

EAA Data Collection Project Test Card 3

Takeoff LOC Prevention

Risk Designation: Low

Procedures:

1. At or above 3,000 AGL, set takeoff power. Stop test at minimum altitude of 1,500 AGL.

Climb at V_Y

Note climb pitch angle:

2. Simulate engine failure (carb heat/thrust idle over 3-4 seconds).
3. Lower nose immediately to achieve best glide speed V_G .
4. Note pitch angle at V_G :

Repeat test above but delay lowering nose by approximately 3 seconds after simulated engine failure.

WARNING: DO NOT STALL!

Note lower pitch angle required to achieve V_G .

Comments on any test:

