

Aero Twin, Inc. Single Place Folding Seat

P/N DFS4T

TSO C127a

**INSTRUCTIONS FOR CONTINUED
AIRWORTHINESS**

Document No. DFS4-ICA-T


Component Maintenance Manual
Airworthiness Limitations
Illustrated Parts List

Original Issue

Date: June 5, 2005

FAA Approved

[Signature]

LOG OF REVISIONS			
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1.0 Maintenance Manual

Aero Twin, Inc. Single Place Folding Seat, P/N DFS4T

1.1 Description

The Aero Twin single place folding seat is designed for quick and simple installation or removal, and compact storage when not in use. The seats are designed to work with standard seat track conforming to specification MS33601 and are produced in a right and left side version.

The basic structure of the seat is a welded 4130 steel tube frame. The seat back and legs fold for storage. Two lower diagonal arms, each hinged at one end and equipped with a quick-release fitting at the other, provide primary structural support for the installed seat. The seat pan is rubber-impregnated high-strength fabric attached to the seat frame with aluminum inserts and steel screws. The seat back cover is of the same material; it slides over the seat back frame and is secured with nylon straps. Lap belts attached to the pan frame and shoulder harnesses attached to the aircraft fuselage provide occupant restraint. The left side seats have the shoulder harness on the left hand side of the seat back and the right side versions have them on the right hand side. The seat is equipped with four identical anti-rattle type track fittings that engage the seat tracks. A two-piece padded upholstery cover is supplied with each seat; this slides over the seat pan frame and back and is secured with Velcro® strips. The seat is identified by a data plate permanently attached to the lower crosstube on the seat back. The data plate lists the name and address of the manufacturer; the name, type, and part number of the seat; the serial number of the seat; and the TSO number (C127a) for the seat. Additionally, the seat back cushion is identified by an auxiliary data plate attached to the lower left corner of the back side of the cushion cover. Similarly, an auxiliary data plate is attached to the left side of the rear face of the bottom seat cover. These auxiliary data plates list the manufacturer's name, the seat cushion part number and the TSO number (C-127a).

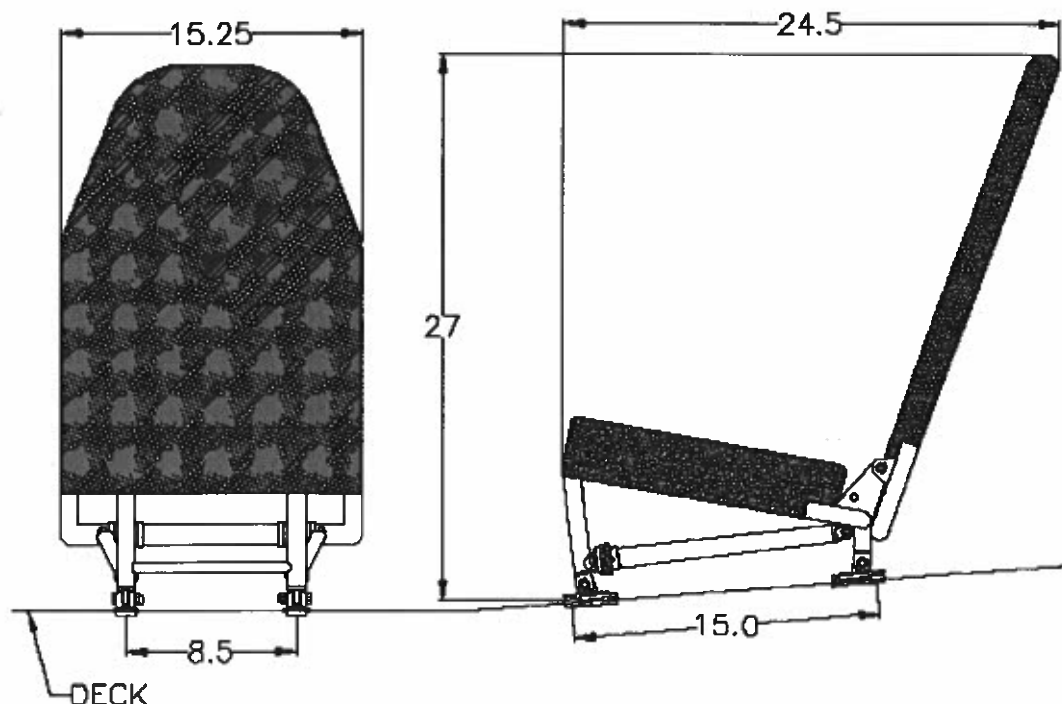


Figure 1.1.1 Basic Seat Dimensions

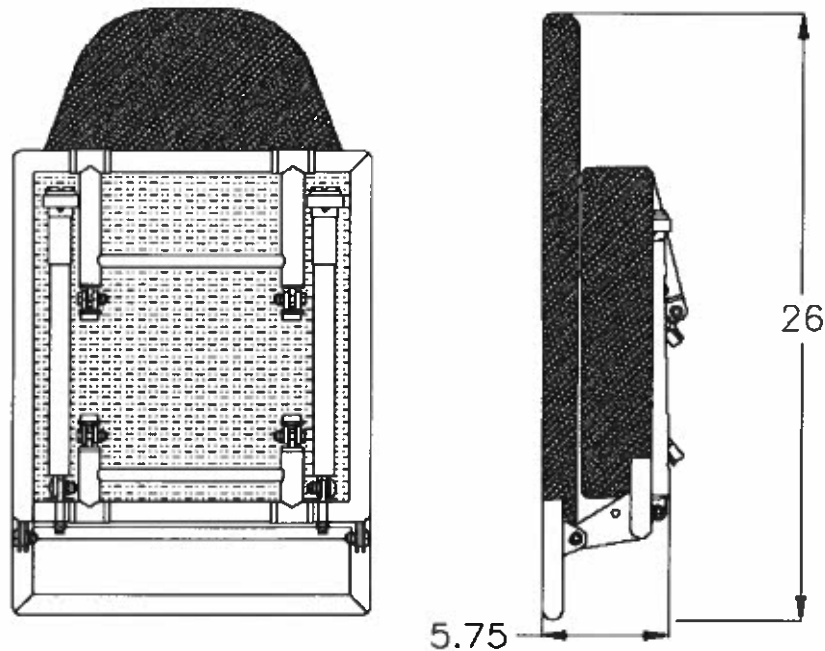


Figure 1.1.2 Folded Seat Dimensions

1.2 Installation / Removal

NOTE: This seat is certified for forward-facing installation only.

This section describes general installation procedures; for information on allowable interior configurations, and corresponding weight and balance data see Section 1.4.

NOTE: Seats with the shoulder harness attached on the left side of fuselage may be installed on the left side of the airplane only. Seats with the shoulder harness attached on the right side of the seat back may be installed on the right side of the airplane only. The following part numbers apply:

Left Seat P/N:	DFS4T-L
Right Seat P/N:	DFS4T-R

1.2.1 Setup and Installation (see Figure 1.2.1):

1. Unfold forward leg and lower diagonal arms. On each quick-release fitting, push in the retaining pin and retract the locking ring (see detail in Figure 1.2.1). Position the diagonal arms to align fittings with studs on forward leg. Push forward leg back to engage studs, then extend locking rings to close jaws.

Be sure jaws close completely and retaining pins pop out to the extended (locked) position - Failure to properly engage studs and lock fittings could result in seat collapse.

2. Unfold rear leg and position the seat over the rear seat foot attachment fitting. Drop the forward feet into the forward seat attachment fittings (locking lugs must be in the retracted position), slide forward or aft 1/2 inch, and push the locking lugs down to lock the forward feet into the front floor fittings.
3. Extend the rear legs aft to the built-in rotation stop, then move legs forward until aft feet can drop into the floor fittings. Slide feet aft 1/2 inch and push locking lugs down to lock feet in track. The rear leg foot retainers may be oriented with the locking lugs either in front of or behind the rear seat leg to provide adequate space for accessing the locking plungers on the retainers. When the locking lugs are in front of the seat leg and the legs are properly positioned in the seat track, the locking lugs on the rear legs should be 14 inches aft of the forward feet locking lugs. If the retainers on the rear legs are reversed, with the locking lug behind the seat leg, this distance is increased to 15 inches, when properly position in the seat track.
4. The feet are equipped with anti-rattle devices. Use is optional. To use the anti-rattle feature, tighten the screw in the anti-rattle device until the stirrup is drawn snug against the seat track.
5. Fold seat back to full upright position.
6. Update aircraft weight and balance to account for seat installation (see Section 1.4).

1.2.2 Removal / Breakdown:

1. Release anti-rattle feature on each of four feet (if feature is utilized).
2. Lift the rear feet locking lugs (a tool designed for this purpose is available from Aero Twin, Inc.). Slide the feet forward 1/2 inch and lift the feet from the fixed floor attachment fittings.
3. Repeat step 2 for the forward feet. Remove seat from floor attachment fittings.
4. Push in the retaining pins and retract the locking rings of the lower diagonal arm quick-release fittings. Disengage the forward leg studs from the fittings.
5. Fold the rear legs up, then the forward legs. Fold the arms into position alongside the forward legs.
6. Fold the seat back down.

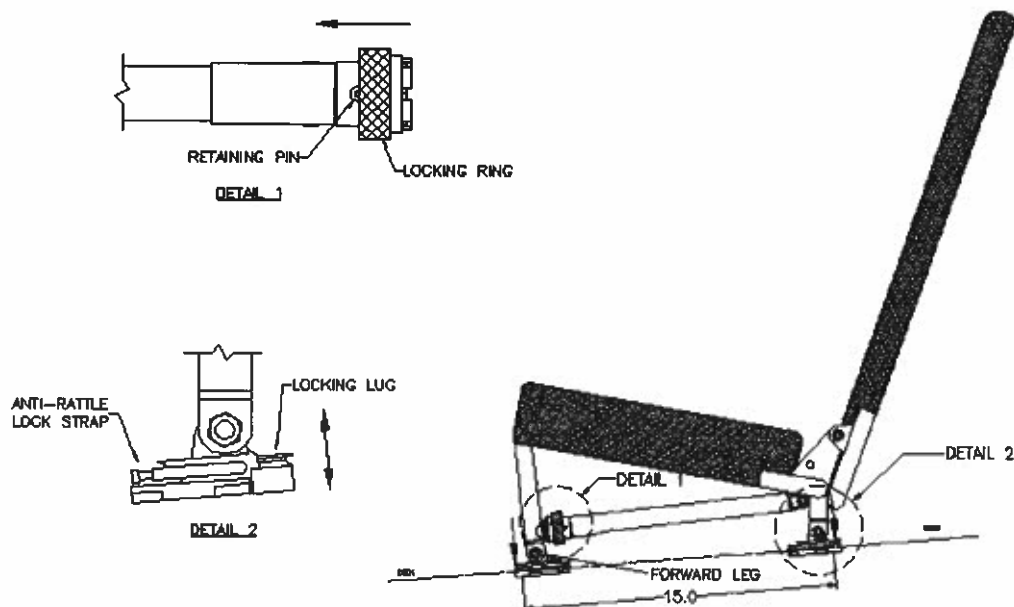


Figure 1.2.1 Seat Installation

1.3 Storage

A protective storage bag is available for these seats. For long-term storage it is recommended that the seat be placed in its protective bag. During storage the seats should be kept in a dry location away from any direct heat source.

The seats can be stacked up to six-deep in storage. Do not stack more than 100 lb. on top of a folded seat. Prior to installing a seat which has been in storage for an extended period, inspect and lubricate the seat in accordance with a 1000 hr/Annual inspection, as described in section 2.1.1.

1.4 Weight and Balance

When seats are installed or removed, the aircraft empty weight and balance must be updated to reflect the configuration change.

1. Record the fuselage station where the forward feet locking lugs of each installed seat are located (see sub-section 1.2 above).
2. Add all the recorded fuselage stations then divide the sum by the number of seats. Add 11.7 to the quotient. The result is the arm of the complete seat installation.
3. Multiply the number of seats by the appropriate individual seat weight. The result is the total weight of the seat installation.
4. Multiply the weight by the arm to arrive at the total moment of the installed seats.

Weight of one DFS4T seat assembly: 18 pounds

This includes all cushions and upholstery, which must be installed on the seat at all times when the aircraft is in operation.

For calculating weight and balance, individual seat center of gravity location is 11.7 inches aft of the forward feet locking lugs. An occupant's center of gravity can be assumed to be 8.9 inches aft of the forward feet locking lugs. (See Figure 1.4.2)

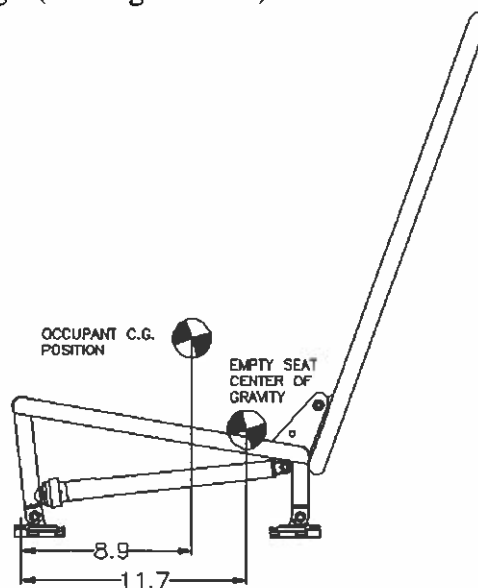


Figure 1.4.2
Seat Center of Gravity

Note: Seat spacing may not be less than 38 inches. The backrest of a seat may not be less than 38 inches from any obstructing object in front of the seat (see Fig. 1.4.3).

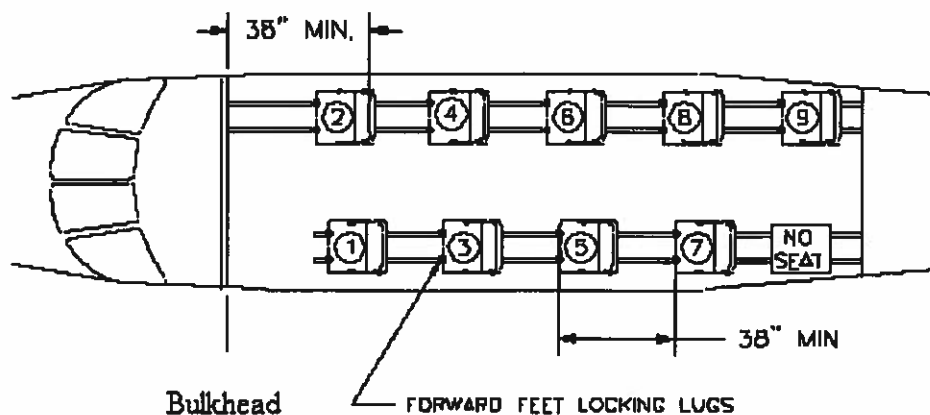


Figure 1.4.3

Typical Seat Locations and Spacing Requirements

1.5 Maintenance Instructions

1.5.1 General:

The Aero Twin Single Place Folding Seat is designed to be highly durable and fairly maintenance free. However, a maintenance program has been established, in accordance with Appendix G of 14 CFR Part 23, to assure the continued airworthiness of the seats. Adherence to the established plan is mandatory and records of performance of required inspections and maintenance must be maintained. See Section 2.0, Airworthiness Limitations, for required maintenance items and intervals.

1.5.2 Cleaning:

1.5.2.1 Upholstery:

- For general dust and light dry soiling, vacuum upholstery thoroughly, and or brush with a clean stiff bristle brush. Avoid beating fabric as this can hasten wear and does not effectively clean the upholstery. Use of commercially available upholstery shampoo will remove most soil encountered in normal service. Follow product directions.
- For oil or grease stains, solvent-type cleaning agents can be effective. Test a small inconspicuous area of the fabric first. Use solvent-type agents sparingly, without saturating fabric. Apply with a clean soft cloth and work from the edge of the stain towards the center to avoid spreading. Observe appropriate safety precautions when using any solvent agent.
- For heavy, saturating stains (coffee, vomit, etc.) the upholstery cover should be removed and commercially dry-cleaned.

1.5.2.2 Seat Track:

The track should be kept clean, as dirt and contaminants can wear on the track and cause difficulty in installing and removing hardware. Cleaning may be done in a variety of ways as long as chemicals or tools used do not corrode or wear down the track.

1.5.2.3 Herculite fabric (seat pan and seat back cover):

Clean the Herculite fabric components using mild soap and water solution or a commercial vinyl cleaner. For heavy grease or oil stains, a diluted solution of Simple Green or equivalent cleaning solution can be used. Avoid excessive wetting of the fabric when installed on the seat, as moisture can collect between the fabric and tube structure and promote corrosion.

1.5.2.4 Metal Parts:

Moisten a clean soft cloth with a solvent-type cleaner or undiluted Simple Green or equivalent; thoroughly wipe metal parts completely clean. Wipe dry with a clean dry cloth. After heavy cleaning over or near lubricated joints, relubricate as appropriate.

1.5.3 Lubrication and Corrosion Prevention:

The hinged leg connections to the seat frame are areas that must be kept well lubricated and protected from moisture. *Corrosion X*[™] is a product that is well suited to this dual purpose. This product is available from Aero Twin, Inc., or your local aviation supplier. Other commercial products are available that will perform well. WD-40 is not recommended, as its moisture displacement properties are inadequate.

The required maintenance procedures for the seat include lubrication and internal treatment of the steel tubes at specific intervals. The seat should also be lubricated if it is subjected to heavy moisture for any reason, or after thorough cleaning of the metal frame.

- To lubricate the rotating and sliding joints, spray lubricant into the joint while rotating or sliding the fitting (avoid over spray on the upholstery cover by first pulling the cover back from the joint). Wipe off all excess lubricant with a clean dry cloth.
- To internally treat the steel tubes, the upholstery cover and Herculite fabric seat pan and seat back cover should be removed. Using a small nozzle, spray *Corrosion X*[™] (or equivalent) into all available holes. Allow the frame to sit for several minutes to allow excess to drain as it may, then wipe off all external surfaces with a clean, dry cloth. Reassemble seat.
- If the painted surface of the steel tube structure is marred in service or during handling, the affected area should be repainted to prevent corrosion. See instructions in section 1.5.5.3.

1.5.4 Disassembly / Assembly:

1.5.4.1 Disassembly:

- To remove the padded upholstery backrest cover, the shoulder harness must be removed. Pull the flap free from the Velcro® strips on the lower part of the back rest, then slide the cover up and off the back.
- To remove the seat cushion and upholstery: disconnect the 3 flaps from the Velcro® strips on the sides and front of the seat pan. Pull the cushion and upholstery forward off the pan.
- To remove the Herculite seat back cover, loosen and release the strap buckles on the aft side of the seat, then slide the cover off of the seat back frame.
- To remove the Herculite seat pan, remove the screws from the underside of the seat frame.
- Disassembly of the seat frame is straightforward, as all connections utilize standard aircraft hardware.

1.5.4.2 Assembly:

Refer to the Illustrated Parts List when reassembling the seat frame.

Replace self-locking type nuts with new hardware when reassembling seat.

Any time the Herculite seat pan is removed, use new screws for reinstallation.

Use standard torques except as follows:

- The nuts, which retain the lap belts, should be snug but not over-tight to allow rotation of the lap belt fittings.
- The nuts on the clevis bolts at the upper ends of the arm assemblies, and the nuts that retain the two eyebolts to which the arms attach, should be snug but not over-tight to allow rotation of the arms for folding.
- The nuts and bolts which attach the feet (seat track fittings) to the eyebolts at four locations should not be tightened so much as to cause distortion of the cast lugs on the fitting.

1.5.4.3 Adjustments:

- Arm Assemblies: These members are not adjustable.

1.5.5 Seat Repair:

1.5.5.1 Hardware Replacement:

Hardware used throughout the seat is aircraft standard. Hardware should be replaced if corroded, damaged, or excessively worn. Replace self-locking type nuts with new hardware when reassembling seat. Do not substitute hardware - refer to the Illustrated Parts List for correct part numbers. If you encounter difficulty procuring replacement hardware or fittings, contact Aero Twin, Inc. at (907) 274-6166. Refer to previous section for assembly information.

1.5.5.2 Quick Release Fittings

Quick release fittings should be replaced or repaired *immediately* if components are missing, or parts are corroded, damaged or excessively worn. Missing components of a quick release fitting constitutes an un-airworthy seat. Replacement fitting parts can be procured through Aero Twin Inc. at the number listed in section 1.5.5.1.

1.5.5.3 Steel Tube Frame:

Before any repairs may be made to the steel tube frame, written approval must be obtained from the manufacturer, Aero Twin Inc. Contact Aero Twin Engineering Department at (907) 274-6166 or write: Aero Twin Inc., Engineering Dept., 2404 Merrill Field Dr., Anchorage AK, 99501.

NOTE: Arm Assemblies (P/N FS1-500), are not eligible for repair. If these parts are found to be bent or cracked, they must be discarded and replaced.

1.5.5.4 Painted Surfaces:

Painted steel surfaces should be maintained and refinished as required to prevent corrosion. When refinishing is required, lightly sand the affected area using fine sandpaper or an abrasive pad (such as 3M *Scotch-Brite*[™]). Polish out minor surface nicks or scratches where present. Clean the area thoroughly with a clean cloth wetted with non-petroleum-

based solvent to remove any residual oils and dust. Apply a zinc-chromate or equivalent primer coat, then a matching color coat of quality enamel or epoxy-type paint. Follow manufacturer's instructions in preparing and applying primer and color coats.

1.5.5.5 Fabric:

- **Herculite Components:** These components are subject to mandatory replacement at fifteen-year intervals, but should be replaced when found to be excessively worn, frayed, or torn. Open seams can be re-stitched using nylon thread.
- **When replacing the Herculite seat pan with a new assembly:**
 - Ensure that metal strips in edge are positioned in their pocket with the outside edge against the fold of the pocket.
 - Position the seat pan on the metal frame with the existing screw holes centered in both the metal strips and the nylon webbing.
 - Match drill the seat pan to the existing screw holes using a #32 drill bit and secure the pan to the frame using S1021A6-8 or MS51863-23C screws.
- **Upholstery:** Re-stitch open seams using nylon thread. Small tears can be drawn closed and sewn. Extensive damage usually justifies replacement of the upholstery cover. Seat upholstery fabrics are limited to those that have been specifically approved for use on this seat. If another fabric is desired for the upholstery, contact Aero Twin, Inc at:

Aero Twin, Inc.
2403 Merrill Field Dr.
Anchorage, AK 99501
(907)274-6166

- **Foam:** The seat is not approved for operation without the foam supplied with the seat, or equivalent. Padding should only be replaced with medium density highly damped, semi-reticulated urethane foam. Confor Foam CF-45 (bottom layer), CF-40 (middle layers), and DAX-55 scrim (top layer) are acceptable replacements.

1.5.5.6 Restraint Belts:

The belt assemblies are subject to mandatory replacement at twelve-year intervals. Worn, frayed, cut, or otherwise damaged belt assemblies should be replaced or remanufactured immediately by a qualified repair station. Any belt assembly that is found to be missing its manufacturer's data patch must be considered unairworthy and must be replaced.

1.5.5.7 Seat Feet:

The seat track fittings that serve as seat feet use a plunger that slides up and down on a steel body and locks into the seat track when pushed down. A retaining pin is in the front of the body that is pushed out by a small spring to sit in a groove inside the plunger. The pin keeps the plunger from falling off the bottom of the body. Sometimes the plunger can be jarred out of place and the pin, spring, and ball that the spring seats on are lost. A repair kit, ATI-40566-R, is available, which provides replacement pins, springs, and balls. Later seat feet incorporate a roll pin to further restrict the plunger from falling off the bottom of the body.

2.0 Airworthiness Limitations

Aero Twin, Inc. Single Place Folding Seat P/N DFS4T

The Airworthiness Limitations section is FAA approved and specifies maintenance required under paragraphs 43.16 and 91.403(c) of the Federal Aviation Regulations unless an alternative program has been FAA approved.

This section describes required inspection, maintenance, and replacement items. When repairs are deemed necessary, follow accepted standard practices and/or specific maintenance instructions in Section 1.5 of this manual. This section constitutes Component Airworthiness Limitations which apply to the seat only.

2.1 Scheduled Inspections and Maintenance:

Note: First inspection should be accomplished at next aircraft inspection so that subsequent inspections coincide.

2.1.1 1000 hour or Annual Inspection:

Remove padded upholstery cover.

Inspect steel tube frame:

 Tubes for bends, dents, corrosion, or other defects.

 Welded areas for cracks or other defects.

 Finish for scratches, abrasion, etc.

Inspect hardware and fittings:

 Hardware for security and condition.

 Quick-release fittings for proper operation and condition.

 Feet (track fittings) for proper operation, security, and condition.

Inspect Herculite fabric (seat pan and seat back cover):

 Fabric for wear, fraying, tearing, or other defects

 Attachment screws (seat pan) for security

 Straps and buckles (seat back) for condition and tautness

Inspect restraint system (lap belts and shoulder harness assemblies):

 Webbing for cuts, fraying, or other defects.

 End fittings for security and condition.

 Buckles for proper operation.

 Data patches (must be present and legible).

Inspect overall seat assembly and upholstery for cleanliness and general airworthiness.

Lubricate all rotating and sliding parts fittings (Corrosion X™ or equivalent).

Reinstall padded upholstery cover.

FAA Approved: _____

Date: _____

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2/1/13

2.1.2 Five-Year and Ten-Year Inspection:

- Remove padded upholstery cover.
- Remove Herculite seat pan and seat back cover.
- Inspect steel tube frame:
 - All welded joints using a 10X glass for cracks.
 - (Strip paint from area around any apparent crack and re-inspect).
- Treat all tubing internally with corrosion preventative (*Corrosion X™* or equivalent).
- Complete all items for a **1000 Hour / Annual Inspection**.
- Reinstall seat pan using new screws; reinstall seat back cover and upholstery cover.

2.1.3 Fifteen-Year Inspection:

- Remove padded upholstery cover.
- Remove Herculite seat pan and seat back cover and discard.
- Disassemble seat frame.
- Strip paint from all welded joints and inspect using a 10X glass.
- Complete all items for a **5/10-Year Inspection**.
- Repaint seat frame components.
- Reassemble seat frame using new hardware.*
- Install NEW Herculite seat pan and seat back cover.*
- Reinstall padded upholstery cover.

*A kit containing all parts necessary to complete these steps is available from Aero Twin, Inc. Call (907) 274-6166, or visit www.aerotwin.com to order Kit No. DFS4-H.

2.1.4 Restraint Belt Restrictions:

In addition to the above inspection schedule, the restraint belt assembly must be replaced every 12 years per the restraint belt manufacturer's limitations.

2.2 Mandatory Replacement:

Herculite seat pan and seat back cover, P/N FS1-600 and FS1-700-1 respectively, must be replaced by new parts during 15 year inspection as discussed in 2.1.3.

Restraint belt assembly, P/N 5-02-2H07XX RevA (LH) or 5-02-2H07XX RevA (RH), must be replaced every 12 years as discussed in 2.1.4.

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Date: 2/1/13

-----End of Section 2.0 Airworthiness Limitations-----

3.0 Illustrated Parts List

Aero Twin, Inc. Single Place Folding Seat P/N DFS4T

3.1 Complete Parts List:

Item	Qty (per seat)	Part Number	Description
1	1	FS1-100-1	Seat Pan Frame
2	1	FS1-400-T	Seat Back Frame
3	2	FS1-500	Arm Assembly
4	1	FS1-600	Seat Pan Assembly
5	1	FS1-700-1	Back Rest Assembly
6	2	MS21083N4	Nut
7	2	NAS75-4-007	Steel Bushing
8	3	ATFS-133	Buckle
9	12	MS51863-23C or S1021A6-8	Seat Pan Screw
10	2	NAS561P8-16	Roll Pin
11	2	MS22034-1	Retainer Fitting
12	4	ATI-SFT-15	Retainer
13	10	MS21083N5	Lock Nut
15	2	ATFS-62L	Eye Bolt
16	4	AN5-11A	Bolt
17	4	AN25-14A or AN5-10A	Clevis Bolt
18	2	AN24-12A or AN4-7A	Clevis Bolt
19	2	ATFS-115A	Steel Bushing
20	A/R	NAS1149F 0563P/532P	Washer
21	A/R	NAS1149F 0432P	Washer
22	1	5-02-2H57xx REV A (RH) 5-02-5H07xx REV A (LH)	Lap Belt and Shoulder Harness Assembly w/inertia reel
23	2	NAS561P6-16	Roll Pin
24	1	FS1-605-1	Seat Bottom Cushion
25	1	FS1-406	Seat Back Cushion
26	1	DFS4-46TSO	Data Plate
27	2	DFS4-46TSO-AUX	Seat Cushion Data Tag
28	1	FS-01-36	Oxygen Mask / Life Vest Bag (Optional)
29	1	FS1-605-3	Seat Bottom Cushion Upholstery
30	1	FS1-407	Seat Back Cushion Upholstery
Accessories:			
N/A	N/A	ATFS1-09	Storage Bag
N/A	N/A	AT-SRT-01	Removal Tool
N/A	N/A	ATI-40566-R	Seat Foot Repair Kit

Figure 3.1

3.2 FOLDING SEAT OVERVIEW & BACK REST COVER INSTALLATION

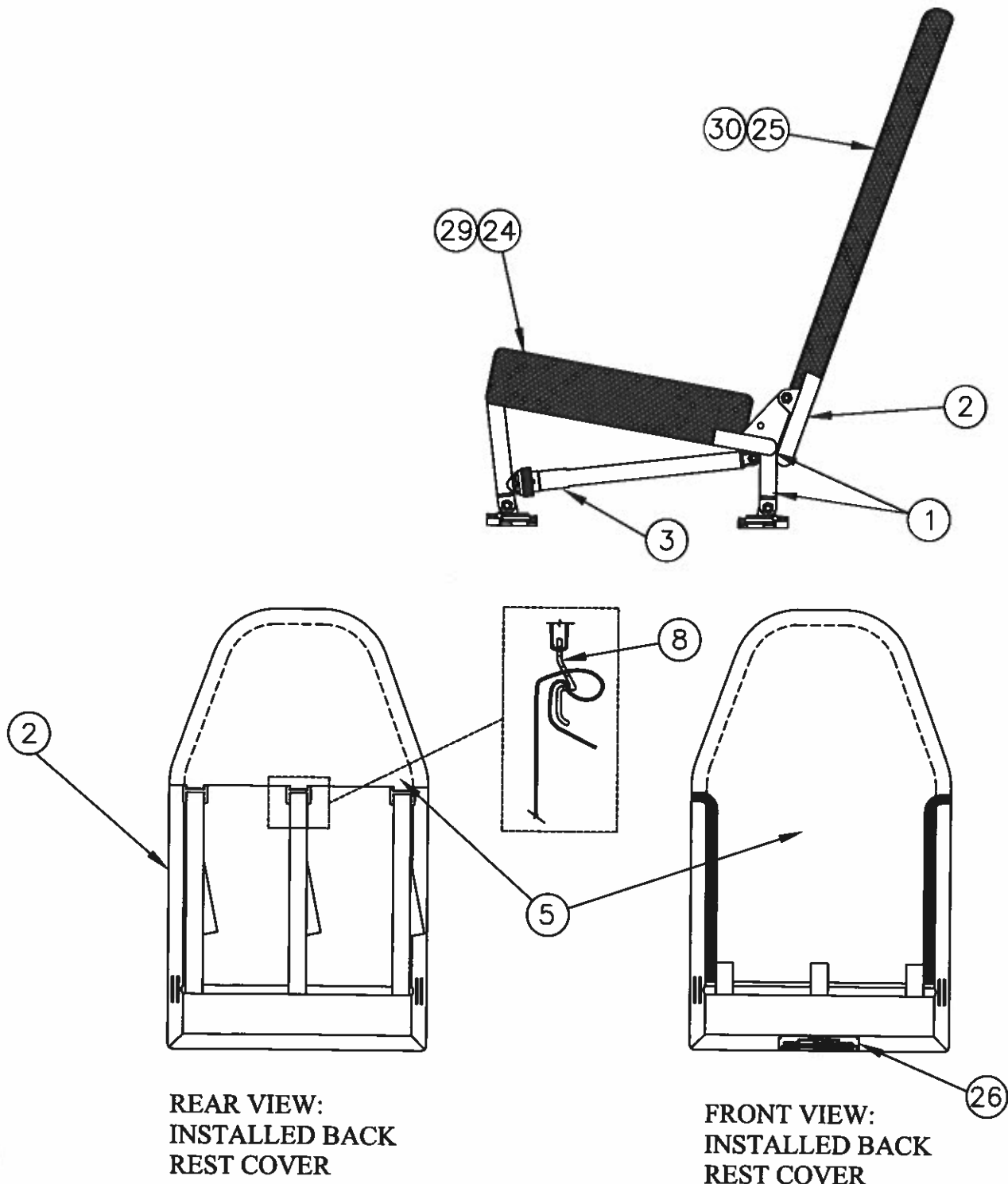


FIGURE 3.2

3.3 SEAT BOTTOM HARDWARE & LOWER ARM INSTALLATION

NOTES

▷ REAR LEG SEAT FEET MAY BE REVERSED IF DESIRED.

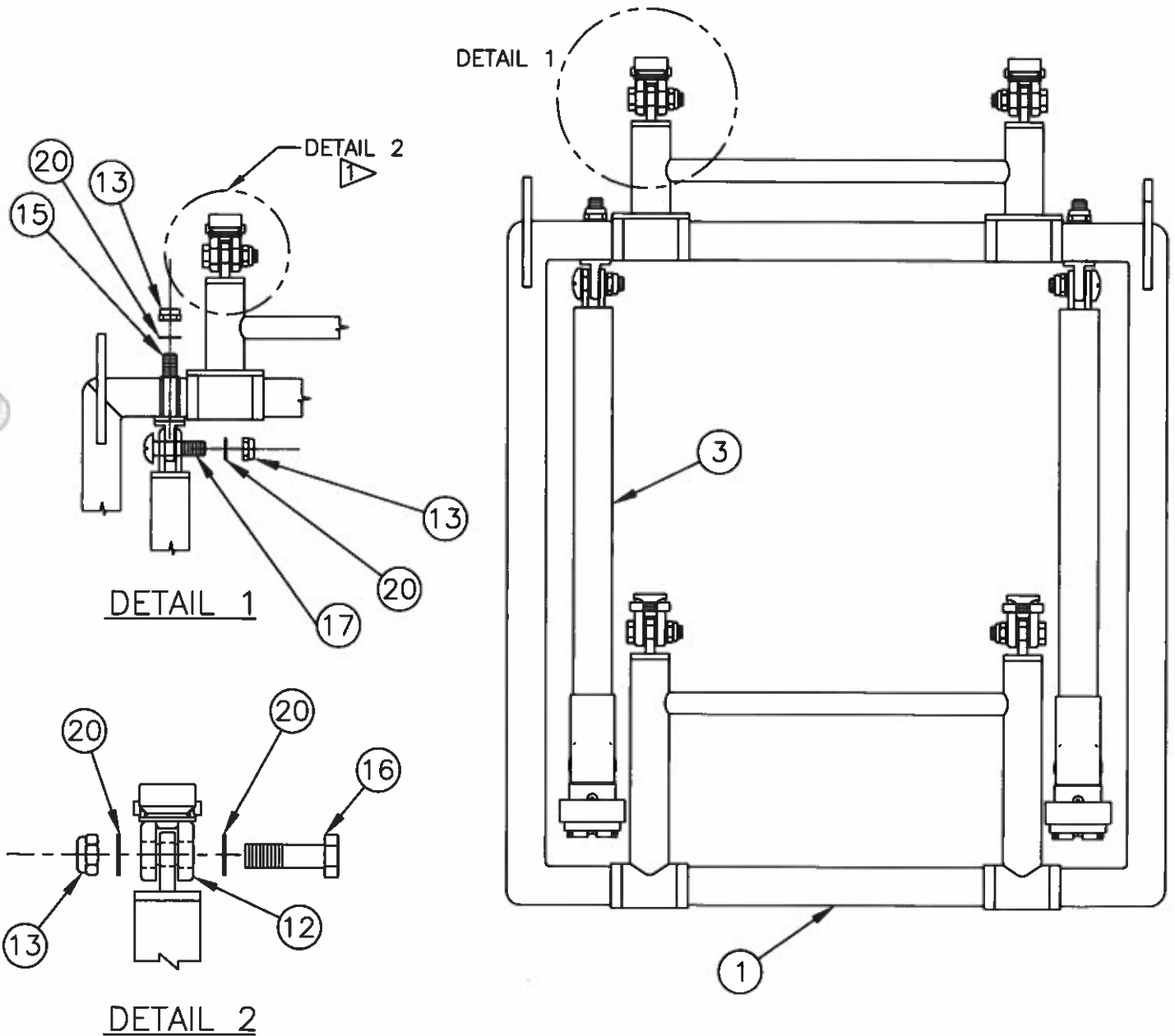


FIGURE 3.3

3.4 SEAT BELT AND BACK INSTALLATION

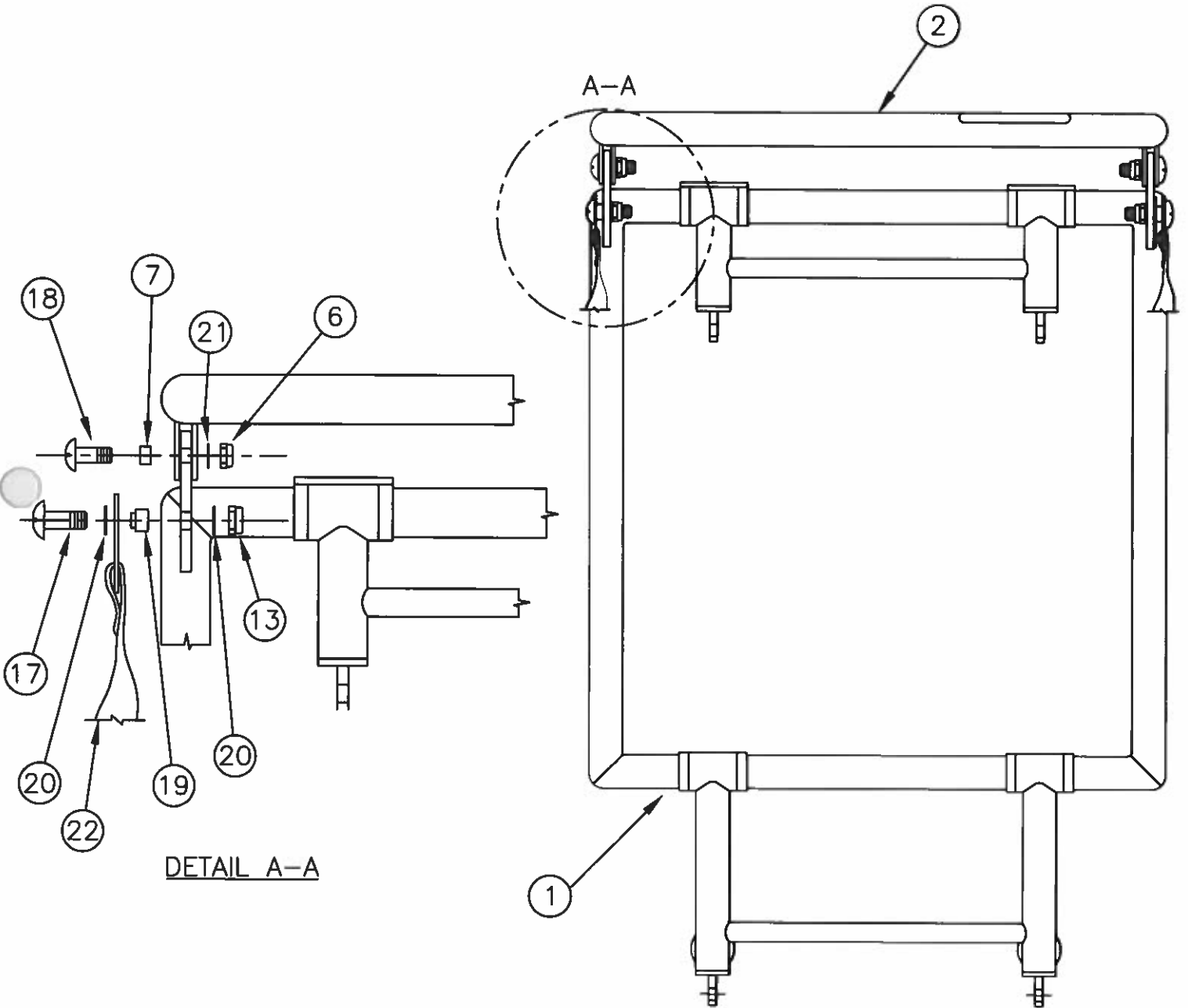


FIGURE 3.4

3.5 LOWER ARM DETAIL

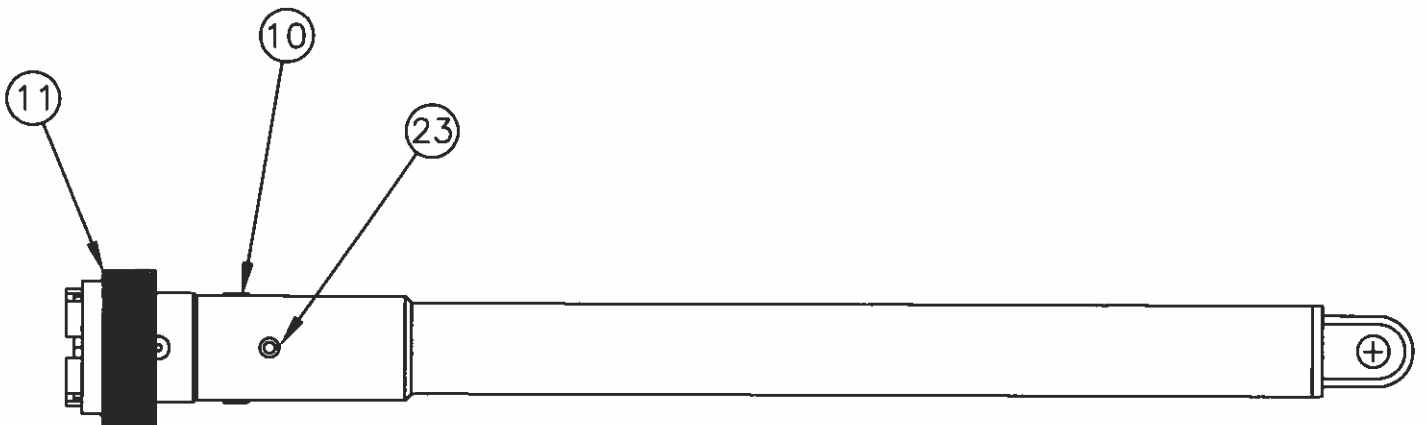
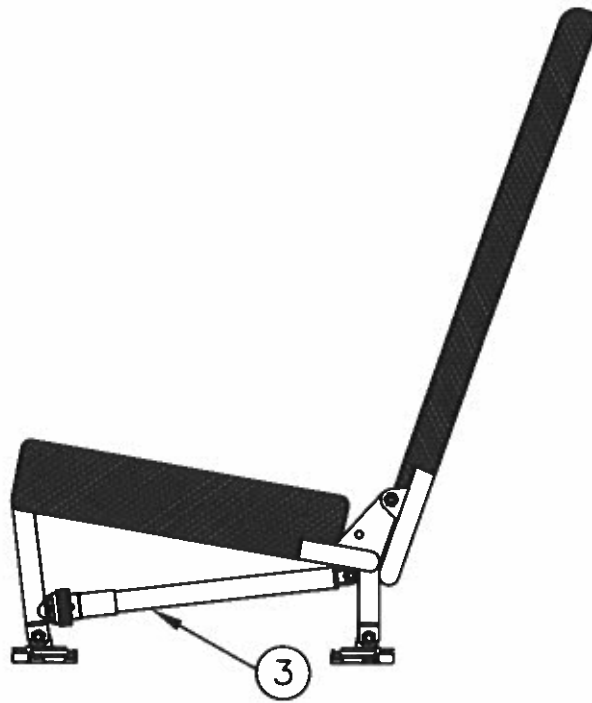


FIGURE 3.5

3.6 SEAT PAN INSTALLATION

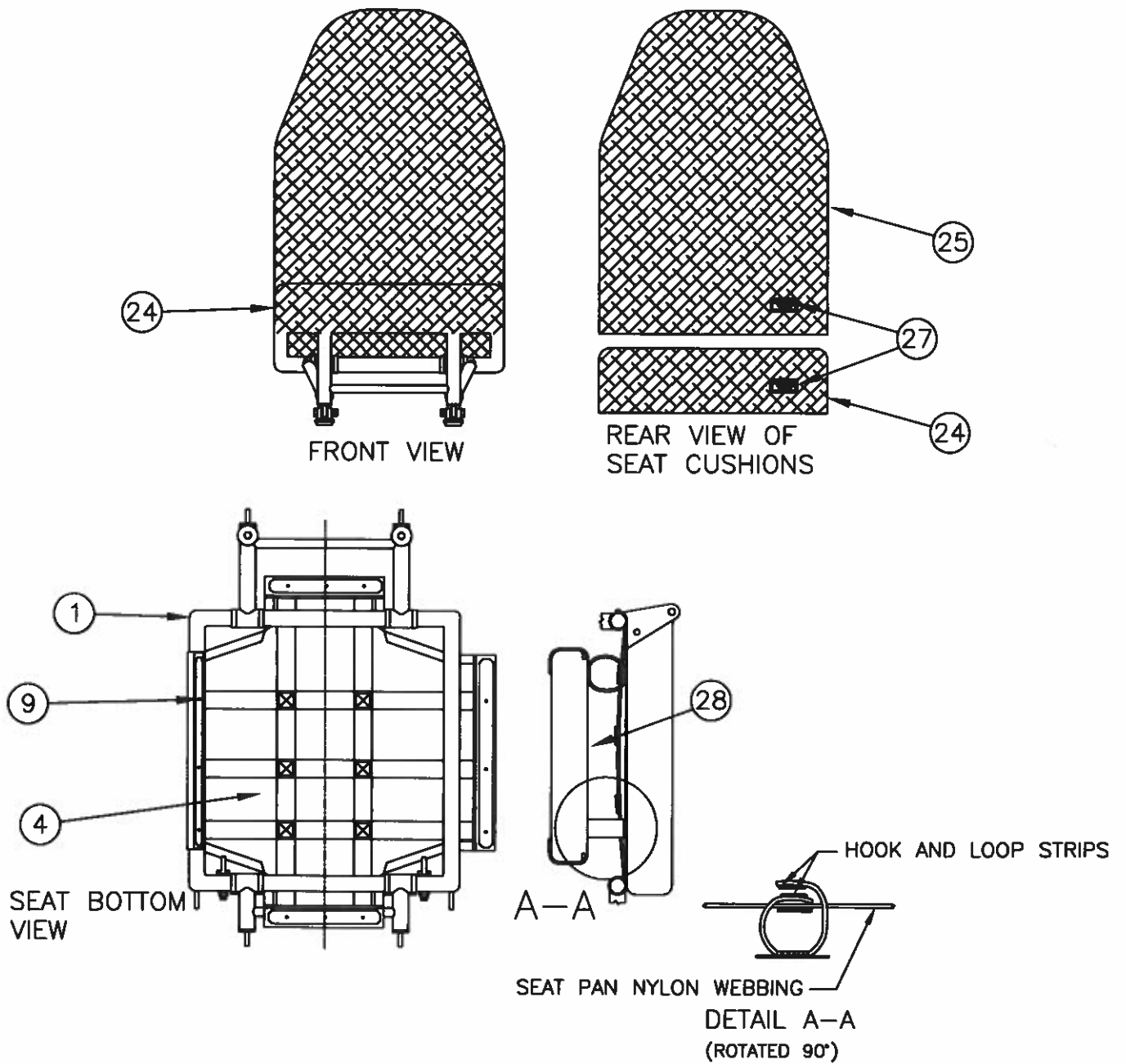
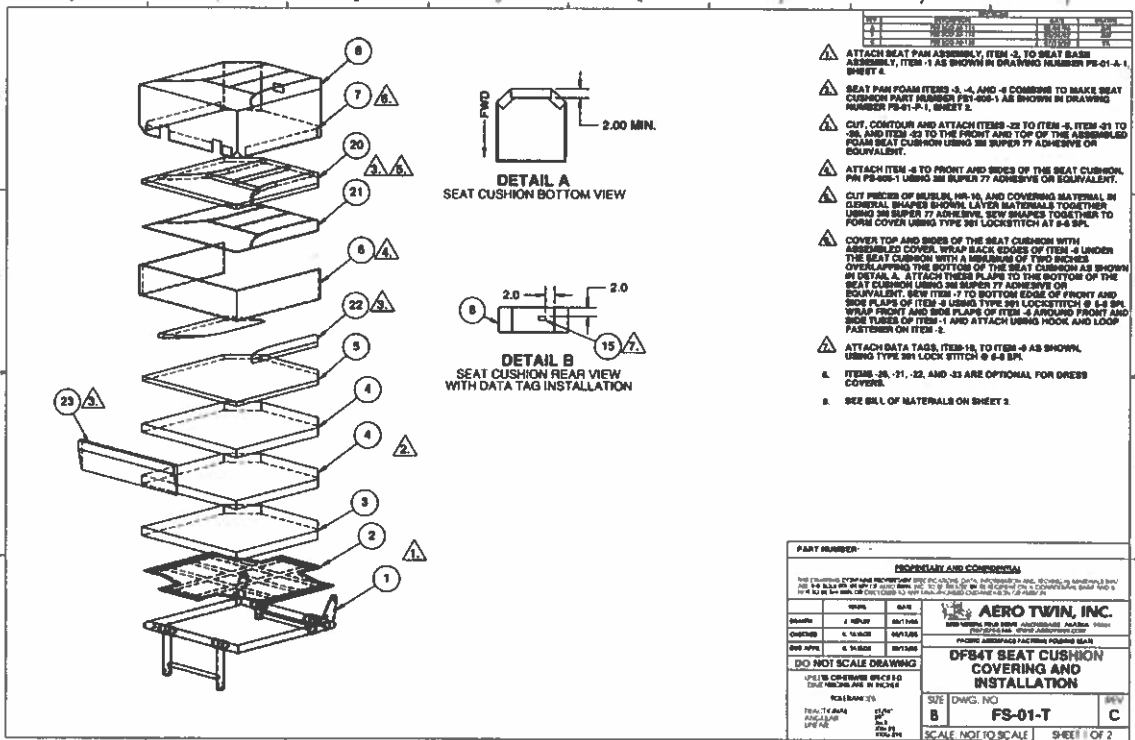


FIGURE 3.6

3.7 SEAT CUSHION ASSEMBLY AND DATA PLATE INSTALLATION



PART NUMBER:		PROPRIETARY AND CONFIDENTIAL	
REV	DESCRIPTION	DATE	BY
A	REVISED	08/11/11	CHW
B	REVISED	06/25/12	CHW
C	REVISED	09/14/13	CHW

PART NUMBER:		PROPRIETARY AND CONFIDENTIAL	
REV	DESCRIPTION	DATE	BY
A	REVISED	08/11/11	CHW
B	REVISED	06/25/12	CHW
C	REVISED	09/14/13	CHW

AERO TWIN, INC.
10000 W. 10TH AVENUE, DENVER, CO 80202
PH: 303.440.1000 FAX: 303.440.1001
WWW.AEROTWIN.COM

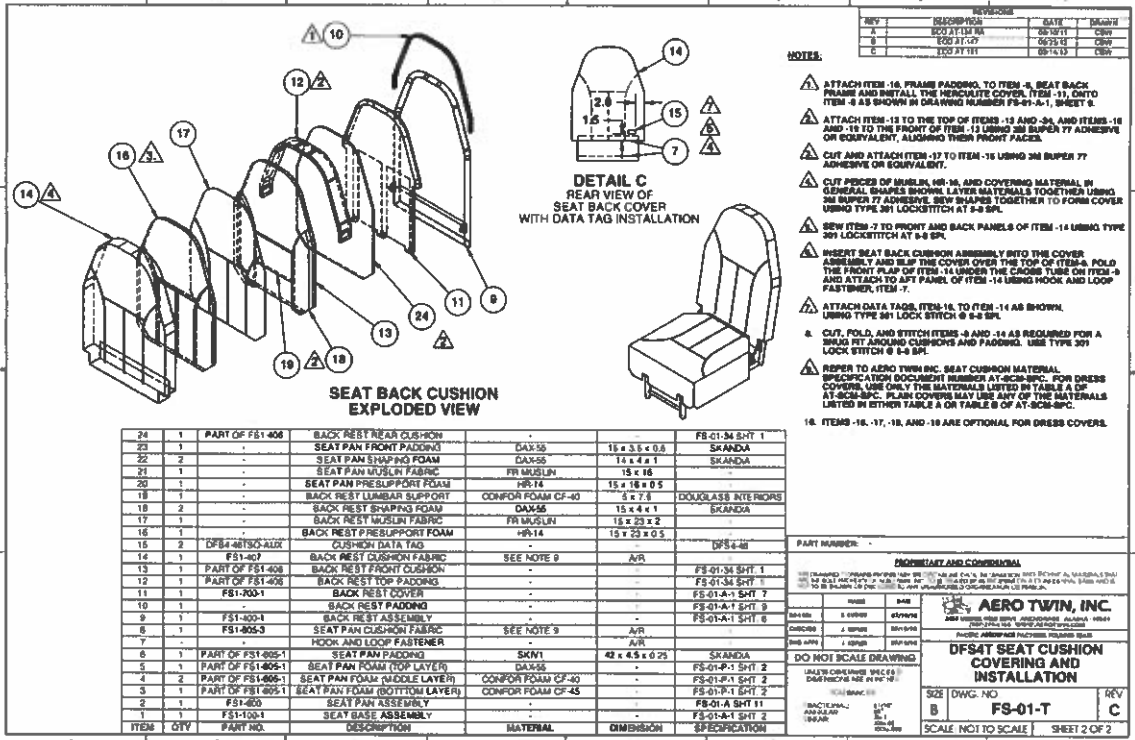
DFS4T SEAT CUSHION COVERING AND INSTALLATION

DO NOT SCALE DRAWING

SCALE: NOT TO SCALE

SIZE: B DWG. NO: FS-01-T REV: C

SCALE: NOT TO SCALE SHEET 1 OF 2



PART NUMBER:		PROPRIETARY AND CONFIDENTIAL	
REV	DESCRIPTION	DATE	BY
A	REVISED	08/11/11	CHW
B	REVISED	06/25/12	CHW
C	REVISED	09/14/13	CHW

PART NUMBER:		PROPRIETARY AND CONFIDENTIAL	
REV	DESCRIPTION	DATE	BY
A	REVISED	08/11/11	CHW
B	REVISED	06/25/12	CHW
C	REVISED	09/14/13	CHW

AERO TWIN, INC.
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DFS4T SEAT CUSHION COVERING AND INSTALLATION

DO NOT SCALE DRAWING

SCALE: NOT TO SCALE

SIZE: B DWG. NO: FS-01-T REV: C

SCALE: NOT TO SCALE SHEET 2 OF 2

ITEM	QTY	PART NO.	DESCRIPTION	MATERIAL	DIMENSION	SPECIFICATION
24	1	PART OF FS1-005-1	BACK REST REAR CUSHION	-	-	FS-01-B4 SHT 1
23	1	-	SEAT PAN FRONT PADDING	DAX-35	15 x 3.5 x 0.8	SKANDA
22	2	-	SEAT PAN SHAPING FOAM	DAX-55	14 x 4 x 1	SKANDA
21	1	-	SEAT PAN MUSLIN FABRIC	FR MUSLIN	15 x 16	-
20	1	-	SEAT PAN PHE-SUPPORT FOAM	NR-14	15 x 18 x 0.5	-
19	1	-	BACK REST LUMBAR SUPPORT	CONFOR FOAM CF-40	5 x 7 x 8	DOUGLASS INTERIORS
18	2	-	BACK REST SHAPING FOAM	DAX-66	15 x 4 x 1	SKANDA
17	1	-	BACK REST MUSLIN FABRIC	FR MUSLIN	15 x 23 x 2	-
16	1	-	BACK REST PHE-SUPPORT FOAM	NR-14	15 x 23 x 0.5	-
15	2	DFS4-48150-A102	CUSHION DATA TAG	-	-	DFS-4-48
14	1	FS1-407	BACK REST CUSHION FABRIC	SEE NOTE 9	A/R	-
13	1	PART OF FS1-005-1	BACK REST FRONT CUSHION	-	-	FS-01-A1 SHT 1
12	1	PART OF FS1-005-1	BACK REST TOP PADDING	-	-	FS-01-A1 SHT 1
11	1	FS1-700-1	BACK REST COVER	-	-	FS-01-A-1 SHT 7
10	1	-	BACK REST PADDING	-	-	FS-01-A-1 SHT 9
9	1	FS1-300-1	BACK REST ASSEMBLY	-	-	FS-01-A-1 SHT 8
8	1	FS1-005-3	SEAT PAN CUSHION FABRIC	SEE NOTE 9	A/R	-
7	1	-	HOOK AND LOOP FASTENER	-	-	A/R
6	1	PART OF FS1-005-1	SEAT PAN PADDING	SKN1	42 x 4.5 x 0.25	SKANDA
5	1	PART OF FS1-005-1	SEAT PAN FOAM (TOP LAYER)	DAX-35	-	FS-01-P-1 SHT 2
4	2	PART OF FS1-005-1	SEAT PAN FOAM (MIDDLE LAYER)	CONFOR FOAM CF-40	-	FS-01-P-1 SHT 2
3	1	PART OF FS1-005-1	SEAT PAN FOAM (BOTTOM LAYER)	CONFOR FOAM CF-45	-	FS-01-P-1 SHT 2
2	1	FS1-400	SEAT PAN ASSEMBLY	-	-	FS-01-A SHT 11
1	1	FS1-100-1	SEAT BASE ASSEMBLY	-	-	FS-01-A SHT 2

FIGURE 3.7