



**THIS INSPECTION CHECKLIST MUST BE COMPLETED EACH YEAR or FOR  
EACH 100 HOURS OF FLIGHT and/or TETHER.**

See Pg. 1 - 1 of this manual.

*This inspection checklist dated August 01, 2017 will be incorporated into the next Revision of this manual.  
It should be used immediately in lieu of any previously released versions.*

## APPENDIX B

### INSPECTION CHECK LIST, ANNUAL/100 HOUR

MODEL \_\_\_\_\_ N# \_\_\_\_\_ DATE STARTED \_\_\_\_\_

OWNER \_\_\_\_\_ WORK ORDER # \_\_\_\_\_

ENVELOPE: PART # \_\_\_\_\_ SERIAL # \_\_\_\_\_ N/A ☐  
Total Time : \_\_\_\_\_ Total Time at Last Annual : \_\_\_\_\_

BASKET: PART # \_\_\_\_\_ SERIAL # \_\_\_\_\_ N/A ☐  
Total Time : \_\_\_\_\_ (If Different Than Envelope)

BURNER: PART # \_\_\_\_\_ SERIAL # \_\_\_\_\_ N/A ☐  
Total Time : \_\_\_\_\_ (If Different Than Envelope)

INSTRUMENTS: MAKE/MODEL \_\_\_\_\_ N/A ☐  
SERIAL #'s: ALTIMETER \_\_\_\_\_ VSI \_\_\_\_\_ N/A ☐

WIRED TEMPERATURE GAUGE \_\_\_\_\_ N/A ☐  
WIRELESS TEMPERATURE GAUGE RECEIVER \_\_\_\_\_ N/A ☐  
WIRELESS TEMPERATURE GAUGE TRANSMITTER \_\_\_\_\_ N/A ☐

FUEL TANKS: Indicate Total Time (TT) if different than envelope: N/A ☐

TT _____	1) PART # _____	SERIAL # _____	N/A <input type="checkbox"/>
TT _____	2) PART # _____	SERIAL # _____	N/A <input type="checkbox"/>
TT _____	3) PART # _____	SERIAL # _____	N/A <input type="checkbox"/>
TT _____	4) PART # _____	SERIAL # _____	N/A <input type="checkbox"/>
TT _____	5) PART # _____	SERIAL # _____	N/A <input type="checkbox"/>
TT _____	6) PART # _____	SERIAL # _____	N/A <input type="checkbox"/>

INSPECTION PERFORMED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

INSPECTION CERTIFIED BY: \_\_\_\_\_ CERTIFICATE # \_\_\_\_\_

This Aircraft/Component(s) found to be **AIRWORTHY / UN-AIRWORTHY**

(circle one)



## DAMAGE AND REPAIR LOG

DAMAGE	AREA or COMPONENT	REPAIR METHOD	REPAIRED BY
1)			
2)			
3)			
4)			
5)			
6)			
7)			
8)			
9)			
10)			



**I. FABRIC** .....(SECTION N/A ☐)

***THE FABRIC STRENGTH TESTS IN SECTIONS A, B, C, D & E ARE NOT REQUIRED FOR ENVELOPES WITH LESS THAN 100 HOURS TT AND LESS THAN 2 YEARS FROM THE DATE OF CERTIFICATION.***

***THESE TESTS ARE REQUIRED ON ANY ENVELOPE OUTSIDE OF EITHER OF THESE PARAMETERS,.***

**A. FABRIC STRENGTH, ENVELOPE**

**30 lbs., 1" grab test over 3 inch span, both ripstop directions (not parachute)**

\_\_\_\_\_ area 1: Top panel 6"↓ from parachute hole & 6" → or ← of VLT, all colors

\_\_\_\_\_ area 2: Top ripstop panel 6"↓ from seam & 6" → or ← of VLT, all color

\_\_\_\_\_ area 3: All suspicious, moldy, discolored or mildewed areas

**B. FABRIC STRENGTH, TURNING VENT** .....(SECTION N/A ☐)

**30 lbs., 1" grab test over 3 inch span, both ripstop directions**

\_\_\_\_\_ inner panels, 6" from outer edge, all panels & nearest envelope panels

\_\_\_\_\_ outer panels, 6" from outer edge, all panels & nearest envelope panels

**C. FABRIC STRENGTH, SPECIAL SHAPE DIAPHRAGMS**.....(SECTION N/A ☐)

**30 lbs., 1" grab test over 3 inch span, both ripstop directions**

\_\_\_\_\_ Various Selected Diaphragms, enough to insure envelope integrity

**D. FABRIC STRENGTH, PARACHUTE, SMART & EASY VENT I & II (RDS)** (SECTION N/A ☐)

**30 lbs., 1" grab test over 3" span, both ripstop directions**

**(NOT the outer edge of parachute)**

\_\_\_\_\_ area 1: 6"↓ from parachute patch, all colors

\_\_\_\_\_ area 2: 6"↑ from Velcro tab, all colors

\_\_\_\_\_ area 3: Parachute patch

\_\_\_\_\_ area 4: All suspicious, moldy, discolored or mildewed areas

**20 lbs., 1" grab test over 3 inch span, both ripstop directions (REQUIRED)**

**(outer edge of parachute)**

\_\_\_\_\_ area 1: 3" ↑ from outer edge and 6" → or ← of seam, all colors

\_\_\_\_\_ area 2: All suspicious, moldy, discolored or mildewed areas

**E. FABRIC STRENGTH, RIP PANEL** .....(SECTION N/A ☐)

**30 lbs., 1" grab test over 3 inch span, both ripstop directions**

\_\_\_\_\_ 6" from lower outer corners of flap

\_\_\_\_\_ 6" from lower outer corners of flap hole on envelope

**F. FABRIC INTEGRITY**

\_\_\_\_\_ gore by gore inspection completed & discrepancies noted on pg. 2 & 16, 17 or 18

\_\_\_\_\_ special shape hot inflated for interior & exterior inspection

\_\_\_\_\_ no un-repaired unacceptable holes, cuts, melt damage & abrasions

\_\_\_\_\_ note mold/mildew on pg. 2 & 19, 20 or 21

\_\_\_\_\_ no un-repaired stitching damage

**G. WINDOW (TRANSPARENT FABRIC)**.....(SECTION N/A ☐)

\_\_\_\_\_ Inspect the Window material for tears & cracking, replace if any found

\_\_\_\_\_ Inspect the adhesive tape fitted to the edge of the Window, replace if damaged

\_\_\_\_\_ Inspect for Fraying, if damage reaches the adhesive tape – **It Must be Repaired**



**II. ENVELOPE**..... (SECTION N/A ☐ )

**A. CARABINERS** - Quantity..... (SECTION N/A ☐ )

- \_\_\_\_\_ no corrosion or rust
- \_\_\_\_\_ locking gates and collars functional

**B. MOUTH CABLES, STAINLESS STEEL**..... (SECTION N/A ☐ )

- \_\_\_\_\_ no heat damage
- \_\_\_\_\_ no abrasion damage
- \_\_\_\_\_ no kinks
- \_\_\_\_\_ no broken wire strands
- \_\_\_\_\_ cable attachment sewing intact
- \_\_\_\_\_ cable attachment covers (boots) undamaged (**Optional: Update per Appendix AA**)
- \_\_\_\_\_ cable swaging in good condition
- \_\_\_\_\_ heat shrink covers in good condition
- \_\_\_\_\_ thimbles in good condition and secure

**C. MOUTH CABLES, KEVLAR**..... (SECTION N/A ☐ )

- \_\_\_\_\_ no heat damage to cover or Kevlar core
- \_\_\_\_\_ no abrasion damage
- \_\_\_\_\_ splice stitching undamaged
- \_\_\_\_\_ clean except for dust and light soiling
- \_\_\_\_\_ cable attachment covers (boots) undamaged (**Optional: Update per Appendix AA**)
- \_\_\_\_\_ thimbles in good condition and secure

**D. SCOOP (Optional) (NON-Airworthiness Item)** ..... (SECTION N/A ☐ )

- \_\_\_\_\_ fabric in good condition
- \_\_\_\_\_ attachment points secure and undamaged
- \_\_\_\_\_ shock cords and attachment clips in good condition

**E. I.D. PLATE & MOUTH TAPE**

- \_\_\_\_\_ I.D. Plate present, secure and information correct
- \_\_\_\_\_ Mouth Tape Splice Stitching Undamaged
- \_\_\_\_\_ Mouth Tape Re-Enforcing Tape Present & Undamaged: (**140 & Up ONLY**)

**A-series VLT 20 to VLT 2, O-series VLT 12 to 2, N & Z-series VLT 12R to 2L or 24 to 2 or 32 to 2**

**F. LOAD TAPES: VERTICAL**

- \_\_\_\_\_ bottom to top inspection completed & discrepancies **noted on pg. 2 & 19, 20 or 21**
- \_\_\_\_\_ no un-repaired abrasions
- \_\_\_\_\_ no un-repaired cuts
- \_\_\_\_\_ no un-repaired melt damage
- \_\_\_\_\_ no un-repaired stitching damage
- \_\_\_\_\_ Kevron VLT nylon cover stitching at parachute free tapes & mouth not damaged

**G. PARACHUTE RETRIEVAL LINE (NON-Airworthiness Item)** (SECTION N/A ☐ )

- \_\_\_\_\_ length correct (**approximately 14 feet ± .5 feet**)
- \_\_\_\_\_ attachment at parachute patch in good condition



**H. LOAD TAPES: CENTER GORE, WEB & SPIDER..... (SECTION N/A ☐ )**

- \_\_\_\_\_ no un-repaired abrasions
- \_\_\_\_\_ no un-repaired cuts
- \_\_\_\_\_ no un-repaired melt damage
- \_\_\_\_\_ no un-repaired stitching damage

**I. CROWN RING**

- \_\_\_\_\_ no non repaired abrasion damage, burrs or corrosion

**J. CROWN LINE (NON-Airworthiness Item)..... (SECTION N/A ☐ )**

- \_\_\_\_\_ length correct
- \_\_\_\_\_ acceptable abrasion damage
- \_\_\_\_\_ attachment clip present and in good condition

**K. TEMPERATURE LABELS (Parachute Center Patch & Envelope VLT #3 or #3R)**

- \_\_\_\_\_ latest installed: reading on envelope \_\_\_\_\_ Date \_\_\_\_\_
- \_\_\_\_\_ latest installed: reading on parachute \_\_\_\_\_ Date \_\_\_\_\_
- \_\_\_\_\_ highest temp. ever recorded on any label \_\_\_\_\_ Date \_\_\_\_\_
- \_\_\_\_\_ location of highest temp recorded: parachute or envelope (circle one)

**NEW: DATED and INITIALED temperature labels installed (REQUIRED):**

- \_\_\_\_\_ properly installed per Appendix AB
- \_\_\_\_\_ in parachute at center patch edge next to existing label(s)
- \_\_\_\_\_ on VLT #3 (or #3R) next to existing label(s)

**III. TURNING VENTS(S)..... (SECTION N/A ☐ )**

**A. VENT FLAP FINGER LINES**

- \_\_\_\_\_ Kevlar \_\_\_\_\_ Polyester \_\_\_\_\_
- \_\_\_\_\_ no abrasion damage
- \_\_\_\_\_ condition good

**B. BLACK (blue) LINE .....(SECTION N/A ☐ )**

- \_\_\_\_\_ no abrasion or melt damage
- \_\_\_\_\_ condition good
- \_\_\_\_\_ pulley in good, functional condition

**C. GREEN (yellow) LINE.....(SECTION N/A ☐ )**

- \_\_\_\_\_ no abrasion or melt damage
- \_\_\_\_\_ condition good
- \_\_\_\_\_ pulley in good, functional condition



**IV. PARACHUTE TOP.....(SECTION N/A ☐ )**

**A. VALVE CENTERING LINES**

- \_\_\_\_\_ lines in good condition
- \_\_\_\_\_ correct length
- \_\_\_\_\_ envelope & parachute attachment points secure

**B. SHROUD LINES**

- \_\_\_\_\_ lines in good condition

**C. SHROUD PULLEY**

- \_\_\_\_\_ in good condition
- \_\_\_\_\_ roller spins freely

**D. VELCRO TABS & REINFORCEMENT WEBBING**

- \_\_\_\_\_ holding force good
- \_\_\_\_\_ stitching intact

**E. PARACHUTE (ROUND RED) LINE**

- \_\_\_\_\_ length correct
- \_\_\_\_\_ no abrasion damage
- \_\_\_\_\_ no melt damage
- \_\_\_\_\_ termination point attachment secure and intact
- \_\_\_\_\_ lower pulley(s) undamaged, functional and secure

**V. EASY VENT I & II TOP & SMART VENT TOP (RDS) (SECTION N/A ☐ )**

**A. SHROUD / VALVE CENTERING / FLYING PULLEY LINES & PULLEYS**

- \_\_\_\_\_ shroud/valve centering lines & knots in good condition
- \_\_\_\_\_ envelope & parachute attachment points in good condition
- \_\_\_\_\_ envelope or flying pulley & parachute pulleys in good condition and roller spins freely:
- \_\_\_\_\_ **Easy Vent II Only:** flying pulley lines & knots in good condition
- \_\_\_\_\_ lubricate with Sailkote spray or equivalent

**B. SHROUD PULLEY**

- \_\_\_\_\_ in good condition
- \_\_\_\_\_ roller spins freely

**C. VELCRO TABS & REINFORCEMENT TAPES**

- \_\_\_\_\_ holding force good
- \_\_\_\_\_ stitching intact

**D. ROUND RED LINE**

- \_\_\_\_\_ length correct
- \_\_\_\_\_ no abrasion damage
- \_\_\_\_\_ no melt damage
- \_\_\_\_\_ termination point attachment secure and intact
- \_\_\_\_\_ lower pulley(s) undamaged, functional and secure
- \_\_\_\_\_ storage bag present



**E. FLAT RED LINE**

- \_\_\_\_\_ length correct
- \_\_\_\_\_ no abrasion damage
- \_\_\_\_\_ no melt damage
- \_\_\_\_\_ SS-Ring and attachment undamaged
- \_\_\_\_\_ Interface between flat & round rope secure & undamaged (2:1, 3:1 & 4:1)
- \_\_\_\_\_ dead leg: pulley & attachment undamaged, functional & secure
- \_\_\_\_\_ storage bag present

**F. SMART VENT LIMIT LINE ATTACHMENTS**

- \_\_\_\_\_ attachment points secure

**G. ALTERNATIVE PULL PULLEYS**

- \_\_\_\_\_ attachment points secure
- \_\_\_\_\_ undamaged (intact and roller not grooved) and spins freely
- \_\_\_\_\_ lubricate with Sailkote (Drylube) spray or equivalent

**H. EASY VENT I & II**

- \_\_\_\_\_ SS rings, restraining lines & attachments in good condition

**VI. RIP PANEL.....(SECTION N/A ☐ )**

**A. PERIMETER VELCRO**

- \_\_\_\_\_ 30 lbs., grab test over 12" span **(Required)**
- \_\_\_\_\_ replaced after every 100 hrs. of operation **(Required)**

**B. UPPER PULLEY AND ATTACHMENT POINT**

- \_\_\_\_\_ pulley in good condition
- \_\_\_\_\_ attachment point in good condition

**C. RIP LOCK HOOKS**

- \_\_\_\_\_ in good condition, no abrasions or roughness

**D. RIP LOCK HOOK LOOPS**

- \_\_\_\_\_ in good condition

**E. "D" RINGS ATTACHMENTS**

- \_\_\_\_\_ in good condition

**F. UPPER RIP LINE**

- \_\_\_\_\_ in good condition
- \_\_\_\_\_ length checked and correct

**G. LOWER RIP LINE**

- \_\_\_\_\_ in good condition
- \_\_\_\_\_ length checked and correct

**H. UPPER TO LOWER RIP LINE JUNCTION**

- \_\_\_\_\_ SS ring present
- \_\_\_\_\_ pulley & attachment in good shape
- \_\_\_\_\_ Velcro on pulley in good condition



**VII. PRE-VENT SYSTEM .....(SECTION N/A ☐ )**

**A. SHROUD/VCL LINES**

- \_\_\_\_\_ lines in good condition
- \_\_\_\_\_ correct length
- \_\_\_\_\_ envelope & parachute attachment points secure

**B. PULLEYS**

- \_\_\_\_\_ attachment points secure
- \_\_\_\_\_ undamaged (intact and roller not grooved) and spins freely
- \_\_\_\_\_ lubricate with Sailkote spray or equivalent

**C. MAIN PULLEY**

- \_\_\_\_\_ in good condition
- \_\_\_\_\_ roller spins freely

**D. LOWER PULLEY**

- \_\_\_\_\_ in good condition
- \_\_\_\_\_ roller spins freely

**E. WHITE LINE**

- \_\_\_\_\_ length correct
- \_\_\_\_\_ no abrasion damage
- \_\_\_\_\_ no melt damage
- \_\_\_\_\_ termination point attachment secure and intact





**VIII. BURNER** ..... (SECTION N/A ☐ )

**A. INNER FRAME** ..... (SECTION N/A ☐ )

- \_\_\_\_\_ shape correct (**1" deflection maximum**)
- \_\_\_\_\_ no cracks in tubing
- \_\_\_\_\_ no corrosion or rust (MK III red frame)

**B. OUTER FRAME - FLEXIBLE SYSTEM** ..... (SECTION N/A ☐ )

- \_\_\_\_\_ not bent & no cracks in tubing
- \_\_\_\_\_ corner shackles in good condition
- \_\_\_\_\_ shackle pins & nuts in good condition
- \_\_\_\_\_ corner welds unbroken

**MK III RED FRAME** ..... (SECTION N/A ☐ )

- \_\_\_\_\_ no corrosion or rust
- \_\_\_\_\_ wing nuts & bolts in good condition
- \_\_\_\_\_ wing nuts friction force correctly adjusted

**C. OUTER FRAME – FLEXI POLE SYSTEM** ..... (SECTION N/A ☐ )

**FLEXIBLE CORNER** ..... (SECTION N/A ☐ )

- \_\_\_\_\_ Flexi pole retaining sleeves & sleeve ears not bent
- \_\_\_\_\_ retaining sleeve bolts & nuts or Avibank pins in good condition
- \_\_\_\_\_ grommets undamaged (NON-Airworthiness Item)
- \_\_\_\_\_ not bent & no cracks in tubing
- \_\_\_\_\_ corner plates in good condition
- \_\_\_\_\_ all welds in good condition

**FIXED CORNER** ..... (SECTION N/A ☐ )

- \_\_\_\_\_ Flexi pole retaining sleeves not bent
- \_\_\_\_\_ not bent & no cracks in tubing
- \_\_\_\_\_ corner lugs in good condition
- \_\_\_\_\_ all welds in good condition

**GIMBAL BLOCK** ..... (SECTION N/A ☐ )

- \_\_\_\_\_ gimbal block in good condition
- \_\_\_\_\_ friction force adjusted to greater than or equal to minimum standard (**see Appendix U**)

**ADJUSTABLE HEIGHT** ..... (SECTION N/A ☐ )

- \_\_\_\_\_ Old Style: Saddles, bolts, friction washers and knobs in good condition
- \_\_\_\_\_ New Style: Bolts & Nuts tight
- \_\_\_\_\_ New Style: Pneumatic cylinder functional and securely attached

**D. SADDLE ASSEMBLIES** ..... (SECTION N/A ☐ )

- \_\_\_\_\_ saddles, bolts, nuts, friction washers (inner to outer frame) in good condition
- \_\_\_\_\_ saddles, bolts, nuts, friction washers (inner frame to burner) in good condition
- \_\_\_\_\_ friction force adjusted to greater than or equal to minimum standard (**see Appendix U**)

**E. CROSS SUPPORT TUBE - (MK III DOUBLE ONLY)** ..... (SECTION N/A ☐ )

- \_\_\_\_\_ straight (not bent)
- \_\_\_\_\_ pivot bolts and nuts in good condition



**F. COIL ASSEMBLY**

- \_\_\_\_\_ coils in good condition
- \_\_\_\_\_ welds unbroken and not leaking
- \_\_\_\_\_ corner supports in good condition
- \_\_\_\_\_ jets: present and tight

**F1. SLUPER TUBE**

**MK IV ULTRA & STRATUS ONLY**

- \_\_\_\_\_ Tubes Present
- \_\_\_\_\_ Tube upper end centered over jet orifice
- \_\_\_\_\_ Bracket set screw present & tight (thread locker recommended)

**G. PILOT LIGHT**

- \_\_\_\_\_ pilot valve handle tight
- \_\_\_\_\_ pilot light cup secure & in good condition
- \_\_\_\_\_ pilot light jet present & free of contamination

**H. REGULATOR (VAPORIZER), LIQUID PILOT LIGHT**

**MK IV SUPER – MK IV ULTRA - SIROCCO - STRATUS**

- \_\_\_\_\_ disassemble, clean and inspect **(REQUIRED)**

**I. PIEZO IGNITER ..... (SECTION N/A ☐ )**

- \_\_\_\_\_ piezo igniter electrode secure
- \_\_\_\_\_ piezo igniter electrode in good condition
- \_\_\_\_\_ piezo igniter actuator/generator in good condition

**MKIV STANDARD ..... (SECTION N/A ☐ )**

- \_\_\_\_\_ electrode clamp tight
- \_\_\_\_\_ igniter wire in good condition
- \_\_\_\_\_ igniter generator protective cover intact

**MK IV SUPER – MK IV ULTRA – SIROCCO**

- \_\_\_\_\_ pilot light cup/tube set screw secure

**STRATUS**

- \_\_\_\_\_ pilot light tube screwed securely onto the regulator housing

**J. BLAST VALVES**

**MK III & MK IV STANDARD ..... (SECTION N/A ☐ )**

- \_\_\_\_\_ O-rings & Teflon rings replaced **(REQUIRED)**
- \_\_\_\_\_ handle bolts or safety wire installed **(REQUIRED)**
- \_\_\_\_\_ blast valve flow direction correct

**MK IV SUPER ..... (SECTION N/A ☐ )**

- \_\_\_\_\_ toggle handle set screws tight
- \_\_\_\_\_ disassemble, inspect & lube "O" rings **(REPLACE O-RINGS IF DAMAGED)**

**MK IV ULTRA ..... (SECTION N/A ☐ )**

- \_\_\_\_\_ toggle handle set screws tight **(w/o Ultra Grip Only)**
- \_\_\_\_\_ Ultra grip handle screws tight
- \_\_\_\_\_ disassemble, inspect & lube "O" rings **(REPLACE O-RINGS IF DAMAGED)**



- SIROCCO** ..... (SECTION N/A ☐ )
- \_\_\_\_\_ Dual Action handle & trigger tight & functional
- \_\_\_\_\_ disassemble, inspect & lube "O" rings (**REPLACE O-RINGS IF DAMAGED**)
- REMOTE BLAST VALVE OPTION** ..... (SECTION N/A ☐ )
- \_\_\_\_\_ Check for proper Function, Operation & No Leaks
- \_\_\_\_\_ Remote Blast Valve Control tested, 4 activations
- STRATUS** ..... (SECTION N/A ☐ )
- \_\_\_\_\_ disassemble & inspect
- \_\_\_\_\_ **REPLACE** O-rings & Teflon rings (**REQUIRED**)
- K. 3 WAY TEE (MK III) & 4 WAY TEE (MK IV STANDARD)**..... (SECTION N/A ☐ )
- \_\_\_\_\_ shape correct (not bent) & not leaking
- L. PRESSURE GAUGE(S)**
- \_\_\_\_\_ functions correctly
- \_\_\_\_\_ needle zeros
- M. WHISPER (LIQUID) VALVE(S)**..... (SECTION N/A ☐ )
- \_\_\_\_\_ operates smoothly and correctly
- \_\_\_\_\_ handle tight
- MK IV ULTRA**
- \_\_\_\_\_ lubricate (**Section 6.9 B**)
- STRATUS** ..... (SECTION N/A ☐ )
- \_\_\_\_\_ disassemble & inspect
- \_\_\_\_\_ circlip present & in good condition
- \_\_\_\_\_ **REPLACE** O-rings & Teflon rings (**REQUIRED**)
- N. CROSS FLOW VALVE**..... (SECTION N/A ☐ )
- \_\_\_\_\_ operates smoothly
- \_\_\_\_\_ handle tight
- O. LIQUID HOSES (REPLACE AFTER 10 YEARS IN SERVICE)**
- \_\_\_\_\_ no cuts or abrasions
- \_\_\_\_\_ acceptable cracking **per Section 6.7**
- \_\_\_\_\_ no bulging or swelling
- \_\_\_\_\_ **RECORD** the date: **See Appendix Y for proper identification**
- Single & Double:** Left \_\_\_\_\_ Right \_\_\_\_\_ ( N/A ☐ )
- Triple :** Left \_\_\_\_\_ Right \_\_\_\_\_ Center \_\_\_\_\_ ( N/A ☐ )
- Quad:** Left (1) \_\_\_\_\_ Left (2) \_\_\_\_\_ Right (1) \_\_\_\_\_ Right (2) \_\_\_\_\_ ( N/A ☐ )
- \_\_\_\_\_ **LARGE BORE (1/2") HOSES** Fitted on Stratus Triple & Quad w/Cross Flow
- P. LIQUID HOSE CONNECTORS**
- REGO (ACME) STYLE**.....SECTION N/A ☐ )
- \_\_\_\_\_ in good condition, self-seal not collapsed
- \_\_\_\_\_ mates to tank valves & manifolds with no leaks
- \_\_\_\_\_ lubricated with spray silicone
- \_\_\_\_\_ High Flow Fittings Present on Stratus Triple w/Cross Flow



- TEMA**-----**(SECTION N/A ☐ )**  
\_\_\_\_ in good condition, self seal not collapsed  
\_\_\_\_ mates to tank valves & manifolds with no leaks  
\_\_\_\_ O-rings not damaged  
\_\_\_\_ lubricated with spray silicone
- Q. VAPOR HOSE (REPLACE AFTER 10 YEARS IN SERVICE)**-----**(SECTION N/A ☐ )**  
\_\_\_\_ no cuts  
\_\_\_\_ no abrasions  
\_\_\_\_ acceptable cracking per Section 6.9  
\_\_\_\_ no bulging or swelling  
\_\_\_\_ **RECORD** the date: **See Appendix Y for proper identification:**  
**Single & Double:** Left \_\_\_\_\_ Right \_\_\_\_\_ **( N/A ☐ )**  
**Triple:** Left \_\_\_\_\_ Right \_\_\_\_\_ Center \_\_\_\_\_ **( N/A ☐ )**  
**Quad:** Left (1) \_\_\_\_\_ Left (2) \_\_\_\_\_ Right (1) \_\_\_\_\_ Right (2) \_\_\_\_\_ **( N/A ☐ )**
- R. LEAK TEST**  
\_\_\_\_ leak test all valves, fittings & connections
- S. FUNCTIONAL TEST**  
\_\_\_\_ burner tested, 10 activations each valve with each tank  
\_\_\_\_ pilot light/piezo igniter tested, 4 activations

**IX. INSTRUMENTS** .....**(SECTION N/A ☐ )**

- A. BALL 655 & M55** .....**(SECTION N/A ☐ )**  
\_\_\_\_ temperature readout checked @ boiling and ambient temp. (+/- 5°)  
\_\_\_\_ variometer zeroing correct  
\_\_\_\_ altimeter reads correct altitude  
\_\_\_\_ new batteries installed
- B. THERMISTOR CABLE: ENVELOPE** .....**(SECTION N/A ☐ )**  
\_\_\_\_ cable has positive continuity  
\_\_\_\_ cable undamaged  
\_\_\_\_ cable connectors undamaged
- C. THERMISTOR CABLE: BASKET** .....**(SECTION N/A ☐ )**  
\_\_\_\_ cable has positive continuity  
\_\_\_\_ cable undamaged  
\_\_\_\_ cable connectors undamaged
- D. BALL M59 - M53 & M57** .....**(SECTION N/A ☐ )**  
\_\_\_\_ temperature readout checked @ boiling and ambient temp. (+/- 5°)  
\_\_\_\_ variometer zeroing correct  
\_\_\_\_ altimeter reads correct altitude  
\_\_\_\_ new batteries installed in transmitter & receiver



- E. FLYTEC 3040, 6040 & TT34** ..... (SECTION N/A ☐ )
- \_\_\_\_\_ Liquid Crystal Display (LCD) undamaged (ONLY singles display column may be damaged)  
**Contact the Cameron Balloons Factory for Guidance**  
\_\_\_\_\_ temperature readout checked @ boiling and ambient temp. (+/- 5°)  
\_\_\_\_\_ variometer zeroing correct  
\_\_\_\_\_ altimeter reads correct altitude  
\_\_\_\_\_ new batteries installed in transmitter & receiver
- F. OTHER THAN ABOVE** ..... (SECTION N/A ☐ )
- \_\_\_\_\_ temperature readout checked @ boiling and ambient temp. (+/- 5°)  
\_\_\_\_\_ variometer zero's  
\_\_\_\_\_ altimeter reads correct altitude  
\_\_\_\_\_ altimeter arm movement free  
\_\_\_\_\_ new thermistor battery(s) installed  
\_\_\_\_\_ new variometer battery(s) installed

**X. BASKET** ..... (SECTION N/A ☐ )

- A. IDENTIFICATION PLATE**
- \_\_\_\_\_ present  
\_\_\_\_\_ in good condition  
\_\_\_\_\_ mounting secure
- B. OUTSIDE SKIDS & BOLTS – WOVEN & SOLID FLOOR**
- \_\_\_\_\_ in good condition  
\_\_\_\_\_ bolts tight
- C. SAFARI SKIDS & BOLTS** ..... (SECTION N/A ☐ )
- \_\_\_\_\_ in good condition  
\_\_\_\_\_ bolts tight  
\_\_\_\_\_ lacing in good condition
- D. INSIDE SKIDS & NUTS - WOVEN FLOOR**
- \_\_\_\_\_ in good condition  
\_\_\_\_\_ bolts not protruding above top surface – (Basket serial numbers 7000 & up ONLY)  
\_\_\_\_\_ bolts not conflicting with tank bottoms
- E. CABLES**
- \_\_\_\_\_ cables undamaged  
\_\_\_\_\_ thimbles in good condition  
\_\_\_\_\_ compression sleeves in good condition  
\_\_\_\_\_ heat shrink tubing in good condition  
\_\_\_\_\_ vinyl covering I in good condition



- F. CABLE EXTENSIONS.....(SECTION N/A ☐ )**  
\_\_\_\_ cables undamaged  
\_\_\_\_ thimbles in good condition  
\_\_\_\_ compression sleeves in good condition  
\_\_\_\_ heat shrink tubing in good condition  
\_\_\_\_ vinyl covering in good condition  
\_\_\_\_ snap link in good condition & functioning properly
- G. CARABINERS - Quantity\_\_\_\_ .....(SECTION N/A ☐ )**  
\_\_\_\_ minimal corrosion or rust  
\_\_\_\_ locking gates and collars functional
- H. ALUMINUM "U" TUBES-WOVEN FLOOR ONLY .....(SECTION N/A ☐ )**  
\_\_\_\_ shape correct - not severely bent (**see Section 7.8**)  
\_\_\_\_ no breaks (Section 7.8)
- I. BASKET FRAMES (Stainless Steel).....(SECTION N/A ☐ )**  
**WOVEN FLOOR BASKET: FLAT TOP OPEN – T-PARTITION – TT-PARTITION**  
**UPPER FRAME:**  
\_\_\_\_ shape correct - not severely bent  
\_\_\_\_ no breaks  
\_\_\_\_ upper frame securely attached to walls  
**SOLID FLOOR BASKET: FLAT TOP OPEN – T-PARTITION – TT-PARTITION**  
**UPPER& LOWER FRAME .....(SECTION N/A ☐ )**  
\_\_\_\_ shape correct - not severely bent  
\_\_\_\_ no breaks  
\_\_\_\_ upper & lower frames securely attached to walls
- J. SOLID FLOOR BASKET - FLOOR .....(SECTION N/A ☐ )**  
\_\_\_\_ no un-repaired cracks (**see Appendix J for Allowable Damage**)  
\_\_\_\_ anti-slip strips in good condition  
\_\_\_\_ lacing in good condition
- K. CROSS BRACING .....(SECTION N/A ☐ )**  
\_\_\_\_ straps in good condition  
\_\_\_\_ turnbuckles not damaged & functional  
\_\_\_\_ snap links not damaged & functional
- L. BALL INSTRUMENT MOUNTING BRACKET .....(SECTION N/A ☐ )**  
\_\_\_\_ in good condition  
\_\_\_\_ securely mounted  
\_\_\_\_ mounting screws present and tight
- M. FIRE EXTINGUISHER**  
\_\_\_\_ gauge reads in fully charged zone  
\_\_\_\_ no evidence of powder in outlet tube  
\_\_\_\_ bracket or pouch secure and functional



- N. FLEXI POLES & COVERS**..... (SECTION N/A ☐ )  
\_\_\_\_ flexi poles intact  
\_\_\_\_ zippers or velcro functioning on covers (Non-Airworthiness Item)
- O. RATTAN**  
\_\_\_\_ no broken "broomsticks" in floor  
\_\_\_\_ floor weave not worn away under "U" tubes or lower frame  
\_\_\_\_ floor weave in good condition  
\_\_\_\_ number of broken uprights acceptable  
\_\_\_\_ horizontal weave in good condition  
\_\_\_\_ horizontal weave at belt holes intact and secure  
\_\_\_\_ belt hole reinforcements intact (SN 8800 & above)
- P. TANK BELTS** \_\_\_\_\_PRESENT: QUANTITY \_\_\_\_\_  
**MINIMUM REQUIRED**  
Q = 4 FOR SINGLE & DOUBLE BURNER  
Q = 6 FOR TRIPLE  
Q = 8 FOR QUAD  
\_\_\_\_ IN GOOD CONDITION  
\_\_\_\_ BUCKLES FULLY FUNCTIONAL  
\_\_\_\_ BELTS INSTALLED PER APPENDIX Q OF INSTRUCTIONS FOR CONTINUED AIRWORTHINESS  
\_\_\_\_ VELCRO PRESENT (NEW STYLE BELTS ONLY)
- Q. DOCUMENT DISPLAY CASE**  
\_\_\_\_ in good condition & attachment secure
- R. DROP LINE (OPTIONAL) (NON-Airworthiness Item)**..... (SECTION N/A ☐ )  
\_\_\_\_ line & shackles (if present) in good condition
- S. CUSHION FLOOR (OPTIONAL) (NON-Airworthiness Item)** ..... (SECTION N/A ☐ )  
\_\_\_\_ in good condition
- T. WALL CUSHIONS (OPTIONAL) (NON-Airworthiness Item)** ..... (SECTION N/A ☐ )  
\_\_\_\_ in good condition
- U. MANIFOLD(S) (OPTIONAL)** ..... (SECTION N/A ☐ )  
\_\_\_\_ correctly installed in the basket  
**(REPLACE HOSES AFTER 10 YEARS IN SERVICE)**  
\_\_\_\_ hoses in good condition, cracking & cuts within tolerances  
\_\_\_\_ record the date etched on the end of the hose or date on the rubber section:  
**Open Basket:**  
Double Hose: Left \_\_\_\_\_ Right \_\_\_\_\_ ( N/A ☐ )  
Triple Hose: Top \_\_\_\_\_ Center \_\_\_\_\_ Bottom \_\_\_\_\_ (N/A ☐ )  
**Single T & Double T:**  
Double Hose: Top \_\_\_\_\_ Bottom \_\_\_\_\_ ( N/A ☐ )  
Triple Hose: Top \_\_\_\_\_ Center \_\_\_\_\_ Bottom \_\_\_\_\_ (N/A ☐ )



**REGO STYLE FITTINGS** .....(SECTION N/A ☐ )

- \_\_\_\_\_ Male & Female fittings undamaged
- \_\_\_\_\_ Male & Female fittings self seals functioning & NO LEAKS
- \_\_\_\_\_ Male fitting O-ring & washer undamaged
- \_\_\_\_\_ All fuel fittings lubricated with silicone spray

**TEMA FITTINGS** .....(SECTION N/A ☐ )

- \_\_\_\_\_ Male nipple & Female couplers undamaged
- \_\_\_\_\_ Male nipple & Female couplers self seals functioning & NO LEAKS
- \_\_\_\_\_ female coupler O-rings undamaged
- \_\_\_\_\_ All fuel fittings lubricated with silicone spray

**V. EASY ACCESS DOOR** .....(SECTION N/A ☐ )

- \_\_\_\_\_ shape correct - not severely bent
- \_\_\_\_\_ no breaks in door frame
- \_\_\_\_\_ door hinges securely attached to door frame
- \_\_\_\_\_ frame hinges securely attached to upper & lower frames
- \_\_\_\_\_ number of broken uprights acceptable
- \_\_\_\_\_ horizontal weave in good condition
- \_\_\_\_\_ basket frame end-stops in good condition
- \_\_\_\_\_ door frame end-stops in good condition
- \_\_\_\_\_ door latch in good condition
- \_\_\_\_\_ door frame end-stops in good condition
- \_\_\_\_\_ bolster padding present & in good condition
- \_\_\_\_\_ lower frame location holes in good condition
- \_\_\_\_\_ warning label present

**W. PILOT RESTRAINT HARNESS (OPTIONAL) (NON-Airworthiness Item) (SECTION N/A ☐ )**

- \_\_\_\_\_ Pilot Waist Belt Present
- \_\_\_\_\_ Pilot Waist Belt Buckle & Hardware Undamaged & Fully Operational
- \_\_\_\_\_ Pilot to Basket Restraining Strap Present
- \_\_\_\_\_ Pilot to Basket Restraining Strap & Hardware Undamaged
- \_\_\_\_\_ Basket Anchor Strap & Hardware Present & Undamaged
- \_\_\_\_\_ Stowage Bag Present & (Optionally Attached to Basket)





**XI. FUEL TANKS..... (SECTION N/A ☐)**

#1 S/N \_\_\_\_\_ #2 S/N \_\_\_\_\_ #3 S/N \_\_\_\_\_

#4 S/N \_\_\_\_\_ #5 S/N \_\_\_\_\_ #6 S/N \_\_\_\_\_

**A. MASTER & STANDARD FUEL TANKS**

#1	#2	#3	#4	#5	#6	
_____	_____	_____	_____	_____	_____	A. liquid fuel flow checked with tank upright
_____	_____	_____	_____	_____	_____	B. liquid fuel flow checked with tank inverted
_____	_____	_____	_____	_____	_____	C. liquid valve handle tight
_____	_____	_____	_____	_____	_____	D. Rego style liquid valve outlet O-ring & rubber washer not damaged (N/A Tema)
_____	_____	_____	_____	_____	_____	E. liquid valve outlet self-seal not leaking
_____	_____	_____	_____	_____	_____	F. liquid valve bonnet stem or Worcester handle stem not leaking
_____	_____	_____	_____	_____	_____	G. QSO housing bolts (4 off) tight
_____	_____	_____	_____	_____	_____	H. liquid valve protective cap in good condition
_____	_____	_____	_____	_____	_____	I. pressure relief valve # F320 clean, not corroded & covered <b>(replace Part # F320_ PRV every 10 yrs. in service. Not Applicable to Part # F614 UNLESS plastic dust cap is dislodged or missing)</b>
_____	_____	_____	_____	_____	_____	J. fixed liquid level (10%) gauge operation checked
_____	_____	_____	_____	_____	_____	K. fuel quantity gauge function checked
_____	_____	_____	_____	_____	_____	L. fuel quantity gauge screws tight
_____	_____	_____	_____	_____	_____	M. all valves & gauges checked for leaks
_____	_____	_____	_____	_____	_____	N. tank body free of dents
_____	_____	_____	_____	_____	_____	O. tank welds in good condition
_____	_____	_____	_____	_____	_____	P. tank covers (optional) in good condition
_____	_____	_____	_____	_____	_____	Q. heat tapes installed correctly & in good condition
_____	_____	_____	_____	_____	_____	R. vinyl collar edge protectors present (CBUS1050 & CBUS1060 only)
_____	_____	_____	_____	_____	_____	S. Re-certification status checked (12 yr. from original test and every 5 yr. thereafter for visual inspections)

**B. MASTER FUEL TANKS ONLY..... (SECTION N/A ☐)**

#1	#2	#3	#4	#5	#6	
_____	_____	_____	_____	_____	_____	A. vapor valve handle tight
_____	_____	_____	_____	_____	_____	B. vapor valve, regulator & quick release checked for leaks
_____	_____	_____	_____	_____	_____	C. vapor quick release function checked
_____	_____	_____	_____	_____	_____	D. vapor regulator function checked at extremes



## XII. MISCELLANEOUS

- A. **STRIKERS OR OTHER FLAME SOURCES** (Required Equipment)  
\_\_\_\_\_ present (2 minimum) & functional \_\_\_\_\_ not present
- B. **HELMETS** (Required Equipment for Most Models-See Flight Manual pg. 6-2))  
\_\_\_\_\_ present \_\_\_\_\_ not present
- C. **LEATHER GLOVES FOR PILOT** (Required Equipment)  
\_\_\_\_\_ present \_\_\_\_\_ not present
- D. **INFLATION HARNESS (OPTIONAL)**.....(SECTION N/A ☐ )  
\_\_\_\_\_ burner frame strap undamaged  
\_\_\_\_\_ shackle undamaged, unworn, and fully functional  
\_\_\_\_\_ tie-down rope undamaged and unworn  
\_\_\_\_\_ Stainless Steel Ring undamaged ('Y' & 'W' Configurations Only)  
\_\_\_\_\_ carabiner(s) in good condition, gate and locking collar fully functional

## XIII. DOCUMENTS

- A. **LOG BOOK**  
\_\_\_\_\_ component part numbers & serial numbers match aircraft flight manual  
\_\_\_\_\_ temperature labels readings (LT 3 and crown patch) entered  
\_\_\_\_\_ this inspection with all repairs/alterations correctly entered
- B. \_\_\_\_\_ **FLIGHT MANUAL:** present and correct for this model
- C. \_\_\_\_\_ **AIRWORTHINESS CERTIFICATE:** present, prominently displayed
- D. \_\_\_\_\_ **REGISTRATION CERTIFICATE:** present, valid & not expired
- E. **Airworthiness Directive** complied with:  
\_\_\_\_\_ **AD 2013-03-10** n/a \_\_\_\_.
- F. **Service Bulletins** complied with (See Appendix C)  
1\_\_\_\_ n/a\_\_\_\_, Blistering of Fuel Manifold Hose Outer Cover, Delivered Between 03-26-86 to 05-13-86.  
2\_\_\_\_ n/a\_\_\_\_, Incorrect Positioning of Mouth Tapes, Envelopes Built Between 03-31-86 & 06-10-86  
3\_\_\_\_ n/a\_\_\_\_, Incorrectly Assembled Hose End Connectors, Delivered Between 10-86 to 02-87  
4\_\_\_\_ n/a\_\_\_\_, Incorrectly Spliced Inflation Harness Ropes, Delivered Between 01-87 to 03-88  
5\_\_\_\_ n/a\_\_\_\_, Cracking of Weld on Gimbal Block Frame Triple Burner Mount Bracket, Issued 2005  
6\_\_\_\_ n/a\_\_\_\_, Muller Liquid Valve, Dated 12/05 to 08/06, Self Seal Replacement, Issued 2008  
7\_\_\_\_ n/a\_\_\_\_, Reinforcing Horizontal Free Tapes in Turning Vents, Models O, A, V & Z, Issued 2008  
8\_\_\_\_ n/a\_\_\_\_, Triple & Quad Gimbal Block Burner Frame, Weld Inspection, Issued 01-01-09  
9\_\_\_\_ n/a\_\_\_\_, Inspect the Vapor Pilot Light Hose Male Quick Connect Fitting for cracking, Issued 05-12-09  
10\_\_\_\_ n/a\_\_\_\_, **(Pending, Not Released)** Ultra Burner Pressure Gauge Elbow  
11\_\_\_\_ n/a\_\_\_\_, **(Pending, Not Released)** Sirocco Burner Bracket  
**Service Letters** complied with  
1\_\_\_\_ n/a\_\_\_\_, Viva Parachute Rigging, Issued 1990  
2\_\_\_\_ n/a\_\_\_\_, SmartVent Activation Line Modifications (Not EasyVent I or II), Issued 1996  
3\_\_\_\_ n/a\_\_\_\_, Improve Parachute Seal in Concept Models (C-60, C-80 & C-100), Issued 2009
- G. **MAINTENANCE RELEASE TAGS (component(s) only)** .....(SECTION N/A ☐ )  
\_\_\_\_\_ correctly filled out for each component

**NOTES OF DAMAGE:**  
**"O", "A", "M", "V", "Z" & "ZL" SERIES ENVELOPES**

DP  
CP  
BP  
AP  
  
APB  
BPB  
AA  
Z  
Y  
X  
W  
V  
U  
T  
S  
R  
Q  
P  
O  
N  
M  
L  
K  
J  
I  
H  
G  
F  
E  
D  
C  
B  
A  
NX

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24


SCOOP





# NOTES OF DAMAGE: CONCEPT SERIES ENVELOPES

NOMEX	A	B	C	D
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				



C-60 & C-80

→

C-100