QuasarII TraineR

Addendum to Quasar II manual Rev. B 3/99

Component List Quasar II Trainer, PN 115102
Your new Quasar II Trainer is shipped with the following components,
Optional components in Italic.

Qty	Description	Part Number
1ea	Harness / Container assembly, CYPRES ready	115102
1ea	Reserve pilot chute*	790144
1ea	Molar type reserve free bag with 13'bridle (Square Reserve Only)**	730500
1ea	*Reserve free bag for eXtra Large Trainer*	*730410*
1pr	Reserve steering toggle, Red	866026
1ea	Reserve closing loop, Dyneema for Cypres	861018
1ea	Reserve ripcord	611274
1ea	*Reserve/Release ripcord, OHDA (One Handle Does All) & BHDA (Both Handles Do All)*	*611314*
1 ea	*Reserve/Release ripcord, OHDA (One Handle Does All) & BHDA (Both Handles Do All) eXtra Large Trainer*	*611314XL*
1ea	Reserve static line with quick release	780627
1ea	Main deployment bag (Combi bag)	720900
1ea	Static line with flex pin and Protector sleeve 8 ft (Yellow)	780509
1ea	*Alternative Static line with flex pin and Protector sleeve 12 ft (Yellow)*	*780507*
1ea	Retainer strap (Red, 1/2" tubular)	780520
1ea	Rapide link No. 6	913116
1ea	Link bumper for No. 6 Rapide link	863105
1pr	Main risers	834003
1pr	Main toggles, Gold	866028
1ea	Single point release handle (cut-away handle)	862017
1ea	*Release handle for eXtra Large Trainer*	*862027*
1ea	Main closing loop	861013
5ea	*Riser through loop, for BHDA system*	*861515*
10ea	Rubber bands (1 1/4" x 3/8")	971011
1ea	Pull up cord	N/A
1ea	Reserve packing data card	570500
1ea	Quasar II Owner's Manual with this addendum	510050

* Only the Quasar II reserve pilot chute is approved for use with this system. Do not substitute any other pilot chute.

** Only the Quasar II molar type reserve free bag is approved for use when packing a ram air reserve into this system. Do not substitute any other free bag.

For optional Packages, see page 2.

STRONG ENTERPRISES
11236 SATELLITE BLVD.
ORLANDO, FL 32837
Tel (407) 859-9317
Fax (407) 850-6978
E-mail: Sales@strongparachutes.com
www.strongparachutes.com
THE PARACHUTE COMPANY WITH IMAGINATION

QuasarII TraineR

Optional Free Fall Package (PN 099705) includes the additional components:

Qty	Description	Part Number
1ea	Hand deploy pilot chute, non collapsible, 33”	790433

Optional AFF Package (PN 099706) includes the additional components:

Qty	Description	Part Number
1ea	Grabber main pilot chute	790130
1ea	Main bridle	810155
1ea	AFF release handle	862205
1ea	Main ripcord with PVC handle	688184

Optional Free Fall/AFF Combo Package (PN 099707) includes the additional components:

Qty	Description	Part Number
1ea	Hand deploy pilot chute, non collapsible, 33”	790433
1ea	Grabber main pilot chute	790130
1ea	Main bridle	810155
1ea	AFF release handle	862205
1ea	Main ripcord with PVC handle	688184

Optional Pilot Chute Assist package (PN 099706) includes the additional components:

Qty	Description	Part Number
1ea	Pilot Chute Assist (male and female)	780513

Optional AFF w/ BOC hand deploy (PN 099710) package includes the additional components:

Qty	Description	Part Number
1ea	BOC AFF pouch	828031
1 ea	Jumpmaster handle, Left side	862206
1ea	Hand deploy pilot chute, non collapsible, 33”	790433

Assembly of the Quasar II Trainer with Combi Bag for direct bag static line.

1. Attach the **Red** retainer strap to the bridle attachment point on top of the canopy using a larks head knot. To prevent loosing the retainer strap, handtack in place.
   The retainer strap should be routed up through the grommet on top of the bag, on each repack for easy change from direct bag to pilot chute or vice versa.

2. Thread the Yellow static line through the vinyl bumper and connect to the bag, using the No.6 Rapide link and slide the bumper over the link. Fold the Red retainer strap into the elastic retainer on the bag.

   WARNING!

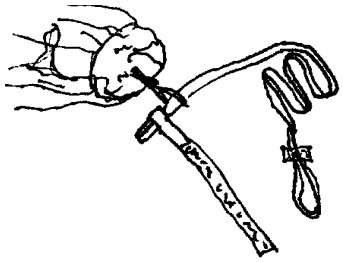
   Do not connect the Red retainer strap!
   It will cause a student in tow or tear up the top of the canopy.

Assembly of the Quasar II Trainer with Pilot Chute (Hand Deploy or Throw-out)

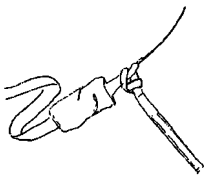
1. Thread the bridle from the pilot chute through the bumper and connect to the bag and retainer strap with the No. 6 Rapide link.
   Finger tight and slide the bumper over the link.
   The retainer strap is routed from the canopy bridle attachment up through the grommet.

Assembling the Pilot Chute Assist

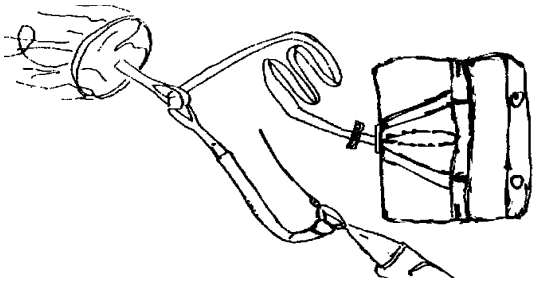
1. Thread small loop end of main bridle through Grabber pilot chute loop and through female (loop) part of pilot chute assist. Thread other end of bridle through the small loop, forming a lark's head knot.



2. Attach male (hook) part of pilot chute assist to static line loop using a lark's head knot. Pull tight.



3. Mate Velcro® on Pilot Chute Assist.



Pin Protector Flap

WARNING!!! To prevent main pack closure.

When using a spring loaded main pilot chute, the main pin protector flap **must** be tucked under the side flaps at the top. **DO NOT** insert it into the center flap.
For modification of Quasar II Trainers manufactured before 11/4/99 see Strong Enterprises drawing 343805 (Page 6 of this addendum).

STUDENT BOC THROWOUT SYSTEM

AFF B.O.C. Breakaway Pouch

Packing:
Close the breakaway pouch by inserting the yellow cable through each alternating loop, beginning at the Velcro® end. Stow the excess cable into the channel at the end of the pouch. Mate the handle securely with the two pile Velcro® pieces on the pouch.

Use:
When the red handle is pulled all the way out, extracting the yellow cable, the Spandura® pouch will open. It will expose the pilot chute to the relative wind and initiate main deployment.

Main Ripcord with AFF Breakaway Pouch

If your system is equipped with an AFF breakaway pouch and you wish to use a spring loaded pilot chute and ripcord, follow these instructions.

1. Close the Spandura® pouch using the yellow cable without the red handle attached (PN 862208). Insert the yellow cable through each alternating loop beginning at the Velcro® end of the pouch. Stow the excess cable in the channel at the end of the pouch and tuck the other end (with the loop) up under the 1” protector strip.

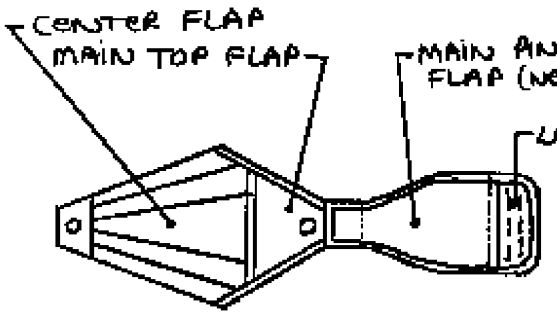
2. Mate the left side jumpmaster handle (PN: 862207) securely with the two pile Velcro® pieces on the end of the pouch. Mate the hook Velcro® on the handle extension to the pile Velcro® on the bottom flap of the container.

3. When closing the main container, make sure that the left jumpmaster handle extension lays on top of the side flaps. The ripcord goes through the loop in the handle, between the end of the ripcord housing and the grommet. Close the pin protector flap over the left handle extension.

THIS MODIFICATION IS TO BE RETROFITTED ON ALL QUASAR II TRAINERS MANUFACTURED BEFORE 11-4-99.

"IN SHOP" OR "IN FIELD" RETROFIT TO BE PERFORMED AS FOLLOWS:

1. REMOVE EXISTING MAIN PIN PROTECTOR FLAP FROM MAIN BOTTOM FLAP.
2. SEW THE NEW MAIN PIN PROTECTOR FLAP ON THE TOP SIDE (OUTSIDE) OF THE MAIN TOP FLAP AS SHOWN IN THE DRAWING BELOW, USING ANY ONE OF THE FOLLOWING STICHES:
   - A. 1 ROW OF 304 ZIG-ZAG "E" THREAD.
   - B. 1 ROW OF 308 ZIG-ZAG "E" THREAD.
   - C. 2 ROWS OF 301 STRAIGHT STICH "E" THREAD.
   - D. 1 ROW OF 301 STRAIGHT STICH "FF" THREAD.



TOP VIEW

SIDE VIEW (OPEN)

SIDE VIEW (CLOSED)

STRONG ENTERPRISES 11836 SATELLITE BLVD. ORLANDO, FL 32837 USA (407) 859-3917	TITLE QUASAR II TRAINER MAIN PIN PROTECTOR FLAP MOD.	SIZE A	DRAWING NO. 343805	REV.
DRAWN BY: DMS / DATE 11-4-99 / CHECKED BY: / DATE	APPROVED BY: Ted Strong / DATE 11/4/99			SCALE NONE / SHEET 1 OF 1

Both Handle Do All, system

Description:

The Both Handle Do All (BHDA)system allows the jumper to cut away the main canopy and activate the reserve in one action by pulling either the release handle or the reserve ripcord. The BHDA system has the usual release housing installed on the right side MLW (with the standard release handle) and also has a second pair of release housings installed on the jumper's left side and the second pair of release cables are attached to the reserve handle. This system has a unique reserve handle, and uses special main risers. Both sets of release housing are standard length.

When the release handle is pulled, the left side riser will release first and then the right side riser releases.
The RSL lanyard, attached to the right side riser, will pull the reserve ripcord as the jumper falls away from the main canopy. Pulling the release handle will activate the reserve only if there is a main canopy deployed to cut away from.

When the reserve handle is pulled the left riser will release first, leaving two inches more travel needed for the right riser to release. When the right riser release, there will be two inches more of travel to pull the reserve pin.

Attaching the Risers to the Harness/Container Assembly:

The risers for the BHDA system attaches slightly different then standard risers.

The reserve canopy should be packed and the reserve ripcord/breakaway cable in place. This means that one of the cable housings on each main lift web will have a cable showing. Lay the canopy out, so that the lines are straight with no twists in the risers and do a continuity check.
Put a through loop (PN8615151) on the cable that exits the housing on the left main lift web. Route the through loop through the grommet on the housing. Now position the left riser and connect the three ring release system. Bring the loose end of the through loop through the upper grommet and loop it over the small ring then back through the second grommet on the riser. Put the loop through the grommet on the second cable housing and put the breakaway cable through the loop. Be sure the cable is routed properly in the housing and the through loop. Check that the three ring is not misrouted and that it will release when one of the two cables is pulled.

Put a through loop (PN8615151) on the cable that exits the housing on the right main lift web. Route the through loop through the grommet on the housing. Now position the right riser and connect the three ring release system. Bring the loose end of the through loop through the upper grommet and loop it over the small ring then back through the second grommet on the riser. Put the loop through the grommet on the second cable housing and put the breakaway cable through the loop. Be sure the cable is routed properly in the housing and the through loop. Check that the three ring is not misrouted and that it will release when one of the two cables is pulled.

It is important that each end of any through loop has only one cable routed through it and that both the breakaway and reserve ripcord handles are firmly in place.