

## NHP Concept 30 Rudder Push Rod Kit

Thank you for buying NHP's Carbon Rudder Push Rod Kit, please follow the instructions carefully to obtain the best performance from this unit.

1. Locate the two M3 x 25 grub screws, apply a small amount of thread lock to the 1<sup>st</sup> couple of mm's of the grub screw, and screw into the ends of the push rod. (Tighten Firmly)
2. While the thread lock sets, remove the tail boom from the heli and remove all existing tail linkages, and the tail servo. Remove the two rear most of the boom retaining cap head bolts and nyloc nuts. Push supplied M3 x 26 cap head bolts through bracket and place spacers provided onto protruding bolts, push bolts through frames. Replace the tail boom. Tighten clamping bolts to secure boom and bracket. This bracket is designed to be used with an extension starter, if you are not using an extension starter the bracket will need to be turned up so that the servo is located above the tail boom. (If you are using an extension starter go to 3, if not, go to 4).
3. Next fix the servo into the mount, please note that the servo is fitted from the left of the mount so the mount is in contact with the tops of the servo grommets. Check the recesses in the mount are large enough to clear the reinforcing webs on the mounting lugs of your servo. Enlarge recesses if necessary this is important as the servo must not directly contact the mount. Secure the servo with the M2.6 x 12 cross head screws and retaining plates provided.
4. Next fit the servo into the mount, please note that the servo should be mounted so that the output arm is close to the front of the heli. Secure the servo with the M2.6 x 12 cross head screws and retaining plates provided.
5. Remove the tail pitch bell crank and screw a M2 nut onto the protruding pivot bolt (this is to act as a spacer), locate the shorter of the M2 counter sunk screws supplied and pass through one of the steel ball supplied, screw this assembly to the tail pitch bell crank and secure with a M2 nut (lock tight this nut). Replace the tail pitch bell crank assembly. Screw the other ball supplied onto the servo arm (lock tight this nut). Screw the ball links onto the ends of the push rod, and adjust length to give desired tail pitch, root the servo lead carefully along the frames, check the servo direction and travel also check gyro direction. Make sure that there is no binding anywhere on the linkage. You are now ready to test fly.
6. Any trimming of the tail should be done by adjusting the push rod length so that the servo arm can be kept at 90° to the push rod, you can now fine tune the tail in your normal way and go and fly.

Should you be unfortunate enough to damage any of the parts of the kit, all parts are available separately.

Due to NHP Ltd. having no control over the installation and use of its products, we cannot be held responsible for misuse after purchase.