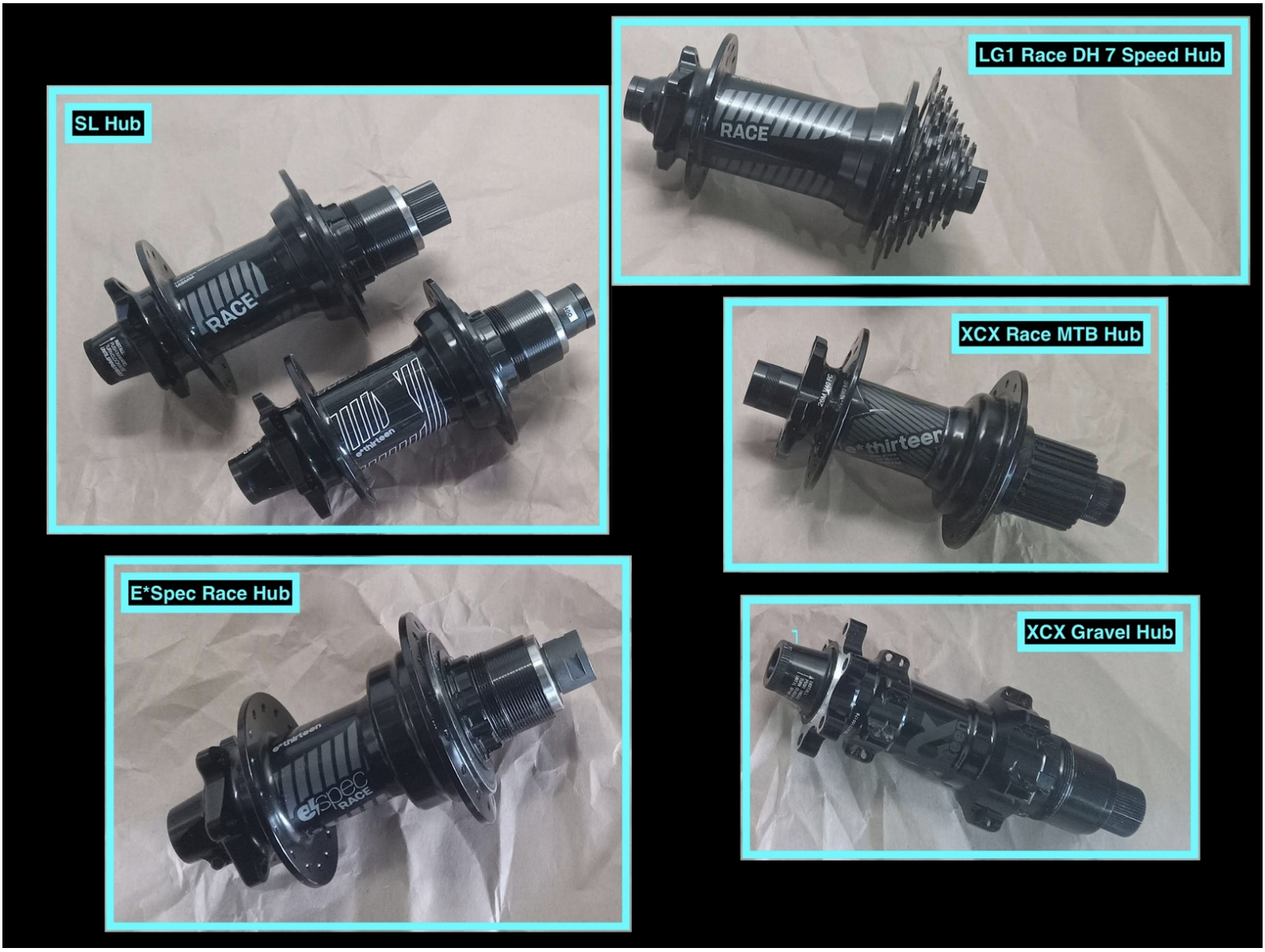
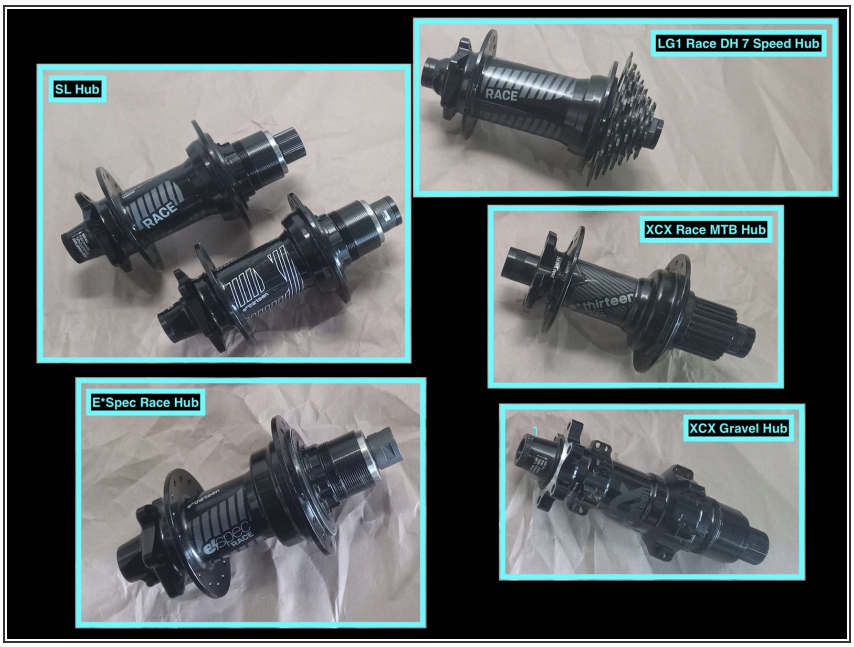
Freehub spacer arrangements on common hub models

This guide will help you to identify the correct freehub spacer arrangement for your hub.

Written By: Mike Begley



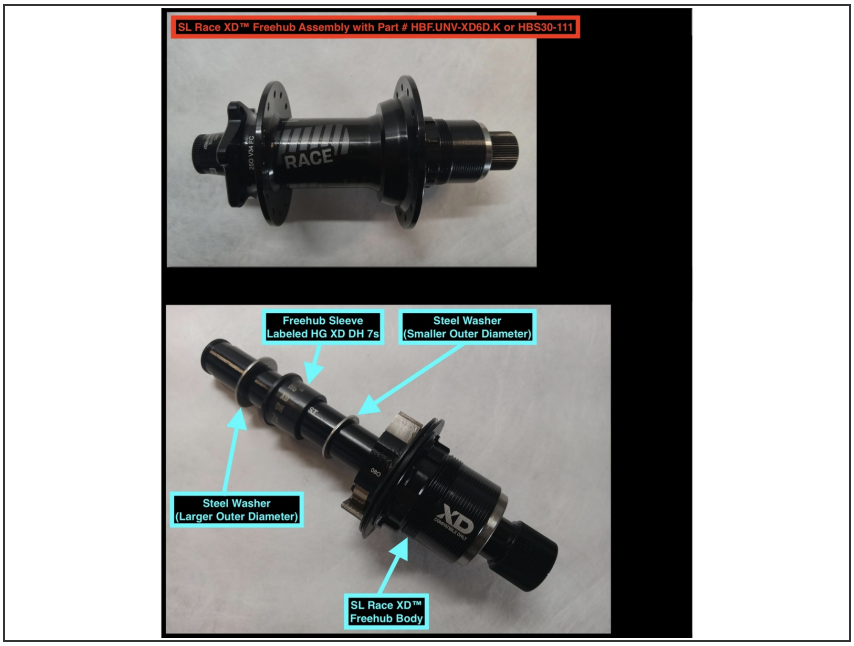
Step 1 — Freehub spacer arrangements on common hub models



ⓘ Identify your hub model and proceed to the corresponding steps listed below.

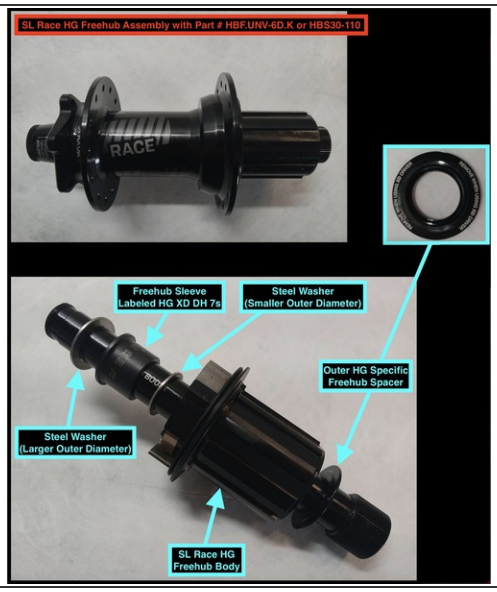
- SL Hub see Steps 2 to 4
- E*Spec Race see Steps 5 to 7
- LG1 Race DH 7 Speed see Step 8
- XCX Gravel see Steps 9 to 11
- XCX Race MTB see Step 12

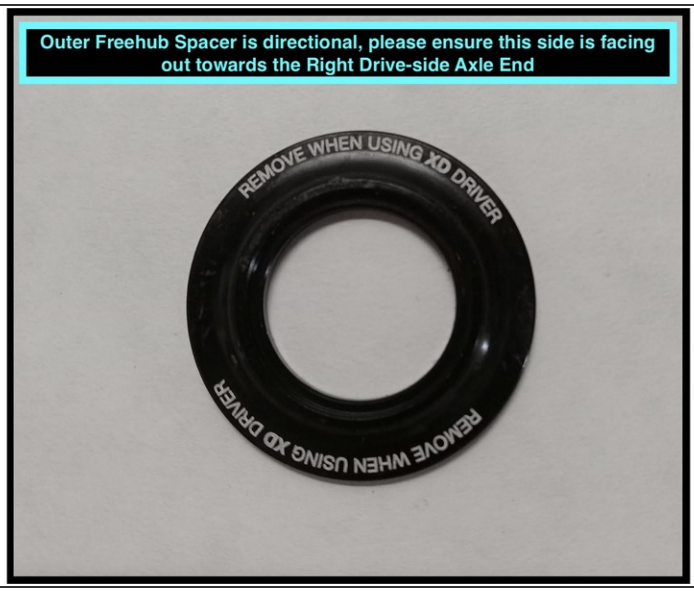
Step 2 — SL Race Hub with XD™



ⓘ XD™ Freehubs do not require an outer freehub spacer, though many of our other models do. If installing an XD Driver please ensure that no spacer is installed between the outer freehub bearing and Drive-side axle end.

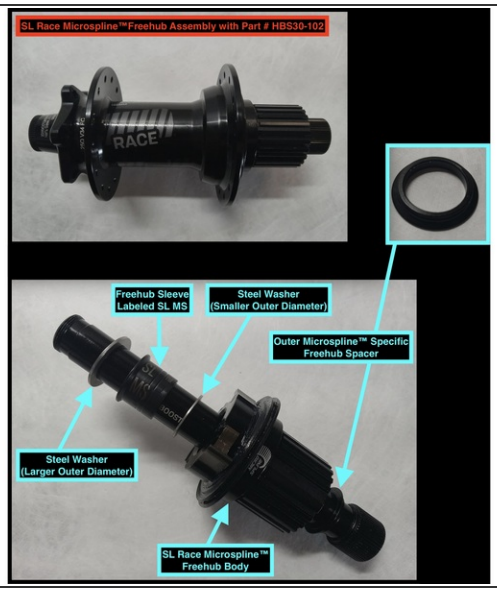
Step 3 — SL Race Hub with HG





ⓘ This HG Freehub requires an outer washer/spacer. These are directional and the side shown in the second image should be facing away from your freehub body towards the Driveside (R) Axle-end.

Step 4 — SL Race Hub with Microspline™





ⓘ Microspline™ freehubs require an outer washer/spacer. These are directional and the side shown in the second image should be facing away from your freehub body towards the Driveside (R) Axle-end.

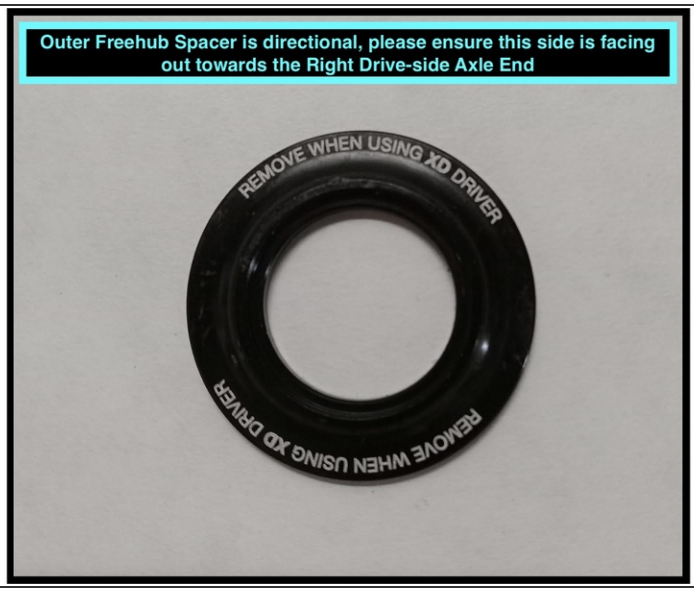
Step 5 — E*Spec Race Hub with XD™



ⓘ XD™ Freehubs do not require an outer freehub spacer, though many of our other models do. If installing an XD Driver please ensure that no spacer is installed between the outer freehub bearing and Drive-side axle end.

Step 6 — E*Spec Race Hub with HG





ⓘ This HG Freehub requires an outer washer/spacer. These are directional and the side shown in the second image should be facing away from your freehub body towards the Driveside (R) Axle-end.

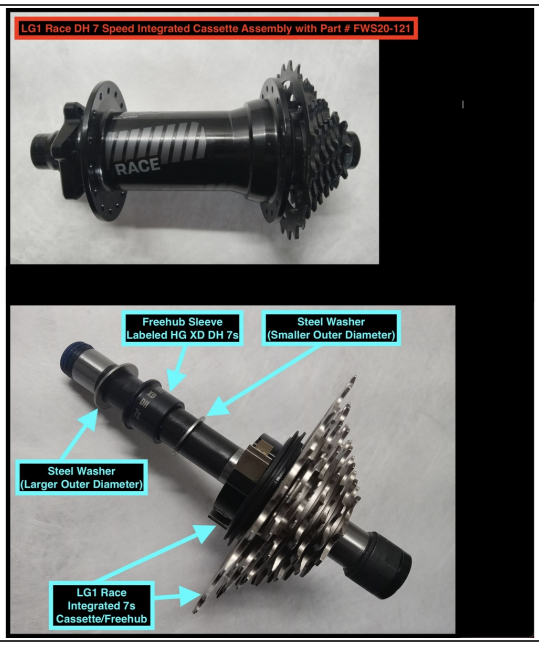
Step 7 — E*Spec Race Hub with Microspline™





ⓘ Microspline™ freehubs require an outer washer/spacer. These are directional and the side shown in the second image should be facing away from your freehub body towards the Driveside (R) Axle-end.

Step 8 — LG1 Race DH Hub with 7 Speed Integrated Cassette



⚠ LG1 7 Speed Hubs are only compatible with our 7 Speed Integrated Cassette/Drivers, and are not able to be converted to other freehub standards.

ⓘ There are currently two compatible Cassette/Drivers which can be used with our LG1 7 Speed Hubs; FWS10-104 which has a 9-21T range; and our newly released FWS20-121 with an updated 9-24T range.

Step 9 — XCX Gravel Hub with XDR™



⚠ XCX Gravel Freehub Body Sleeves which go between your freehub body and hubshell are specific to freehub model. Please ensure you are using the correct one for your specific freehub as shown in the diagram.

Step 10 — XCX Gravel Hub with HG



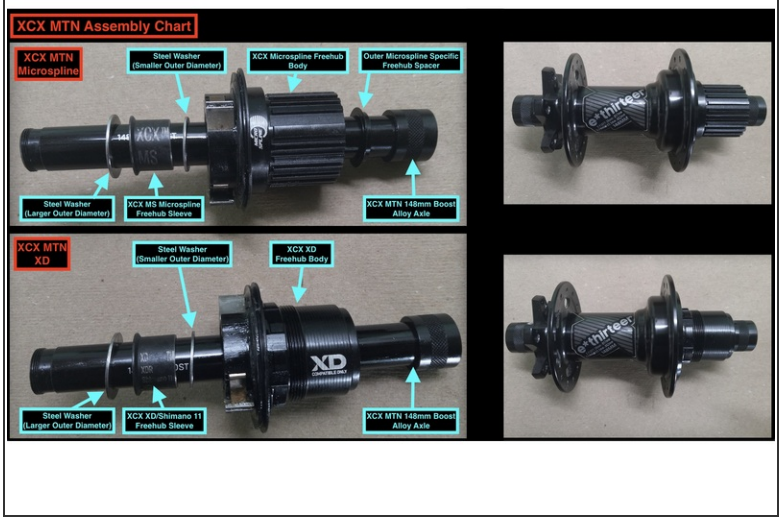
⚠ XCX Gravel Freehub Body Sleeves which go between your freehub body and hubshell are specific to freehub model. Please ensure you are using the correct one for your specific freehub as shown in the diagram.

Step 11 — XCX Gravel Hub with Campagnolo N3W™



⚠ XCX Gravel Freehub Body Sleeves which go between your freehub body and hubshell are specific to freehub model. Please ensure you are using the correct one for your specific freehub as shown in the diagram.

Step 12 — XCX Race MTB Hub XD™ and Microspline™





- Microspline™ freehubs require an outer washer/spacer. These are directional and the side shown in the second image should be facing away from your freehub body towards the Driveside (R) Axle-end.
- XD™ Freehubs do not require an outer freehub spacer, though many of our other models do. If installing an XD Driver please ensure that no spacer is installed between the outer freehub bearing and Drive-side axle end.

Thanks for reading, now get out there and ride!