

BSCTools DT Swiss 240 Tool Kit



For the servicing of a DT Swiss 240 rear hub
(some other branded hubs have DT Swiss internals e.g. the Giant SLR0 used in the pictures)

Hub has two 6902 sealed bearings
Freehub has two 6802 sealed bearings

If your hub has different bearings, please get in touch with us
service@bicycleservicecentre.co.uk

[BSCTools DT Swiss 240 Tool Kit](#)

[DT Swiss Video: https://www.youtube.com/watch?v=RbAmWqcamXw](https://www.youtube.com/watch?v=RbAmWqcamXw)

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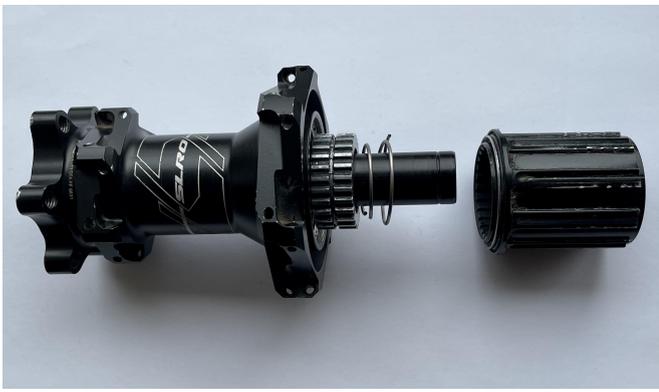
Tools

Tool	Description	Picture	Qty
A	6902 Over Axle Drift		2
B	6802 Over Axle Drift		1
C	6902 Bearing Extractor Cup		1
D	6802 Bearing Extractor Cup		1

E	15mm Extractor Press		2
F	Thrust bearing		1
G	Press Handles (or nuts and washers) and threaded rod		2
H	DT Swiss Ring Nut Tool (Not provided in kit at present)		1

Rear Hub Dis-assembly

 A black rear hub with a cassette attached. The cassette has "11speed road" printed on it. The hub has a silver logo on the side.	<p>1</p> <p>Remove the cassette from the rear hub</p>
 A rear hub is mounted in a blue bench vice on a wooden workbench. The non-drive side end cap is being removed.	<p>2</p> <p>Remove the non-drive side end cap. Place the non-drive side axle into an axle holder or soft jaws in the vice</p>
 A rear hub and a black end cap are shown on a white surface. The end cap is a small, cylindrical component with a flange.	<p>3</p> <p>Pull up on wheel to remove the adapter</p>
 A rear hub is shown on a white surface with the end cap removed and placed to the right. The hub has a silver logo on the side.	<p>4</p> <p>Use a 5mm allen key and synthetic hammer to punch out opposing adapter, or alternatively use the vice again</p>



5

Disengage and remove freehub body



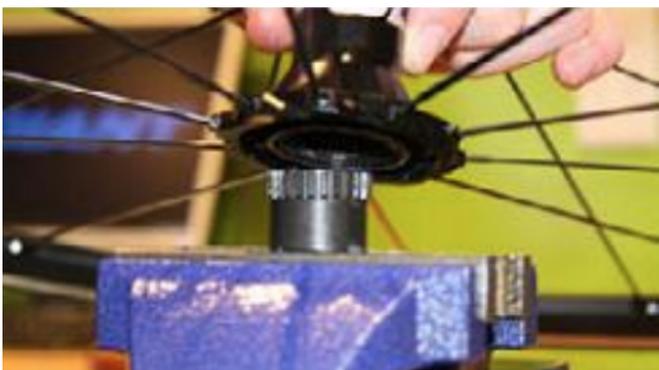
6

Remove both ratchets and both springs



7

Remove axle sleeve



8

Using tool **H** and the vice, place the wheel drive side down onto tool



9
Rotate the wheel anticlockwise to remove the ring nut and hub seal (and washer if present)



10
Using tool configuration pictured, press out the drive side bearing and axle by turning the handle on the left clockwise. Approx 5mm of movement and you will feel a pop as the drive side bearing extracts

Tool order as pictured:
G F E hub **C A G**



11
Remove axle, remove bearing from axle.



12
Reverse axle and install from drive side. (Longer part of axle now protrudes from non-drive side bearing)



13

Using tool configuration pictured, remove non-drive side hub bearing

Same configuration as 10 but drifts have moved to the opposite side of the hub.

Tool order as pictured:
G A C hub E F G



14

Remove the axle from the hub and the bearing from the axle



15

Clean hub shell, axle and all parts with a dry cloth.

Inspect and replace bearings with new if necessary.

Freehub Dis-assembly

	<p>1</p> <p>Move the freehub inner spacer to one side</p>
	<p>2</p> <p>Drift out the outer bearing with a soft hammer and drift</p>
	<p>3</p> <p>Use the press and drifts as pictured to extract the other 6802 bearing</p>
	<p>4</p> <p>Inspect and clean or replace the bearings</p>

Freehub Assembly

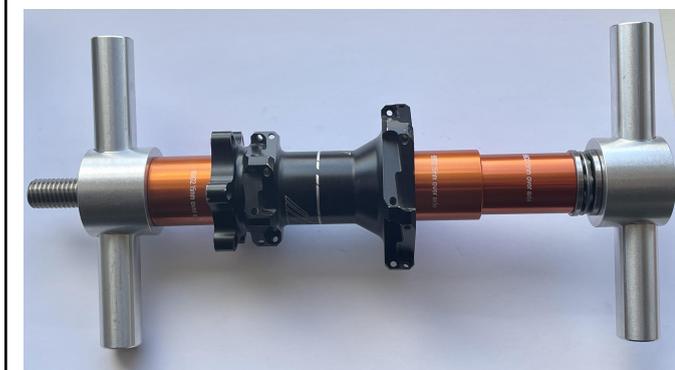
	<p>1</p> <p>Install the freehub space and one bearing onto the axle</p>
	<p>2</p> <p>Use the press, drifts and axle to install both 6802 bearings</p>
	<p>3</p> <p>Remove the axle</p>

Rear Hub Assembly



1

Insert axle and bearings into hub shell. Bearings have a black seal that faces inwards and a red seal that faces outwards.



2

Use bearing press and drifts as shown to gently press in both bearings.



3

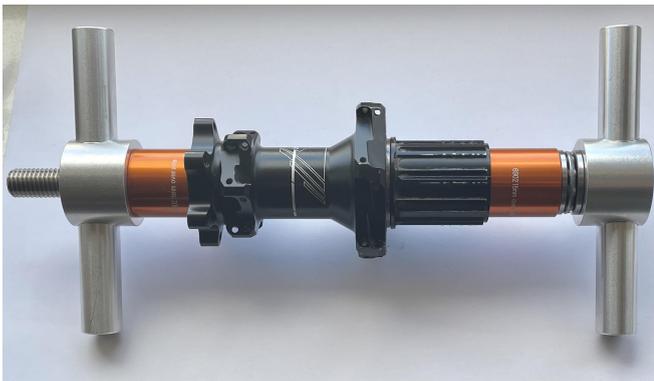
Note drive side bearing will normally rest 1mm above hub shell surface

	<p>4</p> <p>Install Shim Ring evenly over bearing surface</p>
	<p>5</p> <p>Install ring nut with the recessed cut out on the bottom. Grease ring nut</p>
	<p>6</p> <p>Ensure Shim Ring is evenly positioned over bearing</p>
	<p>7</p> <p>Tighten ring nut with tool H</p>



8

Place hub seal onto freehub



9

Use freehub to press seal into place.
Remove freehub.



10

Install axle sleeve



11

Install first spring large diameter goes in first



12

Install ratchets and final spring large diameter on the outside



13

Grease and Install freehub body



14

Install adapters and press into place