

Submission #	Equipment Referenced	Irregularity Reported	Corrective Recommendations
1	Not Applicable	Jumper suspected that the rig was not repacked because it appeared that the closing loop was not replaced. The repack card was signed and dated. Jumper received no communications from the rigger when asked.	The jumper made the right decision if they were in any doubt as to whether the rig was packed. Furthermore, riggers should ensure that a new closing loop is installed with every repack.
2	Sunpath Javelin	Improper harness modifications without approval from the manufacturer.	All modifications and alterations should be done in accordance with manufacturers recommendations. If a rigger is in any doubt regarding a modification or alteration, contact the manufacturer.
3	Mirage G4	Reserve pilot chute was improperly packed and the mesh was locked in the spring coil, preventing a full expansion.	<p>Reserve pilot chutes must be packed in accordance with the manufacturer's recommendations:</p> <p><i>"IMPORTANT – Make sure that all canopy fabric and mesh are withdrawn from within the coils of the pilot chute spring."</i></p> <p><i>"Wrap the ends of the folded pilot chute around the pilot chute top and place them under the No. 3 flap with the ends facing the bottom of the container. Again, make sure that none of the canopy or mesh is placed under the pilot chute spring. Also, make sure that none of the canopy or mesh is wrapped around or under the bag."</i></p> <p>Reference: <a href="https://miragesys.com/support/q4-owners-manual/#11946L">https://miragesys.com/support/q4-owners-manual/#11946L</a></p>
4	Vigil AAD	There was no record that the battery was replaced.	Riggers should be diligent in logging servicing of AADs and/or requesting paperwork from the manufacturer prior to packing, if the jumper was responsible for sending the unit for servicing.
5	Mirage G4	The reserve ripcord pin was bent.	<p>It is the responsibility of the rigger to follow the manufacturer recommendations:</p> <p><i>"If the closing loop is the correct length, you should be able to pull 3/4" to 1" of the loop past the No. 1 flap."</i></p> <p><i>"Measure the force required to move the ripcord pin to verify that it takes less than the required maximum of 22 lbs."</i></p> <p>A visual check should also be done to see if the pin has been bent.</p> <p><a href="https://miragesys.com/support/q4-owners-manual/#11946L">https://miragesys.com/support/q4-owners-manual/#11946L</a></p>

6	Precision Raven	The inner lines on the reserve canopy had a full twist.	When assembling a canopy, ensure that line continuity is correct. When inspecting a canopy, a minimum of a six-line check is required.
7	Vector 3	The closing loop did not appear to have been changed and showed signs of fraying.	Riggers must ensure that closing loops are changed every repack. Furthermore, the jumper/owner of the equipment should include the closing loop as a part of their routine equipment inspection and if they see fraying, should bring it to the attention of a rigger.
8	Vector 2	The reserve tray opened when the rig was simply dropped on the ground before packing. The small force moved the pin enough to open the tray.	Riggers should verify the pull force in accordance with the manufacturers recommendations.
9	Vector 2	The RSL placement was inadequate.	RSLs must be installed and rigged in accordance with the manufacturer's recommendations.
10	Vector 2	The reserve closing loop was, we believe, not changed at all even if it was about 40% damaged.	The reserve closing loop must be replaced with each reserve repack, or as necessary (ie. Signs of fraying).