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Periodic Maintenance Checklist

Description	Checked
Airframe	
Check that all the screws on the frame, gimbal and motor mounts are still securely fastened.	
Check that all the ABS parts are still intact and do not show signs of wear or fatigue, particularly the inner mounts.	
Check the carbon plates and tubes for wear and damage that would reduce the structural integrity of the frame.	
Motors	
Check that the prop holder is still secure fastened to the motor with all three screws and that the nut and tread that secures the prop is still in good condition.	
Check that the motor is still securely fastened to the motor mount with all 4 screws.	
Check that the motor runs smooth when turned by hand and that there is not any play in the bearings.	
Check that the motors are free of dust and any other foreign particles.	
Check that the motor windings do not show any damage or bubbling/melting. Also check that the motor wires are not damaged.	
Electronics	
Check that the battery connector is in good condition and that the soldering is still secure. Also make sure the wires are not damaged.	
Check that the wires between the ESC and the motors are not damaged.	
Check that all the different electronic modules are still securely fastened. Check the ESC, Gimbal Control Board, Receiver, Flight Controller, GPS/Compass, etc.	
Check that all the various plugs that connect all the electronics are still securely plugged in.	
Were possible, check that all the solder joints are still in good condition.	
Check that all the electronics are free of dust or dirt.	
Check sensor readings for abnormalities. (Check in Mission Planner, Compass reading, GPS, attitude, etc. See ArduCopter Wiki for more information.)	
Radio	
Check that the control gimbals are free from dust and other particles.	
Check that the battery is still in good condition.	
Perform a radio range check. (See radio manual for details)	
LiPo Batteries	
Check that the battery is not punctured or does not have any other physical damage. The battery should also not be swollen at all.	
Check that all the cells of the battery are balanced. (Within 0.1V of each other)	
Check that the battery connector is in good condition and that the soldering is still secure. Also make sure the wires are not damaged.	

Signature 1 :
Print name :

Signature 2 :
Print name :

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