B-A

Applicable to: *Mountain bicycle Brook trekker Mk9*
Required persons

<p align="center">*Table 3 Required persons*</p>

Persons	Category	Skill level	Trade/Trade code	Estimated time
Man A	Chemical technician	Intermediate	Bike cleaner	1,0 h

Applicable to: *Mountain bicycle Mountain storm Mk1*
Required persons

<p align="center">*Table 4 Required persons*</p>

Persons	Category	Skill level	Trade/Trade code	Estimated time
Man B	Operator	Intermediate	Bike rider	1,0 h

Support equipment

<p align="center">*Table 5 Support equipment*</p>

Name	Manufacturer / Part No.	Quantity	Remark
Water hose	MFR: KZ666 /PN: BSK-TLST-001-09	1 EA	
Stiff bristle brush	MFR: KZ666 /PN: BSK-TLST-001-02	1 EA	
Sponge	MFR: KZ666 /PN: BSK-TLST-001-11	1 EA	

Consumables, materials and expendables

<p align="center">*Table 6 Consumables, materials and expendables*</p>

Name	Manufacturer / Part No.	Quantity	Remark
Degreasing agent	MFR: KZ222 /PN: LL-004	1 L	
Detergent A	MFR: KZ666 /PN: BSK-TLST-023-14	1 L	
Applicable to: *Mountain bicycle Brook trekker Mk9*			
Detergent B	MFR: KZ666 /PN: BSK-TLST-001-15	1 L	

Spares

<p align="center">*Table 7 Spares*</p>

Name	Manufacturer / Part No.	Quantity	Remark
None			

S1000DBIKE-AAA-D00-00-00-00AA-258B-A

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

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Docuneering

Safety conditions

> **WARNING**
>
> Do not get **Detergent A** into your eyes. If it gets into
> your eyes, wash them immediately in clean warm water.

> **WARNING**
>
> Do not get **Detergent B** into your eyes. If it gets into
> your eyes, wash them immediately in clean warm water.

> **CAUTION**
>
> Do not use a **Water hose** that has high pressure. A water hose that has
> high pressure can cause some parts to become loose or full of water.

> **CAUTION**
>
> Do not point the hose directly at the hub or at the bottom
> bracket bearings. This can cause damage to the parts.

> **CAUTION**
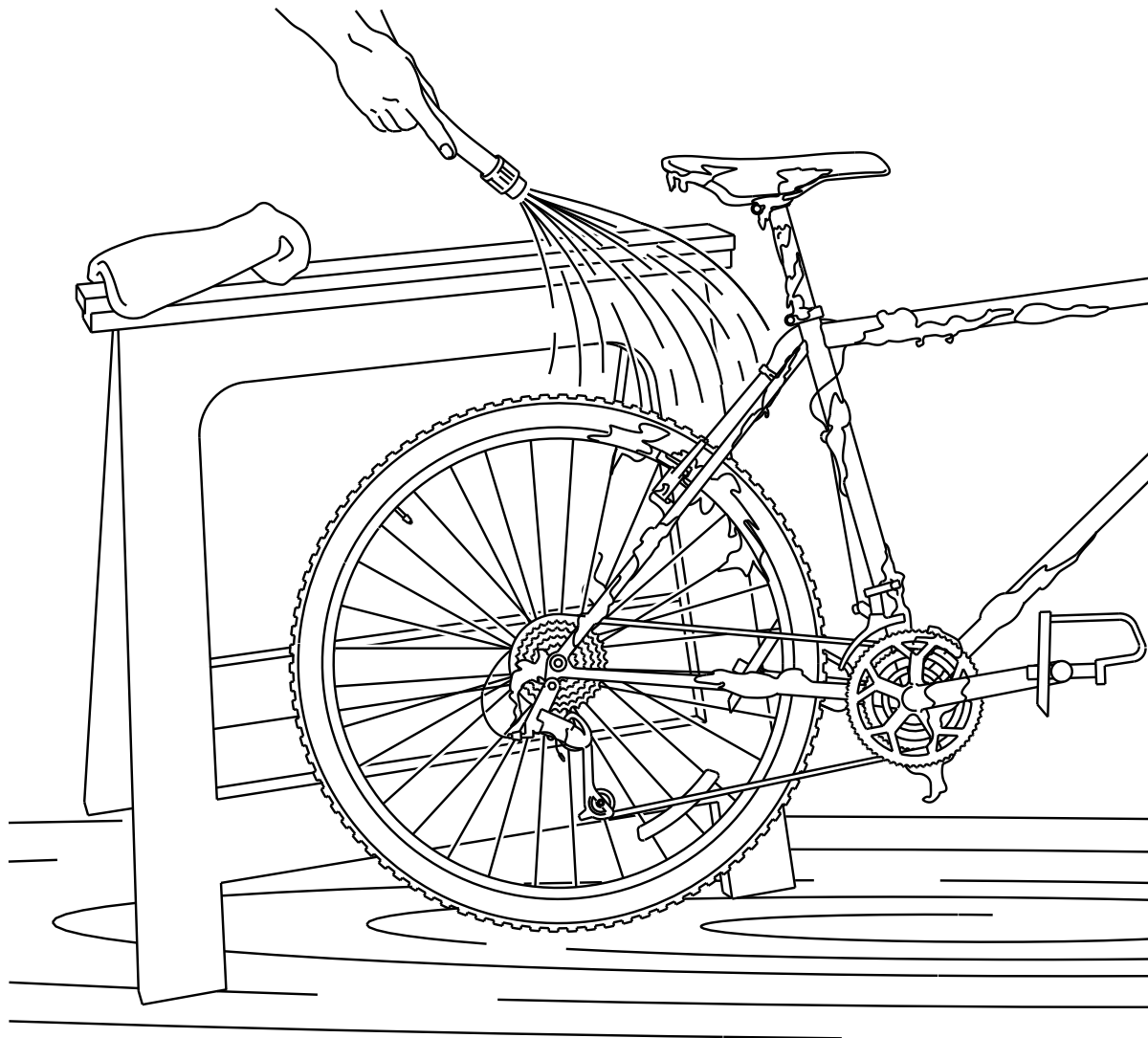>
> Apply **Detergent B** in accordance with the instruction on the container. The
> substance may cause damage to the Bike paint if it is not applied correctly.

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

S1000DBIKE-AAA-D00-00-00-00AA-258B-A

Procedure

1   Clean the bicycle with water to remove all dirt. Refer to Fig 1.

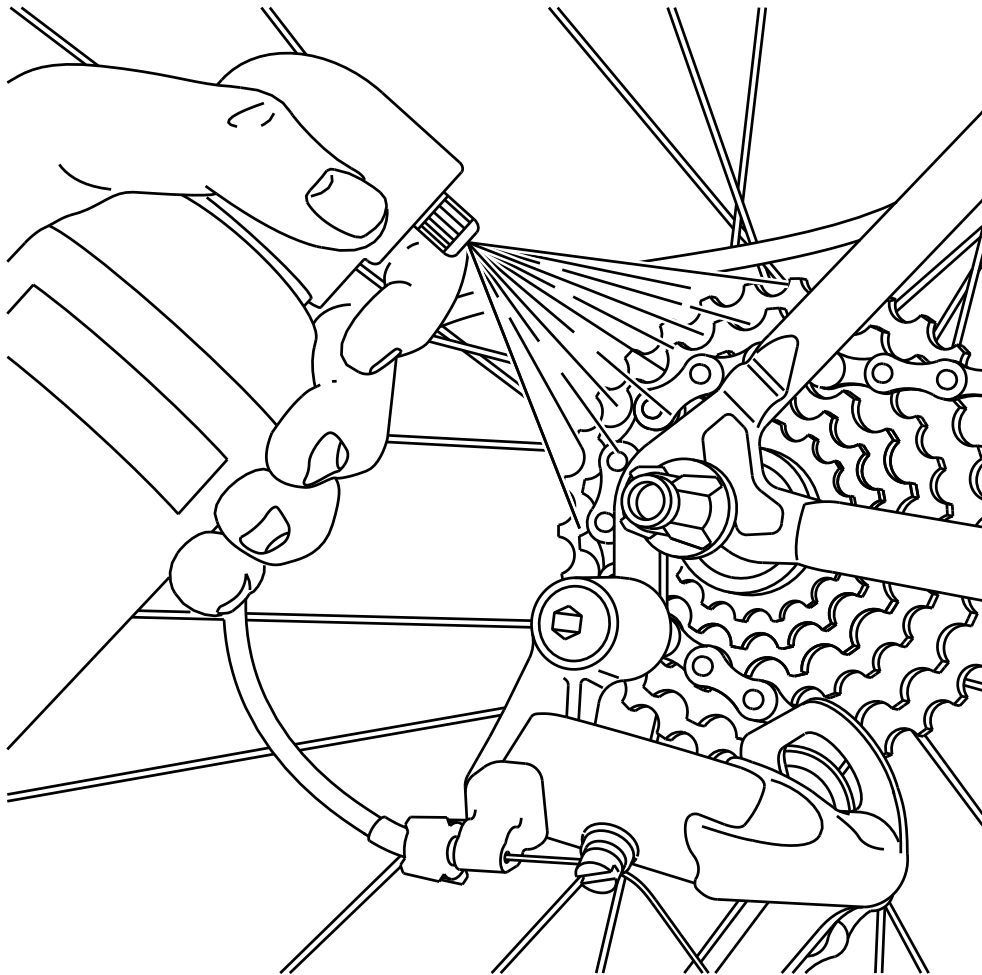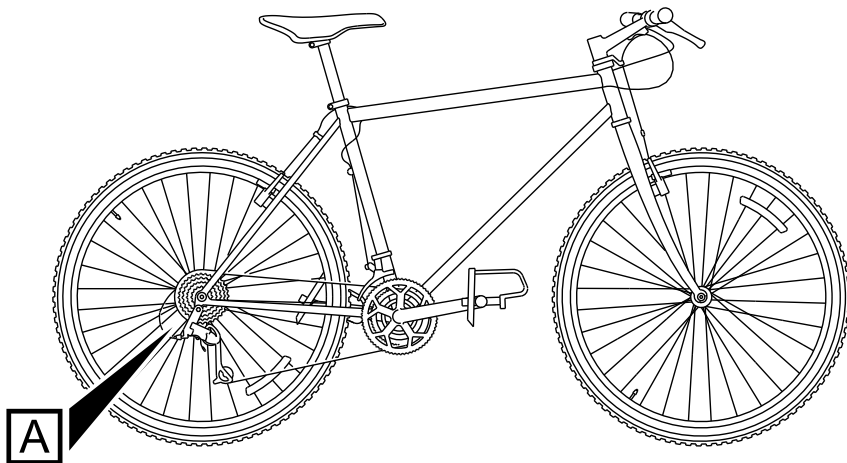ICN-S1000DBIKE-AAA-D000000-0-U8025-00502-A-04-1

Fig 1 Cleaning the bike

2   Use a Stiff bristle brush to get access to areas that are not easy to clean. These are the shift levers, the knobbly tires, and the brakes.

3   Clean the caked grime from the chain and the sprockets with a screwdriver that has a small blade.

4   Remove the grease from the freewheel assembly with the Degreasing agent as shown in Fig 2 . Use a brush to remove the grease from these parts:

-   sprockets
-   guide and tension wheels of the derailleur

- chain ring teeth

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

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Docuneering

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ICN-S1000DBIKE-AAA-DA52000-0-U8025-00523-A-04-1

Fig 2 Degreasing the freehub

S1000DBIKE-AAA-D00-00-00-00AA-258B-A

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

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5   Flush the sprockets, the derailleurs, the chain rings and the chain with water.

   Note 1
      If necessary, do the flush procedure again.

Applicable to: Mountain bicycle Mountain storm Mk1
6   Wash the Bike

6.1   Soak the Sponge into Detergent A and water.

6.2   Clean the bicycle with the soaked sponge.

6.3   Flush the bicycle and make sure that all Detergent A is removed.

6.4   Move the bicycle up and down on its tires to remove all water.

Applicable to: Mountain bicycle Brook trekker Mk9
6   Wash the Bike

6.1   Soak the Sponge into Detergent B and water.

6.2   Clean the bicycle with the soaked sponge.

6.3   Soak the Sponge into Detergent A and water.

6.4   Fully clean the bicycle with the soaked sponge.

6.5   Flush the bicycle to make sure that all detergents are removed.

6.6   Move the bicycle up and down on its tires to remove all water.

7   Lubricate the bicycle (refer to S1000DBIKE-AAA-DA4-10-00-00AA-241A-A).

Requirements after job completion

Required conditions

Table 8   Required conditions

Action / Condition	Data module / Technical publication
Make sure the bicycle is dry	

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

S1000DBIKE-AAA-D00-00-00-00AA-258B-A
End of data module
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Docuneering

Bicycle

Place on test stand

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References

Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Required persons

Table 3 Required persons

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

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

S1000DBIKE-AAA-D00-00-00-00AA-330A-A

Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
Test stand	MFR: KZ666 /PN: BSK-TLST-999-01	1 EA	

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Procedure

1   Ensure Test stand is level.

2   Place bicycle on the test stand.

3   Tight clamps until bicycle is securely attach to the test stand.

Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
None	

Docuneering

Bicycle

Standard repair procedures

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References

Table 1 References

Data module / Technical publication	Title
S1000DBIKE-AAA-DA0-20-00-00AA-520A-A	Rear wheel – Remove procedures

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)

S1000DBIKE-AAA-D00-00-00-00AA-663A-A

Required persons

<div align="center">*Table 3 Required persons*</div>

Persons	Category	Skill level	Trade/Trade code	Estimated time
Man A	Operator	Basic	Bike rider	0,5 h

Support equipment

<div align="center">*Table 4 Support equipment*</div>

Name	Manufacturer / Part No.	Quantity	Remark
Tire lever	MFR: KZ666 /PN: BSK-TLST-001-04	1 EA	
Foot pump	MFR: KZ666 /PN: BSK-TLST-001-05	1 EA	
Marker pen	MFR: KZ666 /PN: BSK-TLST-001-07	1 EA	
Tube patch kit	MFR: KZ666 /PN: BSK-TLST-001-07	1 EA	

Consumables, materials and expendables

<div align="center">*Table 5 Consumables, materials and expendables*</div>

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

<div align="center">*Table 6 Spares*</div>

Name	Manufacturer / Part No.	Quantity	Remark
Inner-tube	MFR: KT222 /PN: IT-001	1 EA	

Safety conditions

CAUTION

When you remove the rear wheel to repair a puncture, disconnect the brake arm from the chain stay.
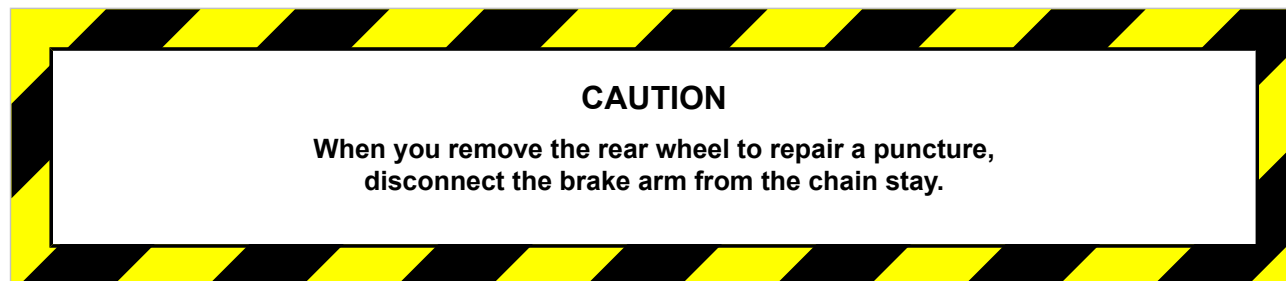
Procedure

1   Remove the rear wheel. (Refer to S1000DBIKE-AAA-DA0-20-00-00AA-520A-A)

2   Make sure that there is no air in the tube.

2.1   Loosen the cap on the valve stem.

2.2   Push the valve stem core down to bleed all the air.

3   Use a Tire lever to move the tire bead out of its seat. Lift the tire bead above the lip of the rim.

Applicable to: Mountain bicycle
and (Mountain storm Mk1 or
Brook trekker Mk9)
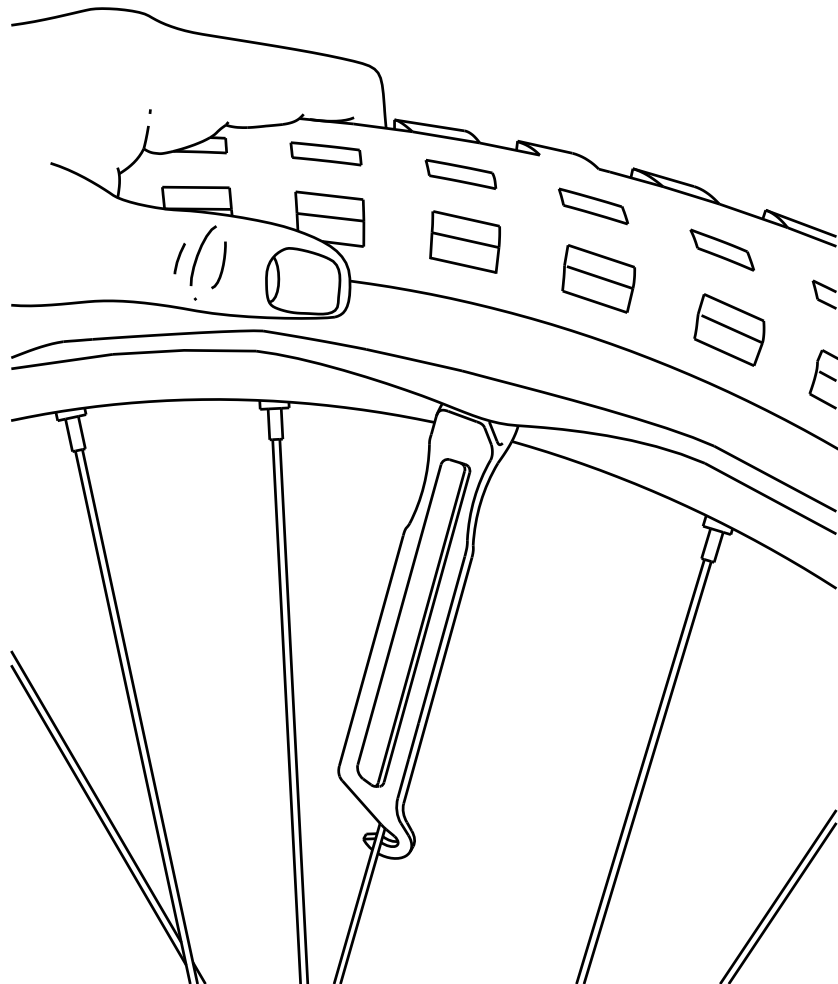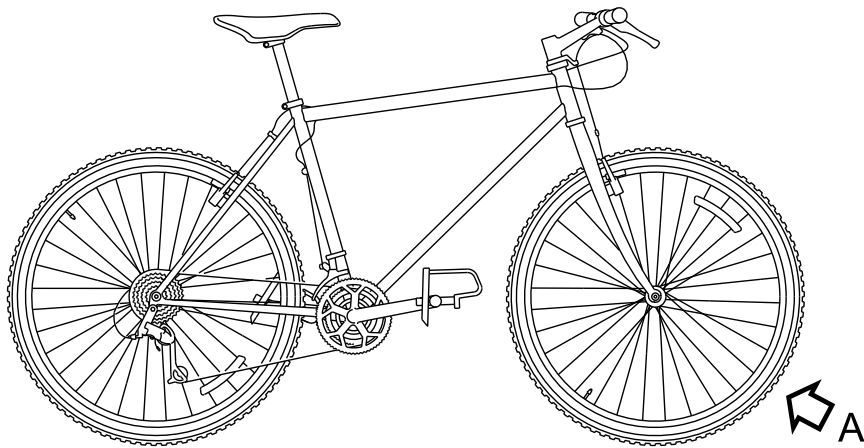
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Fig 1 Unseating the tire with a tire lever

S1000DBIKE-AAA-D00-00-00-00AA-663A-A

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

4   Remove the tube.

5   Inflate (not fully) the tube with the Foot pump. Examine the tube for leaks.

6   If you find a leak, identify it with a circle made with a Marker pen.

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

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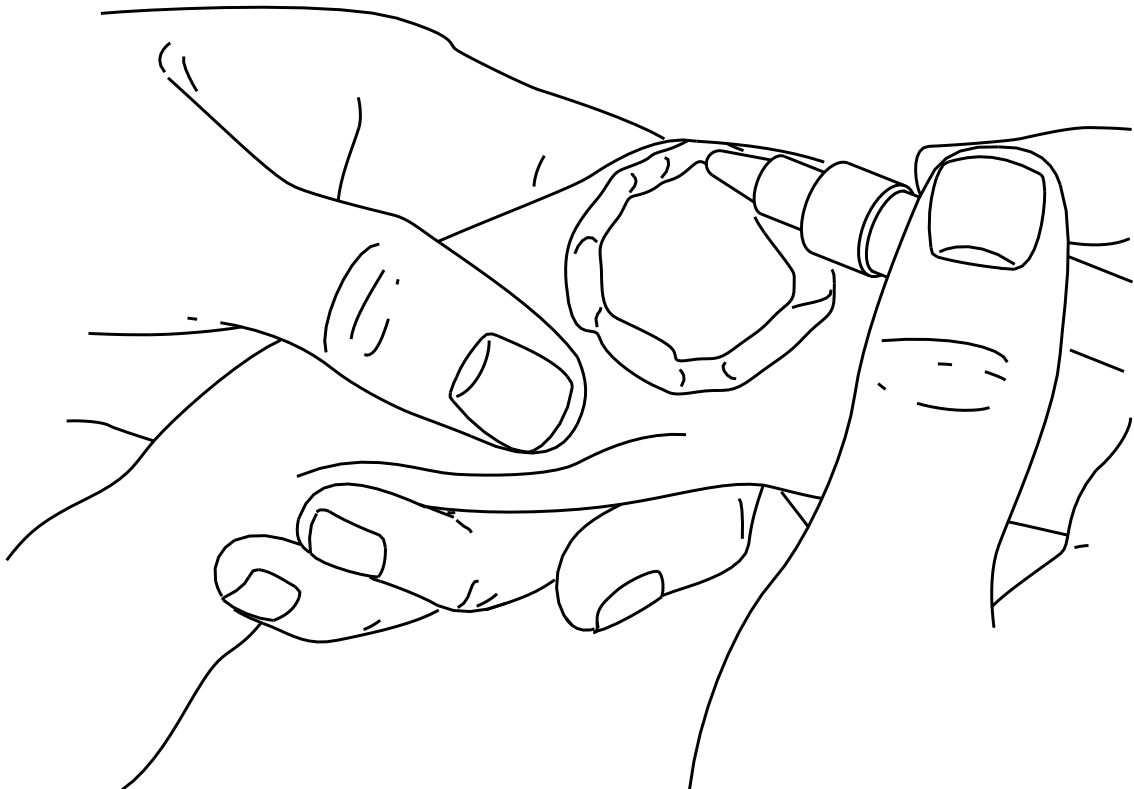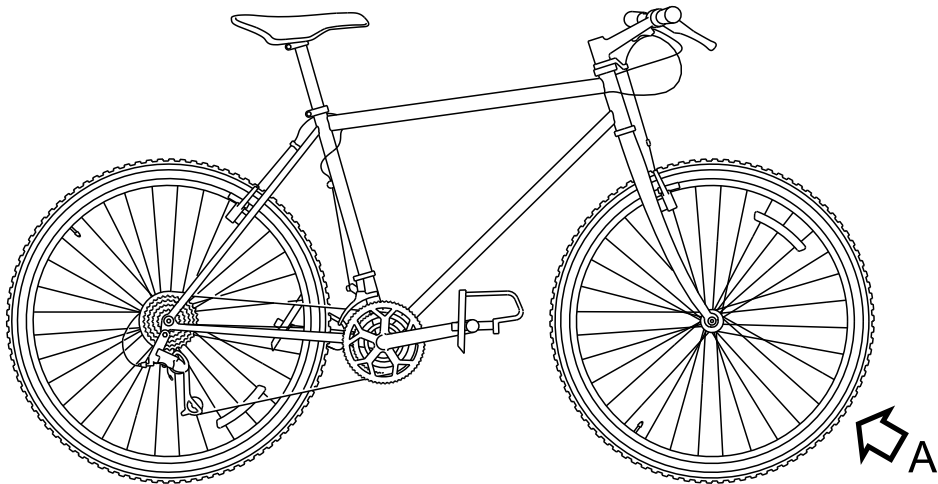
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Fig 2 Circle leak

S1000DBIKE-AAA-D00-00-00-00AA-663A-A

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

Docuneering

7   Release most of the air.

8   Use a piece of sandpaper from the Tube patch kit and make the area on and around the hole
         rough. This will help the patch bond correctly.

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

S1000DBIKE-AAA-D00-00-00-00AA-663A-A

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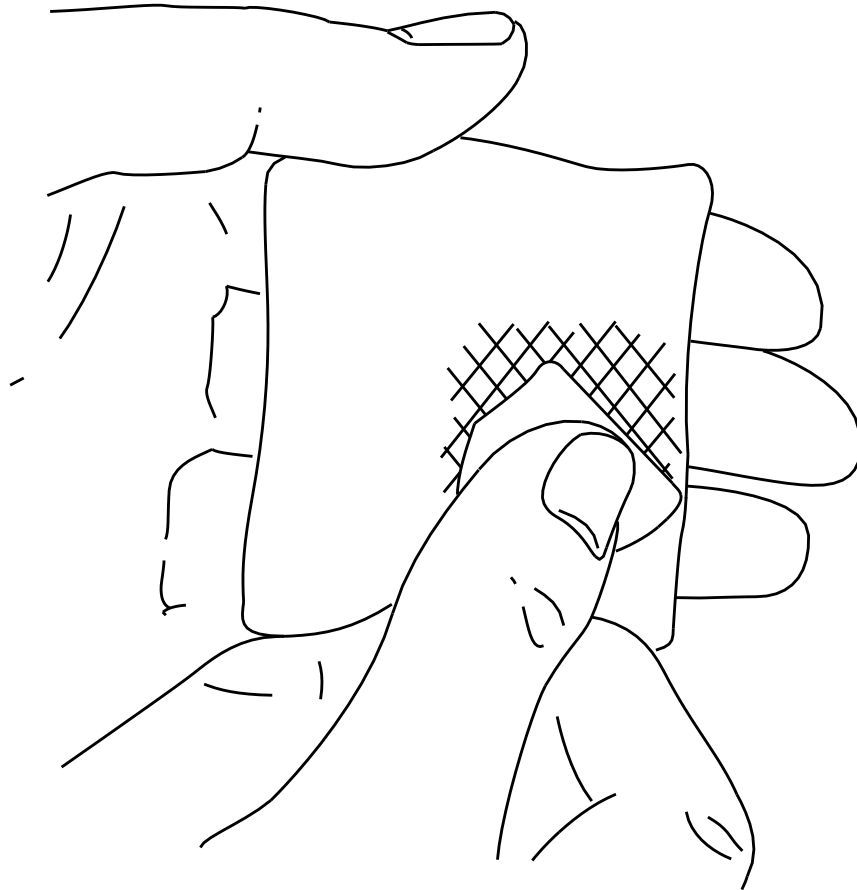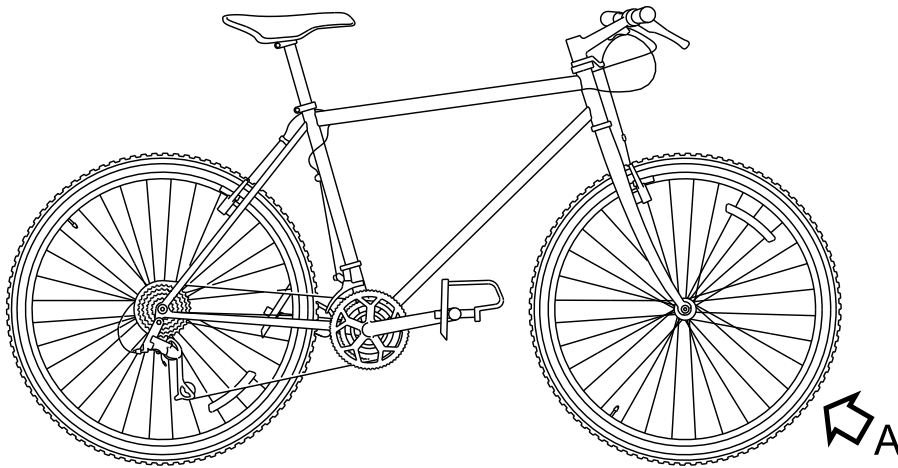
ICN-S1000DBIKE-AAA-DA01010-0-U8025-00509-A-04-1

Fig 3 Sanding the application area

S1000DBIKE-AAA-D00-00-00-00AA-663A-A

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

9   Apply a thin layer of glue from the patch kit on and around the hole. Make sure that the area with the glue is larger than the patch.

Docuneering
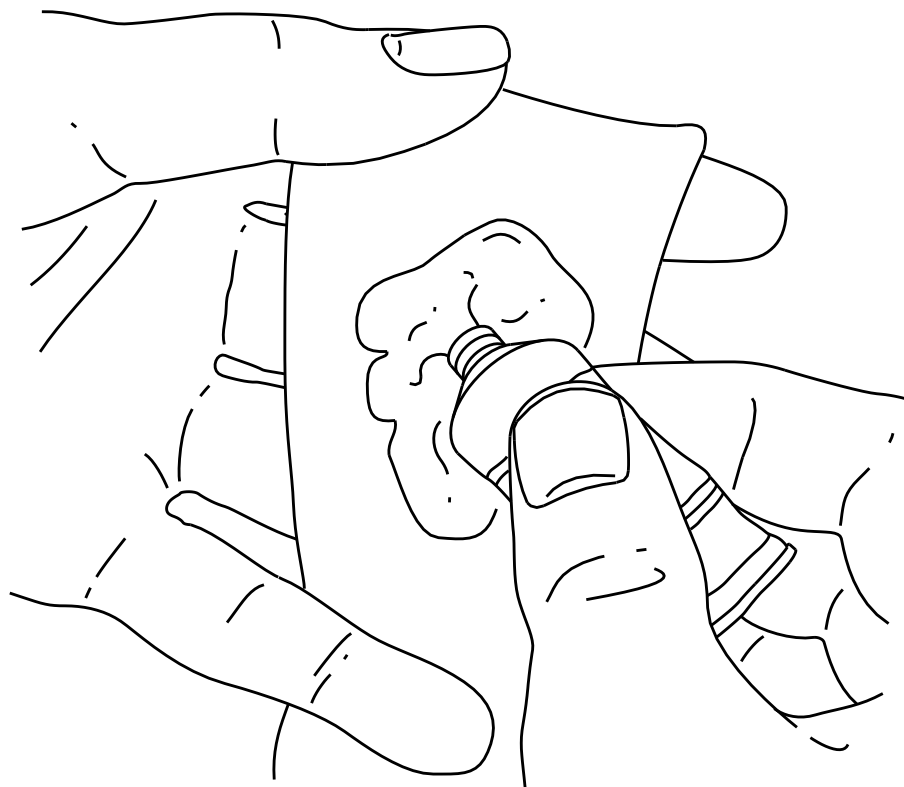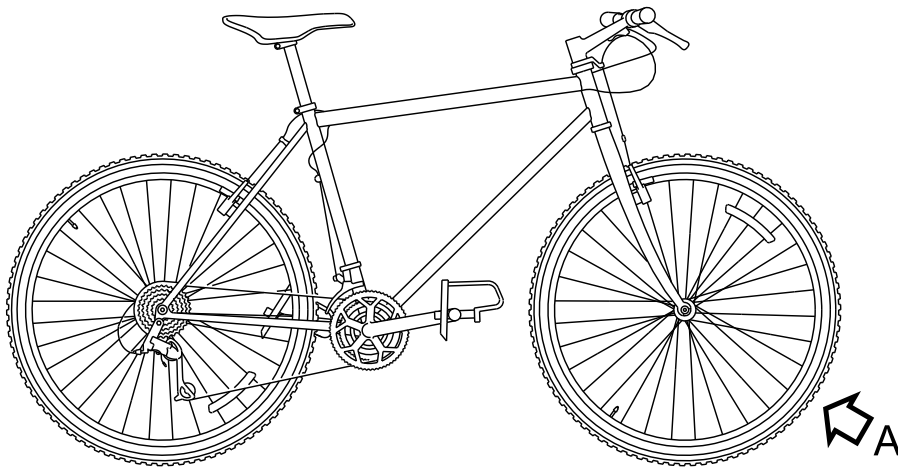
ICN-S1000DBIKE-AAA-DA01010-0-U8025-00510-A-04-1

Fig 4 Apply glue to application area

S1000DBIKE-AAA-D00-00-00-00AA-663A-A

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

10   Let the glue dry for five minutes until it becomes tacky and dim.

11   Remove the rear foil from the patch (that is a part of the patch kit) and push the patch in its position.

12   Push with your thumbs from the center of the patch to the outer part of the applied area.

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

S1000DBIKE-AAA-D00-00-00-00AA-663A-A

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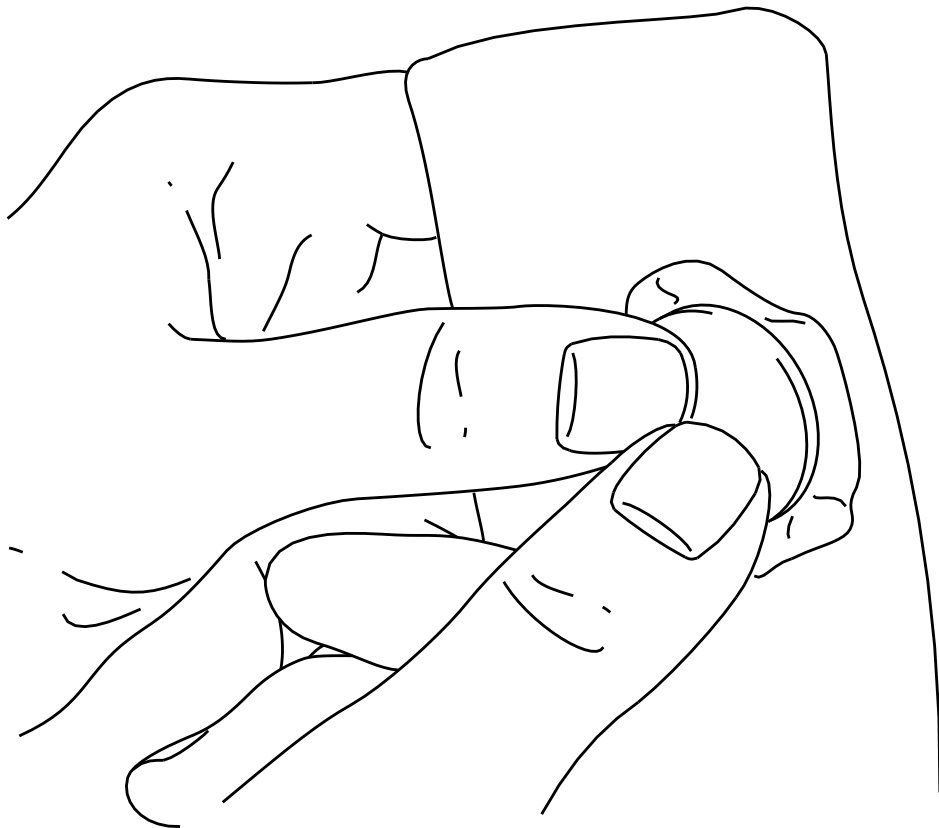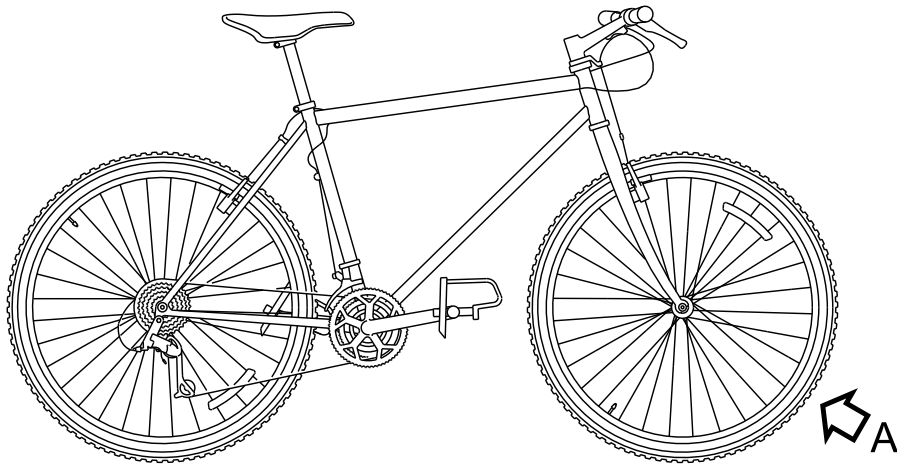
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Fig 5 Apply pressure to tube

S1000DBIKE-AAA-D00-00-00-00AA-663A-A

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

13	Remove the thin cover from the patch.
14	Put a very thin layer of talcum powder on and around the patch.
15	Inflate (not fully) the repaired tube with the foot pump.
16	Start at the valve stem and install the tube again between the tire and the rim.
17	Push the valve stem through the hole in the rim.
18	Make sure that the valve stem is straight.
19	Install the remaining of the tire.

Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
None	

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Printed 2021-09-27 12:56

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

S1000DBIKE-AAA-D00-00-00-00AA-663A-A
End of data module
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Docuneering

Bicycle

Performance support

This is a "learning" Data Module

**The Docuneering S1000D XSL-FO Stylesheets
do not yet support the "learning" Data Module**

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Docuneering

Bicycle

Illustrated Parts Data - IPD

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References

Table 1 References

Data module / Technical publication	Title
None	

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

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ICN-S1000DBIKE-AAA-D000000-0-U8025-00536-B-04-1

Fig 1 Bicycle

S1000DBIKE-AAA-D00-00-00-01AA-941A-D

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

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Docuneering

Initial provisioning project information

IPP number: KZ9990001
IPP subject: ....BICYCLE
IPP file identifier: ....s

Fig	Item	Units per assembly /Unit of issue	CAGE	Part No. NATO Stock No.	Description	* Usable on code assy • MV/Effect	ICY
1/A							
	0	REF	KZ999	BICYCLE-001	Bicycle	• MB	
	1	1 EA	KZ999	BICYCLE-001/1	• Frame assembly	• MB	
	2	1 EA	KZ999	BICYCLE-001/2A	• • Seat, assembly	• MB	
	2	1 EA	KZ999	BICYCLE-001/2B	• • Cruiser Seat, assembly	• MB	
	3	1 EA	KZ999	BICYCLE-001/3	• • Steering system	• MB	
	4	1 EA	KZ999	BICYCLE-001/4	• • Drive train system	• MB	
	5	1 EA	KZ999	BICYCLE-001/5	• • Brake sub-system	• MB	
	6	1 EA	KZ777	LRU1001	• • Light system	• MB	
	7	1 EA	KZ888	WH-001	• • Wheel, assembly rear	• MB	
	8	1 EA	KZ888	WH-002	• • Wheel, assembly front	• MB	
	9	1 EA	KZ888	CP-001	• • Computer	• MB	

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Docuneering

Fork

Manual test

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References

Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Required persons

Table 3 Required persons

Persons	Category	Skill level	Trade/Trade code	Estimated time
Man A	Basic user		Operator	0,1 h

S1000DBIKE-AAA-D00-00-01-00AA-341A-A

Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
None			

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Procedure

Applicable to: *Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)*
1   Climb on the bicycle.

Applicable to: *Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)*
2   Turn right and left several times.

Applicable to: *Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)*
3   Ride forward the bicycle.

Applicable to: *Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)*
4   Make sure that the wheels are stable.

Applicable to: *Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)*
5   Push in the fork.

Applicable to: *Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)*
6   Make sure that no oil or air is leaking out the fork.

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

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Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
None	

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Docuneering

Fork

Remove procedures

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References

Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Required persons

Table 3 Required persons

Persons	Category	Skill level	Trade/Trade code	Estimated time
As required				

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

S1000DBIKE-AAA-D00-00-01-00AA-520A-A

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Required technical information

Table 4 Required technical information

Category	Data module / Technical publication
Data module	S1000DBIKE-AAA-DA2-10-00-00AA-520A-A
Data module	S1000DBIKE-AAA-DA2-30-00-00AA-520A-A

Support equipment

Table 5 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
None			

Consumables, materials and expendables

Table 6 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 7 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Procedure

Applicable to: *Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)*
1   Remove the stem, refer to: S1000DBIKE-AAA-DA2-10-00-00AA-520A-A

Applicable to: *Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)*
2   Remove the headset, refer to: S1000DBIKE-AAA-DA2-30-00-00AA-520A-A

Applicable to: *Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)*
3   Push the fork downwards to remove it from the frame

Applicable to: *Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)*
4   Put the frame on the floor

Requirements after job completion

Required conditions

Table 8 Required conditions

Action / Condition	Data module / Technical publication
None	

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

S1000DBIKE-AAA-D00-00-01-00AA-520A-A
End of data module
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Fork

Install procedures

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References

Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Required persons

Table 3 Required persons

Persons	Category	Skill level	Trade/Trade code	Estimated time
As required				

Applicable to: Mountain bicycle
and Mountain storm Mk1

S1000DBIKE-AAA-D00-00-01-00AA-720A-A

Required technical information

Table 4 Required technical information

Category	Data module / Technical publication
Data module	S1000DBIKE-AAA-DA2-10-00-00AA-720A-A
Data module	S1000DBIKE-AAA-DA2-30-00-00AA-720A-A
Data module	S1000DBIKE-AAA-DA2-40-00-00AA-720A-A

Support equipment

Table 5 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
None			

Consumables, materials and expendables

Table 6 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
General grease	MFR: KZ222 /PN: LL-005	As required	

Spares

Table 7 Spares

Name	Manufacturer / Part No.	Quantity	Remark
Applicable to: Mountain bicycle and Mountain storm Mk1			
Fork set	MFR: KZ666 /PN: SPA-1000-1	1 EA	Material set
- Fork	MFR: KZ666 /PN: FK-TEL1001	1 EA	

Safety conditions

None

Procedure

Applicable to: Mountain bicycle and Mountain storm Mk1
1   Apply grease (General grease) on the headset

Applicable to: Mountain bicycle and Mountain storm Mk1
2   Install the headset, refer to: S1000DBIKE-AAA-DA2-30-00-00AA-720A-A

Applicable to: Mountain bicycle and Mountain storm Mk1
3   To install the spacers, refer to: S1000DBIKE-AAA-DA2-40-00-00AA-720A-A

Applicable to: Mountain bicycle and Mountain storm Mk1
4   Install the stem, refer to: S1000DBIKE-AAA-DA2-10-00-00AA-720A-A

Applicable to: Mountain bicycle and Mountain storm Mk1
5   Install the fork (Fork)

Requirements after job completion

Required conditions

Table 8 Required conditions

Action / Condition	Data module / Technical publication
None	

Applicable to: Mountain bicycle
and Mountain storm Mk1

S1000DBIKE-AAA-D00-00-01-00AA-720A-A
End of data module
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Bicycle

Service Bulletin - Replacement of standard forward fork by telescopic fork

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References

Table 1 References

Data module / Technical publication	Title
None	

Service bulletin

Management information

Compliance category:.. Optional
Task type:.. Modification

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

S1000DBIKE-AAA-D00-00-01-00AA-930A-A

Table 2 List of product modifications

Ident	Class	Description	Applicability
A2001	Major	Installation of telescopic fork with 140mm clearance	Mountain bicycle and Mountain storm Mk1
A2002	Major	Installation of telescopic fork with 100mm clearance	Mountain bicycle and Brook trekker Mk9

Table 3 List of impacts

No.	Type	Quantity	Description	Applicability
1	Weight	+0.8 kg +1.76 lbm		Mountain bicycle and Mountain storm Mk1
2	Weight	+0.5 kg +1.1 lbm		Mountain bicycle and Brook trekker Mk9

List of concurrent service bulletins:............................ No Info

Table 4 Accomplishment limit

No.	Time compliance	References	Applicability
1	Basic limit Limit: Perform once Grace period Limit: Perform periodically		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

Table 5 Time assessment

Duration	Estimated time	Condition	References	Applicability
1.5 h	1.5 h	S1000DBIKE-AAA-D00-00-01-00AA-933A-A		Mountain bicycle and Mountain storm Mk1
1 h	1 h	S1000DBIKE-AAA-D00-00-01-00AA-933A-A		Mountain bicycle and Brook trekker Mk9

Original issue date:.. 2011-03-31
Service bulletin approval:... S1000D-020AA

Table 6 Service bulletin approved data modules

Data module / Technical publication	Title
Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)	
S1000DBIKE-AAA-D00-00-01-00AA-933A-A	
Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)	
S1000DBIKE-AAA-DA0-30-00-00AA-520A-A	
Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)	
S1000DBIKE-AAA-DA1-20-00-00AA-520A-A	
Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)	
S1000DBIKE-AAA-D00-00-01-00AA-520A-A	
Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)	
S1000DBIKE-AAA-D00-00-01-00AA-93AA-A	
Applicable to: Mountain bicycle and Mountain storm Mk1	
S1000DBIKE-AAA-D00-00-01-00AA-720A-A	
Applicable to: Mountain bicycle and Mountain storm Mk1	
S1000DBIKE-AAA-DA2-40-00-00AA-720A-A	
Applicable to: Mountain bicycle and Brook trekker Mk9	
S1000DBIKE-AAA-D00-00-01-00AB-720A-A	
Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)	
S1000DBIKE-AAA-DA1-20-00-00AA-720A-A	
Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)	
S1000DBIKE-AAA-DA0-30-00-00AA-720A-A	
Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)	
S1000DBIKE-AAA-D00-00-01-00AA-341A-A	

Table 7 List of generic properties

Type	Applicable	Applicability
Passenger comfort affected	Applicable: Yes	
Structural life extension	Applicable: Yes	
Product operation affected	Applicable: Yes	

Revision information

Revision history

This document is the first issue of the Service Bulletin

Revision sequence

Original Issue date 2011-03-31

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

S1000DBIKE-AAA-D00-00-01-00AA-930A-A

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Summary

Reason

A lot of customers asked for the improvement of the front hanging in order to use the bike in more severe conditions.

Description

Replacement of the fork

Compliance

Compliance: Optional

Applicability

Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
This Service Bulletin is applicable to bikes manufactured between 01/05/2001 and 30/09/2009

Applicable to: Mountain bicycle and Mountain storm Mk1
Configuration no. 1 covers mountain bicycle Mountain storm version Mk1

Applicable to: Mountain bicycle and Brook trekker Mk9
Configuration no. 2 covers mountain bicycle Brook trekker version Mk9

Concurrent Requirements

No Info

Manpower

Applicable to: Mountain bicycle and Mountain storm Mk1

S1000DBIKE-AAA-D00-00-01-00AA-933A-A	
Total workload	1.5 h
Estimated time	1.5 h

Applicable to: Mountain bicycle and Brook trekker Mk9

S1000DBIKE-AAA-D00-00-01-00AA-933A-A	
Total workload	1 h
Estimated time	1 h

Industry Support Information

For any issue with the fork assembly, please contact your local retailer.

S1000DBIKE-AAA-D00-00-01-00AA-930A-A

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

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The UK MoD Company only provides assistance via its network of retailers.

General evaluation

EVALUATION TABLE	
Passenger comfort affected	Yes
Structural life extended	Yes
Bike operation affected	Yes

Planning information

Applicability

Applicable to: *Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)*
This Service Bulletin is applicable to bikes manufactured between 01/05/2001 and 30/09/2009

Applicable to: *Mountain bicycle and Mountain storm Mk1*
The S/N of the impacted bikes are : CAGE: U8025 [PN: 1B070701]

Applicable to: *Mountain bicycle and Brook trekker Mk9*
The S/N of the impacted bikes are : CAGE: U8025 [PN: 1B070643] CAGE: U8025 [PN: 1B070644]

Applicable to: *Mountain bicycle and Mountain storm Mk1*
Configuration no. 1 covers mountain bicycle Mountain storm version Mk1

Applicable to: *Mountain bicycle and Brook trekker Mk9*
Configuration no. 2 covers mountain bicycle Brook trekker version Mk9

Concurrent Requirements

No Info

Reason

1	Objective :
1.1	Improvement of the bike's front hanging.
2	Problem and effect :
2.1	A lot of customers would like to use the bike in more severe conditions.
3	Solution :
3.1	Replacement of the fork.

Description

1   Replacement of the original fork

Applicable to: *Mountain bicycle and Mountain storm Mk1*

1.1   by telescopic fork with a 140 mm clearance

Applicable to: *Mountain bicycle and Brook trekker Mk9*

1.2   by telescopic fork with a 100 mm clearance

Compliance

1   **Compliance**

Compliance: Optional

2   The modification should be made in accordance with the customer's availability, but within the following limits (before marked wear of the frame)

Table 8 Accomplishment time scale

Limit	Grace period

Basic limit
   Limit:
   Perform once
	Grace period
	   Limit:
	   Perform periodically

Approval

This modification has been approved and certified in conformity with the requirements of the S1000D community.

Approval No. S1000D-020AA.

Manpower

Applicable to: *Mountain bicycle and Mountain storm Mk1*

S1000DBIKE-AAA-D00-00-01-00AA-933A-A	
Job Set-up	5 min
Removal	20 min
Install	60 min
Testing	5 min
Total workload	1.5 h
Estimated time	1.5 h

Applicable to: *Mountain bicycle and Brook trekker Mk9*

S1000DBIKE-AAA-D00-00-01-00AA-933A-A	
Job Set-up	5 min

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(Continued)

S1000DBIKE-AAA-D00-00-01-00AA-933A-A

Removal	20 min
Install	30 min
Testing	5 min
Total workload	1 h
Estimated time	1 h

Weight and Balance

Applicable to: Mountain bicycle and Mountain storm Mk1

Effect on weight	Impact 1

Applicable to: Mountain bicycle and Brook trekker Mk9

Effect on weight	Impact 2

Electrical Load Data

No Info

Software Accomplishment Summary

No Info

Referenced Documentation

Removal of the headset S1000DBIKE-AAA-DA2-30-00-00AA-520A-A

Install of the headset S1000DBIKE-AAA-DA2-30-00-00AA-720A-A

Removal of the stem S1000DBIKE-AAA-DA2-10-00-00AA-520A-A

Install of the stem S1000DBIKE-AAA-DA2-10-00-00AA-720A-A

Testing of the brakes BRAKE-AAA-DA1-00-00-00AA-341A-A

Documentation Affected

IPD S1000DBIKE-AAA-D00-00-00-01AA-941A-D

Industry Support Information

For any issue with the fork assembly, please contact your local retailer.

The UK MoD Company only provides assistance via its network of retailers.

Material information

List of material sets

Applicable to: *Mountain bicycle and Mountain storm Mk1*

1   Material description:

          Material set reference:.............................. Saw tool set
          Quantity:... 1 EA

          Material description:

          Material set reference:.............................. Supplies

          Material description:

          Material set reference:.............................. Fork set
          Quantity:... 1 EA

          Material description:

          Material set reference:.............................. Removed spare set

          Material description:

          Material set reference:.............................. Modified spare

Applicable to: *Mountain bicycle and Brook trekker Mk9*

2   Material description:

          Material set reference:.............................. Saw tool set
          Quantity:... 1 EA

          Material description:

          Material set reference:.............................. Supplies

          Material description:

          Material set reference:.............................. Fork
          Quantity:... 1 EA

          Material description:

          Material set reference:.............................. Removed spare set

          Material description:

          Material set reference:.............................. Modified spare

List of support equipment

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

1   **Support equipment set**

          Material ident:... BSK-TLST-200
          Material type:.. Set of material or individual material specific to
          the Service Bulletin
          Material issue:.. 001
          Material is procurable:....................................... Yes
          Supplier:... Manufacturer
          Name:.. Saw tool set

          Individual support equipment

          Material type:.. Set of material or individual material specific to
          the Service Bulletin
          Embedded support equipment description:....... Saw tool /MFR: KZ666 /PN: BSK-TW-100 /
          QTY: 1 EA

          Individual support equipment

S1000DBIKE-AAA-D00-00-01-00AA-930A-A   Applicable to: Mountain bicycle
and (Mountain storm Mk1 or
Brook trekker Mk9)

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Material type:...	Set of material or individual material specific to the Service Bulletin
Embedded support equipment description:.......	Threading tool /MFR: KZ666 /PN: BSK-THR-3001 /QTY: 1 EA

List of supplies

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

1   Individual supply

Material type:...	Set of material or individual material not specially built for the Service Bulletin
Material is procurable:.....................................	Yes
Supplier:...	Any
Embedded supply description:..........................	General grease /MFR: KZ222 /PN: LL-005 / QTY: As required

List of spares

Applicable to: Mountain bicycle and Mountain storm Mk1

1   Spare set

Material ident:...	SPA-1000-1
Material type:...	Set of material or individual material specific to the Service Bulletin
Material issue:..	001
Material is procurable:.....................................	Yes
Supplier:...	Manufacturer
Name:...	Fork set
Procurement data:	
Price information:....................................	150 USD
Availability:...	3 d
	after purchase order reception
Procurement address:.............................	KZ666

Individual spare

Material type:...	Set of material or individual material not specially built for the Service Bulletin
Embedded spare description:...........................	Fork /MFR: KZ666 /PN: FK-TEL1001 / QTY: 1 EA

Individual spare

Material type:...	Set of material or individual material not specially built for the Service Bulletin
Embedded spare description:...........................	Spacer /MFR: KZ666 /PN: SPC-200-12 / QTY: 2 EA

Applicable to: Mountain bicycle and Brook trekker Mk9

2   Individual spare

Material ident:...	FK-TEL1002
Material type:...	Set of material or individual material specific to the Service Bulletin
Material issue:..	001
Material is procurable:.....................................	Yes

Supplier:... Manufacturer

Embedded spare description:............................ Fork /MFR: KZ666 /PN: FK-TEL1002 / QTY: 1 EA

Procurement data:

    Price information:..................................... 100 USD

    Availability:... 3 d

        after purchase order reception

    Procurement address:............................. KZ666

List of removed spares

Applicable to: Mountain bicycle and Mountain storm Mk1

1   **Removed spare set**

    Name:.. Removed spare set

    Individual removed spare

    Removed spare description:............................. Discarded

        Fork /MFR: KZ666 /PN: FK-1000

    Interchangeability

    Replacement part

        Replaced by (02):................................... Part No.: FK-TEL1001

    Individual removed spare

    Removed spare description:............................. Discarded

        Conical expansion washer Part No.: St-001-05

Applicable to: Mountain bicycle and Brook trekker Mk9

2   **Removed spare set**

    Name:.. Removed spare set

    Individual removed spare

    Removed spare description:............................. Discarded

        Fork /MFR: KZ666 /PN: FK-1000

    Interchangeability

    Replacement part

        Replaced by (02):................................... Part No.: FK-TEL1002

    Individual removed spare

    Removed spare description:............................. Discarded

        Conical expansion washer Part No.: St-001-05

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

3   **Individual removed spare**

    Material type:...................................... Set of re-identified material

    Removed spare description:............................. Modified to

        Wheel axis Part No.: BSK-AXS-2000

    Interchangeability

    Replacement part

        Altered to part:... Part No.: BSK-AXS-2001

Accomplishment instructions

Table 18 Accomplishment instructions

Data module / Technical publication	Title
S1000DBIKE-AAA-D00-00-01-00AA-933A-A	

Additional information

No Info

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

S1000DBIKE-AAA-D00-00-01-00AA-930A-A
End of data module
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Docuneering

Fork

Replacement procedure

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References

Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Applicable to: Mountain bicycle and Mountain storm Mk1
Production maintenance data

Maintenance task duration

Preliminary requirements	0 h
Procedure	1,5 h
Requirements after job completion	0 h

Applicable to: Mountain bicycle and Brook trekker Mk9
Production maintenance data

Maintenance task duration

Preliminary requirements	0 h
Procedure	1 h
Requirements after job completion	0 h

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

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Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Required technical information

Table 3 Required technical information

Category	Data module / Technical publication
Data module	S1000DBIKE-AAA-DA0-30-00-00AA-520A-A
Data module	S1000DBIKE-AAA-DA1-20-00-00AA-520A-A
Data module	S1000DBIKE-AAA-D00-00-01-00AA-520A-A
Data module	S1000DBIKE-AAA-D00-00-01-00AA-93AA-A
Data module	S1000DBIKE-AAA-D00-00-01-00AA-720A-A
Data module	S1000DBIKE-AAA-D00-00-01-00AB-720A-A
Data module	S1000DBIKE-AAA-DA1-20-00-00AA-720A-A
Data module	S1000DBIKE-AAA-DA0-30-00-00AA-720A-A
Data module	S1000DBIKE-AAA-D00-00-01-00AA-341A-A
Data module	BRAKE-AAA-DA1-00-00-00AA-341A-A

Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)			
	BSK-TLST-200	1 EA	

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)			
General grease	MFR: KZ222 /PN: LL-005	As required	

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Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
Applicable to: Mountain bicycle and Mountain storm Mk1			
Fork set	SPA-1000-1	1 EA	
Applicable to: Mountain bicycle and Brook trekker Mk9			
Fork	FK-TEL1002	1 EA	

Safety conditions

None

Procedure

1 PREPARATION

Applicable to: *Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)*
1.1   Remove the front wheel, refer to: S1000DBIKE-AAA-DA0-30-00-00AA-520A-A

Applicable to: *Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)*
1.2   Remove the front brakes, refer to: S1000DBIKE-AAA-DA1-20-00-00AA-520A-A

2 PROCEDURE

Applicable to: *Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)*
2.1   Remove the fork, refer to: S1000DBIKE-AAA-D00-00-01-00AA-520A-A

Applicable to: *Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)*
2.2   Change the bike axis, refer to: S1000DBIKE-AAA-D00-00-01-00AA-93AA-A

Applicable to: *Mountain bicycle and Mountain storm Mk1*
2.3   Install the new fork, refer to: S1000DBIKE-AAA-D00-00-01-00AA-720A-A

Applicable to: *Mountain bicycle and Brook trekker Mk9*
2.3   Install the new fork, refer to: S1000DBIKE-AAA-D00-00-01-00AB-720A-A

Applicable to: *Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)*
2.4   Install the front brakes, refer to: S1000DBIKE-AAA-DA1-20-00-00AA-720A-A

Applicable to: *Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)*
2.5   Install the front wheel, refer to: S1000DBIKE-AAA-DA0-30-00-00AA-720A-A

3 TEST

Applicable to: *Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)*
3.1   Test that the fork is properly installed, refer to: S1000DBIKE-AAA-D00-00-01-00AA-341A-A

Applicable to: *Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)*
3.2   Front brakes test, refer to: BRAKE-AAA-DA1-00-00-00AA-341A-A

Requirements after job completion

Required conditions

Table 7 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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Bicycle axis

Modification procedures

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List of tables

References

Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Support equipment

Table 3 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
Applicable to: *Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)*			
Saw tool set	BSK-TLST-200	1 EA	Material set

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

S1000DBIKE-AAA-D00-00-01-00AA-93AA-A

Table 3 Support equipment (Continued)

Name	Manufacturer / Part No.	Quantity	Remark
- Saw tool	MFR: KZ666 /PN: BSK-TW-100	1 EA	
- Threading tool	MFR: KZ666 /PN: BSK-THR-3001	1 EA	

Consumables, materials and expendables

Table 4 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 5 Spares

Name	Manufacturer / Part No.	Quantity	Remark
Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)			
Wheel axis	MFR: KZ666 /PN: BSK-AXS-2001	1 EA	Modified from
- Wheel axis	MFR: KZ666 /PN: BSK-AXS-2000	1 EA	

Safety conditions

None

Procedure

Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
1   Use the (Saw tool) to saw the (Wheel axis)

Use the (Threading tool) when the saw is unbended

Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
2   Put the frame on the floor

Requirements after job completion

Required conditions

Table 6 Required conditions

Action / Condition	Data module / Technical publication
None	

Docuneering

Fork

Install procedures

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Page

List of tables

References

Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Required persons

Table 3 Required persons

Persons	Category	Skill level	Trade/Trade code	Estimated time
As required				

Applicable to: Mountain bicycle
and Brook trekker Mk9

S1000DBIKE-AAA-D00-00-01-00AB-720A-A

Required technical information

Table 4 Required technical information

Category	Data module / Technical publication
Data module	S1000DBIKE-AAA-DA2-10-00-00AA-720A-A
Data module	S1000DBIKE-AAA-DA2-30-00-00AA-720A-A

Support equipment

Table 5 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
None			

Consumables, materials and expendables

Table 6 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
General grease	MFR: KZ222 /PN: LL-005	As required	

Spares

Table 7 Spares

Name	Manufacturer / Part No.	Quantity	Remark
Applicable to: Mountain bicycle and Brook trekker Mk9			
Fork	FK-TEL1002	1 EA	

Safety conditions

None

Procedure

Applicable to: Mountain bicycle and Brook trekker Mk9
1   Apply grease (General grease) on the headset

Applicable to: Mountain bicycle and Brook trekker Mk9
2   Install the headset, refer to: S1000DBIKE-AAA-DA2-30-00-00AA-720A-A

Applicable to: Mountain bicycle and Brook trekker Mk9
3   Install the stem, refer to: S1000DBIKE-AAA-DA2-10-00-00AA-720A-A

S1000DBIKE-AAA-D00-00-01-00AB-720A-A

Applicable to: Mountain bicycle
and Brook trekker Mk9

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Applicable to: Mountain bicycle and Brook trekker Mk9
4   Install the fork (Fork)

Requirements after job completion

Required conditions

Table 8 Required conditions

Action / Condition	Data module / Technical publication
None	

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Bicycle

Time limits

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List of tables

References

Table 1   References

Data module / Technical publication	Title
None	

Time limits

Ident	Equipment	Qty	Time limits	Applicability
001	Bicycle MFR: KZ555 /PN: Bicycle-001	1 EA	Type: Functional check 1 Day ± 1 Type: On condition 1 Day	Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
002	Brake pads MFR: KT444 /PN: BR-PADS-001	4 EA	Category: Cat 1 Type: On condition 1 Month	Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
003	Chain MFR: KZ555 /PN: Ch-001		Type: On condition 1 Month	Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
004	Hub bearings MFR: KZ555 /PN: HB-001	2 EA	Category: Cat 1 Type: Check maintenance 6 Month ± 1	Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

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Bicycle

Scheduled maintenance lists

List of tasks

Task ident	Description
001	To do the pre-ride checks
002	To do the post-ride maintenance
003	Clean brake pads
004	Clean the chain
005	Clean the hub bearings

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List of tables

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

S1000DBIKE-AAA-D05-20-00-00AA-000A-A

List of tables (Continued)

References

Table 1 References

Data module / Technical publication	Title
S1000DBIKE-AAA-D00-00-00-00AA-121A-A	Bicycle – Pre-operation procedures (crew)
S1000DBIKE-AAA-D00-00-00-00AA-151A-A	Bicycle – Post-operation procedures (crew)
S1000DBIKE-AAA-DA1-10-00-00AA-251A-A	Brake pads – Clean with rubbing alcohol
S1000DBIKE-AAA-DA4-10-00-00AA-251B-A	Chain – Clean with chain cleaning fluid
S1000DBIKE-AAA-DA0-20-00-00AA-520A-A	Rear wheel – Remove procedures

Task ident: 001

Task code:..	General visual inspection (GVI)
Worthiness limitation:.........................	Recommended
Reduced maintenance:........................	No
Skill type:...	Airframe (AIRPL)
Task description:................................	To do the pre-ride checks

Requirement source

Source of requirement:.......................	MRB
Approval:..	ap01

Source type

Code:..	stc51
Source criticality:...............................	sc55

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

S1000DBIKE-AAA-D05-20-00-00AA-000A-A

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

References

S1000DBIKE-AAA-D00-00-00-00AA-121A-A

Equipment

- Bicycle
  MFR: KZ555 /PN: Bicycle-001

Limit

    Perform once

    Interval: 1 Day ± 1

    Inspection type: Daily

S1000DBIKE-AAA-D05-20-00-00AA-000A-A

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

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Task ident: 002

Worthiness limitation:.. Recommended
Reduced maintenance:..................................... No
Task description:.. To do the post-ride maintenance

Preliminary requirements

Required conditions

Table 7   Required conditions

Action / Condition	Data module / Technical publication
None	

Required persons

Table 8   Required persons

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

Support equipment

Table 9   Support equipment

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

Consumables, materials and expendables

Table 10   Consumables, materials and expendables

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

Spares

Table 11   Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

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

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Safety conditions

None

References

S1000DBIKE-AAA-D00-00-00-00AA-151A-A

Equipment

- Bicycle
  MFR: KZ555 /PN: Bicycle-001

Limit

On condition

Condition: Dirty

1 Day ± 1
Inspection type: Daily

S1000DBIKE-AAA-D05-20-00-00AA-000A-A

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

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Task ident: 003

Worthiness limitation:.. Recommended
Reduced maintenance:....................................... Yes
Task description:.. Clean brake pads

Preliminary requirements

Required conditions

Table 12 Required conditions

Action / Condition	Data module / Technical publication
None	

Required persons

Table 13 Required persons

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

Support equipment

Table 14 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
None			

Consumables, materials and expendables

Table 15 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
Rubbing alcohol	MFR: KZ222 /PN: LL-002	As required	

Spares

Table 16 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

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

S1000DBIKE-AAA-D05-20-00-00AA-000A-A

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Safety conditions

None

References

S1000DBIKE-AAA-DA1-10-00-00AA-251A-A

Equipment

- Brake pads
  MFR: KT444 /PN: BR-PADS-001

Limit

Perform periodically

Inspection type: Monthly

Limit range:
  from: 1 Month
  to: 1 Month

S1000DBIKE-AAA-D05-20-00-00AA-000A-A

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

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Task ident: 004

Worthiness limitation:.. Recommended
Reduced maintenance:...................................... Yes
Task description:.. Clean the chain

Preliminary requirements

Required conditions

Table 17 Required conditions

Action / Condition	Data module / Technical publication
None	

Required persons

Table 18 Required persons

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

Support equipment

Table 19 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
Stiff bristle brush	MFR: KZ666 /PN: BSK-TLST-001-02	1 EA	
Chain cleaning fluid	MFR: KZ222 /PN: LL-003	As required	
Chain cleaning tool	MFR: KZ666 /PN: BSK-TLST-001-03	1 EA	

Consumables, materials and expendables

Table 20 Consumables, materials and expendables

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

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

S1000DBIKE-AAA-D05-20-00-00AA-000A-A

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Spares

Table 21 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

References

S1000DBIKE-AAA-DA4-10-00-00AA-251B-A

S1000DBIKE-AAA-D00-00-00-00AA-121A-A

Equipment

- Chain
  MFR: KZ555 /PN: Ch-001

Limit

Perform periodically

Condition: Dirty

1 Month
Inspection type: Monthly

Trigger event
S1000DBIKE-AAA-D00-00-00-00AA-121A-A

S1000DBIKE-AAA-D05-20-00-00AA-000A-A

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

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Task ident: 005

Worthiness limitation:... Recommended
Reduced maintenance:...................................... No
Task description:... Clean the hub bearings

Requirement source

Source of requirement:..................................... MRB
Reference:... D6-1234

Source type
Code:.. stc52
Source criticality:.. sc59

Preliminary requirements

Required conditions

Table 22 Required conditions

Action / Condition	Data module / Technical publication
Rear wheel removed	S1000DBIKE-AAA-DA0-20-00-00AA-520A-A

Required persons

Table 23 Required persons

Persons	Category	Skill level	Trade/Trade code	Estimated time
Man B	Supervisor	Advanced	Bicycle mechanic	0,8 h
Man A	Basic user		Operator	0,3 h

Support equipment

Table 24 Support equipment

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

Consumables, materials and expendables

Table 25 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
Degreasing agent	MFR: KZ222 /PN: LL-004	As required	

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

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Table 25 Consumables, materials and expendables (Continued)

Name	Manufacturer / Part No.	Quantity	Remark
General grease	MFR: KZ222 /PN: LL-005	As required	

Spares

Table 26 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Equipment

- Hubs
  MFR: KZ555 /PN: HB-002

Supervise

Supervisor level:... Low

Limit

Perform periodically
6 Month
Inspection type: 6 Monthly
Limit range:
   from: 6 Month ± 1

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End of data module

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

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Bicycle

Scheduled maintenance checks

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References

Table 1 References

Data module / Technical publication	Title
S1000DBIKE-AAA-D00-00-00-00AA-121A-A	Bicycle – Pre-operation procedures (crew)

Inspection definitions

Limits			Applicability
No.	**Task**	**References**	
•	On condition Condition: Pre-ride 1 Week ± 1 Inspection type: Pre Limit range: from: 1 Week ± 1		
001	Inspect Brakes To do an inspection of the brakes	S1000DBIKE-AAA-D00-00-00-00AA-121A-A	
002	Inspect brakes installation To do an inspection of the brakes installation	S1000DBIKE-AAA-D00-00-00-00AA-121A-A	
003	Check Tire Pressure To do a check of the tire pressure	S1000DBIKE-AAA-D00-00-00-00AA-121A-A	
004	Inspect wheel condition To do an inspection of the wheel condition	S1000DBIKE-AAA-D00-00-00-00AA-121A-A	

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

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(Continued)

Limits			Applicability
No.	**Task**	**References**	
005	Check headset bearings	S1000DBIKE-AAA-D00-00-00-00AA-121A-A	
	To do a check of the headset bearings		
006	Carry out chain checks	S1000DBIKE-AAA-D00-00-00-00AA-121A-A	
	To do a check of the chain		

Wheel

Description of how it is made

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References

Table 1 References

Data module / Technical publication	Title
None	

Description

1   The bicycle wheel

The wheel (refer to Fig 1) of a bicycle is a complex structure. The wheel assembly has these parts:

the tire
the tube
the spokes
the spoke nipples
the valve
the hub

On their own, the individual components are not very strong. But, when they are installed together, the components make the complete wheel (refer to Fig 1). The complete wheel is resistant to almost any type of heavy loads and operation.

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

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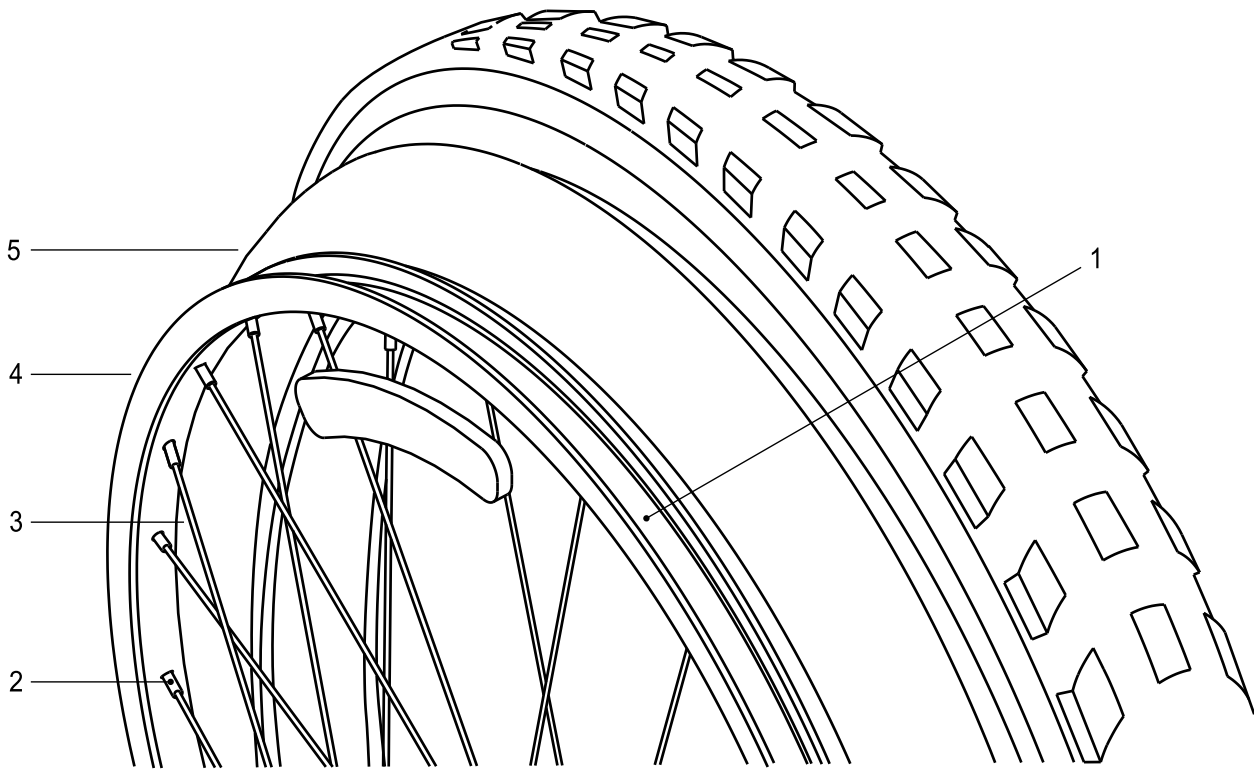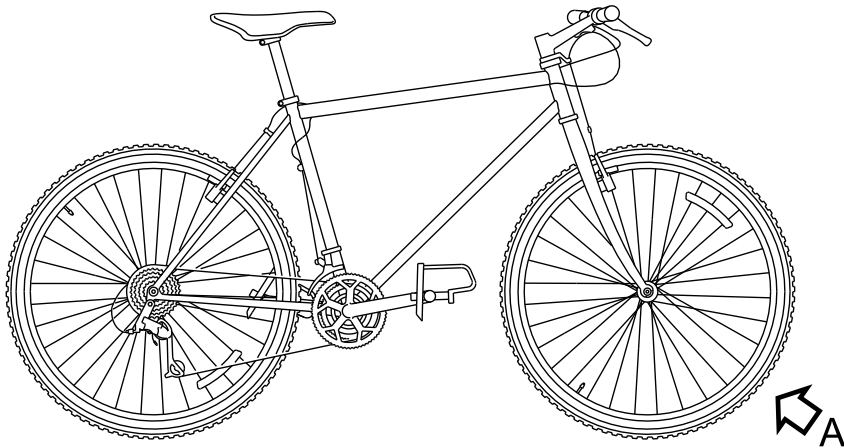
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Fig 1   Parts of the wheel

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

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1.1 Spokes

The spokes go out from the hub and go across and below each other. The spoke nipples attach the spokes to the rim with the threads on the end of the spokes. You can use the spoke nipples to adjust the tension of the spokes. The tension on each of the spokes must be equal.

1.2 Wheel rim

The rim (refer to Fig 2) of the wheel has a lining of rim tape. This tape protects the tube from damage that the rough edges on the spoke nipples can cause.

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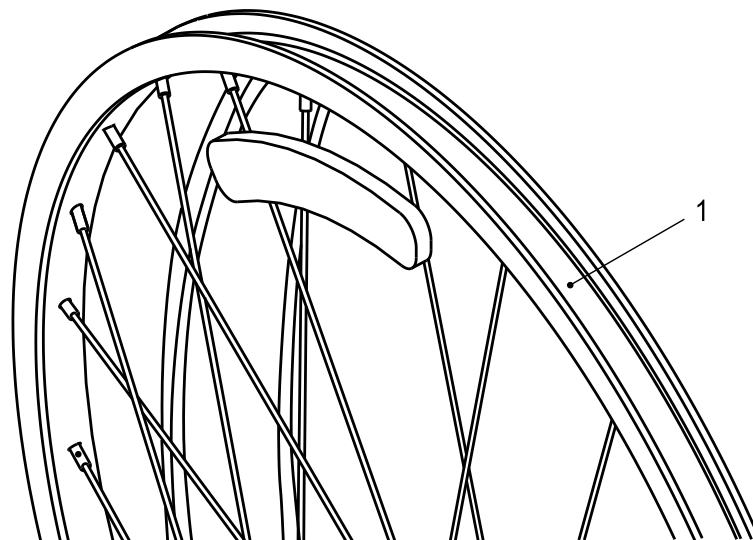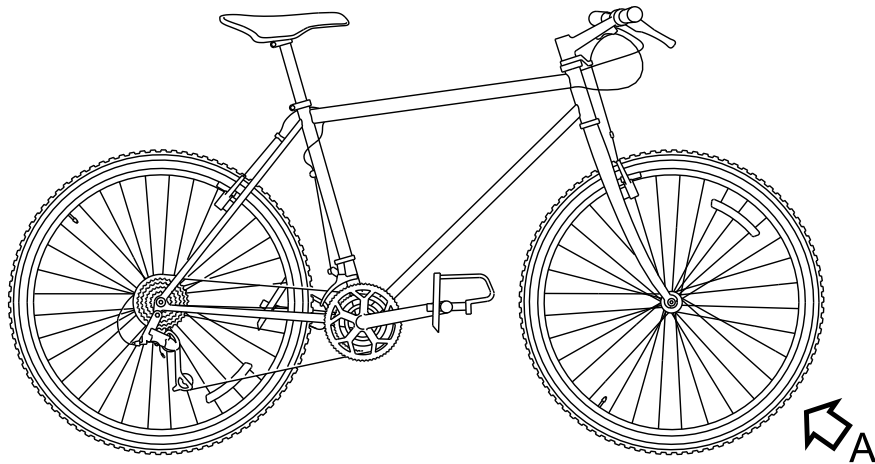
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Fig 2   The tire and rim

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

1.3   Tube and tire

The tube and the tire install on the rim. The sidewalls of the tire have markings on them. These which are used to indicate the correct direction of rotation. The markings also make sure the tire installs on the rim and that the directional arrows points in the correct direction. You install the tube into the tire before you inflate it. The tube has a valve (refer to Fig 3) which you put through the hole in the rim. This valve (refer to Fig 3) is used to inflate the tube and the tire to the correct pressure. A dust cap installs on the valve (refer to Fig 3) to prevent damage that dust and debris can cause.

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

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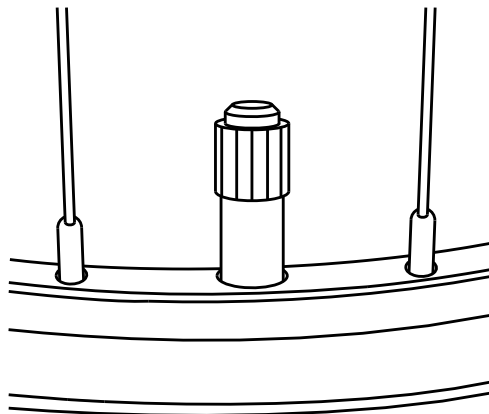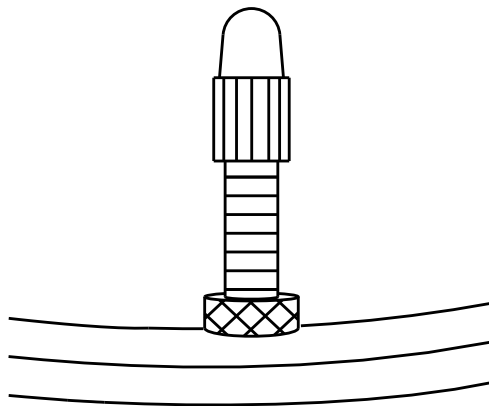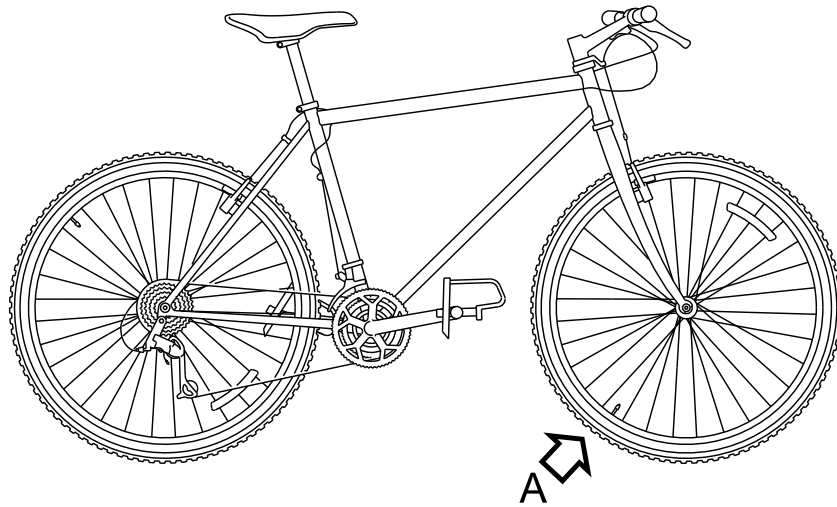
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Fig 3 Valve

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

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Wheels

Description of how it is made: Knowledge Check

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**The Docuneering S1000D XSL-FO Stylesheets
do not yet support the "learning" Data Module**

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Applicable to: All

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End of data module
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Inner tube

Remove and install a new item

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References

Table 1 References

Data module / Technical publication	Title
S1000DBIKE-AAA-DA0-10-20-00AA-215A-A	Tire – Fill with air

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
The tire is removed.	S1000DBIKE-AAA-DA0-10-20-00AA-215A-A

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

S1000DBIKE-AAA-DA0-10-10-00AA-921A-A

Docuneering

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
None			

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
Inner tube	MFR: KT222 /PN: IT-001	1 EA	

Safety conditions

CAUTION

Be careful with sharp or hard tools. They can cause damage to the inner tube.

Procedure

1   Remove the old inner-tube.

Docuneering

A

ICN-S1000DBIKE-AAA-DA00000-0-U8025-00507-A-04-1

Fig 1   Removing the inner tube

2   Install the new Inner tube.

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

S1000DBIKE-AAA-DA0-10-10-00AA-921A-A

Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
Replace the tire.	
Inflate the tire with air.	S1000DBIKE-AAA-DA0-10-20-00AA-215A-A

S1000DBIKE-AAA-DA0-10-10-00AA-921A-A

End of data module

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

Docuneering

Tire

Fill with air

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Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Required persons

Table 3 Required persons

Persons	Category	Skill level	Trade/Trade code	Estimated time
Man A	Basic user		Operator	

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

S1000DBIKE-AAA-DA0-10-20-00AA-215A-A

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Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
Specialist toolset	MFR: KZ666 /PN: BSK-TLST-001	1 EA	
Foot pump	MFR: KZ666 /PN: BSK-TLST-001-05	1 EA	
Tire pressure gauge	MFR: KZ666 /PN: BSK-TLST-001-01	1 EA	

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Procedure

1   Ensure bicycle is on the repair stand.

2   Locate the deflated tire.

3   Attach the outlet valve of the Foot pump, from the Specialist toolset, to the valve of the deflated tire.

4   Inflate the tire.

4.1   Operate the foot pump to pump air into the tire.

4.2   Check tire pressure. Refer to S1000DBIKE-AAA-DA0-10-20-00AA-362B-A

S1000DBIKE-AAA-DA0-10-20-00AA-215A-A

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

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Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
None	

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

S1000DBIKE-AAA-DA0-10-20-00AA-215A-A

End of data module

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Tire

Check pressure

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References

Table 1 References

Data module / Technical publication	Title
S1000DBIKE-AAA-DA0-10-20-00AA-215A-A	Tire – Fill with air
S1000DBIKE-AAA-DA0-10-10-00AA-921A-A	Inner tube – Remove and install a new item

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)

S1000DBIKE-AAA-DA0-10-20-00AA-362B-A

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	

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Procedure

1   Locate the valve stem of tire.

2   Use the tire pressure gauge (Tire pressure gauge) to check the tire pressure.

3   Tire pressure should between 2000 hPa to 2700 hPa.

3.1   If tire pressure is less than 2000 hPa inflate tire. Refer to S1000DBIKE-AAA-DA0-10-20-00AA-215A-A

3.2   If the tire cannot maintain pressure or the tire pressure is greater than 2700 hPa replace the inner tube. Refer to S1000DBIKE-AAA-DA0-10-10-00AA-921A-A

Docuneering

Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
None	

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

S1000DBIKE-AAA-DA0-10-20-00AA-362B-A

End of data module

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Front wheel

Fault reports and isolation procedures

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References

Table 1 References

Data module / Technical publication	Title
S1000DBIKE-AAA-DA0-10-20-00AA-215A-A	Tire – Fill with air
S1000DBIKE-AAA-DA0-10-20-00AA-921A-A	Tire – Remove and install a new item
S1000DBIKE-AAA-DA0-10-10-00AA-921A-A	Inner tube – Remove and install a new item

Fault isolation procedure

Fault code

NYCJD04

Fault description

Tire does not function correctly

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

S1000DBIKE-AAA-DA0-10-20-00AA-400A-A

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Support equipment

Table 3 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 4 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 5 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Isolation procedure

1 Use the tire pressure gauge (Tire pressure gauge) to do a check of the pressure

What is the tire pressure reading?

1.1 More than 2700 hPa Step 2

1.2 Between 100 hPa and 2700 hPa Step 3

1.3 Less than 100 hPa Step 4

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2   Deflate the tire until the pressure is 2700 hPa

Go to requirements after job completion

3   Inflate the tire as given in S1000DBIKE-AAA-DA0-10-20-00AA-215A-A

Go to requirements after job completion

4   To do a check of the tire for damage

Is there damage to the tire?

4.1   Yes: Go to Step 5

4.2   No: Go to Step 6

5   Replace the tire (refer to S1000DBIKE-AAA-DA0-10-20-00AA-921A-A)

Go to requirements after job completion

6   Replace the inner-tube (refer to S1000DBIKE-AAA-DA0-10-10-00AA-921A-A)

Go to requirements after job completion

Requirements after job completion

Required conditions

Table 6 Required conditions

Action / Condition	Data module / Technical publication
None	

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

S1000DBIKE-AAA-DA0-10-20-00AA-400A-A

End of data module

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Docuneering

Front wheel

Remove procedures: Interactive content - Procedure

This is a "learning" Data Module

**The Docuneering S1000D XSL-FO Stylesheets
do not yet support the "learning" Data Module**

Applicable to: All   S1000DBIKE-AAA-DA0-10-20-00AA-520A-T-T4JC
End of data module
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Tire

Remove and install a new item

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Table 1 References

Data module / Technical publication	Title
S1000DBIKE-AAA-DA1-00-00-00AA-341A-A	Brake system – Manual test
S1000DBIKE-AAA-DA0-10-20-00AA-215A-A	Tire – Fill with air

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)

S1000DBIKE-AAA-DA0-10-20-00AA-921A-A

Required persons

<p align="center">*Table 3 Required persons*</p>

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

Support equipment

<p align="center">*Table 4 Support equipment*</p>

Name	Manufacturer / Part No.	Quantity	Remark
Specialist toolset	MFR: KZ666 /PN: BSK-TLST-001	1 EA	
Tire lever	MFR: KZ666 /PN: BSK-TLST-001-04	1 EA	
Tire pressure guage	MFR: KZ666 /PN: BSK-TLST-001-01	1 EA	

Consumables, materials and expendables

<p align="center">*Table 5 Consumables, materials and expendables*</p>

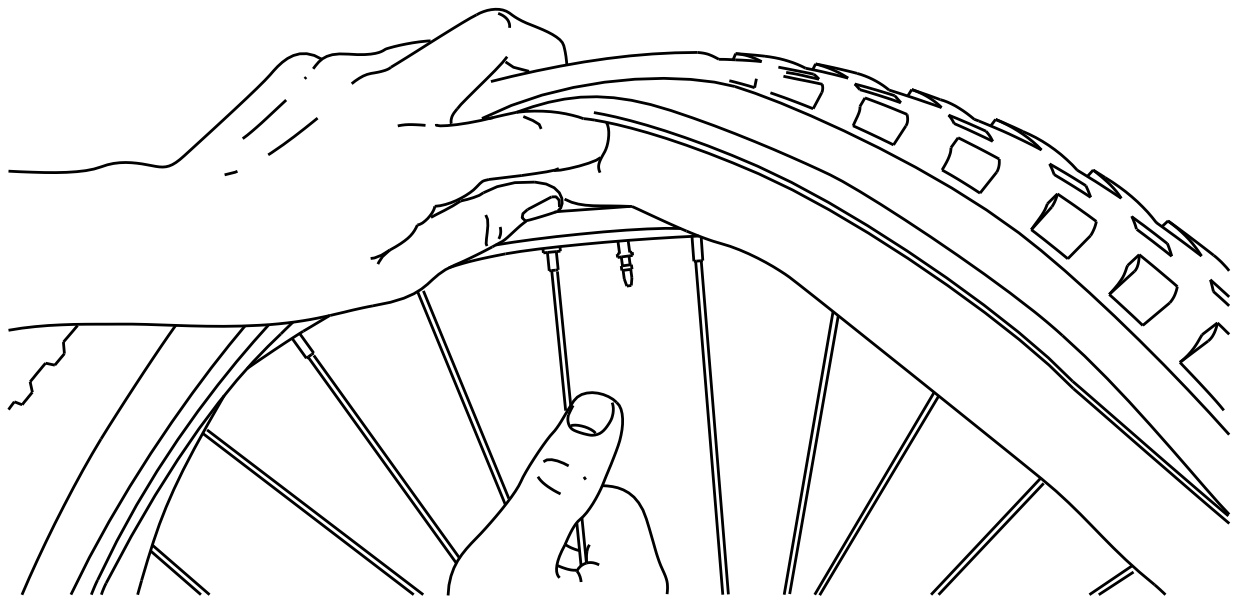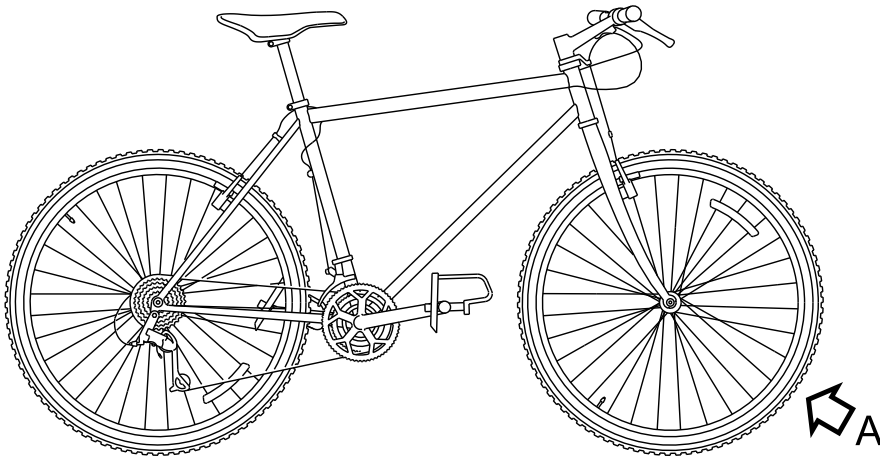| Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

<p align="center">*Table 6 Spares*</p>

Name	Manufacturer / Part No.	Quantity	Remark
Tire	MFR: KT666 /PN: TIRES-010101	1 EA	

Safety conditions

None

Procedure

1 Lift and turn the bicycle and make sure the bicycle is held safely in this position.

2 Use a standard wrench from the Specialist toolset and loosen the brake caliper.

3 Remove the axle bolt.

4 Remove the wheel.

5 Deflate the tire.

S1000DBIKE-AAA-DA0-10-20-00AA-921A-A

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

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6	Use the Tire lever from the Specialist toolset and remove the old tire from the wheel.
7	Use the Tire lever from the Specialist toolset and attach the new Tire to the wheel. Refer to S1000DBIKE-AAA-DA0-00-00-00AA-041A-A
8	Inflate the tire (refer to S1000DBIKE-AAA-DA0-10-20-00AA-215A-A).
9	Install the wheel.
10	Tighten the axle bolt.
11	Tighten the brake caliper.

Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
Lift and turn the bicycle to the correct position.	
Do a test of the brakes as given in the brake test procedure.	S1000DBIKE-AAA-DA1-00-00-00AA-341A-A

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Rear wheel

Detected fault

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Table 1 References

Data module / Technical publication	Title
None	

Fault reporting

Fault code

NYCJD00

Fault description

The rear wheel does not operate correctly

Fault detection

Type: Major

1   Detected LRU

Line replaceable unit

Nomenclature	Identification
Tire	MFR: KT666 /PN: TIRES-010101

Isolate detected fault
1   Fault isolation test – LRU

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

S1000DBIKE-AAA-DA0-20-00-00AA-412A-A

Line replaceable unit	
Nomenclature	**Identification**
Rear wheel	MFR: KZ333 /PN: WH-001

Remarks

Prepare the rear wheel for the removal of the tire

S1000DBIKE-AAA-DA0-20-00-00AA-412A-A

End of data module

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

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Rear wheel

Remove procedures

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Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Required persons

Table 3 Required persons

Persons	Category	Skill level	Trade/Trade code	Estimated time
As required				

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

S1000DBIKE-AAA-DA0-20-00-00AA-520A-A

Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
None			

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Procedure

1   Hold the rear of the bicycle.

2   Push the wheel forwards and down to disengage the chain from the sprocket.

3   Turn the wheel to the side and lift it away from the frame.

4   Put the frame on the floor.

Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
None	

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Front wheel

Remove procedures

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References

Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Required persons

Table 3 Required persons

Persons	Category	Skill level	Trade/Trade code	Estimated time
As required				

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

S1000DBIKE-AAA-DA0-30-00-00AA-520A-A

Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)			
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
None			

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Procedure

Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
1   Hold the front of the bicycle.

Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
2   Use the (Specialist toolset) to disengage the fork from the chainring by pushing the wheel forwards and down.

Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
3   Lift the wheel away from the frame.

Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
4   Put the frame on the floor.

Requirements after job completion

Required conditions

Table 7 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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Front wheel

Install procedures

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Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Required persons

Table 3 Required persons

Persons	Category	Skill level	Trade/Trade code	Estimated time
As required				

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

S1000DBIKE-AAA-DA0-30-00-00AA-720A-A

Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)			
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
None			

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Procedure

Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
1   **Note 1**
              It is necessary to install the fork and the brakes before installing the wheel

Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
2   Hold the front of the bicycle.

Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
3   Install the wheel with (Specialist toolset) and be careful to not damage the chainring.

Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
4   Put the bike on the floor.

Docuneering

Requirements after job completion

Required conditions

Table 7 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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Brake system

Description of how it is made

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Table 1 References

Data module / Technical publication	Title
None	

Description

1   Brake system

The most important part of the bicycle is the brake system. Only a minimum maintenance of the brake system is necessary. But, when a problem does occur, make sure you to do the necessary maintenance as quickly as possible. If you do not do this the bicycle will be dangerous to use.

There are nine different types of brake systems. The one found on most bicycles is the cantilever brake (refer to Para 1.1).

1.1   Cantilever brake

The brake system (refer to Fig 1) has these primary components:

the brake lever (refer to Para 1.3)
the brake cable

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

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the brake arm
the brake clamp (also known as callipers)
the brake pads (refer to Para 1.2)

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

ICN-S1000DBIKE-AAA-DA10000-0-U8025-00512-A-04-1

Fig 1 Cantilever brake with straddle cable

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

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A cable that goes from the brake levers on the handlebars pulls the two levers on the brakes together. This presses the brake pads against the outer rim of the wheel, which decreases the speed of the bicycle.

1.2 Brake pads

There are four brake pads (refer to Fig 2) on the bicycle. Two are found on the front wheel and two on the rear wheel. The brake pads are made out of hard wearing rubber. The pads press against the rim of the wheel to cause friction when the you operate the brake levers.

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Fig 2   Exploded diagram of a brake

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

S1000DBIKE-AAA-DA1-00-00-00AA-041A-A

1.3   Brake lever

The brake levers (refer to Fig 3) are easily damaged. The lever is installed in the mount. A clamp bolt holds the mount. This bolt is not visible because it is found in the mount. The lever turns on a lever pivot bolt. The adjuster lock nut holds the brake cable. This lock nut adjusts the tension of the cable.

A

ICN-S1000DBIKE-AAA-DA10000-0-U8025-00514-A-04-1

Fig 3 Typical components of a mountain bicycle lever

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

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The left brake lever holds the brake pads on the front wheel and the right brake pads hold the brakes on the rear wheel.

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

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Brake system

Manual test

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Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Required persons

Table 3 Required persons

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

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

S1000DBIKE-AAA-DA1-00-00-00AA-341A-A

Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
None			

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Procedure

1   Put the bicycle in a vertical position.

2   Hold the handle bars and push the bicycle forwards.

3   Apply the brakes.

4   Make sure that the wheels lock and the bicycle stops.

Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
None	

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Brake pads

Clean with rubbing alcohol

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References

Table 1 References

Data module / Technical publication	Title
S1000DBIKE-AAA-D00-00-00-00AA-121A-A	Bicycle – Pre-operation procedures (crew)

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Required persons

Table 3 Required persons

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

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

S1000DBIKE-AAA-DA1-10-00-00AA-251A-A

Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
None			

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
Rubbing alcohol	MFR: KZ222 /PN: LL-002	As required	

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Procedure

1   Do a visual inspection of the brakes as given in the pre-ride checks (refer to S1000DBIKE-AAA-D00-00-00-00AA-121A-A).

2   Clean the brake pads.

2.1   Find each of the brake pads.

2.2   Apply a thin layer of the Rubbing alcohol on each of the brake pads.

2.3   Rub the surface until you have applied the Rubbing alcohol to the complete surface of the pad.

2.4   Remove the unwanted alcohol.

S1000DBIKE-AAA-DA1-10-00-00AA-251A-A

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

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Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
None	

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Front brake

Remove procedures

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References

Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Required persons

Table 3 Required persons

Persons	Category	Skill level	Trade/Trade code	Estimated time
As required				

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

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Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
None			

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Procedure

Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
1   Hold the front of the bicycle.

Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
2   Remove the front brake forwards.

Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
3   Put the frame on the floor.

Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
None	

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

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Front brake

Install procedures

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Data module / Technical publication	Title
None	

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Required persons

Table 3 Required persons

Persons	Category	Skill level	Trade/Trade code	Estimated time
As required				

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

S1000DBIKE-AAA-DA1-20-00-00AA-720A-A

Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
None			

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Procedure

Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
1   **Note 1**
           It is necessary to install the fork before installing the brakes

Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
2   Hold the front of the bicycle.

Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
3   Install the front brakes on the fork.

Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
4   Put the frame on the floor.

S1000DBIKE-AAA-DA1-20-00-00AA-720A-A   Applicable to: Mountain bicycle
and (Mountain storm Mk1 or
Brook trekker Mk9)

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Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
None	

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

S1000DBIKE-AAA-DA1-20-00-00AA-720A-A
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Steering

Description of how it is made

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S1000DBIKE-AAA-DA2-20-00-00AA-520A-A	Handlebar – Remove procedures
S1000DBIKE-AAA-DA2-20-00-00AA-720A-A	Handlebar – Install procedures
S1000DBIKE-AAA-DA2-30-00-00AA-041A-A	Headset – Description of how it is made
S1000DBIKE-AAA-DA2-30-00-00AA-520A-A	Headset – Remove procedures
S1000DBIKE-AAA-DA2-30-00-00AA-720A-A	Headset – Install procedures
S1000DBIKE-AAA-DA2-10-00-00AA-520A-A	Stem – Remove procedures
S1000DBIKE-AAA-DA2-10-00-00AA-720A-A	Stem – Install procedures

Description

1   Steering

The steering on the bike is what enables the bike to manoeuvre in a given direction during travel. The steering system on the bike is made of three parts, they are:

Para 1.1 The handlebar
Para 1.2 The headset
Para 1.3 The stem

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

S1000DBIKE-AAA-DA2-00-00-00AA-041A-A

1.1 Handlebar

This consists of a horizontal bar attached to the stem with handgrips at the end. Brake levers and shifters are also attached to this bar although they do not have any part in the steering mechanism. The handlebars manoeuvrability is a sideways swivelling action. The handlebars themselves do not provide this swivelling, the headset (also known as the steering tube) is the mechanism that enables the handlebars to swivel.

1.2 Headset

This mechanism is situated in front of the frame and connects the front fork to the stem and handlebars. The headset allows the handlebars to swivel left and right for steering purposes.

For a full description of the headset, refer to S1000DBIKE-AAA-DA2-30-00-00AA-041A-A .

1.3 Stem

The stem is a piece that attaches the handlebar to the steering tube. Basically the stem is just a threaded stem bolt situated inside the steerer tube and is what attaches the handlebars to the headset.

Docuneering

Steering

Description of how it is made: Knowledge Check

This is a "learning" Data Module

**The Docuneering S1000D XSL-FO Stylesheets
do not yet support the "learning" Data Module**

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Docuneering

Stem

Remove procedures

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Table 1 References

Data module / Technical publication	Title
S1000DBIKE-AAA-DA2-20-00-00AA-520A-A	Handlebar – Remove procedures

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
Safety the bicycle in a bicycle stand and hold the front wheel off the ground	

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

S1000DBIKE-AAA-DA2-10-00-00AA-520A-A

Required persons

Table 3 Required persons

Persons	Category	Skill level	Trade/Trade code	Estimated time
Man A	Bike Rider	Intermediate	Operator	1,5 h

Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
Set of Allen wrenches	MFR: KZ666 /PN: BSK-TLST-001-13	1 EA	
Work stand	MFR: KZ555 /PN: Stand-001	1 EA	

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

Note 1

It is not necessary to remove the handlebar when you remove the stem to get access to the headset.

Procedure

1   Remove the handlebar S1000DBIKE-AAA-DA2-20-00-00AA-520A-A

2   Remove the stem.

2.1   Remove the bolt in the center of the stem cap.

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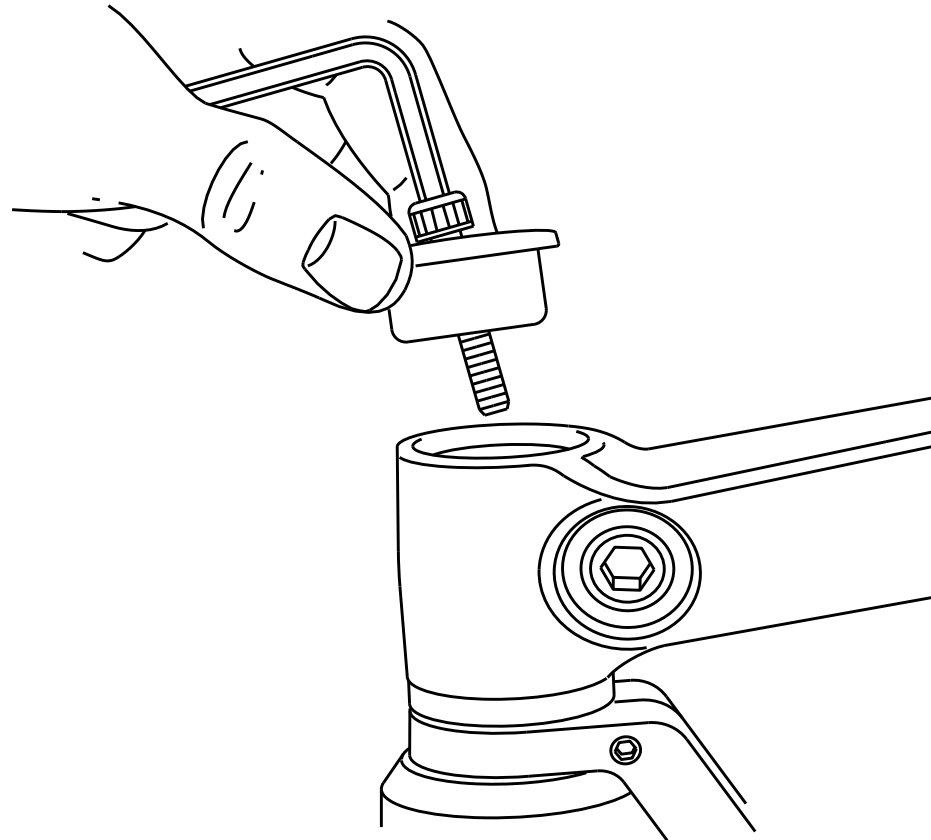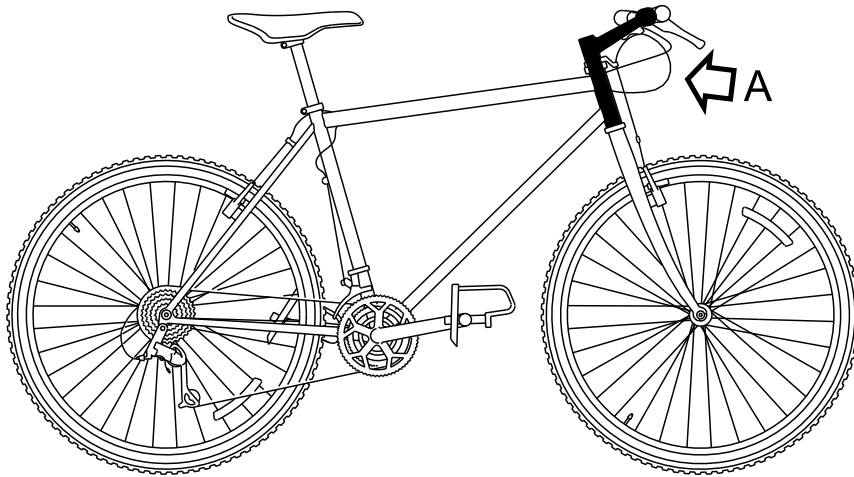
ICN-S1000DBIKE-AAA-DA21000-0-U8025-00531-A-04-1

Fig 1 Remove the bolt

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

S1000DBIKE-AAA-DA2-10-00-00AA-520A-A

2.2 Loosen the stem clam bolt with a Set of Allen wrenches.

2.3 Remove the stem from the steerer tube.

2.4 Note: It is not necessary to remove the handlebar if you remove the stem to get access to the headset.

Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
None	

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Stem

Install procedures

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Table 1 References

Data module / Technical publication	Title
S1000DBIKE-AAA-DA2-20-00-00AA-720A-A	Handlebar – Install procedures

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
Make sure the bicycle is held safely on a work stand with the front wheel free of the ground	

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

S1000DBIKE-AAA-DA2-10-00-00AA-720A-A

Required persons

Table 3 Required persons

Persons	Category	Skill level	Trade/Trade code	Estimated time
Man A	Bike Rider	Intermediate	Operator	1,0 h

Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
Clean dry cloth	MFR: KZ666 /PN: BSK-TLST-001-12	1 EA	
Work stand	MFR: KZ555 /PN: Stand-001	1 EA	

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
Rubbing alcohol	MFR: KZ222 /PN: LL-002	1 L	
General lubricant	MFR: KZ222 /PN: LL-001	1 L	

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
Stem	MFR: KZ555 /PN: St-001	1 EA	
Stem bolt	MFR: KZ555 /PN: St-001-01	1 EA	

Safety conditions

CAUTION

**Do not tighten the stem bolt too much. You can cause damage
to the headset bearings if you tighten the stem too much.**

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

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CAUTION

The stem bolt does not safety the stem.

Note 1

The stem must point forward in alignment with the wheel.

Procedure

1   Remove all the rust and the corrosion with a Clean dry cloth and Rubbing alcohol.

2   Install the stem.

2.1   Use a General lubricant and lubricate:

- the threads of the Stem and Stem bolt
- the sides
- the top of the wedge

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

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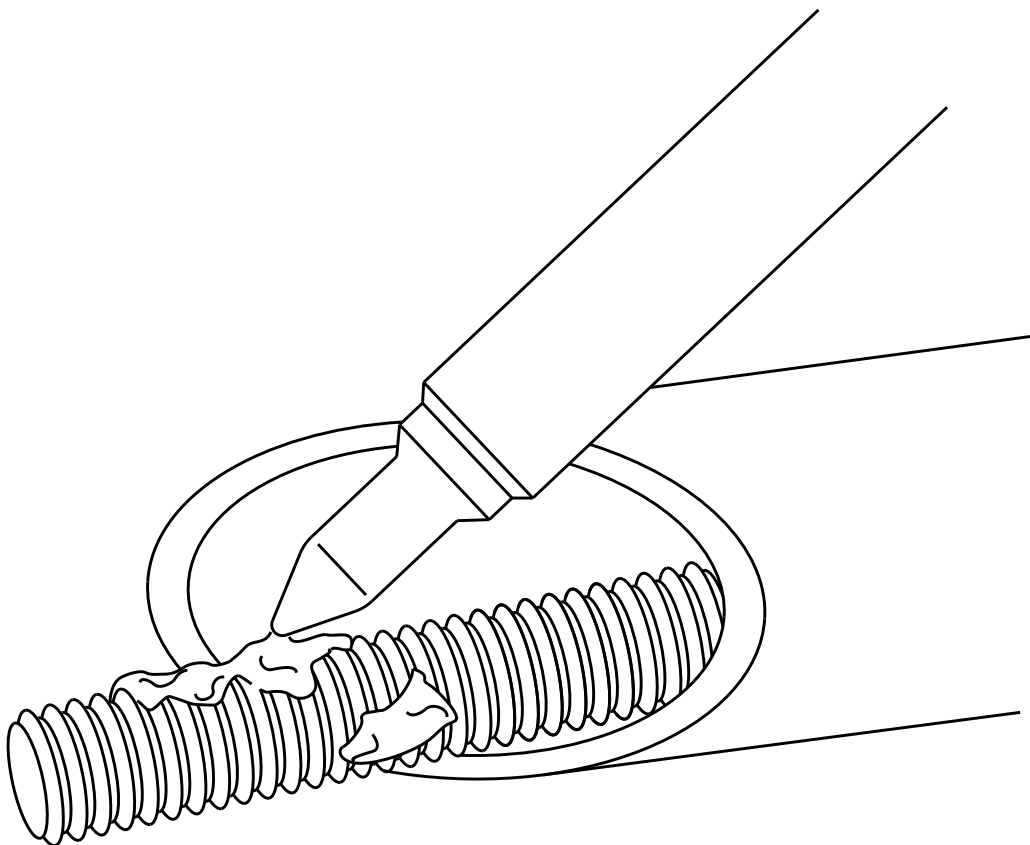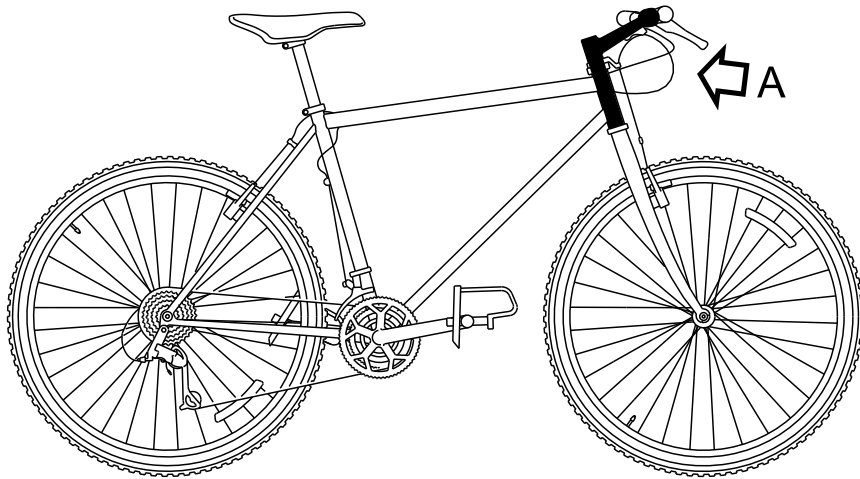
ICN-S1000DBIKE-AAA-DA21000-0-U8025-00529-A-04-1

Fig 1 Lubricate the thread

S1000DBIKE-AAA-DA2-10-00-00AA-720A-A

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

2.2   Install the Stem in the steerer tube.

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

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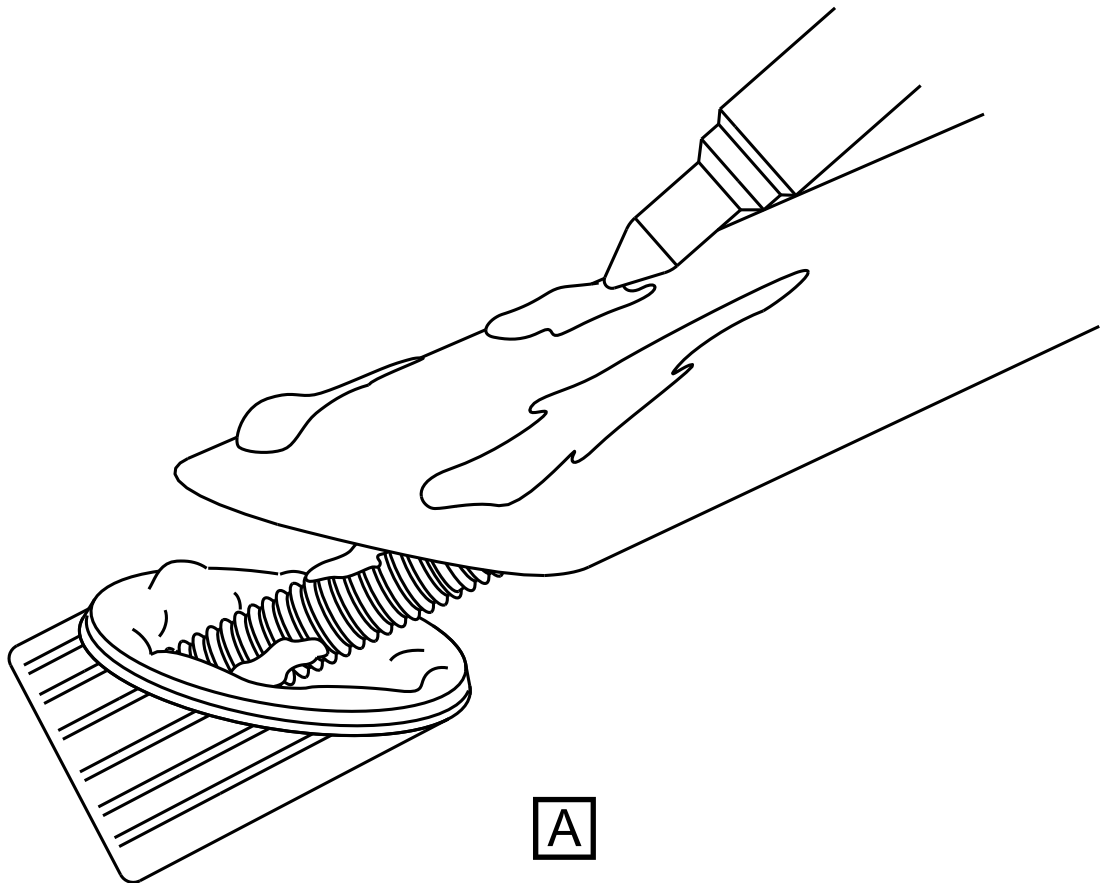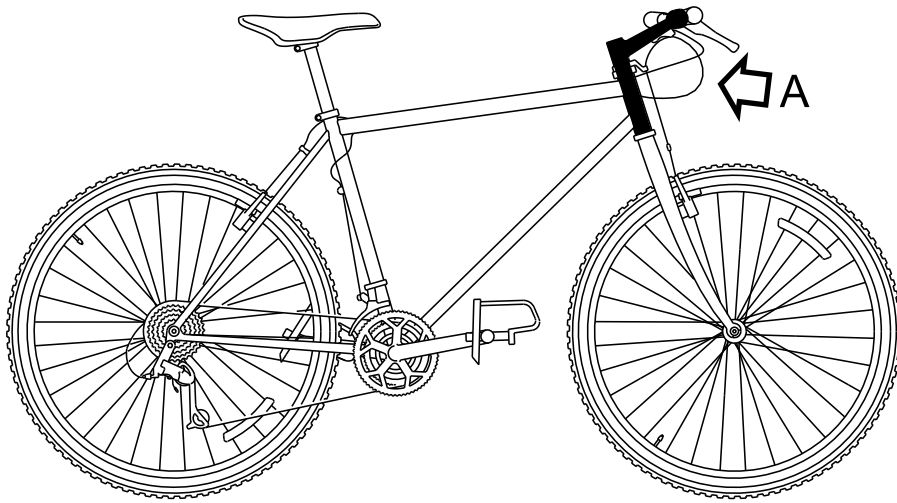
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Fig 2 Tighten the bolt

S1000DBIKE-AAA-DA2-10-00-00AA-720A-A

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

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2.3   Adjust to align the Stem with the wheel and tighten the Stem bolt firmly.

3   Install the handlebars (refer to S1000DBIKE-AAA-DA2-20-00-00AA-720A-A).

Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
None	

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Handlebar

Remove procedures

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Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
The bicycle is held safely on a work stand.	

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	Bike rider	Intermediate	Operator	1,5 h

Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
Set of Allen wrenches	MFR: KZ666 /PN: BSK-TLST-001-13	1 EA	
Work stand	MFR: KZ555 /PN: Stand-001	1 EA	

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

WARNING

**Do not ride a bicycle with no grips on the handlebar.
This can cause the hands of the rider to slip.**

Procedure

1   Remove the grips

S1000DBIKE-AAA-DA2-20-00-00AA-520A-A

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

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1.1   Put a long thin screwdriver below the grip and apply water between the grip and the handle bar.

1.2   Turn the grip forwards and rearwards to loosen it and then pull it off the end of the handlebar.

2   Remove the brake and the shift levers from the handlebars

2.1   Loosen the clamp screw (refer to Fig 1) which is behind or below the brake lever (as shown).

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

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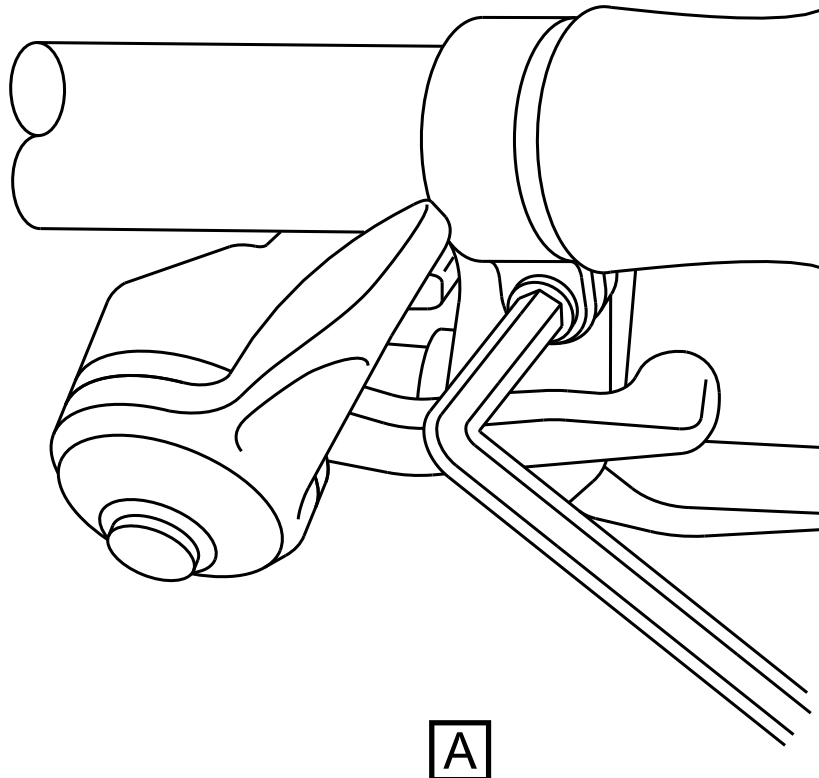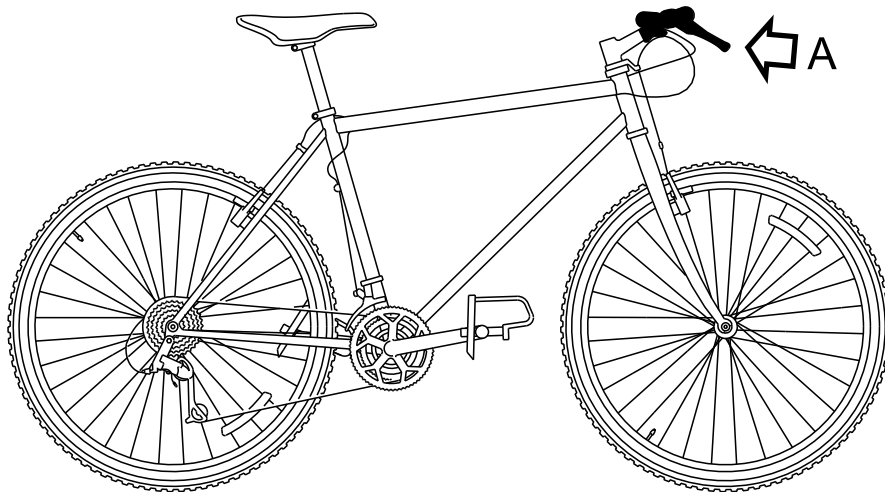
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Fig 1 Loosen the clamp screw with the Allen wrench

S1000DBIKE-AAA-DA2-20-00-00AA-520A-A

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

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2.2   Remove the lever and the mount from the handlebar.

2.3   Loosen the clamp bolt and remove the shifter from the handlebar.

3   Remove the handlebar

Use a Set of Allen wrenches and loosen the clamp bolt (refer to Fig 2). To remove, move the handlebar out of the stem.

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

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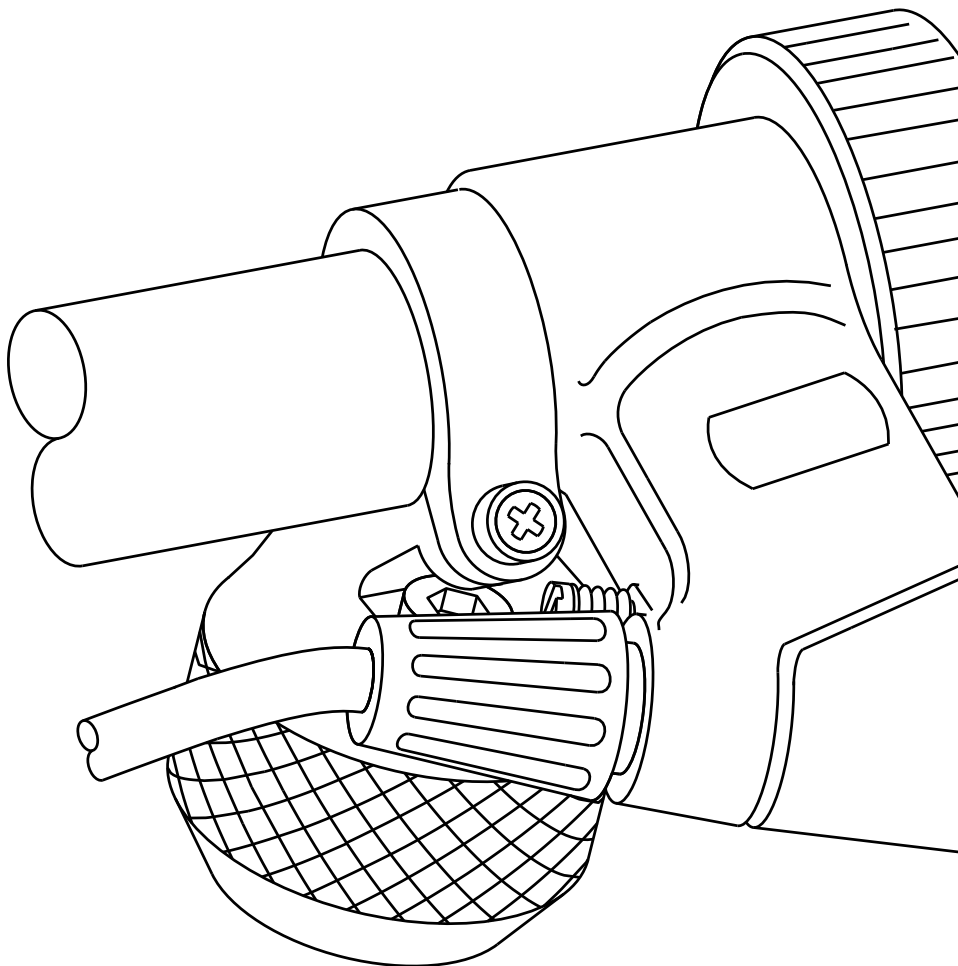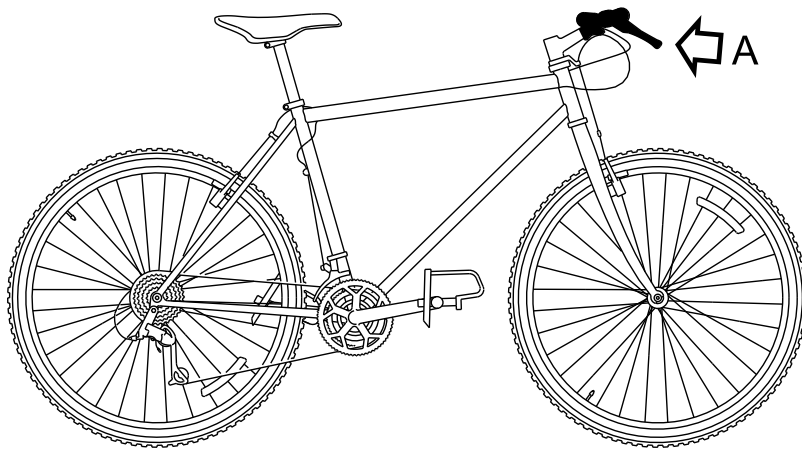
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Fig 2 Loosen the clamp bolt

S1000DBIKE-AAA-DA2-20-00-00AA-520A-A

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

Docuneering

Requirements after job completion

Required conditions

Table 7 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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Handlebar

Install procedures

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Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
The bicycle is held safely on work stand. Refer to (Work stand)	

Required persons

Table 3 Required persons

Persons	Category	Skill level	Trade/Trade code	Estimated time
Man A	Bike rider	Intermediate	Operator	1,5 h

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

S1000DBIKE-AAA-DA2-20-00-00AA-720A-A

Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
Set of Allen wrenches	MFR: KZ666 /PN: BSK-TLST-001-13	1 EA	
Extra firm hold hairspray	MFR: HS111 /PN: HSP-D001	1 EA	
Work stand	MFR: KZ555 /PN: Stand-001	1 EA	

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
Handlebar	MFR: KZ555 /PN: Hd-001	1 EA	
Brake lever	MFR: KT444 /PN: BR-LVRS-001	1 EA	
Shifter lever	MFR: KZ555 /PN: Sl-001	1 EA	
Brake lever mount	MFR: KT444 /PN: BR-LVRS-001-01	1 EA	
Handlebar grips	MFR: KZ555 /PN: Hd-001-01	1 EA	
Handlebar plug	MFR: KZ555 /PN: Hd-001-02	1 EA	

Safety conditions

WARNING

**Do not ride the bicycle until the grips have become dry and are firmly held in position.
If the grips are wet, your hands can move off the grips when you ride the bicycle.**

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

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<table>
<tr><td>

WARNING

Do not ride a bicycle with no grips on the handlebar.

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CAUTION

Make sure the handlebar is correctly aligned in the center of the stem.

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</table>

Procedure

1   Put the Handlebar in the stem and tighten the clamp bolt with a Set of Allen wrenches. Make sure the handlebar is correctly aligned in the center of the stem. Tighten the clamp bolt.

2   Put the Brake lever and Shifter lever on the handlebar.

2.1   Move the Shifter lever on the Handlebar again and make sure you do not catch the cables.

2.2   Tighten the clamp bolt.

2.3   Move the Brake lever mount and the brake lever on the Handlebar again.

2.4   Tighten the clamp screw.

3   Replace the Handlebar grips.

3.1   Apply with the Extra firm hold hairspray to the Handlebar grips area of the Brake lever mount.

3.2   Before the Extra firm hold hairspray becomes dry, move the Handlebar grips into the correct position. Make sure the grip protects the end of the Handlebar or install a Handlebar plug.

Requirements after job completion

Required conditions

Table 7   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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Headset

Description of how it is made

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Table 1 References

Data module / Technical publication	Title
None	

Description

1   Headset

The headset (refer to Fig 1) is a pair of bearings on the two ends of the head tube of the frame. These bearings permit the fork to turn rearward and forward (for example, to let the rider turn the handlebars for the steering).

The headset (refer to Fig 1) includes the parts that follow:

    The bearing races that push into the head tube
    a bearing race that pushes on the fork steerer tube
    an adjustable upper race
    two sets of ball bearings

A headset has cups that are pushed into the head tube and a ring on the fork. All three must be fully parallel. It is usually necessary to remove rough paint to get all three fully parallel.

The upper race installs onto the steerer tube with a thread. A locknut is used to safety the upper race.

A clamp bolt holds the stem to the steerer tube.

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

S1000DBIKE-AAA-DA2-30-00-00AA-041A-A

The fourth remaining bearing race is part of a nut that installs on the threaded top end of the fork. This is done after you install it in the head tube. It is sometimes necessary for some headsets to have more thread at the top of the head tube. If the fork is too long, the spacer rings can be installed. If it is too short, there is a limit to the number of headsets you can use.

For an illustration of the parts of the headset (refer to Fig 1).

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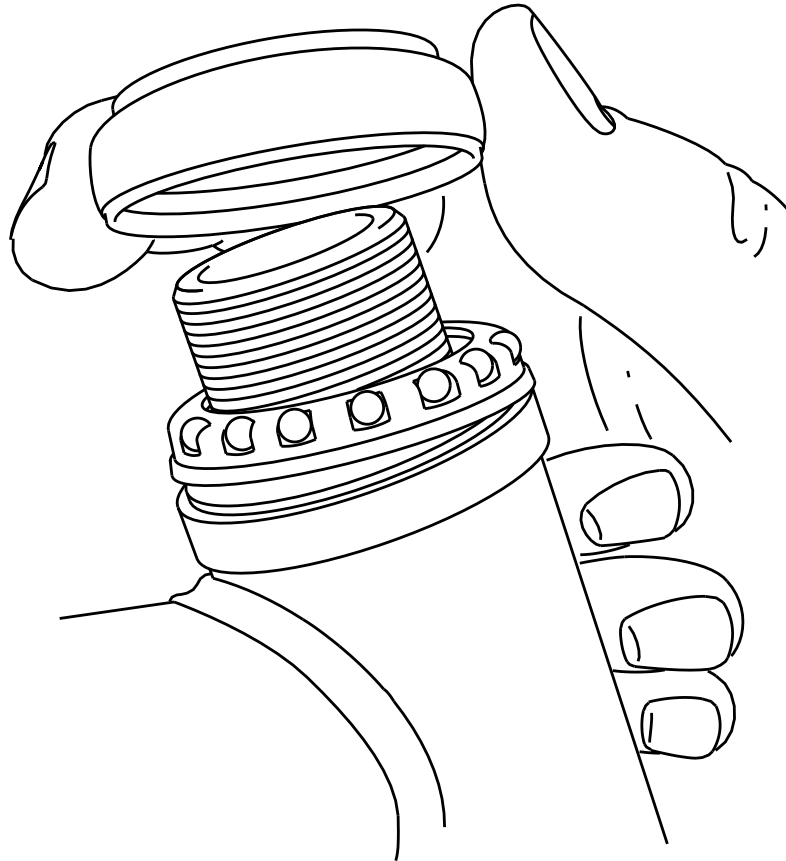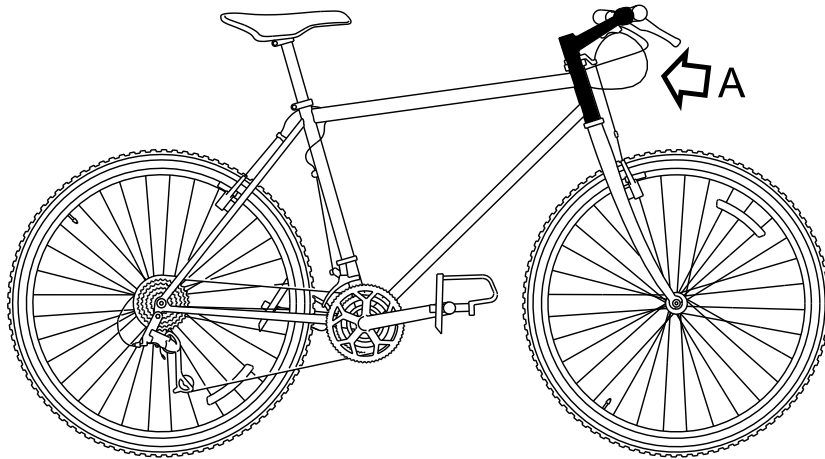
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Fig 1 Headset

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

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Docuneering

Headset

Remove procedures

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Table 1 References

Data module / Technical publication	Title
S1000DBIKE-AAA-DA2-10-00-00AA-520A-A	Stem – Remove procedures

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
The bicycle is safely held on a work stand	

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	Bike Rider	Intermediate	Operator	0,5 h

Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
Work stand	MFR: Bikey /PN: Stand-001	1 EA	

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

Note 1

It is not necessary to remove the handlebar for this procedure.

Procedure

1   Remove the stem (refer to S1000DBIKE-AAA-DA2-10-00-00AA-520A-A).

2   Remove:

         the spacers
         the brake cable hangar
         the dust seals
         the conical expansion washer(s) from the steerer tube

3   Lift the upper bearing cup off (refer to Fig 1) and then remove the fork from the frame.

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

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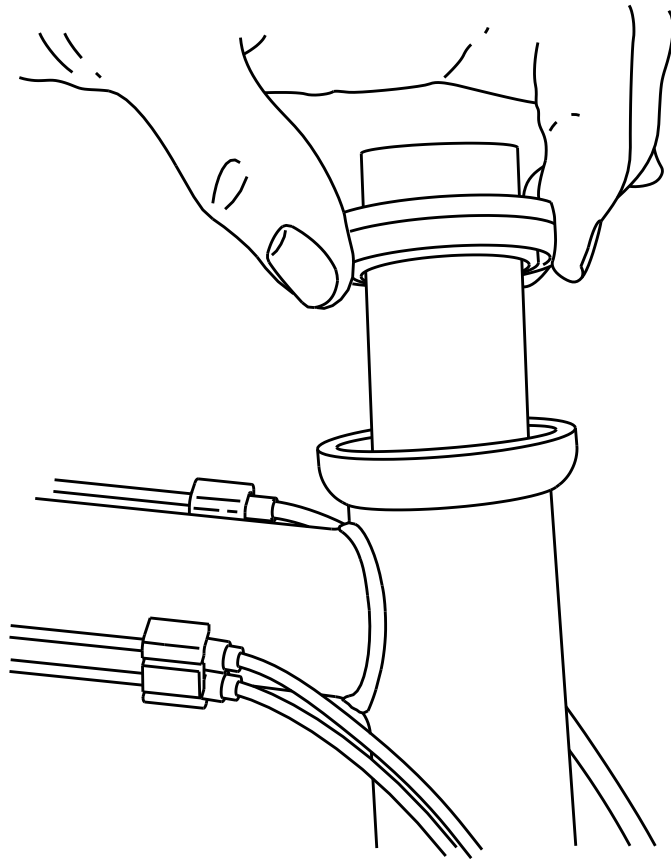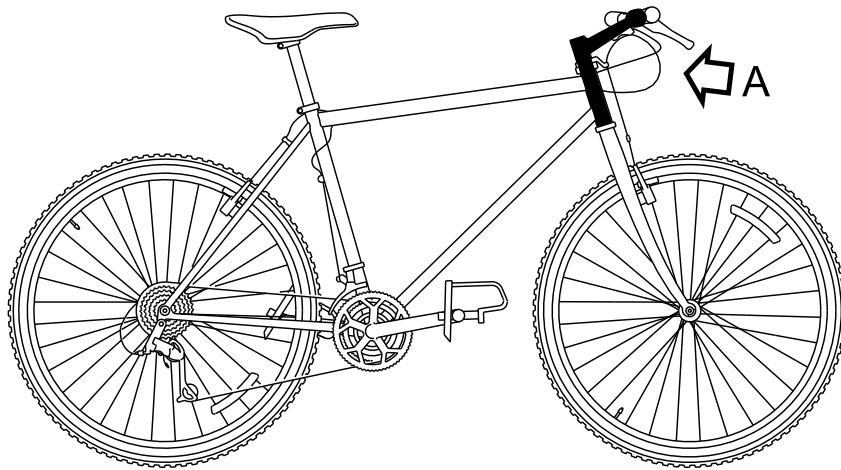
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Fig 1 Lift the upper bearing cup

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

S1000DBIKE-AAA-DA2-30-00-00AA-520A-A

Requirements after job completion

Required conditions

Table 7 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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Headset

Install procedures

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Table 1 References

Data module / Technical publication	Title
S1000DBIKE-AAA-DA2-10-00-00AA-720A-A	Stem – Install procedures

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
The bicycle is safely held on a work stand	

Required persons

Table 3 Required persons

Persons	Category	Skill level	Trade/Trade code	Estimated time
Man A	Bike Rider	Intermediate	Operator	1,5 h

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

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Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
Work stand	MFR: Stand /PN: Stand-001	1 EA	

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
Frame fork	MFR: KZ555 /PN: St-001-02	1 EA	
Upper bearing cup	MFR: KZ555 /PN: St-001-03	1 EA	
Brake cable hangar	MFR: KT444 /PN: BR-LVRS-002	1 EA	
Dust seal	MFR: KZ555 /PN: St-001-04	1 EA	
Conical expansion washer	MFR: KZ555 /PN: St-001-05	1 EA	

Safety conditions

None

Procedure

1   Install the Frame fork on the frame.

2   Install the Upper bearing cup.

3   Install the components that follow on the steering tube:

the Brake cable hangar
the Dust seal
the Conical expansion washer

4   Install the stem (refer to S1000DBIKE-AAA-DA2-10-00-00AA-720A-A).

S1000DBIKE-AAA-DA2-30-00-00AA-720A-A

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

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Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
None	

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Docuneering

Spacer

Install procedures

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References

Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Required persons

Table 3 Required persons

Persons	Category	Skill level	Trade/Trade code	Estimated time
As required				

Applicable to: Mountain bicycle
and Mountain storm Mk1

S1000DBIKE-AAA-DA2-40-00-00AA-720A-A

Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
None			

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
Applicable to: Mountain bicycle and Mountain storm Mk1			
Fork set	MFR: KZ666 /PN: SPA-1000-1	1 EA	Material set
- Spacer	MFR: KZ666 /PN: SPC-200-12	1 EA	

Safety conditions

None

Procedure

Applicable to: Mountain bicycle and Mountain storm Mk1
1   **Note 1**
         It is necessary to install the headset before installing any spacer

Applicable to: Mountain bicycle and Mountain storm Mk1
2   Install the spacer (Spacer)

Docuneering

Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
None	

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Docuneering

Frame

Description of how it is made

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References

Table 1 References

Data module / Technical publication	Title
None	

Description

1   The bicycle frame

The frame is the skeleton, the primary part of your bicycle. Its structure makes the bicycle resistant to large forces.

The initial frames (refer to Fig 1) were tubes of aluminum or steel welded together.

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

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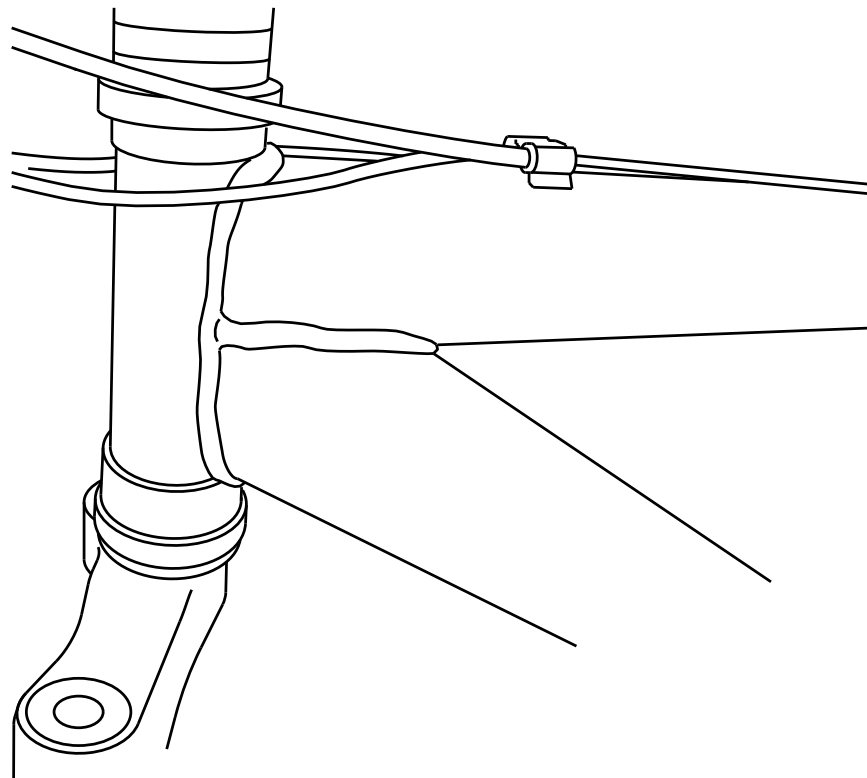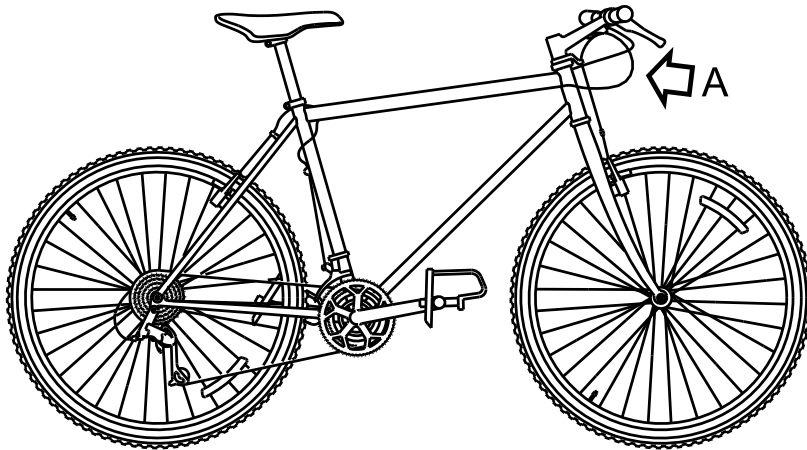
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Fig 1 Welded frame joints

S1000DBIKE-AAA-DA3-00-00-00AA-041A-A

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

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Subsequent frames (refer to Fig 2) can be made out of a wide variety of materials, including aluminium, titanium, or chrome moly.

SEAT STAYS

TOP TUBE

HEAD TUBE

SEAT TUBE

DOWN TUBE

CHAIN STAYS

DERAILLEUR HANGER

BOTTOM BRACKET SHELL
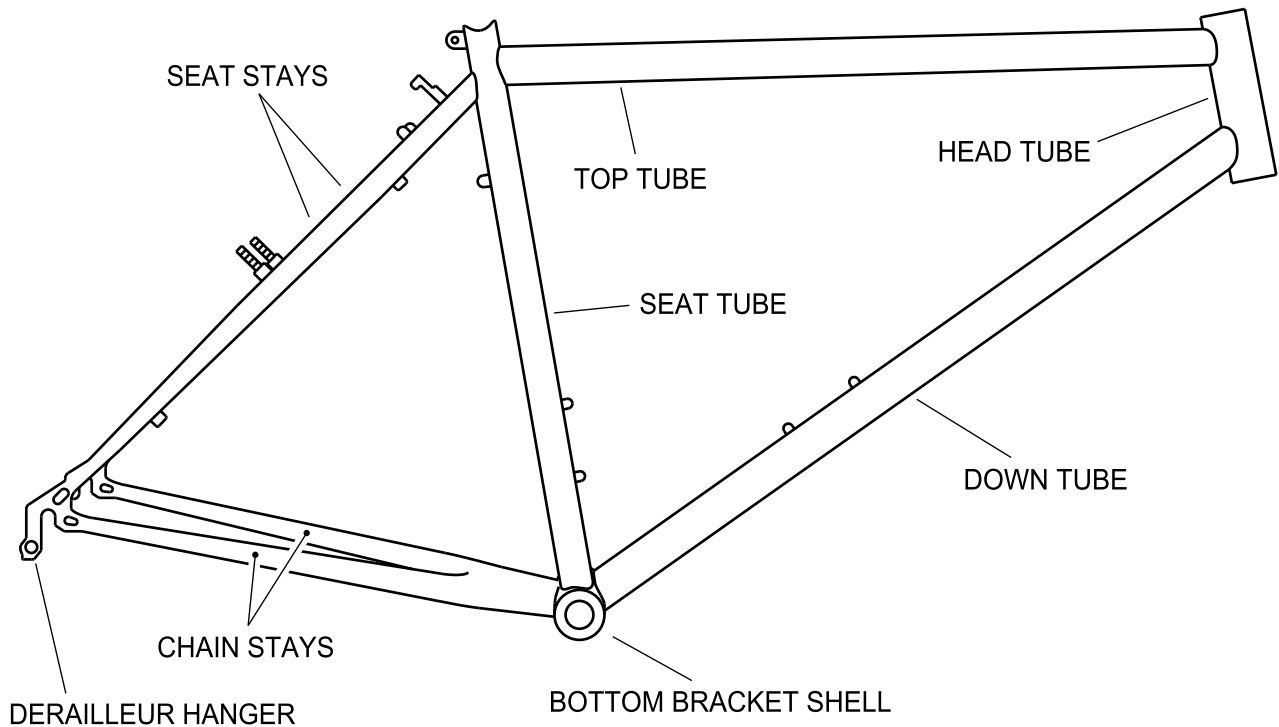
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Fig 2 Frame

are different and can also be of different materials (for example, titanium or chrome moly). Some bicycle frames are of carbon fiber. To get this material, it is necessary to put sheets of carbon fiber cloth on foam forms and epoxy them in position. This procedure gives a very light, strong structure that can have different shapes.

The frame includes the parts that follow:

- the top tube (the higher bar of the bicycle frame)
- the down tube (the section of the frame that extends from the stem to the bottom bracket)
- the head tube (the part of the frame that the fork steerer tube goes through)
- the seat tube (the vertical part of the frame that is the rear of the front triangle and that is between the bottom bracket and the top tube)
- the seat stay (the tube that includes the distance between the seat tube and the rear dropouts)
- the chain stay (the tube that is the bottom part of the rear triangle)

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Docuneering

Horn

Isolated fault

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References

Table 1 References

Data module / Technical publication	Title
S1000DBIKE-AAA-DA3-10-00-00AA-921A-A	Horn – Remove and install a new item

Fault reporting

Fault code

NYCJD03

Fault description

Horn failed

Locate and repair
1   Locate and repair LRU

Line replaceable unit

Nomenclature	Identification
Horn	MFR: KZ444 /PN: Horn-001

Repair procedures:.................................... S1000DBIKE-AAA-DA3-10-00-00AA-921A-A

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

S1000DBIKE-AAA-DA3-10-00-00AA-411A-A

End of data module

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Docuneering

Horn

Remove and install a new item

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List of tables

References

Table 1 References

Data module / Technical publication	Title
	Local Disposal Procedures

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Required persons

Table 3 Required persons

Persons	Category	Skill level	Trade/Trade code	Estimated time
As required				

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

S1000DBIKE-AAA-DA3-10-00-00AA-921A-A

Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
Specialist toolset	MFR: KZ666 /PN: BSK-TLST-001	1 EA	
8mm Allen wrench	MFR: KZ666 /PN: BSK-TLST-001-08	1 EA	

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
Horn	MFR: KZ444 /PN: Horn-001	1 EA	

Safety conditions

None

Procedure

1   Safely hold the bicycle.

2   Remove the horn.

2.1   Use the 8mm Allen wrench from the Specialist toolset and remove the two Allen screws.

2.2   Remove the horn.

3   Install the new Horn.

3.1   Install the new Horn on the handlebars.

3.2   Use the 8mm Allen wrench from the Specialist toolset and tighten the two Allen screws.

S1000DBIKE-AAA-DA3-10-00-00AA-921A-A

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

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Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
Safely discard the horn that you removed	Local Disposal Procedures

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Docuneering

Drivetrain

Description of how it is made

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References

Table 1 References

Data module / Technical publication	Title
None	

Description

1   Drive train

The drive train is the group of components that are necessary for the operation of the bicycle. The drive train is the primary system for the movement of the bicycle. A typical drive train has the chain wheels, the chain, the pedals and the saddle.

Since the drive train has many components, it is necessary to do a regular maintenance. The drive train maintenance is easy and the users can disassemble and assemble each part of the drive train. Because of this, when one part is defective, it is possible to remove and replace it with a new one.

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

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End of data module

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Chain

Oil

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References

Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
The bicycle chain is clean and dry	

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

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Required persons

<div align="center">*Table 3 Required persons*</div>

Persons	Category	Skill level	Trade/Trade code	Estimated time
Man A	Operator	Intermediate	Bike rider	0,5 h

Support equipment

<div align="center">*Table 4 Support equipment*</div>

Name	Manufacturer / Part No.	Quantity	Remark
Clean dry cloth	MFR: KZ666 /PN: BSK-TLST-001-12	1 EA	
Floor covering	MFR: KK999 /PN: PPP-001	1 pack	

Consumables, materials and expendables

<div align="center">*Table 5 Consumables, materials and expendables*</div>

Name	Manufacturer / Part No.	Quantity	Remark
Wet lube	MFR: KZ222 /PN: LL-007	1 dl	
Dry lube	MFR: KZ222 /PN: LL-006	1 dl	

Spares

<div align="center">*Table 6 Spares*</div>

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

> **WARNING**
>
> **Dry Lube is a very dangerous substance. Do not get it onto your skin. Use it in a well ventilated area. If you swallow it seek immediate medical advice. If it gets into your eyes wash your eyes in clean water and seek medical advice.**

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WARNING

Wet Lube is a very dangerous substance. Do not get it onto your skin. Use it in a well ventilated area. If you swallow it seek immediate medical advice. If it gets into your eyes wash your eyes in clean water and seek medical advice.

Procedure

1   Apply the penetrating lubricant into all the parts of the bike that move. This includes:

- derailleur pivots (refer to Fig 1)
- derailleur tension (refer to Fig 2)
- brake lever pivots (refer to Fig 3)

These brake lever pivots include:

- derailleur pivots
- derailleur tension
- guide wheels
- brake lever pivots
- control cables and where they go into their casings

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

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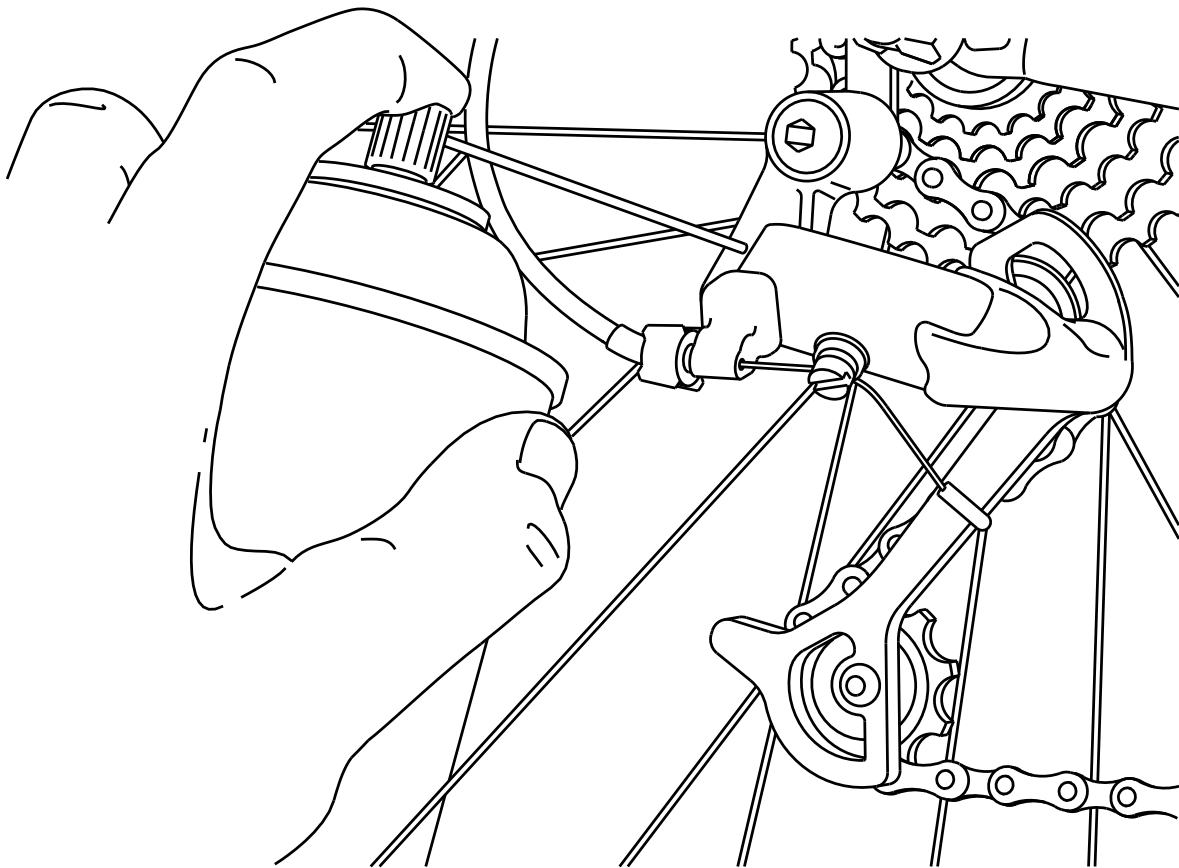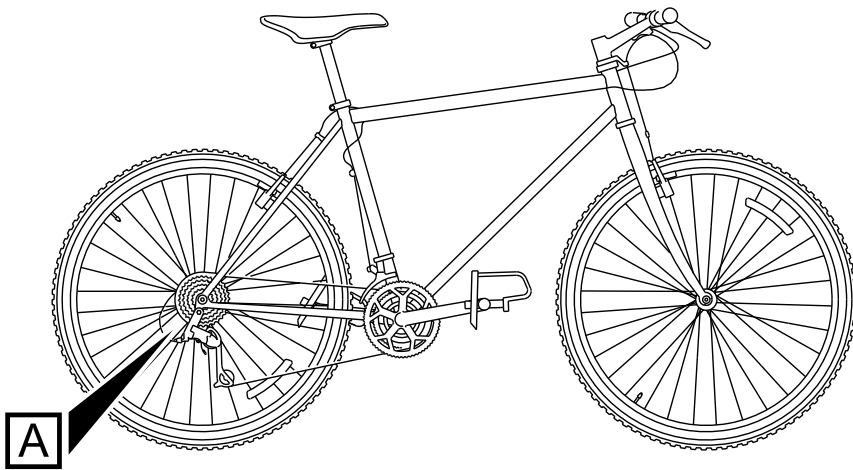
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Fig 1 Derailleur pivots

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Applicable to: Mountain bicycle
and (Mountain storm Mk1 or
Brook trekker Mk9)
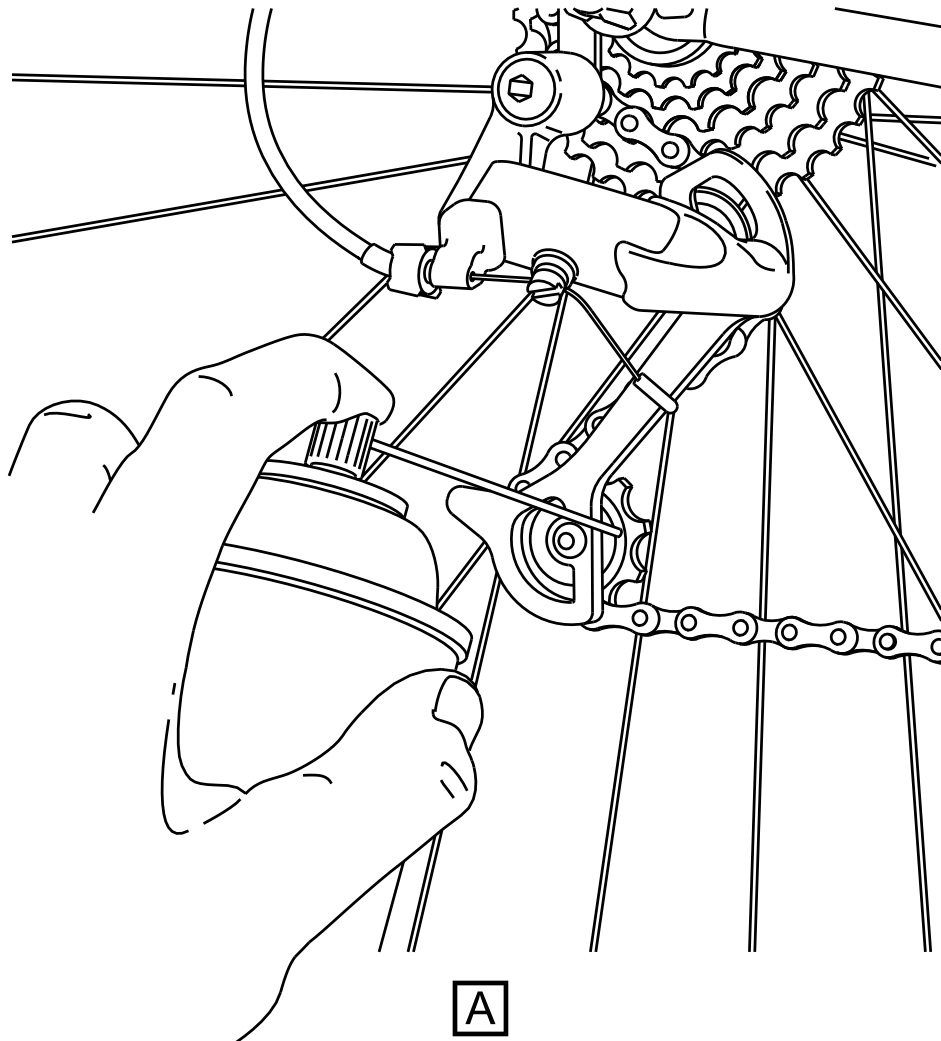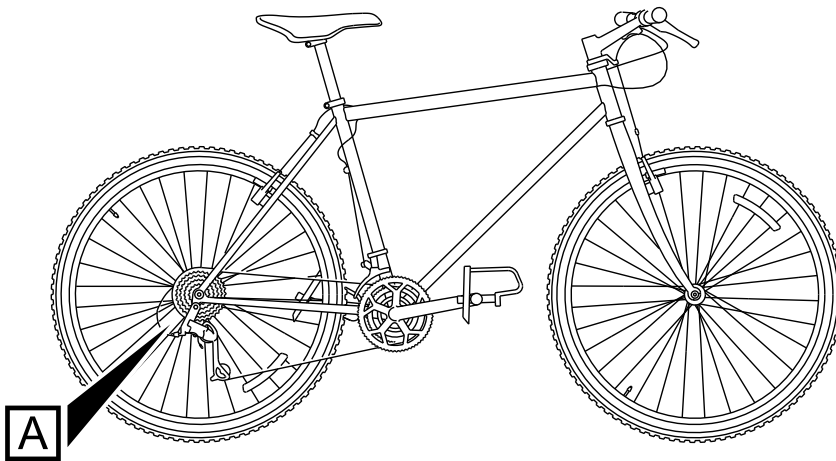
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Fig 2 Derailleur tension

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

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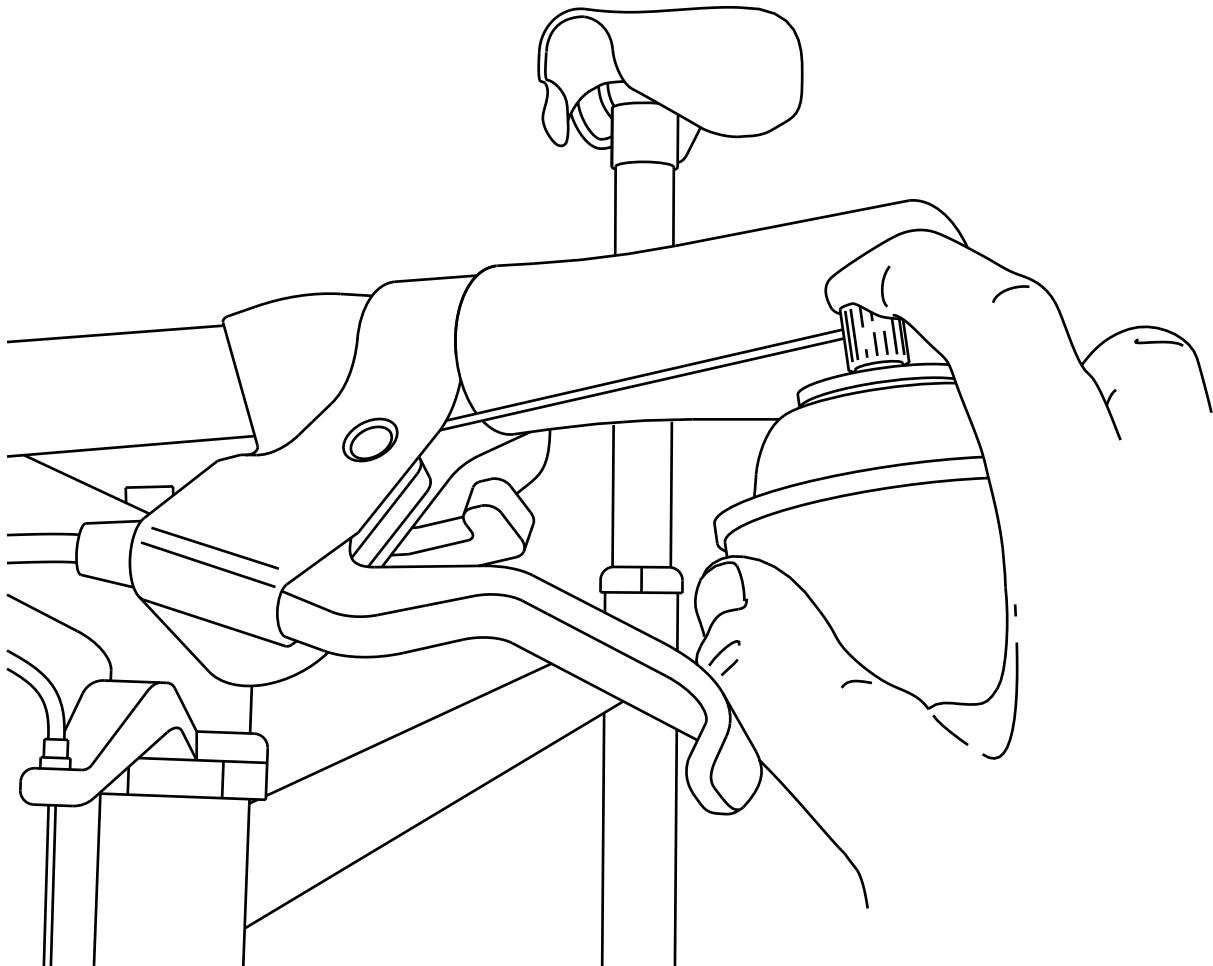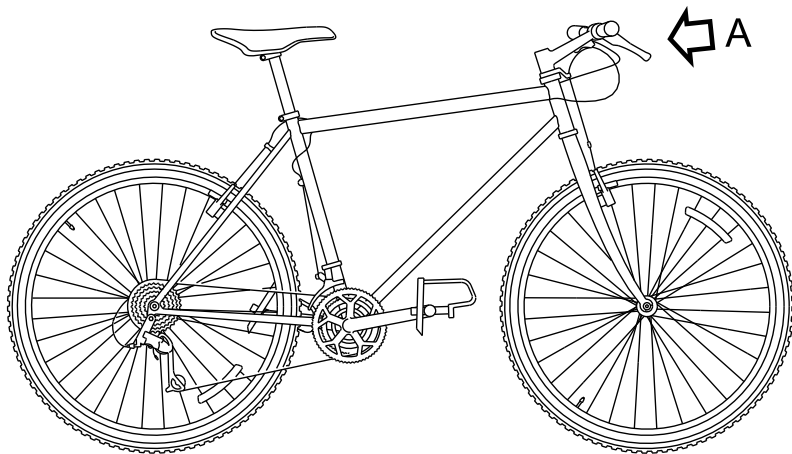
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Fig 3 Brake lever pivots

S1000DBIKE-AAA-DA4-10-00-00AA-241A-A

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

2   Lubricate the chain.

2.1   Make sure the chain is clean and dry.

2.2   Put the Floor covering on the floor below the chain.

2.3   Use a Dry lube for dry conditions.

2.4   Use a Wet lube for wet conditions

2.5   Apply the lubricant to each roller of the chain (refer to Fig 4) but only apply a small quantity.

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

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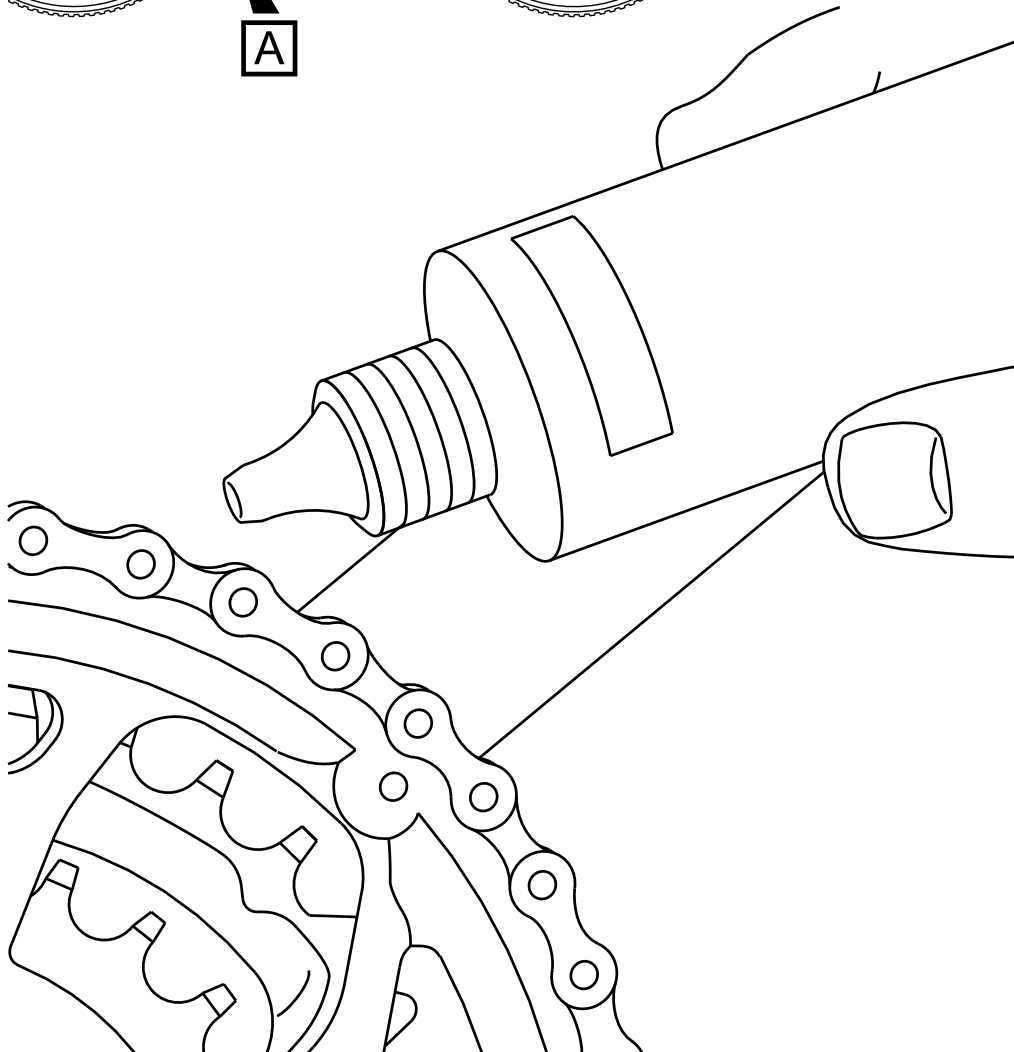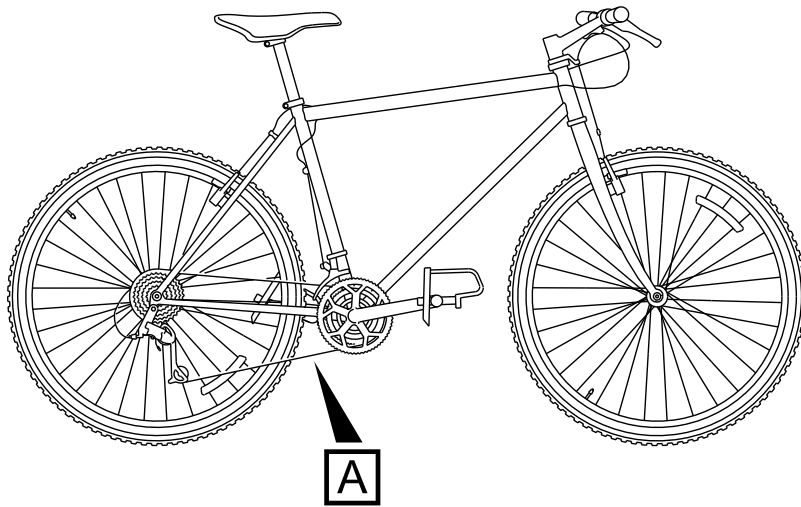
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Fig 4 Lubricate the chain

S1000DBIKE-AAA-DA4-10-00-00AA-241A-A

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

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2.6   Hold the nozzle of the container above the front of the chain ring and slowly turn the cranks rearwards.

2.7

CAUTION

Do not get lubrication oil into the brake system. Oil in the break system can affect the efficiency of the bake system. Do not get oil onto the floor where it can easily get transferred onto the brake system.
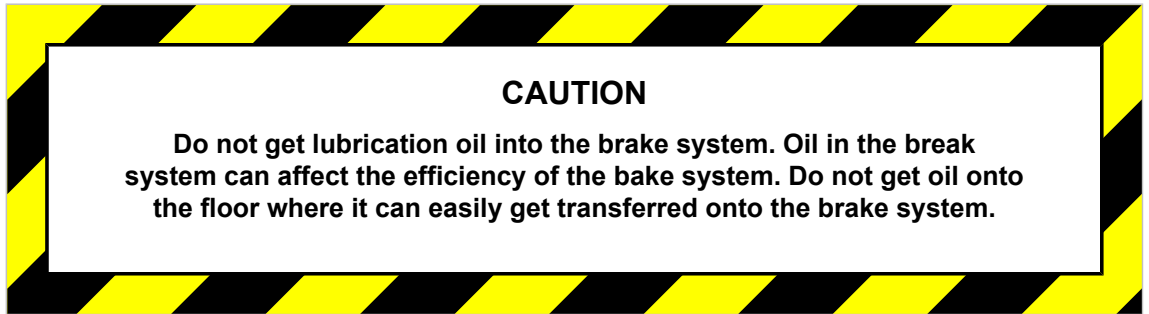
Let the lubricant soak into chain before you clean the unwanted lubricant from the chain.

3   Do a check of the rear wheel rim and clean the unwanted lubricant if necessary.

4   Do a check of the chain to make sure that each link is lubricated. If there are links that do not move easily or have become frozen, lubricate the chain again (refer to Step 2).

5   Do a check of the remaining lubricated parts and clean the unwanted lubricant with a Clean dry cloth.

Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
None	

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Docuneering

Chain

Clean with chain cleaning fluid

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References

Table 1 References

Data module / Technical publication	Title
S1000DBIKE-AAA-D00-00-00-00AA-121A-A	Bicycle – Pre-operation procedures (crew)

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Support equipment

Table 3 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
Stiff bristle brush	MFR: KZ666 /PN: BSK-TLST-001-02	1 EA	
Chain cleaning fluid	MFR: KZ222 /PN: LL-003	As required	

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

S1000DBIKE-AAA-DA4-10-00-00AA-251B-A

Table 3 Support equipment (Continued)

Name	Manufacturer / Part No.	Quantity	Remark
Chain cleaning tool	MFR: KZ666 /PN: BSK-TLST-001-03	1 EA	

Consumables, materials and expendables

Table 4 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
Floor covering	MFR: KK999 /PN: PPP-001	1 pack	
General lubricant	MFR: KZ222 /PN: LL-001	As required	

Spares

Table 5 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Procedure

1 Inspect the chain.

Do the inspection of the chain as given in the pre-ride checks (refer to S1000DBIKE-AAA-D00-00-00-00AA-121A-A).

2 Prepare the cleaning area.

2.1 Put the Floor covering on a satisfactory floor area.

2.2 Put the bicycle on the floor covering.

3 Clean debris from the chain.

3.1 Use the Stiff bristle brush and loosen as much unwanted material as possible.

3.2 Make sure that you remove all the unwanted material from the chain.

4 Clean the chain.

4.1 Open the Chain cleaning tool and fill with the Chain cleaning fluid.

4.2 Move the chain to the middle chainring and the middle sprocket at the rear.

4.3 Put the chain in the chain guides of the chain cleaning tool and lock the tool on the chain.

S1000DBIKE-AAA-DA4-10-00-00AA-251B-A

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

4.4   Hold the tool with the left hand and slowly turn the rearwards with the right hand.

4.5   Press the button on the cleaning tool to make sure that cleaning fluid flows until the tool is empty.

4.6   If necessary, remove the unwanted chain cleaning fluid.

5   Lubricate the chain.

5.1   Use the General lubricant and lubricate the chain.

5.2   Unlock and remove the cleaning tool.

5.3   If necessary, remove the unwanted lubricant.

Requirements after job completion

Required conditions

Table 6 Required conditions

Action / Condition	Data module / Technical publication
Move the bicycle to its storage area and remove the floor covering.	

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

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Drive train

Correlated fault

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Table 1 References

Data module / Technical publication	Title
None	

Fault reporting

Messages and warnings
Built-in test messages
1   Fault code: 100FC01
Fault description

The pedal mechanism is jammed

2   Fault code: 200FC01
Fault description

The derailleur is jammed

Isolate detected fault
1   Fault isolation test – LRU

Line replaceable unit

Nomenclature	Identification
Bicycle chain	MFR: KZ120 /PN: Tchain-120

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

S1000DBIKE-AAA-DA4-10-00-00AA-414A-A

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Remarks

Prepare the derailleur to put transmission chain back on pedal mechanism.

S1000DBIKE-AAA-DA4-10-00-00AA-414A-A

End of data module

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

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Gears

Description of how it is made

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Table 1 References

Data module / Technical publication	Title
S1000DBIKE-AAA-DA5-10-00-00AA-041A-A	Mechs – Description of how it is made
S1000DBIKE-AAA-DA5-30-00-00AA-041A-A	Shifters – Description of how it is made

Description

1   Gears

The gears include the mechanism, the hubs and the shifters.

The description of the mechanisms is given in S1000DBIKE-AAA-DA5-10-00-00AA-041A-A

The description of the shifters is given in S1000DBIKE-AAA-DA5-30-00-00AA-041A-A

The bicycles of these days can have 27 gears or more. The mountain bikes use a set that includes:

-    Three socket sprockets of different dimension on the front
-    Nine socket sprockets of different dimensions at the rear

This set gives the gear ratios.

The shifters installed on the handlebars change the gears and operate the mechanisms (also known as derailleurs). These derailleurs are cable-actuated mechanisms. They move the chain from the different sprockets.

The hub is the center of the wheel and contains the axle and bearings.

The gears let the rider crank at the pedals at a constant movement on slopes of different angles.

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

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End of data module

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Mechs

Description of how it is made

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References

Table 1 References

Data module / Technical publication	Title
None	

Description

1   Derailleur

There are two different types of derailleur, the front and the rear.

1.1   Front derailleur

The front derailleur (refer to Fig 1) contains two types of screws to keep the movement of the derailleur to a minimum. These screws are:

the stop screw low-gear
the stop screw high-gear

The function of these screws is to prevent the rider from over shifting . If this occurs, the chain will go out of the chain wheel.

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

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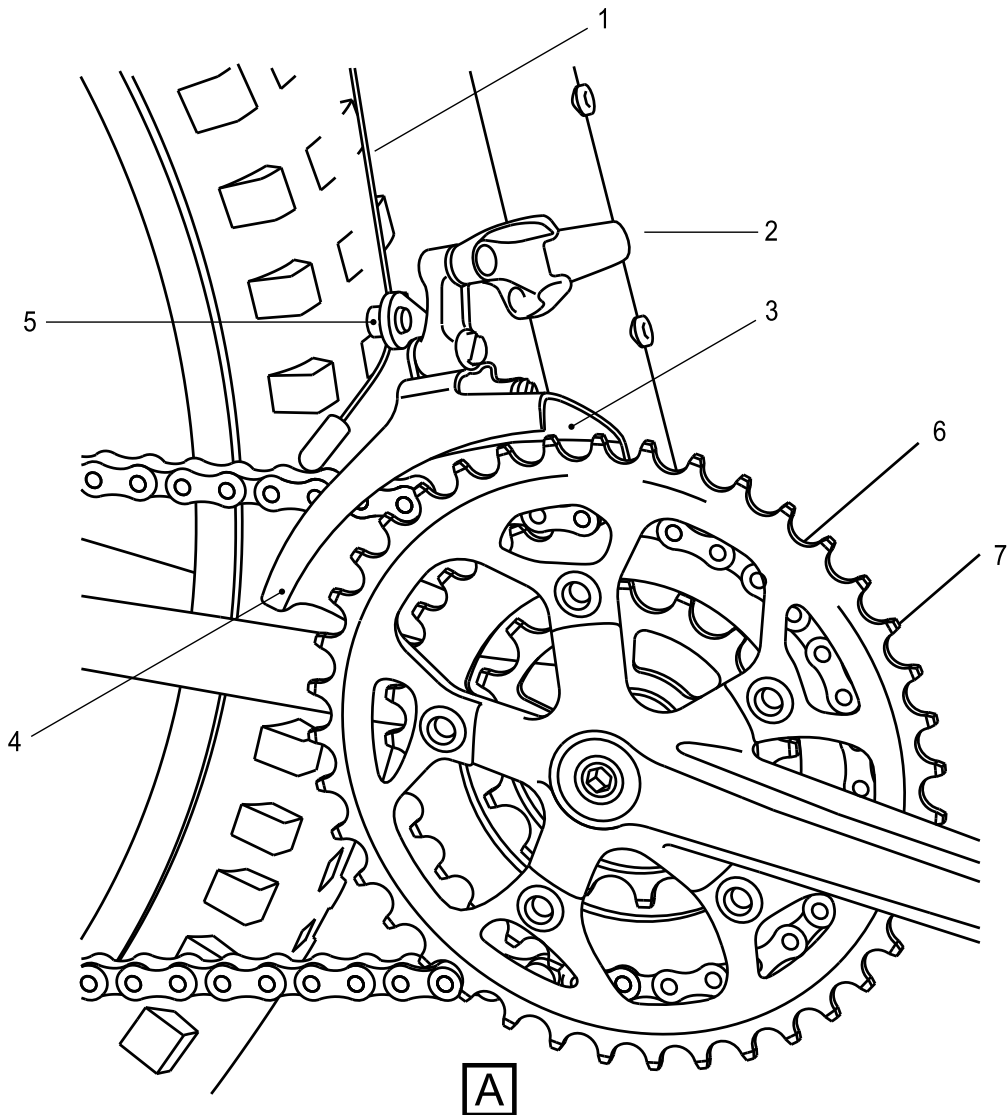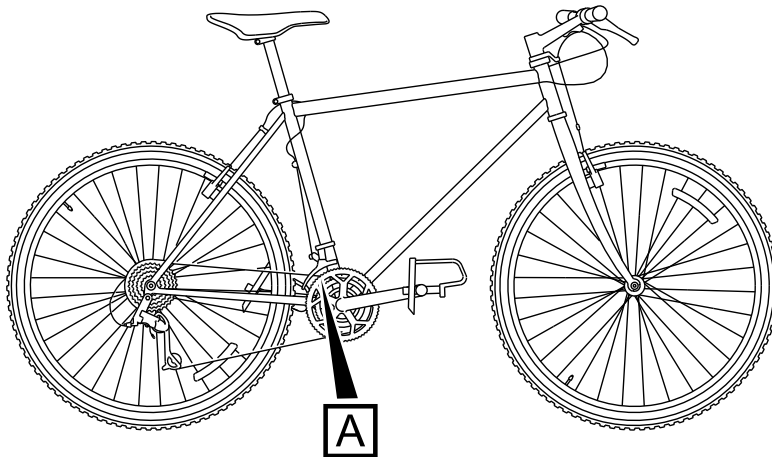
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Fig 1 Front derailleur

S1000DBIKE-AAA-DA5-10-00-00AA-041A-A

The derailleur is installed on the bicycle seat tube with a clamp and is parallel to the three front sprockets.

The shift cable is connected between the shifters on the handle bars and the cable clamp bolt on the front derailleur. This operates the derailleur. On the sprockets there is an inner and outer cage. The clamp attaches the cage.

1.2 Rear derailleur

The rear derailleur (refer to Fig 2) section contains the sprockets for the different gear changes. When the cable clamp bolt is tight, it holds the shift cable in its position. A screwed bolt holds the tension wheel.

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

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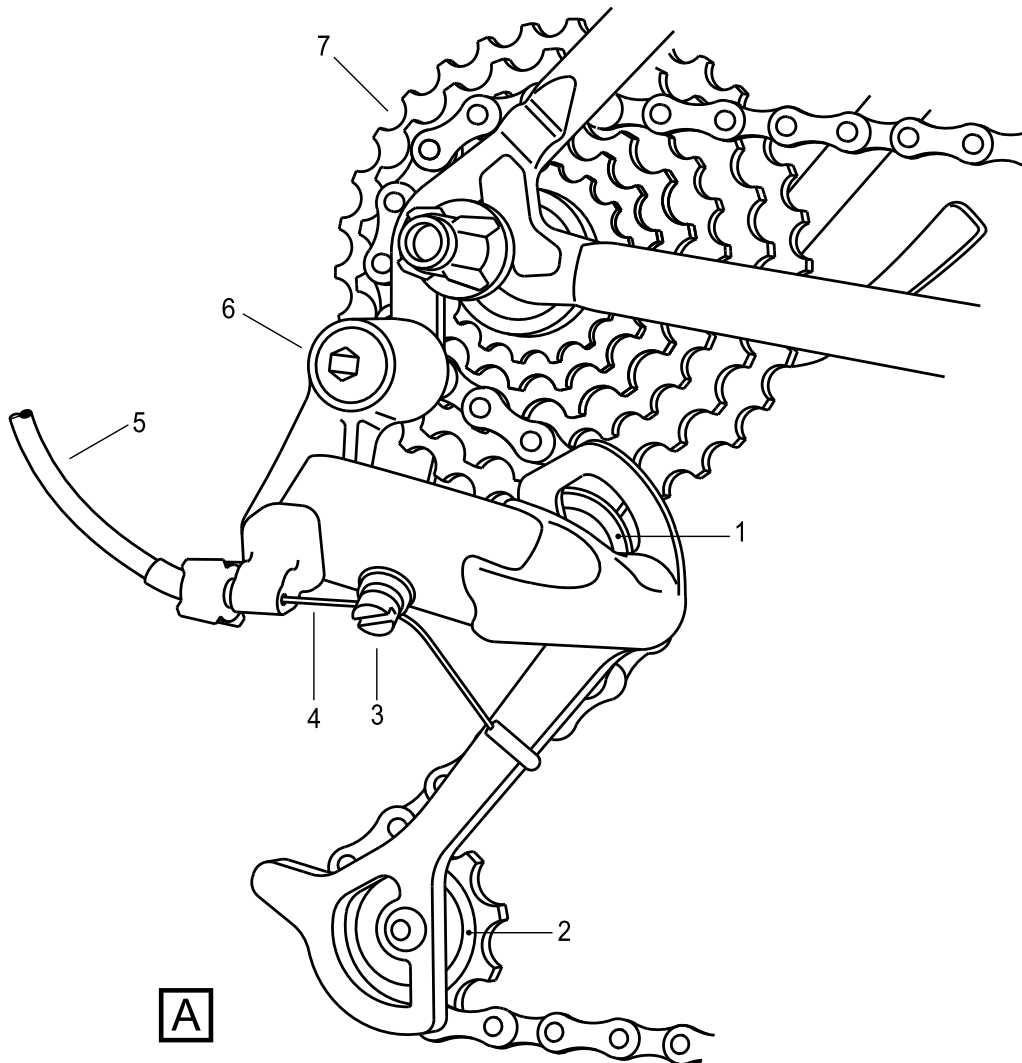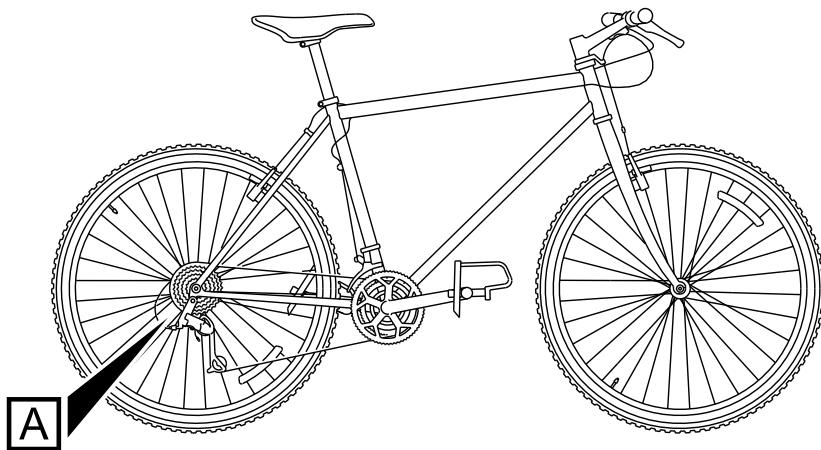
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Fig 2 Rear derailleur

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

The derailleur mounting bolt connects the derailleur to the frame. When the user attaches this bolt, this makes sure that the cage plates are parallel with the chain rings.

The guide wheel has the function to move the chain with the derailleur. It moves the chain from one sprocket to the other. The guide wheel must not move on its axis. If this occurs, there will be wear on the wheel. The position of the guide wheel is below the largest sprocket.

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Hubs

Clean with degreasing agent

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References

Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
Rear wheel removed	S1000DBIKE-AAA-DA0-20-00-00AA-520A-A

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

S1000DBIKE-AAA-DA5-20-00-00AA-251C-A

Required persons

Table 3 Required persons

Persons	Category	Skill level	Trade/Trade code	Estimated time
Man B	Supervisor	Advanced	Bicycle mechanic	0,8 h
Man A	Basic user		Operator	0,3 h

Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
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
Degreasing agent	MFR: KZ222 /PN: LL-004	As required	
General grease	MFR: KZ222 /PN: LL-005	As required	

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Procedure

1   Remove the axle.

1.1   Use the cone-wrench from the Specialist toolset and remove the locknut from one side of the axle.

1.2   Remove the washer and the cone from the axle.

Docuneering

1.3

CAUTION

Make sure you do not lose the bearings from the hub. Be prepared to catch the bearings if they fall out. Missing bearings can cause damage to the hub.

Pull the axle out from the other side as shown in Fig 1 .

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

S1000DBIKE-AAA-DA5-20-00-00AA-251C-A

A
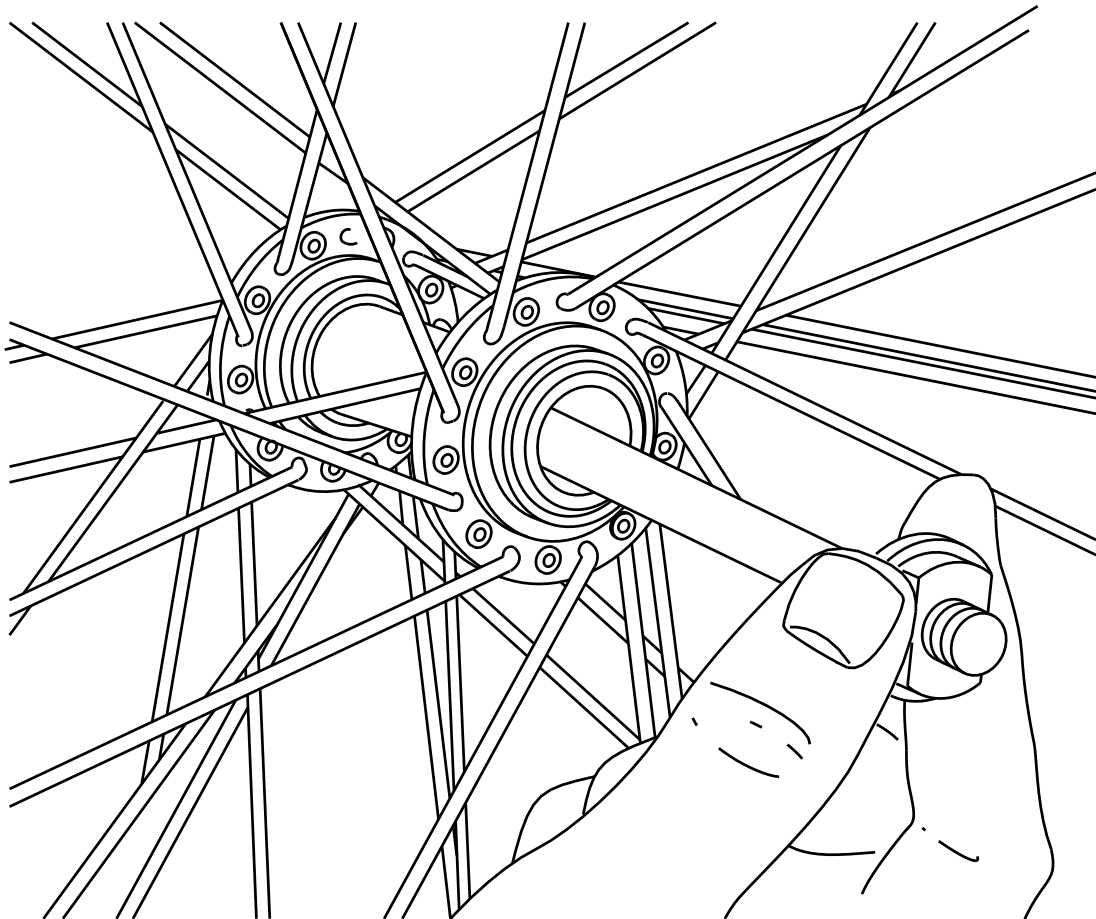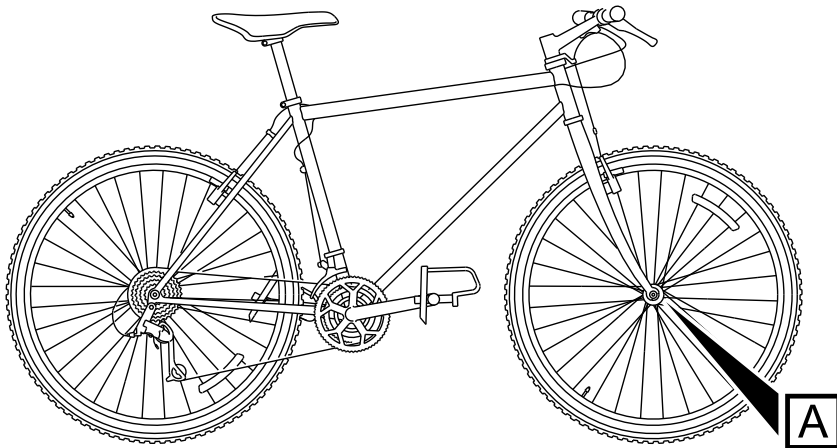
ICN-S1000DBIKE-AAA-DA52000-0-U8025-00524-A-04-1

Fig 1 Removing the axle

S1000DBIKE-AAA-DA5-20-00-00AA-251C-A

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

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2		Remove the bearings.
2.1		Use a small screwdriver from the Specialist toolset and remove the bearings from their races.
2.2		Make sure that each side of the hub has the same number of bearings.
2.3		Use the Degreasing agent and clean all the parts of the hub.
2.4		Do a check of the axle to make sure that it is straight.
2.5		Examine the bearing contact area on the cones and the races in the hub for pitting and other signs of damage.
2.6		Do a check of the ball bearings for signs of damage.
2.7		Apply a large quantity of General grease on each hub race.
3		Assemble the hub.
3.1		Install the ball bearings into the races and push them into the grease.
3.2		Apply more grease on the tops of the bearings.
3.3		Install the axle through the hub.
3.4		Install the cone, the washer and the locknut on the other side of the axle.
3.5		Use the cone-wrench from the specialist toolset and carefully tighten the locknut.

Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
None	

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

S1000DBIKE-AAA-DA5-20-00-00AA-251C-A

End of data module

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Docuneering

Shifters

Description of how it is made

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References

Table 1 References

Data module / Technical publication	Title
None	

Description

1   Shifters

The thumb shifter is a usual type in modern bicycles. It is possible to adjust this type of shifter for operation in the index position or in the friction position. The differences between the two are:

- The index shifters change the gears with a click of a lever.
- The friction shifters hold the derailleur in its position by friction.

The thumb shifters (refer to Fig 1) are held on the bicycle with a screw. The paragraph that follows gives a description of a thumb shifter.

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

S1000DBIKE-AAA-DA5-30-00-00AA-041A-A
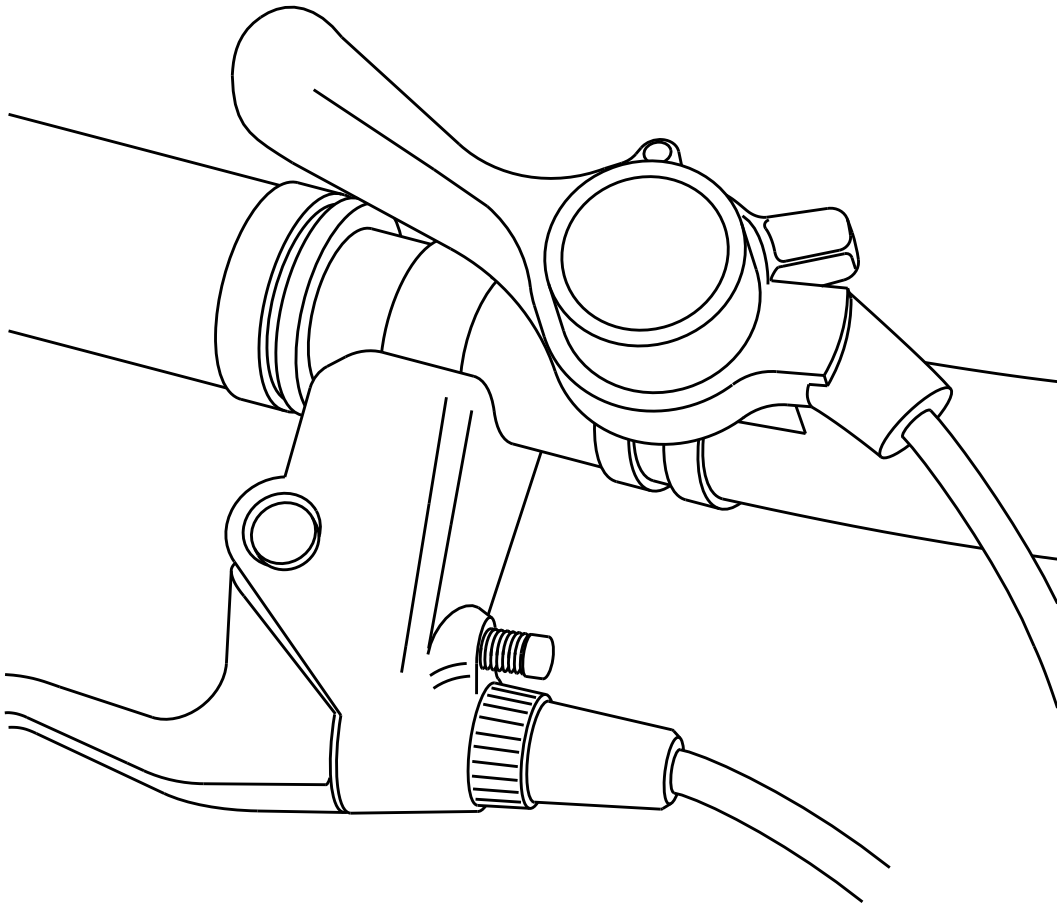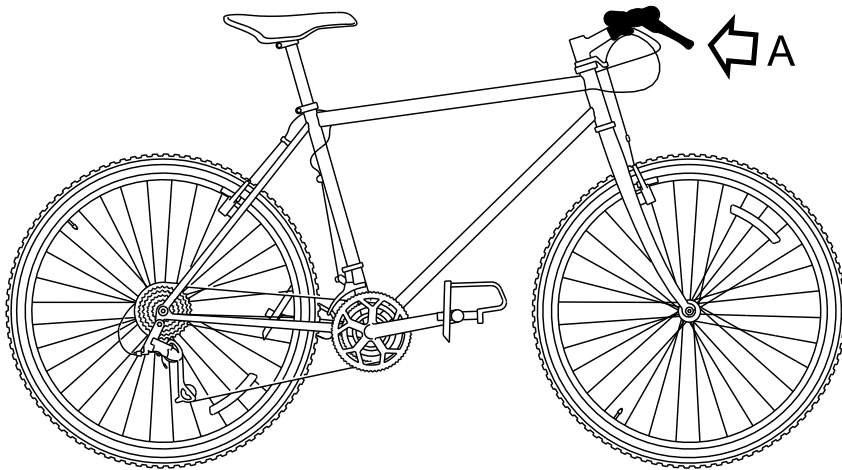
ICN-S1000DBIKE-AAA-DA53000-0-U8025-00535-A-04-1

Fig 1 Thumb shifter index type

S1000DBIKE-AAA-DA5-30-00-00AA-041A-A

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

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2 How a thumb shifter is made up

A wing nut (refer to Fig 2) from the top of the lever holds the thumb shifter. The lever is on top of the mount and the mount is on the handle bar with a nut. To remove the mount, it is necessary to loosen the nut of two turns (refer to Fig 3), then the mount can move from the handle bar from the top of the lever. The lever sits on top of the mount and the mount is fixed into pace on the handle bar by a nut.
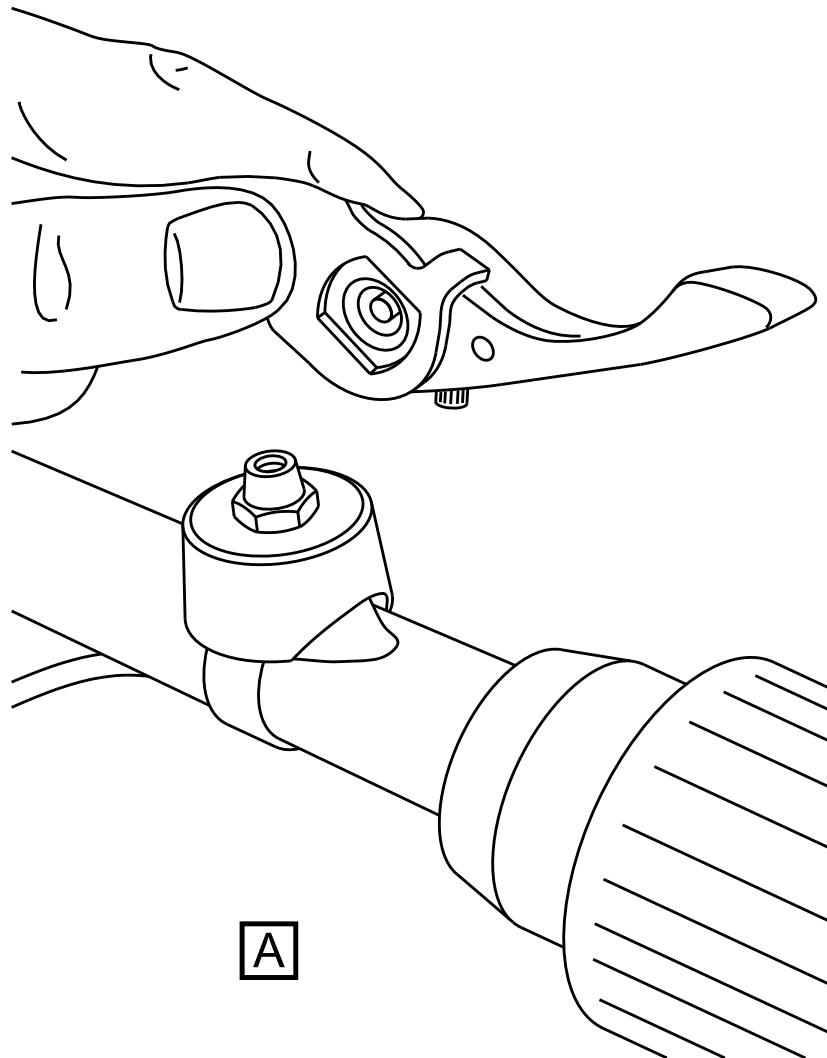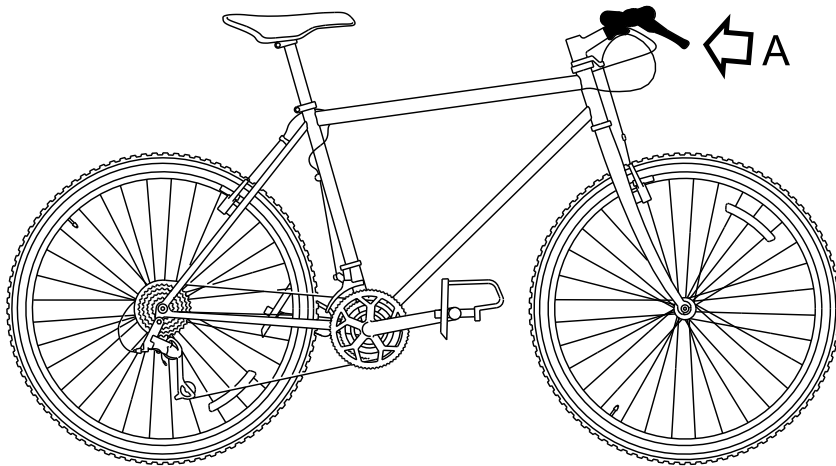
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ICN-S1000DBIKE-AAA-DA53000-0-U8025-00525-A-04-1

Fig 2 Unscrew wingnut

S1000DBIKE-AAA-DA5-30-00-00AA-041A-A

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

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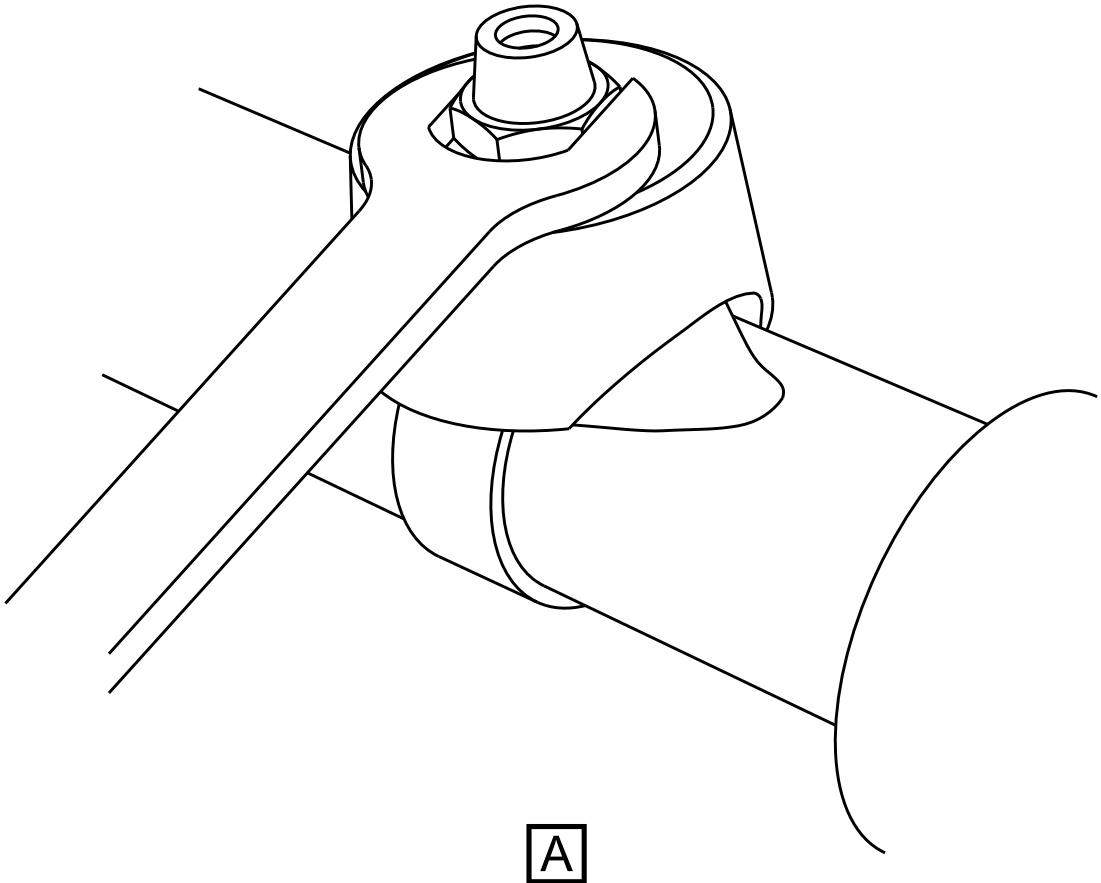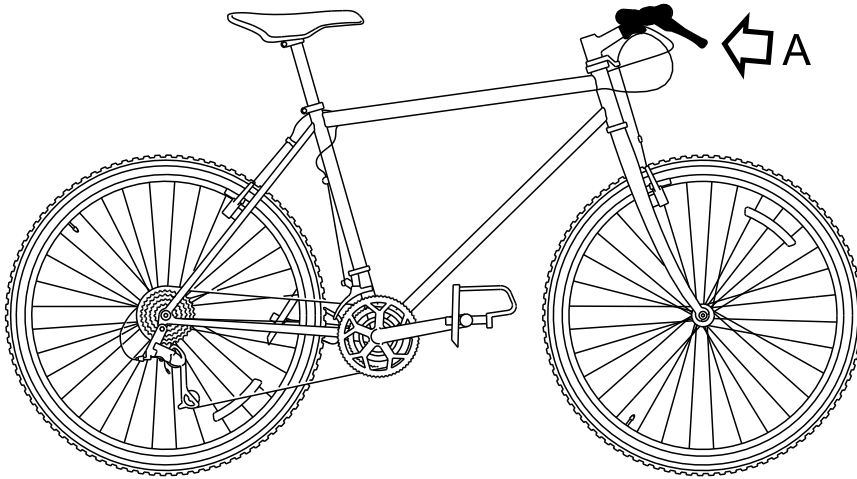
ICN-S1000DBIKE-AAA-DA53000-0-U8025-00526-A-04-1

Fig 3 Loosen the nut

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

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On modern models of this shifter, there is a clamp bolt that holds the shifter in its position (refer to Fig 4). The user can loosen the clamp bolt with an applicable tool. This lets the shifter release the handlebar.

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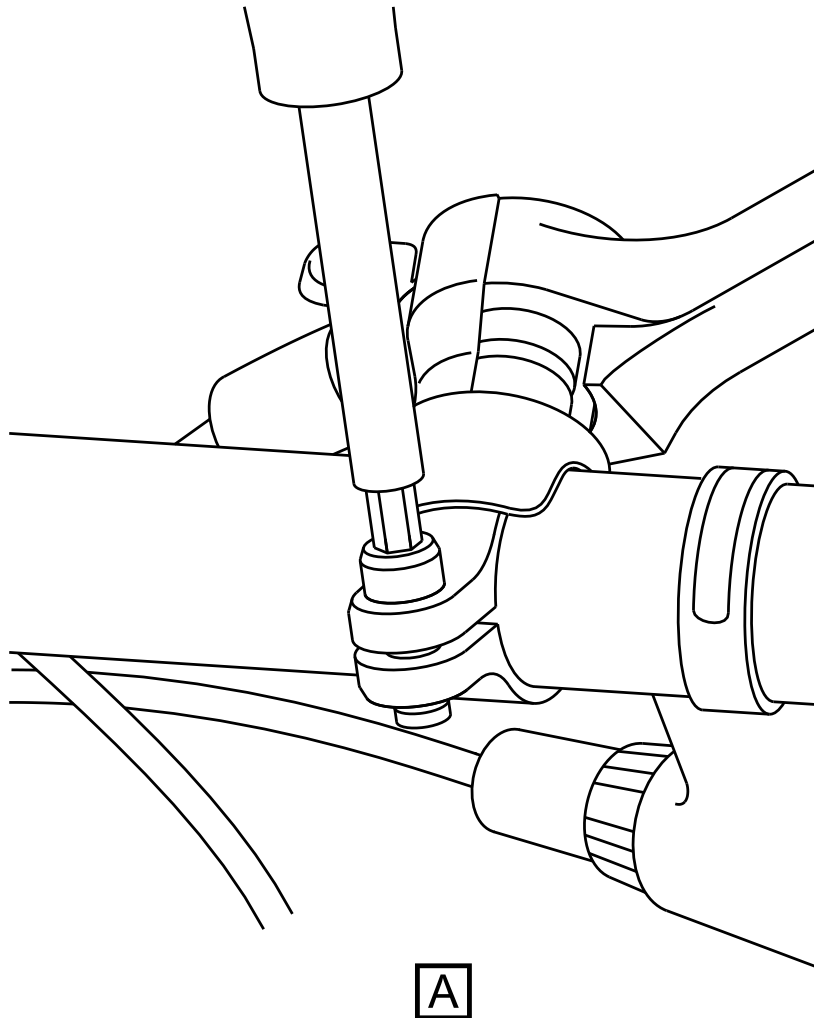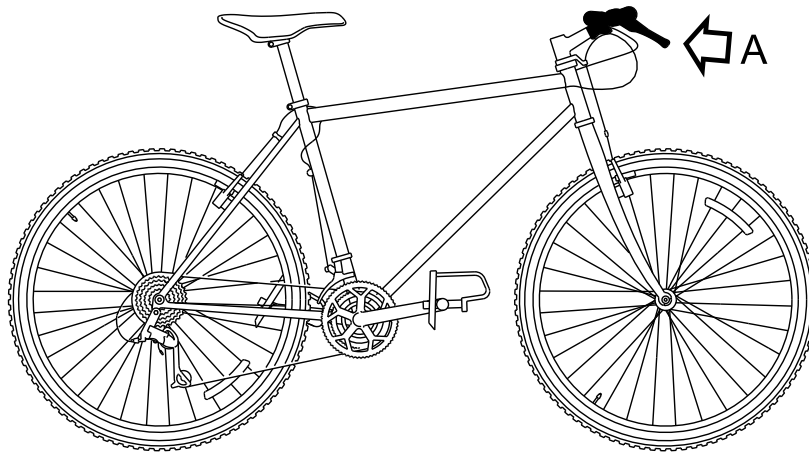
ICN-S1000DBIKE-AAA-DA53000-0-U8025-00527-A-04-1

Fig 4 Loosen the shifter clamp bolt

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

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End of data module

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Mountain bicycle

Applicability cross-reference table

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Table 1 References

Data module / Technical publication	Title
None	

Applicability cross-reference table

Table 3 Product attribute list

Name	Description	Data type	Values
Display name (Id)		**Value pattern**	
Brake serial number	Serial number by brake	String	
B/SN (serialno)			
Model	The model of the brake	String	BR01|BR02
(model)			SS-11

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Brake system

Description of how it is made

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Table 1 References

Data module / Technical publication	Title
None	

Description

1 Brake system

The most important part of the bicycle is the brake system. Only a minimum maintenance of the brake system is necessary. But, when a problem does occur, make sure you to do the necessary maintenance as quickly as possible. If you do not do this the bicycle will be dangerous to use.

There are nine different types of brake systems. The one found on most bicycles is the cantilever brake (refer to Para 1.1).

1.1 Cantilever brake

The brake system (refer to Fig 1) has these primary components:

    the brake lever (refer to Para 1.3)
    the brake cable

Applicable to: serialNo:
0001~0008 and model: BR01

BRAKE-AAA-DA1-00-00-00AA-041A-A

the brake arm
the brake clamp (also known as callipers)
the brake pads (refer to Para 1.2)

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ICN-S1000DBIKE-AAA-DA10000-0-U8025-00512-A-04-1

Fig 1 Cantilever brake with straddle cable

Applicable to: serialNo:
0001~0008 and model: BR01

BRAKE-AAA-DA1-00-00-00AA-041A-A

A cable that goes from the brake levers on the handlebars pulls the two levers on the brakes together. This presses the brake pads against the outer rim of the wheel, which decreases the speed of the bicycle.

1.2 Brake pads

There are four brake pads (refer to Fig 2) on the bicycle. Two are found on the front wheel and two on the rear wheel. The brake pads are made out of hard wearing rubber. The pads press against the rim of the wheel to cause friction when the you operate the brake levers.

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ICN-S1000DBIKE-AAA-DA10000-0-U8025-00513-A-04-1

Fig 2 Exploded diagram of a brake

1.3 Brake lever

The brake levers (refer to Fig 3) are easily damaged. The lever is installed in the mount. A clamp bolt holds the mount. This bolt is not visible because it is found in the mount. The lever turns on a lever pivot bolt. The adjuster lock nut holds the brake cable. This lock nut adjusts the tension of the cable.

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ICN-S1000DBIKE-AAA-DA10000-0-U8025-00514-A-04-1

Fig 3 Typical components of a mountain bicycle lever

Applicable to: serialNo:
0001~0008 and model: BR01

BRAKE-AAA-DA1-00-00-00AA-041A-A

The left brake lever holds the brake pads on the front wheel and the right brake pads hold the brakes on the rear wheel.

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Brake system

Manual test

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References

Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Required persons

Table 3 Required persons

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

Applicable to: serialNo: 0111
and model: SS-11

BRAKE-AAA-DA1-00-00-00AA-341A-A

Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
None			

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Procedure

1   Put the bicycle in a vertical position.

2   Hold the handle bars and push the bicycle forwards.

3   Apply the brakes.

4   Make sure that the wheels lock and the bicycle stops.

Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
None	

BRAKE-AAA-DA1-00-00-00AA-341A-A   Applicable to: serialNo: 0111
                                                              and model: SS-11
End of data module

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Brake pads

Clean with rubbing alcohol

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Table 1 References

Data module / Technical publication	Title
S1000DBIKE-AAA-D00-00-00-00AA-121A-A	Bicycle – Pre-operation procedures (crew)

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Required persons

Table 3 Required persons

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

BRAKE-AAA-DA1-10-00-00AA-251A-A

Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
None			

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
Rubbing alcohol	MFR: KZ222 /PN: LL-002	As required	

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Procedure

1   Do a visual inspection of the brakes as given in the pre-ride checks (refer to S1000DBIKE-AAA-D00-00-00-00AA-121A-A).

2   Clean the brake pads.

2.1   Find each of the brake pads.

2.2   Apply a thin layer of the Rubbing alcohol on each of the brake pads.

2.3   Rub the surface until you have applied the Rubbing alcohol to the complete surface of the pad.

2.4   Remove the unwanted alcohol.

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Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
None	

Applicable to: serialNo: 0010|
0023|0056~0062 and model:
BR02

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End of data module
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Lighting

Functional item numbers common information repository

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References

Table 1 References

Data module / Technical publication	Title
None	

Functional items repository

1   Batt

Functional item number:......................................Batt
Type:... Exact
Installation identifier:..ELO-Box
Context identification:...PN-AC-12561
Manufactorer code:...F0001
Originator:.. Manufacturer
Name:...Battery

Alternatives:

Applicable to: *Mountain storm Mk1*

–   **Functional item**

    Normative component:................................Yes
    Location:.. Section: 21 cm

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

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2 C_Batt

Functional item number:....................................C_Batt

Type:.. Exact

Installation identifier:... ELO-Box

Context identification:..PN-AC-12561

Manufactorer code:...F0001

Originator:.. Manufacturer

Name:...Connector

Alternatives:

Applicable to: Mountain storm Mk1

– **Functional item**

Sealed:..Yes

Location:... Zone 300

3 C_Bike

Functional item number:....................................C_Bike

Type:.. Exact

Installation identifier:... ELO-Box

Name:...Receptacle

Alternatives:

Applicable to: Mountain storm Mk1

– **Functional item**

Normative component:...............................Yes

Location:... instloctyp60: 60 cm

4 Diode

Functional item number:....................................Diode

Type:.. Exact

Installation identifier:... d1

Name:...Diode

Alternatives:

Applicable to: Mountain storm Mk1

– **Functional item**

Normative component:...............................Yes

Location:... Zone 100

S1000DLIGHTING-AAA-D00-00-00-00AA-00EA-D

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

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5 Diode

Functional item number:...................................Diode
Type:.. Exact
Installation identifier:..d2
Name:...Diode
Alternatives:
Applicable to: Mountain storm Mk1
– **Functional item**
Normative component:...............................Yes
Location:.. Zone 300

6 ELO-Box

Functional item number:...................................ELO-Box
Type:... Exact
Name:...Electronic Box 01
Alternatives:
Applicable to: Mountain storm Mk1
– **Functional item**
Normative component:...............................Yes
Location:.. instloctyp60: 45 cm
Family:.. Electronic Unit

7 FT1

Functional item number:...................................FT1
Type:... Exact
Installation identifier:.. ELO-Box
Name:...GT-002-WD
Alternatives:
Applicable to: Mountain storm Mk1
– **Functional item**
Normative component:...............................Yes
Location:.. instloctyp60: 10 cm

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

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8   FT2

Functional item number:....................................FT2

Type:.. Exact

Installation identifier:... ELO-Box

Name:..GT-004-WD

Alternatives:

Applicable to: *Mountain storm Mk1*

–   **Functional item**

Normative component:................................Yes

Location:... instloctyp60: 10 cm

9   FT3

Functional item number:....................................FT3

Type:.. Exact

Installation identifier:... ELO-Box

Name:..GT-004-WD

Alternatives:

Applicable to: *Mountain storm Mk1*

–   **Functional item**

Normative component:................................Yes

Location:... instloctyp60: 10 cm

10   Gen

Functional item number:....................................Gen

Type:.. Exact

Name:..Generator

Alternatives:

Applicable to: *Mountain storm Mk1*

–   **Functional item**

Normative component:................................Yes

Location:... Zone 200

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

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11   L1

Functional item number:....................................L1

Type:..Exact

Name:...Front light

Alternatives:

Applicable to: Mountain storm Mk1

–   **Functional item**

Normative component:...............................Yes

Location:.. Buttock line: 55 cm

Family:... lights

12   L2

Functional item number:....................................L2

Type:.. Exact

Name:...Rear light

Alternatives:

Applicable to: Mountain storm Mk1

–   **Functional item**

Normative component:...............................Yes

Location:.. Zone Buttock line: 30 cm

Family:... lights

13   Rel

Functional item number:.................................... Rel

Type:.. Exact

Installation identifier:.. ELO-BOX

Name:...Relay

Alternatives:

Applicable to: Mountain storm Mk1

–   **Functional item**

Normative component:...............................Yes

Location:.. instloctyp60: 95 cm

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

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14 S1

Functional item number:....................................S1

Type:.. Exact

Installation identifier:... ELO-Box

Name:...Switch

Alternatives:

Applicable to: *Mountain storm Mk1*

– **Functional item**

Normative component:...............................Yes

Location:... Water line: 30 cm

15 Sensor

Functional item number:....................................Sensor

Type:.. Exact

Name:...Speed sensor

Alternatives:

Applicable to: *Mountain storm Mk1*

– **Functional item**

Normative component:...............................Yes

Location:... Water line: 2 cm

16 T01

Functional item number:....................................T01

Type:.. Exact

Name:...Tachometer

Alternatives:

Applicable to: *Mountain storm Mk1*

– **Functional item**

Normative component:...............................Yes

Location:... Water line: 6 cm

17 VV1

Functional item number:....................................VV1

Type:.. Exact

Installation identifier:... ELO-Box

Name:...Distribution module

Alternatives:

Applicable to: *Mountain storm Mk1*

– **Functional item**

Normative component:...............................Yes

Location:... instloctyp60: 25 cm

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

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End of data module

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Lighting

Parts common information repository

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References

Table 1 References

Data module / Technical publication	Title
None	

Parts repository

1   LIRUS-B1-12F

Part number:..LIRUS-B1-12F

Manufactorer code:..KZ777

Description for part:.. Front Bulb

Procurement data
    Enterprises:...F0001

Technical data
    Part usage:... Basic issue item

2   LIRUS-B1-12R

Part number:..LIRUS-B1-12R

Manufactorer code:..KZ777

Description for part:.. Rear Bulb

Procurement data
    Enterprises:...F0001

Technical data
    Part usage:... Basic issue item

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

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3 LIRUS-G1-10

Part number:.......................................LIRUS-G1-10

Manufactorer code:.............................KZ777

Description for part:............................ Glass

Procurement data
Enterprises:................................F0001

Technical data
Part usage:................................. Basic issue item

4 LIRUS-G1-10H

Part number:.......................................LIRUS-G1-10H

Manufactorer code:.............................KZ777

Description for part:............................ Glass with hole

Procurement data
Enterprises:................................F0001

Technical data
Part usage:................................. Basic issue item

5 LIRUS-L1-10

Part number:.......................................LIRUS-L1-10

Manufactorer code:.............................KZ777

Description for part:............................ Battery

Procurement data
Enterprises:................................F0001

Technical data
Part usage:................................. Basic issue item

Special storage:.......................... Yes

6 LIRUS-L1-11

Part number:.......................................LIRUS-L1-11

Manufactorer code:.............................KZ777

Description for part:............................ Bulb

Procurement data
Enterprises:................................F0001

Technical data
Part usage:................................. Basic issue item

Special storage:.......................... Yes

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

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7 LIRUs-L1-11

Part number:...LIRUs-L1-11

Manufactorer code:..KZ111

Description for part:...Bulb

Procurement data

Enterprises:..F0001

Technical data

Part usage:.. Basic issue item

Special storage:...Yes

8 LRU-B001

Part number:...LRU-B001

Manufactorer code:..KZ777

Description for part:...Bracket, light mounting

Procurement data

Enterprises:..F0001

Technical data

Part usage:.. Basic issue item

Special storage:...No

9 LRU-B003

Part number:...LRU-B003

Manufactorer code:..KZ777

Description for part:...Clip

Procurement data

Enterprises:..F0001

Technical data

Part usage:.. Basic issue item

Special storage:...No

10 LRU-B124

Part number:...LRU-B124

Manufactorer code:..KZ777

Description for part:...Screw,special

Procurement data

Enterprises:..F0001

Technical data

Part usage:.. Basic issue item

Special storage:...No

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

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11 LRU-B556

Part number:..LRU-B556

Manufactorer code:...KZ777

Description for part:...Washer,flat

Procurement data
　　Enterprises:..F0001

Technical data
　　Part usage:..Basic issue item
　　Special storage:..No

12 LRU-B789

Part number:..LRU-B789

Manufactorer code:...KZ777

Description for part:...Grip,strip

Procurement data
　　Enterprises:..F0001

Technical data
　　Part usage:..Basic issue item
　　Special storage:..No

13 LRU1001

Part number:..LRU1001

Manufactorer code:...KZ777

Description for part:...Light system

Procurement data
　　Enterprises:..F0001

Technical data
　　Part usage:..Basic issue item
　　Special storage:..Yes

14 LRU1010

Part number:..LRU1010

Manufactorer code:...KZ777

Description for part:...Light, sub-assembly front

Procurement data
　　Enterprises:..F0001

Technical data
　　Part usage:..Basic issue item
　　Special storage:..Yes

S1000DLIGHTING-AAA-D00-00-00-00AA-00GA-D　　　Applicable to: Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

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15   LRU1011

Part number:..LRU1011

Manufactorer code:...KZ777

Description for part:...Light, main body

Procurement data

    Enterprises:..F0001

Technical data

    Part usage:.. Basic issue item

    Special storage:..No

16   LRU1012

Part number:..LRU1012

Manufactorer code:...KZ777

Description for part:...Light, base

Procurement data

    Enterprises:..F0001

Technical data

    Part usage:.. Basic issue item

    Special storage:..No

17   LRU1013

Part number:..LRU1013

Manufactorer code:...KZ777

Description for part:... Seal

Procurement data

    Enterprises:..F0001

Technical data

    Part usage:.. Basic issue item

    Special storage:..No

18   LRU1018

Part number:..LRU1018

Manufactorer code:...KZ777

Description for part:...Lens, assembly

Procurement data

    Enterprises:..F0001

Technical data

    Part usage:.. Basic issue item

    Special storage:..No

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

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19 LRU1019

Part number:...LRU1019

Manufactorer code:...KZ777

Description for part:... Lens sub-assembly

Procurement data

Enterprises:..F0001

Technical data

Part usage:.. Basic issue item

Special storage:...No

20 LRU1020

Part number:...LRU1020

Manufactorer code:...KZ777

Description for part:... Reflector

Procurement data

Enterprises:..F0001

Technical data

Part usage:.. Basic issue item

Special storage:...No

21 LRU1022

Part number:...LRU1022

Manufactorer code:...KZ777

Description for part:... Seal

Procurement data

Enterprises:..F0001

Technical data

Part usage:.. Basic issue item

Special storage:...No

22 LRU1026

Part number:...LRU1026

Manufactorer code:...KZ777

Description for part:... Loom wiring

Procurement data

Enterprises:..F0001

Technical data

Part usage:.. Basic issue item

Special storage:...No

Docuneering

23   LRU2010

Part number:...LRU2010

Manufactorer code:...KZ777

Description for part:...Light, sub assembly rear

Procurement data

Enterprises:..F0001

Technical data

Part usage:...Basic issue item

24   LRU2018

Part number:...LRU2018

Manufactorer code:...KZ777

Description for part:...Lens, assembly rear

Procurement data

Enterprises:..F0001

Technical data

Part usage:...Basic issue item

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

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End of data module

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Docuneering

Lighting

Zones common information repository

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Table 1 References

Data module / Technical publication	Title
None	

Zones repository

1   100

Type:..	Major zone
Zone number:...	100
contains:...	110

Alternatives:
***Applicable to:** Brook trekker Mk9*

–   **Zone**

Description:.. FRONT ZONE BEGINS BY FRONT TIRE. IT STARTS FROM LENGTH "0 cm" TO LENGTH "50 cm"

2   110

Type:..	Subzone
Zone number:...	110
contains:...	100

Alternatives:
***Applicable to:** Brook trekker Mk9*

–   **Zone**

Description:.. TIRE ZONE INCLUDING THE FRONT TIRE, THE INNER TUBE AND THE SPOKES

3 200

  Type:.. Major zone

  Zone number:.. 200

Alternatives:

***Applicable to:** Brook trekker Mk9*

 – **Zone**

   Description:.. MIDDLE ZONE. IT STARTS FROM LENGTH "50 cm" TO LENGTH "100 cm"

4 300

  Type:.. Major zone

  Zone number:.. 300

Alternatives:

***Applicable to:** Mountain storm Mk1*

 – **Zone**

   Description:.. BACK ZONE. IT STARTS FROM LENGTH "100 cm" TO LENGTH "150 cm"

Docuneering

Lighting

Support equipment common information repository

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Table 1 References

Data module / Technical publication	Title
None	

Tools repository

1   BSK-TLST-001

Tool number:..BSK-TLST-001
Manufactorer code:...KZ666
Description for part:...Specialist toolset Descr
Short name:...Specialist toolset
Procurement data
Technical data
    Quantity:...1
Alternatives:
–   **Tool**
    Description:..Specialist toolset Descr

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

S1000DLIGHTING-AAA-D00-00-00-00AA-00NA-D

2 BSK-TLST-001-01

Tool number:.......................................BSK-TLST-001-01

Manufactorer code:...............................KZ666

Description for part:............................. Tire pressure gauge Descr

Short name:....................................... Tire pressure gauge

Procurement data
Technical data
    Quantity:......................................1

Alternatives:
– **Tool**
    Description:................................. Tire pressure gauge Descr

3 BSK-TLST-001-02

Tool number:.......................................BSK-TLST-001-02

Manufactorer code:...............................KZ666

Description for part:............................. Stiff bristle brus Descr

Short name:....................................... Stiff bristle brush

Procurement data
Technical data
    Quantity:......................................1

Alternatives:
– **Tool**
    Description:................................. Stiff bristle brush Descr

4 BSK-TLST-001-03

Tool number:.......................................BSK-TLST-001-03

Manufactorer code:...............................KZ666

Description for part:............................. Chain cleaning tool Descr

Short name:....................................... Chain cleaning tool

Procurement data
Technical data
    Quantity:......................................1

Alternatives:
– **Tool**
    Description:................................. Chain cleaning tool Descr

5 BSK-TLST-001-04

Tool number:...BSK-TLST-001-04

Manufactorer code:...KZ666

Description for part:... Tire lever Descr

Short name:.. Tire lever

Procurement data
Technical data
Quantity:...1

Alternatives:
– **Tool**
Description:... Tire lever Descr

6 BSK-TLST-001-05

Tool number:... BSK-TLST-001-05

Manufactorer code:...KZ666

Description for part:... Foot pump Descr

Short name:.. Foot pump

Procurement data
Technical data
Quantity:...1

Alternatives:
– **Tool**
Description:... Foot pump Descr

7 BSK-TLST-001-07

Tool number:... BSK-TLST-001-07

Manufactorer code:...KZ666

Description for part:... Marker pen Descr

Short name:.. Marker pen

Procurement data
Technical data
Quantity:...1

Alternatives:
– **Tool**
Description:... Marker pen Descr

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

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8 BSK-TLST-001-07

Tool number:...BSK-TLST-001-07

Manufactorer code:...KZ666

Description for part:... Tube patch kit Descr

Short name:.. Tube patch kit

Procurement data
Technical data

    Quantity:..1

Alternatives:

–   **Tool**

    Description:.. Tube patch kit Descr

9 BSK-TLST-001-08

Tool number:...BSK-TLST-001-08

Manufactorer code:...KZ666

Description for part:... 8mm Allen wrench Descr

Short name:.. 8mm Allen wrench

Procurement data
Technical data

    Quantity:..1

Alternatives:

–   **Tool**

    Description:.. 8mm Allen wrench Descr

10 BSK-TLST-001-09

Tool number:...BSK-TLST-001-09

Manufactorer code:...KZ666

Description for part:... Water hose Descr

Short name:.. Water hose

Procurement data
Technical data

    Quantity:..1

Alternatives:

–   **Tool**

    Description:.. Water hose Descr

S1000DLIGHTING-AAA-D00-00-00-00AA-00NA-D

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

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11 BSK-TLST-001-11

Tool number:..BSK-TLST-001-11

Manufactorer code:...KZ666

Description for part:... Sponge Descr

Short name:... Sponge

Procurement data
Technical data
     Quantity:..1

Alternatives:

  –   **Tool**

      Description:... Sponge Descr

12 BSK-TLST-001-12

Tool number:.. BSK-TLST-001-12

Manufactorer code:...KZ666

Description for part:... Clean dry cloth Descr

Short name:... Clean dry cloth

Procurement data
Technical data
     Quantity:..1

Alternatives:

  –   **Tool**

      Description:... Clean dry cloth Descr

13 BSK-TLST-001-13

Tool number:.. BSK-TLST-001-13

Manufactorer code:...KZ666

Description for part:... Set of Allen wrenches Descr

Short name:... Set of Allen wrenches

Procurement data
Technical data
     Quantity:..1

Alternatives:

  –   **Tool**

      Description:... Set of Allen wrenches Descr

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

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14 BSK-TLST-999-01

Tool number:...BSK-TLST-999-01

Manufactorer code:...KZ666

Description for part:...Test stand Descr

Short name:...Test stand

Procurement data
Technical data

Quantity:...1

Alternatives:

– **Tool**

Description:...Test stand Descr

15 HSP-D001

Tool number:...HSP-D001

Manufactorer code:...HS111

Description for part:...Extra firm hold hairspray Descr

Short name:...Extra firm hold hairspray

Procurement data
Technical data

Quantity:...1

Alternatives:

– **Tool**

Description:...Extra firm hold hairspray Descr

16 LL-003

Tool number:...LL-003

Manufactorer code:...KZ222

Description for part:...Chain cleaning fluid Descr

Short name:...Chain cleaning fluid

Procurement data
Technical data

Quantity:...As required

Alternatives:

– **Tool**

Description:...Chain cleaning fluid Descr

S1000DLIGHTING-AAA-D00-00-00-00AA-00NA-D

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

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17   PPP-001

Tool number:..PPP-001

Manufactorer code:...KK999

Description for part:..Floor covering Descr

Short name:...Floor covering

Procurement data
Technical data

 Quantity:..1

Alternatives:

– **Tool**

 Description:...Floor covering Descr

18   Stand-001

Tool number:...Stand-001

Manufactorer code:..KZ666

Description for part:...Work stand Descr

Short name:..Work stand

Procurement data
Technical data

 Quantity:...1

Alternatives:

– **Tool**

 Description:..Work stand Descr

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

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End of data module

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Docuneering

Wiring data

Field description

This is a "wrngflds" Data Module

**The Docuneering S1000D XSL-FO Stylesheets
do not yet support the "wrngflds" Data Module**

This is a draft copy of Issue 000-01
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Applicable to: Mountain bicycle
and (Mountain storm Mk1 or
Brook trekker Mk9)

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Electrical system

Description of how it is made and its function

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Table 1 References

Data module / Technical publication	Title
None	

Description

1   Lighting system

The illustration that follows (see Fig 1) shows the lighting system of the bicycle.

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

S1000DLIGHTING-AAA-D00-00-00-00AA-040A-A

S1

Rel

Bat

Gen

G

L1

L2
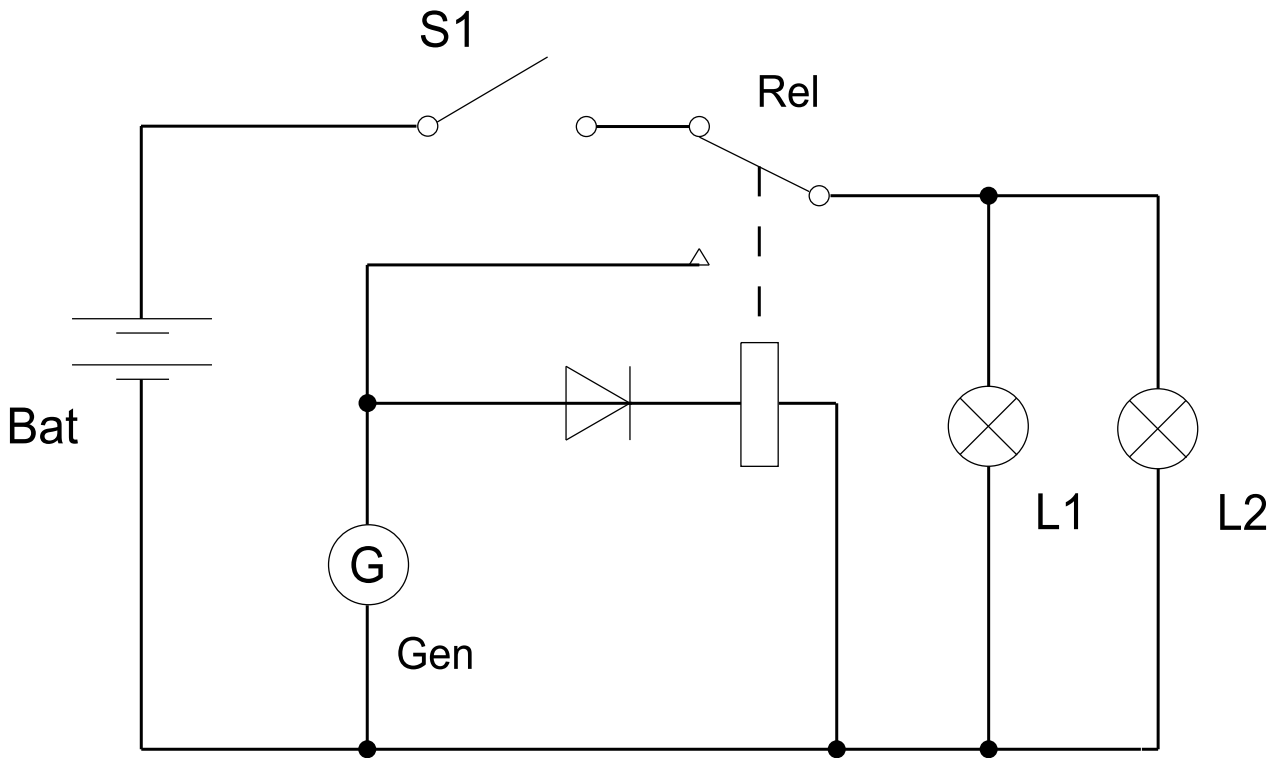
ICN-S1000DBIKE-AAA-DA24000-0-C0419-12345-A-04-1

Fig 1 Lighting system

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End of data module

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

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Wiring

Equipment lists

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Table 1   References

Data module / Technical publication	Title
None	

Wiring data

Ident	CLC	Qty	Information	Installation	Applicability

L1
PN: Front light
	16		RPC:
			  CAGE: U8025
			  Name: UK MoD
				• Locations:
				  - Handle bars
					Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

L2
PN: Rear light
	16		RPC:
			  CAGE: U8025
			  Name: UK MoD
				• Locations:
				  - Seat post
					Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

Batt
PN: Battery
	16		RPC:
			  CAGE: U8025
			  Name: UK MoD
				• Locations:
				  - Frame
				NHA: FIN ELO-Box
					Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

Gen
PN: Generator
	16		RPC:
			  CAGE: U8025
			  Name: UK MoD
				• Locations:
				  - Steering tube
					Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

Rel
PN: Relay
	10		RPC:
			  CAGE: U8025
			  Name: UK MoD
				• Locations:
				  - Frame
				NHA: FIN ELO-Box
					Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

Docuneering

(Continued)

Ident	CLC	Qty	Information	Installation	Applicability
VV1 PN: Distribution module	07		Transverse link: - Contacts: - 1 + - 2 + - 3 + - 4 + - Contacts: - 1 - - 2 - - 3 - - 4 - RPC: CAGE: U8025 Name: UK MoD	• Locations: - Frame NHA: FIN ELO-Box	Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
S1 PN: Switch	15		RPC: CAGE: U8025 Name: UK MoD	• Locations: - Handle bars NHA: FIN ELO-Box	Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
C_Batt PN: Connector	3		RPC: CAGE: U8025 Name: UK MoD	• Locations: - Frame Sibling plug id: FIN C_Bike NHA: FIN ELO-Box	Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
C_Bike PN: Receptacle	3		RPC: CAGE: U8025 Name: UK MoD	• Locations: - Frame Sibling plug id: FIN C_Batt NHA: FIN ELO-Box	Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Diode PN: Diode	18	2	RPC: CAGE: U8025 Name: UK MoD	• Install id: d1 Locations: - Frame NHA: FIN ELO-Box Pos. on NHA: Mount position: LH • Install id: d2 Locations: - Frame NHA: FIN ELO-Box Pos. on NHA: Mount position: RH	Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Sensor PN: Speed sensor	16		RPC: CAGE: U8025 Name: UK MoD	• Locations: - Steering tube	Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
T01 PN: Tachometer	16		RPC: CAGE: U8025 Name: UK MoD	• Locations: - Handle bars	Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

Ident	CLC	Qty	Information	Installation	Applicability
			(Continued)		

ELO-Box
PN: Electronic
Box 01
	13		Max mount. pos.: 5
			RPC:
			  CAGE: U8025
			  Name: UK MoD
				• Locations:
				  - Frame
					Mountain bicycle and
					(Mountain storm Mk1
					or Brook trekker Mk9)

FT1
PN: GT-002-WD
	11		RPC:
			  CAGE: U8025
			  Name: UK MoD
				• Locations:
				  - Frame
				NHA: FIN ELO-Box
				Pos. on NHA:
				  Mount position: P1
					Mountain bicycle and
					(Mountain storm Mk1
					or Brook trekker Mk9)

FT2
PN: GT-004-WD
	11		RPC:
			  CAGE: U8025
			  Name: UK MoD
				• Locations:
				  - Frame
				NHA: FIN ELO-Box
				Pos. on NHA:
				  Mount position: P2
					Mountain bicycle and
					(Mountain storm Mk1
					or Brook trekker Mk9)

FT3
PN: GT-004-WD
	11		RPC:
			  CAGE: U8025
			  Name: UK MoD
				• Locations:
				  - Frame
				NHA: FIN ELO-Box
				Pos. on NHA:
				  Mount position: P3
					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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Docuneering

Wiring

Wire list

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References

Table 1 References

Data module / Technical publication	Title
None	

Wiring data

Ident	Connection		Information	Applicability
	From	**To**		

FL1AA
 	
State: Active
	FIN: L1
	Contact: +
	Wire conn. code:
	  Electrical potential:
	    Contact order: 1
	NA code: 01
		FIN: VV1
		Contact: 1 +
		  PN: P2201-P
		Wire conn. code:
		  Electrical potential:
		    TM grouping: 1
		    Block grouping: 1
		    Shunt grouping:
		    1
		    Contact order: 1
		NA code: 03
			Wire code:
			  Wire type: AP
			  Wire guages:
			  - 010 (proj)
			PN: W2201-K
			Harn. id: Lamp1
			Wire seq. no.: 1
			Circuit: 234
			Section: 567
			Twists:
			- Lamp1
			   Twisting type: 1
			Length: 1000
			Wire color: red
			U8025
			Routing:
			  Feed-throughs:
			    FIN: FT3
			      Hole id: 1
				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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Docuneering

(Continued)

Ident	Connection		Information	Applicability
	From	**To**		

FL2AA
 	
State: Active
	FIN: L1
	Contact: -
	Wire conn. code:
	  Electrical potential:
	    Contact order: 2
	  NA code: 01
		FIN: VV1
		Contact: 1 -
		Wire conn. code:
		  Electrical potential:
		    TM grouping: 1
		    Block grouping: 1
		    Shunt grouping:
		    2
		    Contact order: 5
		  NA code: 03
			Wire code:
			  Wire type: AP
			  Wire guages:
			  - 010 (proj)
			PN: 23-4567
			Harn. id: Lamp1
			Wire seq. no.: 2
			Twists:
			- Lamp1
			  Twisting type: 1
			Length: 1000
			Wire color: blue
			U8025
			Routing:
			  Feed-throughs:
			    FIN: FT3
			      Hole id: 2
				Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

NC1VI
 	
State: Not active
	FIN: VV1
	Contact: 4 +
	Wire conn. code:
	  Electrical potential:
	    TM grouping: 1
	    Block grouping: 1
	    Shunt grouping:
	    1
	    Contact order: 4
	  NA code: 03
				Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

RL1AA
 	
State: Active
	FIN: L2
	Contact: +
	Wire conn. code:
	  Electrical potential:
	    Contact order: 1
	  NA code: 01
		FIN: VV1
		Contact: 2 +
		  PN: P2201-P
		Wire conn. code:
		  Electrical potential:
		    TM grouping: 1
		    Block grouping: 1
		    Shunt grouping:
		    1
		    Contact order: 2
		  NA code: 03
			Wire code:
			  Wire type: AP
			  Wire guages:
			  - 010 (proj)
			Harn. id: Lamp2
			Wire seq. no.: 1
			Circuit: 134
			Section: 467
			Twists:
			- Lamp2
			  Twisting type: 1
			Length: 1500
			Wire color: red
			U8025
			Routing:
			  Feed-throughs:
			    FIN: FT3
			      Hole id: 3
				Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

(Continued)

Ident	Connection		Information	Applicability
	From	**To**		

RL2AA
 	
State: Active
	FIN: L2
	Contact: -
	Wire conn. code:
	  Electrical potential:
	    Contact order: 2
	NA code: 01
		FIN: VV1
		Contact: 2 -
		  PN: P2201-M
		Wire conn. code:
		  Electrical potential:
		    TM grouping: 1
		    Block grouping: 1
		    Shunt grouping:
		    2
		    Contact order: 6
		NA code: 03
			Wire code:
			  Wire type: AP
			  Wire guages:
			  - 010 (proj)
			Harn. id: Lamp2
			Wire seq. no.: 2
			Twists:
			- Lamp2
			   Twisting type: 1
			Length: 1500
			Wire color: blue
			U8025
			Routing:
			  Feed-throughs:
			    FIN: FT3
			    Hole id: 4
				Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

GE2AA
 	
State: Active
	FIN: Gen
	Contact: GND
	Wire conn. code:
	  Electrical potential:
	    Contact order: 2
	  Potential conn.
	  order: 1
	NA code: 01
	Group code: G1-
		FIN: VV1
		Contact: 3 -
		  PN: P2201-M
		Wire conn. code:
		  Electrical potential:
		    TM grouping: 1
		    Block grouping: 1
		    Shunt grouping:
		    2
		    Contact order: 7
		NA code: 03
			Wire code:
			  Wire type: AP
			  Wire guages:
			  - 010 (proj)
			Wire seq. no.: 2
			Length: 500
			U8025
			Routing:
			  Feed-throughs:
			    FIN: FT2
			    Hole id: 2
				Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

BT2AA
  Context: PN-
  AC-12561
  MFG: F0001
  Origin:
  Manufacturer
 	
State: Active
	FIN: Batt
	Contact: -
	  Install direct: A
	Wire conn. code:
	  Electrical potential:
	    Contact order: 2
	NA code: 01
		FIN: C_Batt
		Contact: -
		  Install direct: B
		Wire conn. code:
		  Electrical potential:
		    Contact order: 2
		NA code: 02
			Wire code:
			  Wire type: AP
			  Wire guages:
			  - 010 (proj)
			Harn. id: Batt_01
			  Context: PN-
			  AC-12561
			  MFG: F0001
			  Origin:
			  Manufacturer
			Wire seq. no.: 2
			Twists:
			- Batt
			   Twisting type: 1
			Length: 400 [critical]
			Wire color: black
			U8025
			NHA: FIN ELO-Box
				Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

(Continued)

Ident	Connection		Information	Applicability
	From	**To**		

GE1AA
State: Active
	FIN: Gen
	Wire conn. code:
	  Electrical potential:
	    Contact order: 1
	  Potential conn.
	  order: 1
	NA code: 01
	Group code: G1+
		FIN: Rel
		Contact: 2
		  Function:
		    Generator mode
		Wire conn. code:
		  Electrical potential:
		    Block grouping: 2
		    Shunt grouping:
		    2
		    Contact order:
		    102
		NA code: 04
			Wire code:
			  Wire type: AP
			  Wire guages:
			  - 010 (proj)
			Wire seq. no.: 1
			Length: 500
			U8025
			  Routing:
			    Feed-throughs:
			    FIN: FT2
			      Hole id: 1
				Mountain bicycle
				and (Mountain storm
				Mk1 or Brook trekker
				Mk9)

GE3AA
State: Active
	FIN: Gen
	Wire conn. code:
	  Electrical potential:
	    Contact order: 1
	  Potential conn.
	  order: 2
	NA code: 01
	Group code: G2+
		FIN: Diode
		Contact: A
		Wire conn. code:
		  Electrical potential:
		    Block grouping: 1
		    Shunt grouping:
		    1
		    Contact order: 1
		NA code: 04
			Wire code:
			  Wire type: AP
			  Wire guages:
			  - 010 (proj)
			Wire seq. no.: 3
			Length: 500
			U8025
			  Routing:
			    Feed-throughs:
			    FIN: FT2
			      Hole id: 3
				Mountain bicycle
				and (Mountain storm
				Mk1 or Brook trekker
				Mk9)

GE3AB
State: Active
	FIN: Gen
	Wire conn. code:
	  Electrical potential:
	    Contact order: 1
	  Potential conn.
	  order: 3
	NA code: 01
	Group code: G2+
		FIN: Diode
		Contact: A
		Wire conn. code:
		  Electrical potential:
		    Block grouping: 1
		    Shunt grouping:
		    1
		    Contact order: 1
		NA code: 04
			Wire code:
			  Wire type: AP
			  Wire guages:
			  - 010 (proj)
			Wire seq. no.: 3
			Length: 500
			U8025
			  Routing:
			    Feed-throughs:
			    FIN: FT2
			      Hole id: 4
				Mountain bicycle
				and (Mountain storm
				Mk1 or Brook trekker
				Mk9)

BT1AA
  Context: PN-
  AC-12561
  MFG: F0001
  Origin:
  Manufacturer
State: Active
	FIN: Batt
	Contact: +
	  Install direct: A
	Wire conn. code:
	  Electrical potential:
	    Contact order: 1
	NA code: 01
		FIN: C_Batt
		Contact: +
		  Install direct: B
		Wire conn. code:
		  Electrical potential:
		    Contact order: 1
		NA code: 02
			Wire code:
			  Wire type: AP
			  Wire guages:
			  - 010 (proj)
			Harn. id: Batt_01
			  Context: PN-
			  AC-12561
			  MFG: F0001
			  Origin:
			  Manufacturer
			Wire seq. no.: 1
			Twists:
			- Batt
			  Twisting type: 1
				Mountain bicycle
				and (Mountain storm
				Mk1 or Brook trekker
				Mk9)

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

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(Continued)

Ident	Connection		Information	Applicability
	From	**To**		
			Length: 400 [critical] Wire color: red U8025 NHA: FIN ELO-Box	

BA1AA
 	
State: Active
	FIN: C_Bike
	Contact: +
	Wire conn. code:
	  Electrical potential:
	    Contact order: 1
	NA code: 02
		FIN: S1
		Contact: Batt
		Wire conn. code:
		  Electrical potential:
		    Block grouping: 1
		    Shunt grouping:
		    1
		    Contact order: 1
		NA code: 04
			Wire code:
			  Wire type: AP
			  Wire guages:
			  - 010 (proj)
			Wire seq. no.: 1
			Length: 1200
			U8025
			Routing:
			  Feed-throughs:
			    FIN: FT1
			      Hole id: 1
			NHA: FIN ELO-Box
				Mountain bicycle
				and (Mountain storm
				Mk1 or Brook trekker
				Mk9)

BA1AB
 	
State: Active
	FIN: S1
	Contact: ON
	Wire conn. code:
	  Electrical potential:
	    Block grouping: 1
	    Shunt grouping:
	    1
	    Contact order:
	    102
	NA code: 04
		FIN: Rel
		Contact: 3
		  Function: Battery
		  mode
		Wire conn. code:
		  Electrical potential:
		    Block grouping: 2
		    Shunt grouping:
		    1
		    Contact order:
		    103
		NA code: 04
			Wire code:
			  Wire type: AP
			  Wire guages:
			  - 010 (proj)
			Wire seq. no.: 1
			Length: 1000
			U8025
			Routing:
			  Feed-throughs:
			    FIN: FT1
			      Hole id: 2
			NHA: FIN ELO-Box
				Mountain bicycle
				and (Mountain storm
				Mk1 or Brook trekker
				Mk9)

BA2AA
 	
State: Active
	FIN: C_Bike
	Contact: -
	Wire conn. code:
	  Electrical potential:
	    Contact order: 2
	NA code: 02
		FIN: VV1
		Contact: 4 -
		  PN: P2201-M
		Wire conn. code:
		  Electrical potential:
		    TM grouping: 1
		    Block grouping: 1
		    Shunt grouping:
		    2
		    Contact order: 8
		NA code: 03
			Wire code:
			  Wire type: AP
			  Wire guages:
			  - 010 (proj)
			Wire seq. no.: 2
			Length: 200
			U8025
			NHA: FIN ELO-Box
				Mountain bicycle
				and (Mountain storm
				Mk1 or Brook trekker
				Mk9)

LL1AA
 	
State: Active
	FIN: Rel
	Contact: 1
	Wire conn. code:
	  Electrical potential:
	    Block grouping: 2
	    Shunt grouping:
	    1
	    Contact order: 1
	NA code: 04
		FIN: VV1
		Contact: 3 +
		  PN: P2201-P
		Wire conn. code:
		  Electrical potential:
		    TM grouping: 1
		    Block grouping: 1
		    Shunt grouping:
		    1
			Wire code:
			  Wire type: AP
			  Wire guages:
			  - 010 (proj)
			Wire seq. no.: 1
			Length: 500
			U8025
			NHA: FIN ELO-Box
				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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(Continued)

Ident	Connection		Information	Applicability
	From	**To**		

			Contact order: 3 NA code: 03	

GE4AA
State: Active
	FIN: Gen
	Contact: GND
	Wire conn. code:
	  Electrical potential:
	    Contact order: 2
	    Potential conn.
	    order: 2
	  NA code: 01
	  Group code: G1-
		FIN: Rel
		Wire conn. code:
		  Electrical potential:
		    Block grouping: 1
		    Shunt grouping:
		    1
		    Contact order: 1
		  NA code: 04
			Wire code:
			  Wire type: AP
			  Wire guages:
			  - 010 (proj)
			Wire seq. no.: 4
			Length: 500
			U8025
			Routing:
			  Feed-throughs:
			    FIN: FT2
			    Hole id: 4
				Mountain bicycle
				and (Mountain storm
				Mk1 or Brook trekker
				Mk9)

GE5AA
State: Logconn
	FIN: Diode
	Contact: K
	Wire conn. code:
	  Electrical potential:
	    Block grouping: 1
	    Shunt grouping:
	    1
	    Contact order: 2
	  NA code: 04
		FIN: Rel
		Wire conn. code:
		  Electrical potential:
		    Block grouping: 1
		    Shunt grouping:
		    1
		    Contact order: 2
		    Potential conn.
		    order: 1
		  NA code: 04
		  Group code: R1
				Mountain bicycle
				and (Mountain storm
				Mk1 or Brook trekker
				Mk9)

GE5AB
State: Logconn
	FIN: Diode
	Contact: K
	Wire conn. code:
	  Electrical potential:
	    Block grouping: 1
	    Shunt grouping:
	    1
	    Contact order: 2
	  NA code: 04
		FIN: Rel
		Wire conn. code:
		  Electrical potential:
		    Block grouping: 1
		    Shunt grouping:
		    1
		    Contact order: 2
		    Potential conn.
		    order: 2
		  NA code: 04
		  Group code: R1
				Mountain bicycle
				and (Mountain storm
				Mk1 or Brook trekker
				Mk9)

T001
State: Active
	FIN: T01
	Contact: 1
	Wire conn. code:
	  Screen order: 2
	  Electrical potential:
	    Contact order: 1
	  NA code: 01
	  Screens:
	  - Type: 01, Lvl: 00,
	    Sty: 00
		FIN: Sensor
		Contact: A
		Wire conn. code:
		  Screen order: 2
		  Electrical potential:
		    Contact order: 1
		  NA code: 01
		  Screens:
		  - Type: 01, Lvl: 00,
		    Sty: 00
			Wire code:
			  Wire type: XY
			  Wire guages:
			  - 010 (proj)
			Harn. id: Tacho
			Wire seq. no.: 001
			Screens:
			- SCT1
			Twists:
			- Tacho
			    Twisting type: 1
			Length: 1200
			Wire color: yellow
				Mountain bicycle
				and (Mountain storm
				Mk1 or Brook trekker
				Mk9)

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

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(Continued)

Ident	Connection		Information	Applicability
	From	**To**		
			U8025	
T002 State: Active	FIN: T01 Contact: 2 Wire conn. code: Screen order: 3 Electrical potential: Contact order: 2 NA code: 01 Screens: - Type: 01, Lvl: 00, Sty: 00	FIN: Sensor Contact: B Wire conn. code: Screen order: 3 Electrical potential: Contact order: 2 NA code: 01 Screens: - Type: 01, Lvl: 00, Sty: 00	Wire code: Wire type: XY Wire guages: - 010 (proj) Harn. id: Tacho Wire seq. no.: 002 Screens: - SCT1 Twists: - Tacho Twisting type: 1 Length: 1200 Wire color: green U8025	Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
ND1 State: Logconn	FIN: T01 Wire conn. code: Screen order: 1 Spec. conn.: 100 Electrical potential: Contact order: 0 NA code: 01 Screens: - Type: 03, Lvl: 01, Sty: 01	FIN: T01 Wire conn. code: Screen order: 1 Electrical potential: Contact order: 0 NA code: 01 Screens: - SCT1 Type: 03, Lvl: 01, Sty: 01		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
ND2 State: Logconn	FIN: Sensor Wire conn. code: Screen order: 1 Spec. conn.: 100 Electrical potential: Contact order: 0 NA code: 01 Screens: - Type: 03, Lvl: 01, Sty: 01	FIN: Sensor Wire conn. code: Screen order: 1 Electrical potential: Contact order: 0 NA code: 01 Screens: - SCT1 Type: 03, Lvl: 01, Sty: 01		Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

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Wiring

Loom list

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Table 1 References

Data module / Technical publication	Title
None	

Wiring data

Ident	Information	Routing	RPC	Applicability
Batt_01 Context: PN-AC-12561 MFG: F0001 Origin: Manufacturer	Battery_123 Harn. var.: 123 Harn. iss.: A Harn. name: Battery harness EMC: LS1 Max temp.: 500 degF High vibr. env.: Yes Hydr. env.: Yes Sleeves: - PN: SPN1234 Material: Teflon		CAGE: U8025 Name: UK MoD	Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Tacho	Tachometer_101 Harn. var.: 101 Harn. iss.: A Harn. name: Tachometer harness EMC: LS2 Min temp.: -10 degC Max temp.: 60 degC High vibr. env.: Yes Sleeves:		CAGE: U8025 Name: UK MoD	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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Ident	Information	Routing	RPC	Applicability
	- Material: Silicon			
Lamp1	Front light_501 Harn. var.: 501 Harn. iss.: A Harn. name: Front light harness EMC: LS3 Min temp.: -10 degC Sleeves: - PN: SPN1234 - PN: SPN4321		CAGE: U8025 Name: UK MoD	Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)
Lamp2	Rear light_503 Harn. var.: 503 Harn. iss.: A Harn. name: Rear light harness EMC: LS3 Hydr. env.: Yes		CAGE: U8025 Name: UK MoD	Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

Docuneering

Lighting

Functional and/or physical areas repository

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Table 1 References

Data module / Technical publication	Title
None	

Functional and/or physical areas repository

1   AAA-D00

Functional physical area:....................................AAA-D00
Short name:.. Mountain bicycle
References:...AAA-D00-0

2   AAA-D00-0

Functional physical area:....................................AAA-D00-0
Short name:.. Mountain bicycle - General
References:...AAA-D00-00

3   AAA-D00-00

Functional physical area:....................................AAA-D00-00
Short name:.. Mountain bicycle - General
References:...AAA-D00-00-00

4   AAA-D00-00-00

Functional physical area:...................................AAA-D00-00-00

Short name:... Mountain bicycle - General

5   AAA-D05

Functional physical area:...................................AAA-D05

Short name:... Bicycle

References:...AAA-D05-0

AAA-D05-1

AAA-D05-2

AAA-D05-4

6   AAA-D05-0

Functional physical area:...................................AAA-D05-0

Short name:... Bicycle - General

References:...AAA-D05-00

7   AAA-D05-00

Functional physical area:...................................AAA-D05-00

Short name:... Bicycle - General

References:...AAA-D05-00-00

8   AAA-D05-00-00

Functional physical area:...................................AAA-D05-00-00

Short name:... Bicycle - General

9   AAA-D05-1

Functional physical area:...................................AAA-D05-1

Short name:... TBD

References:...AAA-D05-10

10   AAA-D05-10

Functional physical area:...................................AAA-D05-10

Short name:... TBD - General

References:...AAA-D05-10-00

11   AAA-D05-10-00

Functional physical area:...................................AAA-D05-10-00

Short name:... TBD - General

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12   AAA-D05-2

Functional physical area:....................................AAA-D05-2
Short name:..TBD1
References:..AAA-D05-20

13   AAA-D05-20

Functional physical area:....................................AAA-D05-20
Short name:..TBD1 - General
References:..AAA-D05-20-00

14   AAA-D05-20-00

Functional physical area:....................................AAA-D05-20-00
Short name:.. TBD1 - General

15   AAA-D05-4

Functional physical area:....................................AAA-D05-4
Short name:.. TBD2
References:..AAA-D05-40

16   AAA-D05-40

Functional physical area:....................................AAA-D05-40
Short name:.. TBD2 - General
References:..AAA-D05-40-00

17   AAA-D05-40-00

Functional physical area:....................................AAA-D05-40-00
Short name:.. TBD2 - General

18   AAA-DA0

Functional physical area:....................................AAA-DA0
Short name:.. Wheel
References:..AAA-DA0-0
AAA-DA0-1
AAA-DA0-2

19   AAA-DA0-0

Functional physical area:....................................AAA-DA0-0
Short name:.. Wheel - General
References:..AAA-DA0-00

20   AAA-DA0-00

Functional physical area:...................................AAA-DA0-00
Short name:...Wheel - General
References:..AAA-DA0-00-00

21   AAA-DA0-00-00

Functional physical area:...................................AAA-DA0-00-00
Short name:... Wheel - General

22   AAA-DA0-1

Functional physical area:...................................AAA-DA0-1
Short name:... Inner tube
References:..AAA-DA0-10

23   AAA-DA0-10

Functional physical area:...................................AAA-DA0-10
Short name:... Inner tube - General
References:..AAA-DA0-10-00
                  AAA-DA0-10-10
                  AAA-DA0-10-20

24   AAA-DA0-10-00

Functional physical area:...................................AAA-DA0-10-00
Short name:... Inner tube - General

25   AAA-DA0-10-10

Functional physical area:...................................AAA-DA0-10-10
Short name:... Inner tube

26   AAA-DA0-10-20

Functional physical area:...................................AAA-DA0-10-20
Short name:... Tire

27   AAA-DA0-2

Functional physical area:...................................AAA-DA0-2
Short name:... Rear wheel
References:..AAA-DA0-20

28 AAA-DA0-20

Functional physical area:...................................AAA-DA0-20

Short name:.. Rear wheel - General

References:...AAA-DA0-20-00

29 AAA-DA0-20-00

Functional physical area:...................................AAA-DA0-20-00

Short name:.. Rear wheel - General

30 AAA-DA1

Functional physical area:...................................AAA-DA1

Short name:.. Brake system

References:...AAA-DA1-0
AAA-DA1-1

31 AAA-DA1-0

Functional physical area:...................................AAA-DA1-0

Short name:.. Brake system - General

References:...AAA-DA1-00

32 AAA-DA1-00

Functional physical area:...................................AAA-DA1-00

Short name:.. Brake system - General

References:...AAA-DA1-00-00

33 AAA-DA1-00-00

Functional physical area:...................................AAA-DA1-00-00

Short name:.. Brake system - General

34 AAA-DA1-1

Functional physical area:...................................AAA-DA1-1

Short name:.. Brake pads

References:...AAA-DA1-10

35 AAA-DA1-10

Functional physical area:...................................AAA-DA1-10

Short name:.. Brake pads - General

References:...AAA-DA1-10-00

36   AAA-DA1-10-00

Functional physical area:..................................AAA-DA1-10-00

Short name:.. Brake pads - General

37   AAA-DA2

Functional physical area:..................................AAA-DA2

Short name:.. Steering

References:.. AAA-DA2-0
AAA-DA2-1
AAA-DA2-2
AAA-DA2-3

38   AAA-DA2-0

Functional physical area:..................................AAA-DA2-0

Short name:.. Steering - General

References:..AAA-DA2-00

39   AAA-DA2-00

Functional physical area:..................................AAA-DA2-00

Short name:.. Steering - General

References:..AAA-DA2-00-00

40   AAA-DA2-00-00

Functional physical area:..................................AAA-DA2-00-00

Short name:.. Steering - General

41   AAA-DA2-1

Functional physical area:..................................AAA-DA2-1

Short name:.. Stem

References:..AAA-DA2-10

42   AAA-DA2-10

Functional physical area:..................................AAA-DA2-10

Short name:.. Stem - General

References:..AAA-DA2-10-00

43   AAA-DA2-10-00

Functional physical area:..................................AAA-DA2-10-00

Short name:.. Stem - General

44 AAA-DA2-2

Functional physical area:...................................AAA-DA2-2
Short name:...Handlebar
References:..AAA-DA2-20

45 AAA-DA2-20

Functional physical area:...................................AAA-DA2-20
Short name:...Handlebar - General
References:..AAA-DA2-20-00

46 AAA-DA2-20-00

Functional physical area:...................................AAA-DA2-20-00
Short name:... Handlebar - General

47 AAA-DA2-3

Functional physical area:...................................AAA-DA2-3
Short name:... Headset
References:..AAA-DA2-30

48 AAA-DA2-30

Functional physical area:...................................AAA-DA2-30
Short name:... Headset - General
References:..AAA-DA2-30-00

49 AAA-DA2-30-00

Functional physical area:...................................AAA-DA2-30-00
Short name:... Headset - General

50 AAA-DA3

Functional physical area:...................................AAA-DA3
Short name:... Frame
References:..AAA-DA3-0
AAA-DA3-1

51 AAA-DA3-0

Functional physical area:...................................AAA-DA3-0
Short name:... Frame - General
References:..AAA-DA3-00

52 AAA-DA3-00

Functional physical area:...................................AAA-DA3-00
Short name:..Frame - General
References:...AAA-DA3-00-00

53 AAA-DA3-00-00

Functional physical area:...................................AAA-DA3-00-00
Short name:.. Frame - General

54 AAA-DA3-1

Functional physical area:...................................AAA-DA3-1
Short name:.. Horn
References:...AAA-DA3-10

55 AAA-DA3-10

Functional physical area:...................................AAA-DA3-10
Short name:... Horn - General
References:...AAA-DA3-10-00

56 AAA-DA3-10-00

Functional physical area:...................................AAA-DA3-10-00
Short name:.. Horn - General

57 AAA-DA4

Functional physical area:...................................AAA-DA4
Short name:... Drivetrain
References:...AAA-DA4-0
                                                                AAA-DA4-1

58 AAA-DA4-0

Functional physical area:...................................AAA-DA4-0
Short name:.. Drivetrain - General
References:...AAA-DA4-00

59 AAA-DA4-00

Functional physical area:...................................AAA-DA4-00
Short name:.. Drivetrain - General
References:...AAA-DA4-00-00

60   AAA-DA4-00-00

Functional physical area:...................................AAA-DA4-00-00
Short name:.. Drivetrain - General

61   AAA-DA4-1

Functional physical area:...................................AAA-DA4-1
Short name:.. Chain
References:..AAA-DA4-10

62   AAA-DA4-10

Functional physical area:...................................AAA-DA4-10
Short name:.. Chain - General
References:..AAA-DA4-10-00

63   AAA-DA4-10-00

Functional physical area:...................................AAA-DA4-10-00
Short name:.. Chain - General

64   AAA-DA5

Functional physical area:...................................AAA-DA5
Short name:.. Gears
References:..AAA-DA5-0
AAA-DA5-1

65   AAA-DA5-0

Functional physical area:...................................AAA-DA5-0
Short name:.. Gears - General
References:..AAA-DA5-00

66   AAA-DA5-00

Functional physical area:...................................AAA-DA5-00
Short name:.. Gears - General
References:..AAA-DA5-00-00

67   AAA-DA5-00-00

Functional physical area:...................................AAA-DA5-00-00
Short name:.. Gears - General

68   AAA-DA5-1

Functional physical area:...................................AAA-DA5-1

Short name:..Mechs

References:...AAA-DA5-10

69   AAA-DA5-10

Functional physical area:...................................AAA-DA5-10

Short name:..Mechs - General

References:...AAA-DA5-10-00

70   AAA-DA5-10-00

Functional physical area:...................................AAA-DA5-10-00

Short name:..Mechs - General

71   AAA-DA5-2

Functional physical area:...................................AAA-DA5-2

Short name:..Hubs

References:...AAA-DA5-20

72   AAA-DA5-20

Functional physical area:...................................AAA-DA5-20

Short name:..Hubs - General

References:...AAA-DA5-20-00

73   AAA-DA5-20-00

Functional physical area:...................................AAA-DA5-20-00

Short name:..Hubs - General

74   AAA-DA5-3

Functional physical area:...................................AAA-DA5-3

Short name:..Shifters

References:...AAA-DA5-30

75   AAA-DA5-30

Functional physical area:...................................AAA-DA5-30

Short name:..Shifters - General

References:...AAA-DA5-30-00

76   AAA-DA5-30-00

Functional physical area:...................................AAA-DA5-30-00

Short name:.. Shifters - General

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Lighting

Applicability common information repository

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References

Table 1 References

Data module / Technical publication	Title
None	

Applicability annotations repository

1   app-00000000AA022A-0000

Applicability identifier:.. app-00000000AA022A-0000

Display text:... Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

2   app-00000000AA029A-0000

Applicability identifier:.. app-00000000AA029A-0000

Display text:... Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

3   app-00000000AA040A-0000

Applicability identifier:.. app-00000000AA040A-0000

Display text:... Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

4   app-00000000AA056A-0000

Applicability identifier:....................................... app-00000000AA056A-0000

Display text:... Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

5   app-00000000AA056A-0001

Applicability identifier:....................................... app-00000000AA056A-0001

Display text:... Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

6   app-00000000AA057A-0000

Applicability identifier:....................................... app-00000000AA057A-0000

Display text:... Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

7   app-00000000AA057A-0001

Applicability identifier:....................................... app-00000000AA057A-0001

Display text:... Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

8   app-00000000AA058A-0000

Applicability identifier:....................................... app-00000000AA058A-0000

Display text:... Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

9   app-00000000AA058A-0001

Applicability identifier:....................................... app-00000000AA058A-0001

Display text:... Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

10   app-00000000AA341A-0000

Applicability identifier:....................................... app-00000000AA341A-0000

Display text:... Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

11   app-00000000AA413A-0000

Applicability identifier:....................................... app-00000000AA413A-0000

Display text:... Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

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12 app-00000000AA700A-0000

Applicability identifier:...................................... app-00000000AA700A-0000

Display text:... Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

13 app-00000000AA921A-0000

Applicability identifier:...................................... app-00000000AA921A-0000

Display text:... Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

14 app-00000000AA941A-0000

Applicability identifier:...................................... app-00000000AA941A-0000

Display text:... Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)

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Applicable to: All bicycles applicability

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End of data module

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Lights

Manual test

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Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Required persons

Table 3 Required persons

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

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

S1000DLIGHTING-AAA-D00-00-00-00AA-341A-A

Support equipment

Table 4 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
None			

Consumables, materials and expendables

Table 5 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 6 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Procedure

1   Set the lights to on.

2   Make sure that all the lights operate correctly.

Requirements after job completion

Required conditions

Table 7 Required conditions

Action / Condition	Data module / Technical publication
None	

S1000DLIGHTING-AAA-D00-00-00-00AA-341A-A

End of data module

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

Docuneering

Lights

Observed fault

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References

Table 1 References

Data module / Technical publication	Title
S1000DLIGHTING-AAA-D00-00-00-00AA-341A-A	Lights – Manual test
S1000DLIGHTING-AAA-D00-00-00-00AA-921A-A	Lighting – Remove and install a new item

Fault reporting

Preliminary requirements

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
None	

Support equipment

Table 3 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
None			

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

S1000DLIGHTING-AAA-D00-00-00-00AA-413A-A

Consumables, materials and expendables

Table 4 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 5 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

WARNING

Make sure that the bulb is cool before you replace it.

WARNING

Make sure the light glass is not broken before handling it

CAUTION

Do not touch the glass of the bulb.

Fault code

NYCJD02

S1000DLIGHTING-AAA-D00-00-00-00AA-413A-A

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

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Fault description

The lights are set to the dim position.

1 During use or maintenance
1.1 Fault isolation test – LRU

Line replaceable unit

Nomenclature	Identification
Bulb	MFR: KZ111 /PN: LiRUs-L1-11

Fault isolation test performance
Test type:.. Operation
Test code:... O-001

Test description
Name:... Test the bulbs

Test parameters
from 1 to 1 Days

Test procedures:.............................. S1000DLIGHTING-AAA-D00-00-00-00AA-341A-A

Repair procedures:.............................. S1000DLIGHTING-AAA-D00-00-00-00AA-921A-A

Remarks

This is the data module you would visit when you notice that the lights do not operate correctly.

Intentionally left blank.

Docuneering

Lighting

Assemble, install and connect procedures

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References

Table 1 References

Data module / Technical publication	Title
S1000DLIGHTING-AAA-D00-00-00-01AA-941A-D	–
S1000DLIGHTING-AAA-D00-00-00-00AA-921A-A	Lighting – Remove and install a new item

Preliminary requirements

Production maintenance data

Zone   200
                 300

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
Bike is stationary	

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

S1000DLIGHTING-AAA-D00-00-00-00AA-700A-A

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Support equipment

Table 3 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
	MFR: KZ666 /PN: BSK-TLST-001	1 EA	

Consumables, materials and expendables

Table 4 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 5 Spares

Name	Manufacturer / Part No.	Quantity	Remark
None			

Safety conditions

None

Procedure

1　　　Impacted zones: Zone 200 and Zone 300

2　　　S1

3　　　ELO-Box

4　　　Remove the lighting system from the packaging.

5　　　Make sure that the components in the package are the same as those on the S1000DLIGHTING-AAA-D00-00-00-01AA-941A-D

6　　　Install the light bulb to the front and rear lights (refer to S1000DLIGHTING-AAA-D00-00-00-00AA-921A-A).

7　　　Attach the front light fitting on the top of the handlebar.

7.1　　Apply the protective strip around the handlebar.

7.2　　Pull the clamp open and put it around the protective strip with the light connector at the top.

7.3　　Install the washer on the screw.

7.4   Use the correct screwdriver from the and tighten the screw into the hole at the bottom of the clamp. This safeties the clamp to the handlebar.

8   Attach the rear light fitting to the rear triangle of the bike frame.

8.1   Apply the protective strip around one of the two rear triangle up-tubes.

8.2   Pull the clamp open and put it around the protective strip. Make sure the light connector points rearwards.

8.3   Install the washer on the screw.

8.4   Use the correct screwdriver from the and tighten the screw into the hole at the bottom of the clamp. This safeties the clamp to the tube.

9   Attach the light with the white glass to the front connector.

10   Attach the light with the red glass to the rear connector.

Requirements after job completion

Required conditions

Table 6 Required conditions

Action / Condition	Data module / Technical publication
None	

Intentionally left blank.

Docuneering

Lighting

Remove and install a new item

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List of tables

References

Table 1 References

Data module / Technical publication	Title
None	

Preliminary requirements

Production maintenance data

Zone	F11	Half front
Work location	on the handlebars	
Zone	R11	Half rear
Work location	under the saddle	

Required conditions

Table 2 Required conditions

Action / Condition	Data module / Technical publication
Light set to off	
Light removed from bicycle	

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

S1000DLIGHTING-AAA-D00-00-00-00AA-921A-A

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Support equipment

Table 3 Support equipment

Name	Manufacturer / Part No.	Quantity	Remark
Special Toolset	578015T01	1 EA	Material set
- Screwdriver	PN: BSK-SCRDV-001	1 EA	

Consumables, materials and expendables

Table 4 Consumables, materials and expendables

Name	Manufacturer / Part No.	Quantity	Remark
None			

Spares

Table 5 Spares

Name	Manufacturer / Part No.	Quantity	Remark
Bulb	D00000001A010	2 EA	Discarded
Kit	578015B01	1 EA	Material set
- Bulb	D00000001A020	1 EA	[1]
- Bulb	D00000001A021	1 EA	[1]
Glass	D00000001A022	1 EA	Referenced
Glass	D00000001A023	1 EA	Modified from
- Glass	D00000001A022	1 EA	

1   Make sure that the new bulb is not cracked.

Safety conditions

WARNING

Make sure that the bulb is cool before you replace it.

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<div style="border:yellow-black hazard">

CAUTION

Do not touch the glass of the bulb.

</div>

<div style="border:yellow-black hazard">

CAUTION

Make sure that the glass is clean before installing it on the light.

</div>

Procedure

1   From location on the handlebars, remove the glass Glass.

2   Remove the used front yellow bulb Bulb.

3   Discard the used bulb Bulb.

4   Remove the new white bulb Bulb from the kit Kit.

5   Install the new white bulb Bulb.

6   Install the glass Glass on the light.

7   Attach the light fitting on the handlebar.

8   Apply the protective strip around the handlebar.

9   Install the washer on the screw.

10   Use the special screwdriver Screwdriver from the toolset Special Toolset and tighten the screw into the hole at the bottom of the clamp. This safeties the clamp to the handlebar.

11   From location under the saddle Remove the glass Glass.

12   Remove the used yellow rear bulb Bulb.

13   Discard the used bulb Bulb.

14   Remove the new white bulb Bulb from the kit Kit.

15   Install the new white Bulb.

16   Drill a 4mm hole in the middle of the glass Glass in order to allow venting and heat evacuation when the light is switched on.

      The glass with the hole may be ordered independently with the reference Glass.

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

S1000DLIGHTING-AAA-D00-00-00-00AA-921A-A

17   Install the glass with the hole Glass on the light.

Requirements after job completion

Required conditions

Table 6 Required conditions

Action / Condition	Data module / Technical publication
Switch the lights on if necessary.	

S1000DLIGHTING-AAA-D00-00-00-00AA-921A-A

End of data module

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

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Lights

Warning repository

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Table 1 References

Data module / Technical publication	Title
None	

Warnings repository

1   warning-001

Warning identifier:... warning-001

WARNING

Make sure that the bulb is cool before you replace it.

2   warning-002

Warning identifier:... warning-002

WARNING

Make sure the light glass is not broken before handling it

End of data module

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Light system

Illustrated Parts Data - IPD

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Table 1 References

Data module / Technical publication	Title
None	

000

ICN-S1000DBIKE-AAA-D000000-0-U8025-00537-A-04-1

Fig 1 Light system

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

S1000DLIGHTING-AAA-D00-00-00-01AA-941A-D

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Initial provisioning project information

IPP number: KZ7771111
IPP subject: ....LIGHT SYSTEM
IPP file identifier: ....s

Fig	Item	Units per assembly /Unit of issue	CAGE	Part No. NATO Stock No.	Description	* Usable on code assy • MV/Effect	ICY
1							
	0	REF	KZ777	LRU1001			
	1	1	KZ777	LRU1010	• FRONT		
	2	1	KZ777	LRU1011	• •		
	3	1	KZ777	LRU1012	• • •		
	4	1	KZ777	LRU1013	• • • •		
	5	2	KZ777	LIRUS-L1-10	• • •		
	6	1	KZ777	LRU1018	• •		
	7	1	KZ777	LRU1019	• • •		
	8	1	KZ777	LRU1022	• • • •		
	9	1	KZ777	LRU1020	• • •		
	10	2	KZ777	LIRUS-L1-11	• • • •		
	11	1	KZ777	LRU1026	• •		
	12	1	KZ777	LRU-B001	•		
	13	1	KZ777	LRU-B003	• •		
	14	1	KZ777	LRU-B124	• •		
	15	1	KZ777	LRU-B556	• •		
	16	1	KZ777	LRU-B789	• • •		
	17	1	KZ777	LRU2010	•		
	18	1	KZ777	LRU1011	• • REAR		
	19	1	KZ777	LRU2018	• •		
	20	1	KZ777	LIRUS-B1-12F	• • •		
	21	1	KZ777	LIRUS-B1-12R	• • •		
	22	2	KZ777	LIRUS-G1-10	• • •		
	23	1	KZ777	LIRUS-G1-10H	• • •		

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End of data module

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

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Lights

Caution repository

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References

Table 1 References

Data module / Technical publication	Title
None	

Cautions repository

1   caution-001

Caution identifier:..caution-001

CAUTION

Do not touch the glass of the bulb.

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2 caution-002

Caution identifier:...caution-002

CAUTION

Make sure that the glass is clean before installing it on the light.