

- Immobilize the autopilot servo arm. This can be accomplished by manually restraining the autopilot arm/capstan, or by engaging the autopilot on the ground in servo test mode SETUP MENU > HARDWARE CALIBRATION > AP SERVO CALIBRATION > TEST (you can start this test, proceed to the step where it first activates and immobilizes the servos, and then cancel the test mode once you've performed this free play test).
- Gently attempt to move the aircraft control surface by manipulating it manually by hand. If there is any significant movement possible - more than 1 degree of free play of the control surface is considered excessive - examine the servo, its mounts, and the linkages and/or cables that connect it to the control surface to discover where the play is being introduced.

Autopilot System Electrical Installation

Figure 138 provides an overview of the autopilot electrical system. Note that SkyView supports up to three servos (pitch, roll, yaw).

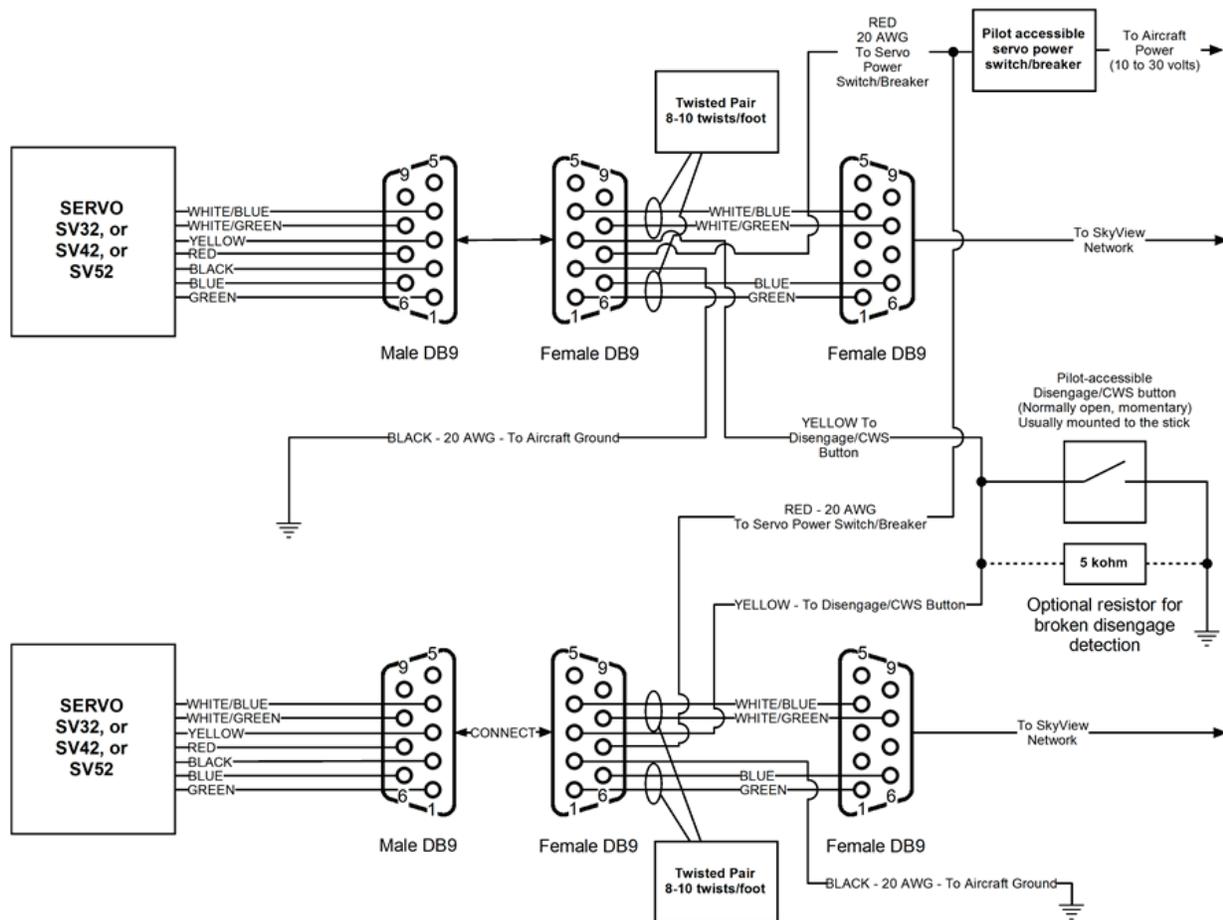


Figure 138 – SkyView Two Axis Autopilot System Electrical Installation Overview (All Connectors Rear View)

The following sections describe the electrical installation of each subsystem in detail.