



## **AZTEC AUTO-PILOT PREFLIGHT PROCEDURE**

1. With engines running, check vacuum gauge readings. Should be 4.75" to 5.00" Hg.
2. Place coupler in HDG, center roll and pitch commands and heading bug.
3. Select roll mode, rotate roll knob left and right and note wheel response in each direction.

NOTE: Without the aerodynamic response of flight servo action is not limited.

4. Select "HDG" mode and rotate HDG bug indicator to either side, note roll servo response.
5. While engaged manually override roll in both directions, ensure auto-pilot disengages.
6. Center HDG bug to stop roll servo action while checking pitch.
7. Adjust pitch command knob to center "Trim" indicator.
8. Engage pitch mode switch and rotate pitch command knob in each direction. Observe pitch control action in each direction.

NOTE: Without the aerodynamic response of flight, pitch action is not limited.

NOTE: If aircraft has heavy controls due to loading springs or bob weights, it may be necessary to assist the pitch control motion as servo input power may be limited to match inflight responses and override requirements.

NOTE: If autopilot ground check is prolonged, automatic trim may run to up or down limit. In such cases it may be desirable to temporarily pull the trim circuit breaker switch.

9. Check pitch override in each direction.