



**REVOLUTION
ILLUSTRATED PARTS CATALOGUE**

Applicability: Rev 13.5

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Part # 110366

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INTRODUCTION

WARNING

SOME PARTS WHICH ARE LISTED ARE COMPONENTS OF PARTS WHICH ARE NOT USER SERVICABLE. ONLY MAINTENANCE WHICH IS SPECIFIED IN THE MAINTENANCE MANUAL SHOULD BE ATTEMPTED AND ONLY THE EXACT SPARE SHOULD BE USED TO REPLACE PARTS. THE FOLLOWING DRAWINGS ARE PROVIDED AS A CONVENIENCE TO AID IDENTIFICATION OF PARTS WHICH ARE USER MAINTAINABLE.

This manual should be used in conjunction with the Owner's manual, and repairs should only be carried out by competent people. Read the Owner's manual before proceeding.

This parts catalogue has been prepared to aid in the identification of components that may affect the airworthiness of the Airborne Revolution series of wings.

Drawings with various levels of detail are supplied that include all of the spare parts available – specific to the serial number identification of the wing.

Most of the parts listed are available as spare parts. If a component is not listed then it may only be available as a complete assembly. For example spare parts are not available for the base bar, only the entire base bar assembly is supplied as a part to be purchased.

All parts available are named and have part numbers, these details should be used when ordering spares, eg: Shackle RF615 4mm, Part Number 100406, and the quantity required.

NB. Some parts may have been used from other wings, and have other model names in the title, the most important thing in ordering spare parts is the part number.

NOTE

Airborne's data packages will be revised from time to time. Owners registered on Airborne's database will be notified of any changes to data and directed to the Airborne web site (<http://www.airborne.com.au/>) for the applicable pages. The amended pages should be printed and the prior page replaced in the folder as soon as possible. The amendment table should at that time be updated with the appropriate details and date. Revised pages will be sent by mail if requested.

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NOTES ON LOCATING AND ORDERING SPARE PARTS

To provide the cheapest and easiest spare parts service, Airborne Windsports aim to make available simple spare parts and not assemblies where it is efficient to do so. Most often parts are available from within assemblies.

In general the most common mistake in placing an order is orders made for assemblies when the intention is to order a single component from within that assembly.

The IPC finds parts by locating their assemblies first. If you do not want to or cannot order the entire assembly, then identify the next assembly drawing from the item number lists within that drawing. Keep on finding assemblies in drawings until you find the individual part or assembly you require.

The NAVIGATING section of this IPC provides an example of efficiently ordering a part from the set of manufacturing drawings provided in this IPC.

Please note that there is often quite a lot of information on the drawings other than bills of materials (parts lists). That's because this IPC uses the actual drawings that describe the manufacture and assembly of the parts that make up the hang glider.

NAVIGATING - HOW TO USE THIS CATALOGUE

The pieces that make up a wing are called "Parts" or "Assemblies (ASM)". Each drawing in this manual contains a mixture of Parts and ASM's at different levels of manufacture. This manual contains the "Highest Level Drawing" at the front, and divides into "Main Sub Chapters". The Sub Chapter Drawings become simpler and simpler until they show only Parts or simple ASM's. These are the items that are sold.

On each Drawing, items that are SOLD are identified by CIRCLES. Parts identified by BOXES are NOT SOLD and are used for factory purposes only. See Figure 1 for examples of circles and boxes.

Use this manual by identifying the "Highest Level Drawing" that contains the item you're interested in, and then, by using the identifier circles, look at the next level of Drawings listed in the Bill Of Materials box.

Continue until you find your item where it is listed on a Drawing, where it is identified using a Circle. This will be the item to ORDER.

EXAMPLE

For example if you were to require a new endcap for the keel extension.

Step 1. Identify that it is a part of the airframe assembly and note the drawing number.

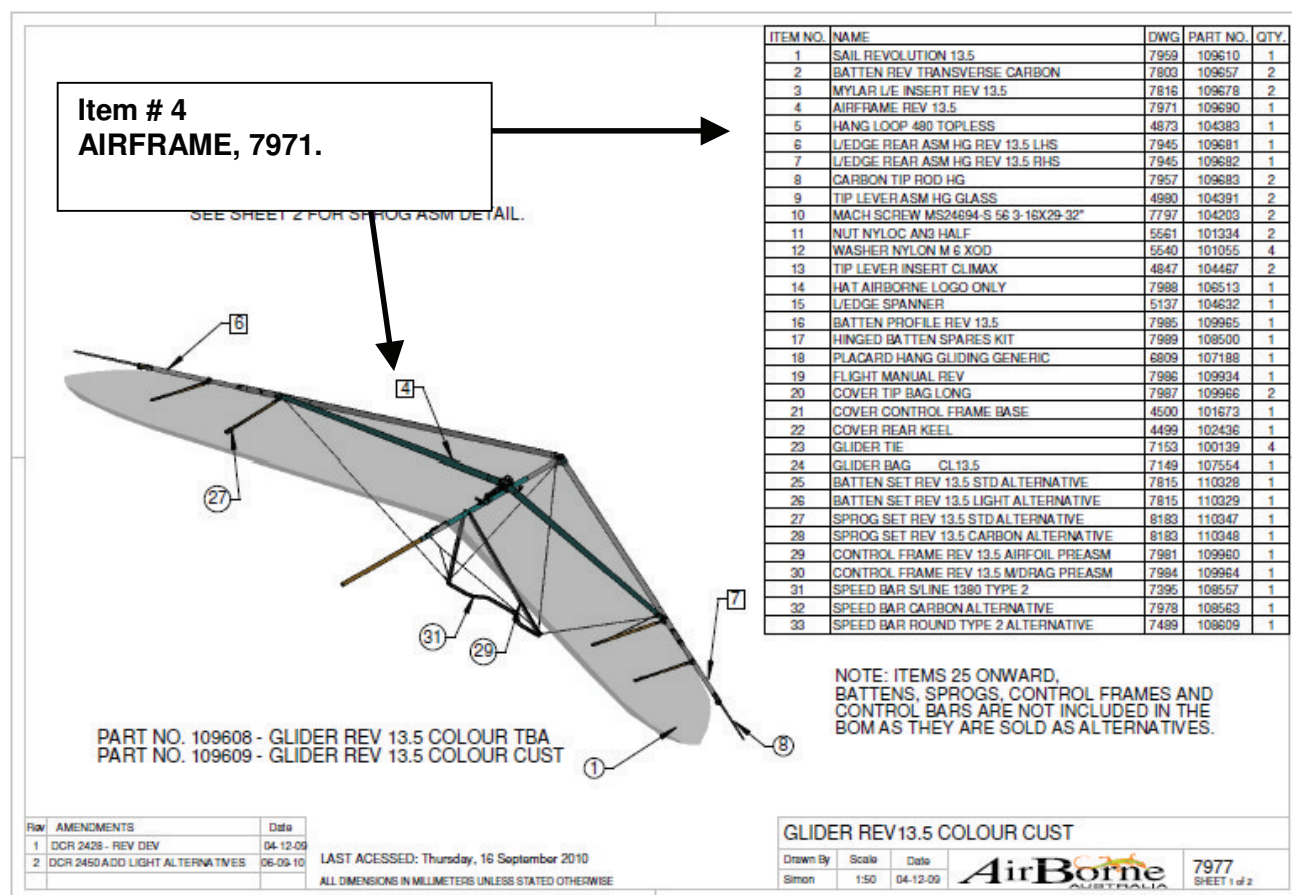


Figure 1 Highest Level Drawing

Step 2. Go to that drawing (7971) then use the balloon identifiers to find the next drawing number required. In this example, it is Item 4 again.

ITEM NO	NAME	DWG	PART NO	QTY
1	KEEL TUBE ASM FRONT REV 13.5	7808	109855	1
2	HEAR KEEL ASM REV	7976	109851	1
3	LEDGE FRONT HG REV	7795	109851	2
4	KEEL EXTENSION ASM REV	7896	109853	1
5	NOSE PLATE HG TYPE 2.4MM BTM	4854	104274	1
6	NOSE PLATE HG TYPE 2.4MM TOP	4854	104273	1
7	NOSE CLIP BLOCK TYPE 3	4905	104520	1
8	SADDLE 60MM TUBE	7165	100080	5
9	BOLT AN4-31	5450	100831	2
10	BOLT AN4-36A	5450	100850	1
11	BOLT AN4-36A MODIFIED C/SUNK HEAD	7948	104481	1
12	WASHER NYLON M 8 XOD	5540	100820	3
13	WASHER AN4	5540	100042	8
14	NUT NYLOC AN4 HALF	5561	100035	8
15	WASHER NYLON M 8 XOD	5540	101055	12
16	SPRING QUICK CLIP GATE	7872	104275	1
17	X/BAH CHANNEL REV	7874	109885	2
18	X/BAH BRACKET REV	7873	109884	2
19	BOLT AN4-36A	5450	100014	2
20	BOLT AN4-26A	5450	100587	2
21	WASHER NYLON 1/4IN OBA THIN	5540	103961	4
22	WASHER SS304 1/4 X 3/4IN	5540	102018	2
23	CLEVIS PIN 3/16 X 29/32IN	5536	104572	2
24	PIVOT SPRING HORIZONTAL 33MM	7727	109514	2
25	PIVOT SPRING VERTICAL	7728	109512	2
26	SPLIT RING 11MM HF-114	5720	100950	2
27	POW HWT 1.35 3/16 IS - 60	5515	102205	12
28	X/BAH WEDGE ASM REV	7827	109878	1
29	PULLEY BLOCK HF-20312 VG 3P	7919	102023	2
30	TANG 1/4IN EYELET HOLE	5673	103290	1
31	PULL BACK WIRE VG 200L REV	7811	109873	1
32	NUT NYLOC AN4 HALF	5561	101334	1
33	KEEL EXTENSION ACETAL BUSH REV	7898	109854	1
34	BOLT AN4-11A	5449	109828	1
35	PULLEY HF-661 PULL BACK	8442	100728	1
36	SHACKLE BODY 1/4IN PULL BACK	5338	102021	1
37	BOLT AN4-11A	5450	100033	1
38	PULLEY BLOCK HF-20212 DOUBLE BECKET	7983	104214	1
39	BUNGEE REV 2:1 1.23M	7979	109953	1
40	VG HOPE 2:1 REV 2.85M	7979	109954	1
41	BUNGEE KEEL EXTENSION REV 1.2M	7979	109955	1
42	BUNGEE VG HANG LOOP PULLEY REV 0.35M	7979	109956	1
43	VG HOPE WEDGE PULLEY REV 4.15M	7979	109957	1
44	CABLE TIE (LONG) 282 X 3.5MM BLACK	5805	101194	1
45	HEATSHRINK CLR 25 X 80	5582	109848	1
46	HEATSHRINK CLR 20MM X 50	5582	106375	1

Rev	AMENDMENTS	Date
1	DCR 2428 - REV DEV	02-12-09
2	DCR 2450 ADD LIGHT ALTERNATIVES	06-09-10

PART NO. 109690

LAST ACCESSED: Thursday, 16 September 2010

ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

SEE SHEET 2,3 AND 4 FOR ASSEMBLY EXPLOSIONS

Drawn By	Scale	Date	AirBorne AUSTRALIA		7971
Simon	1:25	02-12-09			SHEET 1 of 4

Figure 2 Locating the part on the Airframe, Drawing # 7971

Step 3. Order!

In this drawing we identify the part required. Record the **PART NUMBER AND THE DESCRIPTION** in order to make the spare part order.

E.g. ENDCAP FOR 42MM TUBE LUG NO HOLE, Part # 101728.

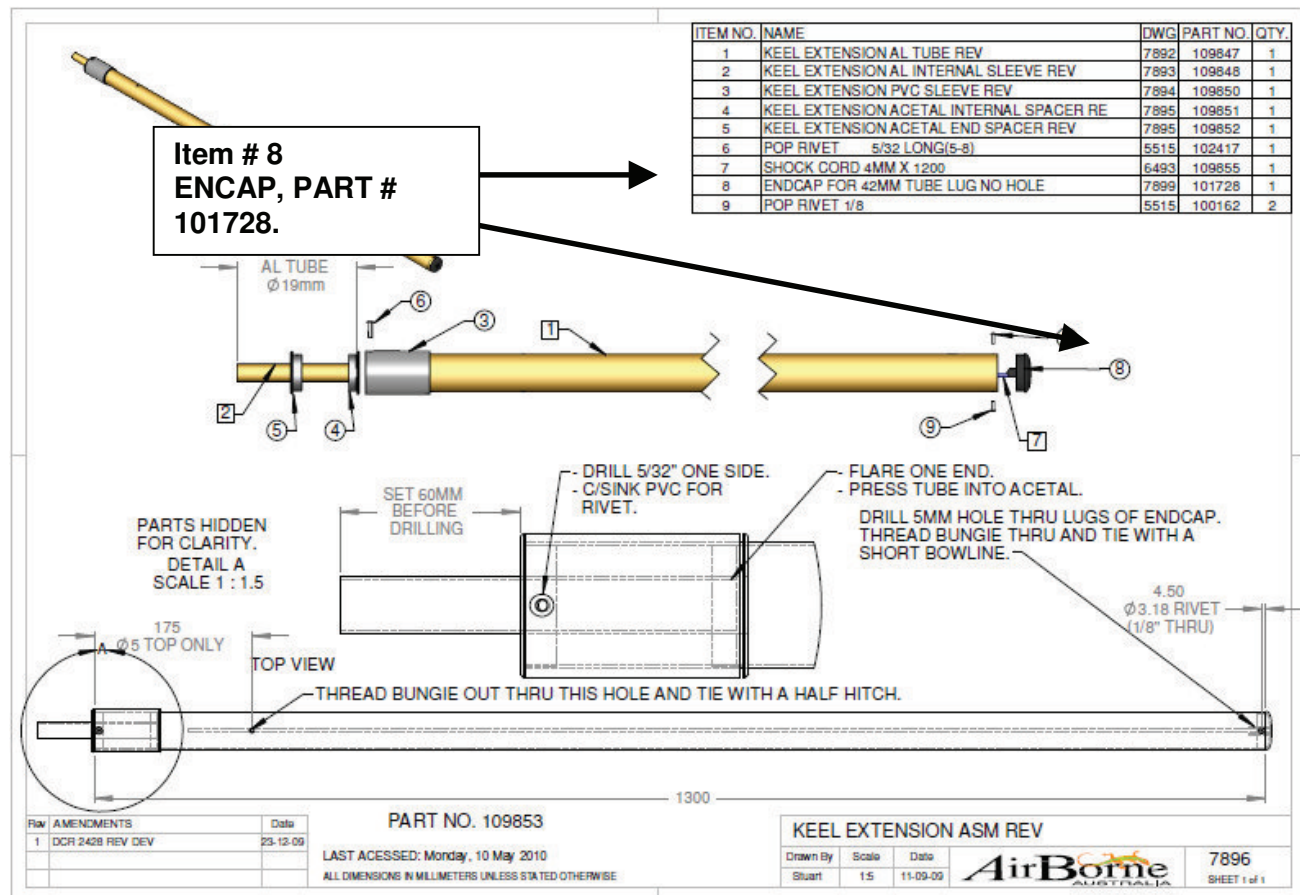
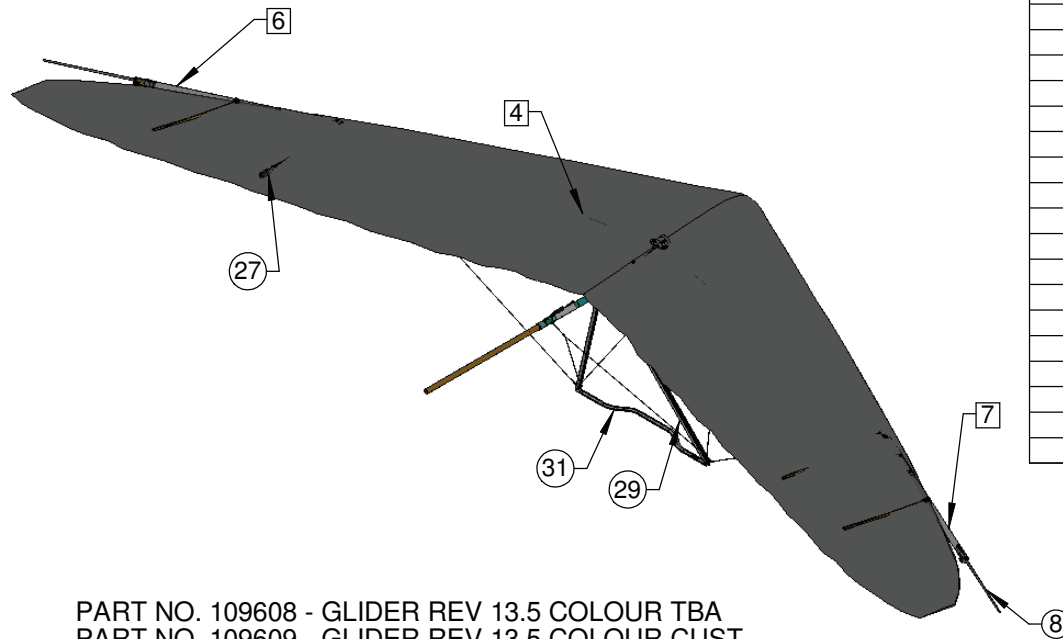


Figure 3 Component required identified.

1 GLIDER REV

- **DRAWING # 7977**

NOTE:
SEE SHEET 2 FOR SPROG ASM DETAIL.



PART NO. 109608 - GLIDER REV 13.5 COLOUR TBA
PART NO. 109609 - GLIDER REV 13.5 COLOUR CUST

ITEM NO.	NAME	DWG	PART NO.	QTY.
1	SAIL REVOLUTION 13.5	7959	109610	1
2	BATTEN REV TRANSVERSE CARBON	7803	109657	2
3	MYLAR L/E INSERT REV 13.5	7816	109678	2
4	AIRFRAME REV 13.5	7971	109690	1
5	HANG LOOP 480 TOPLESS	4873	104383	1
6	L/EDGE REAR ASM HG REV 13.5 LHS	7945	109681	1
7	L/EDGE REAR ASM HG REV 13.5 RHS	7945	109682	1
8	CARBON TIP ROD HG	7957	109683	2
9	TIP LEVER ASM HG GLASS	4980	104391	2
10	MACH SCREW MS24694-S 56 3-16X29-32"	7797	104203	2
11	NUT NYLOC AN3 HALF	5561	101334	2
12	WASHER NYLON M 6 XOD	5540	101055	4
13	TIP LEVER INSERT CLIMAX	4847	104467	2
14	HAT AIRBORNE LOGO ONLY	7988	106513	1
15	L/EDGE SPANNER	5137	104632	1
16	BATTEN PROFILE REV 13.5	7985	109965	1
17	HINGED BATTEN SPARES KIT	7989	108500	1
18	PLACARD HANG GLIDING GENERIC	6809	107188	1
19	FLIGHT MANUAL REV	7986	109934	1
20	COVER TIP BAG LONG	7987	109966	2
21	COVER CONTROL FRAME BASE	4500	101673	1
22	COVER REAR KEEL	4499	102436	1
23	GLIDER TIE	7153	100139	4
24	GLIDER BAG CL13.5	7149	107554	1
25	BATTEN SET REV 13.5 STD ALTERNATIVE	7815	110328	1
26	BATTEN SET REV 13.5 LIGHT ALTERNATIVE	7815	110329	1
27	SPROG SET REV 13.5 STD ALTERNATIVE	8183	110347	1
28	SPROG SET REV 13.5 CARBON ALTERNATIVE	8183	110348	1
29	CONTROL FRAME REV 13.5 AIRFOIL PREASM	7981	109960	1
30	CONTROL FRAME REV 13.5 M/DRAW PREASM	7984	109964	1
31	SPEED BAR S/LINE 1380 TYPE 2	7395	108557	1
32	SPEED BAR CARBON ALTERNATIVE	7978	108563	1
33	SPEED BAR ROUND TYPE 2 ALTERNATIVE	7489	108609	1

NOTE: ITEMS 25 ONWARD,
BATTENS, SPROGS, CONTROL FRAMES AND
CONTROL BARS ARE NOT INCLUDED IN THE
BOM AS THEY ARE SOLD AS ALTERNATIVES.

Rev	AMENDMENTS	Date
1	DCR 2428 - REV DEV	04-12-09
2	DCR 2450 ADD LIGHT ALTERNATIVES	06-09-10

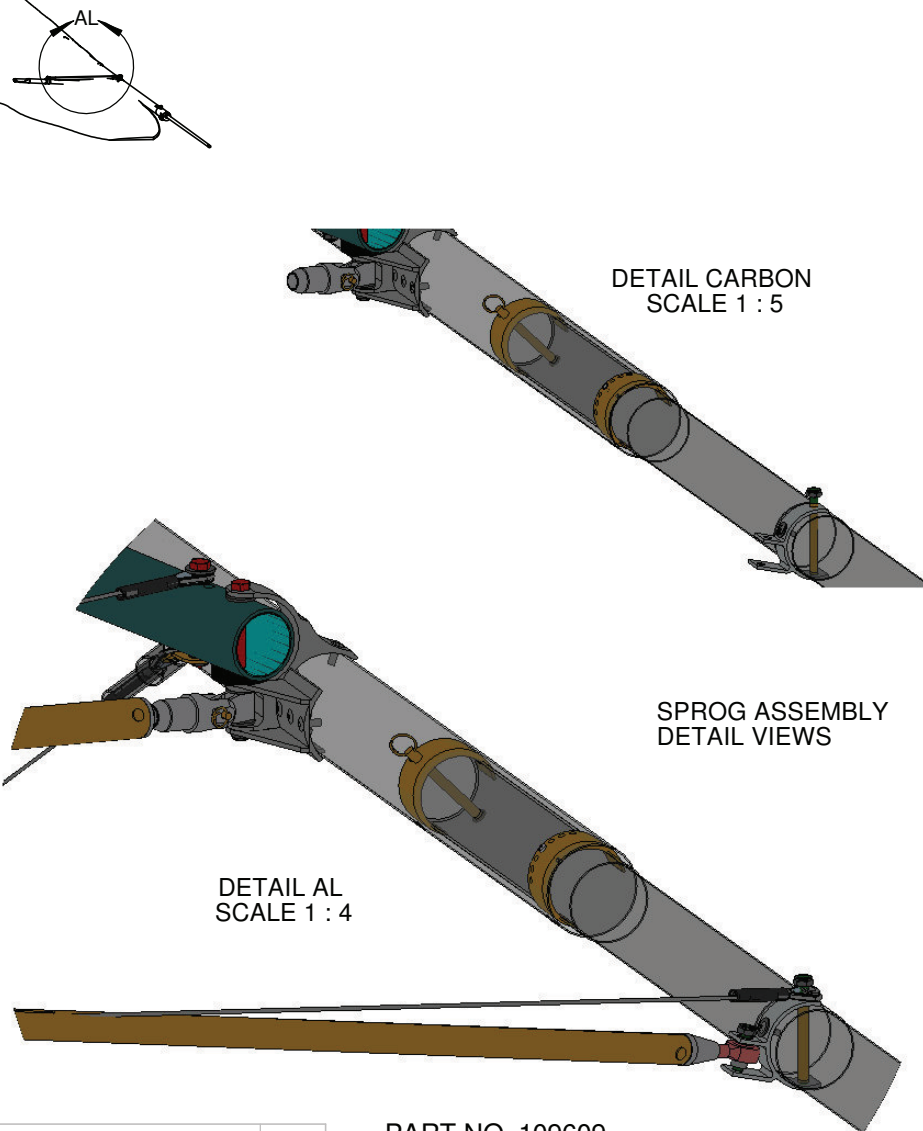
LAST ACESSED: Monday, 20 September 2010
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GLIDER REV13.5 COLOUR CUST

Drawn By	Scale	Date
Simon	1:50	04-12-09



7977
SHEET 1 of 2



Rev	AMENDMENTS	Date

PART NO. 109609

LAST ACESSED: Monday, 20 September 2010
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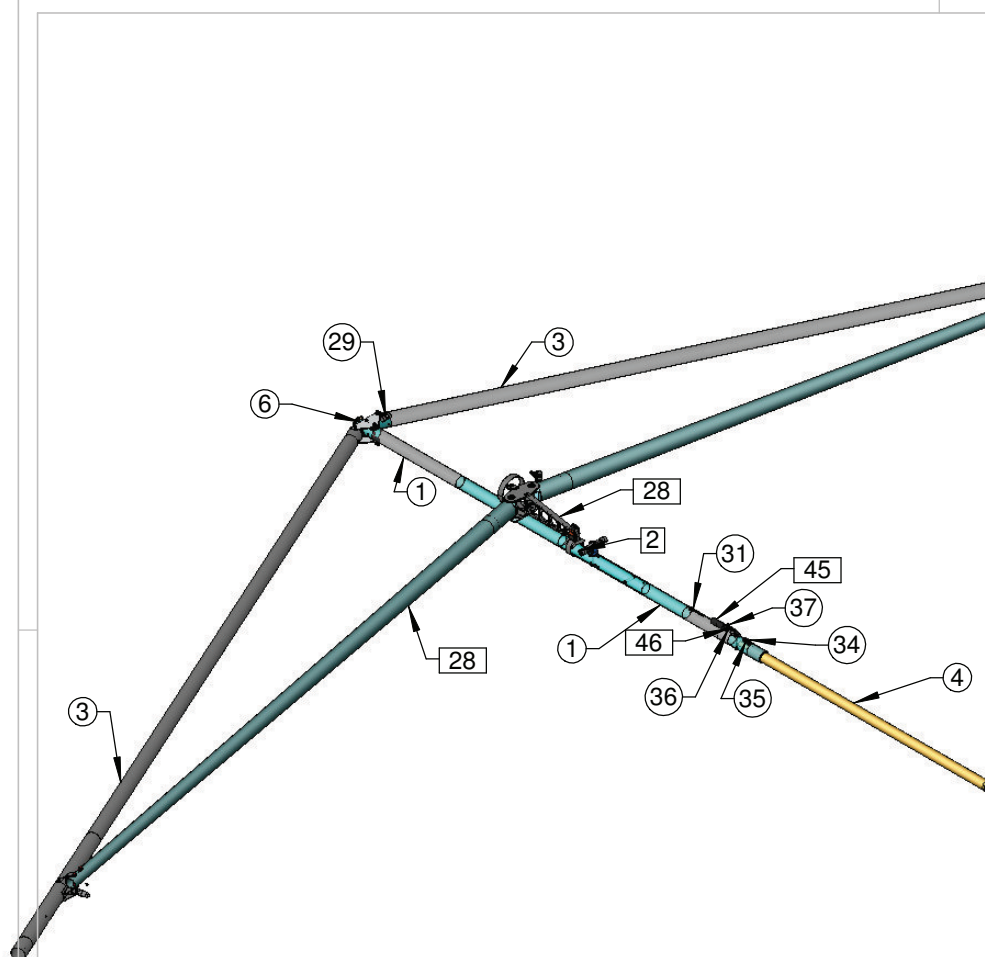
ITEM NO.	NAME	DWG	PART NO.	QTY.
1	SAIL REVOLUTION 13.5	7959	109610	1
2	BATTEN REV TRANSVERSE CARBON	7803	109657	2
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4	AIRFRAME REV 13.5	7971	109690	1
5	HANG LOOP 480 TOPLESS	4873	104383	1
6	L/EDGE REAR ASM HG REV 13.5 LHS	7945	109681	1
7	L/EDGE REAR ASM HG REV 13.5 RHS	7945	109682	1
8	CARBON TIP ROD HG	7957	109683	2
9	TIP LEVER ASM HG GLASS	4980	104391	2
10	MACH SCREW MS24694-S 56 3-16X29-32"	7797	104203	2
11	NUT NYLOC AN3 HALF	5561	101334	2
12	WASHER NYLON M 6 XOD	5540	101055	4
13	TIP LEVER INSERT CLIMAX	4847	104467	2
14	HAT AIRBORNE LOGO ONLY	7988	106513	1
15	L/EDGE SPANNER	5137	104632	1
16	BATTEN PROFILE REV 13.5	7985	109965	1
17	HINGED BATTEN SPARES KIT	7989	108500	1
18	PLACARD HANG GLIDING GENERIC	6809	107188	1
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21	COVER CONTROL FRAME BASE	4500	101673	1
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32	SPEED BAR CARBON ALTERNATIVE	7978	108563	1
33	SPEED BAR ROUND TYPE 2 ALTERNATIVE	7489	108609	1

GLIDER REV13.5 COLOUR CUST

Drawn By	Scale	Date		7977 SHEET 2 of 2
Stuie	1:50	03-09-10		

1.1 *Airframe*

- *Drawing # 7971*



ITEM NO	NAME	DWG	PART NO.	QTY
1	KEEL TUBE ASM FRONT REV 13.5	7808	109665	1
2	REAR KEEL ASM REV	7976	109951	1
3	L/EDGE FRONT HG REV	7796	109651	2
4	KEEL EXTENSION ASM REV	7896	109853	1
5	NOSE PLATE HG TYPE 2 4MM BTM	4864	104274	1
6	NOSE PLATE HG TYPE 2 4MM TOP	4864	104273	1
7	NOSE CLIP BLOCK TYPE 3	4905	104520	1
8	SADDLE 60MM TUBE	7166	100080	5
9	BOLT AN4-31	5450	100631	2
10	BOLT AN4-34A	5450	100850	1
11	BOLT AN4-30A MODIFIED C/SUNK HEAD	7948	104491	1
12	WASHER NYLON M 8 XOD	5540	100820	3
13	WASHER AN4	5540	100042	8
14	NUT NYLOC AN4 HALF	5561	100035	9
15	WASHER NYLON M 6 XOD	5540	101055	12
16	SPRING QUICK CLIP GATE	7972	104275	1
17	X/BAR CHANNEL REV	7974	109685	2
18	X/BAR BRACKET REV	7973	109684	2
19	BOLT AN4-36A	5450	100014	2
20	BOLT AN4-24A	5450	100587	2
21	WASHER NYLON 1/4IN OBA THIN	5540	103961	4
22	WASHER SS304 1/4 X 3/4IN	5540	102018	2
23	CLEVIS PIN 3/16 X 29/32IN	5536	104572	2
24	PIVOT SPROG HORIZONTAL 33MM	7727	109514	2
25	PIVOT SPROG VERTICAL	7728	109512	2
26	SPLIT RING 11MM RF114	5720	100950	2
27	POP RIVET SS 3/16 (6 - 6)	5515	102205	12
28	X/BAR WEDGE ASM REV	7927	109878	1
29	PULLEY BLOCK RF20312 VG 3P	7919	102023	2
30	TANG 1/4IN EYELET HOLE	5673	103290	1
31	PULL BACK WIRE VG 200L REV	7811	109673	1
32	NUT NYLOC AN3 HALF	5561	101334	1
33	KEEL EXTENSION ACETAL BUSH REV	7898	109854	1
34	BOLT AN3-11A	5449	109626	1
35	PULLEY RF661 PULL BACK	6442	100728	1
36	SHACKLE BODY 1/4IN PULL BACK	6338	102021	1
37	BOLT AN4-11A	5450	100003	1
38	PULLEY BLOCK RF20212 DOUBLE BECKET	7983	104214	1
39	BUNGEE REV 2:1 1.23M	7979	109953	1
40	VG ROPE 2:1 REV 2.65M	7979	109954	1
41	BUNGEE KEEL EXTENSION REV 1.2M	7979	109955	1
42	BUNGEE VG HANG LOOP PILLAR REV 0.55M	7979	109956	1
43	VG ROPE WEDGE PULLEY REV 4.16M	7979	109962	1
44	CABLE TIE (LONG) 292 X 3.5MM BLACK	5605	101194	1
45	HEATSHRINK CLR 25 X 80	5582	109846	1
46	HEATSHRINK CLR 20MM X 50	5582	106375	1

SEE SHEET 2,3 AND 4 FOR ASSEMBLY EXPLOSIONS.
SEE SHEET 5 FOR PULL BACK AND VG ROPE ROUTINGS.

Rev	AMENDMENTS	Date
1	DCR 2428 - REV DEV	02-12-09
2	DCR 2450 ADD LIGHT ALTERNATIVES	06-09-10

PART NO. 109690

LAST ACESSED: Monday, 20 September 2010

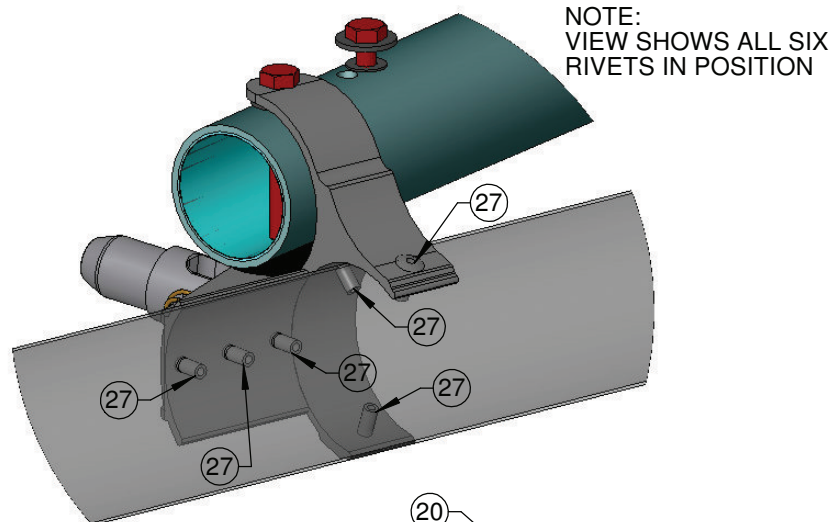
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AIRFRAME REV 13.5

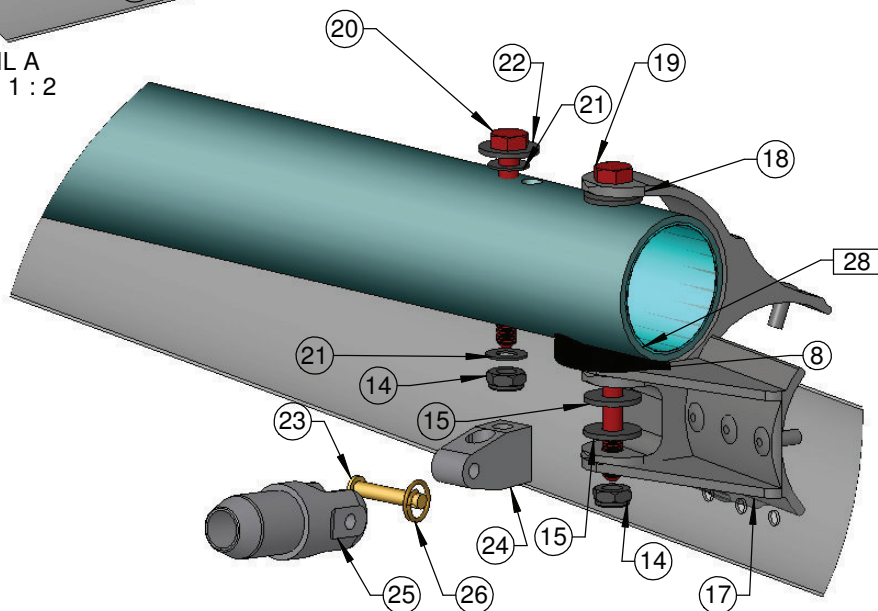
Drawn By	Scale	Date
Simon	1:25	02-12-09

AirBorne
AUSTRALIA

7971
SHEET 1 of 5



DETAIL A
SCALE 1 : 2



DETAIL B
SCALE 1 : 2

PART NO. 109690

LAST ACESSED: Monday, 20 September 2010

ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

ITEM NO.	NAME	DWG	PART NO.	QTY.
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11	BOLT AN4-30A MODIFIED C/SUNK HEAD	7948	104491	1
12	WASHER NYLON M 8 XOD	5540	100820	3
13	WASHER AN4	5540	100042	8
14	NUT NYLOC AN4 HALF	5561	100035	9
15	WASHER NYLON M 6 XOD	5540	101055	12
16	SPRING QUICK CLIP GATE	7972	104275	1
17	X/BAR CHANNEL REV	7974	109685	2
18	X/BAR BRACKET REV	7973	109684	2
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20	BOLT AN4-24A	5450	100587	2
21	WASHER NYLON 1/4IN OBA THIN	5540	103961	4
22	WASHER SS304 1/4 X 3/4IN	5540	102018	2
23	CLEVIS PIN 3/16 X 29/32IN	5536	104572	2
24	PIVOT SPROG HORIZONTAL 33MM	7727	109514	2
25	PIVOT SPROG VERTICAL	7728	109512	2
26	SPLIT RING 11MM RF114	5720	100950	2
27	POP RIVET SS 3/16 (6 - 6)	5515	102205	12
28	X/BAR WEDGE ASM REV	7927	109878	1
29	PULLEY BLOCK RF20312 VG 3P	7919	102023	2
30	TANG 1/4IN EYELET HOLE	5673	103290	1
31	PULL BACK WIRE VG 200L REV	7811	109673	1
32	NUT NYLOC AN3 HALF	5561	101334	1
33	KEEL EXTENSION ACETAL BUSH REV	7898	109854	1
34	BOLT AN3-11A	5449	109626	1
35	PULLEY RF661 PULL BACK	6442	100728	1
36	SHACKLE BODY 1/4IN PULL BACK	6338	102021	1
37	BOLT AN4-11A	5450	100003	1
38	PULLEY BLOCK RF20212 DOUBLE BECKET	7983	104214	1
39	BUNGEE REV 2:1 1.23M	7979	109953	1
40	VG ROPE 2:1 REV 2.65M	7979	109954	1
41	BUNGEE KEEL EXTENSION REV 1.2M	7979	109955	1
42	BUNGEE VG HANG LOOP PILLAR REV 0.55M	7979	109956	1
43	VG ROPE WEDGE PULLEY REV 4.16M	7979	109962	1
44	CABLE TIE (LONG) 292 X 3.5MM BLACK	5605	101194	1
45	HEATSHRINK CLR 25 X 80	5582	109846	1
46	HEATSHRINK CLR 20MM X 50	5582	106375	1

AIRFRAME REV 13.5

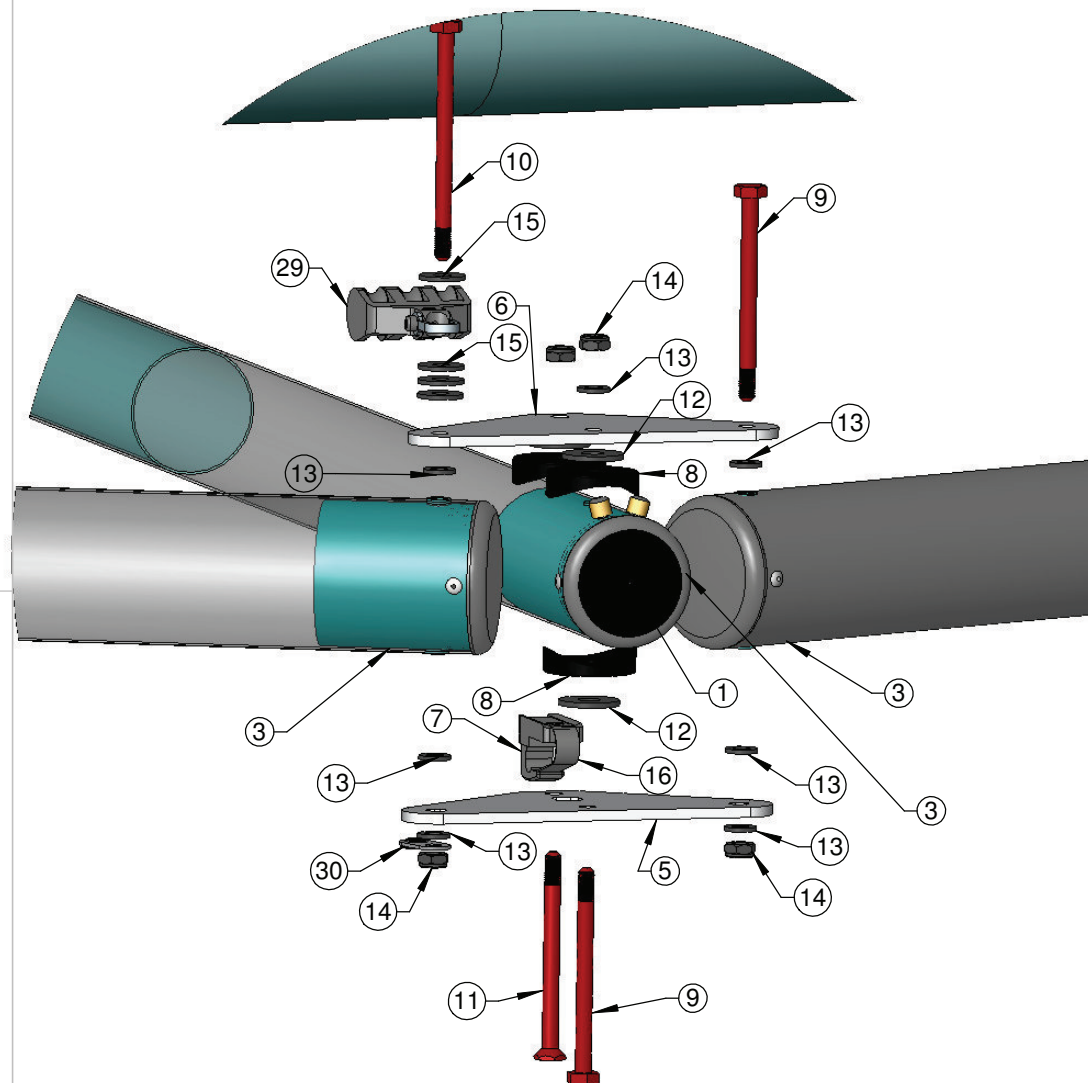
Drawn By
Simon

Scale
1:75

Date
18-12-09

AirBorne
AUSTRALIA

7971
SHEET 2 of 5



ITEM NO.	NAME	DWG	PART NO.	QTY.
1	KEEL TUBE ASM FRONT REV 13.5	7808	109665	1
2	REAR KEEL ASM REV	7976	109951	1
3	L/EDGE FRONT HG REV	7796	109651	2
4	KEEL EXTENSION ASM REV	7896	109853	1
5	NOSE PLATE HG TYPE 2 4MM BTM	4864	104274	1
6	NOSE PLATE HG TYPE 2 4MM TOP	4864	104273	1
7	NOSE CLIP BLOCK TYPE 3	4905	104520	1
8	SADDLE 60MM TUBE	7166	100080	5
9	BOLT AN4-31	5450	100631	2
10	BOLT AN4-34A	5450	100850	1
11	BOLT AN4-30A MODIFIED C/SUNK HEAD	7948	104491	1
12	WASHER NYLON M 8 XOD	5540	100820	3
13	WASHER AN4	5540	100042	8
14	NUT NYLOC AN4 HALF	5561	100035	9
15	WASHER NYLON M 6 XOD	5540	101055	12
16	SPRING QUICK CLIP GATE	7972	104275	1
17	X/BAR CHANNEL REV	7974	109685	2
18	X/BAR BRACKET REV	7973	109684	2
19	BOLT AN4-36A	5450	100014	2
20	BOLT AN4-24A	5450	100587	2
21	WASHER NYLON 1/4IN OBA THIN	5540	103961	4
22	WASHER SS304 1/4 X 3/4IN	5540	102018	2
23	CLEVIS PIN 3/16 X 29/32IN	5536	104572	2
24	PIVOT SPROG HORIZONTAL 33MM	7727	109514	2
25	PIVOT SPROG VERTICAL	7728	109512	2
26	SPLIT RING 11MM RF114	5720	100950	2
27	POP RIVET SS 3/16 (6 - 6)	5515	102205	12
28	X/BAR WEDGE ASM REV	7927	109878	1
29	PULLEY BLOCK RF20312 VG 3P	7919	102023	2
30	TANG 1/4IN EYELET HOLE	5673	103290	1
31	PULL BACK WIRE VG 200L REV	7811	109673	1
32	NUT NYLOC AN3 HALF	5561	101334	1
33	KEEL EXTENSION ACETAL BUSH REV	7898	109854	1
34	BOLT AN3-11A	5449	109626	1
35	PULLEY RF661 PULL BACK	6442	100728	1
36	SHACKLE BODY 1/4IN PULL BACK	6338	102021	1
37	BOLT AN4-11A	5450	100003	1
38	PULLEY BLOCK RF20212 DOUBLE BECKET	7983	104214	1
39	BUNGEE REV 2:1 1.23M	7979	109953	1
40	VG ROPE 2:1 REV 2.65M	7979	109954	1
41	BUNGEE KEEL EXTENSION REV 1.2M	7979	109955	1
42	BUNGEE VG HANG LOOP PILLAR REV 0.55M	7979	109956	1
43	VG ROPE WEDGE PULLEY REV 4.16M	7979	109962	1
44	CABLE TIE (LONG) 292 X 3.5MM BLACK	5605	101194	1
45	HEATSHRINK CLR 25 X 80	5582	109846	1
46	HEATSHRINK CLR 20MM X 50	5582	106375	1

PART NO. 109690

Rev	AMENDMENTS	Date

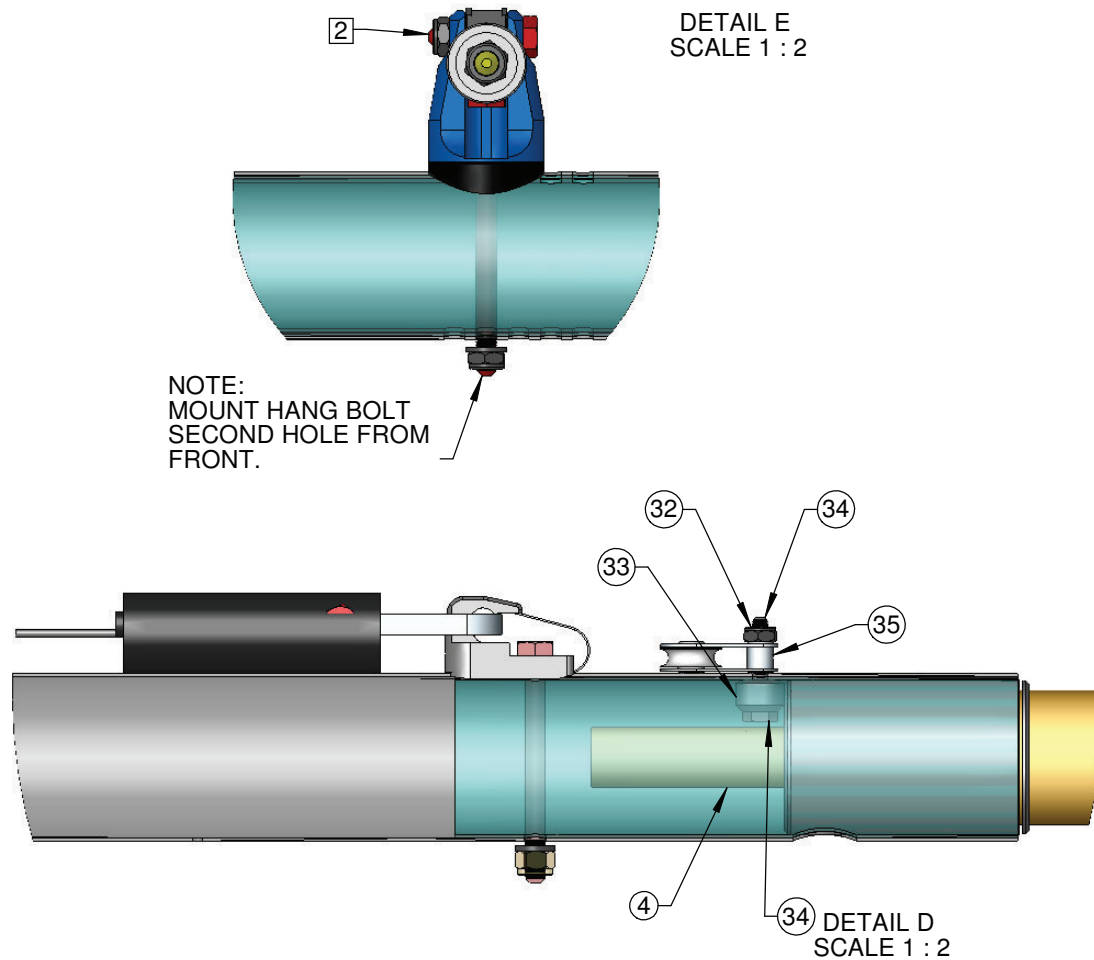
LAST ACESSED: Monday, 20 September 2010
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

AIRFRAME REV 13.5

Drawn By	Scale	Date
Simon	1:75	18-12-09

AirBorne
AUSTRALIA

7971
SHEET 3 of 5



ITEM NO.	NAME	DWG	PART NO.	QTY.
1	KEEL TUBE ASM FRONT REV 13.5	7808	109665	1
2	REAR KEEL ASM REV	7976	109951	1
3	L/EDGE FRONT HG REV	7796	109651	2
4	KEEL EXTENSION ASM REV	7896	109853	1
5	NOSE PLATE HG TYPE 2 4MM BTM	4864	104274	1
6	NOSE PLATE HG TYPE 2 4MM TOP	4864	104273	1
7	NOSE CLIP BLOCK TYPE 3	4905	104520	1
8	SADDLE 60MM TUBE	7166	100080	5
9	BOLT AN4-31	5450	100631	2
10	BOLT AN4-34A	5450	100850	1
11	BOLT AN4-30A MODIFIED C/SUNK HEAD	7948	104491	1
12	WASHER NYLON M 8 XOD	5540	100820	3
13	WASHER AN4	5540	100042	8
14	NUT NYLOC AN4 HALF	5561	100035	9
15	WASHER NYLON M 6 XOD	5540	101055	12
16	SPRING QUICK CLIP GATE	7972	104275	1
17	X/BAR CHANNEL REV	7974	109685	2
18	X/BAR BRACKET REV	7973	109684	2
19	BOLT AN4-36A	5450	100014	2
20	BOLT AN4-24A	5450	100587	2
21	WASHER NYLON 1/4IN OBA THIN	5540	103961	4
22	WASHER SS304 1/4 X 3/4IN	5540	102018	2
23	CLEVIS PIN 3/16 X 29/32IN	5536	104572	2
24	PIVOT SPROG HORIZONTAL 33MM	7727	109514	2
25	PIVOT SPROG VERTICAL	7728	109512	2
26	SPLIT RING 11MM RF114	5720	100950	2
27	POP RIVET SS 3/16 (6 - 6)	5515	102205	12
28	X/BAR WEDGE ASM REV	7927	109878	1
29	PULLEY BLOCK RF20312 VG 3P	7919	102023	2
30	TANG 1/4IN EYELET HOLE	5673	103290	1
31	PULL BACK WIRE VG 200L REV	7811	109673	1
32	NUT NYLOC AN3 HALF	5561	101334	1
33	KEEL EXTENSION ACETAL BUSH REV	7898	109854	1
34	BOLT AN3-11A	5449	109626	1
35	PULLEY RF661 PULL BACK	6442	100728	1
36	SHACKLE BODY 1/4IN PULL BACK	6338	102021	1
37	BOLT AN4-11A	5450	100003	1
38	PULLEY BLOCK RF20212 DOUBLE BECKET	7983	104214	1
39	BUNGEE REV 2:1 1.23M	7979	109953	1
40	VG ROPE 2:1 REV 2.65M	7979	109954	1
41	BUNGEE KEEL EXTENSION REV 1.2M	7979	109955	1
42	BUNGEE VG HANG LOOP PILLAR REV 0.55M	7979	109956	1
43	VG ROPE WEDGE PULLEY REV 4.16M	7979	109962	1
44	CABLE TIE (LONG) 292 X 3.5MM BLACK	5605	101194	1
45	HEATSHRINK CLR 25 X 80	5582	109846	1
46	HEATSHRINK CLR 20MM X 50	5582	106375	1

Rev	AMENDMENTS	Date

PART NO. 109690

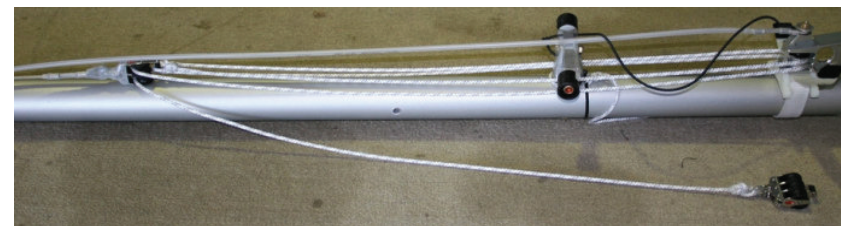
LAST ACESSED: Monday, 20 September 2010

ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

AIRFRAME REV 13.5

Drawn By	Scale	Date
Simon	1:75	17/09/10

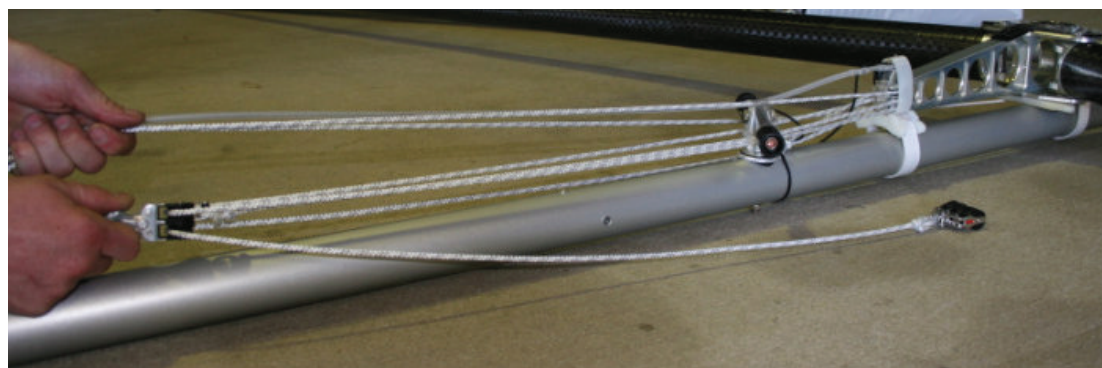
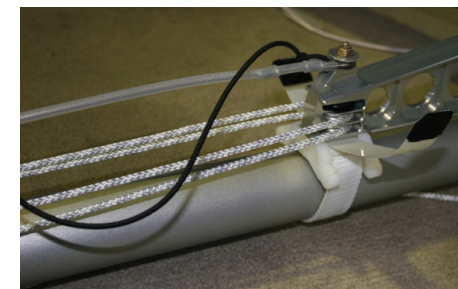
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AUSTRALIA7971
SHEET 4 of 5



VG ROPE ROUTING



PULL BACK ROPE ROUTING



COMPLETE PULL BACK AND VG
ROPE ROUTING

Rev	AMENDMENTS	Date

PART NO. 109690

LAST ACESSED: Monday, 20 September 2010
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

AIRFRAME REV 13.5

Drawn By	Scale	Date
Simon	1:75	17-09-10

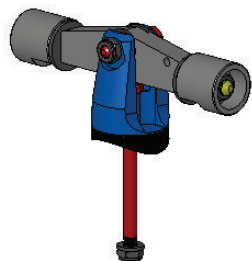
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SHEET 5 of 5

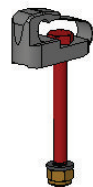
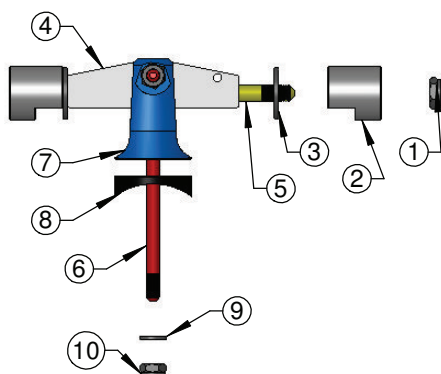
1.2 Rear Keel Assembly

- *Drawing # 7976*

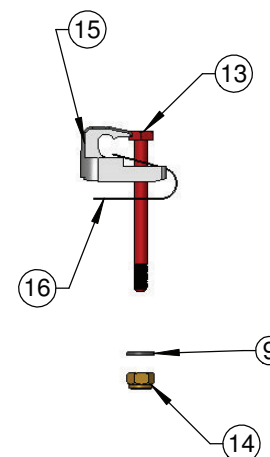
NOTE: MOUNT HANG
LOOP PILLAR ASM
SECOND HOLE FROM
FRONT ON KEEL ASM.



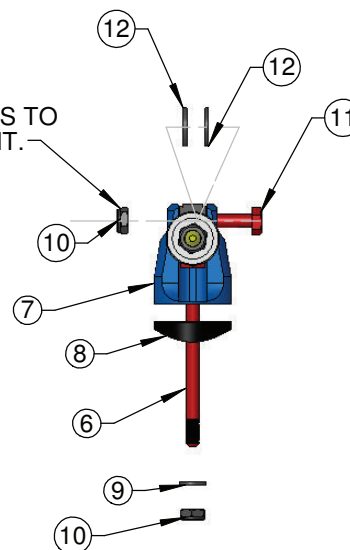
HANG LOOP PILLAR ASM



PULL BACK ASM



NOTE:
NUT FACES TO
THE FRONT.



Rev	AMENDMENTS	Date
1	DCR 2428 - REV DEV	03-12-09

PART NO. 109951

LAST ACESSED: Monday, 20 September 2010
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

ITEM NO.	NAME	DWG	PART NO.	QTY.
1	NUT NYLOC AN5 HALF	5561	100037	1
2	HANG LOOP NYLON RETAINER	Part	104310	2
3	WASHER NYLON M 8 XOD	5540	100820	2
4	HANG LOOP PILLAR SPREADER	4865	104183	1
5	BOLT AN5-46	5493	104500	1
6	BOLT AN4-32A	5450	100012	1
7	HANG LOOP PILLAR BASE TYPE 2	5320	105044	1
8	SADDLE 60MM TUBE	7166	100080	1
9	WASHER AN4	5540	100042	2
10	NUT NYLOC AN4 HALF	5561	100035	2
11	BOLT AN4-11A	5450	100003	1
12	WASHER NYLON M 6 XOD	5540	101055	2
13	BOLT AN4-26A	5450	100009	1
14	NUT NYLOC AN4 FULL	5535	100034	1
15	NOSE CLIP BLOCK TYPE 3	4905	104520	1
16	SPRING QUICK CLIP GATE	7972	104275	1

REAR KEEL ASM REV

Drawn By	Scale	Date
Stuart	1:3	02-12-09



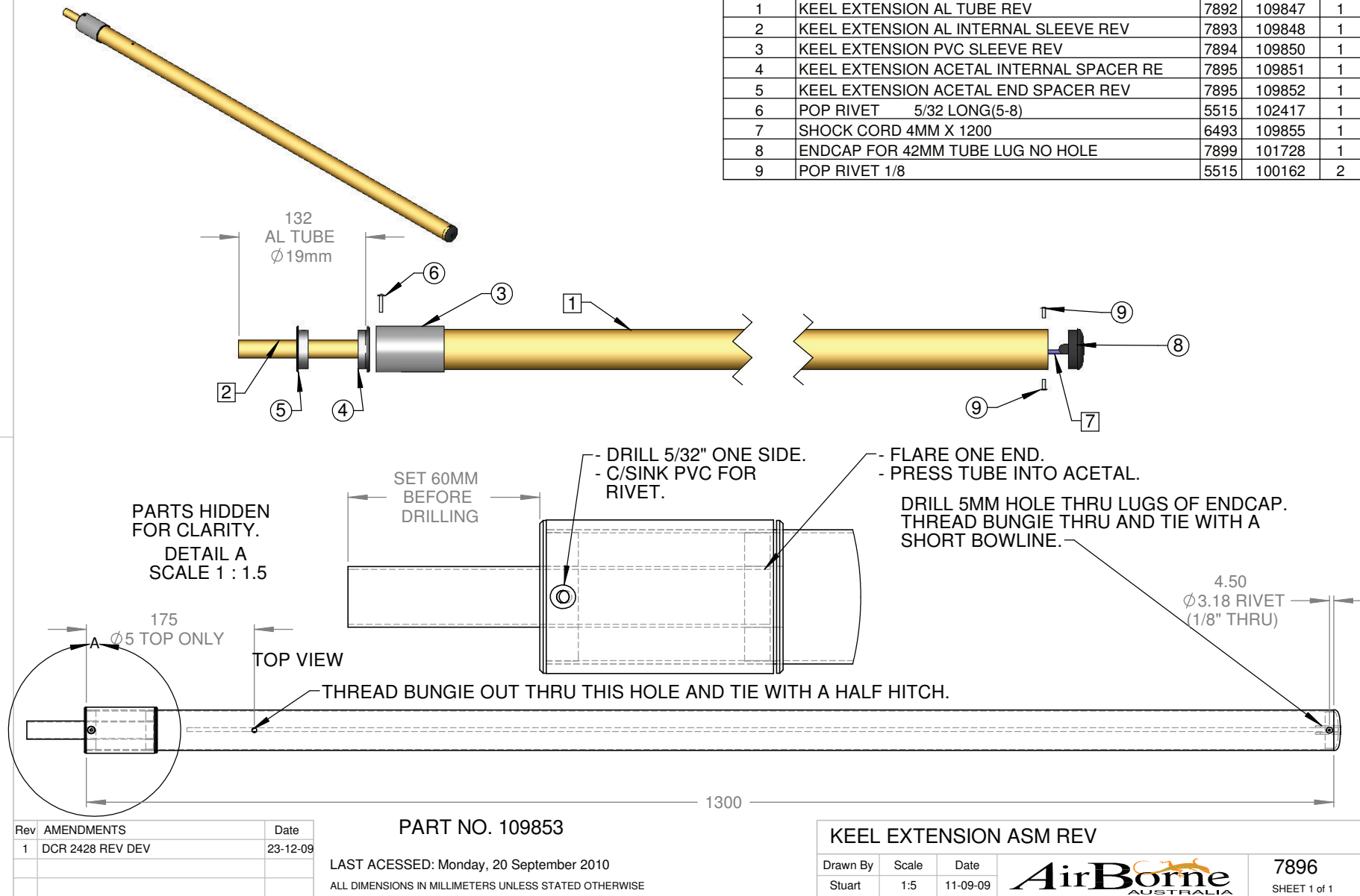
7976
SHEET 1 of 1

1.3 Keel Extension Asm

-

Drawing # 7896

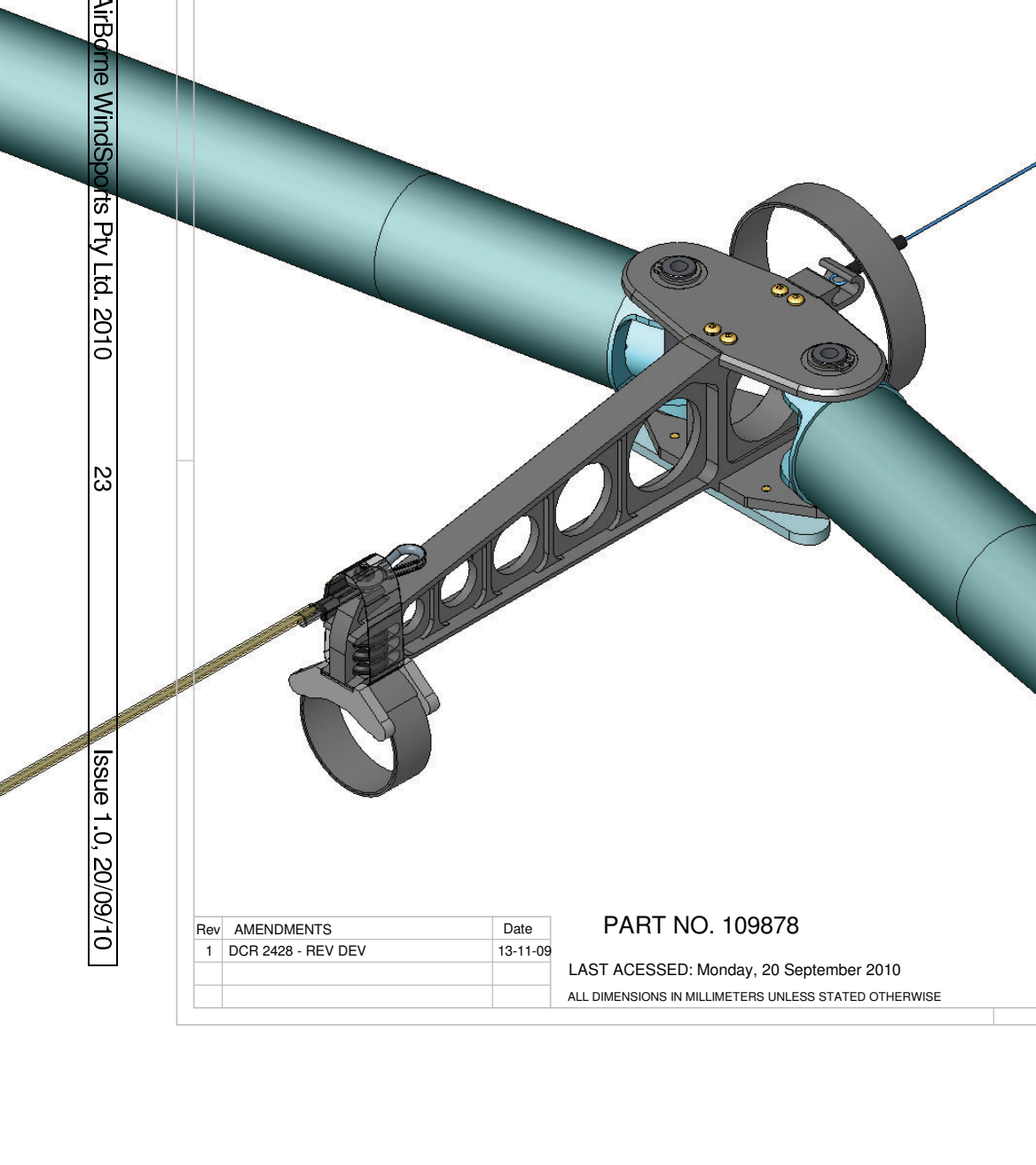
ITEM NO.	NAME	DWG	PART NO.	QTY.
1	KEEL EXTENSION AL TUBE REV	7892	109847	1
2	KEEL EXTENSION AL INTERNAL SLEEVE REV	7893	109848	1
3	KEEL EXTENSION PVC SLEEVE REV	7894	109850	1
4	KEEL EXTENSION ACETAL INTERNAL SPACER RE	7895	109851	1
5	KEEL EXTENSION ACETAL END SPACER REV	7895	109852	1
6	POP RIVET 5/32 LONG(5-8)	5515	102417	1
7	SHOCK CORD 4MM X 1200	6493	109855	1
8	ENDCAP FOR 42MM TUBE LUG NO HOLE	7899	101728	1
9	POP RIVET 1/8	5515	100162	2



1.4 X/Bar Wedge Asm

-

Drawing # 7927



ITEM NO.	NAME	DWG	PART NO.	QTY.
1	DRI LUBE SOLID LUBRICANT 27GRAMS	5637	106432	1
2	X/BAR WEDGE REV TYPE 2	4848	109973	1
3	X/BAR WEDGE REAR SLIDER REV	5339	109875	1
4	BOLT AN3-30A	5449	100629	1
5	LOOP X/BAR WEDGE 25MMX95 REV	7925	109872	1
6	VG PULLEY 25OD INCL BEARING ALUMINIUM	7926	109876	2
7	VG PULLEY 25OD X 4.75ID X6W ACETAL	7921	109877	1
8	BUSH ALLOY REV XBAR PULLBACK	8123	110214	1
9	NUT NYLOC AN3 HALF	5561	101334	1
10	X/BAR HINGE PLATE SLIDER REV	7928	109879	1
11	X/BAR HINGE PLATE TOP BENT	7929	104271	1
12	X/BAR HINGE PLATE BTM BENT	4910	104272	1
13	SKT BUTTON SCREW M5 X 16 SS 304	5677	103182	8
14	SKT BUTTON SCREW M5 X 10 SS 304	5677	106172	2
15	X/BAR HINGE PIN REV	7930	109882	2
16	CIRCLIP X/BAR PIN	7942	104231	4
17	LOOP X/BAR WEDGE 25MMX165 REV	7925	109886	1
18	X/BAR RETAINER WIRE ASM	7944	109885	1
19	PULL BACK WIRE WEDGE 1010L REV 13.5	7811	109672	1
20	WASHER X/BAR JUNCTION CLIMAX II AND REV	7946	104749	4
21	COVER PROTECTIVE MYLAR SET REV FRAME	7970	109940	1
22	X/BAR HG REV 13.5	7805	109663	2
23	COVER PROTECTIVE MYLAR STRAP VG	7970	110339	1
24	VELCRO HOOK 25 X 25 ADHESVE	6312	110219	1
25	VELCRO LOOP 25 X 25 ADHESVE	6313	110220	1

NOTE:
SEE SHEET 2 FOR ASSEMBLY DETAILS

Rev	AMENDMENTS	Date
1	DCR 2428 - REV DEV	13-11-09

PART NO. 109878

LAST ACESSED: Monday, 20 September 2010
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

X/BAR WEDGE ASM REV

Drawn By	Scale	Date		7927 SHEET 1 of 2
Simon	1:3	30-11-09		

DETAIL A
SCALE 1 : 3

DETAIL B
SCALE 1 : 3

NOTE:
PUT DRI LUBE ON PULLEYS ON ASSEMBLY.

ITEM NO.	NAME	DWG	PART NO.	QTY.
1	DRI LUBE SOLID LUBRICANT 27GRAMS	5637	106432	1
2	X/BAR WEDGE REV TYPE 2	4848	109973	1
3	X/BAR WEDGE REAR SLIDER REV	5339	109875	1
4	BOLT AN3-30A	5449	100629	1
5	LOOP X/BAR WEDGE 25MMX95 REV	7925	109872	1
6	VG PULLEY 25OD INCL BEARING ALUMINIUM	7926	109876	2
7	VG PULLEY 25OD X 4.75ID X6W ACETAL	7921	109877	1
8	BUSH ALLOY REV XBAR PULLBACK	8123	110214	1
9	NUT NYLOC AN3 HALF	5561	101334	1
10	X/BAR HINGE PLATE SLIDER REV	7928	109879	1
11	X/BAR HINGE PLATE TOP BENT	7929	104271	1
12	X/BAR HINGE PLATE BTM BENT	4910	104272	1
13	SKT BUTTON SCREW M5 X 16 SS 304	5677	103182	8
14	SKT BUTTON SCREW M5 X 10 SS 304	5677	106172	2
15	X/BAR HINGE PIN REV	7930	109882	2
16	CIRCLIP X/BAR PIN	7942	104231	4
17	LOOP X/BAR WEDGE 25MMX165 REV	7925	109886	1
18	X/BAR RETAINER WIRE ASM	7944	109885	1
19	PULL BACK WIRE WEDGE 1010L REV 13.5	7811	109672	1
20	WASHER X/BAR JUNCTION CLIMAX II AND REV	7946	104749	4
21	COVER PROTECTIVE MYLAR SET REV FRAME	7970	109940	1
22	X/BAR HG REV 13.5	7805	109663	2
23	COVER PROTECTIVE MYLAR STRAP VG	7970	110339	1
24	VELCRO HOOK 25 X 25 ADHESVE	6312	110219	1
25	VELCRO LOOP 25 X 25 ADHESVE	6313	110220	1

Rev	AMENDMENTS	Date

PART NO. 109878

LAST ACESSED: Monday, 20 September 2010

ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

X/BAR WEDGE ASM REV

Drawn By	Scale	Date
Simon	1:75	17-12-09

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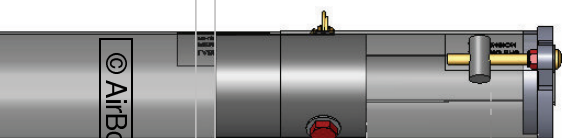
7927

SHEET 2 of 2

1.5 Leading Edge Rear Asm

-

Drawing # 7945

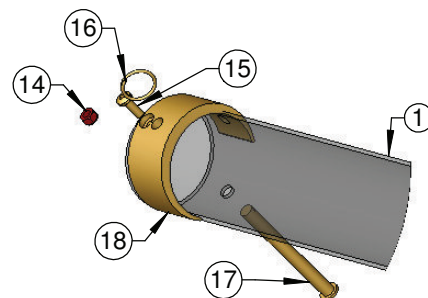


DETAIL E
SCALE 1 : 3

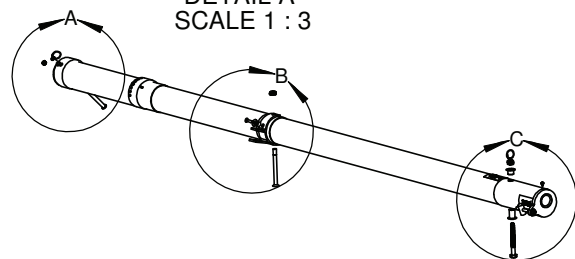
80
SLEEVE
DISTANCE
FROM END

25mm
STANDARD
SETTING

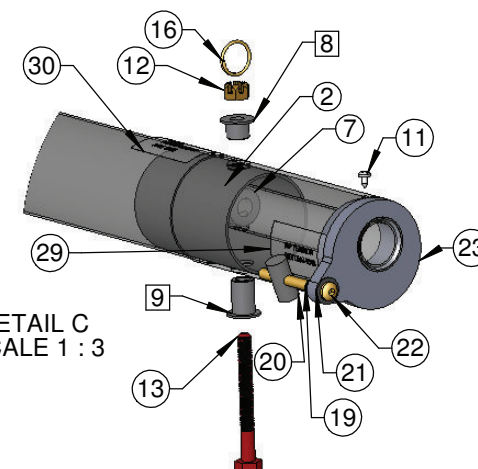
NOTE:
TIP WAND ADJUSTMENT.
- THE FACTORY STANDARD TIP WAND
ANGLE SETTING IS ZERO DEGREES.
- TO OBTAIN A ZERO TIP ANGLE THE
NUT ON TOP OF THE TUBE (WITH
RING) SHOULD BE ROTATED
ANTICLOCKWISE UNTIL THE WAND
RECEPTACLE HITS THE LOWER STOP.
- A ROTATION OF 4 TURNS
CLOCKWISE RESULTS IN ZERO TIP
WAND ANGLE.
- AN ADJUSTMENT OF ONE FULL
ROTATION WILL RESULT IN A TIP
WAND ANGLE CHANGE OF 1 DEGREE.



DETAIL A
SCALE 1 : 3



DETAIL B
SCALE 1 : 3



DETAIL C
SCALE 1 : 3

NOTE FOR LHS BOM SEE SHEET 2.

PART NO. 109682

ITEM NO.	NAME	DWG	PART NO.	QTY.
1	L/EDGE REAR HG CARBON REV	7807	109670	1
2	O-RING FUEL TANK	5932	103181	1
3	COVER PROTECTIVE MYLAR SET REV REAR L/E	7970	109943	1
4	SCREW SELF TAPPING 1/4X8G 304SS	5909	105140	1
5	ROLL PIN 3/32 X 1/2IN SS	5516	102713	1
6	CRESCENT REDUCER OUTER	4979	104497	1
7	TIP ROD ADJUSTER DOWELL	7958	109911	1
8	BUSH REAR L/EDGE ADJUSTER REV 09L	7961	109926	1
9	BUSH REAR L/EDGE ADJUSTER REV 17L	7961	109922	1
10	BUNG TUBE CARBON TIP TYPE 3	7745	109912	1
11	SCREW PHILIPS PAN 4GX6MM ZINC	5909	104315	1
12	NUT CASTLE AN4	6297	100040	1
13	BOLT AN4-23 MOD	7968	109930	1
14	NUT NYLOC M 4 ZINC	5604	100911	1
15	SKT BUTTON SCREW M4 X 12 SS 304	5677	109056	1
16	SPLIT RING 14MM RF686	5720	109756	2
17	CLEVIS PIN 1/4X 2 15/32IN	5536	109969	1
18	CRESCENT REDUCER INNER REV	4979	109970	1
19	NUT NYLOC M 5 ZINC	5604	101365	1
20	DOWELL SAIL ADJUSTER REV	7953	109902	1
21	WASHER SS304 3/16 X 1/2IN	5540	100569	2
22	SKT BUTTON SCREW M5 X 50 SS 304	5677	109903	1
23	BUNG FIBREGLASS TIP RHS REV	7950	109900	1
24	SPACER 8.0DX 6L NYLON	7721	109205	1
25	POP RIVET 5/32 MED 5-5	5515	100161	1
26	MACH SCREW MS24694-S131 1/4X2 25/32IN	7797	109967	1
27	BRACKET SPROG OUTBOARD TYPE 2	4914	109968	1
28	NUT NYLOC AN4 HALF	5561	100035	1
29	LABEL REV L/EDGE TIP TENSION SETTING RHS	8005	110032	1
30	LABEL REV L/EDGE TUNING RHS	8006	110034	1

Rev	AMENDMENTS	Date
1	DCR 2428 - REV DEV	30-10-09
2	DCR 2450 ADD LIGHT ALTERNATIVES	06-09-10

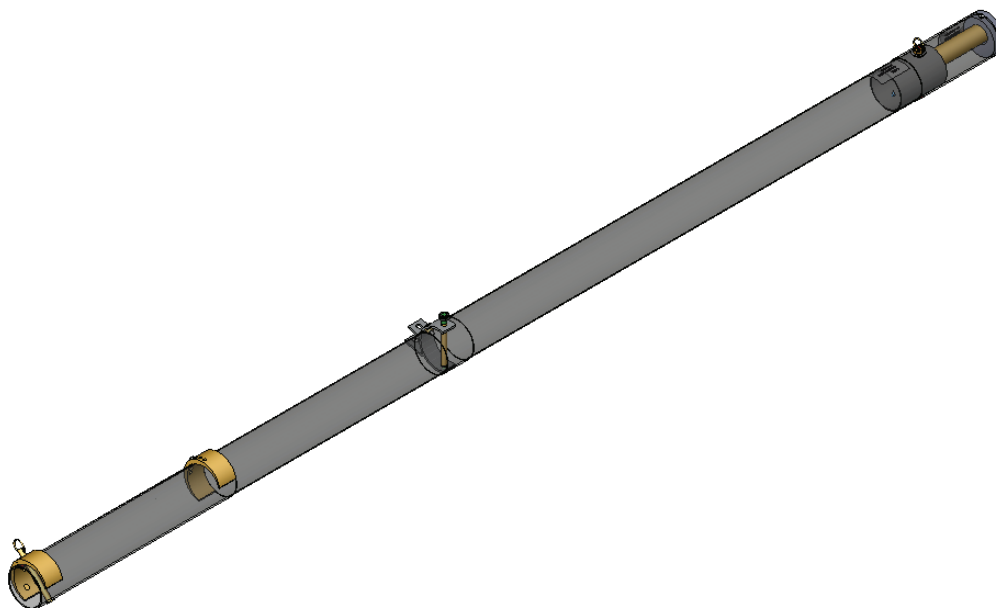
LAST ACESSED: Monday, 20 September 2010
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

L/EDGE REAR ASM HG REV 13.5 RHS

Drawn By	Scale	Date
Simon	1:10	30-10-09

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7945
SHEET 1 of 2



ITEM NO.	NAME	DWG	PART NO.	QTY.
1	L/EDGE REAR HG CARBON REV	7807	109670	1
2	O-RING FUEL TANK	5932	103181	1
3	COVER PROTECTIVE MYLAR SET REV REAR L/E	7970	109943	1
4	SCREW SELF TAPPING 1/4X8G 304SS	5909	105140	1
5	ROLL PIN 3/32 X 1/2IN SS	5516	102713	1
6	CRESCENT REDUCER OUTER	4979	104497	1
7	TIP ROD ADJUSTER DOWELL	7958	109911	1
8	BUSH REAR L/EDGE ADJUSTER REV 09L	7961	109926	1
9	BUSH REAR L/EDGE ADJUSTER REV 17L	7961	109922	1
10	BUNG TUBE CARBON TIP TYPE 3	7745	109912	1
11	SCREW PHILIPS PAN 4GX6MM ZINC	5909	104315	1
12	NUT CASTLE AN4	6297	100040	1
13	BOLT AN4-23 MOD	7968	109930	1
14	NUT NYLOC M 4 ZINC	5604	100911	1
15	SKT BUTTON SCREW M4 X 12 SS 304	5677	109056	1
16	SPLIT RING 14MM RF686	5720	109756	2
17	CLEVIS PIN 1/4X 2 15/32IN	5536	109969	1
18	CRESCENT REDUCER INNER REV	4979	109970	1
19	NUT NYLOC M 5 ZINC	5604	101365	1
20	DOWELL SAIL ADJUSTER REV	7953	109902	1
21	WASHER SS304 3/16 X 1/2IN	5540	100569	2
22	SKT BUTTON SCREW M5 X 50 SS 304	5677	109903	1
23	BUNG FIBREGLASS TIP LHS REV	7950	109899	1
24	SPACER 8.0DX 6L NYLON	7721	109205	1
25	POP RIVET 5/32 MED 5-5	5515	100161	1
26	MACH SCREW MS24694-S131 1/4X2 25/32IN	7797	109967	1
27	BRACKET SPROG OUTBOARD TYPE 2	4914	109968	1
28	NUT NYLOC AN4 HALF	5561	100035	1
29	LABEL REV L/EDGE TIP TENSION SETTING LHS	8005	110031	1
30	LABEL REV L/EDGE TUNING LHS	8006	110033	1

NOTE FOR RHS BOM SEE SHEET 1.

Rev	AMENDMENTS	Date

PART NO. 109681

LAST ACESSED: Monday, 20 September 2010
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

L/EDGE REAR ASM HG REV 13.5 LHS			
Drawn By	Scale	Date	
Simon	1:7	30-10-09	
			7945 SHEET 2 of 2

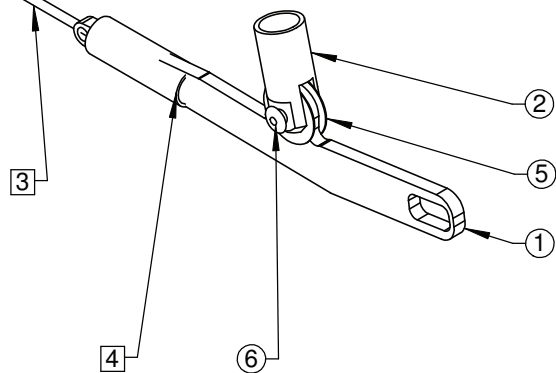
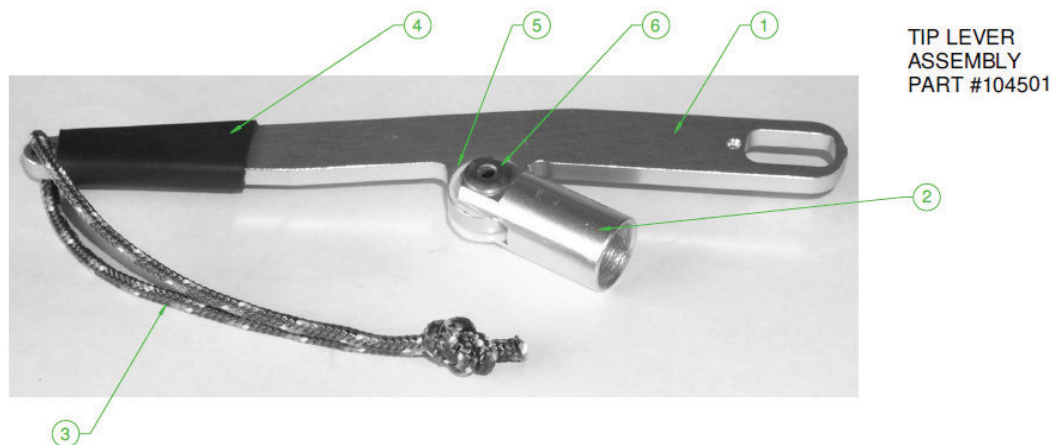
1.6 Tip Lever Assembly

-

Drawing # 4980

ITEM NO.	NAME	DWG	PART NO.	QTY.
1	TIP LEVER CLIMAX	4847	104187	1
2	TIP LEVER SOCKET	4847	104390	1
3	ROPE SPECTRA 3MM X 350	6493	109985	1
4	HEATSHRINK BLK 12MM ADHESIVE X 40	5582	109984	1
5	WASHER MYLAR 22X 7	5540	100624	2
6	POP RIVET SS 3/16 (6 - 6)	5515	102205	1

NOTE: TIP LEVER ASM #104501
INCLUDES TIP LEVER INSERT
#104467



PART NO. 104391

Rev	AMENDMENTS	Date
1	DCR 2428 - REV DEV	04-12-09

LAST ACESSED: Monday, 20 September 2010
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

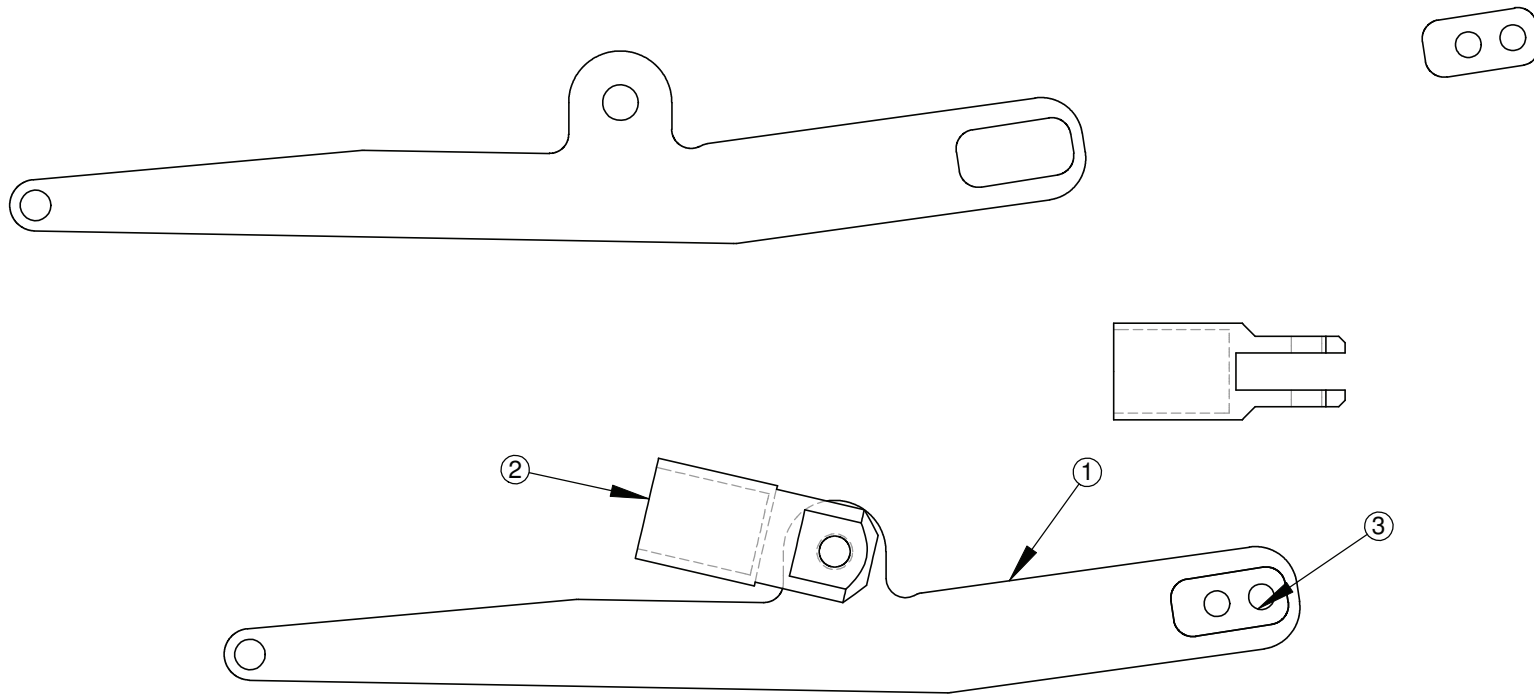
TIP LEVER ASM HG GLASS

Drawn By	Scale	Date		4980 SHEET 1 of 1
Simon	1:2	04-12-09		

1.7 *Tip Lever*

- *Drawing # 4847*

ITEM NO.	NAME	DWG	PART NO.	QTY.
1	TIP LEVER CLIMAX	4847	104187	1
2	TIP LEVER SOCKET	4847	104390	1
3	TIP LEVER INSERT CLIMAX	4847	104467	1



Rev	AMENDMENTS	Date

PART NO. 104187 - 0

LAST ACESSED: Monday, 20 September 2010

ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

TIP LEVER ASM

Drawn By	Scale	Date
Cris	1:1	06/05/03



4847
SHEET 1 of 1

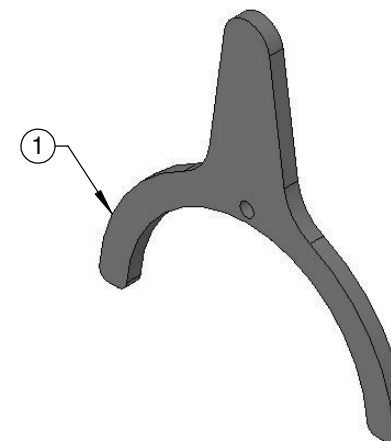
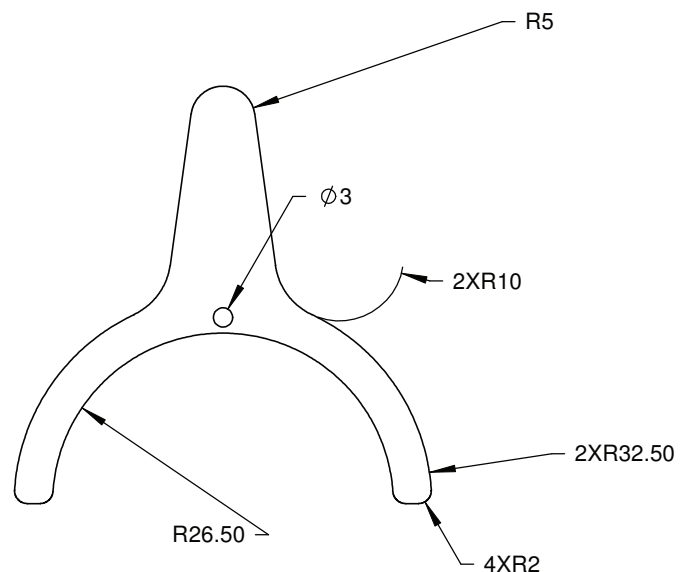
1.8 Leading Edge Spanner

-

Drawing # 5137

ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	104632	L/EDGE SPANNER	AL PLATE 5MM 7075 T6 600X400	104192	0.0222

MANUFACTURED USING CNC PGM NO. 4904.TXT



NOTE:
CNC INFORMATION (TOOLPATHS ETC)
IS STILL CARRIED IN TURBOCAD
SW MODEL SUPERCEDES TC MODEL 04-12-09

Rev	AMENDMENTS	Date
2	DCR 2428 - REV DEV	04-12-09

PART NO. 104632

LAST ACESSED: Monday, 20 September 2010

ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

L/EDGE SPANNER

Drawn By	Scale	Date
Simon	1:1	04-12-09

AirBorne
AUSTRALIA

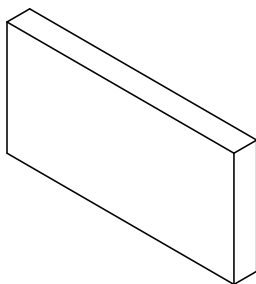
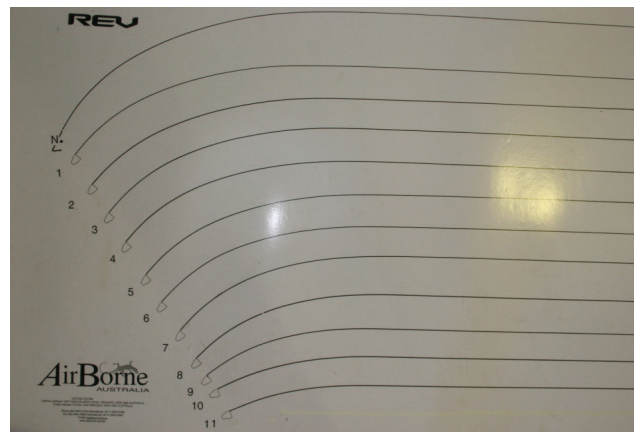
5137
SHEET 1 of 1

1.9 Batten Profile

-

Drawing # 7985

ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	109965	BATTEN PROFILE REV 13.5	NA	NA	NA



NOTE:
VIRTUAL PART ONLY

Rev	AMENDMENTS	Date
1	DCR 2428 - REV DEV	04-12-09

PART NO. 109965

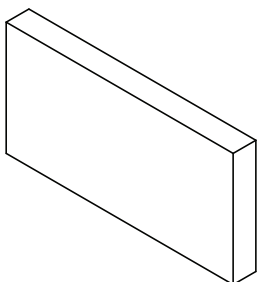
LAST ACESSED: Monday, 20 September 2010
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

BATTEN PROFILE REV 13.5				7985
Drawn By	Scale	Date	AirBorne AUSTRALIA	SHEET 1 of 1
Simon	1:2	04-12-09		

1.10 Cover Tip Bag

- *Drawing # 7987*

ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	109966	COVER TIP BAG LONG	NA	NA	NA



NOTE:
VIRTUAL PART ONLY.
PURCHASED FROM WINGTECH

Rev	AMENDMENTS	Date
1	DCR 2428 - REV DEV	04-12-09

PART NO. 109966

LAST ACESSED: Monday, 20 September 2010

ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

COVER TIP BAG LONG

Drawn By	Scale	Date
Simon	1:2	04-12-09

AirBorne
AUSTRALIA

7987
SHEET 1 of 1

1.11 Cover Control Frame Base

-

Drawing # 4500

ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	101673	COVER CONTROL FRAME BASE	NA	NA	NA



PART NO. 101673 - 0

THESE ARE
VIRTUAL PARTS

ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	110021	COVER CONTROL FRAME BASE REV	NA	NA	NA



PART NO. 110021

Rev	AMENDMENTS	Date
1	DCR 2428 REV DEV	18-01-10

LAST ACESSED: Monday, 20 September 2010
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

COVER CONTROL FRAME BASE			
Drawn By	Scale	Date	
Simon	NTS	25-06-04	
			4500 SHEET 1 of 1

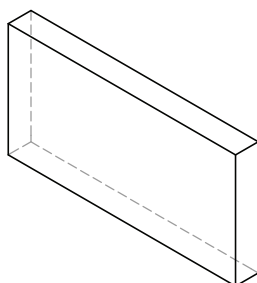
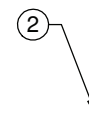
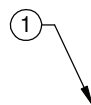
1.12 Cover Rear Keel

-

Drawing # 4499

ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	102432	COVER END POUCH HANG GLIDER GREY	NA	NA	NA

ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	102436	COVER REAR KEEL	NA	NA	NA



PART NO. 102436 - TRIKE WING COVER (BLUE)

THIS IS A VIRTUAL PART.
NO BOM INFORMATION IN SW.

PART NO. 102432 - HANG GLIDER (GREY)

LAST ACESSED: Monday, 20 September 2010

ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE



COVER END POUCH HANG GLIDER GREY

Drawn By	Scale	Date
Simon	NTS	25-06-04



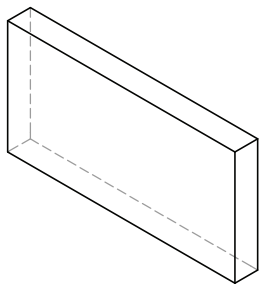
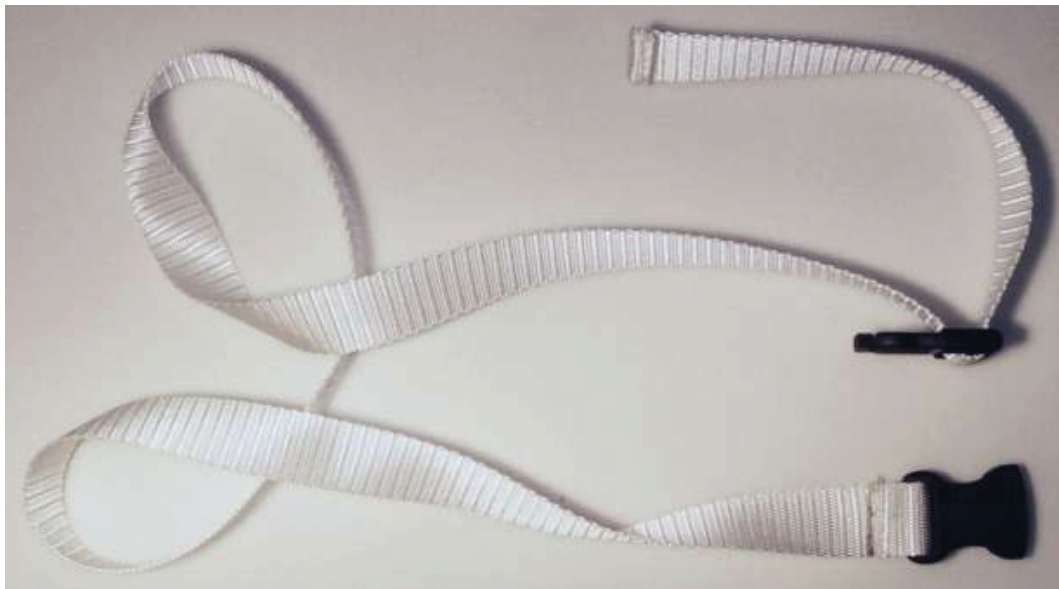
4499
SHEET 1 of 1

Rev	AMENDMENTS	Date

1.13 Glider Tie

- *Drawing # 7153*

ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	100139	GLIDER TIE	NA	NA	NA



**THIS IS A VIRTUAL PART.
THIS DRAWING ALREADY EXISTED IN FOXPRO.
THE MATERIAL LIST HAS BEEN ENTERED**

Rev	AMENDMENTS	Date

PART NO. 100139 - 0

LAST ACESSED: Monday, 20 September 2010

ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE



GLIDER TIE			
Drawn By	Scale	Date	7153
Simon	NTS	25-06-04	SHEET 1 of 1



1.14 *Glider Bag*

- *Drawing # 7149*

ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	103883	WING BAG STREAK, CRUZE, MERLIN	NA	NA	NA
ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	102439	GLIDER BAG EDGE/ WIZARD	NA	NA	NA
ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	103660	GLIDER BAG F160	NA	NA	NA
ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	103412	GLIDER BAG F190	NA	NA	NA
ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	103661	GLIDER BAG F220	NA	NA	NA
ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	101670	GLIDER BAG S/BZ140	NA	NA	NA
ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	101669	GLIDER BAG S/BZ154	NA	NA	NA
ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	103982	GLIDER BAG S175	NA	NA	NA
ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	104380	GLIDER BAG CL13	NA	NA	NA
ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	104381	GLIDER BAG CL14	NA	NA	NA



THIS IS A GROUP OF VIRTUAL PARTS
BILL OF MATERIAL IS NOT CARRIED IN SOLIDWORKS

Rev	AMENDMENTS	Date
1	DCR 2169, ADDED BAGS, CHNG NAME	02/09/05

PART NO. 103883 - 0

LAST ACESSED: Monday, 20 September 2010

ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

SolidWorks

COVER GLIDER BAGS

Drawn By	Scale	Date
Simon	NTS	25-06-04

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AUSTRALIA

7149
SHEET 1 of 1

1.15 Batten Set Alternatives

-

Drawing # 7815

HINGE BATTENS REV 13.5

4000 mm blank length

Batch Size 5

Batten	Bend Co-ordinates	Reqd	Bundle-> Tubes->	1	2	3	4	5	6	7	Made	Batch	To Go	LHS PART No	RHS PART No	ASSEMBLY	
				10	10	10	10	10	10	0						FRONT	REAR
Nose	C-Q	2	1620					1			10	10	0	109989	110004	45 Cut / Spectra	Tip
No 1	D.5-0	2	1805	1							10	10	0	109990	110005	Tip	Thread Insert
No 2	D.75-N.75	2	1755			1					10	10	0	109991	110006	Tip	Thread Insert
No 3	D.5-N.5	2	1695	1							10	10	0	109992	110007	Tip	Thread Insert
No 4	D.25-N.25	2	1630				1				10	10	0	109993	110008	Tip	Thread Insert
No 5	D.5-N.5	2	1555						1		10	10	0	109994	110009	Tip	Thread Insert
No 6	D.25-N.25	2	1485						1		10	10	0	109995	110010	Tip	Thread Insert
No 7	D.M	2	1400			1					10	10	0	109996	110011	Tip	Thread Insert
No 8	E.5-M.5	2	1300		1						10	10	0	109997	110012	Tip	Thread Insert
No 9	E-M	2	1205		1						10	10	0	109998	110013	Tip	Thread Insert
No 10	F.5-N	2	1030				1				10	10	0	109999	110014	Tip	Thread Insert
No 11	F.5-M	2	785			1					10	10	0	110000	110015	Tip	Thread Insert
											0	0	0				
US1		2	1545					1			10	10	0	110001	110016	Tip	Tip / Leach Line
US2		2	1440		1						10	10	0	110002	110017	Tip	Tip / Leach Line
US3		2	1325				1				10	10	0	110003	110018	Tip	Tip / Leach Line
Transverse		4									0	20		109657		Tip	Tip
Glass Tip			865								0	0	0	109683			
Used->				3500	3945	3940	3985	3165	3040	0							
Left->				500	55	60	15	835	960	4000							
waste m->				5000	550	600	150	8350	9600	0	24250	waste total mm					

ASSEMBLY DETAIL

1. CUT 10MM 7075 T6 TUBE TO LENGTH AND DEBURR
 2. BEND USING JIG REFERRING TO APPROPRIATE CO-ORDINATES
 3. SHAPE TO APPROPRIATE PROFILE
 4. INSERT TIP IN FRONT CURVED SECTION
 5. INSERT THREADED PLUG & CRIMP
 6. SCREW HINGE FITTING IN
- THIS DRAWING IS AN EXCEL WORKSHEET

Batten Set Part No: 109677

NOTE: TRANSVERSE AND GLASS TIP PARTS ARE NOT INCLUDED IN BATTEN SET # 109677 BUT ARE ADDED AS PART OF #109608 / #109609.



NOTES:
VIRTUAL PART ONLY.
SEE 7815.XLS FOR DETAILS.

PART NO. 109677 - BATTEN SET REV 13.5 HINGE
PART NO. 110328 - BATTEN SET REV 13.5 STD ALTERNATIVE

NOTE: SEE SHEET 2 FOR LIGHT ALTERNATIVE DETAILS.

Rev	AMENDMENTS	Date
1	DCR 2428 - REV DEV	04-12-09
2	DCR 2450 ADD LIGHT ALTERNATIVES	06-09-10

LAST ACESSED: Monday, 20 September 2010
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

BATTEN SET REV 13.5 HINGE

Drawn By	Scale	Date		7815 SHEET 1 of 2
Simon	1:10	04-12-09		

HINGE BATTENS LIGHT
REV 13.5

Batch Size

5

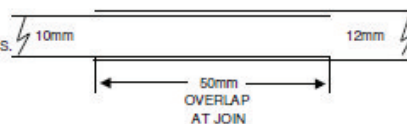
4000 mm blank length

			Final Length	Cut length 10mm 12mm																ASSEMBLY	
Batten	Bend Co-ordinates	Reqd		Bundle-> Tubes->	1	2	3	4	5	6	7	Made	Batch	To Go	LHS PART No	RHS PART No	FRONT	REAR			
Nose	C-Q	2	1620	670 1000	10	10	10	10	10	0	0				110187	110198	45 Cut / Spectra	Tip			
No 1	D.5-0	2	1805	655 1200	1				1			10	10	0	110188	110199	Tip	Thread Insert			
No 2	D.75-0.5	2	1755	605 1200			1					10	10	0	110189	110200	Tip	Thread Insert			
No 3	D.5-0.5	2	1695	545 1200	1							10	10	0	110190	110201	Tip	Thread Insert			
No 4	D.25-O	2	1630	480 1200				1				10	10	0	110191	110202	Tip	Thread Insert			
No 5	D.5-N.5	2	1555	505 1100					1			10	10	0	110192	110203	Tip	Thread Insert			
No 6	D.25-N.25	2	1485	435 1100					1			10	10	0	110193	110204	Tip	Thread Insert			
No 7	D.M	2	1400	450 1000			1					10	10	0	110194	110205	Tip	Thread Insert			
No 8	D-M.5	2	1300	450 900		1						10	10	0	110195	110206	Tip	Thread Insert			
No 9	E-M	2	1205	355 900		1						10	10	0	110196	110207	Tip	Thread Insert			
No 10	F.5-N	2	1030	380 700				1				10	10	0	110197	110208	Tip	Thread Insert			
No 11	F.5-M	2	785	785			1					10	10	0	110000	110015	Tip	Thread Insert			
												0	0	0							
US1		2		1545	1							10	10	0	110001	110016	Tip	Tip / Leach Line			
US2		2		1440		1						10	10	0	110002	110017	Tip	Tip / Leach Line			
US3		2		1325				1				10	10	0	110003	110018	Tip	Tip / Leach Line			
Transverse		4										0	20		109657		Tip	Tip			
Glass Tip				865								0	0	0	109683						
Used->					3945	3240	2985	3225	3200	0	0										
Left->					55	760	1015	775	800	4000	4000										
waste m->					550	7600	10150	7750	8000	0	0	34050	waste total mm								

ASSEMBLY DETAIL

- CUT 10MM & 12MM 7075 T6 TUBE TO LENGTH AND DEBURR.
NOTE: USE USE SHORT 10MM PIECES OF TUBE, IE SCRAP WHERE POSSIBLE.
- ADJUST TOOL #999 TO SUIT THEN JOIN & CRIMP
10MM & 12MM LENGTHS TOGETHER WITH 50MM OVERLAP.
- WARM BEFORE BENDING. BEND USING JIG REFERRING TO APPROPRIATE CO-ORDINATES.
- SHAPE TO APPROPRIATE PROFILE. REFLEX BATTENS 1-4 USING JIG.
- INSERT TIP IN FRONT CURVED SECTION.
- INSERT THREADED PLUG & CRIMP.
- SCREW HINGE FITTING IN.

Batten Set Part No:



NOTE: TRANSVERSE AND GLASS TIP PARTS ARE NOT INCLUDED IN BATTEN SET # 109677 BUT ARE ADDED AS PART OF #109608 / #109609 GLIDER.



NOTES:
VIRTUAL PART ONLY.
SEE 7815.XLS FOR DETAILS.

PART NO. 110209 - BATTEN SET REV 13.5 HINGE LIGHT
PART NO. 110329 - BATTEN SET REV 13.5 HINGE LIGHT ALTERNATIVE

Rev	AMENDMENTS	Date

LAST ACESSED: Monday, 20 September 2010
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

BATTEN SET REV 13.5 HINGE LIGHT

Drawn By	Scale	Date
Stuart	1:10	19-04-10

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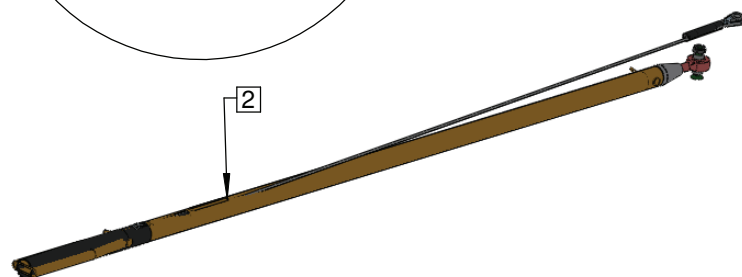
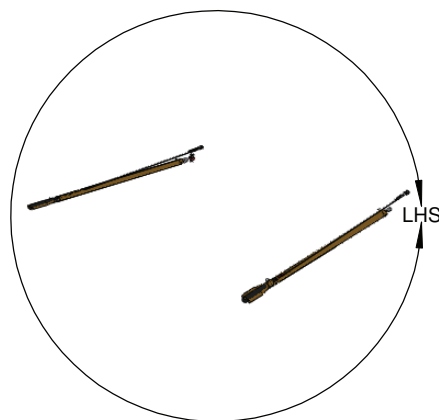
7815
SHEET 2 of 2

1.16 Sprog Set Alternatives

- 1.16.1 Sprog Assembly Aluminium
- 1.16.2 Sprog Assembly Carbon

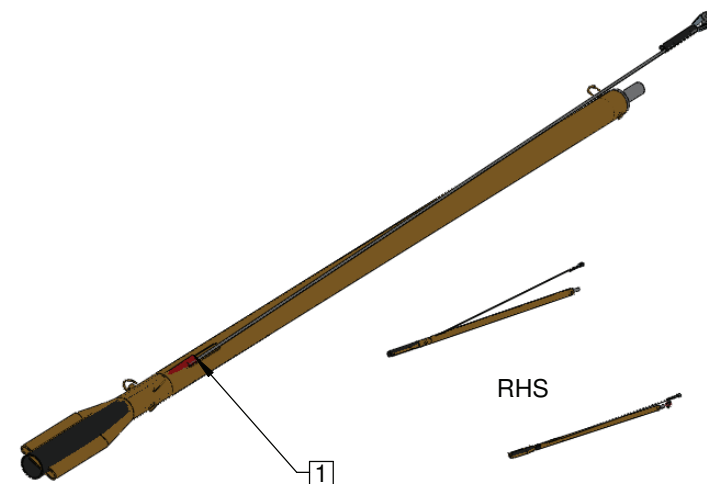
- *Drawing # 8183*
- **Drawing # 7947**
- **Drawing # 8169**

ITEM NO.	NAME	DWG	PART NO.	QTY.
1	SPROG ASM INBOARD AL REV	7947	109688	2
2	SPROG ASM OUTBOARD AL REV	7947	109689	2



DETAIL LHS
SCALE 1 : 6

NOTE:
THESE ARE THE STANDARD LEFT AND RIGHT HAND,
INBOARD AND OUTBOARD SROGS
THAT ARE FITTED UNLESS THE CARBON
ALTERNATIVE AS SHOWN ON PAGE 2 IS
SELECTED.



Rev	AMENDMENTS	Date
1		

PART NO. 110347

LAST ACESSED: Monday, 20 September 2010
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

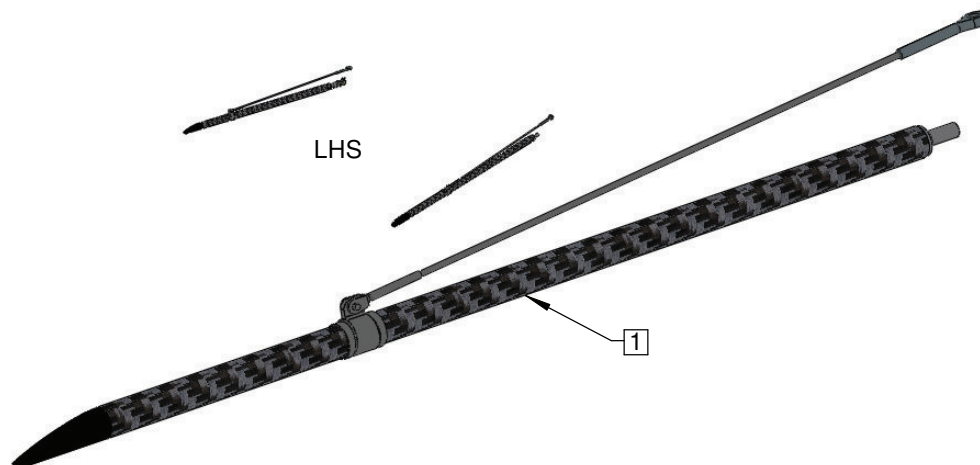
SPROG SET REV 13.5 STD ALTERNATIVE

Drawn By	Scale	Date
Stuart	1:25	15-09-10



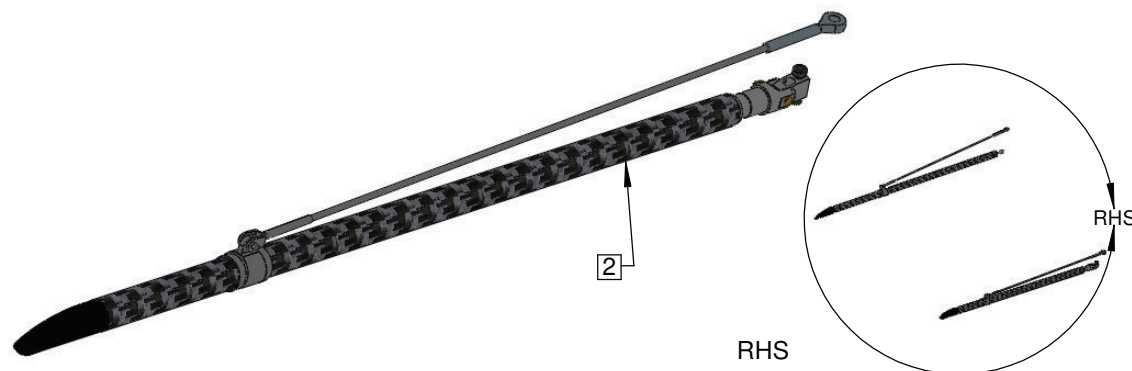
8183
SHEET 1 of 2

ITEM NO.	NAME	DWG	PART NO.	QTY.
1	SPROG ASM INBOARD CARBON REV	8169	110343	2
2	SPROG ASM OUTBOARD CARBON REV	8169	110344	2



NOTE:
THESE ARE THE CARBON
LEFT AND RIGHT HAND,
INBOARD AND OUTBOARD SROGS
THAT ARE FITTED WHEN THE CARBON
ALTERNATIVE IS CHOSEN. PAGE 1 SHOWS
THE STANDARD ALLOY ALTERNATIVE.

DETAIL RHS
SCALE 1 : 5



Rev	AMENDMENTS	Date

PART NO. 110348

LAST ACESSED: Monday, 20 September 2010
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

SPROG SET REV 13.5 CARBON ALTERNATIVE

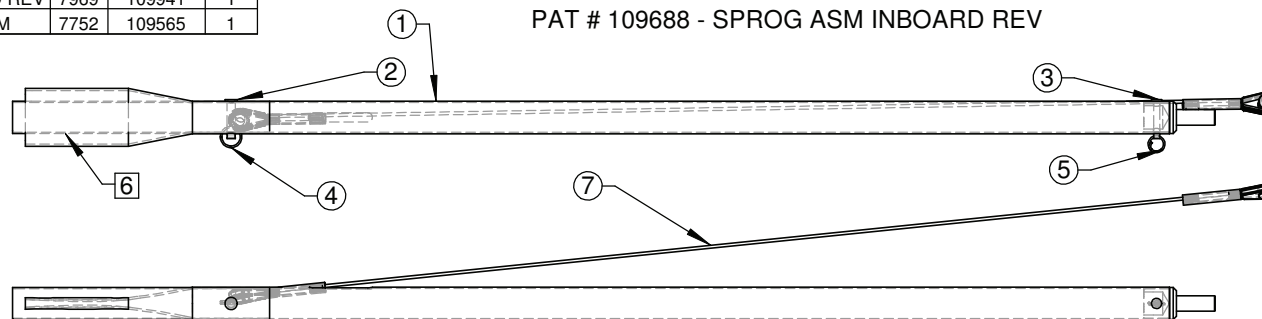
Drawn By	Scale	Date
Stuart	1:25	01-11-07

AirBorne
AUSTRALIA

8183
SHEET 2 of 2

ITEM NO.	NAME	DWG	PART NO.	QTY.
1	SPROG TUBE INBOARD REV	7813	109675	1
2	CLEVIS PIN 1-4" X 1 1-32"	5536	104001	1
3	CLEVIS PIN 3-16" X 1 1-32"	5536	104209	1
4	SPLIT RING 14MM RF686	5720	109756	1
5	SPLIT RING 11MM RF114	5720	100950	1
6	HEATSHRINK CLR 25 X 200	5582	109569	1
7	SPROG WIRE ASM INBOARD REV	7969	109941	1
8	SPROG ADAPTER OD 22.9MM	7752	109565	1

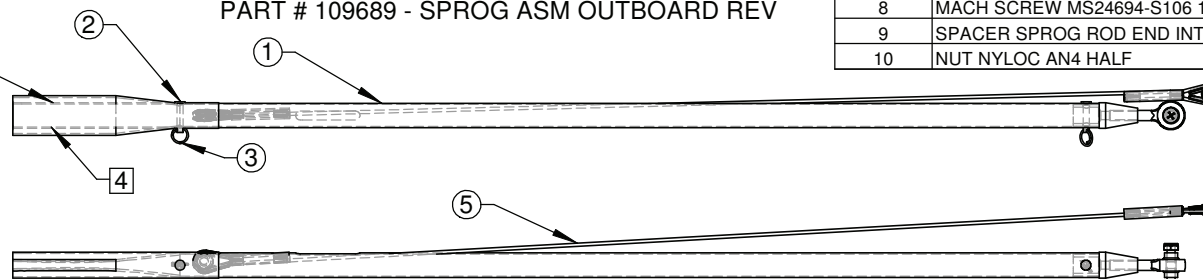
PAT # 109688 - SPROG ASM INBOARD REV



ITEM NO.	NAME	DWG	PART NO.	QTY.
1	SPROG TUBE OUTBOARD REV	7814	109676	1
2	CLEVIS PIN 3/16 X 25/32IN	5536	104210	2
3	SPLIT RING 11MM RF114	5720	100950	2
4	HEATSHRINK CLR 20mm x 160	5582	109938	1
5	SPROG WIRE OUTER REV 13.5	7969	109942	1
6	SPROG CONES 19MM TUBE CLIMAX	4841	104250	1
7	ROD END 5/16IN UNF MALE	5725	104216	1
8	MACH SCREW MS24694-S106 1/4X1 7/32IN	7797	104202	1
9	SPACER SPROG ROD END INTERNAL	7949	104302	2
10	NUT NYLOC AN4 HALF	5561	100035	1

NOTE:
WHEN FITTING HEATSHRINK -
OVERHANG 10MM OVER END.
ONCE SHRUNK, POKE END BACK
INTO TUBE.

PART # 109689 - SPROG ASM OUTBOARD REV



PART NO. 109688
PART NO. 109689

Rev	AMENDMENTS	Date
1	DCR 2428 - REV DEV	13-11-09
2	DCR 2450 ADD LIGHT ALTERNATIVES	06-09-10

LAST ACESSED: Monday, 20 September 2010
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

SPROG ASM INBOARD & OUTBOARD AL REV

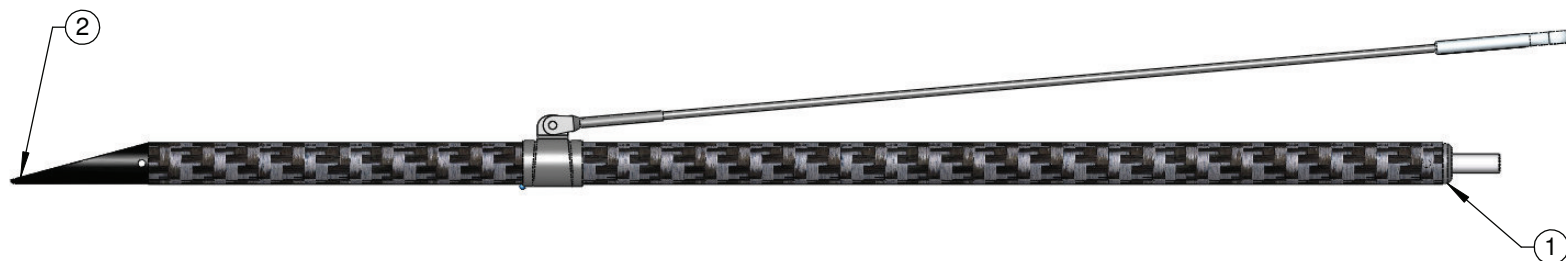
Drawn By	Scale	Date
Simon	1:5	13-11-09

AirBorne
AUSTRALIA

7947
SHEET 1 of 1

ITEM NO.	NAME	DWG	PART NO.	QTY.
1	SPROG SUBASM INBOARD CARBON REV	8164	110330	1
2	SPROG TIP PADDLE ACETAL	8163	110314	1
3	SPROG WIRE ASM INBOARD CARBON REV	8167	110340	1

NOTE:
DRILL SWAGE EYE
TO REMOVE BENDING LOAD ON WIRE
WHEN FITTED.



SEE SHEET 2 FOR OUTBOARD.

Rev	AMENDMENTS	Date
1	DCR 2450 ADD LIGHT ALTERNATIVES	06-09-10

PART NO. 110343

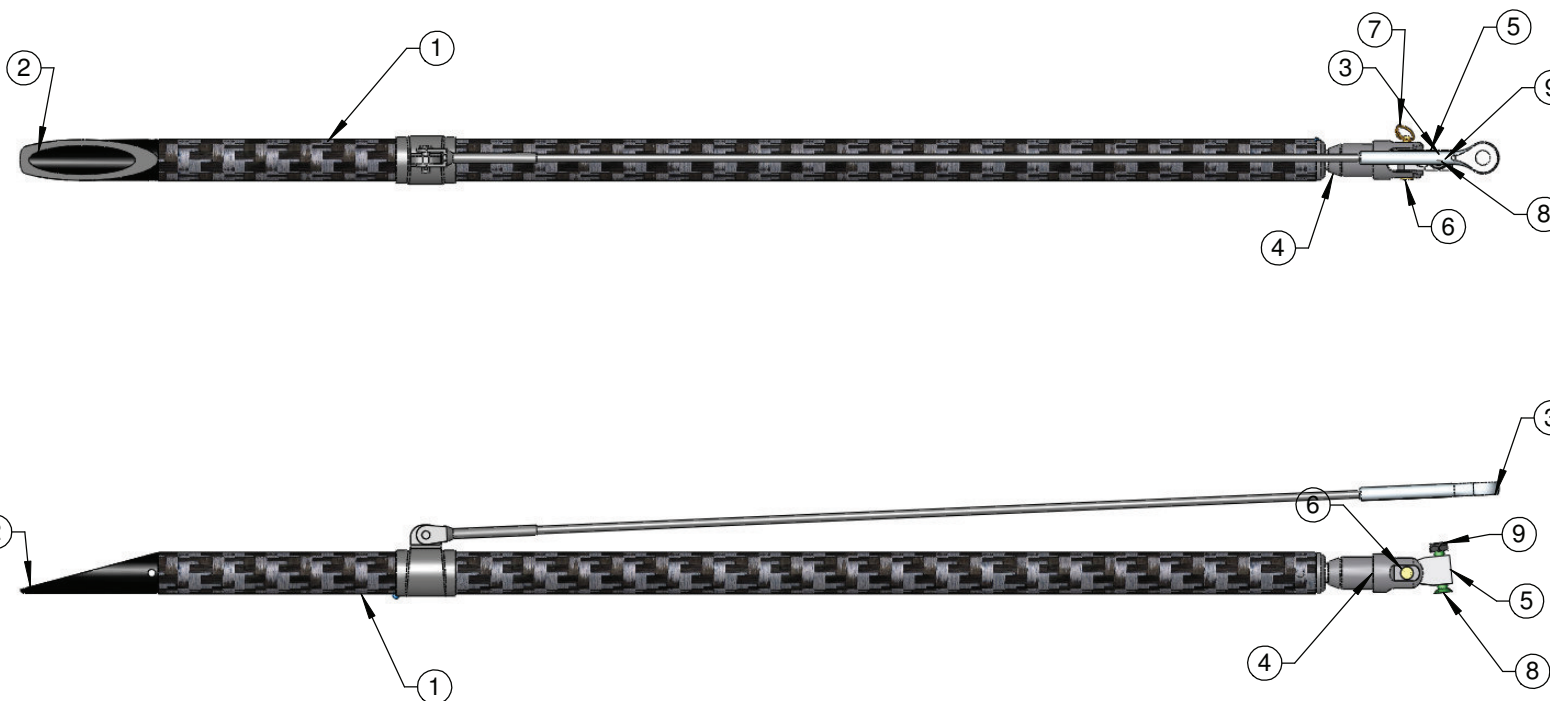
LAST ACESSED: Monday, 20 September 2010
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

SPROG ASM INBOARD CARBON REV			
Drawn By	Scale	Date	8169 SHEET 1 of 2
Stuart	1:4	xx-xx-10	

AirBorne
AUSTRALIA

ITEM NO.	NAME	DWG	PART NO.	QTY.
1	SPROG SUBASM OUTBOARD CARBON REV	8164	110331	1
2	SPROG TIP PADDLE ACETAL	8163	110314	1
3	SPROG WIRE ASM OUTBOARD CARBON REV	8167	110341	1
4	PIVOT SPROG VERTICAL	7728	109512	1
5	PIVOT SPROG HORIZONTAL 33MM	7727	109514	1
6	CLEVIS PIN 3/16 X 29/32IN	5536	104572	1
7	SPLIT RING 11MM RF114	5720	100950	1
8	MACH SCREW MS24694-S106 1/4X1 7/32IN	7797	104202	1
9	NUT NYLOC AN4 HALF	5561	100035	1

NOTE:
DRILL SWAGE EYE
TO REMOVE BENDING LOAD ON WIRE
WHEN FITTED.



Rev	AMENDMENTS	Date

PART NO. 110344

LAST ACESSED: Monday, 20 September 2010
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

SPROG ASM OUTBOARD CARBON REV

Drawn By	Scale	Date
Stuart	1:4	01-11-07

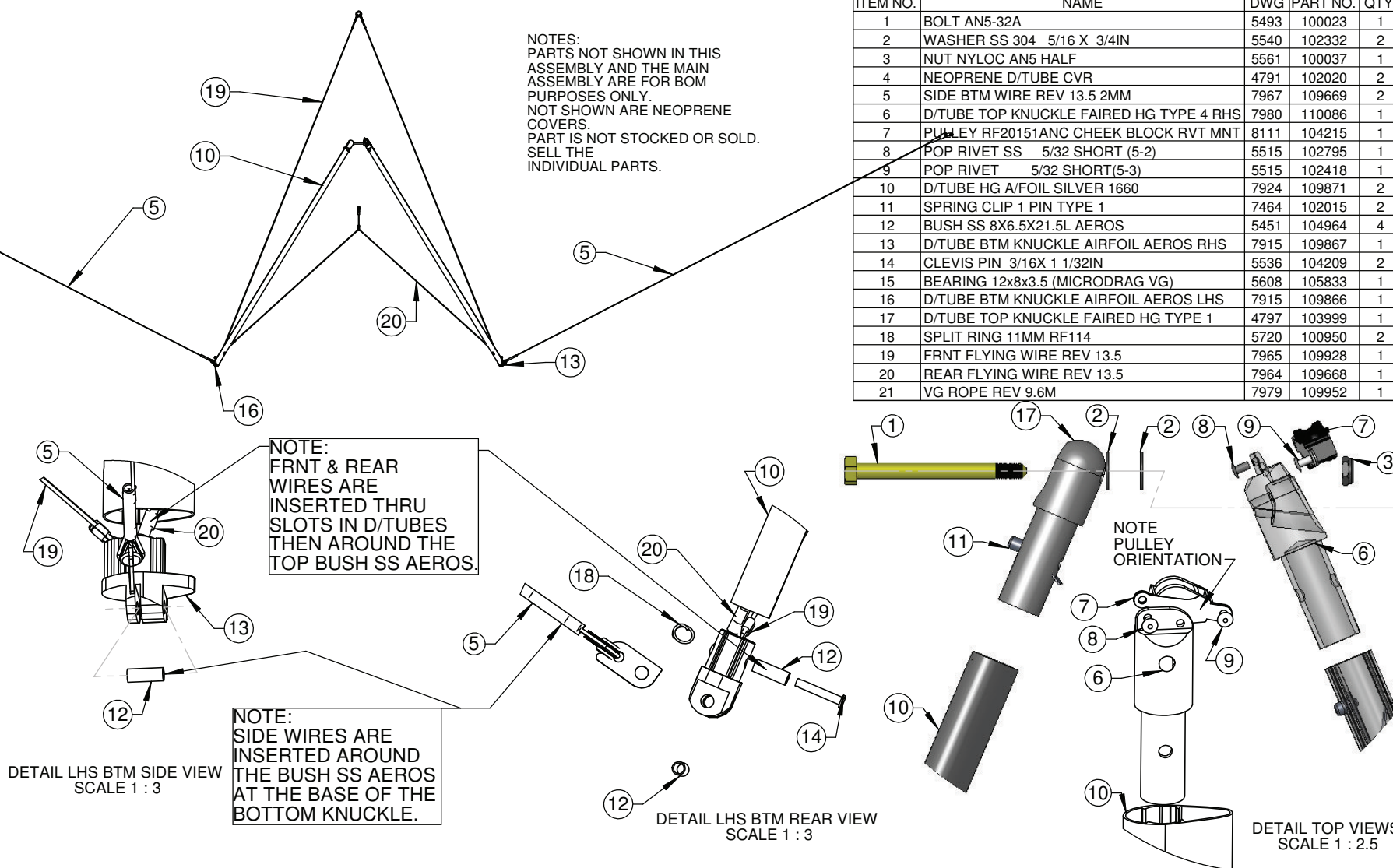
AirBorne
AUSTRALIA

8169
SHEET 2 of 2

1.17 Control Frame Airfoil Assembly - Drawing # 7981

NOTES:
PARTS NOT SHOWN IN THIS
ASSEMBLY AND THE MAIN
ASSEMBLY ARE FOR BOM
PURPOSES ONLY.
NOT SHOWN ARE NEOPRENE
COVERS.
PART IS NOT STOCKED OR SOLD.
SELL THE
INDIVIDUAL PARTS.

ITEM NO.	NAME	DWG	PART NO.	QTY.
1	BOLT AN5-32A	5493	100023	1
2	WASHER SS 304 5/16 X 3/4IN	5540	102332	2
3	NUT NYLOC AN5 HALF	5561	100037	1
4	NEOPRENE D/TUBE CVR	4791	102020	2
5	SIDE BTM WIRE REV 13.5 2MM	7967	109669	2
6	D/TUBE TOP KNUCKLE FAIRED HG TYPE 4 RHS	7980	110086	1
7	PULLEY RF20151ANC CHEEK BLOCK RVT MNT	8111	104215	1
8	POP RIVET SS 5/32 SHORT (5-2)	5515	102795	1
9	POP RIVET 5/32 SHORT(5-3)	5515	102418	1
10	D/TUBE HG A/FOIL SILVER 1660	7924	109871	2
11	SPRING CLIP 1 PIN TYPE 1	7464	102015	2
12	BUSH SS 8X6.5X21.5L AEROS	5451	104964	4
13	D/TUBE BTM KNUCKLE AIRFOIL AEROS RHS	7915	109867	1
14	CLEVIS PIN 3/16X 1 1/32IN	5536	104209	2
15	BEARING 12x8x3.5 (MICRODRAG VG)	5608	105833	1
16	D/TUBE BTM KNUCKLE AIRFOIL AEROS LHS	7915	109866	1
17	D/TUBE TOP KNUCKLE FAIRED HG TYPE 1	4797	103999	1
18	SPLIT RING 11MM RF114	5720	100950	2
19	FRNT FLYING WIRE REV 13.5	7965	109928	1
20	REAR FLYING WIRE REV 13.5	7964	109668	1
21	VG ROPE REV 9.6M	7979	109952	1



PART NO. 109960

Rev	AMENDMENTS	Date
1	DCR 2428 REV DEV	04-12-09
2	DCR 2428 - REV DEV NEW RHS KNUCK	17-03-10

LAST ACESSED: Monday, 20 September 2010
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

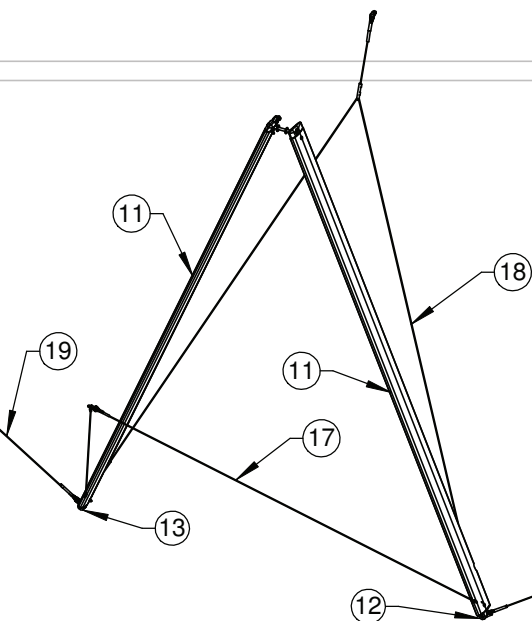
CONTROL FRAME REV 13.5 AIRFOIL PREASM

Drawn By	Scale	Date
Stuart	1:25	04-12-09

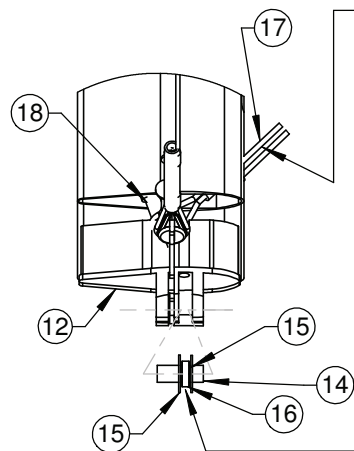
AirBorne
AUSTRALIA

7981
SHEET 1 of 1

1.18 Control Frame Microdrag Assembly - Drawing # 7984

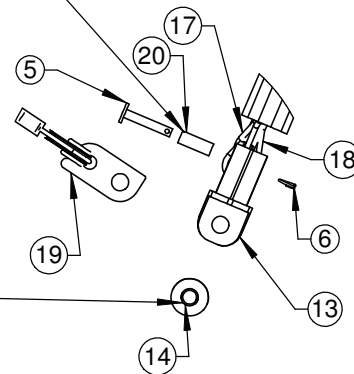


ITEM NO.	NAME	DWG	PART NO.	QTY.
1	POP RIVET 5/32 MED 5-5	5515	100161	1
2	PULLEY RF20151ANC CHEEK BLOCK RVT MNT	7995	104215	1
3	D/TUBE TOP KNUCKLE M/DRAO RHS	7993	104970	1
4	D/TUBE TOP KNUCKLE M/DRAO LHS	7994	104971	1
5	CLEVIS PIN OD3.9X20L	5536	104966	4
6	SPLIT RING 7.5MM SBR1011	5720	104967	4
7	BOLT AN5-33	5493	100024	1
8	WASHER SS 304 5/16 X 3/4IN	5540	102332	2
9	NUT NYLOC AN5 HALF	5561	100037	1
10	NEOPRENE D/TUBE CVR	4791	102020	2
11	D/TUBE HG M/DRAO SILVER TYPE 2 1680	7812	109674	2
12	D/TUBE BTM KNUCKLE M/DRAO LHS	7992	104962	1
13	D/TUBE BTM KNUCKLE M/DRAO RHS	7991	104963	1
14	BUSH SS 8X6.5X21.5L AEROS	5451	104964	2
15	WASHER RED FIBRE 5/16X11/16X1/32IN	5540	106400	2
16	BEARING 12x8x3.5 (MICRODRAO VG)	5608	105833	1
17	FRNT FLYING WIRE REV 13.5	7965	109928	1
18	REAR FLYING WIRE REV 13.5	7964	109668	1
19	SIDE BTM WIRE REV 13.5 2MM	7967	109669	2
20	M/DRAO SS BUSH OD6X15.7L	5451	104965	2
21	VG ROPE REV 9.6M	7979	109952	1



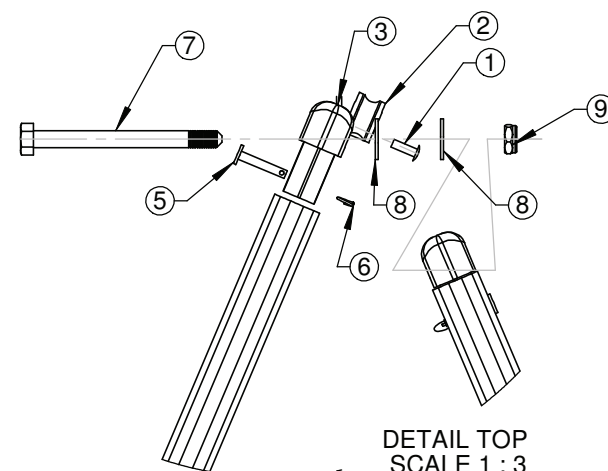
DETAIL RHS BTM SIDE VIEW
SCALE 1 : 3

NOTE:
FRNT & REAR
WIRES ARE
INSERTED THRU
SLOTS IN D/TUBES
THEN AROUND
M/DRAO SS BUSH.



DETAIL RHS BTM FRONT VIEW
SCALE 1 : 3

NOTE:
SIDE WIRES ARE
INSERTED AROUND
BUSH SS AEROS.



DETAIL TOP
SCALE 1 : 3

Rev	AMENDMENTS	Date
1	DCR 2428 REV DEV	18-12-09

PART NO. 109964

LAST ACESSED: Monday, 20 September 2010

ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

C/FAME REV 13.5 M/DRAO FOR ASM

Drawn By	Scale	Date
Stuart	1:20	18-12-09

AirBorne
AUSTRALIA

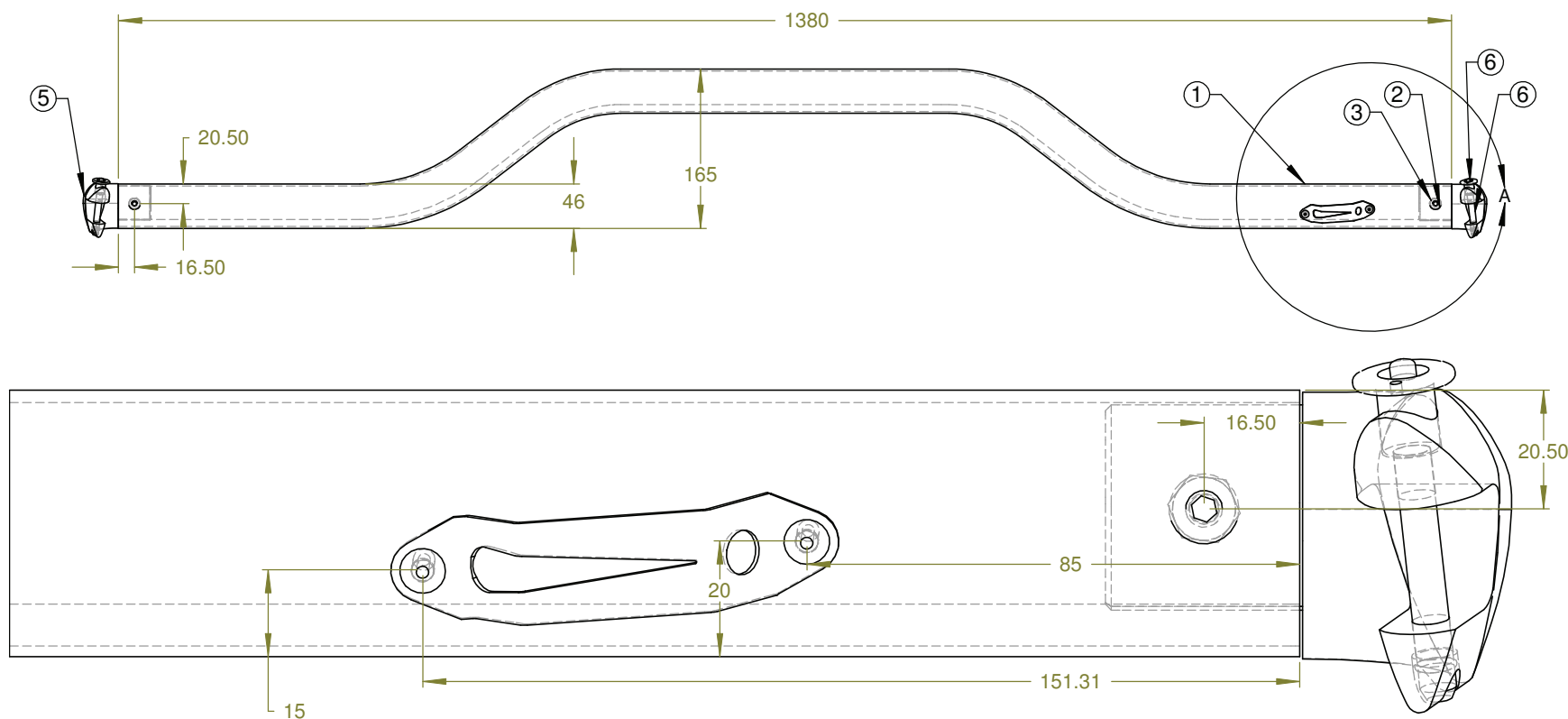
7984
SHEET 1 of 1

1.19 Speed Bar Streamline Alternative - Drawing # 7395

ITEM NO.	NAME	DWG	PART NO.	QTY.
1	SPEED BAR FAIRED - TYPE 2 DRILLED	7404	108553	1
2	SKT CSK SCREW UNF 1-4" x 1"	5568	102062	2
3	NUT NYLOC AN4 HALF	5561	100035	2
4	C/BAR KNUCKLE HG S/LINE RHS TYPE 2	6968	108433	1
5	C/BAR KNUCKLE HG S/LINE LHS TYPE 2	6968	108088	1
6	PIP PIN 38	5719	102146	2

NOTE:

1. THAT THE ORIGINAL SPEED BAR IS SHOWN ON DRAWING A4-4971
2. THIS IS AN ALTERNATIVE AND IS PRICED AS SUCH, IT IS NOT INTENDED TO BE SOLD AS A SPARE PART. SPARES SHOULD BE SOLD AS INDIVIDUAL PART NUMBERS.



DETAIL A
SCALE 1 : 1

Rev	AMENDMENTS	Date

PART NO. 108557

LAST ACESSED: Monday, 20 September 2010
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

SPEED BAR S/LINE 1380 TYPE 2

Drawn By	Scale	Date
Simon	1:6	05-04-07

AirBorne
AUSTRALIA

7395
SHEET 1 of 1

1.20 Speed Bar Carbon Alternative

-

Drawing # 7978

ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	108563	SPEED BAR CARBON ALTERNATIVE	NA	NA	NA

NOTE:
VIRTUAL PART ONLY,
MODELLED FOR BOM PURPOSES ONLY.
REFER PHOTOGRAPH FOR IDENTIFICATION.



Rev	AMENDMENTS	Date
1	DCR 2428 - REV DEV	02-12-09

PART NO. 108563

LAST ACESSED: Monday, 20 September 2010

ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

SPEED BAR CARBON ALTERNATIVE

Drawn By	Scale	Date	AirBorne AUSTRALIA	7978 SHEET 1 of 1
Simon	1:1	2-12-09		

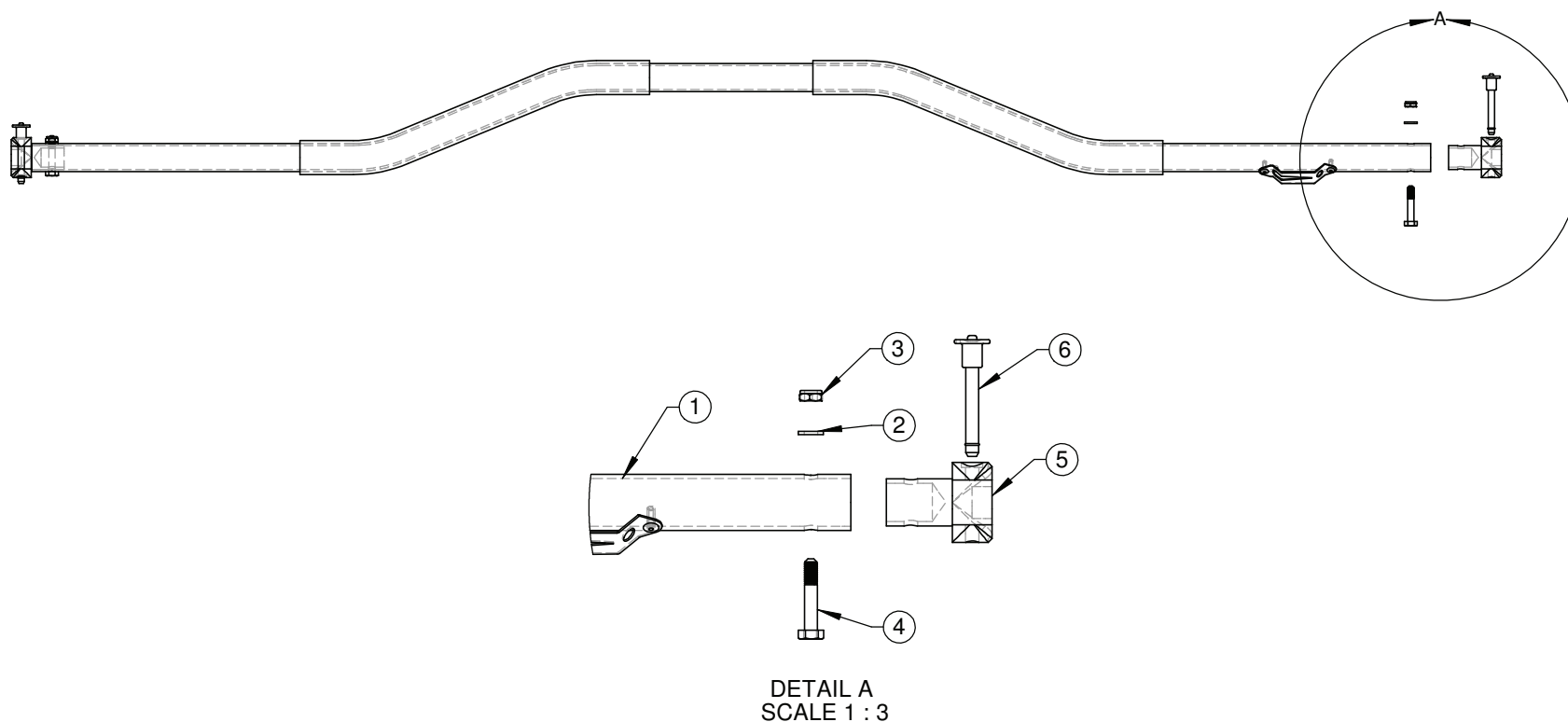
1.21 Speed Bar Round Alternative

-

Drawing # 7489

ITEM NO.	NAME	DWG	PART NO.	QTY.
1	SPEED BAR TYPE 2 1400 WITH CLEAT	7252	101757	1
2	WASHER AN4	5540	100042	2
3	NUT NYLOC AN4 HALF	5561	100035	2
4	BOLT AN4-13 a	5450	101333	2
5	C/BAR KNUCKLE HG ROUND TYPE 3	6967	108087	2
6	PIP PIN 38	5719	102146	2

NOTE:
THIS IS AN ALTERNATIVE AND IS PRICED AS SUCH, IT IS NOT INTENDED
TO BE SOLD AS A SPARE PART. SPARES SHOULD BE SOLD AS INDIVIDUAL
PART NUMBERS.



DETAIL A
SCALE 1 : 3

Rev	AMENDMENTS	Date

PART NO. 108609

LAST ACESSED: Monday, 20 September 2010
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

SPEED BAR ROUND TYPE 2 ALTERNATIVE

Drawn By	Scale	Date
Simon	1:6	07-09-07

AirBorne
AUSTRALIA

7489
SHEET 1 of 1

<i>1.22 Control Frame Covers and Padding</i>	-	<i>Various</i>
1.22.1 Microdrag	-	Drawing # 6943
1.22.2 Streamline	-	Drawing # 6941
1.22.3 Streamline & Carbon Speedbar	-	Drawing # 6942
1.22.4 Airfoil with Round Speedbar	-	Drawing # 6940

ITEM NO.	NAME	DWG	PART NO.	QTY.
1	COVER CLIMAX CAM	6866	107384	2
2	COVER TIP BAG ELASTIC	6500	106481	2
3	BATTEN BAG DOUBLE	6498	106479	1
4	COVER END POUCH HANG GLIDER GREY	4499	102432	1
5	GLIDER TIE	7153	100139	4
6	REAR KEEL COVER CLIMAX II	5264	104823	1
7	COVER CONTROL FRAME TOP HG AND TW	7150	106184	2
8	COVER D/TUBE HG DOUBLE MITT	6948	107779	1
9	COVER C/BAR CARBON	6951	107835	1
10	COVER WASHOUT STRUT GREY	6950	107834	2



10. 2X sTRUT COVERS GREY



2. 2X TIP BAGS



Rev	AMENDMENTS	Date

PART NO. 107812 -

LAST ACESSED: Monday, 20 September 2010

ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

SolidWorks

COVERS PADDING HG MICRODRAG

Drawn By	Scale	Date
Scott B	1:10	24/05/06

AirBorne
AUSTRALIA

6943
SHEET 1 of 1



10. 2X sTRUT COVERS GREY

ITEM NO.	NAME	DWG	PART NO.	QTY.
1	COVER CLIMAX CAM	6866	107384	2
2	COVER TIP BAG ELASTIC	6500	106481	2
3	BATTEN BAG DOUBLE	6498	106479	1
4	COVER END POUCH HANG GLIDER GREY	4499	102432	1
5	GLIDER TIE	7153	100139	4
6	REAR KEEL COVER CLIMAX II	5264	104823	1
7	COVER CONTROL FRAME TOP HG AND TW	7150	106184	2
8	COVER D/TUBE HG DOUBLE MITT	6948	107779	1
9	COVER BASE BAR GREY	6949	107832	1
10	COVER WASHOUT STRUT GREY	6950	107834	2
11	NEOPRENE D/TUBE CVR	4791	102020	2



11. NEOPRENE DT TOP COVERS

2. 2X TIP BAGS



1NOTE BASE BAR
COVER IS GREY

Rev	AMENDMENTS	Date

PART NO. 107810 -

LAST ACESSED: Monday, 20 September 2010

ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

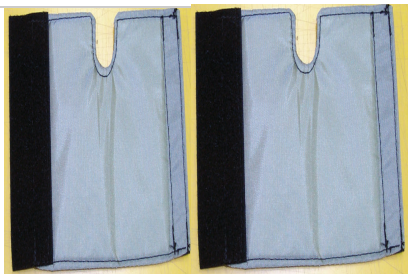
COVERS AND PADDNG HG STREAMLINE

SolidWorks

Drawn By	Scale	Date
Scott B	1:10	25/05/06

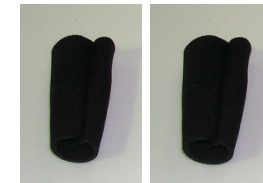
AirBorne
AUSTRALIA

6941
SHEET 1 of 1



10. 2X STRUT COVERS GREY

ITEM NO.	NAME	DWG	PART NO.	QTY.
1	COVER CLIMAX CAM	6866	107384	2
2	COVER TIP BAG ELASTIC	6500	106481	2
3	BATTEN BAG DOUBLE	6498	106479	1
4	COVER END POUCH HANG GLIDER GREY	4499	102432	1
5	GLIDER TIE	7153	100139	4
6	REAR KEEL COVER CLIMAX II	5264	104823	1
7	COVER CONTROL FRAME TOP HG AND TW	7150	106184	2
8	COVER D/TUBE HG DOUBLE MITT	6948	107779	1
9	COVER C/BAR CARBON	6951	107835	1
10	COVER WASHOUT STRUT GREY	6950	107834	2
11	NEOPRENE D/TUBE CVR	4791	102020	2



11 NEOPRENE DT TOP COVERS

2. 2X TIP BAGS



Rev	AMENDMENTS	Date

PART NO. 107811 -

LAST ACESSED: Monday, 20 September 2010

ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

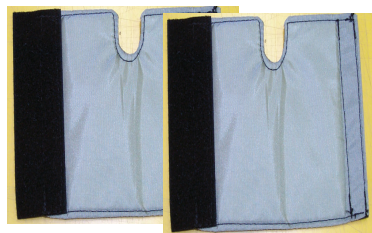
SolidWorks

COVERS PADDING HG STREAMLINE CARBON

Drawn By	Scale	Date
Scott B	1:10	24/05/06

AirBorne
AUSTRALIA

6942
SHEET 1 of 1



10. 2X sTRUT COVERS GREY



11 - 12 NEOPRENE DT TOP COVERS

107809 NOTE THAT THIS ASSEMBLY HAS A GREY BASE BAR COVER AND A HOOK LOOP D/TUBE END COVER



10. 2X sTRUT COVERS GREY



Rev	AMENDMENTS	Date
0	INITIAL ISSUE	11/05/06

PART NO. 107809 - 0

LAST ACESSED: Monday, 20 September 2010

ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

ITEM NO.	NAME	DWG	PART NO.	QTY.
1	COVER CLIMAX CAM	6866	107384	2
2	COVER TIP BAG ELASTIC	6500	106481	2
3	BATTEN BAG DOUBLE	6498	106479	1
4	COVER END POUCH HANG GLIDER GREY	4499	102432	1
5	GLIDER TIE	7153	100139	4
6	REAR KEEL COVER CLIMAX II	5264	104823	1
7	COVER CONTROL FRAME TOP HG AND TW	7150	106184	2
8	COVER HG FRAME BOTTOM	7154	106181	1
9	COVER BASE BAR GREY	6949	107832	1
10	COVER WASHOUT STRUT GREY	6950	107834	2
11	NEOPRENE D/TUBE CVR	4791	102020	2

COVERS&PAD HG AIRFOIL ROUND

Drawn By	Scale	Date
Scott B	1:5	24/05/06

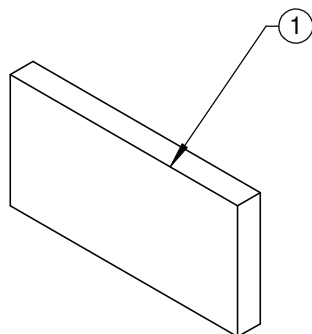


6940
SHEET 1 of 1



1.23Mylar L /E Insert

- *Drawing # 7143*



ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	107168	MYLAR L/E INSERT C4-13	MYLAR FILM 0.35MM X 914MM WIDE	100567	2.2
ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	107169	MYLAR L/E INSERT C4-14	MYLAR FILM 0.35MM X 914MM WIDE	100567	2.5



PART CREATED USING TEMPLATE

NOTE:
BOM INFORMATION FOR ALL HG ERS IS CARRIED IN FOXPRO.

101313 MYLAR L/E INSERT B37 R
101677 MYLAR L/E INSERT BD141
101679 MYLAR L/E INSERT BD153
101680 MYLAR L/E INSERT BZ140/S140
101681 MYLAR L/E INSERT S118
108832 MYLAR L/E INSERT SIII 154

101944 MYLAR L/E INSERT BD132
102725 MYLAR L/E INSERT SK132
102726 MYLAR L/E INSERT SK144
102727 MYLAR L/E INSERT SK156
103992 MYLAR L/E INSERT SII175
107168 MYLAR L/E INSERT C4-13

104372 MYLAR L/E INSERT CL13
104373 MYLAR L/E INSERT CL14
104777 MYLAR L/E INSERT C2-13
104778 MYLAR L/E INSERT CL14II
104940 MYLAR L/E INSERT F220
107169 MYLAR L/E INSERT C4-14

106016 MYLAR L/E INSERT S66/54/BZ54
500138 MYLAR L/E INSERT B55 LHS
500148 MYLAR L/E INSERT B55 RHS
500149 MYLAR L/E INSERT B46 LHS
500150 MYLAR L/E INSERT B46 RHS
107522 MYLAR L/E INSERT C4-13.5

Rev	AMENDMENTS	Date
1	DCR 2193, MOVED C4 MYLARS FROM 6806.	09-11-05
2	ADDED STING III	09-04-08

PART NO. AS PER TABLE

LAST ACESSED: Monday, 20 September 2010

ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

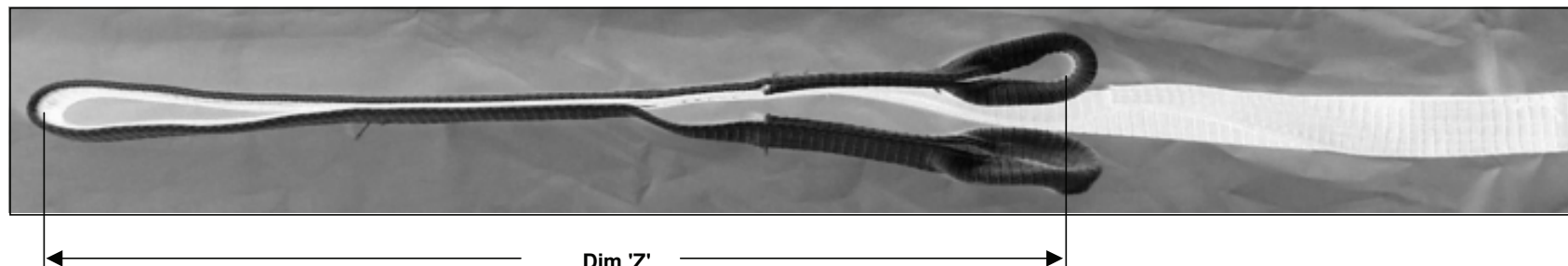
MYLAR L/E INSERT HANG GLIDERS				
Drawn By	Scale	Date		
Matt	1:2	10-05-05		
				7143 SHEET 1 of 1

1.24 Hang Loop Topless

-

Drawing # 4873

CLIMAX Drop Height - SEE DWG 4873



Drop Height	C2-13 Streamline Dim 'Z'	C2-13 Micro-drag Dim 'Z'	C2-14 Streamline Dim 'Z'	C2-14 Micro-drag Dim 'Z'
1250	380	410	470	470
1240	390	420	480	480
1230	400	430	490	490
1220	410	440	500	500
1210	420	450	510	510
1200	430	460	520	520
1190	440	470	530	530
1180	450	480	540	540
1170	460	490	550	550
1160	470	500	560	560
1150	480	510	570	570
1140	490	520	580	580
1130	500	530	590	590
1120	510	540	600	600
1110	520	550	610	610
1100	530	560	620	620

standard

AIRBORNE WINDSPORTS PTY LTD

CLIMAX
HANG LOOP

A4-4873

Rev	AMENDMENTS	Date
2	XL SHEET UPDATE, DIM Z ADDED	02/03/04

ALL DIMENSIONS IN MILLIMETRES
UNLESS STATED OTHERWISE

Drawn By	Scale	Date
SIMON	APPROX 0.15	09/01/01

1.25 Leading Edge Inserts

-

Drawing #7472

ITEM NO.	PART NO.	NAME	MATERIAL DESCRIPTION	MATL. NO.	REQD
1	108692	OPTION CARBON INSERT C4 TYPE1 121	CARBON INSERT BLANK - 2200MM	104866	0.5

ITEM NO.	NAME	DWG	PART NO.	QTY.
1	OPTION CARBON INSERT C4 TYPE2 1880X195	7472	109356	1

TYPE1 1219X228

R25 NOMINAL RADIUS

1219

228

MAKE 2 UNITS FROM ONE BLANK. BLANKS ARE 2438MM LONG.
USE TIN SNIPS TO CUT.
USE GLOVES FOR ALL HANDLING AND CUTTING
APPLY PAPER TAPE TO THE PERIPHERY OF EACH UNIT.
APPLY SILICONE SPRAY TO EDGES PRIOR TO INSERTION IN SAIL.

TYPE2 1880X195

APPLICABLE SERIAL NUMBERS INCLUSIVE OF

C4-13	
C4-13.5	45
C4-14	38

PURCHASED PART NOT MODIFIED. PART NUMBER
USE GLOVES FOR ALL HANDLING
APPLY SILICONE SPRAY TO EDGES PRIOR TO INSERTION IN SAIL.

1880

195

Rev	AMENDMENTS	Date
1	ADD TYPE2, TYPE 1 NOT AVAILABLE	17/08/08

PART NO. 108692 -

LAST ACESSED: Monday, 20 September 2010

ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

SolidWorks

Drawn By	Scale	Date	OPTION CARBON INSERT C4 TYPE1 1219X228	
Scott B	1:10	10/09/07		7472

SHEET 1 of 1

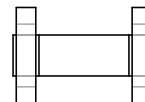
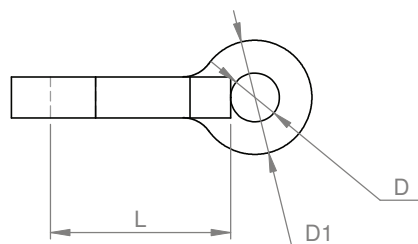
2 MISCELLANEOUS COMPONENTS

WARNING

THE PARTS WHICH ARE REPRESENTED IN THE FOLLOWING DRAWINGS ARE NOT NECESSARILY PART OF THIS AIRCRAFT. SOME PARTS WHICH ARE LISTED ARE COMPONENTS OF PARTS WHICH ARE NOT USER SERVICABLE. ONLY MAINTENANCE WHICH IS SPECIFIED IN THE MAINTENANCE MANUAL SHOULD BE ATTEMPTED AND ONLY THE EXACT SPARE SHOULD BE USED TO REPLACE PARTS. THE FOLLOWING DRAWINGS ARE PROVIDED AS A CONVENIENCE TO AID IDENTIFICATION OF PARTS WHICH ARE USER MAINTAINABLE.

<i>2.1 Dee Shackle Drawing</i>	-	<i>Drawing # 6338</i>
<i>2.2 Batten End Assembly</i>	-	<i>Drawing # 5321</i>
<i>2.3 AN3 Bolts</i>	-	<i>Drawing # 5449</i>
<i>2.4 AN4 Bolts</i>	-	<i>Drawing # 5450</i>
<i>2.5 AN5 Bolts</i>	-	<i>Drawing # 5493</i>
<i>2.6 Socket Cap Screws</i>	-	<i>Drawing # 5668</i>
<i>2.7 AN Nuts Design Table</i>	-	<i>Drawing # 5561</i>

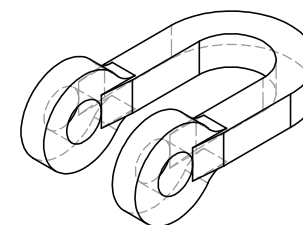
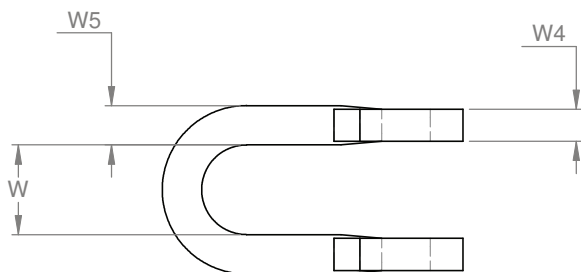
PART NO.	DWG	D	L	W	D1	W4	W5
100406	6338	4	15.5	10	8.9	3	3.2
104305	6338	4.7625	18	11	13.9	3	4
102021	6338	6.35	43	14	14.9	3	4
100067	6338	7.9375	51	30	18.2	3	4
	6338	6.4	22	14		3	4
106315	6338	7.6	28	14	17.75	5	6.1
100954	6338	6.5	23.5	12.2	13.6	2.92	4.34



NOTE FOR MODEL DATA:

SHACKLE DIMENSIONS NOT ACCURATE-
CHECK BEFORE USE IN DESIGN

SHACKLE PIN NOT SHOWN



Rev	AMENDMENTS	Date
1	INSTRUCTIONS FOR MOD MOVED TO DWG 6479	03-06-04

LAST ACESSED: Monday, 20 September 2010

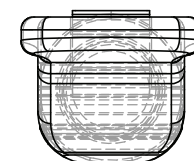
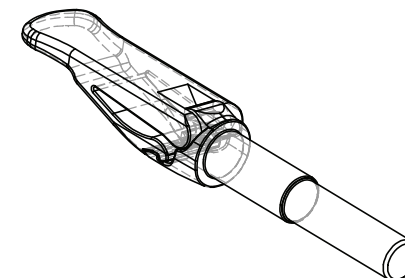
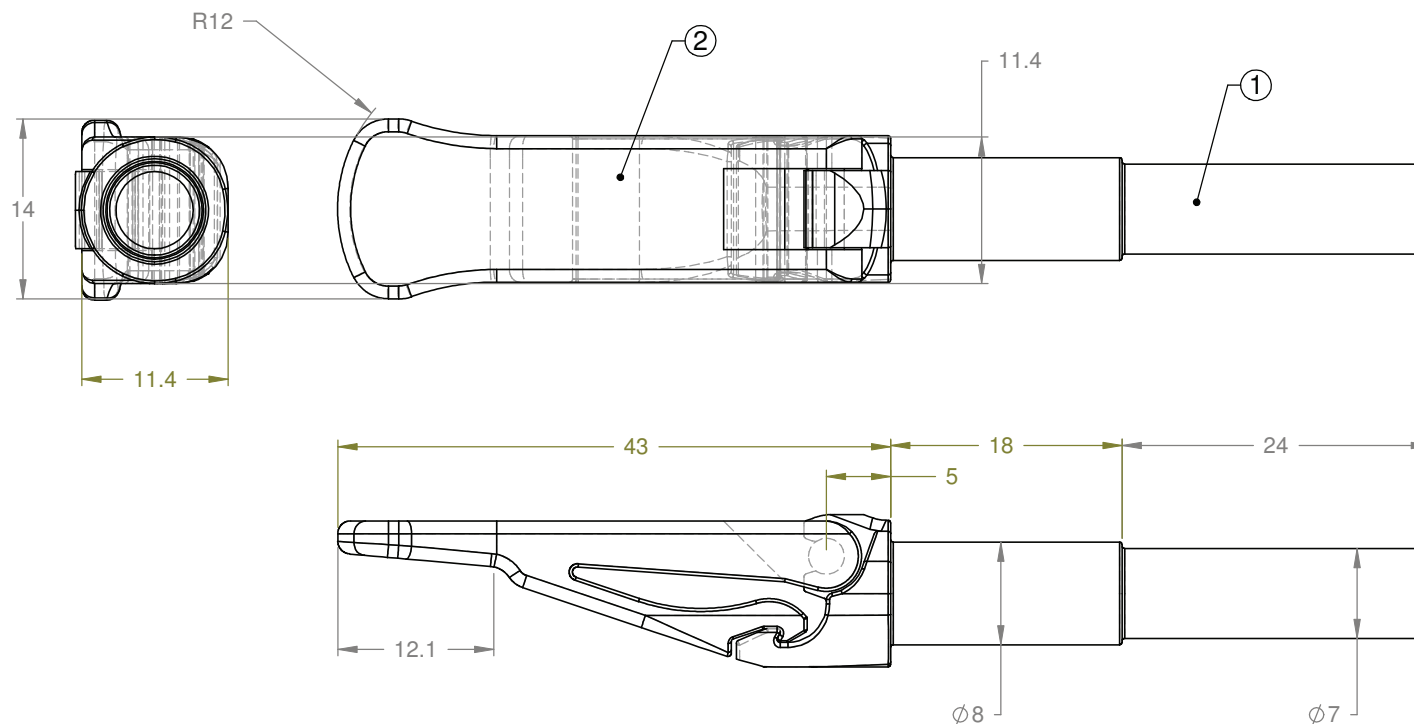
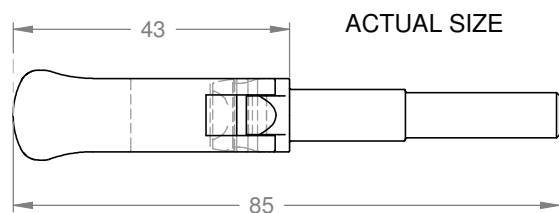
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

SolidWorks

DEE SHACKLES - DESIGN TABLE

Drawn By	Scale	Date	AirBorne AUSTRALIA	6338 SHEET 1 of 1
Cris	1:1	13/10/03		

ITEM NO.	NAME	DWG	PART NO.	QTY.
1	BATTEN END HINGE THREADED CLIP	5343	104976	1
2	BATTEN END HINGE PIVOT BEAK	5342	104977	1



BATTEN END ASM HINGED PUR
PART NO 108707

(PURCHASED NON QA PART TO BE INSPECTED
AS PER ENGINEERING REPORT 07/044 FOR ACCEPTANCE)

BATTEN END HINGE ASM
PART NO. 104975

BATTEN END HINGE ASM

Rev	AMENDMENTS	Date
1	NEW PURCHASED PART NO	31/07/07

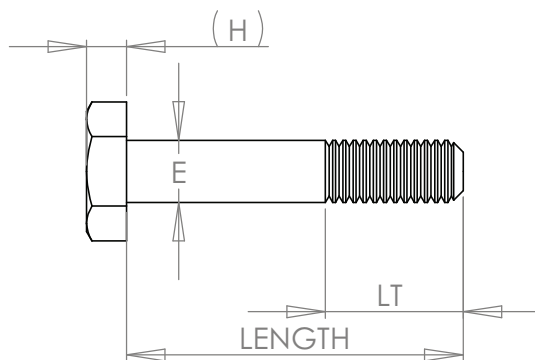
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE



Drawn By	Scale	Date
CRIS	2:1	12/12/02



A4-5321
Sheet 1 of 1



(9.36
CHECK THIS DIMENSION)

DIMENSIONED TO ANSI B18.2.1-1981
STANDARD HEX AND HEAVY BOLTS
TABLE 2. PG# 1049 AND 1047
MACHINERERY'S HANDBOOK 22ND ED
INDUSTRIAL PRESS LTD, NEW YORK.

Design Table for: AN3 hex bolt			
	PART NO.	NAME	SHANK
AN3-10 a	102927	Bolt AN3-10 a	26.2
AN3-11 a	109626	Bolt AN3-11 a	29.4
AN3-12 a	100050	Bolt AN3-12 a	32.5
AN3-13 a	100584	Bolt AN3-13 a	35.7
AN3-14 a	109629	Bolt AN3-14 a	38.9
AN3-15 a	100735	Bolt AN3-15 a	42.1
AN3-21 a	101184	Bolt AN3-21 a	54.8
AN3-23 a	100558	Bolt AN3-23 a	61.1
AN3-30 a	100629	Bolt AN3-30 a	77.0

Rev	AMENDMENTS	Date
1	DCR 2402 - T SERIES DEV	08-04-09

LAST ACESSED: Monday, 20 September 2010
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

AN3 BOLT DESIGN TABLE

Drawn By	Scale	Date
Simon	2:1	02/03/03

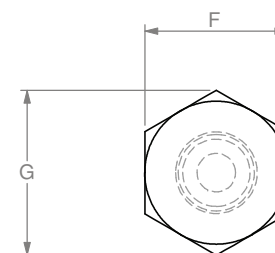
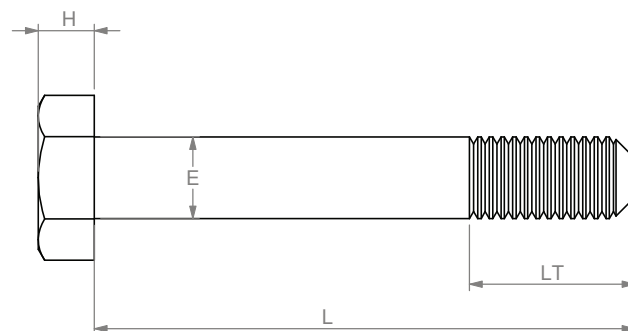
AirBorne
AUSTRALIA

5449
SHEET 1 of 1

Design Table for: hex bolt_an

PART NO.	NAME	LENGTH
100002	BOLT AN4-6	19.84
100001	BOLT AN4-7	23.02
100003	BOLT AN4-11a	29.37
100547	BOLT AN4-12 a	32.54
101333	BOLT AN4-13 a	35.72
100559	BOLT AN4-14 a	38.89
100967	BOLT AN4-15 a	42.07
100004	BOLT AN4-16	45.24
105330	BOLT AN4-20	51.59
100006	BOLT AN4-20 a	51.59
100549	BOLT AN4-22 a	57.94
109929	BOLT AN4-23	61.12
100587	BOLT AN4-24 a	64.29
100009	BOLT AN4-26 a	70.64
100010	BOLT AN4-27 a	73.82
100011	BOLT AN4-30 a	76.99
100631	BOLT AN4-31	80.17
100012	BOLT AN4-32 a	83.34
101363	BOLT AN4-33 a	86.52
100850	BOLT AN4-34a	89.69
100013	BOLT AN4-35 a	92.87
100014	BOLT AN4-36 a	96.04
100713	BOLT AN4-40 a	102.39
102273	BOLT AN4-41 a	105.57
103668	BOLT AN4-42 a	108.74

DIMENSIONED TO ANSI B18.2.1-1981
STANDARD HEX AND HEAVY BOLTS
TABLE 2. PG# 1049 AND 1047
MACHINERERY'S HANDBOOK 22ND ED
INDUSTRIAL PRESS LTD, NEW YORK.



Rev	AMENDMENTS	Date
1	DCR 2428 - REV DEV ADD 109929	20-11-09

ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

AN4 BOLT - DESIGN TABLE

Drawn By	Scale	Date
Simon	2:1	21/03/03

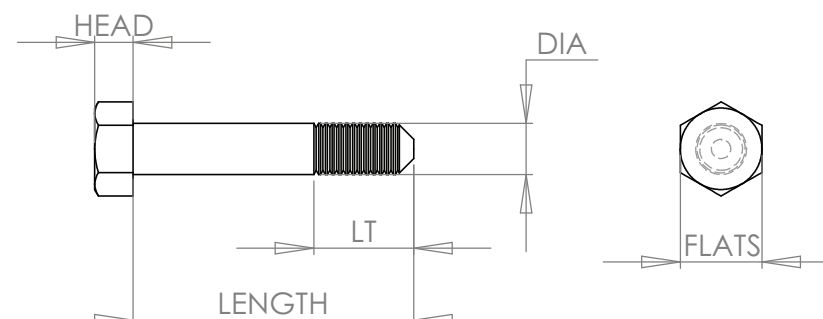


5450
SHEET 1 of 1

Design Table for: AN5 hex bolt an

PART NO.	NAME
102743	BOLT AN5-11
109637	BOLT AN5-14
100015	BOLT AN5-15 a
100553	BOLT AN5-16 a
109630	BOLT AN5-16
103296	BOLT AN5-17
101244	BOLT AN5-17 a
100016	BOLT AN5-20 a
100819	BOLT AN5-21 a
100017	BOLT AN5-22 a
100019	BOLT AN5-25 a
100588	BOLT AN5-26
104713	BOLT AN5-26 a
100020	BOLT AN5-27 a
100021	BOLT AN5-30 a
100022	BOLT AN5-31 a
100023	BOLT AN5-32 a
100024	BOLT AN5-33
100025	BOLT AN5-34 a
100026	BOLT AN5-36 a
106618	BOLT AN5-36
100027	BOLT AN5-37
100028	BOLT AN5-40 a
100965	BOLT AN5-41 a
109628	BOLT AN5-44 a
104500	BOLT AN5-46
100029	BOLT AN5-46 a
100960	BOLT AN5-53 a
100420	BOLT AN5-56 a
100018	BOLT AN5-24A

DIMENSIONED TO ANSI B18.2.1-1981
STANDARD HEX AND HEAVY BOLTS
TABLE 2. PG# 1049 AND 1047
MACHINERERY'S HANDBOOK 22ND ED
INDUSTRIAL PRESS LTD, NEW YORK.



PARTS WITH AN X BESIDE MAY NOT BE STOCKED BY AIRBORNE.
THIS TABLE DOES NOT INCLUDE ALL PARTS THAT HAVE BEEN
MADE OBSOLETE. CHECK FOR EXISTING OBSOLETE PARTS PRIOR TO
ALLOCATING NEW PART NUMBERS.

Rev	AMENDMENTS	Date
1	NAME CHANGED TO MATCH FP	19/10/04
2	AN5-24A BOLT ADDED DCR 2243	27/04/06
3	DCR 2402 - T SERIES DEV	08-04-09

LAST ACESSED: Monday, 20 September 2010
ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

AN-5 BOLT DESIGN TABLE

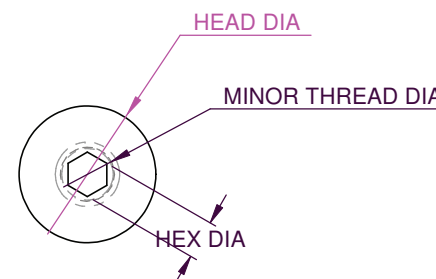
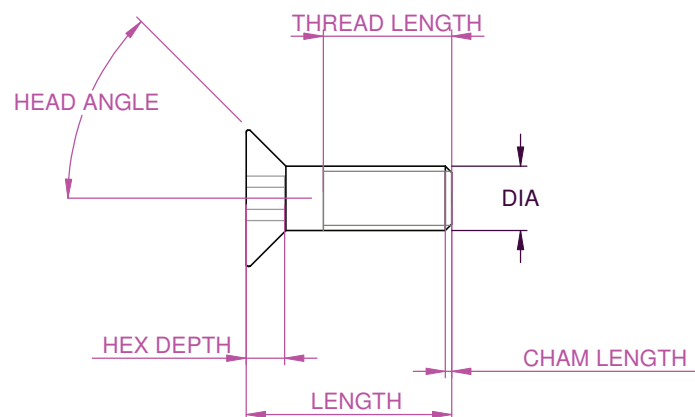
Drawn By	Scale	Date
Simon	1:1	02/03/03

AirBorne
AUSTRALIA

5493
SHEET 1 of 1

Design Table for: 5668

PART NO.	NAME	DIA	HEAD DIA	HEAD °	LENGTH	CHAM LENGTH	HEX DIA	HEX DEPTH	THREA D L	THREAD MINOR DIA	MATERIAL	MATL NO.
106344	SKT CSK SCREW M5x16 SS	5	11.2	45	16		3		10	4.2	NA	NA
105453	SKT CSK SCREW M6x45	6	13.44	45	45	0.5	4	3	35	5	NA	NA
101823	SKT CSK SCREW BSW 2.5x0.25"	6.35	11.4	45	2.5*25.4	0.5	4	3	32	4.8	NA	NA
105997	SKT CSK SCREW BSW 1-4" MOD 58L	6.35	11.4	45	58	0.5	4	3	23	4.8	SKT CSK SCREW BSW 2.5x0.25"	101823
106319	SKT CSK SCREW BSW 1-4" MOD 47L	6.35	11.4	45	47	0.5	4	3	23	4.8	SKT CSK SCREW BSW 2.5x0.25"	101823
102062	SKT CSK SCREW UNF 1-4" x 1"	6.35	12.5	40	25.4	0.5	4	3	19	4.8	NA	NA
102063	TOW RELEASE FIXING SCREW	6.35	10.35	40	24.25	0.5	4	2	19	4.8	SKT CSK SCREW UNF 1-4" x 1"	102062
109488	SKT CSK SCREW UNF 1-4IN X1IN BLACK	6.35	12.5	40	25.4	0.5	4	3	19	4.8	SKT CSK SCREW UNF 1-4" x 1"	102062
106275	SKT CSK SCREW M6x16 SS	6	13.44	45	16	0.5	4	3	10	5	NA	NA



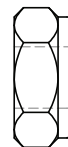
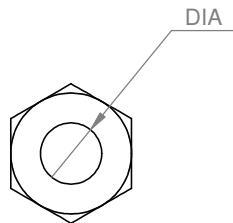
Rev	AMENDMENTS	Date
1	UPDATED AND REMOVED PARTS WITH NO PART NUMBERS IN THE SYSTEM	04-06-04
2	ADDED 109488	21-11-08
3	ADDED 102063 FROM A4-4414	11-08-10

LAST ACESSED: Monday, 20 September 2010

ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

SKT CAP SCREW COUNTERSINK - DESIGN TABLE

Drawn By	Scale	Date	AirBorne AUSTRALIA	5668
Cris	2:1	22/05/03		SHEET 1 of 1



THESE NUTS ARE MODELLED FROM
THE EXISTING PARTS, AND MAY NOT BE
FULLY DIMENSIONALLY ACCURATE.

Design Table for: 5561	
PART NO	NAME
101334	NUT NYLOC AN3 HALF
100035	NUT NYLOC AN4 HALF
100037	NUT NYLOC AN5 HALF
100039	NUT NYLOC AN6 HALF

Rev	AMENDMENTS	Date

PART NO.

LAST ACESSED: Monday, 20 September 2010

ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE

AN NUTS HALF NYLOC - DESIGN TABLE

Drawn By	Scale	Date		5561 SHEET 1 of 1
Cris	2:1	05/05/03		

END OF CATALOGUE