

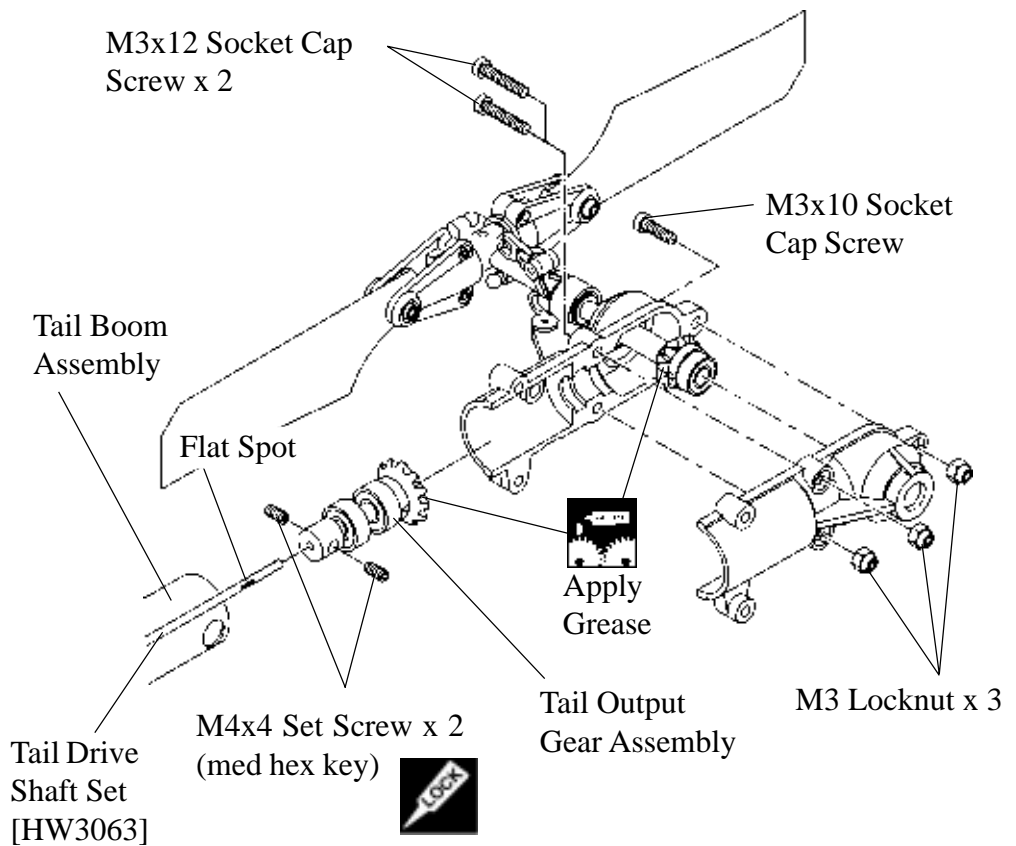
## STEP 35 Tail Gearbox Assembly

Attach the tail input gear assembly onto the rear of the drive wire shaft using threadlock on the two M4x4 Set Screws (**insure the filed flat spot is aligned with one of the set screws**).

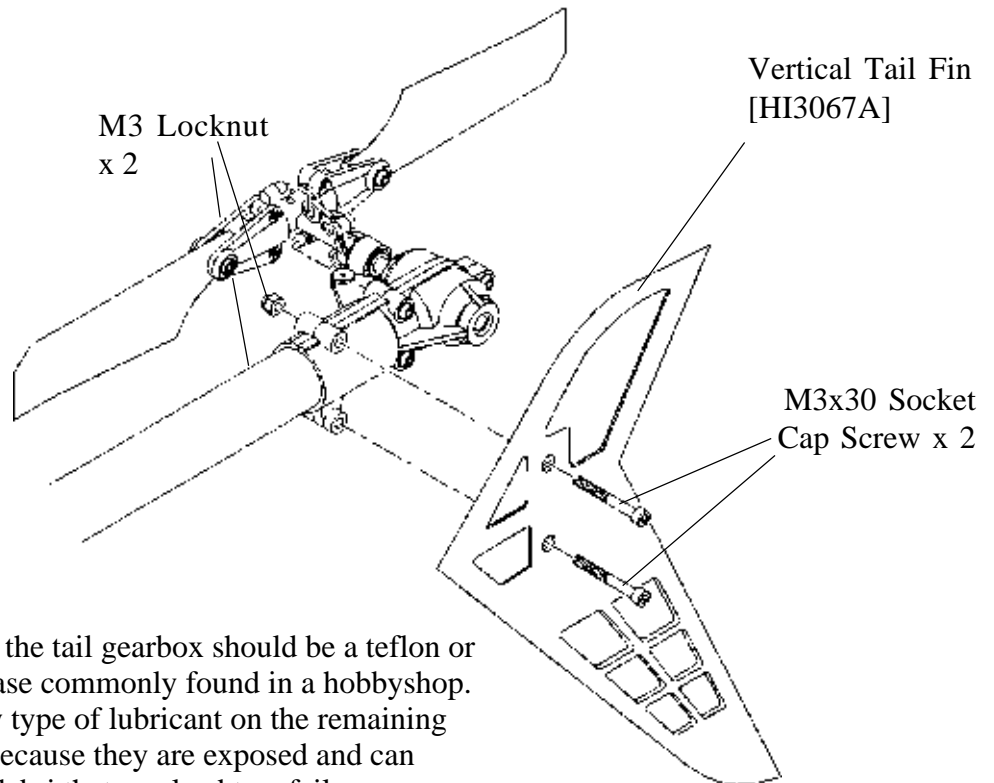
Position the two gear assemblies into the right gear box half (**insure the 2 bevel gears are meshed properly and the ball bearings are fully seated in their recesses**) and liberally grease the gears before attaching the left side.

**Position the gear box halves such that the molded pins are fitted into the key holes in the end of the tail boom.** Secure

with one M3x10 Socket Cap Screw and M3 locknut at the back of the gearbox and two M3x12 Socket Cap Screws with M3 locknuts at the middle of the gearbox. Install the Vertical Fin with two M3x30 Socket Cap Screws and M3 locknuts through the molded fin and into the front mounts of the tail rotor gearbox.



**Tip** Apply red locktite to the drive shaft end and insert into the gearbox input shaft. Do not use on set screws, only locking the wire shaft to the input shaft.



**Tip**

Grease to be used inside the tail gearbox should be a teflon or light lithium type of grease commonly found in a hobbyshop. Do not use grease or any type of lubricant on the remaining gears on the helicopter because they are exposed and can actually attract dirt and debris that can lead to a failure.