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 ☐

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 / 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 REQUIIRED 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 l 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 & **0**6-10-86
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

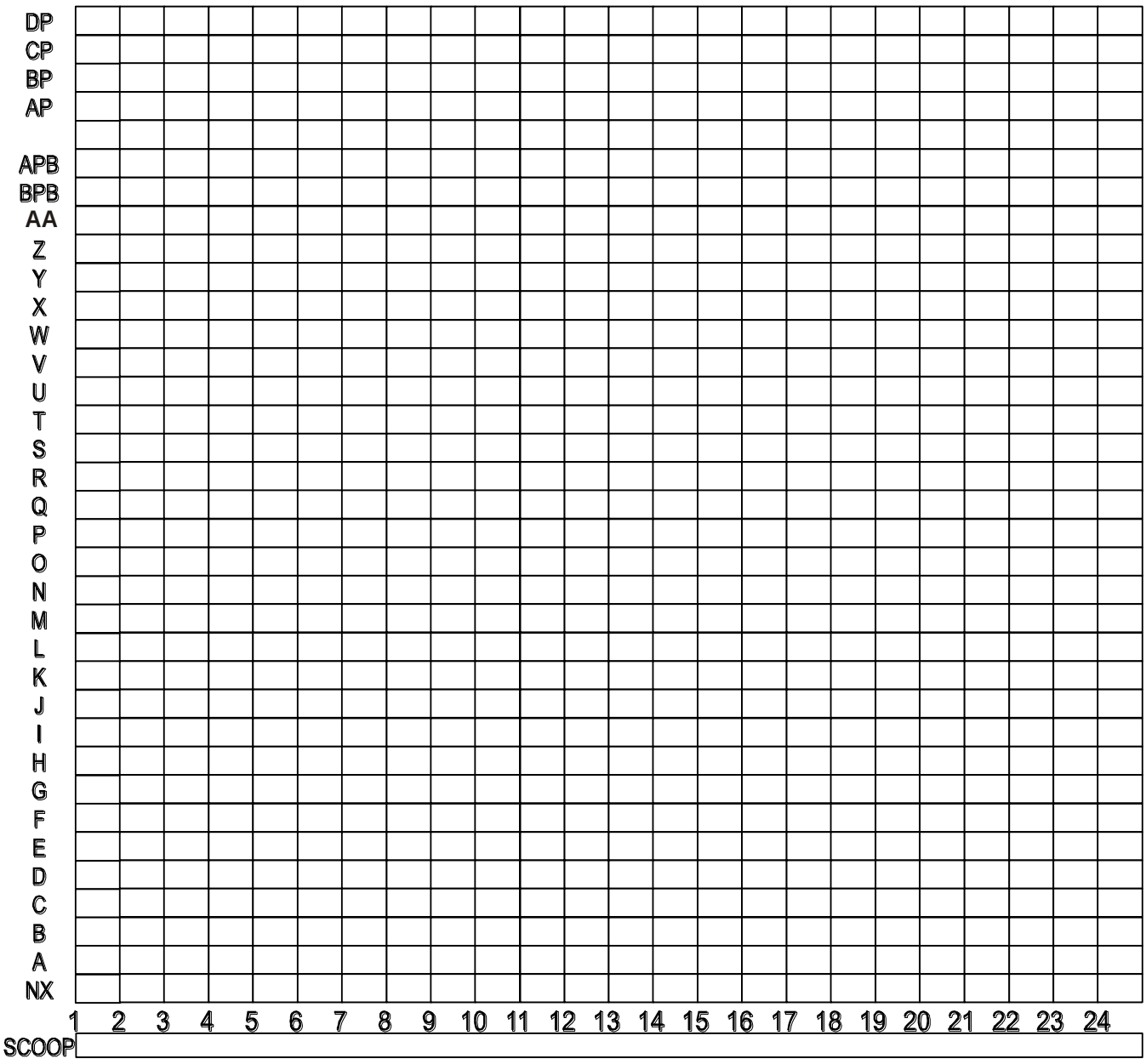
1___ n/a___, Viva Parachute Rigging, Issued 1990
2___ n/a___, SmartVent Activation Line Modifications (Not EasyVent I or II), Issued 1996
3___ n/a___, Improve Parachute Seal in Concept Models (C-60, C-80 & C-100), Issued 2009

G. MAINTENANCE RELEASE TAGS (component(s) only) .....**(SECTION N/A ☐)**

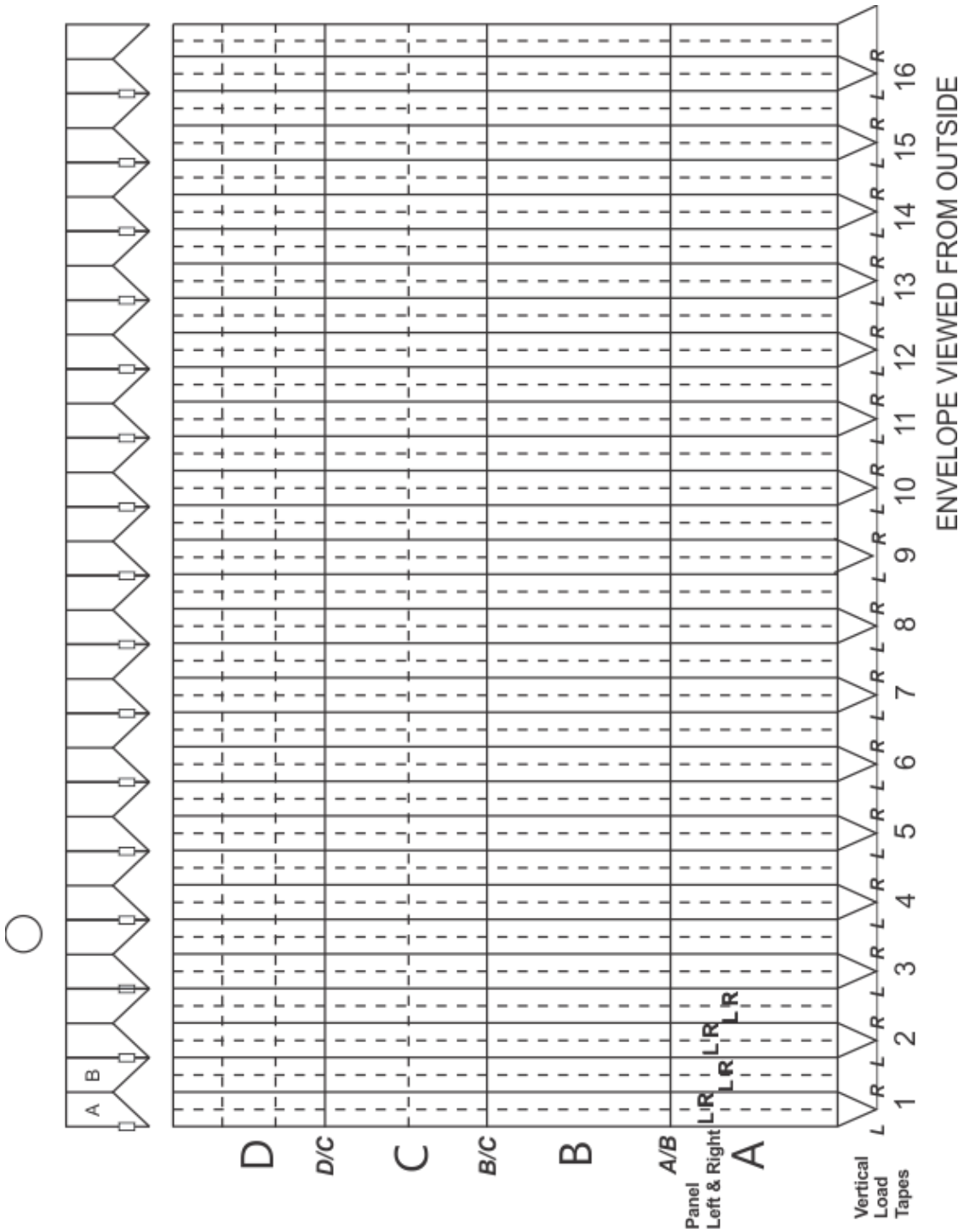
_____ correctly filled out for each component

NOTES OF DAMAGE:

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



NOTES OF DAMAGE: "N" SERIES ENVELOPES



NOTES OF DAMAGE: CONCEPT SERIES ENVELOPES