HANDLEBAR _ GRAVITY CONTROL® CARBON
Instruction Manual

Item no.: 7040000 (24 | 79) – Enduro
Item no.: 7040001 (14 | 15) – DH

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COMPONENTS

WARNING:

Please read before installation!

When you ride beyond your limits, cycling can be dangerous. Take a good look at the trails before you shred them, and don't follow an idiot. You should read our instructions carefully before assembly. **FAILURE TO FOLLOW** these instructions before installing and using Ambit components can result in long, boring, unintentional bike-riding breaks, as well as serious injury or death.

ARTICLE # AC025

ITEM NO: 7040000 (24 | 79)
RIDE INTENTION: CATEGORY 5 / ENDURO
STEM CLAMP WIDTH: 70MM MAX (70MM SHIM INCLUDED)
RISES AVAILABLE: 25MM, 35MM
WIDTH: 800MM
MINIMUM TRIM WIDTH: 750MM
CLAMPING TORQUE: 6-7NM
RIDER WEIGHT: 100KG MAX
FINISH: CARBON BLACK

WARRANTY

All Ambit parts are warranted for two years from the date of purchase against material defects and manufacturer workmanship. Warranty claims will require an original invoice and will be handled by a dealer specialist or Sport Import. The warranty does not apply to damage caused by riding outside of normal conditions and/or by misuse or failure to follow these instructions for use. Your statutory rights are not affected by this warranty.

ITEM NO: 7040001 (14 | 15)
RIDE INTENTION: CATEGORY 5 / DOWNHILL
STEM CLAMP WIDTH: 80MM MAX (80MM SHIM INCLUDED)
RISES AVAILABLE: 25MM, 35MM
WIDTH: 800MM
MINIMUM TRIM WIDTH: 750MM
CLAMPING TORQUE: 6-7NM
RIDER WEIGHT: 100KG MAX
FINISH: CARBON BLACK

PACKAGE CONTENTS

Carbon Fiber Handlebar

Aluminum 70 mm adapter shim for Enduro or 80 mm for DH stem fitment

REQUIRED TOOLS

Hex wrenches size 2.5mm, 3mm, 4mm, 5mm, 6mm and Torx T25 wrenches, according to specified stem and handlebar controls.

Torque wrench measuring in Newton Meters (NM)

Carbon paste

IMPORTANT

For proper stem attachment it requires a dedicated 70 mm aluminum adapter shim for the Enduro version of this handlebar (item no. 7040000 (24|79)) or a 80 mm shim for the DH version of this handlebar (item no. 7040001 (14|15)). Use only the supplied, original Ambit aluminum adapter shim with the corresponding handlebar.

1

REMOVE GRIPS

Remove grips and all other components from original handlebars.

2

REMOVE FACEPLATE & HANDLEBAR

Remove faceplate from stem and remove original handlebars.

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3

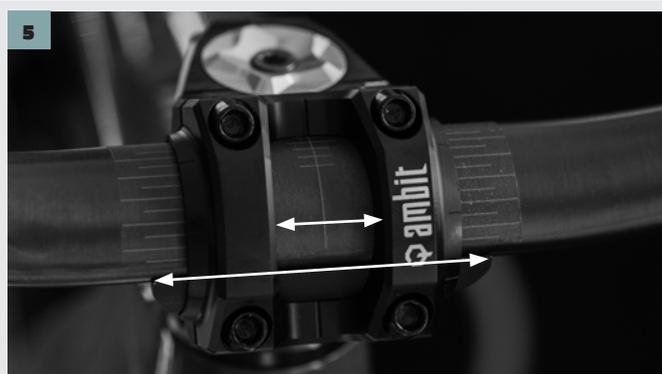### APPLY CARBON PASTE

Apply carbon paste to the entire surface where the Ambit handlebar and shim will make contact with each other and the stem.

4

INSTALL HANDLEBAR ON STEM

Install your Ambit carbon handlebar onto the stem and re-install the faceplate. At this point, it is critical to ensure the aluminum shim is installed correctly. The aluminum shim should be installed in a manner where it completes the shape of the handlebar to perfectly round, to properly fit into the 35 mm stem clamp. Thread in each faceplate bolt evenly and snugly. Do not tighten completely at this step. The handlebars should still rotate in the stem. Warning: Max stem clamp and face plate width: Enduro 70 mm | DH 80 mm

5

CENTER HANDLEBAR

Make sure handlebar is centered in stem, left to right, using graphics on handlebar as a guide. Pay close attention to ensure the shim is also centered, left to right, once again using the graphics as a guide.

6

SET ROTATIONAL

Rotate handlebar forward or backward into preferred rotational alignment.

7

TORQUE FACEPLATE BOLTS

Fully torque each faceplate bolt to the stem manufacturer's torque specifications. Warning: Do not exceed 7NM max torque, per Ambit.

8

RE-INSTALL PARTS

Re-install brake levers, shifters, dropper post lever, grips and accessories to desired positions. Warning: Follow manufacturer's torque specifications for all chosen items.

CUTTING

WARNING:

If you decide to cut down the handlebar width, Ambit highly recommends you have a professional bicycle mechanic perform this exercise for optimal safety and satisfaction. Only use a saw blade intended to cut carbon fiber/composite materials. Do not use a standard hacksaw blade, pipe cutter, grinder or any other method not intended for carbon fiber. Inhaling carbon fiber dust or remnants can be hazardous to your health. Wear proper PPE (personal protective equipment) such as a mask and long sleeves to avoid inhalation and contact. Clean your workspace carefully and completely after cutting is complete.

REQUIRED TOOLS

Hacksaw

Carbon cutting saw blade

Electrical tape

Saw guide

Bench vise

Fine grit sandpaper or emery stone

Safety glasses, face mask, long sleeves, proper ventilation

1 DOUBLE CHECK DESIRED WIDTH

Before cutting, make sure you double-check your desired handlebar width.

2 PUT ON PPE

Put on your PPE to protect from carbon fiber dust inhalation and skin contact.

3 APPLY ELECTRICAL TAPE ON HANDLEBAR

Apply electrical tape to the handlebar, right at the inside edge of your chosen cut line. This will help prevent the carbon fibers from fraying during the cutting process.

4 CHECK IF THE MARKING IS SYMMETRICAL

Make sure both ends of the handlebar are marked in an identical manner. Keep in mind that if you want your handlebars to be reduced from 800mm to 780mm, then 10mm should be removed from each end. Warning: 750mm minimum handlebar cut width.

5

INSERT HANDLEBAR INTO SAW GUIDE

After tightening the saw guide into the bench vise, insert the handlebar into the saw guide, making sure the desired cut line is perfectly aligned with the blade guide itself.
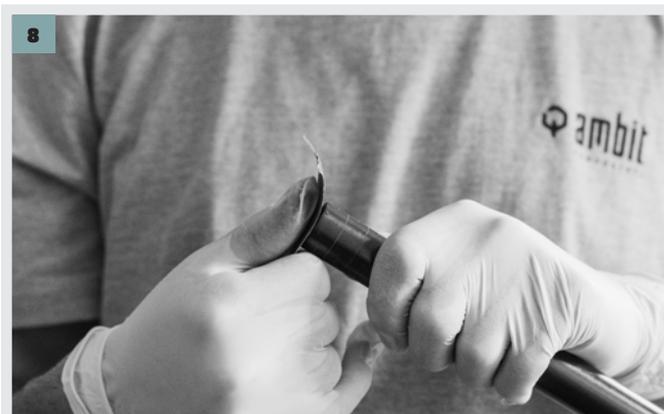
6

CUT THE HANDLEBAR

Cut the handlebars carefully and completely. Near completion, use less force on the saw blade to minimize the chance of fraying the carbon fibers during the final strokes.

7

CUT OTHER SIDE

Repeat on the other side.

8

REMOVE SHARP EDGES

Remove any burrs or sharp edges using fine grit sandpaper or an emery stone.

MAINTENANCE + TIPS

Before each ride, carefully check the handlebars for signs of damage. If service is required, you may need to visit a specialist dealer or send the component to Sport Import Service, Industriestrasse 39, 26188 Edewecht, Germany.

ENDURO

1	**7040000 (24 | 79)**	Carbon handlebar
2	**P7030001 07**	Aluminum 70mm adapter shim

DH

1	**7040001 (14 | 15)**	Carbon handlebar
2	**P7030001 08**	Aluminum 80mm adapter shim