



SKYLAUNCH LTD

Glider Winches & Special Projects
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Winch Launch equipment Maintenance guidelines

12.07.21

| Subject | Description / Instruction | Frequency | | | |
|--|---|--------------------------------------|----------------------|-------------------|-------------------------|
| | | Daily, before 1 st Launch | Every Launch (Start) | Every 20 Launches | Every 200 Launches |
| 1. Weak Links (Fuses) | Inspect for distortion / damage or elongation of any of the holes, including the centre hole | Check | Check | | Renew |
| 2. Weak Link Housings / Holders | Inspect for distortion / damage or significant wear. Check the slot will allow passage of the bolt if link were to break. | Check | | Check | |
| 3. Weak link connector shackles & bolts | Inspect for distortion, damage or wear of shackles Check locking nut to ensure nylon retaining ring is in serviceable condition Remove bolts and inspect for distortion, damage or wear. | Check | | Check | Remove bolts to inspect |
| 4. Metal components / Shackles etc. | <i>Includes Glider connecting rings, quick release rings and hooks, D shackles, Karabiners, parachute end connectors, etc.</i> Inspect and check tightness or lock mechanisms <ul style="list-style-type: none"> - Replace if distorted or worn by more than 10% of original design. - | Check | | Check | |
| 5. Soft Shackles | Inspect for damage | Check | | Check | |

| | | | | | |
|--|---|-------|--|-------|--|
| 6. Trace / Shock Rope (Long ropes / cables) | <p>Inspect for damage/break in any hoses / pipe coverings over rope / cable Inspect for knots and wear in rope / cable including end loops / eyes.</p> <p>Replace if diameter has reduced by 10% or more.</p> | Check | | Check | |
| 7. Strops (Short ropes / cables) | <p>Inspect for break or split in any hoses / pipe coverings over rope / cable. Inspect for knots and wear in rope / cable including end loops / eyes.</p> <p>Replace if diameter has reduced by 10% or more.</p> | Check | | Check | |
| 8. Parachutes | <p>Inspect for damage to shroud lines, replace if any 1 is cut more than 10% Inspect for damage to canopy or stitching which could lead to spinning or difficult flying.</p> <p>(Repairs may be possible to extend life)</p> | Check | | Check | |
| 9. Launch cables | <p>Inspection of whole length of cables for significant damage or wear.</p> <p>Repair or replace if 1 strand of steel cable or 2 strands of Dyneema are broken. (For Skyrope repair or replace if 1 or more strands are frayed or the cable has reduced in diameter by more than 10%)</p> <p>For all cables replace whole length if more than 6 joins are present.</p> <p>Note: The most efficient method to inspect the cables is to fit a pulley wheel onto your cable tow-out vehicle (Lepo). Mounting this onto the driver's side door, close to the wing mirror means the cable can be lifted onto the pulley then driven down the 1st cable and back up the 2nd cable.</p> <p>This lifts the cable up for easy inspection whilst driving, and if damage is found the vehicle can stop with that section by the window, for fast inspection without having to leave the vehicle or walk long distances.</p> <p>Skylaunch can supply these items from stock.</p> | Check | | | |