**Miami-Dade Police Department**

**Micro Air Vehicle**

**AIR VEHICLE (AV) EXTERIOR CHECK:**

1. Check entire AV for loose or missing screws
2. Insure the air filter is clean and secure
3. Check that mufflers are securely attached and safety wire present
4. Check avionics pod couplers are tight
5. Check avionics pod attachment straps are secure and not excessively dry rotted
6. Check payload pod couplers are tight
7. Check payload pod attachment straps are secure and not excessively dry rotted
8. On payload pod, gimbal quick disconnects are secure
9. On payload pod, gimbal cable fastened
10. Landing gear (4) securely fastened
11. Rotate fan to ensure no binding with duct
12. Check duct, fan, stator and control vanes to ensure there are no cracks
13. Check for no chips in fan and stator
14. With hand, gently move all servos (6) and check for freedom of movement
15. Ensure starter base latches (4) are securely fastened to AV
16. On payload pod check that the data link antenna (long) pointed up and secure
17. On payload pod check that the video link antenna (short) pointed down and secure