

J/30 Rhapsody #348

Information about the J/30 Sailboat Rhapsody - Hull #348

FRIDAY, JANUARY 8, 2010

Transmission Disassembly & Clutch Resurface

The transmission main drive shaft was setup in a vice and a bearing puller used so that the gears and bearings could be removed. The inside of the gear is the mating surface for the conical clutch.



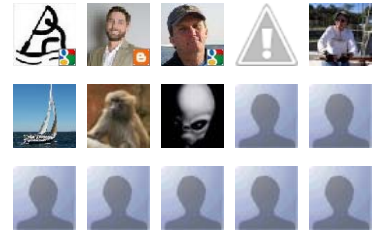
This picture below shows the top gear removed and one surface of the conical clutch. The clutch face has concentric rings that are about 1/32" wide. These are what mate with the inside surface of the drive gear.



Below is one of the drive gears that has the inside surface shown. This becomes a highly polished glazed surface caused by the clutch rubbing against it. I've used fine emery cloth to remove the glaze. This is all done just by rubbing the emery cloth across the surface by hand.

Followers

Volgers (15)



Volgen

Blog Archive

- ▶ 2013 (2)
- ▶ 2012 (5)
- ▶ 2011 (3)
- ▼ 2010 (6)
 - ▶ May (1)
 - ▶ April (2)
 - ▼ January (3)
 - Transmission Reassembly - Done!
 - Transmission Disassembly & Clutch Resurface
 - Winter Work 2009-2010 - Rudder and Transmission
- ▶ 2009 (5)
- ▶ 2008 (6)

About Me



Bill Kneller
View my complete profile

Other Links

[About Rhapsody](#)

[Rhapsody J/30 - Projects, Maintenance, Documentation](#)

[Rhapsody Project Blog](#)

[J/30 Class Association](#)



The picture below attempts to show one gear with the glazed surface on

the right, and a gear that has been lapped with emery cloth to remove the glaze on the left.



I've kept all the pieces laid out the same way they came apart. This should help get them back together correctly.



Posted by [Bill Kneller](#) at [10:32 PM](#)



No comments:

[Post a Comment](#)

Links to this post

[Create a Link](#)

[Newer Post](#)

[Home](#)

[Older Post](#)

Subscribe to: [Post Comments \(Atom\)](#)

Total Pageviews

19,854