

4.1BikeDM\_ICN\_1\_input\_source\_1\_input\_source

S1000DBIKE-AAA-D00-00-00AA-041A-A

Unclassified

Bicycle-Description of how it is made

Applicable to: All

Issue Date: 2016-05-31: Issue Number: 000



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## 1 Physical description of a bicycle

A bicycle (refer to [Figure 1 \(Sheet 1 of 1\)](#)) 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 [Figure 1 \(Sheet 1 of 1\) item 0](#)) to do:

- an inspection
- a maintenance task
- a repair task

See graphics after the end of section.

[Figure 1 Complete bicycle \(Sheet 1 of 1\) \(Applicable to: All\)](#)

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

Table 1. Bicycle parts

Item	Refer to	Definition
Frame	<a href="#">Figure 1 (Sheet 1 of 1) item 9</a>	A bicycle frame is made of metal tubes that are welded together.
Wheels		The wheels include these parts: <ul style="list-style-type: none"><li>- Hub</li><li>- Spokes</li><li>- Metal rim</li><li>- Rubber tire</li></ul>
- Rear wheel	<a href="#">Figure 1 (Sheet 1 of 1) item 7</a>	

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Item	Refer to	Definition
- Front wheel	<a href="#">Figure 1 (Sheet 1 of 1) item 3</a>	
Seat and seat post	<a href="#">Figure 1 (Sheet 1 of 1) item 8</a>	These install into the seat tube with a mechanism you can use to change the height.
Handle bars	<a href="#">Figure 1 (Sheet 1 of 1) item 11</a>	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	<a href="#">Figure 1 (Sheet 1 of 1) item 10</a>	This attaches the handle bar to the steering tube (head set).
Crank	<a href="#">Figure 1 (Sheet 1 of 1) item 5</a>	A lever that extends from the bottom of the bracket to the pedal.
Pedals	<a href="#">Figure 1 (Sheet 1 of 1) item 4</a>	The two platforms for the feet that attach to the crank.
Chain	<a href="#">Figure 1 (Sheet 1 of 1) item 6</a>	A circular set of links that connect the chain ring to the cogs on the freewheel.
Gears	<a href="#">Figure 1 (Sheet 1 of 1) item 2</a>	The gears include: <ul style="list-style-type: none"><li>- Front chain ring</li><li>- Rear freewheel</li><li>- Front and rear derailleur</li><li>- Shift lever on the handle bars</li><li>- Cables</li></ul>
Brakes	<a href="#">Figure 1 (Sheet 1 of 1) item 1</a>	The brakes include: <ul style="list-style-type: none"><li>- Actuators on the handlebars</li><li>- Brake cable</li><li>- Brake callipers</li><li>- Brake pads</li></ul>

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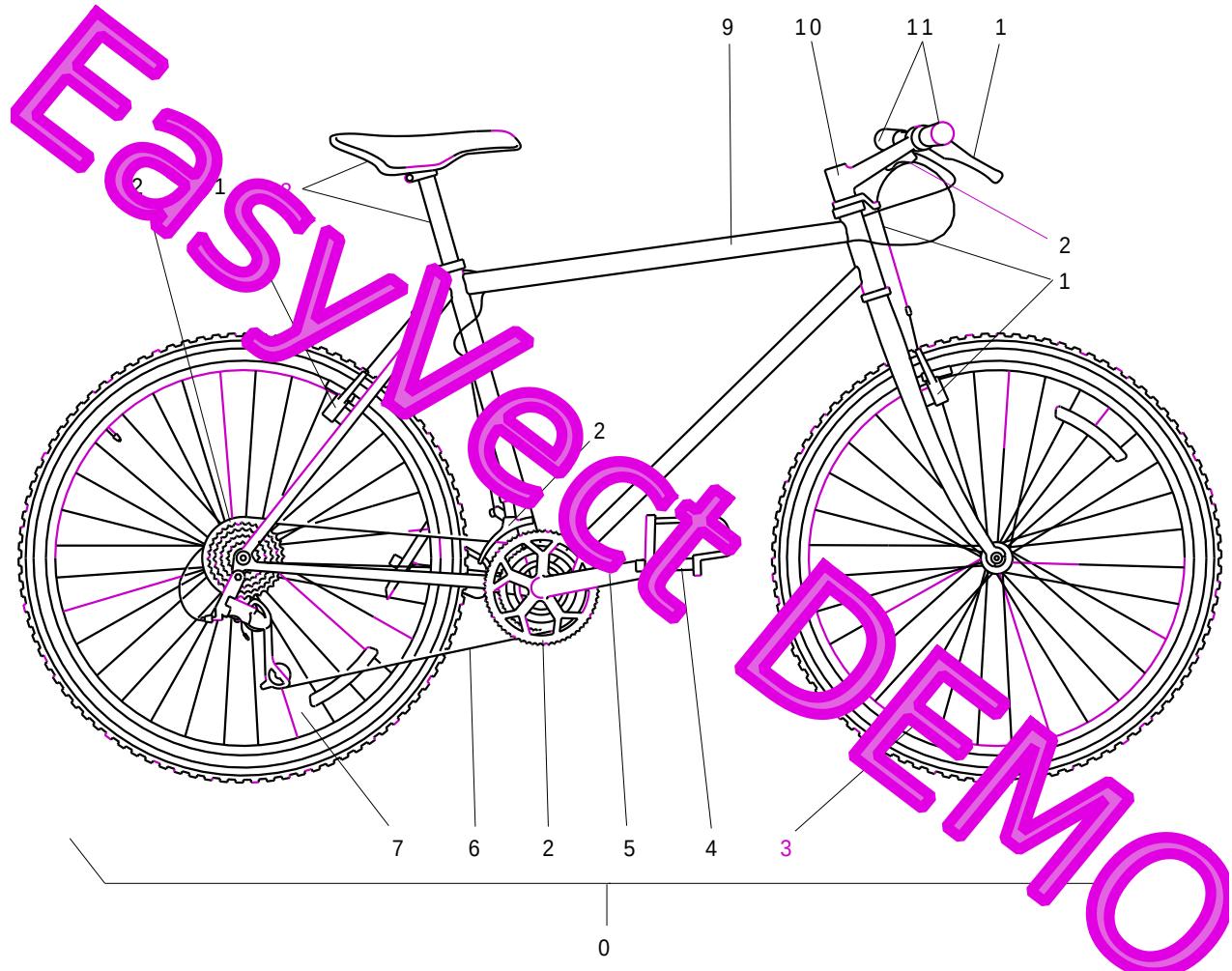


Figure 1 Complete bicycle (Sheet 1 of 1) (Applicable to: All)