



Support LEVEL: General Information.

Should only be done by experience mechanics.

Please contact the Rotec factory explaining your need to carry out this procedure as the need for this procedure is very rare.

During factory assembly the hub is heat shrunk onto the tapered prop drive shaft.

Do not try and force the separation as it will cause irreparable damage.

1. Remove propeller
2. Remove centre split pin from 30mm castle nut
3. Use rattle gun (1/2" drive) and rattle off nut
4. Make a heavy steel washer and use six high tensile bolts as puller. Tighten all six M8 bolts evenly a little at a time. Leave nut loose on shaft so when hub pop's it does not fall on to the ground. Place a small piece of ally between shaft end and heavy washer so as not to damage shaft threads.
5. Apply some gentle heat to hub to help it pop!
6. Remove hub from taper.
7. Cut lock wires on all six M6 socket head screws. Remove screws
8. Gently tap seal carrier to break bond away from nose
9. Spray loctite chisel it gasket remover all over nose and seal carrier to remove all traces of 515 compound. Remove or protect seal from gasket remover also avoid over spray on paint work.
10. Once parts are all clean prep surfaces with loctite aerosol 7471 surface primer. Let dry. Replace seal and even apply some 515 to seal recess and press seal into carrier.
11. Slather 515 all over face of nose where seal carrier spigots. Place seal carry back in place and torque six by M6 socket head screws down 100"/lbs with copper washers under heads instead of spring washers.
12. Lock wire the six M6 screws in pairs.
13. Make sure both tapers external and internal are thoroughly clean and dry 7471 good for this.
14. Prior to re-installation the replacement hub should be pre heated to 125 deg C in an oven. The tapered shaft should be at room temp and perfectly clean as should the female hub taper (clean before heating). DO NOT GET ANTI SEIZE ON EITHER OF THE TAPERS.
15. Replace hub and torque nut back down using up to 150Nm or use rattle gun hard. Once the taper jammed back off the nut a little to align split pin (cotter) with castle nut. Replace the split pin.



Only technical information released by Rotec should be considered sound. Many third party opinions found on the internet are grossly inaccurate.