

Quasar II 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 |
| <i>1ea</i> | <i>Reserve free bag for eXtra Large Trainer</i> | <i>730410</i> |
| 1pr | Reserve steering toggle, Red | 866026 |
| 1ea | Reserve closing loop, Dyneema for Cypres..... | 861018 |
| 1ea | Reserve ripcord..... | 611274 |
| <i>1ea</i> | <i>Reserve/Release ripcord, OHDA (One Handle Does All) & BHDA (Both Handles Do All)</i> | <i>611314</i> |
| <i>1 ea</i> | <i>Reserve/Release ripcord, OHDA (One Handle Does All) & BHDA (Both Handles Do All) eXtra Large Trainer.....</i> | <i>611314XL</i> |
| 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 |
| <i>1ea</i> | <i>Alternative Static line with flex pin and Protector sleeve 12 ft (Yellow)</i> | <i>780507</i> |
| 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 |
| <i>1ea</i> | <i>Release handle for eXtra Large Trainer.....</i> | <i>862027</i> |
| 1ea | Main closing loop..... | 861013 |
| <i>5ea</i> | <i>Riser through loop, for BHDA system.....</i> | <i>861515</i> |
| 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.



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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 |
| 1ea | 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.**



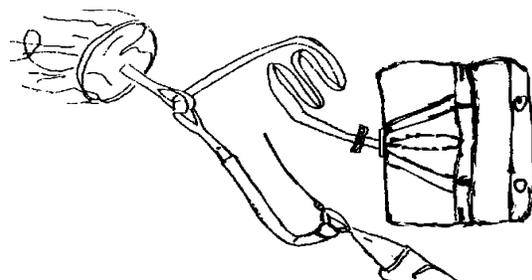
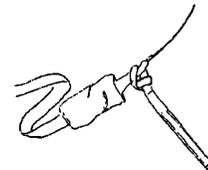
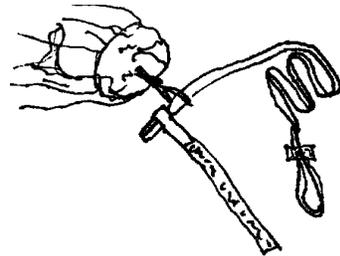
Assembly of the Quasar II Trainer with Pilot Chute (Hand Deploy or Throw-out)

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.

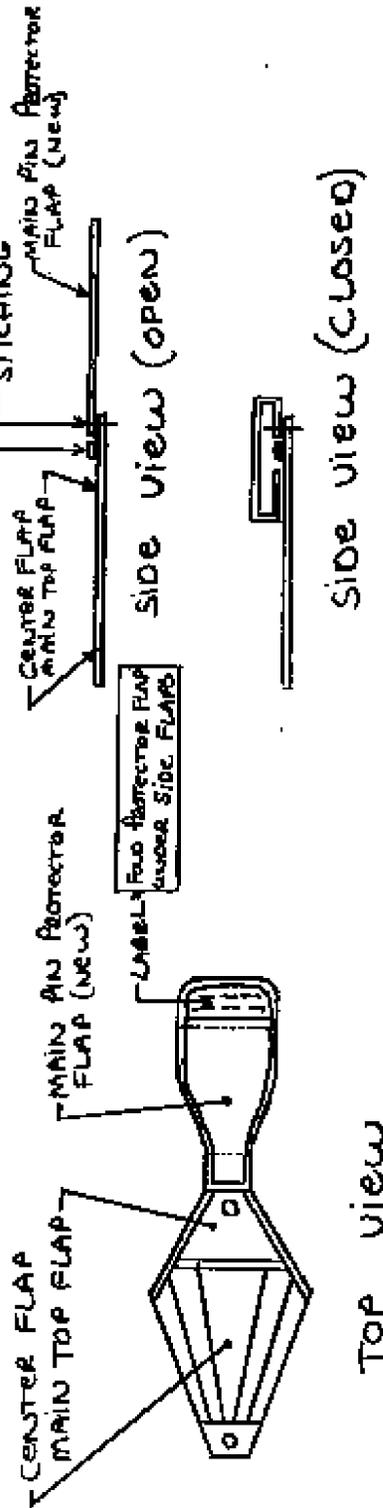
Main Ripcord with AFF Breakaway Pouch

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 stitches:
 - A. 1 row of 304 zig-zag "E" thread.
 - B. 1 row of 308 zig-zag "E" thread.
 - C. 2 rows of 301 straight stitch "E" thread.
 - D. 1 row of 301 straight stitch "FF" thread.



| | | | | | |
|---|-----------------|--|-----------|------------------------------------|---------------|
| STRONG ENTERPRISES 11886 SATELLITE BLVD. ORLANDO, FL 32827 USA (407) 269-9817 | | TITLE QUASAR II TRAINER MAIN PIN PROTECTOR FLAP MOD. | SIZE A | DRAWING NO. 343805 | REV. |
| DRAWN BY: QMS | DATE 11-4-99 | CHECKED BY: | DATE | APPROVED BY: <i>[Signature]</i> | 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.