

6f

Rope Breaks

Lesson Objective

The goal of this lesson is to learn the appropriate responses to a rope break. The term PT3 (Premature Termination of The Tow) is often used instead of "rope break" to include all modes of failure included in this lesson plan.

Regulatory Requirement

- Pre-solo Candidate: [61.87\(i\)\(9\),\(19\)](#)
- Private Candidate: [PTS IV\(G\)](#)

Content

- Rope breaks below 50 feet, at 200-300 feet and above approximately 500 feet

Completion Standards

The student must be able to

- perform a simulated rope break below 50 feet
- perform a simulated rope break between 200 and 300 feet (and safe return to the field)
- perform a simulated rope break above approximately 500 feet and then land where appropriate
- maintain a safe speed and bank angle during the return to the field
- judge heights and land the aircraft safely without instructor intervention.

Simulator Practice

Complete lessons as detailed in the [Condor Lesson Plans](#)

- 13b Premature Tow Termination

Homework for Pre-Solo

- "Glider Flight Training Manual" by Thomas Knauff pages 117-125 and 259-272
- [SCOH Instruction Manual](#) Emergency Procedures

Homework for Solo to Private

- [Glider Flying Handbook](#) (2013) -- Takeoff Emergency Procedures, pages 8-10 through 8-13

Further Reading

- [CFIG Lesson Plan Notes](#) see 6b, 6f Aerotow Emergencies

Next Lesson: [6g -- Pilot-Induced Oscillations](#)

Previous Lesson: [6e -- Never-exceed Speed](#)

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