



124-30 QHR Spool

(124-30)

Build Guide

(25.12.26.01)

WARNING! DO NOT leave this kit, assembled or unassembled, in a hot motor vehicle or any other high temperature environment. This kit is 3D printed and high temperatures will harm or destroy the components.

TEAM QIK PARTS

- ☐ 12-22 Carrier (2)
- ☐ 124-31 Rear Hub Set
- ☐ 12-33 Rear Axle Shim (2)
- ☐ 12-34 Rear Axle
- ☐ 12-35 Rear Axle Plug (2)

HARDWARE

M3 Flat Head Screws (FH)

- ☐ M3x8 FH (3)

M3 Set Screws (SS)

- ☐ M3x10 SS (6)

Bearings & More

- ☐ FMB 6x10x3 FB (2)

HARDWARE KEY

FH = Flat Head Screw
FMB = Flanged Metal Bearing
SS = Set Screw

REAR SPOOL ASSEMBLY into/onto POD

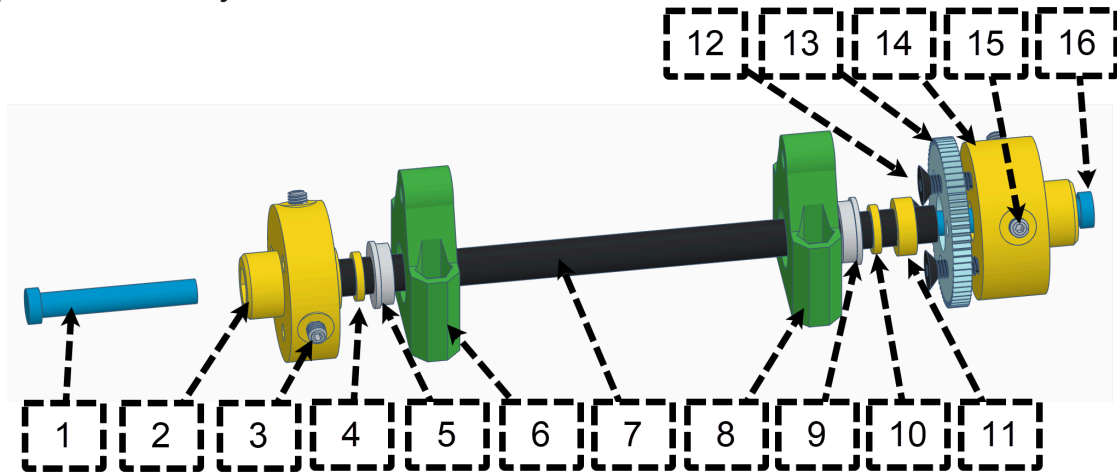
Hardware for this section:

SS M3x10 (6)

FH M3x8 (3)

FMB 6x10x3 (2) - bearings to be inserted into carriers

Spool Assembly



1. Axle Plug
2. Hub (left)
3. M3x10 Set Screw (3)
4. Shim
5. Bearing - (should be inserted into carrier already attached to pod)
6. Carrier - (already attached to pod)
7. Axle
8. Carrier - (already attached to pod)
9. Bearing - (should be inserted into carrier already attached to pod)
10. Shim
11. Thick Shim
12. M3 x 8 FH (flat head screw)
13. Spur Gear (already attached to right hub)
14. Hub (right)
15. M3x10 SS (3)
16. Rear Axle Plug

STEPS

1. Before assembling the spool, the Carriers (#6 and #8) with bearing (#5 and #9) already inserted, must be attached to the pod.
2. Attach Spur Gear to the right HUB using 3 M3x8 FFH (flat head) screws. Snug but do not over tighten.
3. Insert Axle Plug into each end of the axle
4. Insert bearings (#5 & #9) into carriers (#6 & #8) on pod
5. Insert a left hub (#2) onto the left end of the axle (#7), flush on the left.
6. Screw 3 M3x10 Set Screws (#3) into the left hub and snug them to the axle.

7. Add a 1mm shim (#4) to the axle
8. insert axle from left side through bearing (#5) in left carrier and through bearing (#9) in the right carrier on POD.
9. Slide a 1mm shim (#10) on to axle
10. Slide the 3mm thick shim (#11) on to the axle
11. Slide right hub (#14) with spur gear (#13) attached onto the axle.
12. Do not push the right end real tight, leave just a fraction of a mm of end play for the axle to not bind on the bearings.
13. Screw in 3 M3x10 Set Screws (#15) into the right hub and snug them to the axle.