

3.5 Damage to the Envelope in Flight

Priorities: Keep flying the balloon to avoid a hard landing.

1. Heat to keep the envelope inflated. If the envelope mouth closes blow fire through the fabric in a convenient place. Check the damage.
2. Keep in a low altitude and land as soon as possible.
3. If the balloon descends uncontrollably, jettison gradually all heavy objects including fuel cylinders and prepare passengers for a hard landing. The cylinder used for heating is to be jettisoned last.
4. Prepare for hard landing (see 3.6.3).

3.6 Non-standard Landing

3.6.1 Fast Landing

Landing in a relatively high surface wind

Priorities: Primarily avoid persons from falling out of the basket or their injury from loose objects. Make a **tangential contact to the ground** with little vertical speed.

1. Select a suitable landing field, maintain desired landing trajectory.
2. If a RV is fitted, rotate the balloon, so the balloon lands on the longer side of the basket.
3. Passengers to adopt correct emergency position for fast landing. Prepare them for being dragged on the ground after landing.
4. Descend gently.
5. Consider possibility to stop the envelope with a convenient obstacle (tree, bushes...)
6. Switch off the pilot flames on all burner units.
7. Red line - open the deflation system completely.
8. Prevent people from leaving basket until so instructed.

WARNING

Combination of fast horizontal motion and vertical descend is extremely dangerous and must be avoided. The touchdown is to be performed with as low a rate of descend as possible.

3.6.2 Deflation System Malfunction

Should this emergency arise, the same priorities and procedures apply as the fast landing (see 3.6.1). If the envelope is fitted with a rotation vent, use it for venting. Pull on both lines to vent air. Be prepared for a prolonged drag of the basket after landing.

Report the trouble to your ground crew so they can be of help as soon possible.

3.6.3 Hard Landing

Landing with a high rate of descent

Priorities: Everyone in the basket must adopt correct emergency position to prevent injuries to legs and ankles.

1. If a RV is fitted, rotate the balloon so it lands on the longer side of the basket.
2. Passengers to adopt correct emergency position for hard landing.
3. Report a hard landing to your ground crew.
4. Shut all cylinder valves and vent fuel hoses.
5. Open the deflation system completely when close to the ground.
6. Prevent people from leaving the basket until so instructed.