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  08 AKSIUM 10
  09 CROSSMAX ST DISC 10
  10 CROSSMAX ST DISC 10 - CENTER-LOCK
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  13 C29SSMAX
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THIS DOCUMENT ONLY COVERS NEW PRODUCTS FOR 2010.

THIS DOCUMENT UPDATES YOUR TECHNICAL INFORMATION AND SHOULD THEREFORE BE KEPT CAREFULLY, WITH NO TIME LIMITATION, WITH THE MANUALS FROM PREVIOUS YEARS.

ALL INFORMATION ON PRODUCTS ALREADY INCLUDED IN PREVIOUS RANGES CAN BE FOUND IN THE TECHNICAL MANUALS PUBLISHED SINCE 1997.

PLEASE VISIT THE INTERNET SITE WWW.TECH-MAVIC.COM TO FIND ALL EDITIONS OF THIS MANUAL PUBLISHED SINCE 1997.
This website (in English, French, German, Spanish, Italian and Japanese) is at your complete disposal. All information about Mavic products released since 1997 is available in PDF format and downloadable from this easily accessible and user-friendly site.

Visit: www.tech-mavic.com where you will find all this information. To connect to this website you will need a user name and password:

User name: mavic-com
Password: dealer

Among other things on the website, you will find:

- All the technical details on all Mavic products marketed since 1997 - wheels, rims, components - arranged by discipline and by product.
- 4 recap charts of spoke lengths and references for all our wheels, which will help you to manage your spoke stock.
- A program for calculating spoke length: starting with a Mavic rim, select the drilling and lacing pattern and the width of your hub, as well as the diameter of the flanges and the distances between the flange and the frame or fork support; the spoke length required to build your wheel will be calculated automatically.

We hope that this tool will meet your needs. Do not hesitate to point out any malfunctions you identify or improvements that you would like to see.
COSMIC CARBONE SL 09

USE: use only on a road bike. Any other use (such as on a tandem, cyclo-cross bike, or off-road use...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty. Recommended maximum weight of the cyclist and his equipment: 100 kg.

WHEEL WEIGHTS WITHOUT QUICK-RELEASE SKEWER

<table>
<thead>
<tr>
<th></th>
<th>Front: 780 g</th>
<th>Rear M10: 975 g</th>
<th>Rear ED11: 960 g</th>
</tr>
</thead>
</table>

WHEEL REFERENCES BLACK

<table>
<thead>
<tr>
<th>References</th>
<th>Front:</th>
<th>Rear M10:</th>
<th>Rear ED11:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>995 530 10</td>
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<td>995 532 12</td>
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<tr>
<td>White</td>
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<td>111 686 11</td>
<td>111 686 14</td>
</tr>
<tr>
<td>Pair M10:</td>
<td>995 533 14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pair ED11:</td>
<td>995 534 14</td>
<td></td>
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</tbody>
</table>

WHEEL REFERENCES WHITE

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<thead>
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<th>References</th>
<th>Front:</th>
<th>Rear M10:</th>
<th>Pair M10:</th>
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</thead>
<tbody>
<tr>
<td>Front:</td>
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<td>111 047 14</td>
</tr>
<tr>
<td>Pair M10:</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

RIMS

<table>
<thead>
<tr>
<th>References</th>
<th>Front: 996 840 10</th>
<th>Rear: 996 840 13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td></td>
<td>White</td>
</tr>
<tr>
<td>White</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ø Valve Hole</th>
<th>6.5 mm</th>
<th>Dimensions: ETRTO 622 x 13C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length: ≥ 55 mm</td>
<td>Recomended tire width: 19 to 28 mm</td>
<td></td>
</tr>
</tbody>
</table>

When replacing the rear rim:
1. With the valve hole near you, turn the rim so that the "infobloc" label can be seen.
2. The first spoke to the right of the valve hole is a non-traction driving spoke and should be inserted in the drive side of the hub.

HUBS

<table>
<thead>
<tr>
<th>Ø Valve Hole</th>
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</table>

MAINTENANCE: Clean with a dry cloth or soap and water if necessary. Do not use a high-pressure washer.

REFERENCES

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<tr>
<th>References</th>
<th>Front: 996 841 01</th>
<th>Rear drive side: 996 842 01</th>
<th>Rear non-drive side: 996 843 01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>Length 289 mm (per 8, with nipples)</td>
<td>Length 306 mm (per 10, with nipples)</td>
<td>Length 288 mm (per 10, with nipples)</td>
</tr>
<tr>
<td>White</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ACCESSORIES

- BR 301 front quick-release skewer 996 939 01
- BR 301 rear quick-release skewer 996 940 01
- ED 10 12D locking ring M40640 (with rear wheel ED10)
- Free play adjustment wrench M40123 (with rear wheel)
- Spoke wrench M40001 (with rear wheel)
- Aerodynamic spoke wrench M40567 (with rear wheel)
- Valve extender M40013
- Rim tape
- User guide

MAINTENANCE

- Replacing the front axle
- Replacing the front bearings
- Replacing the rear axle
- Replacing the free wheel body
- Replacing the rear bearings
- Replacing a spoke
- Replacing the front rim
- Replacing the rear rim

To consult this information quickly in a practical manner, refer to www.tech-mavic.com

USE: use only on a road bike. Any other use (such as on a tandem, cyclo-cross bike, or off-road use...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty. Recommended maximum weight of the cyclist and his equipment: 100 kg.

WHEEL BUILDING

FEATURES:
Black steel straight pull spokes with ABS spoke nipples

LACING PATTERN:
Front: radial
Rear: crossed 2 drive side, radial non-drive side

TENSION:
Front: 120 to 140 kg
Rear drive side: 140 to 160 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BR 301 front quick-release skewer 996 939 01
- BR 301 rear quick-release skewer 996 940 01
- ED 10 12D locking ring M40640 (with rear wheel ED10)
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<td>111 047 14</td>
</tr>
<tr>
<td>Pair M10:</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

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1. With the valve hole near you, turn the rim so that the "infobloc" label can be seen.
2. The first spoke to the right of the valve hole is a non-traction driving spoke and should be inserted in the drive side of the hub.

HUBS

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<th>Rear non-drive side: 996 843 01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>Length 289 mm (per 8, with nipples)</td>
<td>Length 306 mm (per 10, with nipples)</td>
<td>Length 288 mm (per 10, with nipples)</td>
</tr>
<tr>
<td>White</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ACCESSORIES

WHEELS SUPPLIED WITH:

- BR 301 front quick-release skewer 996 939 01
- BR 301 rear quick-release skewer 996 940 01
- ED 10 12D locking ring M40640 (with rear wheel ED10)
- Free play adjustment wrench M40123 (with rear wheel)
- Spoke wrench M40001 (with rear wheel)
- Aerodynamic spoke wrench M40567 (with rear wheel)
- Valve extender M40013
- Rim tape
- User guide

MAINTENANCE

- Replacing the front axle
- Replacing the front bearings
- Replacing the rear axle
- Replacing the free wheel body
- Replacing the rear bearings
- Replacing a spoke
- Replacing the front rim
- Replacing the rear rim

To consult this information quickly in a practical manner, refer to www.tech-mavic.com
**R-SYS SL - Clincher**

**USE:** for road bike use only. Any other use (such as on a tandem, cyclo-cross bike, or off-road use…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty. Recommended maximum weight of the cyclist and equipment: 100 kg.

**WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER**

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear M10</th>
<th>Rear ED11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>545 g</td>
<td>765 g</td>
<td>750 g</td>
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**WHEEL REFERENCES**

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear M10</th>
<th>Rear ED11</th>
<th>Pair M10</th>
<th>Pair ED11</th>
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<td>995 487 10</td>
<td>995 488 11</td>
<td>995 489 12</td>
<td>995 490 14</td>
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</table>

**SALES REFERENCES**

<table>
<thead>
<tr>
<th></th>
<th>Clincher</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front</td>
<td>108 424 10</td>
</tr>
<tr>
<td>Rear</td>
<td>108 424 13</td>
</tr>
</tbody>
</table>

**RIMS**

| Ø VALVE HOLE | Ø: 6.5 mm | Length: ≥ 32 mm |

When replacing the rear rim:
1. With the valve hole rear yu, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole is a non-traction spoke and should be introduced in the drive side.

**REFERENCES AND LENGTHS:**

<table>
<thead>
<tr>
<th></th>
<th>Front: 107 958 01, length 285 mm (per 10, integrated nipples)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Drive side: 108 446 01, length 294.5 mm (per 10, integrated nipples)</td>
</tr>
<tr>
<td></td>
<td>Non-drive side: 107 959 01, length 284 mm (per 11, integrated nipples)</td>
</tr>
</tbody>
</table>

**MAINTENANCE:**

- Clean with a dry cloth or soapy water if necessary.
- Do not use a high-pressure washer.

**HUBS**

**ACCESSORIES AND LENGTHS:**

<table>
<thead>
<tr>
<th></th>
<th>• BR 601 Titanium front quick-release skewer 323 485 01</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• BR 601 Titanium rear quick-release skewer 323 486 01</td>
</tr>
<tr>
<td></td>
<td>• Removable computer magnet (front wheel) 105 416 01</td>
</tr>
<tr>
<td></td>
<td>• Spoke wrench (with rear wheel) 108 471 01</td>
</tr>
<tr>
<td></td>
<td>• Zicral spoke wrench M40567 (with rear wheel)</td>
</tr>
<tr>
<td></td>
<td>• TraComp ring tool 996 680 01</td>
</tr>
<tr>
<td></td>
<td>• ED11 12D locking ring (with rear wheel ED11) 108 317 01</td>
</tr>
<tr>
<td></td>
<td>• Wheel bags M40135</td>
</tr>
<tr>
<td></td>
<td>• User guide</td>
</tr>
</tbody>
</table>

**WHEEL BUILDING**

**FEATURES:**

- Front and rear non-drive side: carbon tubular spokes (TraComp) - new generation
- Rear drive side: black swaged, bladed, straight pull Zicral spokes with M7 integrated, self-locking nipples

**LACING PATTERN:**

- Rear: 2-cross lacing drive side, radial non-drive side, TraComp system

**TENSION:**

- Front: 70 to 90 kg
- Rear drive side: 90 to 110 kg

**WHEELS SUPPLIED WITH:**

- Adjusting GRM SL hub bearings: See 2010 TM, page 16
- Replacing the front axle and bearings: See 2010 TM, page 17
- Replacing the rear axle: See 2010 TM, page 18
- Maintaining and replacing the free wheel mechanism: See 2003 TM, page 21
- Replacing the rear bearings: See 2010 TM, page 19
- Important note for fitting TraComp spokes: See 2008 TM, page 28
- Removing/Refitting the TraComp ring: See 2009 TM, page 36
- Truing and replacing a TraComp spoke: See 2008 TM, page 30
- Replacing the front rim: See 2008 TM, page 30
- Replacing the rear rim: See 2008 TM, page 31

Refer to the website for quick and convenient access to information: [www.tech-mavic.com](http://www.tech-mavic.com)

Never turn a TraComp spoke nipple without having first removed the TraComp rings from the hub, otherwise the spoke may be irreversibly damaged.

Never fit a computer magnet other than the one supplied with the wheel.

Only transport the wheels in the wheel bags supplied. Avoid side shocks to the TraComp spokes.
**R-SYS SL - Tubular**

**USE:** for road bike use only. Any other use (such as on a tandem, cyclo-cross bike, or off-road use…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg

### WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>M10</th>
<th>ED11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>550 g</td>
<td>740 g</td>
<td>725 g</td>
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### WHEEL REFERENCES

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<tr>
<th></th>
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<th>M10</th>
<th>ED11</th>
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<tbody>
<tr>
<td>Ref.</td>
<td>995 520 10</td>
<td>995 521 11</td>
<td>995 522 12</td>
</tr>
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</table>

### FEATURES:

- Front and rear non-drive side: carbon tubular spokes (TraComp) - new generation
- Rear drive side: black swaged, bladed, straight pull Zicral spokes with M7 integrated, self-locking nipples

### LACING PATTERN:

- Front: radial, TraComp system
- Rear: 2-cross lacing drive side, radial non-drive side, TraComp system

### TENSION:

- Front: 70 to 90 kg
- Rear drive side: 90 to 110 kg

### MAINTENANCE:

- Clean with a dry cloth or soapy water if necessary.
- Do not use a high-pressure washer.

### REFERENCES AND LENGTHS:

<table>
<thead>
<tr>
<th></th>
<th>Front:</th>
<th>Drive side:</th>
<th>Non-drive side:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ref.</td>
<td>108 425 10</td>
<td>107 958 01, length 285 mm (per 10, integrated nipples)</td>
<td>108 448 01, length 287 mm (per 11, integrated nipples)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>108 447 01, length 297.5 mm (per 10, integrated nipples)</td>
<td></td>
</tr>
</tbody>
</table>

### ACCESSORIES:

- BR 601 Titanium front quick-release skewer 323 485 01
- BR 601 Titanium rear quick-release skewer 323 486 01
- Removable computer magnet (front wheel) 105 416 01
- Spoke wrench (with rear wheel) 108 471 01
- Zicral spoke wrench M40567 (with rear wheel)
- TraComp ring tool 996 680 01
- ED11 12D locking ring (with rear wheel ED11) 108 317 01
- Wheel bags M40135
- User guide Adjusting QRM SL hub bearings

**Never turn a TraComp spoke nipple without having first removed the TraComp rings from the hub, otherwise the spoke may be irreversibly damaged.**

**Never fit a computer magnet other than the one supplied with the wheel.**

**Only transport the wheels in the wheel bags supplied. Avoid side shocks to the TraComp spokes.**
USE: for road bike use only. Any other use (such as on a tandem, cyclo-cross bike, or off-road use…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty. Recommended maximum weight of the cyclist and equipment: 100 kg

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</tr>
<tr>
<td>Pair M10</td>
</tr>
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<td>Pair ED11</td>
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RIM BUILDING

SALES REFERENCES

Clincher:

Front: 108 423 10
Rear: 108 423 13

RECOMMENDED TIRE WIDTH
Dimensions: ETRTO 622 x 15C
Recommended tire width: 19 to 32 mm

When replacing the rear rim:
1. With the valve hole near you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole is a non-traction spoke and should be introduced in the drive side.

HUBS

MAINTENANCE:
Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.

WHEEL BUILDING

REFERENCES AND LENGTHS:
Front: 108 437 01, length 285 mm (per 9, integrated nipples)
Rear drive side: 108 445 01, length 294.5 mm (per 10, integrated nipples)
Rear non-drive side: 108 444 01, length 284 mm (per 10, integrated nipples)

LACING PATTERN:
Front: radial, TraComp system
Rear drive side: 2-cross lacing drive side, radial non-drive side, TraComp system

TENSION:
Front: 70 to 90 kg
Rear drive side: 90 to 110 kg

ACCESSORIES

BR 601 front quick-release M40149
BR 601 rear quick-release M40150
Removable computer magnet (front wheel) 105 416 01
Spoke wrench (with rear wheel) 108 471 01
Zicral spoke wrench M40567 (with rear wheel)
TraComp ring tool 996 080 01
ED11 12D locking ring (with rear wheel ED11) 108 317 01
Wheel bags M40135
User guide Replacing the front axle and bearings

MAINTENANCE

Replacing the rear axle See 2005 TM, page 20
Maintaining and replacing the free wheel mechanism See 2008 TM, page 24
Replacing the rear bearings See 2003 TM, page 21
Important note for fitting TraComp spokes See 2008 TM, page 24
Removing/Refitting the TraComp ring See 2008 TM, page 28
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<tr>
<td>Weight</td>
<td>638 g</td>
<td>847 g</td>
<td>832 g</td>
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<th>Rear M10</th>
<th>Rear ED11</th>
<th>Pair M10</th>
<th>Pair ED11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference</td>
<td>106 715 10</td>
<td>106 716 11</td>
<td>106 717 12</td>
<td>106 718 14</td>
<td>106 719 14</td>
</tr>
</tbody>
</table>

RIMS

SALES REFERENCES

Black: Front: 111 877 10 Rear: 111 877 13

0 VALVE HOLE

Ø: 6.5 mm
Length: ≥ 32 mm

RECOMMENDED TIRE WIDTH

Dimensions: Ø 700: ETRTO 622 x 15C
Recommended tire width: 19 to 32 mm

When replacing the rear rim:

1. With the valve hole rear you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole should be introduced into the drive side in a marked hole on the hub.

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.

WHEEL BUILDING

FEATURES:
Black bladed, straight pull Zicral spokes with M7 integrated, self-locking nipples

LACING PATTERN:

Front: radial
Rear: Isopulse

TENSION:

Front: 110 to 130 kg
Rear drive side: 120 to 140 kg

ACCESSORIES WHEELS SUPPLIED WITH:

- BR 601 front quick-release M40149
- BR 601 rear quick-release M40150
- Computer magnet M40540 (with front wheel)
- Free play adjustment wrench M40123 (with rear wheel)
- Spoke wrench M40494 (with rear wheel)
- ED11 123 locking ring (with rear wheel ED11) 108 317 01
- Wheel bags M40135
- K10 tyres 112 296 01
- Mavic standard inner tube 111 040 01
- User guide and warranty card

MAINTENANCE

Replacing the front axle and bearings See 2005 TM, page 20
Replacing the rear axle See 2007 TM, page 20
Maintaining and replacing the free wheel mechanism See 2003 TM, page 21
Replacing the rear bearings See 2003 TM, page 22
Replacing a spoke See 2003 TM, page 23
Replacing the front rim See 2003 TM, page 27
Replacing the rear rim See 2006 TM, page 17

Refer to the website for quick and convenient access to information: www.tech-mavic.com
USE: for road bike use only. Any other use (such as on a tandem, cyclo-cross bike, or off-road use…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty. Recommended maximum weight of the cyclist and equipment: 100 kg

WHEELS WEIGHTS WITHOUT QUICK-RELEASE SKEWER

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear M10</th>
<th>Rear ED11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>645 g</td>
<td>855 g</td>
<td>840 g</td>
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</table>

WHEEL REFERENCES

<table>
<thead>
<tr>
<th></th>
<th>Front 107 970 10</th>
<th>Rear 107 971 11</th>
<th>Rear 107 972 12</th>
<th>Pair 107 973 14</th>
<th>Pair ED11 107 974 14</th>
</tr>
</thead>
</table>

SALES REFERENCES


RIMS

Ø VALVE HOLE

- Ø: 6.5 mm
- Length: ≥ 32 mm

RECOMMENDED TIRE WIDTH

- Dimensions: Ø 700: ETRTO 622 x 15C
- Recommended tire width: 19 to 32 mm

When replacing the rear rim:

1. With the valve hole rear you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole should be introduced into the drive side in a marked hole on the hub.

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary. Do not use a high-pressure washer.

REFERENCES AND LENGTHS:

<table>
<thead>
<tr>
<th>Black</th>
<th>Front</th>
<th>Rear drive side</th>
<th>Rear non-drive side</th>
</tr>
</thead>
<tbody>
<tr>
<td>References</td>
<td>324 178 01, length 284.5 mm (per 12, integrated nipples)</td>
<td>324 179 01, length 275 mm (per 11, integrated nipples)</td>
<td>324 180 01, length 298.5 mm (per 10, integrated nipples)</td>
</tr>
</tbody>
</table>

WHEEL BUILDING

FEATURES:

Black bladed, straight pull Zicral spokes with M7 integrated, self-locking nipples

LACING PATTERN:

- Front: radial
- Rear: Isopulse

TENSION:

- Front: 110 to 130 kg
- Rear drive side: 120 to 140 kg

ACCESSORIES

- BR 601 front quick-release M40149
- BR 601 rear quick-release M40150
- Computer magnet M40540 (with front wheel)
- Free play adjustment wrench M40123 (with rear wheel)
- Spoke wrench M40494 (with rear wheel)
- ED11 12D locking ring (with rear wheel ED11) 108 317 01
- User guide and warranty card

MAINTENANCE

- Replacing the front axle and bearings See 2005 TM, page 20
- Replacing the rear axle See 2007 TM, page 20
- Maintaining and replacing the free wheel mechanism See 2003 TM, page 21
- Replacing the rear bearings See 2003 TM, page 22
- Replacing a spoke See 2003 TM, page 23
- Replacing the front rim See 2003 TM, page 27
- Replacing the rear rim See 2006 TM, page 17

Refer to the website for quick and convenient access to information: www.tech-mavic.com
AKSIUM 10

USE: for road bike use only. Any other use (such as on a tandem, cyclo-cross bike, or off-road use…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty. Recommended maximum weight of the cyclist and equipment: 100 kg

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER

<table>
<thead>
<tr>
<th></th>
<th>Black</th>
<th>Silver</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front</td>
<td>830 g</td>
<td></td>
</tr>
<tr>
<td>Rear M10</td>
<td>980 g</td>
<td></td>
</tr>
<tr>
<td>Rear ED11</td>
<td>965 g</td>
<td></td>
</tr>
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WHEEL REFERENCES BLACK

<table>
<thead>
<tr>
<th></th>
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<th>Silver</th>
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<tbody>
<tr>
<td>Front</td>
<td>996 967 10</td>
<td></td>
</tr>
<tr>
<td>Rear M10</td>
<td>996 968 11</td>
<td></td>
</tr>
<tr>
<td>Rear ED11</td>
<td>996 969 12</td>
<td></td>
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<tr>
<td>Pair M10</td>
<td>996 970 14</td>
<td></td>
</tr>
<tr>
<td>Pair ED10</td>
<td>996 971 14</td>
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WHEEL REFERENCES SILVER

<table>
<thead>
<tr>
<th></th>
<th>Black</th>
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<tbody>
<tr>
<td>Front</td>
<td>996 98010</td>
<td></td>
</tr>
<tr>
<td>Rear M10</td>
<td>996 98111</td>
<td></td>
</tr>
<tr>
<td>Rear ED11</td>
<td>996 98212</td>
<td></td>
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<tr>
<td>Pair M10</td>
<td>996 98314</td>
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<td>Pair ED11</td>
<td>996 98414</td>
<td></td>
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SALES REFERENCES

<table>
<thead>
<tr>
<th></th>
<th>Black:</th>
<th>Silver:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front and rear</td>
<td>108 431 14</td>
<td>108 432 14</td>
</tr>
</tbody>
</table>

RIMS

Ø VALVE HOLE

- Ø: 6.5 mm
- Length: ≥ 32 mm

RECOMMENDED TIRE WIDTH

Dimensions: ETRTO 622 x 15C

Recommended tire width: 19 to 32 mm

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary. Do not use a high-pressure washer.

WHEEL BUILDING

REFERENCES AND LENGTHS:

Black:

- Front + rear non-drive side: 108 449 01, length 282 mm (per 10, with nipples)
- Drive side: 108 450 01, length 298 mm (per 10, with nipples)

Silver:

- Front + rear non-drive side: 108 451 01, length 282 mm (per 10, with nipples)
- Drive side: 108 452 01, length 298 mm (per 10, with nipples)

FEATURES:

- Rear Wheel: black steel or silver stainless steel bladed, straight pull spokes with ABS spoke nipples
- Front Wheel: self-locking black steel or silver stainless steel bladed, straight pull spokes with standard nipples

LACING PATTERN:

- Front: radial
- Rear: 2-cross lacing drive side and radial non-drive side

TENSION:

- Front: 80 to 90 kg
- Rear drive side: 150 to 165 kg

ACCESSORIES

- Conventional alu quick-release skewer on front M40350
- Conventional alu quick-release skewer on rear M40351
- ED11 12D locking ring (with rear wheel ED11) 108 317 01
- Rim tape
- User guide and warranty card

WHEELS SUPPLIED WITH:

- Replacing the front axle and bearings
- Replacing the rear axle
- Maintaining and replacing the free wheel mechanism
- Replacing the rear bearings
- Replacing a spoke
- Replacing the front rim
- Replacing the rear rim

Refer to the website for quick and convenient access to information: www.tech-mavic.com
CROSSMAX ST DISC 10

USE: use only on a Cross-country or Cross Mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty. Recommended maximum weight of the cyclist and equipment: 100 kg

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER
Front: 735 g
Rear: 880 g

WHEEL REFERENCES
Front: 105 359 10
Rear: 105 351 13
Pair: 105 352 14

RIMS

SALES REFERENCES
Front: 108 472 10
Rear: 108 472 13

Ø VALVE HOLE
Ø: 6.5 mm
Length: ≥ 32 mm

RECOMMENDED TIRE WIDTH
Dimensions: Ø 26"
ETRTO 559 x 19C compatible and Tubeless UST.
Recommended tire width: 1.5 to 2.3

When replacing the front rim:
1. With the valve hole near you, the raised indicator bump must be to the left of the valve hole.
2. The spoke in the first hole to the right of the valve hole is a non-braking spoke and should be introduced into the disc side.

When replacing the rear rim:
1. With the valve hole near you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole should be introduced into the drive side in a marked hole on the hub.

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary. Do not use a high-pressure washer.

ACCESSORIES WHEELS SUPPLIED WITH:

• BX 601 front quick-release M40140
• BX 601 rear quick-release M40141
• Removable UST valve 965 282 01
• Computer magnet M40540 (with front wheel)
• M7 spoke wrench M40494 (with rear wheel)
• Anti-ejection plugs 986 065 01 (with rear wheel)
• Free play bearing adjustment wrench M40123 (with rear wheel)
• User guide and warranty card

MAINTENANCE

Front hub assembly diameter conversion
Replacing the front axle and bearings
Replacing the rear axle
Maintaining and replacing the free wheel mechanism
Replacing the rear bearings
Replacing a spoke
Replacing the front rim
Replacing the rear rim

See 2009 TM, page 25
See 2009 TM, page 26
See 2007 TM, page 30
See 2007 TM, page 21
See 2003 TM, page 22
See 2003 TM, page 34
See 2007 TM, page 22
See 2006 TM, page 17

Refer to the website for quick and convenient access to information: www.tech-mavic.com
USE: use only on a Cross-country or Cross Mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty. Recommended maximum weight of the cyclist and equipment: 100 kg

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER

<table>
<thead>
<tr>
<th>Component</th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>735 g</td>
<td>870 g</td>
</tr>
</tbody>
</table>

WHEEL REFERENCES

<table>
<thead>
<tr>
<th>Component</th>
<th>Front</th>
<th>Rear</th>
<th>Pair</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference</td>
<td>105 356 10</td>
<td>105 357 13</td>
<td>105 358 14</td>
</tr>
</tbody>
</table>

RIMS

- Ø VALVE HOLE
  - Ø: 6.5 mm
  - Length: ≥ 32 mm

- RECOMMENDED TIRE WIDTH
  - Dimensions: Ø 26"
  - ETRTO 559 x 19C compatible and Tubeless UST
  - Recommended tire width: 1.5 to 2.3

When replacing the front rim:
1. With the valve hole near you, the raised indicator bump must be to the left of the valve hole.
2. The spoke in the first hole to the right of the valve hole is a non-braking spoke and should be introduced into the disc side.

When replacing the rear rim:
1. With the valve hole near you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole should be introduced into the drive side in a marked hole on the hub.

MAINTENANCE: Clean with a dry cloth or soapy water if necessary. Do not use a high-pressure washer.

HUBS

WHEEL BUILDING

REFERENCES AND LENGTHS

<table>
<thead>
<tr>
<th>Component</th>
<th>Front</th>
<th>Rear drive side</th>
<th>Rear non-drive side</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>995 401 01</td>
<td>length 261 mm (per 12 + 2 decorated, integrated nipples)</td>
<td>995 402 01</td>
</tr>
</tbody>
</table>

FEATURES:
Black round, straight pull Zicral spokes (with one decorated per wheel) with integrated, self-locking M7 aluminum spoke nipples

LACING PATTERN:
Front: 2-cross lacing on both sides
Rear: Isopulse

TENSION:
Front disc side: 120 to 140 kg
Rear drive side: 120 to 140 kg

ACCESSORIES WHEELS SUPPLIED WITH:
- BX 601 front quick-release M40140
- BX 601 rear quick-release M40141
- Removable UST valve 995 282 01
- Computer magnet M40540 (with front wheel)
- M7 spoke wrench M40494 (with rear wheel)
- Anti-ejection plugs 996 065 01 (with rear wheel)
- Free play bearing adjustment wrench M40123 (with rear wheel)
- User guide and warranty card

MAINTENANCE

- Front hub assembly diameter conversion
- Replacing the front axle and bearings
- Replacing the rear axle
- Maintaining and replacing the free wheel mechanism
- Replacing the rear bearings
- Replacing a spoke
- Replacing the front rim
- Replacing the rear rim

Refer to the website for quick and convenient access to information: www.tech-mavic.com
**USE**: use only on a Cross-country or Cross Mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty. Recommended maximum weight of the cyclist and equipment: 100 kg

**WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER**

- Front: 745 g
- Rear: 880 g

**WHEEL REFERENCES**

- Front: 105 390 10
- Rear: 105 351 13
- Pair: 105 391 14

**RIMS**

- Ø VALVE HOLE
  - Ø: 6.5 mm
  - Length: ≥ 32 mm

**RECOMMENDED TIRE WIDTH**

- Dimensions: Ø 26'
- ETRTO 559 x 19C compatible and Tubeless UST
- Recommended tire width: 1.5 to 2.3

**MAINTENANCE**

- Clean with a dry cloth or soapy water if necessary.
- Do not use a high-pressure washer.

**FEATURES**

- Black round, straight pull Zicral spokes (with one decorated per wheel)
- With integrated, self-locking M7 aluminum spoke nipples

**LACING PATTERN**

- Front: 2-cross lacing on both sides
- Rear: Isopulse

**TENSION**

- Front disc side: 120 to 140 kg
- Rear drive side: 120 to 140 kg

**WHEEL BUILDING**

**REFERENCES AND LENGTHS**

- Front: 995 401 01, length 261 mm (per 12 + 2 decorated, integrated nipples)
- Rear: 995 402 01, length 248 mm (per 12, integrated nipples)
- Pair: 995 403 01, length 263 mm (per 12 + 2 decorated, integrated nipples)

**ACCESSORIES**

- BX 601 rear quick-release M40141
- Removable UST valve 995 262 01
- Computer magnet M40540 (with front wheel)
- M7 spoke wrench M40494 (with rear wheel)
- Anti-ejection plugs 996 065 01 (with rear wheel)
- Free play bearing adjustment wrench M40123 (with rear wheel)
- User guide and warranty card

**WHEELS SUPPLIED WITH:**

- BX 601 rear quick-release M40141
- Removable UST valve 995 262 01
- Computer magnet M40540 (with front wheel)
- M7 spoke wrench M40494 (with rear wheel)
- Anti-ejection plugs 996 065 01 (with rear wheel)
- Free play bearing adjustment wrench M40123 (with rear wheel)
- User guide and warranty card

**MAINTENANCE**

- Replacing the front axle and bearings: See 2008 TM, page 24
- Replacing the rear axle: See 2007 TM, page 20
- Maintaining and replacing the free wheel mechanism: See 2007 TM, page 21
- Replacing the rear bearings: See 2003 TM, page 22
- Replacing a spoke: See 2003 TM, page 24
- Replacing the front rim: See 2007 TM, page 22
- Replacing the rear rim: See 2006 TM, page 17

Refer to the website for quick and convenient access to information: [www.tech-mavic.com](http://www.tech-mavic.com)
USE: use only on a Cross-country or Cross Mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty. Recommended maximum weight of the cyclist and equipment: 100 kg

MAINTENANCE:

- Clean with a dry cloth or soapy water if necessary. Do not use a high-pressure washer.
- When replacing the front rim:
  1. With the valve hole near you, the raised indicator bump must be to the left of the valve hole.
  2. The spoke in the first hole to the right of the valve hole is a non-braking spoke and should be introduced into the disc side.
- When replacing the rear rim:
  1. With the valve hole near you, the two raised indicator bumps must be to the right of the valve hole.
  2. The spoke in the first hole to the right of the valve hole should be introduced into the drive side in a marked hole on the hub.

REFERENCES AND LENGTHS:

995 401 01, length 261 mm (per 12 + 2 decorated, integrated nipples)
995 402 01, length 248 mm (per 12, integrated nipples)
995 403 01, length 263 mm (per 12 + 2 decorated, integrated nipples)

ACCESSORIES MAINTENANCE:

- BX 601 rear quick-release M40141
- Removable UST valve 995 262 01
- Computer magnet M40540 (with front wheel)
- M7 spoke wrench M40494 (with rear wheel)
- Anti-ejection plugs 996 065 01 (with rear wheel)
- Free play bearing adjustment wrench M40123 (with rear wheel)
- User guide and warranty card

WHEELS SUPPLIED WITH:

- BX 601 rear quick-release M40141
- Removable UST valve 995 262 01
- Computer magnet M40540 (with front wheel)
- M7 spoke wrench M40494 (with rear wheel)
- Anti-ejection plugs 996 065 01 (with rear wheel)
- Free play bearing adjustment wrench M40123 (with rear wheel)
- User guide and warranty card

MAINTENANCE:

- Fitting and removing the front wheel on the fork
- Replacing the front axle and bearings
- Replacing the rear axle
- Replacing the free wheel mechanism
- Replacing the rear bearings
- Replacing a spoke
- Replacing the front rim
- Replacing the rear rim

Refer to the website for quick and convenient access to information: www.tech-mavic.com
**USE:** use only on a Cross-country or Cross Mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty. Recommended maximum weight of the cyclist and equipment: 100 kg

<table>
<thead>
<tr>
<th>WHEEL WEIGHTS WITHOUT QUICK-RELEASE SKEWER</th>
<th>WHEEL REFERENCES INTERNATIONAL STANDARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front: 815 g</td>
<td>Front: 995 886 10</td>
</tr>
<tr>
<td>Rear: 935 g</td>
<td>Rear: 995 857 13</td>
</tr>
<tr>
<td>Rear:</td>
<td>Pair: 995 858 14</td>
</tr>
</tbody>
</table>

**SALES REFERENCES**

<table>
<thead>
<tr>
<th>RIMS</th>
<th>Front: 996 063 10</th>
<th>Rear: 995 063 13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø VALVE HOLE</td>
<td>Ø: 8.5 mm with 6.5 mm valve adaptor</td>
<td>Length: ≥ 32 mm</td>
</tr>
</tbody>
</table>

**RECOMMENDED TIRE WIDTH**

- Dimensions: Ø 29"
- ETRTO 622 x 19C compatible and Tubeless UST
- Recommended tire width: 1.5 to 2.3

**HUBS**

**MAINTENANCE:** Clean with a dry cloth or soapy water if necessary. Do not use a high-pressure washer.

**WHEEL BUILDING**

<table>
<thead>
<tr>
<th>REFERENCES AND LENGTHS:</th>
<th>Front</th>
<th>Rear drive side</th>
<th>Rear non-drive side</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front</td>
<td>996 066 01, length 292 mm (per 13, integrated nipples)</td>
<td>996 067 01, length 279 mm (per 12, integrated nipples)</td>
<td>996 068 01, length 293.5 mm (per 12, integrated nipples)</td>
</tr>
</tbody>
</table>

**FEATURES:** Black round, straight pull Zicral spokes (with one decorated per wheel) with integrated, self-locking M7 aluminum spoke nipples

**LACING PATTERN:**

- Front: 2-cross lacing on both sides
- Rear: Isopulse

**TENSION:**

- Front disc side: 110 to 130 kg
- Rear drive side: 120 to 140 kg

**ACCESSORIES WHEELS SUPPLIED WITH:**

- BX 601 front quick-release M40140
- BX 601 rear quick-release M40141
- Computer magnet M40540
- M7 spoke wrench M40494 (with rear wheel)
- UST valves 995 282 01
- Anti-ejection plugs 996 065 01 (with rear wheel)
- Free play bearing adjustment wrench M40123 (with rear wheel)
- User guide and warranty card

**MAINTENANCE**

- Front hub assembly diameter conversion
- Replacing the front axle and bearings
- Replacing the rear axle
- Maintaining and replacing the free wheel mechanism
- Replacing the rear bearings
- Replacing a spoke
- Replacing the front rim
- Replacing the rear rim

Refer to the website for quick and convenient access to information: [www.tech-mavic.com](http://www.tech-mavic.com)
**CROSSRIDE DISC 15 mm**

**USE:** use only on a Cross-country or Cross Mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg

### Wheel Weight Without Quick-Release Skewer

<table>
<thead>
<tr>
<th></th>
<th>INT (adapt)</th>
<th>CL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front</td>
<td>855 g</td>
<td>835 g</td>
</tr>
<tr>
<td>Rear</td>
<td>1,040 g</td>
<td>1,020 g</td>
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</tbody>
</table>

### Wheel References

<table>
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<tr>
<th></th>
<th>INT (adapt)</th>
<th>CL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front</td>
<td>107 522 10</td>
<td>835 g</td>
</tr>
<tr>
<td>Rear</td>
<td>996 180 13</td>
<td>996 180 13</td>
</tr>
<tr>
<td>Pair</td>
<td>107 523 14</td>
<td>106 546 13</td>
</tr>
</tbody>
</table>

### Rims

**Sales References**

Front and rear: 996 890 15

**Ø Valve Hole**

- Ø: 8.5 mm with 6.5 mm valve adaptor
- Length: ≥ 32 mm

**Recommended Tire Width**

Dimensions: Ø 26"

ETRTO 559 x 19C

Recommended tire width: 1.5 to 2.3

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### Hubs

**Maintenance:**

Clean with a dry cloth or soapy water if necessary.

Do not use a high-pressure washer.

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### Wheel Building

**References and Lengths:**

Front and rear: 985 435 01, length 271 mm (per 12, with nipples)

**Features:**

- Black bladed straight pull steel spokes with brass nipples

**Lacing Pattern:**

Front and rear: 2-cross lacing on both sides

**Tension:**

- Front: 100 to 120 kg
- Rear drive side: 120 to 140 kg

---

### Accessories

**Wheels Supplied With:**

- Conventional alu quick-release skewer on rear: M40351
- Rim tape 559x20x0.6
- User guide

**Maintenance**

- Replacing the front axle and bearings
- See 2010 TM, pages 21 and 22
- Replacing the rear axle
- See 2004 TM, page 20
- Maintaining and replacing the free wheel mechanism
- See 2007 TM, page 21
- Replacing the rear bearings
- See 2004 TM, page 22
- Replacing a spoke
- See 2004 TM, page 25
- Replacing the front rim
- See 2004 TM, page 28
- Replacing the rear rim
- See 2004 TM, page 29

Refer to the website for quick and convenient access to information: [www.tech-mavic.com](http://www.tech-mavic.com)
DEEMAX ULTIMATE

USE: use only on a Cross Country or Cross Mountain MTB fitted with disc or rim brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, …) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and his equipment: 115 kg.

WHEEL WEIGHTS WITHOUT QUICK-RELEASE SKEWER

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>910 g</td>
<td>1055 g</td>
</tr>
</tbody>
</table>

WHEEL REFERENCES

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>996 562 10</td>
<td>996 563 13</td>
</tr>
</tbody>
</table>

FEATURES:
Black stainless steel flat straight pull spokes with integrated, self-locking M7 aluminum spoke nipples.

LACING PATTERN:
Front and rear: crossed 3 on both sides

DEEMAX ULTIMATE USE:
use only on a Cross Country or Cross Mountain MTB fitted with disc or rim brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, …) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and his equipment: 115 kg.

WHEEL WEIGHTS WITHOUT QUICK-RELEASE SKEWER

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</table>

FEATURES:
Black stainless steel flat straight pull spokes with integrated, self-locking M7 aluminum spoke nipples.

LACING PATTERN:
Front and rear: crossed 3 on both sides

TENSION:
Front disc side: 100 to 120 kg
Rear drive side: 110 to 130 kg

To consult this information quickly in a practical manner, refer to www.tech-mavic.com

See 2008 TM, page 24
See 2009 TM, page 25
See 2009 TM, page 29
See 2009 TM, page 30
See 2009 TM, page 41
See 2009 TM, pages 42/43
See 2009 TM, pages 44/45

When replacing the front rim:
1. With the valve hole near you, the raised indicator bump must be to the left of the valve hole
2. The spoke in the first hole to the right of the valve hole is a non-braking spoke and should be inserted in the disc side of the hub

When replacing the rear rim:
1. With the valve hole near you, the two raised indicator bumps must be to the right of the valve hole
2. The spoke in the first hole to the right of the valve hole is a non-driving spoke and should be inserted in the drive side of the hub
WARRANTY REMINDER
Before any repair of a Mavic wheel (or any other Mavic product), please note that it is guaranteed against manufacturing or material defects for a period of two years from the date of purchase by the original user.

This means that:
• During the warranty period and when it is clearly covered by the warranty (first contact your MSC), you must return the Mavic wheel (or any other Mavic product) directly to your MSC to benefit in full from the Mavic warranty.
• For repairs after the warranty period has expired, we advise you to refer to the following pages before carrying out work on the Mavic wheel. When replacing the rim, please note the new serial number of the rim on the original warranty card and the date of replacement.

Your customer's new rim will only be covered by the Mavic warranty if this procedure is followed.

REPAIRS
The following pages will help you maintain the wheels in the 2010 range and are laid out as follows:

HUBS .................................................................................................................................................................................................Pages 16 to 21
• Adjusting QRM SL hub bearings ..................................................................................................................................................Page 16
• Replacing the front axle and bearings on R-Sys SL – Clincher and R-Sys SL – Tubular wheels ..................................................Page 17
• Replacing the rear axle on R-Sys SL – Clincher and R-Sys SL – Tubular wheels ........................................................................Page 18
• Replacing the rear bearings on R-Sys SL – Clincher and R-Sys SL – Tubular wheels ..................................................................Page 19
• Replacing the front axle and bearings in the Crossride Disc 15 mm wheel ................................................................................Page 20 and 21

WHEEL BUILDING ..................................................................................................................................................................................Page 22 to 23
• Replacing the rear rim of the Aksium 10 wheel ..........................................................................................................................Page 22 to 23

Any maintenance operation not detailed in the following pages can be found in the technical manuals from previous years. Refer to the product sheets (pages 0 to 14 of this manual) for further details.

All these procedures can also be found on www.tech-mavic.com

Before any operation, we recommend removing:
• the wheel from the bike by releasing the quick-release skewer
• the skewer, the tire
• the cassette and chain disc (if necessary) for the rear wheel
• the brake disc (if necessary)
Tools needed:
- None

If you note play in the hub:
1) Start by retightening the quick-release skewer.
2) If you feel that it is tightened excessively and play still remains, the axle and the frame/fork support must be replaced. Follow the procedure below:

Front hub: the axle comes with 4 fork supports, identified by how many grooves they have. The length of the fork support increases, as the number of grooves decreases:

- 4 grooves = 15.00 mm
- 3 grooves = 15.10 mm
- 2 grooves = 15.20 mm
- 1 groove = 15.30 mm

Rear hub: the axle comes with 4 frame supports, identified by how many grooves they have. The length of the frame support increases, as the number of grooves decreases:

- 4 grooves = 19.80 mm
- 3 grooves = 19.90 mm
- 2 grooves = 20.00 mm
- 1 groove = 20.10 mm

**CAUTION:** depending on the position of the bearings and the axle’s machining tolerances, a frame/fork support that is too short may lead to play in the bearings. On the other hand, a frame/fork support that is too long can deform and irreversibly damage the bearings.

It is therefore important to use the correct length of frame/fork support. Proceed as follows:

- By hand, remove the fork support (clipped onto the axle) from the label side of the hub.
- First clip on the shortest fork support (4 grooves).
- Install the quick-release and mount the wheel on the fork or the frame and tighten the quick-release with sufficient force.
- Check to see if any play remains.

If play remains, repeat the previous operations with the next longer frame/fork support (3 grooves), and continue in this manner with the 4 frame/fork supports until the play disappears.

If play still remains with the longest frame/fork support (1 groove), the bearings and/or axle must be replaced. Consult the appropriate procedures for each wheel.
REPLACING THE AXLE AND BEARINGS ON FRONT WHEELS WITH QRM SL HUBS
(R-SYS SL – CLINCHER AND R-SYS SL – TUBULAR)

Tools needed:
• Bearing press kit for bearings 323 909 01

Removal

By hand, remove the fork support (clipped onto the axle) from the label side of the hub.

Push the axle to remove it from the hub.

Use the bearing kit to extract the bearings 323 909 01.

Reassembly

Use the bearing kit to fit the bearings 323 909 01.

Introduce the axle into the side opposite the hub label.

Select the fork support optimizing the play adjustment using the QRM SL bearing play adjustment procedure.
REPLACING THE AXLE ON REAR WHEELS WITH QRM SL HUBS
(R-SYS SL – CLINCHER AND R-SYS SL – TUBULAR)

Tools needed:
• 1 x 5 mm Allen wrench
• 1 x 10 mm Allen wrench

The cassette does not need to be removed to perform this operation. Nevertheless, it is no longer possible to remove the cassette when the free wheel body is no longer in place on the hub.

Removal

- By hand, remove the frame support (clipped onto the axle) from non-drive side.
- Fit the 5 mm Allen wrench in the axle on the drive side and the 10 mm Allen wrench on the non-drive side. Unscrew the axle.
- Remove the axle by pushing on the screw at the end of the axle, drive side.

**CAUTION:** the free wheel body is now free and can be extracted easily.

Reassembly

- Refit the new axle (tightening torque 15 Nm).
- Select the fork support optimizing the play adjustment using the QRM SL bearing play adjustment procedure.

The axle end screw of all QRM SL type hubs now features a dry threadlocker compound on the threads. This prevents untimely loosening of the part.
This threadlocker becomes less effective after 4 to 5 removal/installation operations, after which the axle end screw should be replaced.

The axle end screws can be ordered separately from the complete axles using the following references:

<table>
<thead>
<tr>
<th>Road bikes</th>
<th>Steel M10/ED11</th>
<th>324 130 01</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Titanium M10/ED11</td>
<td>995 489 01</td>
</tr>
<tr>
<td>MTB wheels</td>
<td>Steel HG9</td>
<td>324 219 01</td>
</tr>
<tr>
<td></td>
<td>Titanium HG9</td>
<td>995 470 01</td>
</tr>
</tbody>
</table>
REPLACING QRM SL BEARINGS ON THE REAR WHEELS (R-SYS SL – CLINCHER AND R-SYS SL – TUBULAR)

Tools needed:
• 1 bearing press kit for SL bearings: 323 909 01

Remove the axle (see page 18) and remove the free wheel mechanism following the procedures specific to each hub (refer to www.tech-mavic.com or the technical manuals from previous years).

Use the bearing kit to extract the bearings 323 909 01. Fit the new bearings using bearing kit 323 909 01.

Refit the free wheel mechanism following the procedures specific to each hub (refer to www.tech-mavic.com or the technical manuals of previous years) and fit the axle back in place (see page 18).
REPLACING THE FRONT BEARINGS AND AXLE OF THE CROSSRIDE DISC 15 MM WHEEL

Tools needed:
• 1 external circlip pliers (axle)
• 1 internal circlip pliers (bearings)
• 1 fine-tip flat screwdriver
• 1 standard bearing rod
• 1 bearing press kit 108 850 01
• 1 bearing press kit 996 887 01
• 1 hammer

Removing the axle

- Remove the dust cover from the non-disc side:
  - Insert a small flat screwdriver into the slots provided and gently and successively raise one side then the other.
  - Finish the extraction by hand by pulling the cover parallel to the axle.

- Remove the circlip using an external circlip pliers.
- Remove the tapered washer, the pin and flat washer by taping gently on the axle, disc side (Caution: be careful not lose these 3 elements!).
- Remove the axle from the disc side.

Removing bearings

- Insert the bearing press from the disc side and remove the non-disc side bearing to the outside (be careful not to damage the circlip near the bearing).
- From the non-disc side, using an interior circlip pliers, remove the first interior circlip (non-disc side) then the second interior circlip (disc side).
- From the disc side, using the bearing press 108 850 01, remove the disc side bearing toward the outside.

CAUTION: the extraction operation may result in irreparable damaged to the bearings. In this case, the bearings must be replaced.
Replacing bearings

Insert the new disc side bearing via the non-disc side and push it home with press kit 996 887 01.

From the non-disc side, using an interior circlip pliers, refit the second interior circlip (disc side) in its groove, followed by the first interior circlip (non-disc side) in its groove.

Using press bearing kit 996 887 01, fit the new non-disc side bearing.

Replacing the axle

Insert the axle from the disc side.

Using an external circlip pliers, replace the external circlip on the axle, non-disc side. Make sure that the circlip is correctly positioned in its groove by pressing on 3 points.

Fit the non-disc side flat washer.

Maintain pressure on the axle, on the non-disc side, and simultaneously press on the pin at 3 points with a screwdriver (2 at the end + center) to slide it inside.

Assemble the pin and the tapered washer (the pin must fit into the groove on the edge of the tapered washer).

Using press bearing kit 996 887 01, fit the new non-disc side bearing.

Release the pressure. The pin fits into position and adjusts the play automatically.

Mount the pin / washer assembly on the non-disc side by presenting the conical part toward the inside, and the grooved part toward the outside.

Replace the dust cover by pushing it parallel to the axle.
WHEEL BUILDING

REPLACING THE REAR RIM OF THE AKSIUM 10 WHEEL

Tools needed:
• Spoke wrench
• Aerodynamic spoke wrench M40567
• Mavic tensiometer 995 643 01 + tension-reading conversion chart supplied

The spoke reference and length to be used are indicated in the product pages.

These wheels must be fitted as follows:
- The spokes are fitted radially on the non-drive side and in a 2-cross pattern on the drive side.
- Free wheel facing you: The driving spokes pass over the non-driving spokes, along their full length.

Prepare the spokes by screwing a nipple onto each spoke 3 turns.

Start with the non-drive side (shortest spokes).

With the valve hole near you, insert a spoke head first into the second hole to the right of the valve hole, then continue with every second hole.

The first spoke on the non-drive side must be placed in a notch located opposite a notch on the drive side.

Clip the hub cap on the hub flange. (This will help you to keep the spokes in place during this operation)

Insert each spoke head into the housings of the non-drive hub, from the outside of the flange.
Drive side, start building the wheel with the non-drive spokes.

Turn the wheel over, then insert the remaining spokes (the longer ones) into the hub’s remaining holes.

The 2nd spoke to the right of the valve hole is a non-traction spoke and will be on the inside: Insert it into the slot of the hub notch and do the same for every fourth spoke.

The 4th spoke to the right of the valve hole is a traction spoke and will be on the outside: Insert it into the slot of the hub notch and do the same for all the remaining spokes.

Screw each of the nipples uniformly (1 spoke wrench turn for each spoke and per wheel turn) to tension the wheel, while checking the proper position of their head in the bottom of the hub groove to prevent spoke displacement or hub breakage.

Check that all the non-traction spokes are located on the inside of the layer and that the traction spokes are on the outside.

Tension the wheel and center it definitively respecting the spoke tension indicated on the product pages (page 08).

No threadlock is necessary since the spoke nipples of the rear Aksium 10 wheel are ABS.
WINTECH USB ULTIMATE

USE: use only on a road bike, tandem, asphalt bike or a cross-country or mountain cross MTB. Any other use (such as on an Extreme MTB, cyclo-cross bike, …) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

WEIGHT: Computer: 35 g
Heart belt: 55 g

REFERENCE: 107 627 01

SPARE PARTS

MAINTENANCE: Clean with a dry cloth, or slightly damp if necessary.
Do not use a high-pressure washer.
Avoid extended storage behind a window exposed to direct sunlight.

ACCESSORY PART NUMBERS

Computer battery cover kit 996 100 01
Heart belt battery cover kit 995 442 01
1-battery kit CR2430 (computer) 996 099 01
10-battery kit CR2032 (heart belt) M40412

OPERATING SCOPE

Power source: Computer: battery CR2430
Heart belt: battery CR2032
Circumference: Minimum: 1,500 mm, Maximum: 2,500 mm
Units: Metric (km, m, °C) or imperial (miles, ft, °F)
Time format: 24-hour display only
Water resistance: Resistant to rainwater.
The electronic components must not be fully submerged or subjected to a high-pressure washer.
Operating temperature range: -10 °C to + 50 °C / 14 °F to 122 °F
Maximum receiving distances:
Speed: 2 meters
Cumulative odometer: Up to 99,999 km or miles
Trip distance: Up to 1,999.99 km or miles
Stopwatch: Up to 19:59:59
Rate (optional): 10 to 160 rpm
Speed: 4 to 99 km/h or 2.5 to 62 mph
Vertical speed: -500 m to + 5,000 m or -1,640 ft to +16,400 ft
Altitude: 0 to 2,500 mph or 0 to 8,200 tph
Heart rate: 25 to 240 beats/minute
Internal memory: Up to 10 recordings of 5 hours each

After fitting the computer, it MUST be synchronized digitally before using it for the first time, as described in the instructions supplied with the computer.
Failure to do this will result in no communication between the computer and the various sensors, and your system will not function.
WINTECH USB HR

**USE:** use only on a road bike, tandem, asphalt bike or a cross-country or mountain cross MTB. Any other use (such as on an Extreme MTB, cyclo-cross bike, ...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

**WEIGHT:**
- Computer: 35 g
- Heart belt: 55 g

**REFERENCE:** 107 626 01

**SPARE PARTS**

**MAINTENANCE:**
- Clean with a dry cloth, or slightly damp if necessary.
- Do not use a high-pressure washer.
- Avoid extended storage behind a window exposed to direct sunlight.

**ACCESSORY PART NUMBERS**

- **Computer battery cover kit:** 996 100 01
- **Heart belt battery cover kit:** 995 442 01
- **1-battery kit CR2430 (computer):** 996 099 01
- **10-battery kit CR2032 (heart belt):** M40412

**OPERATING SCOPE**

- **Power source:**
  - Computer: battery CR2430
  - Heart belt: battery CR2032
- **Circumference:**
  - Minimum: 1,500 mm, Maximum: 2,500 mm
- **Units:**
  - Metric (km) or imperial (miles)
- **Time format:**
  - 24-hour display only
- **Water resistance:**
  - Resistant to rainwater. The electronic components must not be fully submerged or subjected to a high-pressure washer.
- **Operating temperature range:**
  - -10 °C to + 50 °C / -14 °F to 122 °F
- **Maximum receiving distances:**
  - Speed: 2 meters
  - Rate: 2 meters
- **Cumulative odometer:**
  - Up to 99,999 km or miles
  - Up to 1,999.99 km or miles
- **Stopwatch:**
  - Up to 19:59:59
- **Speed:**
  - 4 to 99 km/h or 2.5 to 62 mph
- **Rate (optional):**
  - 10 to 180 rpm
- **Heart rate:**
  - 25 to 240 beats/minute
- **Internal memory:**
  - Up to 10 recordings of 5 hours each

After fitting the computer, it MUST be synchronized digitally before using it for the first time, as described in the instructions supplied with the computer. Failure to do this will result in no communication between the computer and the various sensors, and your system will not function.
WINTECH USB ALTI

USE: use only on a road bike, tandem, asphalt bike or a cross-country or mountain cross MTB. Any other use (such as on an Extreme MTB, cyclo-cross bike, …) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

WEIGHT: 35 g

REFERENCE: 107 625 01

MAINTENANCE: Clean with a dry cloth, or slightly damp if necessary.
Do not use a high-pressure washer.
Avoid extended storage behind a window exposed to direct sunlight.

SPARE PARTS

ACCESSORY PART NUMBERS

Computer battery cover kit 996 100 01
1-battery kit CR2430 (computer) 996 099 01

OPERATING SCOPE

Power source: Computer: battery CR2430
Circumference: Minimum: 1,500 mm, Maximum: 2,500 mm
Units: Metric (km, m, °C) or imperial (miles, ft, °F)
Time format: 24-hour display only
Water resistance: Resistant to rainwater.
The electronic components must not be fully submerged or subjected to a high-pressure washer.
Operating temperature range: -10 °C to + 50 °C / 14 °F to 122 °F

Maximum receiving distances: Speed: 2 meters
Cumulative odometer: Rate: 2 meters
Trip distance: Up to 99,999 km or miles
Up to 1,999.99 km or miles
Stopwatch: Up to 19:59:59
Speed: 4 to 99 km/h or 2.5 to 62 mph
Rate (optional): 10 to 180 rpm
Altitude: -500 m to + 5,000 m or -1,640 ft to +16,400 ft
Vertical speed: 0 to 2,500 mph or 0 to 8,200 fph
Internal memory: Up to 10 recordings of 5 hours each

After fitting the computer, it MUST be synchronized digitally before using it for the first time, as described in the instructions supplied with the computer. Failure to do this will result in no communication between the computer and the various sensors, and your system will not function.
Use: use only on a road bike, tandem, asphalt bike or a cross-country or mountain cross MTB. Any other use (such as on an Extreme MTB, cyclo-cross bike,...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

**WEIGHT:** 35 g

**REFERENCE:** 107 624 01

**REFERENCE:**

107 624 01

**WEIGHT:**

35 g

**ACCESSORY PART NUMBERS**

<table>
<thead>
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<th>Computer battery cover kit</th>
<th>996 100 01</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-battery kit CR2430 (computer)</td>
<td>996 099 01</td>
</tr>
</tbody>
</table>

**MAINTENANCE:** Clean with a dry cloth, or slightly damp if necessary. Do not use a high-pressure washer. Avoid extended storage behind a window exposed to direct sunlight.

**SPARE PARTS**

**OPERATING SCOPE**

<table>
<thead>
<tr>
<th>Power source:</th>
<th>Computer: battery CR2430</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circumference:</td>
<td>Minimum: 1,500 mm, Maximum: 2,500 mm</td>
</tr>
<tr>
<td>Units:</td>
<td>Metric (km) or imperial (miles)</td>
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<td>Time format:</td>
<td>24-hour display only</td>
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<tr>
<td>Water resistance:</td>
<td>Resistant to rainwater. The electronic components must not be fully submerged or subjected to a high-pressure washer.</td>
</tr>
<tr>
<td>Operating temperature range:</td>
<td>-10 °C to + 50 °C / 14 °F to 122 °F</td>
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</tbody>
</table>

<table>
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<tr>
<th>Maximum receiving distances:</th>
<th>Speed: 2 meters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cumulative odometer:</td>
<td>Rate: 2 meters</td>
</tr>
<tr>
<td>Trip distance:</td>
<td>Up to 99,999 km or miles</td>
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<tr>
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<tr>
<td>Rate (optional):</td>
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<tr>
<td>Internal memory:</td>
<td>Up to 10 recordings of 5 hours each</td>
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After fitting the computer, it MUST be synchronized digitally before using it for the first time, as described in the instructions supplied with the computer. Failure to do this will result in no communication between the computer and the various sensors, and your system will not function.
**USE:** use only on a road bike, tandem, asphalt bike or a cross-country or mountain cross MTB. Any other use (such as on an Extreme MTB, cyclo-cross bike, …) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

**WEIGHT:** Quick-release sensor: 66 g  
Computer bracket: 21.5 g  
Magnet: 5.5 g

**REFERENCE:** 107 630 01

**SPARE PARTS**

**MAINTENANCE:** Clean with a dry cloth, or slightly damp if necessary.  
Do not use a high-pressure washer.  
Avoid extended storage behind a window exposed to direct sunlight.

**ACCESSORY PART NUMBERS**

<table>
<thead>
<tr>
<th>Part Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery cover kit</td>
<td>995 441 01</td>
</tr>
<tr>
<td>10-battery kit CR2032</td>
<td>M40412</td>
</tr>
<tr>
<td>Wintech USB computer bracket (all versions)</td>
<td>108 232 01</td>
</tr>
<tr>
<td>Magnet</td>
<td>M40540</td>
</tr>
</tbody>
</table>

**OPERATING SCOPE**

- **Power source:** Sensor: battery CR2032
- **Water resistance:** The electronic components must not be fully submerged or subjected to a high-pressure washer.
- **Operating temperature range:** -10 °C to + 50 °C / 14 °F to 122 °F
- **Maximum transmission distances:** 2 meters

After fitting the computer, it MUST be synchronized digitally before using it for the first time, as described in the instructions supplied with the computer. Failure to do this will result in no communication between the computer and the various sensors, and your system will not function.
USE: use only on a road bike, tandem, asphalt bike or a cross-country or mountain cross MTB. Any other use (such as on an Extreme MTB, cyclo-cross bike, ...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

REFERENCE: 107 629 01

WEIGHT:
- Sensor: 28 g
- Computer bracket: 21.5 g
- Magnet: 5.5 g

MAINTENANCE: Clean with a dry cloth, or slightly damp if necessary.
Do not use a high-pressure washer.
Avoid extended storage behind a window exposed to direct sunlight.

ACCESSORY PART NUMBERS
- Battery cover kit: 995 441 01
- 10-battery kit CR2032: M40412
- Wintech USB computer bracket (all versions): 108 232 01
- Magnet: M40540
- Adjustment magnets kit: 996 102 01

OPERATING SCOPE
- Power source: Sensor: battery CR2032
- Water resistance: The electronic components must not be fully submerged or subjected to a high-pressure washer.
- Operating temperature range: -10 °C to + 50 °C / 14 °F to 122 °F
- Maximum transmission distances: 2 meters

After fitting the computer, it MUST be synchronized digitally before using it for the first time, as described in the instructions supplied with the computer. Failure to do this will result in no communication between the computer and the various sensors, and your system will not function.
**USE:** use only on a road bike, tandem, asphalt bike or a cross-country or mountain cross MTB. Any other use (such as on an Extreme MTB, cyclo-cross bike, ...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

**WEIGHT:**
- Sensor: 15 g
- Computer bracket: 21.5 g
- Magnet: 5.5 g

**REFERENCE:** 107 628 01

**SPARE PARTS**

**MAINTENANCE:** Clean with a dry cloth, or slightly damp if necessary.
Do not use a high-pressure washer.
Avoid extended storage behind a window exposed to direct sunlight.

**ACCESSORY PART NUMBERS**

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery cover kit</td>
<td>995 441 01</td>
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<tr>
<td>10-battery kit CR2032</td>
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<td>WinTech USB computer bracket (all versions)</td>
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<td>Magnet</td>
<td>M40540</td>
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<tr>
<td>Retaining straps</td>
<td>M40390</td>
</tr>
</tbody>
</table>

**OPERATING SCOPE**

| Power source:            | Sensor: battery CR2032 |
| Water resistance:        | The electronic components must not be fully submerged or subjected to a high-pressure washer. |
| Operating temperature range: | -10 °C to +50 °C / 14 °F to 122 °F |
| Maximum transmission distances: | 2 meters |

After fitting the computer, it MUST be synchronized digitally before using it for the first time, as described in the instructions supplied with the computer. Failure to do this will result in no communication between the computer and the various sensors, and your system will not function.
Use: use only on a road bike, tandem, asphalt bike or a cross-country or mountain cross MTB. Any other use (such as on an Extreme MTB, cyclo-cross bike, …) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

**REFERENCE:** 107 631 01

**WEIGHT:** Sensor: 12.5 g

**ACCESSORY PART NUMBERS**

<table>
<thead>
<tr>
<th>Battery cover kit</th>
<th>108 231 01</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-battery kit CR2032</td>
<td>M40412</td>
</tr>
<tr>
<td>Ankle Band kit</td>
<td>108 230 01</td>
</tr>
</tbody>
</table>

**SPARE PARTS**

MAINTENANCE: Clean with a dry cloth, or slightly damp if necessary. Do not use a high-pressure washer. Avoid extended storage behind a window exposed to direct sunlight.

**OPERATING SCOPE**

- **Power source:** Computer: battery CR2032
- **Water resistance:** The electronic components must not be fully submerged or subjected to a high-pressure washer.
- **Operating temperature range:** -10 °C to + 50 °C / 14 °F to 122 °F
- **Maximum transmission distances:** 2 meters

After fitting the computer, it MUST be synchronized digitally before using it for the first time, as described in the instructions supplied with the computer. Failure to do this will result in no communication between the computer and the various sensors, and your system will not function.
# TOOLS

<table>
<thead>
<tr>
<th>REFERENCE</th>
<th>DESCRIPTION</th>
<th>PRODUCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>108 850 01</td>
<td>Bearing press kit for the bearings of 10/15 mm Crossride front hubs</td>
<td></td>
</tr>
<tr>
<td>M40119</td>
<td>Bearing press kits for bearings: M40075 M40076</td>
<td></td>
</tr>
<tr>
<td>M40120</td>
<td>Bearing press kits for bearings: M40077 M40078</td>
<td></td>
</tr>
<tr>
<td>323 909 01</td>
<td>Bearing press kit for QRM SL bearings</td>
<td></td>
</tr>
<tr>
<td>M40373</td>
<td>Guide ring and bearing press kit for bearings: M40318 M40660</td>
<td></td>
</tr>
<tr>
<td>M40218</td>
<td>Bearing press kit for bearings: M40179</td>
<td></td>
</tr>
<tr>
<td>323 945 01</td>
<td>Bearing press kit for bearings: M40771</td>
<td></td>
</tr>
<tr>
<td>324 170 01</td>
<td>Bearing press kit for bearings: 324 170 01</td>
<td></td>
</tr>
<tr>
<td>996 887 01</td>
<td>Bearing press kit for hub bearings 9/15: 996 885 01 and 996 886 01</td>
<td></td>
</tr>
<tr>
<td>996 901 01</td>
<td>Bearing press kit for bearings M40076 used in ITS4 free wheel system hubs</td>
<td></td>
</tr>
</tbody>
</table>

A+B: Press kit for the front wheel.
A+C: Press kit for the rear wheel.
D: Press kits for the front and rear wheels.
E: Press kits for the front and rear wheel bearings.
F: Guide ring for the 12 mm hex key required to remove the free wheel from Crossroc UST, Crossroc UST Disc, Crossride, Crossride Ceramic, Cosmos and Cosmic Elite wheels.
<table>
<thead>
<tr>
<th>REFERENCE</th>
<th>DESCRIPTION</th>
<th>PRODUCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>996 080 01</td>
<td>TraComp ring tool</td>
<td></td>
</tr>
<tr>
<td>995 643 01</td>
<td>Mavic tensiometer for all Mavic wheels</td>
<td></td>
</tr>
<tr>
<td>M40001</td>
<td>Spoke adjustment wrench for Cosmic Carbone, Cosmic Carbone SSC, Cosmic Carbone SL and Cosmic Carbone SLR wheels</td>
<td></td>
</tr>
<tr>
<td>101 295 01</td>
<td>R2R spoke head tool</td>
<td></td>
</tr>
<tr>
<td>323 908 01</td>
<td>Cosmic Carbone Pro spoke wrench kit + aerodynamic spoke wrench</td>
<td></td>
</tr>
<tr>
<td>M40567</td>
<td>Aerodynamic spoke wrench kit</td>
<td></td>
</tr>
<tr>
<td>996 079 01</td>
<td>TraComp spoke wrench kit</td>
<td></td>
</tr>
<tr>
<td>M40652</td>
<td>Zamak spoke tightening wrench kit for Fore M7 pierced wheels (except R-Sys)</td>
<td></td>
</tr>
<tr>
<td>M40630</td>
<td>Screw-in eye tightening wrench kit for Fore M9 pierced wheels and rims</td>
<td></td>
</tr>
<tr>
<td>996 220 01</td>
<td>Cosmic Carbone Ultimate spoke wrench kit</td>
<td></td>
</tr>
<tr>
<td>REFERENCE</td>
<td>DESCRIPTION</td>
<td></td>
</tr>
<tr>
<td>-----------</td>
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<td></td>
</tr>
</tbody>
</table>
| 323 477 01 | Multifunction tool:  
Removing the UST Tubeless rim tape (A)  
Fitting the UST® rim tape  
Adjusting the front axles on the Cosmos, Ksyrium Équipe, Crossland, Crossmax Enduro, Crossmax Enduro Disc, Cosmic Elite 05 and Speedcity 05, Aksium, and Crossride 06 wheels, Crossride Disc, Crosstrail, Crosstrail Disc, Aksium 08, Ksyrium Équipe 08, Crossride UB/Disc 08, Crossride UB (B), Aksium 10 |
| M40123 | Hub wrench for adjusting the play on Mavic QRM+ hubs |
| 99613601 | Mavic mineral oil for lubricating FTS, FTS-L, FTS-X and ITS4 free wheel bodies.  
Content 60 ml.  
Use this oil only for lubricating FTS, FTS-L, FTS-X and ITS4 free wheel bodies |
| 99620401 | Mavic threadlocker.  
Content 5 ml. |
| M40410 | Mavic abrasive rubber rim stone for cleaning the braking surface of the rim, Ceramic or UB Control |