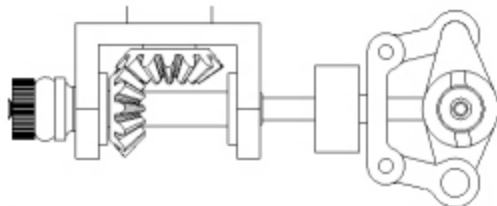


# Microline Hobbies V120D02S Tail Clutch

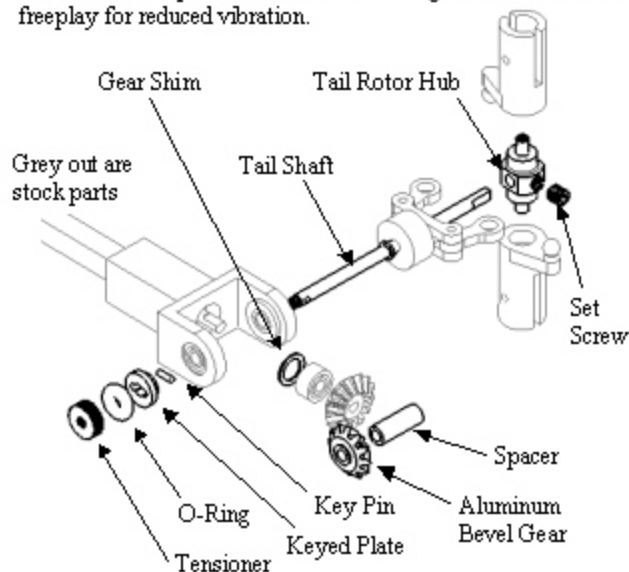


•Fits Walkera V120D02S. Also fits V120D02,4#6,4G6 and 4G6S, but requires purchase of V120D02S type tail gears from Walkera. Part # HM-V120D02S-Z-11.

•Clutch slips to prevent damage to tail rotor drivetrain. Adjustable clutch tension: Loose to 100% locked. Allow for extreme 3D.

•Includes adjustment shim to improve gear mesh on bevel gear. Results in smoother gear action, and increase gear strength. Stock gears have slight misaligned gear mesh.

•New shaft clamps the inner race of bearings onto the tail shaft. Bearing and shaft becomes one rigid assembly. Minimize bearing to shaft freplay for reduced vibration.



## Assembly

1. Use optional gear shim behind tail shaft bearing for better gear mesh.
2. Install Aluminum Bevel Gear and Spacer onto tail rotor housing.
3. Slide on Tail Shaft.

4. Insert Key Pin onto Tail Shaft, and install Keyed Plate. Install O-Ring and screw on Tensioner. Use a drop of oil on threads on Tail Shaft prior to Tensioner install to increase clamping force and prevent wear to threads.

(Fold a piece of scotch tape over half the Key Pin to hold on to it for ease of installation. Pin is small, and hard to hold. Easy to loose!)

5. Install tail pitch slider, and Tail Rotor Hub with Set Screw. Take care not to over tighten small set screw.

2 O-Rings included. Use black O-Ring for light tension. Use white for high tension 3D flight.

Tighten tensioner only as much as needed. Over tightening may result in excessive strain to gear in a crash. Hold main rotor and rotate tail rotor in REVERSE direction to test clutch tension. Reverse rotation will take out clutch free play for more accurate tension setting.