



ÖSTERREICHISCHER AERO-CLUB

SEKTION FAA Blattgasse 6, A-1030 WIEN

Sicherheitsmitteilung
SM20201201

Datum: 22.12.2020

Bezug: INSTRUCT-062-Sigma-Tandem-Reserve-Riser-compatibility-and-modification

Betroffene Muster: UPT Tandem Reservetragegurte welche #6Links oder L-Bars an den Reservetragegurten montiert haben

Status: bei Bedarf, für Teilkomponenten vor dem nächsten Sprung

Grund: Einführung SIGMA Reserve

Maßnahme:

Aufgrund der Einführung des neuen Tandemreservefallschirmes des Herstellers „United Parachutes Technologies“, wurde es notwendig, eine Arbeitsanleitung, für den Umbau der Reservetragegurte auf Kompatibilität mit Rapid-Links (Maillon-Schraubkarabiner) von L-Bars und alternierend zu veröffentlichen.

Qualifikation: Die Bauformänderung kann laut UPT durch deinen FAA Master Parachute Rigger oder äquivalent erfolgen. Für Österreich ist es Systembetreuern gestattet, welche bereits einschlägige Erfahrungen, gemäß LTH 73, in hochqualifizierten Fallschirmwartungstätigkeiten nachweisen können und diese Modifikation strikt unter Einhaltung der Herstellerrichtlinie (Instruct-062) durchführen.

Bei Bedarf ist eine Einschulung in die Tätigkeit durch die Fallschirmspringerschule HFSV-Wiener Neustadt möglich.

Die Anleitung bezieht sich auf L-Bars für VR360 (VTC-xxxR) Tandemreservefallschirm sowie auf #6 Rapide Links für SR-340/SR-370 Tandemreservefallschirm. Der Hersteller gestattet nicht den Einbau von anderen Reservefallschirmkappen. Gemäß LTH 73, ist der Einbau von Tandemreservefallschirmen, welche auf der „Liste der Zulässigen Kombinationen von Tandemkomponenten“, nun ohne behelfsmäßige Umbauten möglich. Daher sind diese „Umbauten“ vor dem nächsten Sprung auf den aktuellen Stand der Technik zu bringen.

Verteiler: Systembetreuer, Vereine/Clubs/Schulen, Sektionsleiter, Händler,

FAA Österreichischer Aeroclub


HRIBERNIK Michael,

UNINSURED **UNITED PARACHUTE TECHNOLOGIES, LLC.**



1645 LEXINGTON AVENUE ♦ DELAND FL 32724-2106 ♦ TELEPHONE +1 386 736 7589 ♦ FAX +1 386 734 7537
WWW.UPTVECTOR.COM

Sigma Tandem Reserve Riser compatibility and modification

To ensure proper compatibility, the correct Sigma Tandem reserve riser configuration must be used for installation of UPT approved tandem reserve canopies

A certified FAA Master Parachute Rigger (or foreign equivalent) is approved by UPT to perform a change of configuration, following instructions outlined in this document.

Each instruction is for a single reserve riser of 4 total. Contrasting stitch color is used for illustration purpose throughout.

Content:

- Page 2: Overview of tandem reserve riser configurations with link types
- Page 3: Change from original L-bar link to Rapide link
- Page 5: Change from Rapide link to boxed L-Bar link
- Page 8: Change from boxed L-bar link to Rapide link

Tools/materials required:

- Pencil or chalk
- Seam ripper and/or needle nose pliers
- Scissors
- 2½" Type 12 tape x 4 (Change from Rapide link to boxed L-bar configuration only)
- Harness machine (Change from Rapide link to boxed L-bar configuration only)

RIGGING DEPARTMENT

1645 LEXINGTON AVENUE ♦ DELAND FL 32724-2106 ♦ TELEPHONE +1 386 736 7471 ♦ FAX +1 386 734 7537
WWW.UPTVECTOR.COM

UNINSURED **UNITED PARACHUTE TECHNOLOGIES, LLC.**



1645 LEXINGTON AVENUE ♦ DELAND FL 32724-2106 ♦ TELEPHONE +1 386 736 7589 ♦ FAX +1 386 734 7537
WWW.UPTVECTOR.COM

Reserve riser configurations

Original L-bar

4-point with combined $\frac{3}{4}$ box pattern

*Only for L-bar and
VR360 (VTC-xxxR) Tandem Reserve Canopy*



Rapide link

4-point pattern

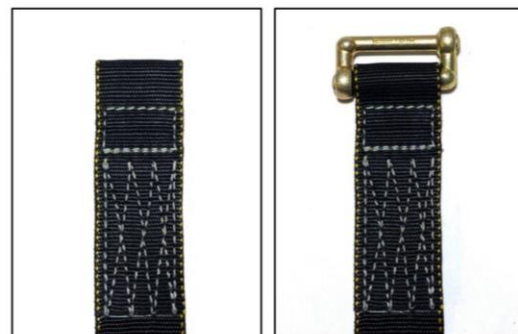
*Only for #6 Rapide link and
SR-340 / SR-370 Tandem Reserve Canopies*



Boxed L-bar

4-point with separate box pattern

*Only for L-bar and
VR360 (VTC-xxxR) Tandem Reserve Canopy*



RIGGING DEPARTMENT

1645 LEXINGTON AVENUE ♦ DELAND FL 32724-2106 ♦ TELEPHONE +1 386 736 7471 ♦ FAX +1 386 734 7537
WWW.UPTVECTOR.COM

UNINSURED **UNITED PARACHUTE TECHNOLOGIES, LLC.**

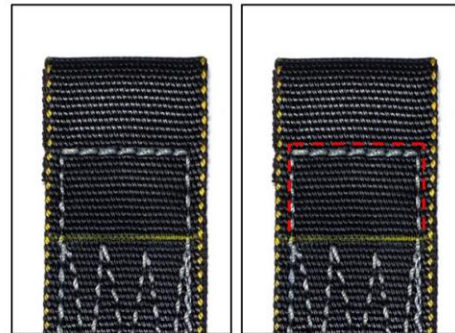


1645 LEXINGTON AVENUE ♦ DELAND FL 32724-2106 ♦ TELEPHONE +1 386 736 7589 ♦ FAX +1 386 734 7537
WWW.UPTVECTOR.COM

Change from original L-bar to Rapide link

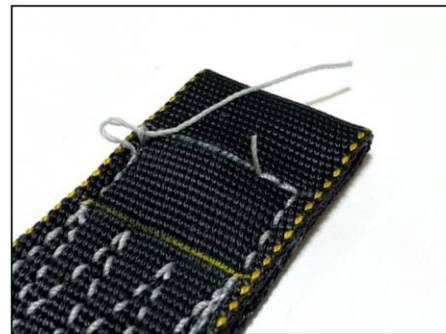
Draw a line across reserve riser, $\frac{1}{8}$ " above the 4-point pattern

Identify the top part of the $\frac{3}{4}$ box above the line to be unpicked and removed (marked in red)



Unpick the $\frac{3}{4}$ box stitching, with caution not to damage or pull out any part of the webbing

Starting at the top center is helpful for capturing an initial stitch, especially on matching thread and webbing colors



Trim threads at the drawn line and clean up both sides of reserve riser

Verify that no webbing is damaged and the 4-point is intact



Rigging DEPARTMENT

1645 LEXINGTON AVENUE ♦ DELAND FL 32724-2106 ♦ TELEPHONE +1 386 736 7471 ♦ FAX +1 386 734 7537
WWW.UPTVECTOR.COM

UNINSURED **UNITED PARACHUTE TECHNOLOGIES, LLC.**



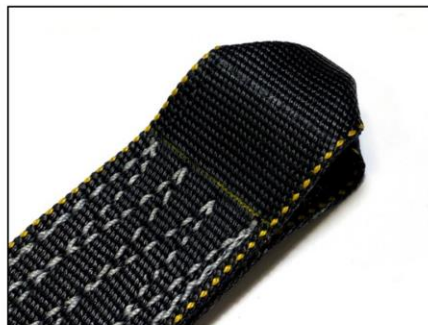
1645 LEXINGTON AVENUE ♦ DELAND FL 32724-2106 ♦ TELEPHONE +1 386 736 7589 ♦ FAX +1 386 734 7537
WWW.UPTVECTOR.COM

Remove and discard T12 buffer

Remove any glue residue remaining inside riser



Fold in sides of reserve riser end to allow installation of #6 Rapide link



Rigging DEPARTMENT

1645 LEXINGTON AVENUE ♦ DELAND FL 32724-2106 ♦ TELEPHONE +1 386 736 7471 ♦ FAX +1 386 734 7537
WWW.UPTVECTOR.COM

INSTRUCT-062 REV.0

December 2020

Page 4 / 8

UNINSURED **UNITED PARACHUTE TECHNOLOGIES, LLC.**

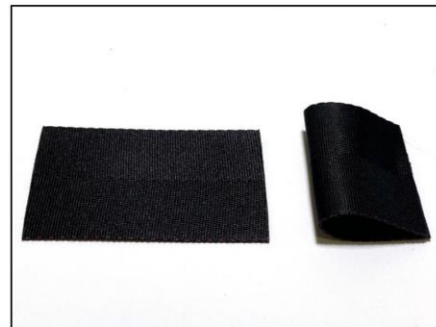


1645 LEXINGTON AVENUE ♦ DELAND FL 32724-2106 ♦ TELEPHONE +1 386 736 7589 ♦ FAX +1 386 734 7537
WWW.UPTVECTOR.COM

Change from Rapide link to boxed L-bar

Cut Type 12 tape buffer, 2½" long

Fold the buffer in half to a tear drop shape, lining up raw edges

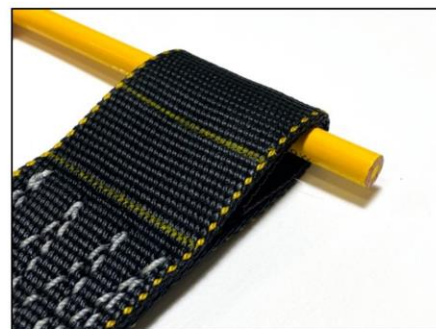


Draw 2 lines across reserve riser;

- 1" from riser end
- ¼" above 4-point pattern



Insert Type 12 buffer into reserve riser, and secure in place fully up against riser end using hot glue/tape



RIGGING DEPARTMENT

1645 LEXINGTON AVENUE ♦ DELAND FL 32724-2106 ♦ TELEPHONE +1 386 736 7471 ♦ FAX +1 386 734 7537
WWW.UPTVECTOR.COM

INSTRUCT-062 REV.0

December 2020

Page 5 / 8

UNINSURED **UNITED PARACHUTE TECHNOLOGIES, LLC.**



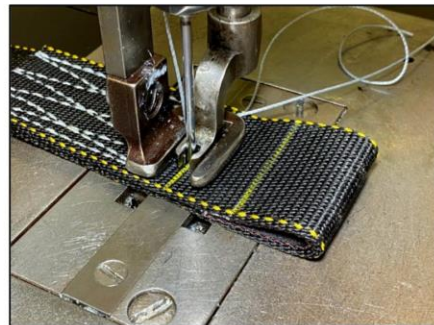
1645 LEXINGTON AVENUE ♦ DELAND FL 32724-2106 ♦ TELEPHONE +1 386 736 7589 ♦ FAX +1 386 734 7537
WWW.UPTVECTOR.COM

A separate box stitch is sewn onto reserve riser end following the drawn lines, as indicated in red

The box stitch must be sewn with Nylon 5-cord thread

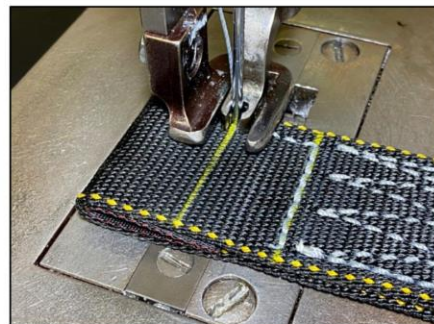


Start on the drawn line 1/8" above, and clear of, 4-point stitch pattern



Ensure that Type 12 buffer is captured by top part of box stitch

Complete box stitch by over stitching onto the first stitch row



Rigging DEPARTMENT

1645 LEXINGTON AVENUE ♦ DELAND FL 32724-2106 ♦ TELEPHONE +1 386 736 7471 ♦ FAX +1 386 734 7537
WWW.UPTVECTOR.COM

INSTRUCT-062 REV.0

December 2020

Page 6 / 8

UNINSURED **United PARACHUTE TECHNOLOGIES, LLC.**



1645 LEXINGTON AVENUE ♦ DELAND FL 32724-2106 ♦ TELEPHONE +1 386 736 7589 ♦ FAX +1 386 734 7537
WWW.UPTVECTOR.COM

Example of 4-point and finished separate box stitch



Open buffer to insert and attach L-bar onto riser



Rigging DEPARTMENT

1645 LEXINGTON AVENUE ♦ DELAND FL 32724-2106 ♦ TELEPHONE +1 386 736 7471 ♦ FAX +1 386 734 7537
WWW.UPTVECTOR.COM

INSTRUCT-062 REV.0

December 2020

Page 7 / 8

UNINSURED **United PARACHUTE TECHNOLOGIES, LLC.**

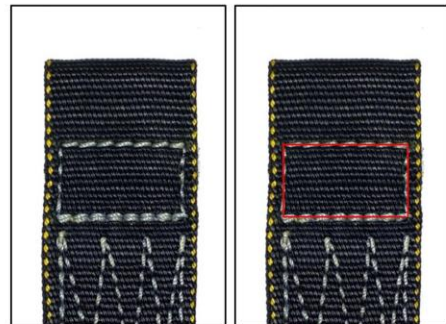


1645 LEXINGTON AVENUE ♦ DELAND FL 32724-2106 ♦ TELEPHONE +1 386 736 7589 ♦ FAX +1 386 734 7537
WWW.UPTVECTOR.COM

Change from boxed L-bar to Rapide link

Identify the separate box stitch to be unpicked and removed (marked in red)

Unpick the box stitching, with caution not to damage or pull out any part of the webbing



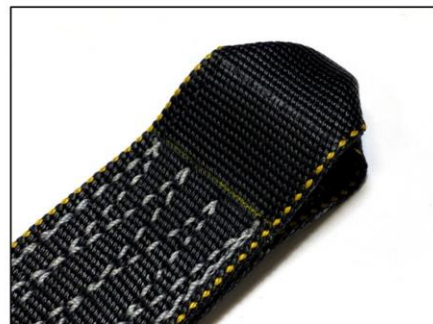
Verify that no webbing is damaged and the 4-point is intact

Remove and discard T12 buffer

Remove any glue residue remaining inside riser



Fold in sides of riser to allow installation of #6 Rapide link



RIGGING DEPARTMENT

1645 LEXINGTON AVENUE ♦ DELAND FL 32724-2106 ♦ TELEPHONE +1 386 736 7471 ♦ FAX +1 386 734 7537
WWW.UPTVECTOR.COM