



Determining Your VanMoof S3/X3's Rear Cog Mounting Pattern



Split Belt Pro for VanMoof Fitment Guide

Veer's Split Belt Drive is compatible with the VanMoof's electric bicycle models, the S3 and X3, as well as the previous versions, the S2 and X2. The 2020 models of the S3/X3 come with either a 3-spline cog mounting pattern or a 9-spline cog mounting pattern. The customer must determine whether they have the 3-spline or the 9-spline cog. Starting in 2021 all S3/X3 bicycle models have the 9-spline cog mounting pattern.

How to Determine VanMoof S3/X3's Rear Cog Mounting Pattern

If the bicycle was purchased **after** January 1st, 2021 it has: "9-Spline" mounting pattern.

If the bicycle was purchased **before** January 1st, 2021 the rear cog will have to be removed to determine the mounting pattern.

1. Remove the rear wheel following VanMoof's tutorial video.
<https://www.youtube.com/watch?v=qehoD-6xbkl>
2. Remove the E-shifter unit following VanMoof's tutorial video.
<https://www.youtube.com/watch?v=FyDecZQhIAw>
3. Remove the cog retaining ring and the cog. This can be done with either a small flathead screwdriver or snap ring pliers.

Check the cog mounting pattern and determine the spline pattern.
(The hub side of the mounting surface has a 9-spline pattern for the e-shifter interface, so it is important to look at the cog itself)



Option 1: "9-Spline"

You should see 9 ridges on the inside of the cog.



Option 2: "3-Spline"

You should see 3 ridges on the inside of the cog.



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