








SUBJECT:

Required maintenance for the Adjustable Glare Shield MOD (P/N 130-885114).

APPLICABILITY :

Aircraft with the subject modification embodied in accordance with TCCA STC No. O-SH11-35 or any relevant foreign approvals.

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APP'D / ACCEPTED (Civil A/W Authority)	As per ICA Compliance Check Sheet 	14 June 2013	TCCA
RELEASED BY:	P. Sharpe 	17 Jun 2013	ECL ENGINEERING



RECORD OF REVISIONS

Rev.	Pages at this Revision	Description, Reason Changed Pages	Prepared (name and date)	Checked (name and date)	App'd/Acc'd (Civil A/W Authority) (name and date)	Released (name and date)
0	1 through 12	Original Issue	D. Kerr 15 August 2011	C. Timmins 16 August 2011	TCCA K. Chan 15 September 2011	B. Manson 20 September 2011
1	1 through 12	Revised the Airworthiness Limitations statement in Sec. 2. Revised 100 FH inspection to 150 FH inspection. Additional abbreviations added. Reference to Glove Box shown in Figure 4. (Pages 3, 7 to 11)	See Page 1.	See Page 1.	See Page 1.	See Page 1.

NOTE: Revisions to this document will be distributed to operators of this equipment by the STC holder.
NOTE: Revised portions of affected pages are identified by a vertical black line in the margin adjacent to the change.

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1. GENERAL

- A. The subject Adjustable Glare Shield attaches to the existing instrument panel. Preset adjustment holes enable the glare shield to be adjusted to suit the pilots personal preference. The glare shield protects against glare on the windows and against incoming light on the screens while allowing better visibility of the upper portion of the instrument panel. Refer to Figure 1 for General Layout.

Before flight, the pilot adjusts the glare shield by loosening the wing head studs located on either side of the aft glare shield section. Once the suitable adjustment is made, the glare shield is secured to the spacers by tightening the wing head studs.

For instructions of initial installation, see IP-ECL-130.

Refer to Figure 1 for General Layout.

- B. These Instructions for Continued Airworthiness are applicable to aircraft with the subject modification embodied.

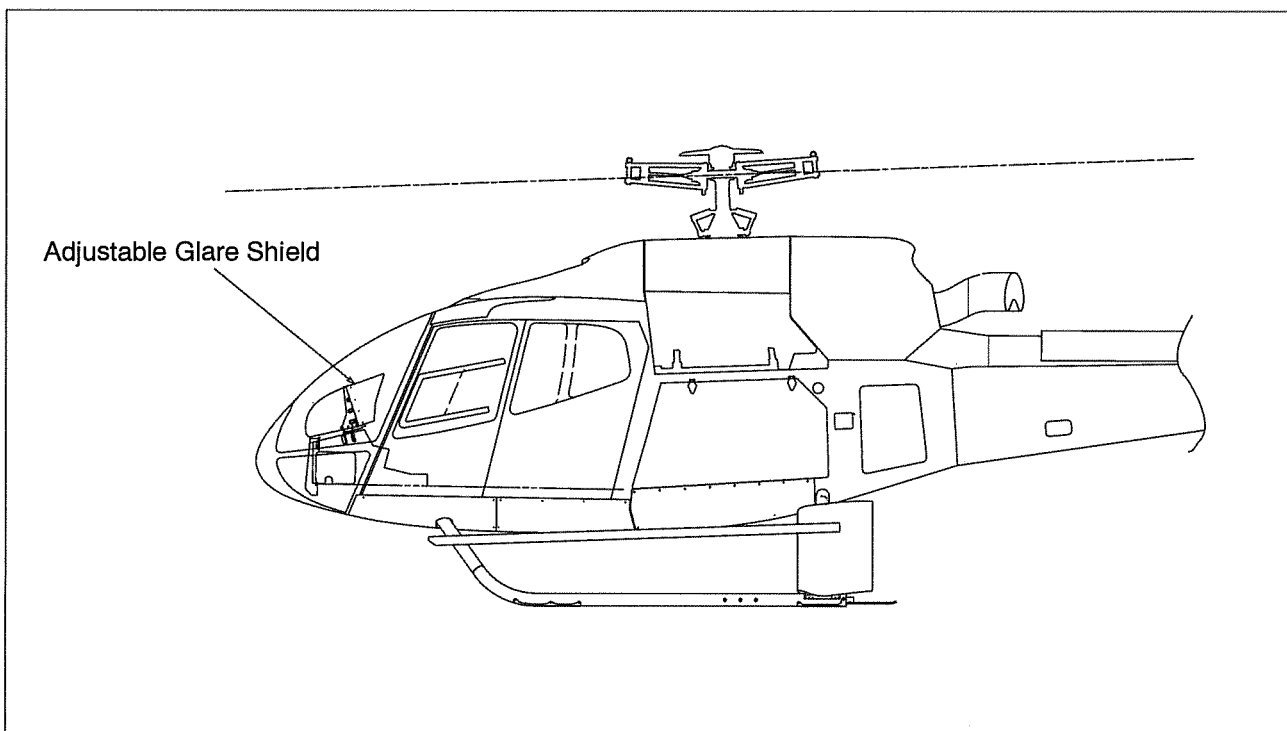


Figure 1 General Layout

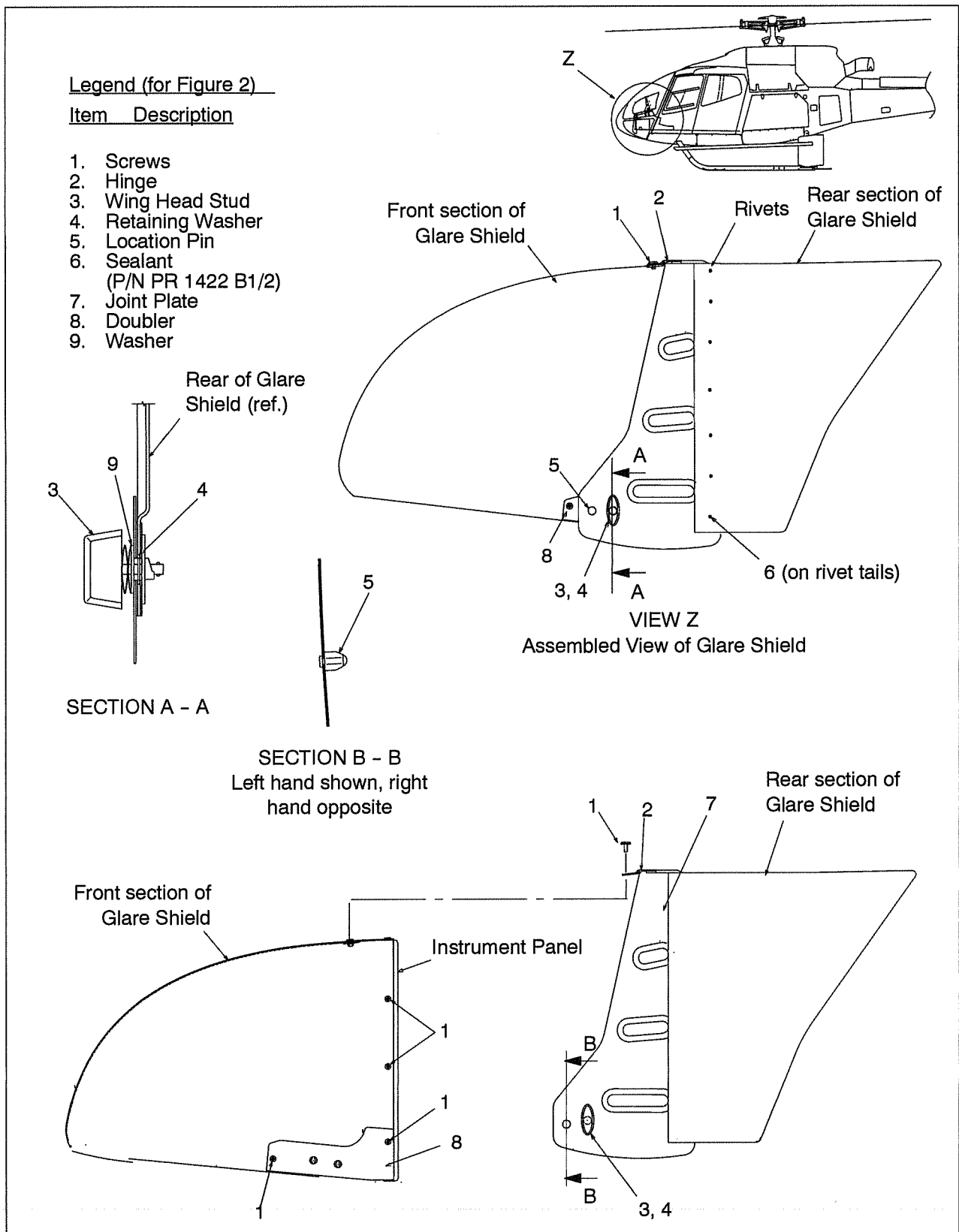


Figure 2 - Adjustable Glare Shield

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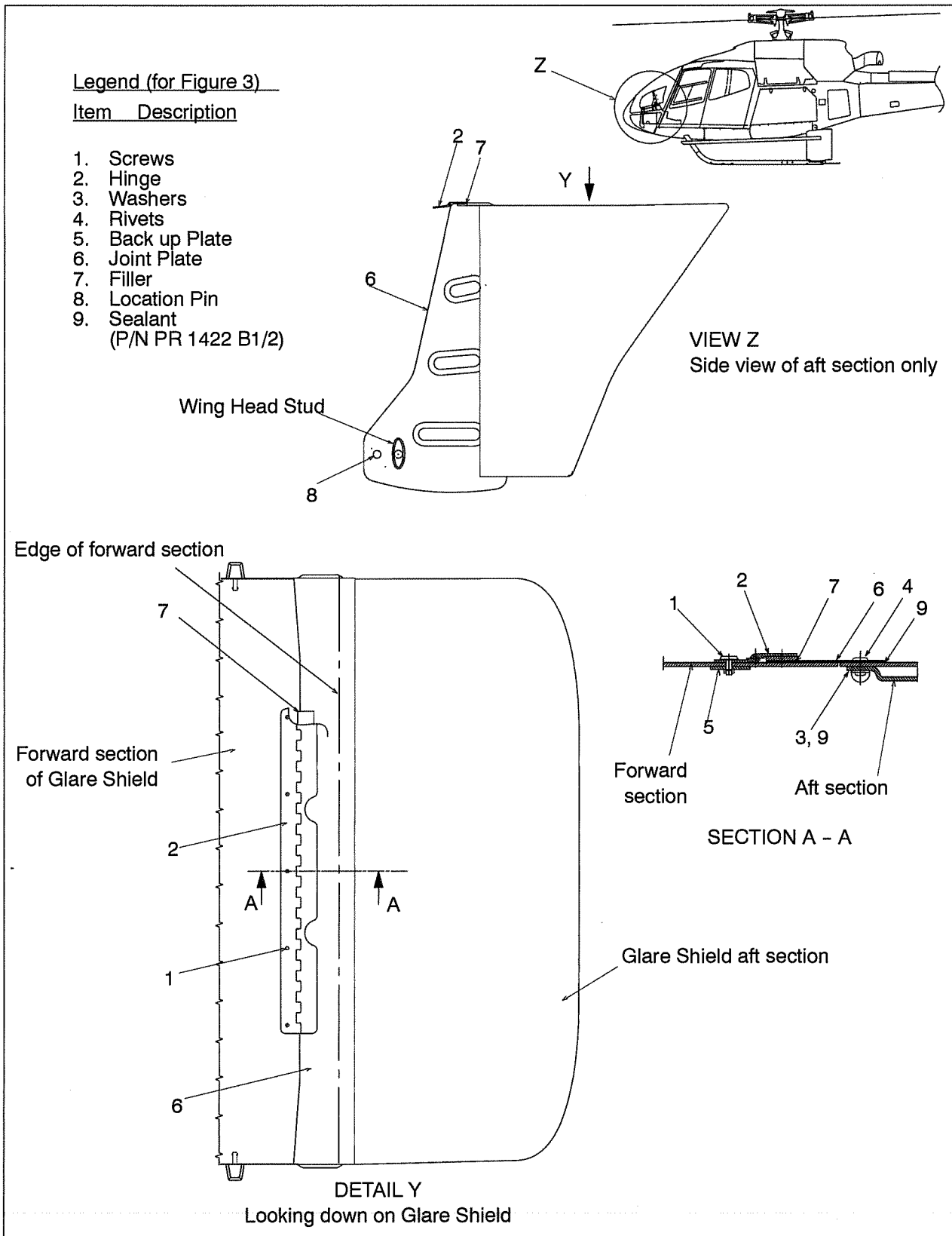


Figure 3 - Detail of Aft Section

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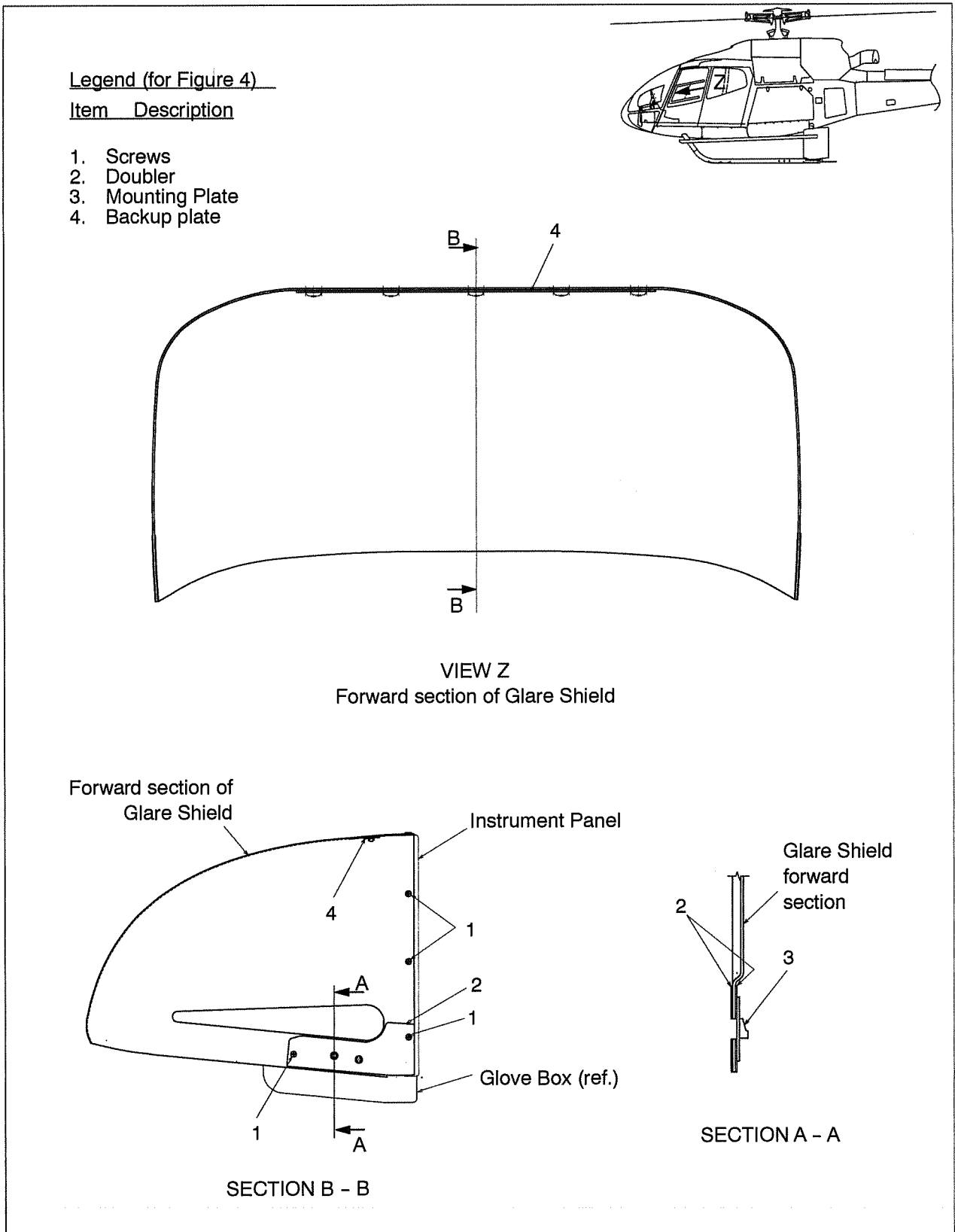


Figure 4 - Detail of Forward Section

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C. REFERENCES

DOCUMENT	DOCUMENT TITLE
AMM	Aircraft Maintenance Manual
IP-ECL-130	Installation Procedure - Adjustable Glare Shield Mod
MTC	Standard Practices Manual

D. ABBREVIATIONS & DEFINITIONS

ABBREVIATION	DEFINITION
D	Days
ECD	Eurocopter (Deutschland)
ECL	Eurocopter Canada Limited
FH	Flight Hours
hrs.	hours
Misc.	Miscellaneous
MOD	Modification
M	Months
OEM	Original Equipment Manufacturer
P/N	Part Number
ref.	reference

E. UNITS OF MEASUREMENT

ABBREVIATION / SYMBOL	UNIT OF MEASUREMENT
kg	kilogram
lb	pound
m	meter
mm	millimeters
in	inch

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2. **AIRWORTHINESS LIMITATIONS**

The Airworthiness Limitations section is approved by the Minister and specifies maintenance required by any applicable airworthiness or operating rule unless an alternative program has been approved by the Minister. Variations must also be approved.

The Airworthiness Limitations section is FAA approved and specifies inspections and other maintenance required under Sections 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.

No airworthiness limitations associated with this installation.

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3. CONTROL AND OPERATION

Control and operation of the aircraft remains unchanged.

4. INSPECTION SCHEDULE AND MAINTENANCE ACTION

NOTE: Use torque per MTC, Chapter 20.02.05.404, unless otherwise specified.

4.1. INSPECTION SCHEDULE

4.1.1. Every 150 FH or 12 M (Margin: 15 FH or 36 D) to coincide with the 150 FH or 12 M helicopter inspection, whichever occurs first:

ITEM	INSPECTION OR MAINTENANCE WORK	CORRECTIVE ACTION
A	- Check Adjustable Glare Shield, shown in Figure 2 for a. security	a. Secure as required.

Table 1 Inspection Schedule and Maintenance Action

Every 150 FHS or 12 M, to coincide with the 150 FHS or 12 M helicopter inspection, whichever occurs first

4.1.2. Every 600 FH or 24 M (Margins: 60 FH or 73 D) to coincide with the 600 FH or 24 M helicopter inspection, whichever occurs first:

ITEM	INSPECTION OR MAINTENANCE WORK	CORRECTIVE ACTION
A	- Check mounting hardware, item 1, that secures the hinge to the front section of the glare shield shown in Figures 2 and 3 for: a. security	a. Secure as required.
B	- Check mounting hardware, item 1, that secures the front section of the glare shield and doublers, item 2, to the instrument panel shown in Figure 4 for: a. security	a. Secure as required.
C	- Check wing head stud, item 3, shown in Figure 2 for: a. security	a. Secure as required.
D	- Check security of the location pin, item 5 in Figure 2 for: a. security	a. Secure as required.

Table 2 Inspection Schedule and Maintenance Action

Every 600 FH or 24 M, to coincide with the 600 FH or 24 M helicopter inspection, whichever occurs first
(continued on following page)



4. INSPECTION SCHEDULE AND MAINTENANCE ACTION

4.1.2. Every 600 FH or 24 M (Margins: 60 FH or 73 D) to coincide with the 600 FH or 24 M helicopter inspection, whichever occurs first:

ITEM	INSPECTION OR MAINTENANCE WORK	CORRECTIVE ACTION
E	<ul style="list-style-type: none"> - Check dome seal covering rivets securing aft section of glare shield to joint plate, item 6 shown in Figure 2 for: <ul style="list-style-type: none"> a. deterioration 	<ul style="list-style-type: none"> a. Clean area and reseal with sealing compound (P/N PR 1422 B1/2) in accordance with MTC, Chapter 20.05.01.219.
F	<ul style="list-style-type: none"> - Inspect glare shield shown in Figure 2 for: <ul style="list-style-type: none"> a. cracking 	<ul style="list-style-type: none"> a. No cracking is allowed. If cracking is found contact Eurocopter Canada Limited for replacement parts.

Table 2 Inspection Schedule and Maintenance Action
Every 600 FH or 24 M, to coincide with the 600 FH or 24 M helicopter inspection, whichever occurs first

5. REPLACEMENT COMPONENTS AND REPAIR / OVERHAUL INFORMATION

No replacement components and repair/overhaul information required for this installation.

6. TROUBLESHOOTING

There are no unique characteristics which require troubleshooting techniques.

7. SPECIAL TOOLING

No special test equipment or tools are required. Standard tools are adequate.

8. REMOVAL AND REPLACEMENT

The Adjustable Glare Shield is a permanent installation.

9. WEIGHT AND BALANCE DATA

A. Removed Items

DESCRIPTION	WEIGHT		ARM		MOMENT	
	kg	lbs	m	in	kg m	lb in
Standard Glare Shield	0.00	0.0	0.00	0.0	0.00	0.0
Total	0.00	0.0	0.00	0.0	0.00	0.0

B. Added Items (7-Place configuration)

DESCRIPTION	WEIGHT		ARM		MOMENT	
	kg	lbs	m	in	kg m	lb in
Joint Plate	0.55	1.2	0.97	38.2	0.53	45.8
Hinge	0.09	0.2	0.97	38.2	0.09	7.6
Back up Plate	0.04	0.1	0.97	38.2	0.03	3.8
Filler	0.04	0.1	0.97	38.2	0.04	3.8
Doubler	0.09	0.2	0.97	38.2	0.09	7.6
Wing Head Stud	0.09	0.2	0.97	38.2	0.09	7.6
Misc. Hardware	0.20	0.4	0.97	38.2	0.19	15.3
Total	1.09	2.4	0.97	38.2	1.06	91.7

10. PLACARDS AND MARKINGS

There are no Placards or Markings with this modification.

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