# LOU MARTIN E ASSOC INC

2107 DANBURY DRIVE SAN ANTONIO, TEXAS 78217 PHONE: (210) 930-8181 FAX: (210) 930-8184

# COMPONENT MAINTENANCE MANUAL WITH ILLUSTRATED PARTS LIST

Decorative Mechanical Window Shade Assembly GALX-113M006

First Issue: JUNE 26/03

25-23-04

JUNE 26/03

## Record of Revisions

Rev.	Issue	Date	Ву	Rev.	Issue	Date	Ву
No.	Date	Inserted		No.	Date	Inserted	
IR	JUNE 26/03	JUNE 26/03	C. M.				
				1			
				ļ			

Record of Revisions PAGE i JUNE 26/03

## Record of Temporary Revisions

Temporary	Page	Issued	Ву	Date	Ву
Rev No.	Number	Date		Removed	

Record of Temporary Revisions PAGE ii JUNE 26/03

## Service Bulletin List

SB Number And Revision	Included in Revision	Date Of Incorporation
		1

Service Bulletin List PAGE iii JUNE 26/03

## TABLE OF CONTENTS

	Page
RECORD OF REVISIONS	i
RECORD OF TEMPORARY REVISIONS	ii
SERVICE BULLETIN LIST	iii
TABLE OF CONTENTS	iv
LIST OF EFFECTIVE PAGES	vi
INTRODUCTION	1
1. General	1
2. Layout of manual	1
3. Revision of the document	2
4. Certification of operations	3
5. WARNINGS-CAUTIONS-NOTES	3
6. List of Abbreviations	4
DESCRIPTION AND OPERATION	6
1. Description	6
2. Technical Data	7
TESTING AND FAULT ISOLATION	1001
1. Testing	1001
2. Fault Isolation	1002
SCHEMATIC AND WIRING DIAGRAMS	NOT APPLIABLE
UNINSTALLING WINDOW ASSY.	3001
1. General	3001
2. Job set-up information	3001
3. Preliminary Steps	3001
4. Cabin window removal	3002
DISASSEMBLY	4001
1. General	4001
2. Job set-up information	4001
3. Preliminary Steps	4001
4. Cover Strip removal	4002
4. Inner lens removal	4002
5. Blind mod. assy. removal	4002

TABLE OF CONTENTS PAGE iv JUNE 26/03

CLEANING	5001
1. General	5001
2. Job set-up information	5001
3. Procedures	5002
AIRWORTHINESS LIMMITATIONS	6001
1. General	6001
INSPECTION/REPLACEMENT & REPAIR	7001
1. General	7001
	7001
1	7001 7002
1	7002
4. Replacement of parts	
5. Replacement procedure for damaged shade string	7003
6 Replacement procedure for a damaged inner lens	7004
7. Replacement procedure for a damaged outer lens	7005
ASSEMBLY	8001
1. General	8001
2. Job set-up information	8001
3. Blind mod. reattachment	8002
4. Inner Lens reattachment	8003
5. Cover Strip reattachment	8003
FITS AND CLEARANCES	9001
1. General	9001
2. Clearances	9001
SPECIAL TOOLS, FIXTURES, EQUIPMENT	10001
1. Special tools, fixtures and equipments	10001
STORAGE	11001
1. General	11001
ILLUSTRATED PARTS LIST	INTRO IPL 1
1. Introduction	INTRO IPL 1
2. How to use the Illustrated Parts List	INTRO IPL 2
3. Alphanumerical Index	ALPHANUMERICAL INDEX
DETAILED PARTS LIST	12001

TABLE OF CONTENTS PAGE v JUNE 26/03

## LIST OF EFFECTIVE PAGES

SUBJECT	PAGE	DATE	SUBJECT	PAGE	DATE
TITLE PAGE		JUNE 26/03	UNINSTALLING WINDOW ASSY.	3001 3002	JUNE 26/03 JUNE 26/03
RECORD OF REVISONS	i	JUNE 26/03	WINDOW ASS1.	3002	BLANK
RECORD OF TEMPORY REVISIONS	ii	JUNE 26/03	DISASSEMBLY	4001 4002	JUNE 26/03 JUNE 26/03
SERVICE BULLETIN LILST	iii	JUNE 26/03	CLEANING	5001 5002 5003 5004	JUNE 26/03 JUNE 26/03 JUNE 26/03 BLANK
TABLE OF CONTENTS	iv v	JUNE 26/03 JUNE 26/03	AIRWORTHINESS LIMITATIONS	6001 6002	JUNE 26/03 BLANK
LIST OF EFFECTIVE PAGES	vi vii	JUNE 26/03 JUNE 26/03	INSPECTION\ REPLACEMENT & REPAIR	7001 7002 7003 7004 7005	JUNE 26/03 JUNE 26/03 JUNE 26/03 JUNE 26/03
INTRODUCTION	1 2	JUNE 26/03 JUNE 26/03		7005	JUNE 26/03 JUNE 26/03
	3 4 5	JUNE 26/03 JUNE 26/03 BLANK	ASSEMBLY	8001 8002 8003	JUNE 26/03 JUNE 26/03 JUNE 26/03
DESCRIPTION AND OPERATION	6 7	JUNE 26/03 JUNE 26/03	FITS AND CLEARANCES	9001 9002	JUNE 26/03 JUNE 26/03
TESTING AND FAULT	1001 1002 1003	JUNE 26/03 JUNE 26/03 BLANK	SPECIAL TOOLS, FIXTURES, AND EQUIPTMENT	10001	JUNE 26/03

LIST OF EFFECTIVE PAGES PAGE vi JUNE 26/03

## LIST OF EFFECTIVE PAGES

SUBJECT	PAGE	DATE	SUBJECT	PAGE	DATE
STORAGE	11001 11002	JUNE 26/03 BLANK			
ILLUSTRATED PARTS LIST	INTRO IPL 1 INTRO IPL 2 INTRO IPL 3 INTRO IPL 4 INTRO IPL 5 INTRO IPL 6	JUNE 26/03 JUNE 26/03 JUNE 26/03 JUNE 26/03 JUNE 26/03 BLANK			
ALPHANUMERICAL INDEX	1 2	JUNE 26/03 JUNE 26/03			
DETAILED PARTS LIST	120001-0 120001-1 120002-0 120002-1 120003-0 120003-1	JUNE 26/03 JUNE 26/03 JUNE 26/03 JUNE 26/03 JUNE 26/03 JUNE 26/03			

LIST OF EFFECTIVE PAGES PAGE vii JUNE 26/03

## **Introduction**

## TASK 25-23-04-990-801

## 1. <u>General</u>

A. This document writing follows the directives of the "A.T.A Specification No. 100" updating N° 36. The instructions in this manual give the information necessary to do maintenance functions ranging from simple checks and replacement to complete shop type repair for the equipment, manufactured and supported by:

Lou Martin & Assoc., Inc.	
2107 Danbury Drive	
San Antonio, TX. 78217 USA	
Tel.: (210) 930-8181 – Fax: (210) 930-8184	

B. This document is applicable to the following equipment:

Decorative Mechanical Window Shade Assy. GALX-113M006

## TASK 25-23-04-990-802

## 2. <u>Layout of manual</u>

- A. This manual contains a general description and operation followed by data for maintenance, repair, disassembly and assembly of the equipment. This is followed by an illustrated parts list (IPL), which gives detailed information.
- B. The manual is divided into separate sections:
  - (1) Title Page
  - (2) Record of Revisions
  - (3) Table of Contents
  - (4) Introduction
  - (5) Procedures and IPL Sections

INTRO PAGE 1 JUNE 26/03

## Lou Martin & Assoc., Inc.

Component Maintenance Manual

C. This manual will be updated as required by revisions: Service Bulletins may be issued separately. Their effect on this manual will be made evident by reissue of the appropriate list of Service Bulletins.

## TASK 25-23-04-990-803

#### 3. <u>Revision of the document</u>

- A. Two types of revisions of the manual are used to follow the evolution of this equipment/
  - (1) Normal revision
    - (a) Normal revisions are periodically issued.
    - (b) They are printed on white paper
    - (c) A List of Revisions gives a better follow-up of these revisions.
    - (d) The changes in the text are shown by a vertical line drawn in the left margin.
  - (2) Temporary revision
    - (a) Temporary revisions can be issued in advance of the normal revision.
    - (b) They are printed on yellow paper.
    - (c) A List of Temporary Revisions gives their follow-up.
    - (d) A letter comes with these temporary revisions to give all the necessary information about the insertion of these revisions.

INTRO PAGE 2 JUNE 26/03

## Lou Martin & Assoc., Inc.

Component Maintenance Manual

- (3) General rules for the insertion of temporary revisions
  - (a) A yellow page (with a higher sequential number) can replace a yellow page.
  - (b) A yellow page cannot replace a white page.

#### TASK 25-23-04-990-804

- 4. <u>Certification of operation</u>
  - A. The maintenance operations described in the present COMPONENT MAINTENANCE MANUAL have been checked in the manufacturer's workshop by observing the disassembly, assembly, testing, and trouble-shooting instructions detailed in this document.

## TASK 25-23-04-990-805

- 5. <u>WARNINGS-CAUTIONS-NOTES</u>
  - A. Special adjuncts to the text are expressed by the following headings:

<u>WARNING</u> : CALL ATTENTION FOR THE USE OF MATERIALS, PROCESSES, METHODS, PROCEDURES OR TOLERANCES WHICH MUST BE ADHERED TO CAREFULLY IN ORDER TO AVOID ANY INJURY.

<u>CAUTION:</u> CALL ATTENTION TO METHODS AND PROCEDURES, WHICH MUST BE ADHERED TO IN ORDER TO AVOID DAMAGE TO EQUIPMENT.

<u>NOTE:</u> Call attention to methods, which make the procedures easier.

INTRO PAGE 3 JUNE 26/03

## TASK 25-23-04-990-805

## 6. <u>List of Abbreviations</u>

: ASSEMBLY
: AIR TRANSPORT ASSOCIATION OF AMERICA
: FEDERAL AVIATION ADMINSTRATION
: FEDERAL AVIATION REGULATION
: ILLUSTRATED PARTS LIST
: POUND
: MILITARY STANDARD
: NATIONAL AEROSPACE STANDARD
: REVISION
: SERVICE BULLETINS
: TEMPORARY REVISION

INTRO PAGE 4 JUNE 26/03

## PAGE INTENTIONALLY LEFT BLANK

INTRO PAGE 5 JUNE 26/03

#### TASK 25-23-04-870-801

## **DESCRIPTION AND OPERATION**

## 1. <u>Description</u>

A. General

Basically, the decorative window shade assy. is made of a fiberglass shell, blind assy., inner & outer lenses and a decorative mask.

B. Composition

(See FIGURE 1 / GRAPHIC 25-23-04-991-001 Galaxy Mechanical Cabin Window Breakdown.)

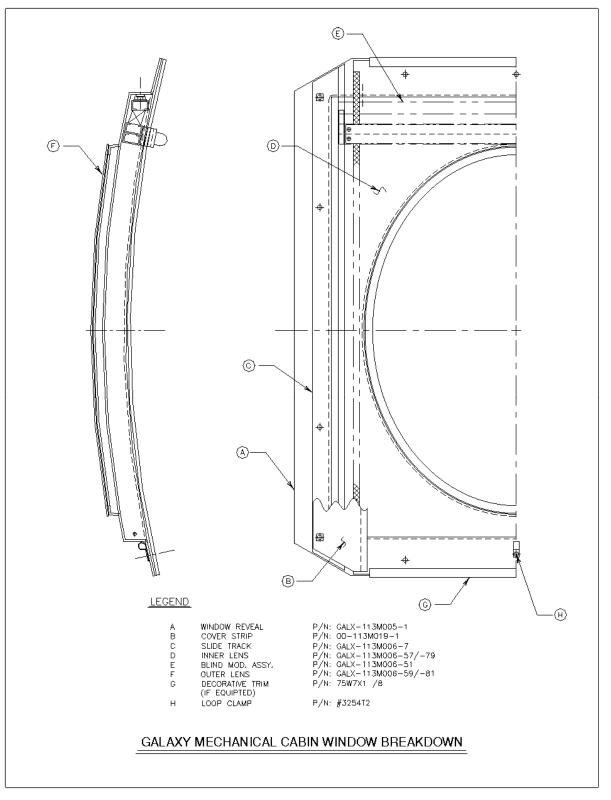


FIGURE 1 / GRAPHIC 25-23-04-991-001

PAGE 7 JUNE 26/03

## Lou Martin & Assoc., Inc.

Component Maintenance Manual

## TESTING AND FAULT ISOLATION

## TASK 25-23-04-700-801

## 1. <u>Testing</u>

- A. General
  - (1) The tests check the different adjustments, components and mechanisms of the window shade unit.
  - (2) The defective parts must be repaired in workshops or can be replaced by serviceable parts.
- B. Job set-up information
  - (1) Tools, fixtures, equipment and materials

# NOTE: Refer to "SPECIAL TOOLS, FIXTURE AND EQUIPMENTS" for full details on the items used.

- C. Procedure
  - (1) Make sure the shade unit operates with the desired tension, and does not bind.

PAGE 1001 JUNE 26/03

#### TASK 25-23-04-700-802

- 2. <u>Fault isolation</u>
  - A. Faults you can find during the operations are given here under together with their probable causes and their corrective actions.
  - B. After the necessary corrective action is done, do an inspection of the window unit to make sure that the fault is corrected.
  - C. Mechanical fault isolation

TROUBLE	POSSIBLE CAUSE	CORRECTION
SHADE ASSY.		
Shade assy does not operate with desired tension.	Incorrect tension	Adjust tension spring as required to add or release tension.
WINDOW UNIT		
Unit is loose	Installation screws are	Check and tighten any
	loose.	loose screws.

<u>NOTE:</u> FOR ANY OTHER TECHNICAL ASSISTANCE CALL LOU MARTIN & ASSOC., INC.

FOR A REWRK, DUE TO SHADE FABRIC DAMAGE, REPLACING A BROKEN STRING, SEND ASSEMBLY BACK TO LOU MARTIN & ASSOC., INC. FOR A TYPICAL 24-HOUR RETURN PERIOD.

## PAGE INTENTIONALLY LEFT BLANK

PAGE 1003 JUNE 26/03

## Lou Martin & Assoc., Inc.

## Component Maintenance Manual

## UNINSTALLING WINDOW SHADE ASSY.

## TASK 25-23-04-000-801

- 1. <u>General</u>
  - A. The overhaul instructions contained in this manual are usually implemented in mechanical overhaul workshops.
  - B. Avoid removing identification plates, unless manufacturer authorization.
  - C. Assure window unit inner and outer lens, and any decorative plated parts are protected at all times when removed from the aircraft.
  - D. When removing and transporting the window unit assure the shade is in the up position.

## TASK 25-23-04-940-802

- 2. <u>Job set-up information</u>
  - A. Tools, Fixtures, equipment and materials None.

## TASK 25-23-04-000-802

## 3. <u>Preliminary Steps</u>

A. Before the uninstalling, make note of the window assy. location for efficient reinstallation and to prevent errors.

> PAGE 3001 JUNE 26/03

## TASK 25-23-04-040-801

## 6. <u>Cabin window removal</u>

For attachment information reference

Gulfstream Aerospace-Dallas 7440 Aviation Place Dallas, TX. 75235

> PAGE 3002 JUNE 26/03

## PAGE INTENTIONALLY LEFT BLANK

PAGE 3003 JUNE 26/03

## DISASSEMBLY

## TASK 25-23-04-000-803

## 1. <u>General</u>

- A. The overhaul instructions contained in this manual are usually implemented in mechanical overhaul workshops.
- B. Avoid removing identification plates, unless manufacturer authorization.
- C. Only disassemble what is necessary to do the repairs or to replace defective part(s).
- D. When applying the following instructions, never disassemble those components, which have been proved to be in good condition after inspection unless their disassembly is necessary to get access to the defective part.
- E. All the parts must be identified before the disassembly in order to prevent the error and to make the reassembly easier.
- F. For the identification of damage or functional failure refer to:

"INSPECTION/REPLACEMENT & REPAIR"

#### TASK 25-23-04-940-803

- 2. <u>Job set-up information</u>
  - A. Tools, fixtures, equipment and materials None.

#### TASK 25-23-04-000-804

- 3. <u>Preliminary Steps</u>
  - A. Before the disassembly, put marks on all the parts to help the reassembly and to prevent errors.

PAGE 4001 JUNE 26/03

### TASK 25-23-04-040-804

#### 4. <u>Cover Strip removal</u>

- A. Remove screws & stop nuts holding the cover strip in place (2 places).
- B. Remove cover strip protecting both sides from damage.
- C. Be sure to make a note on the backside of the strip noting the window unit it came from as well as which side (L/H or R/H)

## TASK 25-23-04-040-805

- 5. <u>Inner lens removal</u>
  - A. Remove screws & stop nuts holding the inner lens in place.
  - B. Remove inner lens protecting both sides from damage

## TASK 25-23-04-040-806

- 6. <u>Blind mod. assy. removal</u>
  - A. Remove screw & stop nut holding tension spring assy.
  - B. Remove slide tracks from reveal to release lower blind mod. glides.
  - C. Upper blind mod. is attached with two or three screws and stop nuts depending on size, remove stop nuts and blind will be free from with-in reveal

PAGE 4002 JUNE 26/03

## **CLEANING**

## TASK 25-23-04-100-801

- 1. <u>General</u>
  - A. A full cleaning is necessary before each accurate inspection to find the correct location and the extent of the damage.
  - B. Cleaning removes all the remaining particles, which can have an unwanted effect on the performance of the equipment. It also helps the possible repair.

#### TASK 25-23-04-940-804

- 2. Job set-up information
  - A. Tools, Fixtures, equipment and materials
  - <u>NOTE:</u> Refer to "SPECIAL TOOLS, FIXTURES, EQUIPMENT AND MATERIALS" for full details on the items used.

REFERANCE	QTY	NAME
#PC-10	AR	NOVUS PLASITC POLISH
BRILLIANIZE	AR	CLEANER & POLISH
39139 (Prepsol)	AR	CLEANER FOR NON-FABRIC PARTS

## TASK 25-23-04-100-802

- 3. <u>Procedure</u>
  - A. How to use Novus Plastic Polish No. 1

Remove surface dust with soft cloth. Shake bottle contents and apply a light mist. Spread evenly and buff with a clean, soft, lint-free cloth.

B. How to use BRILLIANIZE Cleaner & Polish

Shake contents firmly and apply evenly to any hard, shiny, non-absorbent surface at room temperature. Rub gently. Before surface dries, polish with a dry lint-free cloth or non-damaging material, until the surface feels "as smooth as ice".



FIGURE 2/ GRAPHIC 25-23-04-991-002

PAGE 5002 JUNE 26/03

## C. Shade fabric

Lou Martin easy-glide shade systems utilize a metallized fabric, which is inherently anti-static. They actually repel dust and seldom require cleaning. An occasional light sweep of a vacuum is all that should be needed.

In the event of a mishap, Lou Martin easy-glide shades may be cleaned with a mild detergent and water. However, water spotting can occur. If a detergent is required, we suggest a mild detergent such as woolite.

Do not use ammonia cleaners near the Lou Martin easy-glide shade. Ammonia cleaners will damage the shade.

## PAGE INTENTIONALLY LEFT BLANK

PAGE 5004 JUNE 26/03

## AIRWORTHINESS LIMITATIONS

## TASK 25-23-04-200-801

- 1. <u>General</u>
  - A. The Airworthiness Limitations section is FAA-approved and specifies maintenance required under §§43.16 and 91.403 of the Federal aviation regulations, unless an alternative program has been FAA approved.
  - B. Inspections are to be carried out per Galaxy Aerospace Maintenance Manual. This section calls for inspections to be carried out at intervals of 1200 hours or five years, which ever comes first.

## PAGE INTENTIONALLY LEFT BLANK

PAGE 6002 JUNE 26/03

## Lou Martin & Assoc., Inc.

Component Maintenance Manual

## INSPECTION\REPLACEMENT & REPAIR

## TASK 25-23-04-300-801

- 1. <u>General</u>
  - A. The procedures given in these chapters are general inspection and repair procedures and are not applicable to the riveted or welded parts. The manufacturer must repair the riveted or welded junctions, which are damaged.

## TASK 25-23-04-940-805

- 2. <u>Job set-up information</u>
  - A. Tools, fixtures, equipment and materials
  - B. It is recommended that the completion center contact Lou Martin & Assoc., Inc. for replacement parts to insure quality and operation

REFERANCE	QTY	NAME
4945	AR	3M Acrylic foam tape
GE# 9034	AR	Replacement inner lens (Anti Scratch)
FMR-604 (.06 Thk.)	AR	Replacement inner lens
GE# 9034	AR	Replacement outer lens (Anti Fog
8-MIL CORD (WHITE)	AR	Replacement shade string
MS21044-N06	AR	Replacement stop nut (Regular)
MS21045-N06	AR	Replacement stop nut (Thin)
MS63040-06	AR	Replacement washer
MS24693S-632	AR	Replacement screw
MS27039S-632	AR	Replacement screw
AN526-630-R10	AR	Replacement screw
NAS548-P6-10	AR	Replacement screw
MS35207-832	AR	Replacement screw
00-113M019-1	AR	Replacement cover strip

## (1) Repair materials

<sup>&</sup>lt;u>NOTE:</u> Assure window unit lenses, plated parts, decorative mask parts are protected at all times when work is being done.

## TASK 25-23-04-200-801

#### 2. <u>Inspection of window unit</u>

- A. When inspecting the window unit write all the damage detected, in some condition, the cause and/or the source. Immediately repair all the damage found.
- B. Visually check all hardware, detail parts and assemblies for the following criteria:
  - (1) Wear, tears, fraying of the shade fabric.
  - (2) Tightening of the screws and nuts
  - (3) Condition of the Inner Lens, Outer Lens for scratches, cracks or spots.
  - (4) Condition of the reveal and handle for scratches, chipping or fading of the paint.
  - C. Do a careful check of all the parts for corrosion, distortion, incipient cracks, cracks, dents, nicks, scores, stripped threads, excessive wear, etc. which can damage the performance of the equipment and give it an unsatisfactory condition.

#### TASK 25-23-04-200-802

#### 3. <u>Replacement of Parts</u>

After the replacement of an item, write a list of the defective parts you must replace and a list of the parts on which a repair or a new production is necessary.

## TASK 25-23-04-350-802

- 4. <u>Replacement procedure for damaged shade string</u>
  - A. For removal of blind mod. See "DISASSAMBLY" section 5
  - B. Remove broken string and replace with new string.
  - C. Tie upper left screw at mid way thru string and run string thru shade assy. (See FIGURE 3/ GRAPHIC 25-23-05-991-003)
  - D. Reinsert glides into slide track and reattach to reveal.
  - E. Reattach upper blind mod. assy. (See "ASSEMBLY", section 5)

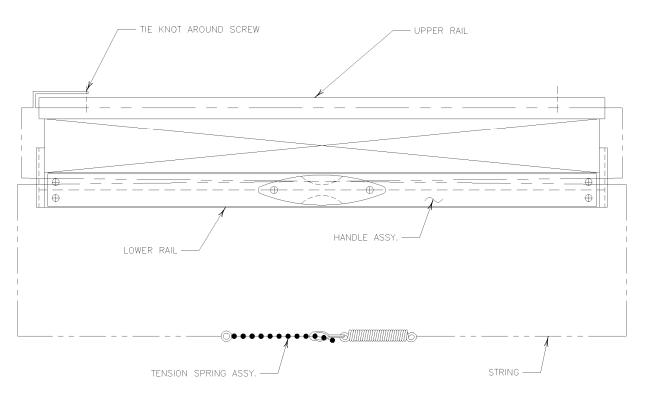


FIGURE 3/ GRAPHIC 25-23-04-991-003

## TASK 25-23-04-350-803

#### 5. <u>Replacement procedure for a damaged inner lens</u>

- A. Mark both sides of inner lens on reveal to assure replacement inner lens is properly located during reassembly.
- B. Remove inner lens from window assy. (See "DISASSEMBLY", section 5)
- C. Trim replacement inner lens to size, ref table for proper sizing. (See FIGURE 4/ GRAPHIC 25-23-04-991-004) or match size w/ damaged inner lens.
- D. Before attaching new lens decide which side of lens will be facing inboard. Peel back this side's protective film. Bond .30 x .06 thk. Self-adh. Loop side velcro to the edge of the inner lens (See FIGURE 4/ GRAPHIC 25-23-04-991-004). Note: Sand lexan surface before applying velcro.
- E. Before attaching new lens peel off protective film from the outboard side of lens. Note: Before clamping, use a static blow-off gun to eliminate dust attraction on both sides of lens
- F. Clamp replacement inner lens to window assy. (Velcro facing inboard), assure lens follows window reveal's contour. Note: it will help if the lower surface of lens is clamped first then force the lens to follow reveals contour then clamp upper lens surface. Test shade up & down to check for tension. Loose lens will ease the tension on the shade, if not refer to "Testing & Fault Isolation".
- G. Attach new inner lens to window assy. Match drill lens with existing hole locations. Then remove clamps. (See "ASSEMBLY", section 4)

PAGE 7004 JUNE 26/03

Lou Martin & Assoc., Inc. Component Maintenance Manual -13.18-VELCRO-20.63

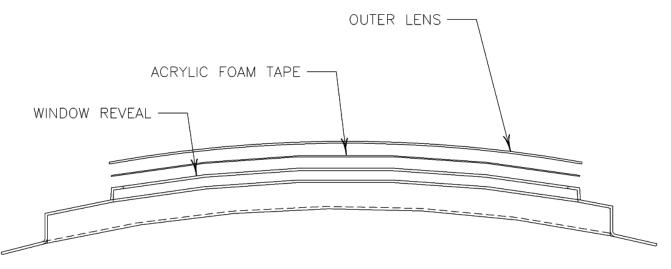
Inner Lens Dimensions FIGURE 4/ GRAPHIC 25-23-04-991-004

PAGE 7005 JUNE 26/03

#### TASK 25-23-04-350-801

#### 6. <u>Replacement procedure for outer lens (See FIGURE 5/ GRAPHIC 25-23-04-991-005)</u>

- A. Remove existing outer lens to be replaced. Note: Lens is attached w/ strong adhesive double-sided tape; some hard jerks may be required.
- B. Remove used tape from reveal and clean surface with clean cloth damped with alcohol or prepsol.
- C. Apply one layer of #4945 3M Acrylic foam tape to reveal, joining both ends of tape with a seam. (Do not overlay seam)
- D. Locate new lens and decide which side of lens to be bonded to reveal. Remove this side's protective film before bonding. Note, use a static blow-off gun to eliminate dust attraction.
- E. Center the lens at one end and work towards the top evenly on both sides pressing firmly for bonding. Go back and press additional strokes to assure full contact all around lens.
- F. Check lens and assure it follows reveal contour. Assure center of lens is not sunk, if so re-attaching lens may be required.



Outer lens replacement FIGURE 5/ GRAPHIC 25-23-04-991-005

PAGE 7006 JUNE 26/03

## ASSEMBLY

#### TASK 25-23-04-400-801

- 1. <u>General</u>
  - A. Before the assembly, make sure that the CLEANING, the CHECK and the REPAIR procedures of all parts are done.
  - B. Where it is possible, it is recommended to use new parts and genuine approved parts.

#### TASK 25-23-04-940-806

- 2. <u>Job set-up information</u>
  - A. Tools, Fixtures, equipment and materials

<u>NOTE:</u> Refer to SPECIAL TOOLS, FIXTURES, EQUIPMENT AND MATERIALS for full details on the items used.

REFFERENCE	QTY	NAME
4945	AR	3M Acrylic foam tape
GE# 9034	AR	Replacement inner lens (Anti
		Scratch)
FMR-604 (.06 Thk.)	AR	Replacement inner lens
GE# 9034	AR	Replacement outer lens (Anti Fog)
MS21044-N06	AR	Replacement stop nut (Regular)
MS21045-N06	AR	Replacement stop nut (Thin)
MS63040-06	AR	Replacement washer
MS24693S-632	AR	Replacement screw
MS27039S-632	AR	Replacement screw
AN526-630-R10	AR	Replacement screw
MS35207-832	AR	Replacement screw
00-113M019-1	AR	Replacement cover strip

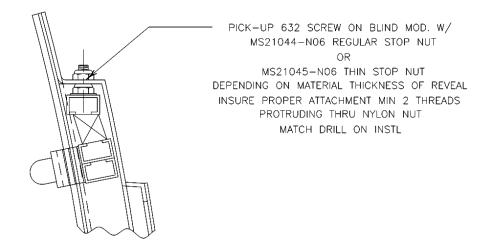
#### TASK 25-23-04-440-801

#### 3. <u>Blind mod. Reattachment</u>

A. Reattach upper blind mod. to the reveal by inserting the upper rail's screws thru the two existing holes in the top of the reveal cavity, and secure with MS21044-N04 or MS21044-N06 stop nuts. (See FIGURE 6/ GRAPHIC 25-23-04-991-006)

<u>NOTE:</u> Assure a proper attachment with a min. two threads protruding thru nylon nut.

- B. Reinsert the lower rail glides into their slide tracks and reattach slide tracks to the reveal using MS24693S-632 screw and MS21044.N06 stop nut (2 places per track)
- C. Rethread shade string thru eyelets at bottom of reveal and reattach tension spring
- D. Resucure tension spring with existing loop clamp using MS24693S-632 screw & MS21044-N06 stop nut.



## FIGURE 6/ GRAPHIC 25-23-04-991-006

#### TASK 25-23-04-440-802

#### 4. <u>Inner lens reattachment</u>

A. Reattach inner lens with AN526-632-R10 screw and MS35649 nut (4 corner attach points).

NOTE: Remove AN340-632 nut and use customer bracket /nut plate assy. upon window unit installation.

B. Reattach inner lens top and bottom center screw with AN526-632-R10 screw, MS63040-06 washer, and MS21044-N06 stop nut.

NOTE: Lower center screw is also used to attach the loop clamp.

C. Remove protective film from inboard side of lens after attachment.

#### 5. <u>Cover Strip reattachment</u>

- A. Before reattaching the cover strip match the strip with the corresponding window unit to ensure a correct fit.
- B. Reattach cover strip with MS27039-632 screw, MS63040-06 washer and MS21044-N06 nut (2 places).

# FITS AND CLEARANCES

#### TASK 25-23-04-820-801

- 1. <u>General</u>
  - A. The listed clearances are to insure the window is properly installed into the aircraft

#### TASK 25-23-04-820-802

#### 2. <u>Clearances</u>

- A. Assure a min. clearance of .063 in. (1.59 cm) between the window shade assy. and existing structure.
- B. Assure a min. clearance of .13 in. (3.18 cm) between the window assy's snout and the inboard side of the aircraft's existing pressure lens.

# PAGE INTENTIONALLY LEFT BLANK

PAGE 9002 JUNE 26/03

# SPECIAL TOOLS, FIXTURES, EQUIPMENT

#### TASK 25-23-04-940-807

# 1. <u>Special tools, fixtures and equipments</u>

No special tools, fixtures and equipment are necessary for the maintenance or the overhaul to be performed on the standard equipment.

Standard tools are used for these operations.

PAGE 10001 JUNE 26/03

# **STORAGE**

#### TASK 25-23-04-940-808

## 1. <u>General</u>

- A. When any of the window assay's need to be removed from the aircraft, Lou Martin & Assoc., Inc. recommends to stow the shade is in the up position.
- B. Store in a sheltered area with relative humidity
- C. Cover the window unit with large clean plastic bags or equivalent to protect it from dust and other airborne particles.
- D. On the outside of the bag or cover add a tag with its location in the aircraft for tracking purposes and quicker reinstallation in the aircraft.

# PAGE INTENTIONALLY LEFT BLANK

PAGE 11002 JUNE 26/03

## ILLUSTRATED PARTS LIST

#### TASK 25-23-04-950-801

#### 1. Introduction

- A. General
  - (1) The Illustrated Parts List (IPL) intends to show the details of the equipment and permits easy provisioning of the spares necessary for the maintenance of this equipment.
- B. Use of the illustrated parts list
  - (1) "Introduction" section

The introduction contains all explanatory information for the individual sections necessary for the use of this IPL.

(2) "Illustrated Parts List" section

The detailed parts list gives the list and the illustrations of parts making up the considered assembly. The different columns of the parts list pages are organized as follows:

- 1<sup>st</sup> column: Figure and item number
- 2<sup>nd</sup> column: Manufacturer's part number
- 3<sup>rd</sup> column: Airline part number (not used)
- 4<sup>th</sup> column: Indenture
- 5<sup>th</sup> column: Designation
- 6<sup>th</sup> column: Usage from to
- 7<sup>th</sup> column: Quantity per Assembly
- (a) Figure and item number
  - <u>1</u> Each illustration receives a figure number starting at 01 and carrying on in sequence.
  - <u>2</u> Each illustration can be divided up into several folios
  - <u>3</u> When it is necessary to add figures, alphabetic indexes are added to the original figure, from A to Z, except I and O

INTRO IPL PAGE 1 JUNE 26/03

25-23-04

- An item number is attributed to each part mentioned in the detailed parts list. Numbers start at 001A up to 999A per sequence of 10 by 10 or else in order to insert additional items.
- 5 Alternative parts have the same item as the initial part and are indexed.
- <u>6</u> To follow the evolution of the standard of parts or assemblies modification, items are indexed from B to Z, except I and O.
- <u>7</u> Non-illustrated items are identified by a dash placed in front of the item.
- (b) Manufacturer's part number

This column indicates the original manufacturer's part number or the part manufacturer.

(c) Airline part number

This column is left blank; it is reserved for the airline.

(d) Indenture

The designation is presented according to indentations indicating as follows the relation between the different components:

- 1 Assembly
- 2 Sub-assemblies
- 2 Attaching parts of the sub-assembly
- 3 Constitutive parts of the sub-assembly
- 3 Attaching parts of the sub-assembly
- 4 Constitutive parts of the sub subassembly Etc.

INTRO IPL PAGE 2 JUNE 26/03

(e) Designation

The designation of the item can be followed by:

- The CAGE manufacturer's code,
- Cross-references indicating numbers, figures, items where this very item is illustrated.
- (f) Usage from to

The interchangeability relation of constitutive parts according to the higher assembly is identified by the item number.

This code is only valid for the assembly dealt with in the corresponding figure.

Example:

			Ι		USAGE	UNITS
FIG-ITEM	PART MUMBER	AIRLINE PART	Ν	NOMENCLATURE	FROM	PER
		NUMBER	D		ТО	ASSY.
- 1A	PN1		1	ASSEMBLY 1		RF
- 1B	PN2		1	ASSEMBLY 2		RF
- 1C	PN3		1	ASSEMBLY 3		RF
10A	SPN1		2	SUB-ASSEMBLY 1	1AC	1
10B	SNP2		2	SUB-ASSEMBLY 2	1B	1
20A	SSNP1		3	SUB SUB-ASSEMBLY 1	10A	1
20B	SSPN2		3	SUB SUB-ASSEMBLY 2	10B	1
30A	SPN3		2	SUB-ASDSEMBLY 3		1

(g) Quantity per assy.

This column gives the number of parts required for an immediately higher assembly.

If a same assembly or a same part appears in several figures, the quantity is only given in the first parts list; the RF abbreviation appears in the following parts list.

If the quantity of a component is to be established as required (EX. seal, etc.) the quantity is replaces by the term AR (as required)

## (2) <u>How to use the Illustrated Parts List</u>

- (a) When the part number is known:
  - <u>1</u> Turn to the numerical index and locate the part number.
  - 2 The figure and item number on the illustration where the part appears are listed in the column to the right of the part number.
  - <u>3</u> The corresponding item number in the accompanying parts list will give part number, description, assembly relationship and quantity required for that particular application.
- (b) When the part number is not known:
  - 1 Look through the illustrations and find the assembly of which the component is part, or look through the illustrations and identify the part by appearance. Note the item number in the exploded view and find part, description and quantity required for that part.

INTRO IPL PAGE 4 JUNE 26/03

# (5) List of abbreviations

The following abbreviations have been used in this CMM:

AR	As Required. Indicates that an indefinite quantity is required
ASSY	Assembly
CMM	Component Maintenance Manual
CAGE CODE	Commercial and Government Entity Code
DET	Detail
FIG	Figure
Н	Horizontal
IND	Indenture
IPL	Illustrated Parts List
LH	Left Hand
NHA	Next Higher Assembly
NP	After any description means that this part number constitutes an assembly of breakdown parts not supplied as a whole. Although not procurable, a view of each assembly, sub-assembly, sub-sub- assembly, or small unit, exploded as necessary to show detail parts, is provided to illustrate each part in the detail parts list. Illustrations of all parts will be technically correct in assembly installation relation ships.
QTY	Quantity
RF	Reference indicates those parts which have their quantity listed elsewhere in the Illustrated Parts List.
R	Recline
RH	Right Hand
SYM	Symmetrical
V	Vertical

INTRO IPL PAGE 5 JUNE 26/03

# PAGE INTENTIONALLY LEFT BLANK

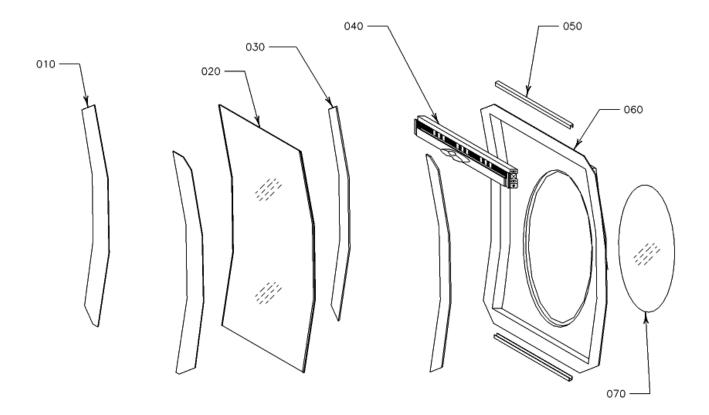
INTRO IPL PAGE 6 JUNE 26/03

# 3. <u>Alphanumerical index</u>

PART NUMBER	AIRLINE STOCK NUMBER	FIGURE	ITEM	TTL REQUIRED
00-113M004-3		08	80	1
00-113M004-4 (OPP)		08	50	1
00-113M014-7		08	30	1
00-113M019-1		07	010	2
2024-T3511		08	10 60	3
75W7X1 /8		07	050	2
834-XXXX		08	40	(IF EQUIP.) A/R
GALX-113M005-1		07	10	1
GALX-113M006-5		09	030	1
GALX-113M006-51		07	040	2
GALX-113M006-57/-79		07	020	1
GALX-113M006-59/-81		07	070	1
GALX-113M006-7		08	20	1
MS24693S-632		08	100	A/R
MS63040-06		08	120 110	A/R A/R
NAS548-P6		08	90	A/R

PART NUMBER	AIRLINE STOCK NUMBER	FIGURE	ITEM	TTL REQUIRED

ALPHANUMERICAL INDEX PAGE 2 JUNE 26/03

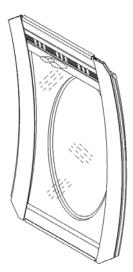


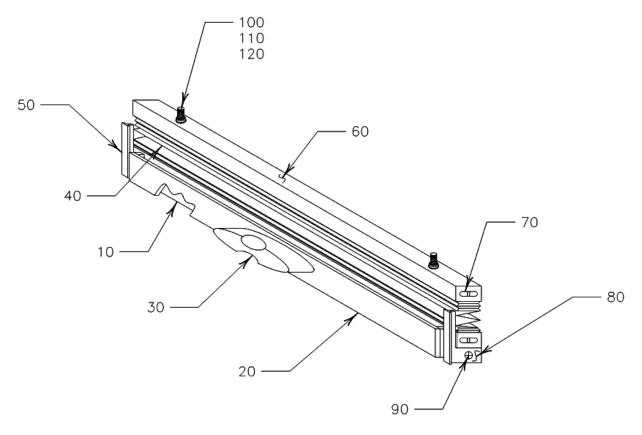
Decorative Mechanical Window Shade Assy. FIGURE 7/ GRAPHIC 25-23-04-991-007

> PAGE 12001-0 JUNE 26/03

07 FIG-ITEM	PART MUMBER	AIRLINE PART NUMBER	I N D	NOMENCLATURE	USAGE FROM TO	UNITS PER ASSY.
010	00-113M019-1		1	COVER STRIP		2
020	GALX-113M006- 57/-79		1	INNER LENS		1
030	GALX-113M006-5		1	SLIDE TRACK ASSY.		2
040	GALX-113M006-51		1	BLIND MOD. ASSY.		1
050	75W7X1 /8		1	TRIM-LOK DECORATIVE TRIM (IF EQUIPTED)		2
060	GALX-113M005-1		1	WINDOW REVEAL		1
070	GALX-113M006- 59/-81		1	OUTER LENS		1

PAGE 12001-1 JUNE 26/03





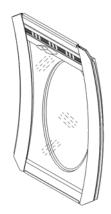
Blind Mod. Assy. FIGURE 08/ GRAPHIC 25-23-04-991-008

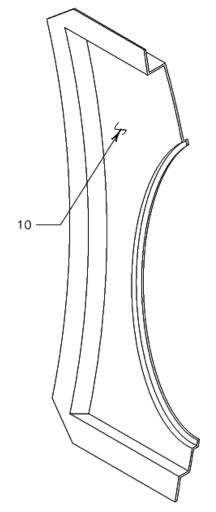
> PAGE 12002-0 JUNE 26/03

25-23-04

08 FIG-ITEM	PART MUMBER	AIRLINE PART NUMBER	I N D	NOMENCLATURE	USAGE FROM TO	UNITS PER ASSY.
10	2024-T3511 ALUM.	NOWBER	1	LOWER RAIL	10	2
20	GALX-113M006-7		1	HANDLE ASSY.		1
30	00-113M014-7		1	GRAB HANDLE		1
40	834-XXX		1	SHADE FABRIC		1
50	00-113M004-4 (OPP)		1	GLIDE		1
60	2024-T3511 ALUM.		1	TOP RAIL		1
70	SUPPLIED W/ BLIND		1	END CAP		4
80	00-113M004-3		1	GLIDE		1
90	NAS548-P6		1	WOOD SCREW		2
100	MS24693S-632		1	C'SNK SCREW		2
110	MS63040-06		1	WASHER		2
120	MS24693S-632		1	STOP NUT		2

PAGE 12002-1 JUNE 26/03





Window Reveal. FIGURE 9/ GRAPHIC 25-23-04-991-009

PAGE 12003-0 JUNE 26/03

25-23-04

09 FIG-ITEM	PART MUMBER	AIRLINE PART NUMBER	I N D	NOMENCLATURE	USAGE FROM TO	UNITS PER ASSY.
10	GALAX-113M005-1		1	WINDOW REVEAL		1

PAGE 12003-1 JUNE 26/03