

Governor_check_list.txt

I thought it would be a good idea to draw up a check list of possibilities that could cause a governor controlled head speed to glitch:

* Old main shaft bearings can start going bad and once in awhile briefly grab the main shaft. Check each bearing level on the main shaft to see if the bearing is scuffing the main shaft. If in doubt, replace the main shaft bearings or at least pump grease into them.

* Bearings involved with the tail. Check to be sure the tail belt (if used) has not lost any teeth or is getting too loose (you don't want the belt teeth to be slapping together once in awhile). Remove the main gear and check that the tail drive system operates smoothly.

* Damaged gear teeth. The main gear could be too tight at the eccentric high point.

* Motor wiring can develop once in awhile shorts, e.g. where the wires enter the case. Check with an ohm meter while moving the wires. Measure between pairs and to the case. Keep in mind that a good ohm meter can measure the resistance of your fingers. The rotor on some motors can move in the axial direction so that the rotor chews into something. Try another motor if available.

* Check all your wiring for scuffing and loose wires that could get into trouble.

* Electrostatic problems can glitch the radio and throttle channel or the ESC. Check the data log for clues.

* Make sure that your wildest maneuvers cannot result in servo currents that overload the BEC or battery system and restart your radio and/or FBL system.

If the tail twitches once in awhile it could be because the head speed is catching on something (e.g. a bearing intermittently grabbing the main shaft). Track down the problem before it gets worse.

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