

Step 28 Tail Pitch Plate Assembly

From parts bag 7, the Tail Pitch Plate and Tail Pitch Ball Links are pre-assembled. (**Note: apply some JB weld to the outside of the lock ring to avoid the assembly loosening.**) Put this assembly aside for now. If you ever have to repair this unit, you can refer to the diagram here.

Tail Pitch Ball Links x 2
M2x8 Pin x 2
[HI3089]

Tail Pitch Plate
[HI3087A] Pre-Assembled

Thin washer that fits between the pitch plate and the bearing

6x10 Ball Bearing x 2
[CNBB1060]



Step 29A Tail Input Shaft Assembly - SE 30

From parts bag 7, assemble the Tail Rotor Output Shaft by sliding two Ball Bearings on to the shaft followed by the large Bevel Gear. Align the holes on the gear with the shaft and press in one 2x12mm Pin and secure with one 3x4mm Set Screw (**Tip 1**) using threadlock.

Tail Gearbox Input Shaft [HW3070]

Large Bevel Gear
[HI3075]

M3x4SS Set Screw
(small hex key)



2x12mm Pin

5x13 Ball Bearing x 2
[CNBB1350]

SE30

Step 29B Tail Input Shaft Assembly - SE 50

From parts bag 7, align the holes on the large bevel gear and press in one 2x12mm Pin and secure with one 3x4mm Set Screw inserted into the end of the shaft using threadlock. Slide (**Tip 1**) two Ball Bearings onto the shaft and install into one half of the tail gear box. Next apply threadlock to the 4x4mm set screw and insert into the torque drive coupler. Slide the drive coupler over the long flat spot until there is no end play in the shaft and tighten the set screw in place.

Torque Drive Coupler
[HI3154]

Tail Gearbox Input Shaft [HW3070A]

Large Bevel Gear
[HI3075]

M3x4SS Set Screw
(small hex key)



2x12mm Pin

5x13 Ball Bearing x 2
[CNBB1350]

M4x4SS Set Screw
(med hex key)

SE50