

Tactical Parachute Delivery Systems, Inc.

RAPID RELEASE HARNESS-800 (TPDS-RRH-800)



Tactical Parachute Delivery Systems, Inc. Rapid Release Harness-800 Owner's Manual 2024



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STATEMENT OF CONFORMANCE

This letter is to inform that all components of the **Rapid Release Harness (RRH-800)** by **TPDS, Inc.** are manufactured under Federal Aviation Administration (FAA) Technical Standard Order (TSO) requirements of the Federal Aviation Regulation 14, Code of Federal Regulations Part 21, Subpart O.

Furthermore; the Rapid Release Harness (RRH-800) meets all Military Standards and Specifications.

Sincerely,

Henri Pohjolainen
President
Tactical Parachute Delivery Systems, Inc.



WARNING!

PARACHUTING IS A HIGH RISK ACTIVITY WHICH CAN CAUSE OR RESULT IN SERIOUS INJURY OR DEATH.

The following information must be read and understood before any use of this equipment:

USER KNOWS THE RISKS OF PARACHUTING AND ACCEPTS THAT:

Parachuting can cause **death** and/or **serious injuries**. Many of these deaths and injuries can be attributed to equipment problems or malfunctions.

Parachuting equipment can fail, even if all possible precautions are taken by the user, the equipment manufacturers and everyone else involved with the jump.

Failure to activate the main or reserve parachute (or follow emergency procedures) at a safe altitude, and/or equipment failure can result in **severe injury or death**.

IT IS THE USER'S RESPONSIBILITY TO:

Receive proper training before any use of all parachuting equipment.
Be extremely careful and cautious.

Read and Understand all owner's and operating manuals for all parachuting equipment.

Thoroughly check all parachuting equipment and replace any defective or worn component prior to use.

Review emergency procedures before each use of this and all parachuting equipment.

Check equipment warnings –

WARNING!

DO NOT EXCEED EQUIPMENT LIMITATIONS!

Never violate the training and experience requirements for the specific equipment use.

DISCLAIMER – STATEMENT OF WARRANTY

Because of the unavoidable dangers involved in the use of this and all parachute equipment – **Tactical Parachute Delivery Systems, Inc.**, (including but not limited to all owners, officers, staff, and employees), hereafter referred to as “**TPDS**” makes no warranties of any kind, expressed or implied. The liability of the seller is limited to replacing defective parts found upon examination by the manufacturer to be defective in material or workmanship within 7 days after purchase and found not to have been caused by an accident, improper use, alteration, tampering, abuse or lack of care on the part of the purchaser.

By using this equipment or allowing it to be used by others, owner/buyer waives any liability of **TPDS** for personal injuries or any other damages arising from such use. Any promise or representations inconsistent with or in addition to the **Statement of Warranty** are not authorized by **TPDS** and shall not be binding.

!WARNING!

Parachuting is a hazardous activity that can result in serious injury or death. Failure to follow all warnings, instructions, and required procedures may result in serious injury or **DEATH!** Parachutes sometimes malfunction even when they are properly designed, built, assembled, packed, maintained and used.

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Chapter 1

Product Information



The **Tactical Parachute Delivery Systems - Rapid Release Harness-800 (TPDS-RRH-800)** is a unique cargo carrying bag that attaches to the parachute/harness system. It can be used with Static-line or Freefall Missions.

It can be configured in three (3) different ways to allow for a range of missions.

- High Front
- Low Front
- Low Back

The **TPDS-RRH-800** has an optional **Drop-Line System** that easily and safely allows the load to be suspended below the jumper while under canopy then released upon landing or in an emergency situation.

The **TPDS-RRH-800 Lowering Drop-Line Assembly** has two (2) attachment straps that are attached to the Drop-Line with a Quick Link.

This manual provides you with all of the information necessary to operate the **TPDS-RRH-800** and **Lowering Drop-Line System (TPDS-RRH-200)**.



BACK VIEW



FRONT VIEW



SIDE VIEW



TOP VIEW

Chapter 2**Technical Information****Tactical Parachute Delivery Systems
Rapid Release Harness - 800****TPDS-RRH-800****Specifications:**

The **TPDS-RRH-800** is manufactured in a Federal Aviation Administration (**FAA**) approved Parachute manufacturing facility.

It is manufactured using Mil-SPEC webbing and hardware.

Note: Date of Manufacture is shown as-
Month-Day-Year (xx-xx-xx)

The load bearing hardware is rated at 2500 lbs.
/1133.98 kgs.

The webbing used for the TPDS-RRH-800,
Type 8, built to Mil-W-4088 specs is rated at
4000 lbs. / 1814.369 kgs.

The **TPDS-RRH-800** is capable of carrying
loads of up to :

250 lbs. / 113 kgs.

**However: your ultimate maximum load
capability is determined by your Reserve
Parachute Specifications.**

The **TPDS-RRH-800** cargo bag measures
approximately:

24" high x 18" wide x 12" deep

Or

60.96 cm. high x 45.72 cm. wide x 30.48 deep

The **TPDS-RRH-800** is available in a choice of
colors made of 1000 Denier Cordura.

Black, Silver, Smoke, Olive Drab Green, White,
Navy Blue, Woodland Camouflage, Desert
Camouflage, Multi- Camouflage, and others
upon request.

Chapter 3

Product Over-view



TPDS-RRH-800 BAG
DOUBLE ZIPPER



TPDS-RRH-101
PRIMARY RELEASE
HANDLE

TPDS-RRH-800
3-RING RELEASE
ASSEMBLY

TPDS-RRH-106
PRIMARY RELEASE
HANDLE SAFETY LINE

**TPDS-RRH-800
Top View**

TPDS-RRH-101
PRIMARY RELEASE HANDLE

TPDS-RRH-107
PRIMARY RELEASE HANDLE
SAFETY LANYARD



TPDS-RRH-800
DROP-LINE CONNECTOR
POUCH

TPDS-RRH-105
UPPER ATTACHMENT
SNAPS

TPDS-RRH-204
DROP-LINE LANYARD

TPDS-RRH-203
DROP-LINE CONNECTOR
RELEASE HANDLE

TPDS-RRH-800
LEG STRAPS/
CARRY STRAPS

TPDS-RRH-202
DROP-LINE CONNECTOR

**TPDS-RRH-800
Back View**

Chapter 4

Assembly Instructions



4.1 Assemble the 3-Ring Risers to the TPDS-RRH-800 Bag.

The **TPDS-RRH-800** should receive a thorough inspection prior to each assembly process. Check the webbing and hardware for potential damage.

Use the Parts List in **Chapter 6** for clarity of the proper part for this assembly process.



Pictured above are the 3-Ring Release Risers (**TPDS-RRH-103**).



Begin by passing an Elastic Keeper to each end of the 3-Ring Risers.



Align the 3 Point wrap with the T-4 Handle Retainer.

The 3-Rings should face the Back of the Bag as shown above.



Pass the T-8 webbing of the 3-Ring Riser through the Adjustable Quick Fit Adapter on the Top (Back) of the Bag.



Pass the T-8 webbing over the tension bar and through the Adapter. Stow extra webbing under the Elastic Keeper.



On the Front of the bag pass the T-8 webbing through the Adjustable Quick Fit Adapter as shown.



Pass the T-8 webbing through the Adapter. Finish stowing the T-8 webbing under the Elastic Keeper.



Should look like this. Repeat the other 3-Ring Riser.

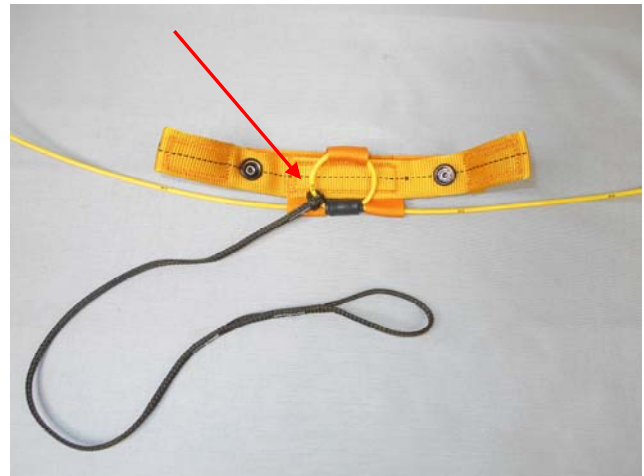




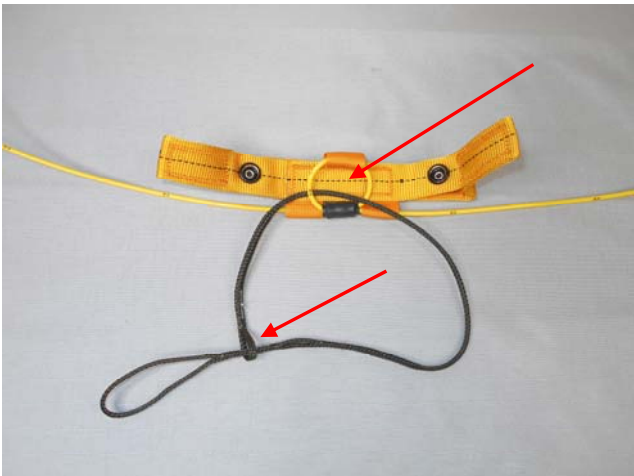
4.2 Assemble the Primary Release Handle.



Pictured above is the Primary Release Handle (TPDS-RRH-101).



Tighten the knot to secure the Safety Lanyard to the Primary Release Handle.

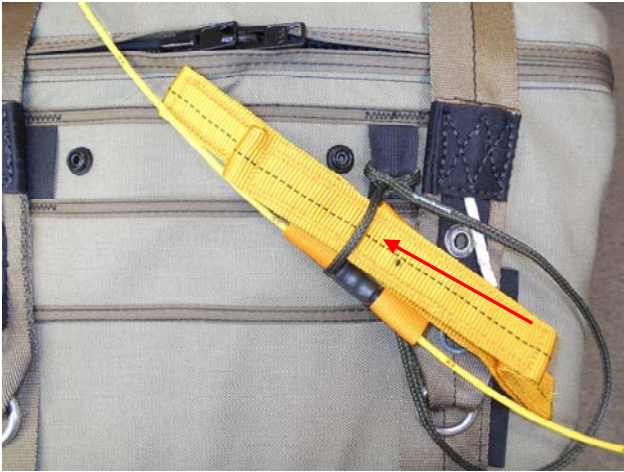


Begin by passing the small loop of the Safety Lanyard (TPDS-RRH-107) through the loop of the yellow cable then pass the large loop through the small loop.



Pass the large Loop of the Safety Lanyard under either of the T-4 keepers shown.

Then pass the large loop through the small loop nearest the large loop, as shown.



Pass the Primary Release Handle through the large loop.



Tighten the knot formed.



Tuck one tab under the T-4 keeper.



Tuck the other end of the Handle under the other T-4 keeper.

Press the snaps to secure the handle to the bag.



Tuck the excess Safety Lanyard into the pocket below the Handle.

4.3 Assemble the 3-Ring Release



Pictured above are the Upper Harness Connectors. (TPDS-RRH-102)



Pass the large Ring of the Riser through the large Ring of the Upper Attachment Riser. (Note: the fold of the end is facing down.)



Pass the small Ring of the Riser through the large Ring of the Riser.



Pass the closing loop down through the top small grommet.

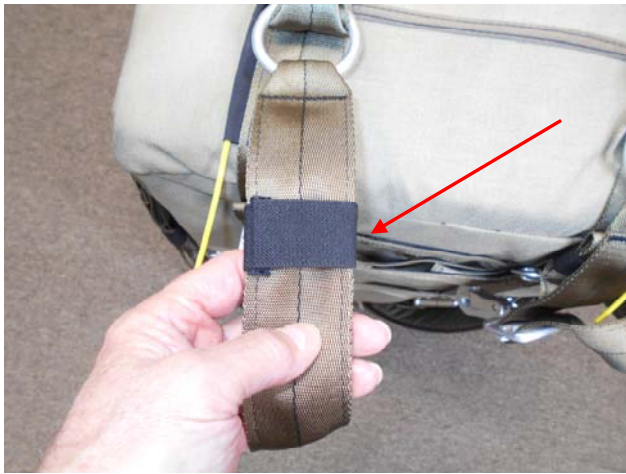
Pass the yellow cable through the closing loop.



Secure the yellow cable in the black sleeve on the side of the Riser.



Repeat other side.



Slide an Elastic Keeper (TPDS-RRH-108) onto the Upper Drop-Line Connector.



Pass the Upper Drop-Line Connector through an Adjustable B-12 Snap (TPDS-RRH-106) as shown above and below.



Pass the end of the Upper Drop-Line Connector under the Elastic Keeper.



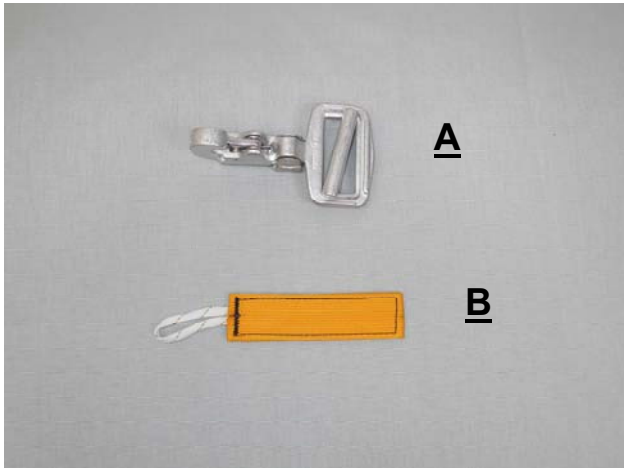
Finish by passing the end of the Upper Drop-Line Connector back through the Adjustable B-12 Snap.

Repeat the other side.

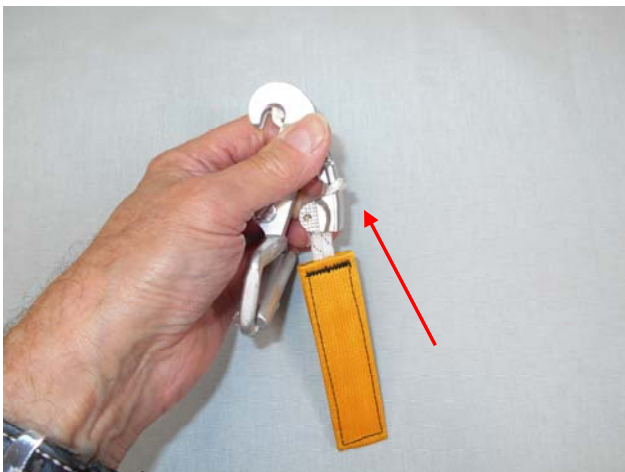




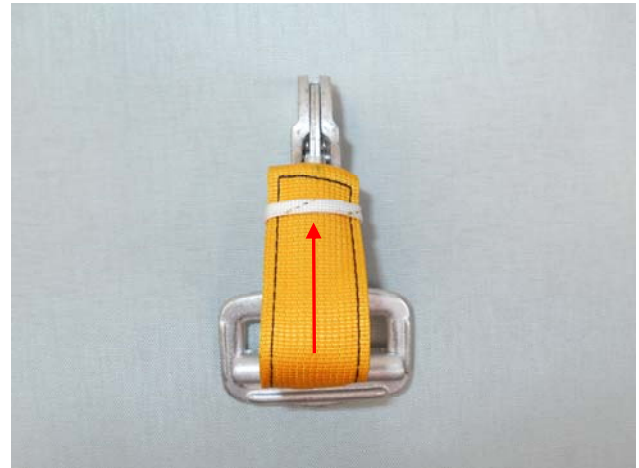
4.4 Assemble the Lower Connector Strap.



Shown above are the **(A)** Adjustable Quick Ejector Snap (**TPDS-RRH-104**) and the **(B)** Quick Ejector Release Pull (**TPDS-RRH-105**).



Pass the T-2A Line over the Quick Ejector Snap as shown.

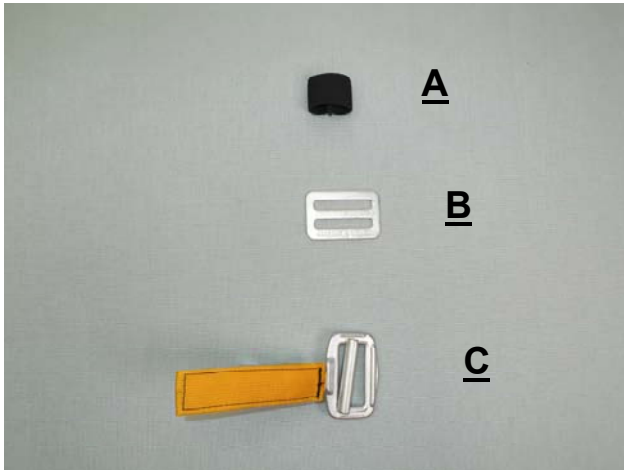


Pass the end of the Release Pull through the T-2A loop.

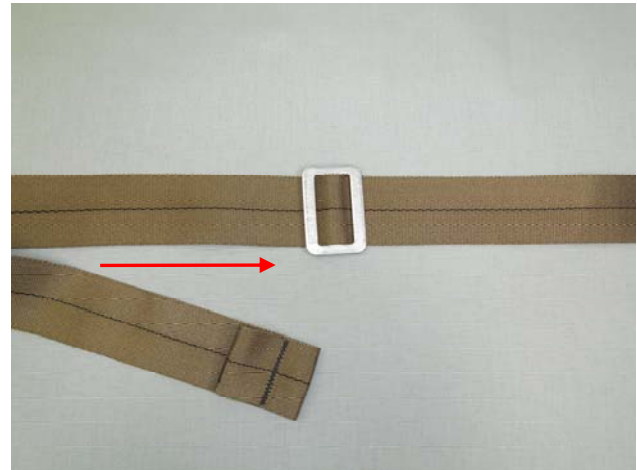


Tighten the knot formed.

Repeat the other Quick Ejector Release Pull.



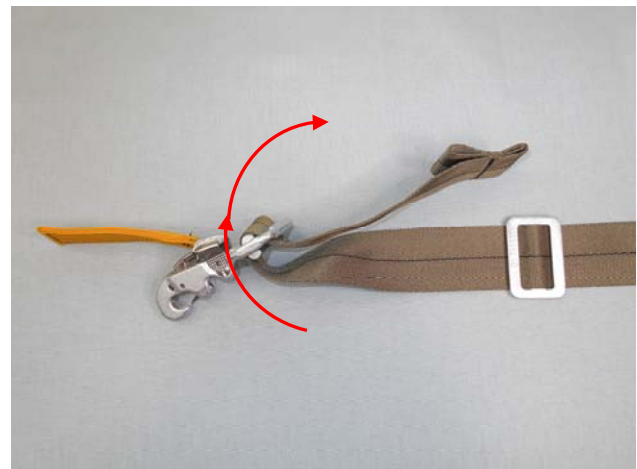
Shown above are the **(A)** Elastic Keeper (TPDS-RRH-108), **(B)** Solid Adapter (TPDS-RRH-110), and **(C)** the assembled Quick Ejector Snap with Release Pull.



Pass the Solid Adapter onto the T-8 webbing as shown.

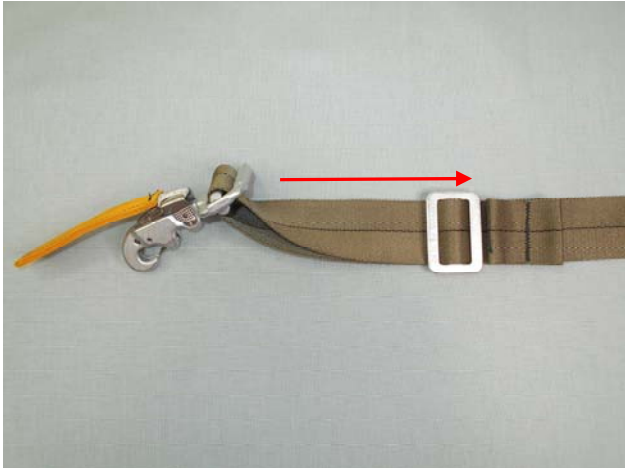


Begin by placing an Elastic Keeper onto the T-8 webbing at the side Harness Ring .



Pass the T-8 webbing through the assembled Quick Ejector Snap as shown.





Pass the T-8 webbing back through the Solid Adapter.



Pass any excess webbing through the top slot of the Solid Adapter as shown.



Pass the end of the T-8 webbing under the Elastic Keeper.



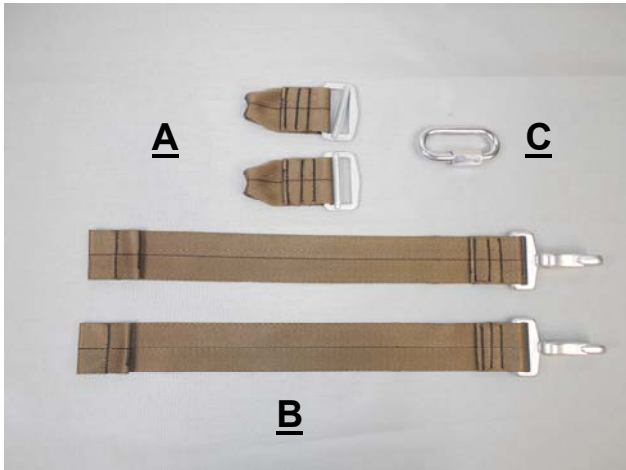
Stow that excess under the Elastic Keeper.

Repeat the other Lower Connector strap.





4.5 Assemble the Drop-Line Assembly.



Pictured above are three (3) parts of the Drop-Line Assembly.

- “A”- Adjustable Quick Fit Adapter (TPDS-RRH-201).
- “B”- Drop-Line Connectors (TPDS-RRH-202).
- “C”- Drop-Line Quick Link (TPDS-RRH-111).



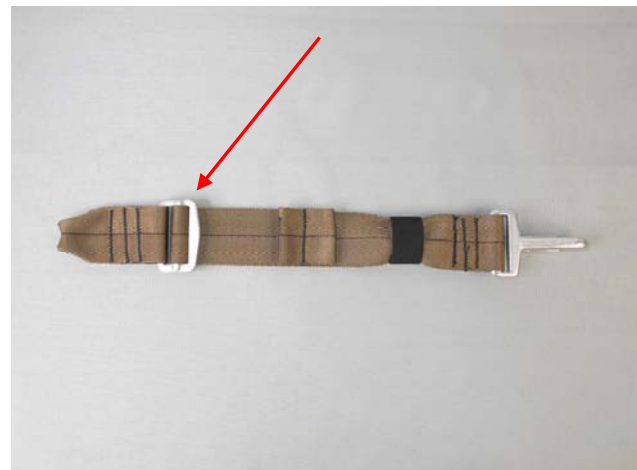
Begin by passing an Elastic Keeper over the Drop-Line Connector.

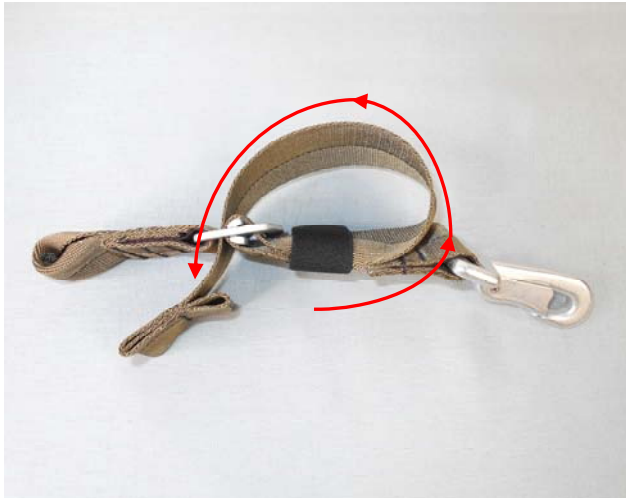


Both “Fold-overs” should be facing down.

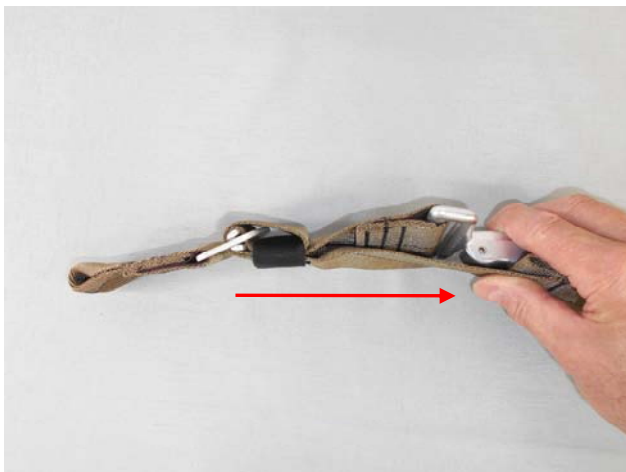


Pass the Connector tail up through the Adjustable Quick Fit Adapter as shown.





Continue to pass the Connector webbing through the Elastic Keeper then back through the Adjustable Quick Fit Adapter as shown.

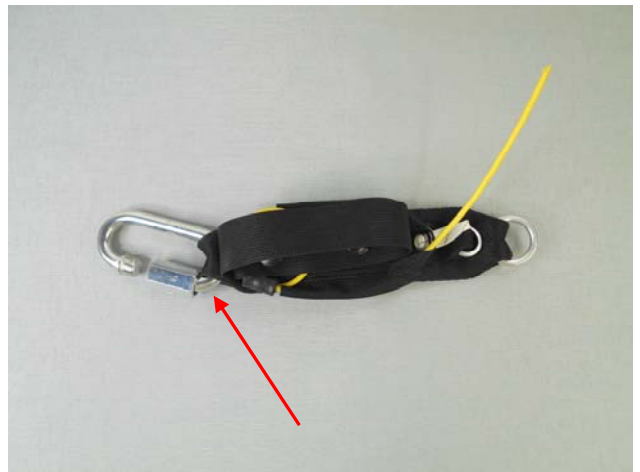


Pass the Connector webbing through the Elastic Keeper once more.

Repeat the other Connector.

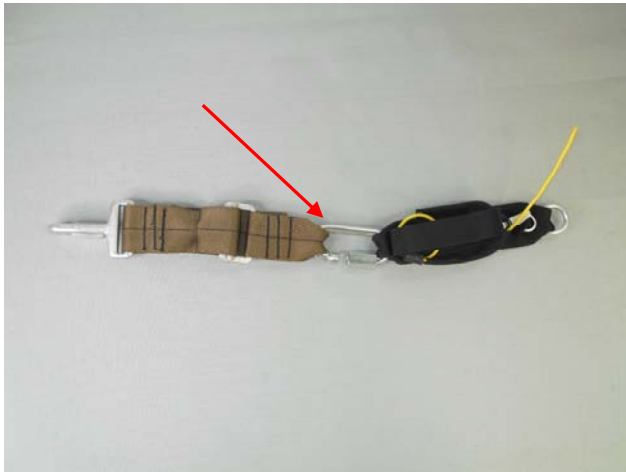


Shown above is the Drop-Line Harness Release Handle (TPDS-RRH-203).



Place the Release Handle onto the Quick Link (TPDS-RRH-111) with the "barrel" closest to the handle.

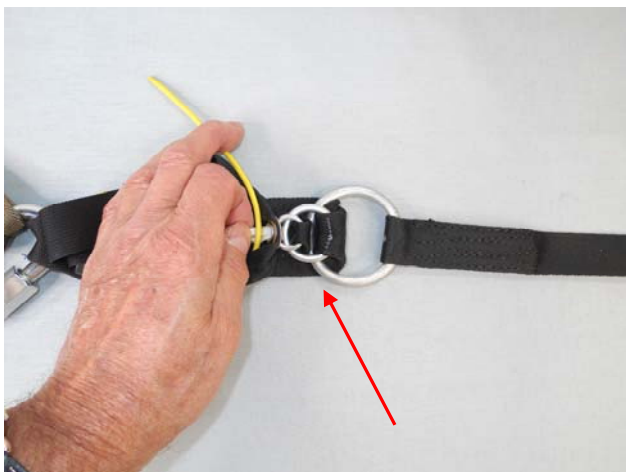




Next, place one of the pre-assembled Connectors onto the Quick Link (B-12 Snap facing down).



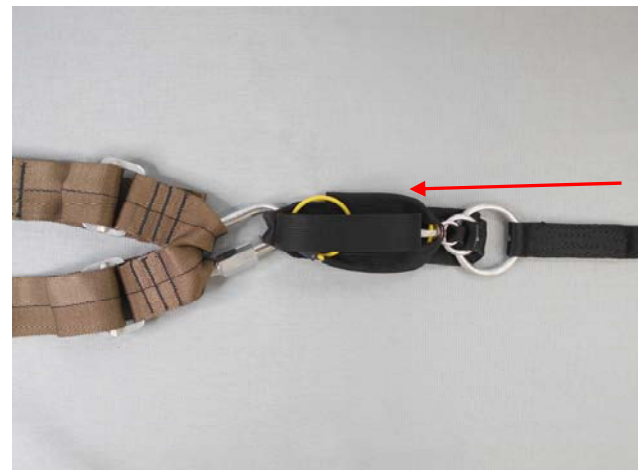
Place the other pre-assembled Connector onto the Quick Link (B-12 Snap facing down).



Assemble the large ring of the Drop-Line Lanyard (**TPDS-RRH-204**) to the Release Handle in the usual way.



Secure the 3-Rings closing loop with the yellow cable.



Tuck the excess yellow cable into the channel of the T-4 tape along side of the Release Handle.

Assembly is complete.



4.6 Secure the Drop-Line Assembly to the Drop Bag Harness.



Pass the large loop of the Drop-Line Lanyard under the T-8 webbing near the snap on the back side of the RRH-800.



Tighten the knot formed.



Pass the entire pre-assembled Drop-Line Assemble through the loop.



Stow the excess Lanyard in the pocket on the back of the **RRH-800**.

The **TPDS-RRH-800** Drop-Harness is ready for the mission.



Chapter 5

Donning for the Mission



Top Front Configuration

The two (2) **Top Connectors (TPDS-RRH-102)** Adjustable B-12's can be attached to the Top Cargo D-Rings of the Tactical Parachute Harness/ Container first.



Attach the Quick Ejectors of the Lower Straps to the D-rings of the Tactical Harness/Container.

Tighten and stow the excess lanyard in the Elastic Keepers.

Attach the **Drop-Line Connector (TPDS-RRH-202)** B-12 Snaps to the Top D-Ring attachment points of the Tactical Parachute Harness/Container System.



Pass the Quick Ejectors of the Lower Straps around the legs then attach them to the Harness Rings on the lower bag.

Attach the **Drop-Line Connector (TPDS-RRH-202)** B-12 Snaps to the **Top D-Ring** attachment points of the Tactical Parachute Harness/ Container system.



Lower Front Configuration with Invasion II Airborne Harness/Container

The two (2) **Upper Connectors (TPDS-RRH-102)** B-12's can be attached to the Mid-Cargo D-Rings of the Invasion II Parachute Harness/ Container first.



Pass the Quick Ejectors of the Lower Straps around the legs then attach them to the Harness Rings on the lower bag.

Attach the **Drop-Line Connector (TPDS-RRH-202)** B-12 Snaps to the Top D-Ring attachment points of the Tactical Parachute Harness/ Container system.



Chapter 6

Rapid Release Harness (RRH)
Parts List

PART #

Manufactured Parts

TPDS-RRH-800 Rapid Release Harness Assembly Complete

TPDS-RRH-101 Primary Release Handle

TPDS-RRH-102 Upper Attachment Connectors with large Ring

TPDS-RRH-103 3-Ring Release Risers

TPDS-RRH-104 Adjustable Quick Ejector Snaps

TPDS-RRH-105 Quick Ejector Release Pulls

TPDS-RRH-106 Adjustable B-12 Snaps

TPDS-RRH-107 Primary Release Handle Safety Lanyard

TPDS-RRH-108 Elastic Keepers

TPDS-RRH-109 Quick Ejector Snaps

TPDS-RRH-110 Solid Adapters

TPDS-RRH-111 Drop-Line Quick Link

TPDS-RRH-112

TPDS-RRH-113



TPDS-RRH-200	Drop-Line Assembly
TPDS-RRH-201	Drop-Line Adjustable Connectors
TPDS-RRH-202	Drop-Line Connectors with B-12 Snaps
TPDS-RRH-203	Drop-Line Release Handle
TPDS-RRH-204	Drop-Line Lanyard
TPDS-RRH-601	T-VIII Webbing – (yd.)
TPDS-RRH-602	T-17 Webbing – (yd.)
TPDS-RRH-603	1000 Denier Cordura- (yd.)
TPDS-RRH-700	Rapid Release Harness (RRH) Manual

Chapter 7

Spare Parts



PRIMARY DROP-LINE RELEASE HANDLE
TPDS-RRH-101



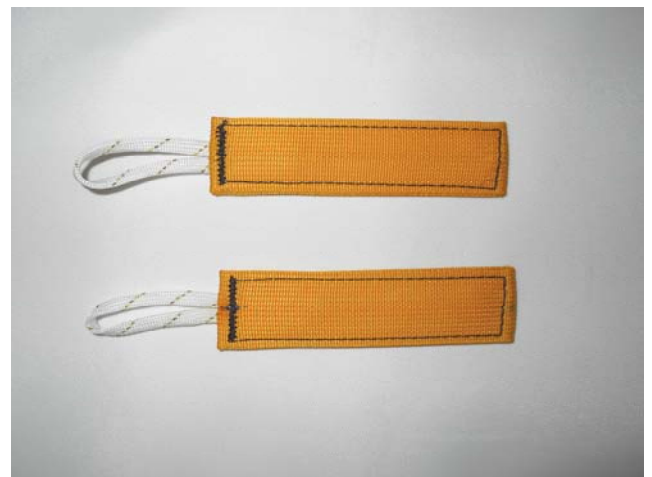
UPPER HARNESS ATTACHMENT RISERS
TPDS-RRH-102



3-RING RELEASE RISERS
TPDS-RRH-103



ADJUSTABLE QUICK EJECTOR SNAPS
TPDS-RRH-104



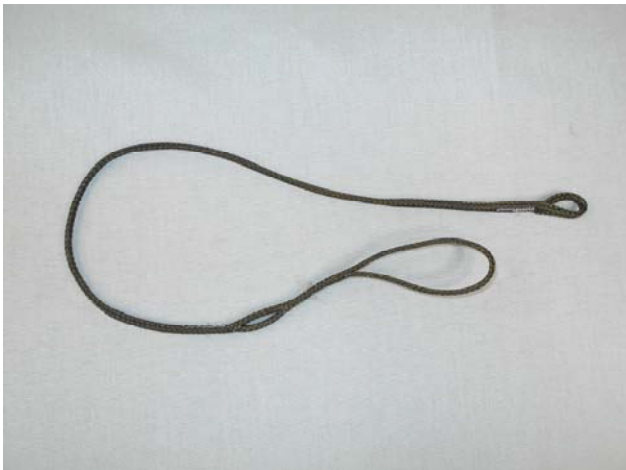
QUICK EJECTOR RELEASE PULLS
TPDS-RRH-105



ADJUSTABLE B-12 SNAPS x2
TPDS-RRH-106



QUICK EJECTOR SNAPS x2
TPDS-RRH-109



PRIMARY RELEASE HANDLE SAFETY LOOP
TPDS-RRH-107



SOLID ADAPTERS x2
TPDS-RRH-110



ELASTIC KEEPERS
TPDS-RRH-108



DROP-LINE QUICK LINK
TPDS-RRH-111





**DROP-LINE ASSEMBLY
TPDS-RRH-200**



**DROP-LINE CONNECTORS
TPDS-RRH-202**



**DROP-LINE RELEASE HANDLE
TPDS-RRH-203**



**DROP-LINE ADJUSTABLE CONNECTORS
TPDS-RRH-201**



**DROP-LINE LANYARD
TPDS-RRH-204**





NOTES: