

## Hubs - Clean with degreasing agent

**Data Module Code:** S1000DBIKE-AAA-DA5-20-00-00AA-251C-A

### Input Conditions

#### Required Conditions

Action/Condition	Data Module/Technical Publication
Rear wheel removed	<a href="#">S1000DBIKE-AAA-DA0-20-00-00AA-520A-A</a>

#### Personnel Recommended

Person	Category	Trade
B	Supervisor	Bicycle mechanic
A	Basic user	Operator

#### Support Equipment

Nomenclature	Part Number	Quantity
Specialist toolset	KZ666 / BSK-TLST-001	1 EA

#### Consumables

Nomenclature	Specification/PN	
Degreasing agent	KZ222 / LL-004	As required
General grease	KZ222 / LL-005	As required

#### Safety Conditions

None
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### Procedure

1. Remove the axle.
  - a. Use the cone-wrench from the [Specialist toolset](#) and remove the locknut from one side of the axle.
  - b. Remove the washer and the cone from the axle.

**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.

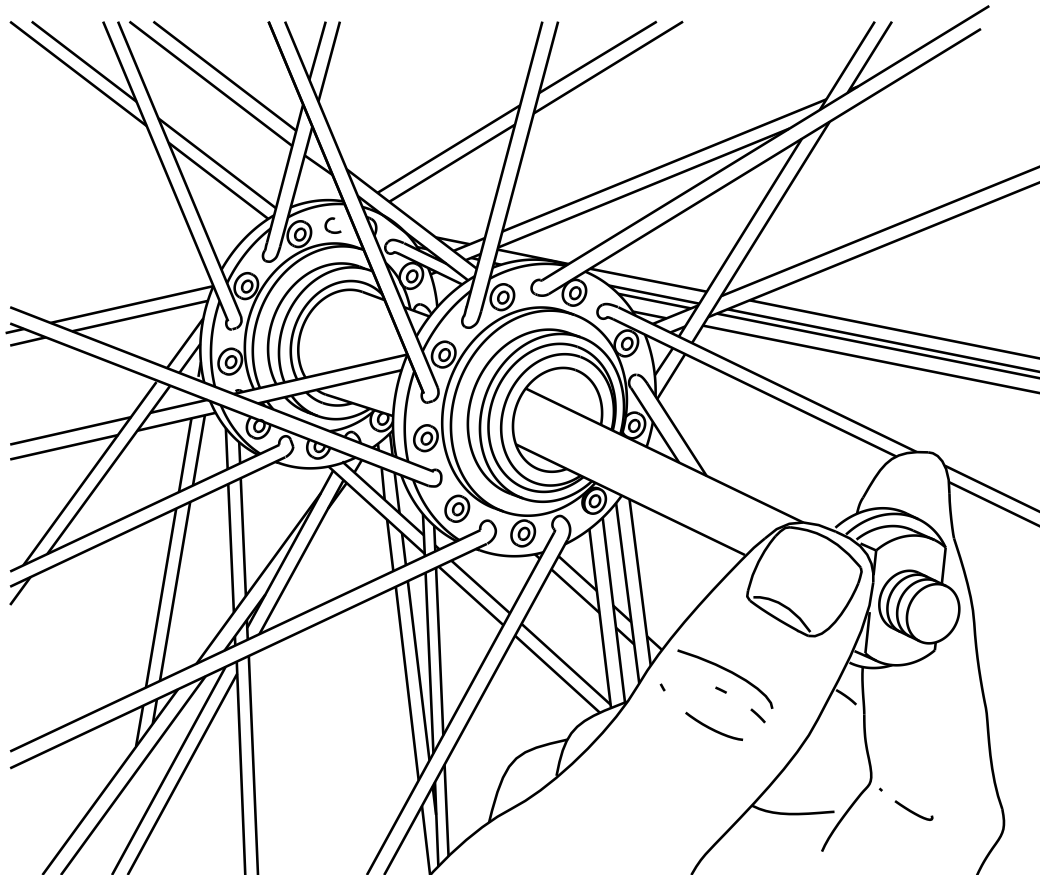
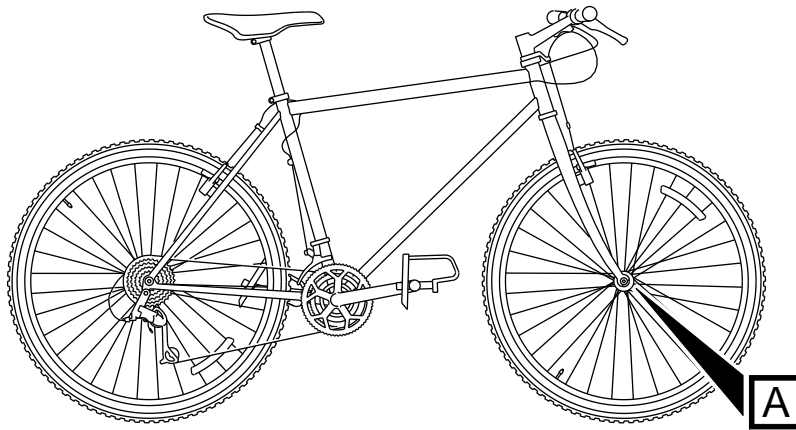
- c. Pull the axle out from the other side as shown in [Fig 1](#) .
2. Remove the bearings.
  - a. Use a small screwdriver from the [Specialist toolset](#) and remove the bearings from their races.
  - b. Make sure that each side of the hub has the same number of bearings.
  - c. Use the [Degreasing agent](#) and clean all the parts of the hub.
  - d. Do a check of the axle to make sure that it is straight.
  - e. Examine the bearing contact area on the cones and the races in the hub for pitting and other signs of damage.
  - f. Do a check of the ball bearings for signs of damage.
  - g. Apply a large quantity of [General grease](#) on each hub race.
3. Assemble the hub.
  - a. Install the ball bearings into the races and push them into the grease.
  - b. Apply more grease on the tops of the bearings.
  - c. Install the axle through the hub.
  - d. Install the cone, the washer and the locknut on the other side of the axle.
  - e. Use the cone-wrench from the specialist toolset and carefully tighten the locknut.

**Follow-on Maintenance**

**Required Conditions**

Action/Condition	Data Module/Technical Publication
None	

Fig 1. Removing the axle



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