E-bike Chainguard Installation Instructions
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Introduction
Congratulations on your Full Speed Ahead product. Please read these instructions and follow them for correct use. Failure to follow the warnings and instructions could result in damage to product not covered under warranty, damage to bicycle; or cause an accident resulting in injury or death. Since specific tools and experience are necessary for proper installation, it is recommended that the product be installed by a qualified bicycle technician. FSA & Vision assumes no responsibility for damages or injury related to improperly installed components.

Warranty
Full Speed Ahead (FSA) warrants all FSA, Vision, Metropolis and RPM products to be free from defects in materials or workmanship for a period of two years after original purchase unless otherwise stated in the full warranty policy. The warranty is non-transferable and valid to the original purchaser of the product only. Any attempt to modify the product in any way such as drilling, grinding, and painting will void the warranty. For more information on warranty policy and instructions for completing a warranty claim, check out the Full Warranty Policy found at our website: http://www.fullspeedahead.com/techdoc

Specification

<table>
<thead>
<tr>
<th>Item Number / Model Name</th>
<th>Description</th>
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<tr>
<td>Chainguard</td>
<td>W1121 (for 18T - 19T - 20T), W1122 (for 15T - 16T - 17T), W1125 (for 15T - 16T - 17T), W1126 (for 18T - 19T - 20T), W1002 (for 15T - 16T - 17T), W1129, W1133 (for 15T)</td>
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**Chainguard Installation:**

1. Place the chainguard on the crank and ensure the chainguard’s alignment pin and crank’s alignment hole fit together during assembly.
2. Press the chainguard to fit to the crank spindle insert.
3. Ensure the chainguard is securely snapped on to the crank.

**Identify the crank**

Check the crank for necessary Ø 3.1mm alignment hole near the spindle insert.
* Not all ISIS crank is compatible to the chainguard.

1. Identify the crank
2. Press the chainguard to fit to the crank spindle insert.
3. Ensure the chainguard wedge in the crank.
* Press the chainguard as the arrow in the illustration.

4. Place the MW549 Spacer onto motor axle with smooth side facing the motor and the recessed side facing outwards. Install crank and chainguard onto axle and tighten crank bolt to 400-600 kgf.cm / 40-60 N.m / 355-530 in.lbs.

**CAUTION**
The MW549 Spacer is for adjusting clearance between chainguard and chain or chainguard is mounted too loose on crank. The Spacer is not required when the clearance between chainguard and chain is correct, or the chainguard is securely snapped on to the crank.

Contact:
If you have questions, please visit our web site technical section: http://www.fullspeedahead.com/contact or contact:

Full Speed Ahead, USA
12212 Cyrus Way Mukilteo, WA 98275-5702
Tel: 1-425-489-1082 Fax: 1-425-489-1082

Full Speed Ahead, Europe
Via Del Levato, 56 20175 Milan, Italy
Tel: +39 025 849 3205 Fax: +39 025 849 3336

TH INDUSTRIES / FSA Asia
No.5, Wu-gang 8th Rd., Wufeng Dist., Taichung City 41353, Taiwan (R.O.C.)
Tel: +886-4-2351-0134 Fax: +886-4-2351-0134

Notes: Specifications of product may be changed or improved for performance. Please refer to website periodically for technical updates and revised instructions. Printed in Taiwan.