

INSTALLATION

Before you start, determine which boomerang type you have (see other side). Clean and inspect your cranks, spider, chainring and chain. Replace worn or bent parts — they can hinder the performance of your Gamut chainguide.

SINGLE-RING CHAINGUIDE INSTALLATION

1. Mount your chainring on the middle position and the bashguard on the outer position of your drive-side crank.
2. Mount the boomerang. The top guide and bottom roller are pre-installed.

FOR ISCG05/ISCG MOUNTS (Figs. A & B)

- Use the provided screws and washers to attach the boomerang to your frame's ISCG05/ISCG mounts. For now, just snug the screws.

FOR BB MOUNTS (Fig. C)

- Mount the boomerang between your frame's drive-side bottom bracket cup and bottom bracket shell (see Fig. C). Do not tighten the cup yet.

With your suspension sagged, your chain should parallel the bottom of the upper guide. To achieve this, set the angle of the top arm to about 11 o'clock (see Fig. D). When turning the boomerang, go as far clockwise as possible without allowing the chain to contact the chainstay; also, the roller should not be below the roller limit line (see Fig. A).

ISCG05/ISCG MOUNTING TIP

- If you can't get the desired angle, flip the boomerang so the opposite side faces the frame. Remount the top guide and bottom roller.

3. Tighten the boomerang snugly.
4. Mount the drive-side crank arm. Don't forget the chain!
5. Adjust the top guide. Shift to your largest cog. There should be 0-3mm between the top guide and your chain (see Fig. E). The less space, the better.

IF THERE'S TOO MUCH SPACE

- The provided steel washers can be used to space the boomerang from the frame. Install plastic spacers between the top guide and boomerang. You'll have to remove and reinstall your crank.

BB MOUNT TIP

- Flipping the boomerang will give you additional adjustment. You'll have to re-mount the top guide and bottom roller.

IF THE CHAIN RUBS THE TOP GUIDE

- A few rides will wear the top guide down until it's a perfect fit. To get rid of the rubbing noise right away, file down the offending part of the top guide. If you file so far you hit the small mounting bolt, you can remove it with no ill effects.

IF THE CHAIN STILL RUBS THE TOP GUIDE

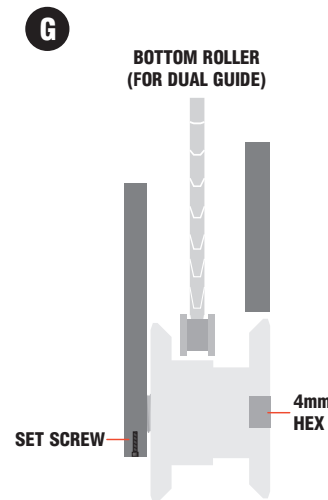
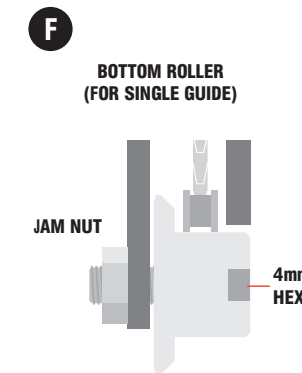
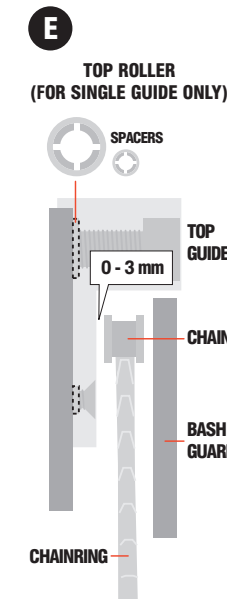
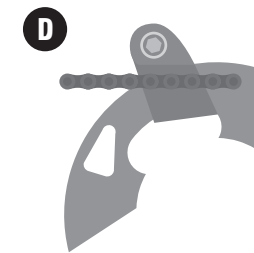
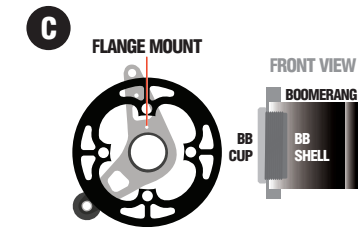
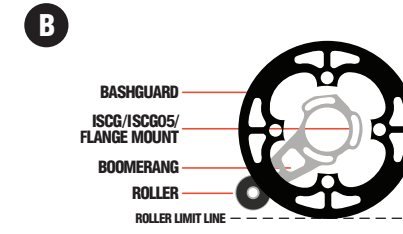
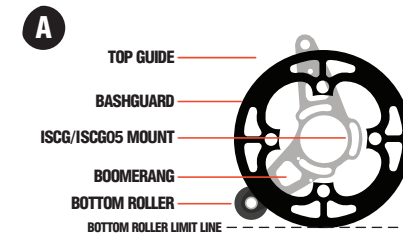
- Your bottom bracket spindle is probably too short for your bike. Gamut USA guides meet the latest 50 and 52mm chainline standards.

6. Adjust the bottom roller. Shift to your middle cog. Loosen the jam nut on the back of the roller axle. Screw the axle in or out using the 4mm hex until the chain is centered between the bashguard and roller flange. Lock the jam nut down with a 14mm hex wrench (see Fig. F).
7. Tighten every bolt and check your chain length.

DUAL-RING CHAINGUIDE INSTALLATION

Installing the Gamut dual-ring chainguide is similar to the single-ring chainguide: The positioning of the boomerang and adjustment of the roller are the keys to optimal performance.

1. Mount your chainring on the middle position and the bashguard on the outer position of your drive-side crank.
2. Mount the boomerang. See step #2 in **SINGLE-RING CHAINGUIDE INSTALLATION** regarding the differences between the three different mount types.
3. Tighten the boomerang snugly.
4. Mount the drive-side crank arm. Don't forget to route your chain through the front derailleur if you removed it.
5. Turn the crank to check for chain path and tension. Turn the boomerang as far clockwise as possible without allowing the chain to contact the chainstay; the bottom roller should also not be below the bottom roller limit line (see Fig. B). This will provide you with the best guidance possible.
6. Ensure that the chain is running smoothly on the appropriate large or small diameter step, depending on the gear you are in. At no point should the chain be running on the center ridge for an extended period of time. In order to fine tune the placement of the roller, loosen the 1.5mm set screw to free the axle. Take a 5mm hex and move the roller in or out to achieve the desired position. Once the roller is properly located, remove the 1.5mm set screw, **apply blue Loctite**, and retighten.



WARRANTY

The Gamut USA, Inc. warranty is valid for one year from the date of purchase for the replacement of components that fail due to defects in materials and/or workmanship.

THE FOLLOWING LIMITATIONS APPLY:

The determination of whether a defect in materials and/or workmanship is the cause of the issue leading to the warranty inquiry is at the sole discretion of Gamut USA, Inc.

The warranty does not cover damage caused by improper installation and/or lack of maintenance. Installation instructions are included with each unit and are also available on our website at www.gamutusa.com. Normal wear and tear is not covered by the warranty.

The use of the product for any reason other than its original, intended use voids the warranty. Products that have been altered or modified will not be covered under the warranty.

Gamut USA, Inc. requires a proof of purchase in the form of a receipt (if purchased from a retailer) or an invoice number (if purchased directly from Gamut USA, Inc.). Gamut USA, Inc. reserves the right to replace only a single component of the part in question to return it to working order. The customer is responsible for any applicable shipping charges for the return of the defective product to Gamut USA, Inc.

Gamut USA, Inc. accepts no liability for any damage to the bicycle and/or other bicycle components, injury, or inconvenience while using Gamut USA, Inc. products.

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REV. A, FEBRUARY 2010

DUAL-RING GUIDES



ISCG05 MOUNT



ISCG MOUNT



FLANGE MOUNT

SINGLE-RING GUIDES

