**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 June 01, 2026 will be incorporated into the next Revision of this manual. It should be used immediately in lieu of any previously released versions.**

**NOTE: This checklist does NOT contain full details of every inspection process. Consult the manual for complete descriptions and inspection criteria**

# APPENDIX B

## CHECK LIST: ☐ ANNUAL, ☐100 HOUR, ☐ CONDITION INSPECTION

**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 ☐

TT _____ 2) PART # _____ SERIAL # _____ N/A ☐

TT _____ 3) PART # _____ SERIAL # _____ N/A ☐

TT _____ 4) PART # _____ SERIAL # _____ N/A ☐

TT _____ 5) PART # _____ SERIAL # _____ N/A ☐

TT _____ 6) PART # _____ SERIAL # _____ N/A ☐

---

**INSPECTION PERFORMED BY:** _____ **DATE:** _____

**INSPECTION CERTIFIED BY:** _____ **CERTIFICATE .#** _____

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

# DAMAGE AND REPAIR LOG

| | DAMAGE | AREA / COMPONENT | REPAIR METHOD | REPAIRED BY |
|---|---|---|---|---|
| 1) | | | | |
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| 9) | | | | |
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| 10) | | | | |
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| | | | | |

# I. FABRIC ..... (SECTION N/A ☐)

*THE FABRIC STRENGTH TESTS IN SECTIONS A, B, C, D & E **ARE REQUIRED AT EACH INSPECTION UNLESS** THE ENVELOPE HAS LESS THAN 100 HOURS TT **AND** IS LESS THAN 2 YEARS FROM THE DATE OF ORIGINAL CERTIFICATION.*

## 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 / SMARTVENT™ / EASYVENT™(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 & 19, 20 & 21
_____ 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)

**L. 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 or ☐ Polyester or ☐ N/A (Direct tie)
_____ 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. EASYVENT™ (I & II) & SMARTVENT™ (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 (Drylube) 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
_____ Side pulley: pulley, line and attachment undamaged, functional and secure (Optional on large envelopes - 180,000 cu ft. and up)
_____ 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™ (DryLube) 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 & NEO ONLY**

_____ Tubes present
_____ Tube upper end centered over jet orifice
_____ Bracket set screw present & tight (thread locker recommended) (Ultra)
_____ Mounting screw present & tight (thread locker recommended) (Stratus & Neo)

**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 - NEO**

_____ 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 & NEO**

_____ 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)

**NEO** .....**(SECTION N/A ☐ )**

_____ disassemble & inspect, Lube O-Ring (Replace O-ring if damaged)

**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)

**NEO** .....**(SECTION N/A ☐ )**

_____ disassemble & inspect

_____ circlip present & in good condition (Toggle Style Handle)

_____ handle tight (Rotary Style Handle)

_____ O-ring Inspect and replace if damaged

**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 & 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 is 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 **(replace Part # F320_ PRV every 10 yrs. in service. Not Applicable to Part # F614 UNLESS plastic dust cap is dislodged or missing)** |
| _____ | ____ | ____ | ____ | ____ | _____ | 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 ___, Quick Shut-off Valve Flange – inspect for identification and tightness. Issued: Sep 22, 2021
**11**___ n/a ___, Pressure Relief Valve Adaptor – inspect for identification and cracking. Issue June, 01, 2025

**G. SERVICE LETTERS COMPLIED WITH**

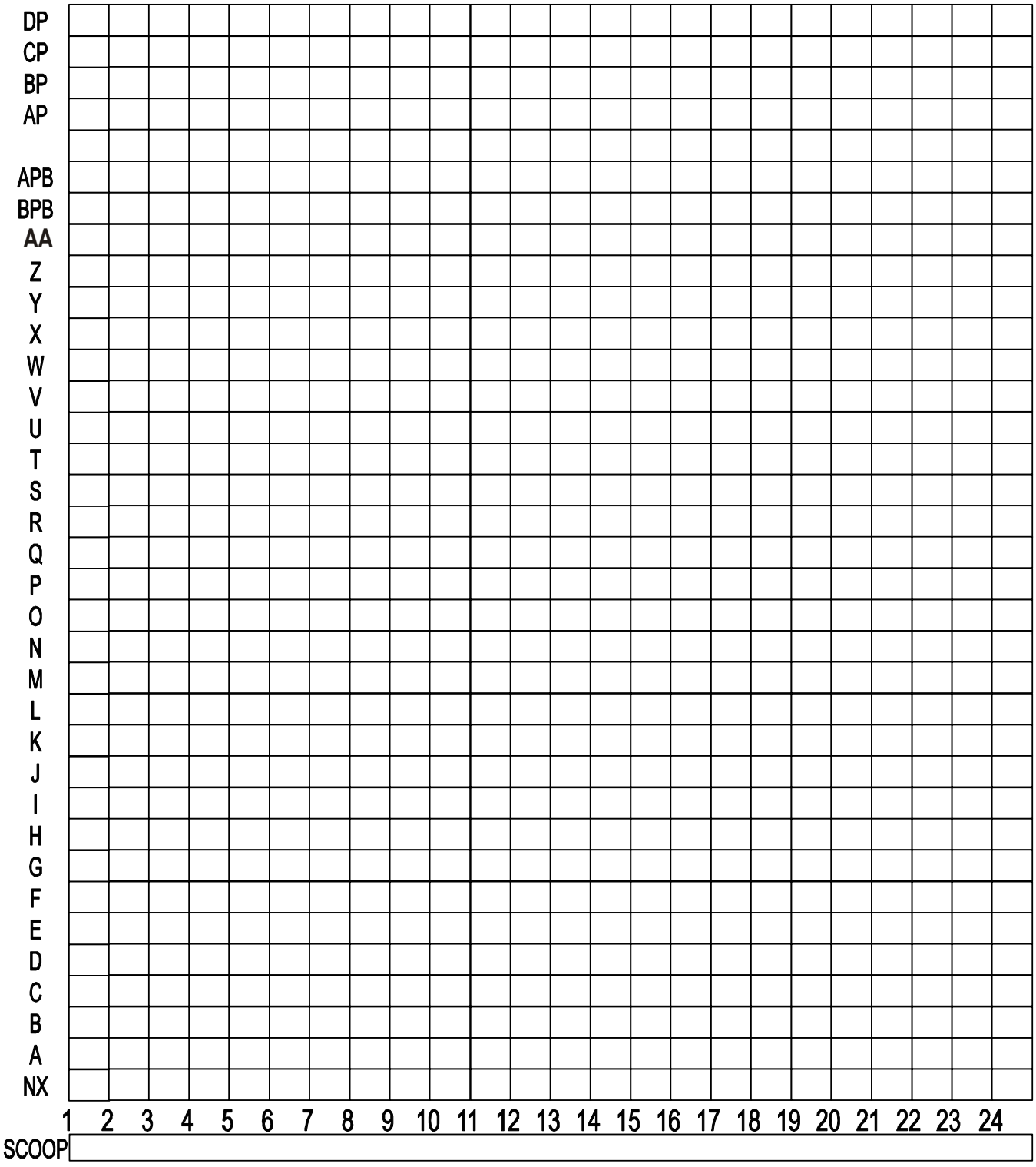
1___ n/a_____ Viva Parachute Rigging, Issued 1990
2___ n/a_____ SmartVent™ Activation Line Modifications *(Not EasyVent I or II),* Issued 1996
3___ n/a_____ Improve Parachute Seal in Concept Models (C-60, C-80 & C-100), Issued 2009

**H. MAINTENANCE RELEASE TAGS (COMPONENT(S) ONLY).....(SECTION N/A ☐ )**

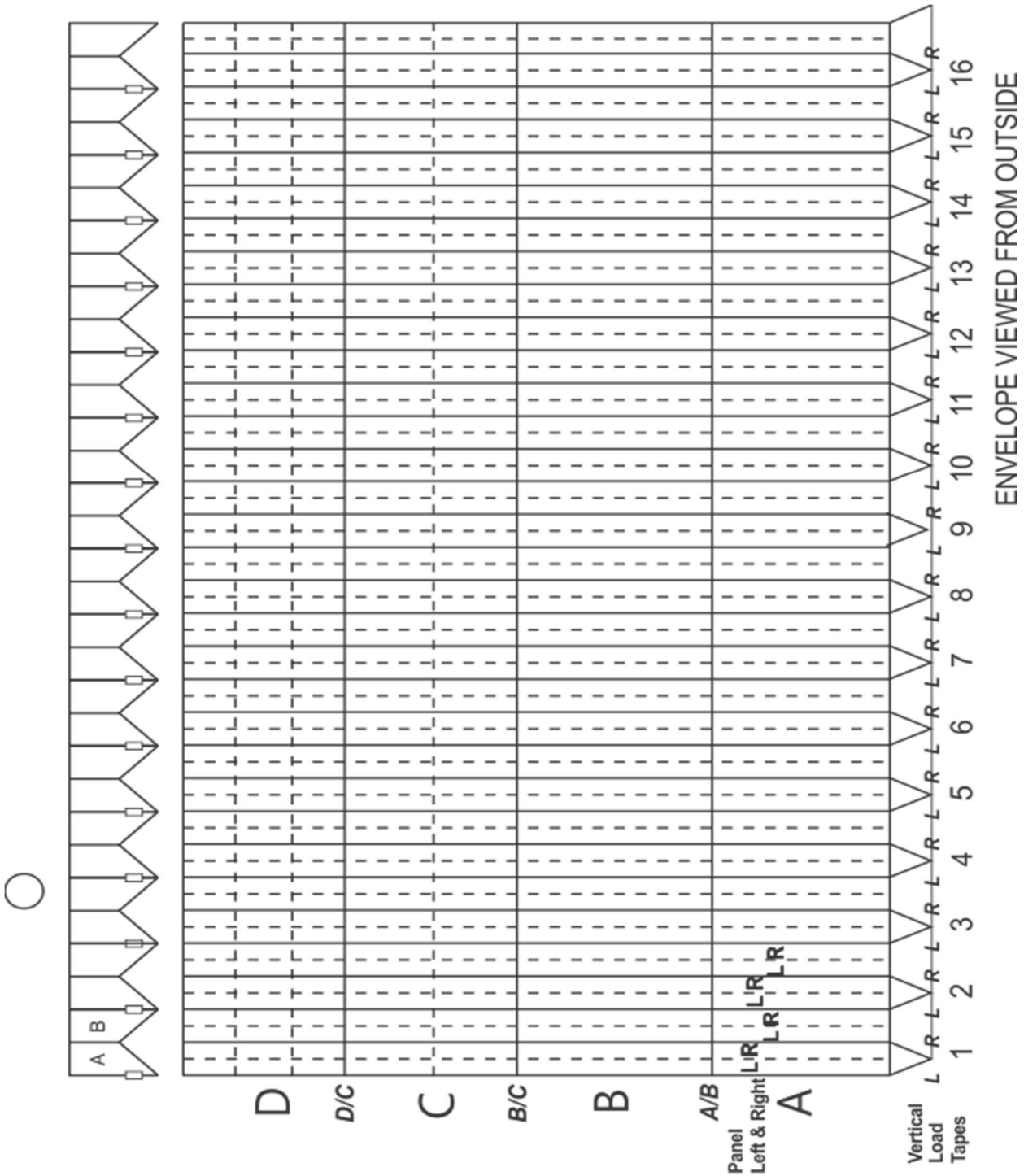
_____ correctly filled out for each component

# NOTES OF DAMAGE:

## "O", "A", “M”, "V", “Z” & “ZL” “XT” SERIES ENVELOPES



## NOTES OF DAMAGE: "N" SERIES ENVELOPES



## NOTES OF DAMAGE: CONCEPT SERIES ENVELOPES