SUBJECT:

Required maintenance for Left Side Pilot Configuration (P/N 350-400004 / 74 and 350-400164).

APPLICABILITY :

Aircraft with the subject modification embodied in accordance with TCCA STC No. SH96-32 or any relevant foreign approvals.

The information and data contained in this document supersede or supplement that contained in the basic AS 350 Maintenance documentation in those areas listed herein. For procedures not contained in this document refer to the Approved Maintenance Manual or any other accepted supplemental Maintenance Manual Supplemental.

This ICA is to be used in conjunction with the Approved AS 350 Maintenance Manual for the aircraft with the subject design change incorporated.

The information and data contained in this document supersede or supplement that contained in the basic AS 350 Maintenance documentation in those areas listed herein. For procedures not contained in this document refer to the Approved Maintenance Manual or any other Supplemental Instructions for Continued Airworthiness.

The Supplemental ICA is to be used in conjunction with the Approved AS 350 Maintenance Manual for the aircraft with the subject design change incorporated.

The Airworthiness Limitations section is FAA approved and specifies maintenance required under 14 CFR Secs. 43.16 and 91.403 unless an alternative program has been FAA approved.

	NAME AND SIGNATURE	DATE	COMPANY DEPARTMENT
PREPARED BY:	D. Kerr Digitally signed by D. Kerr Date: 2024.02.22 11:57:47 -05'00'		AHCA ENGINEERING
PREPARED BY:			
CHECKED BY:	J. Winfield Digitally signed by J. Winfield Date: 2024.02.22 12:00:27 -05'00'		AHCA ENGINEERING
CHECKED BY:	Derek Riemer Digitally signed by Derek Riemer Date: 2024.02.23 14:53:11 -05'00'		AHCA QUALITY ASSURANCE
REV. 8 ACCEPTED (Civil A/W Authority)	(As per ICA Compliance Check Sheet)		TCCA
REV. 8 RELEASED BY:	Loic Meuret Digitally signed by Loic Meuret Date: 2024.03.05 09:40:50 -05'00'		AHCA 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 36	Original Issue	D. Kerr 13 April 2009	C. Timmins 13 April 2009	N/A	R. Manson 26 June 2009
1	1 through 36	Revised inspection schedule from 500 flight hrs to 600. Revision to text to ensure correct operating procedure regarding lock on collective. (Pages 4, 22 and 25)	D. Kerr 26 June 2009	C. Timmins 26 June 2009	TCCA Alex Pompei 16 July 2009	R. Manson 17 July 2009
2	1 through 39	Updated General section to show english version of AMS documents. Incorporated Inspection details as given in SB 05.00.59 for the bellcrank support. (Pages 3 to 6, 19, 21, 23, 24, 32, 37 to 39)	D. Kerr 20 May 2010	C. Timmins 20 May 2010	TCCA G. David 20 May 2010	R. Manson 25 May 2010
3	1 through 53	Update to add AMS 07 4280 to capture IP changes, center console and ALPHA Panel. Addition of AS 350 B2/B3 AMM reference locations. relocation. (Pages 3 to 5, 11 to 22, 24 to 47, 50 to 53)	D. Kerr 25 October 2012	C. Timmins 25 October 2012	TCCA Alex Pompei 29 October 2012	R. Manson 5 November 2012
4	1 through 53	Revised the Airworthiness Limitations statement in Section 2. (Page 23)	D. Kerr 1 February 2013	C. Timmins 1 February 2013	TCCA G. David 4 February 2013	P. Sharpe 12 February 2013
5	1 through 59	Addition of POST MOD AMS 07-3283 which adds an idle stop and label to the throttle quadrant . Part numbers revised in Figure 17 & 18. Section 8 revised. Addition of Weight and Balance chart for 350-400074. (Pages 3, 4, 5, 7 to 18, 22, 24, 25, 27 to 30, 36 to 47, 49, 50, 52, 54 to 59)	D. Kerr 25 July 2013	C. Timmins 25 July 2013	TCCA G. David 15 August 2013	P. Sharpe 9 September 2013
6	1 through 61	Revision to MOD status: POST MOD AMS07-3283/07-4685. Addition of EASA airworthiness limitations statement. (Pages 4, 5, 7, 19, 24 & 25)	D. Kerr 10 Sept. 2013	C. Timmins 11 Sept., 2013	TCCA G. David 24 Oct., 2013	P. Sharpe 25 Oct., 2013
7	1 through 70	Template revised and hardware part numbers added to Figures. Introduction of POST MOD AMS 07-20112 Avionics Step 2 Instrument Panel with relocation of hand held fire extinguisher. Load meter relocation for the new C40 load meter interface. Added AS 350 B3 with 2D Engine 750 FH Maintenance Inspection. Wiring drawings revised for "Accu Test" switch on SMS console. Addition of Export Control statement. (Pages 6 to 70)	D. Kerr 1 June 2023	D. Kapuscinsky 1 June 2023	TCCA S. Camer 1 June 2023	L. Meuret 1 June 2023

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.
NOTE: Minor changes are released in accordance with TCCA - ACCEPTED CAR 521-154 procedures (ref. DAPM-E-0001).

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)
8	1 through 72	Inspection maintenance Schedule for B3 from 600 FH to 750 FH. Tools required for GI 275 Functional test added to Section 7. Addition of a ground test to be performed in accordance with ATP H340I0226540 in Section 8. (Pages 7, 40, 43 to 48, 61, 64)	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.
NOTE: Minor changes are released in accordance with TCCA - ACCEPTED CAR 521- 154 procedures (ref. DAPM- E- 0001).

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CONTENTS

FIGURES

FIGURES (continued)

FIGURES (continued)

TABLES

1. GENERAL

A. The subject left side pilot configuration is offered to provide better visibility during cargo sling operations and to improve space in the cabin for the installation of other optional equipment such as the Two Place Seat. Refer to Figure 1.

The Pre- Modification condition for the AS 350 B3 refers to helicopters equipped with the fuel shut- off and rotor brake mounted on the floor. The Post- Modification condition for the AS 350 B3 refers to helicopters equipped with the fuel shut- off and rotor brake mounted on the overhead console panel.

NOTE: Please follow the chart given below for applicable drawing number:

HELICOPTER TYPE	MODIFICATION STATUS	PART NUMBER
AS 350 BA	not applicable	350- 400004
AS 350 B2	Pre and Post Mod AMS 07- 3274	350- 400004
AS 350 B2	Post Mod AMS 07- 3283R2/ 07- 4685	350- 400004
AS 350 B2	Post Mod AMS 07- 4280	350- 400004
AS 350 B3	Pre Mod AMS 07- 2816	350- 400074
AS 350 B3	Post Mod AMS 07- 2816	350- 400164
AS 350 B3	Post Mod AMS 07- 3274	350- 400164
AS 350 B3	Post Mod AMS 07- 4280	350- 400164
AS 350 B3	Post Mod AMS 07- 20112 (Avionics Step 2 Standard Configuration)	350- 400164

For English translation of AMS 07- 2816 refer to Airbus Helicopters Canada Limited Document DOC- E- 0047.

For English translation of AMS 07- 3274 refer to Airbus Helicopters Canada Limited Document DOC- E- 0048.

MOD AMS 07- 4280 introduced upgrades to the pilot compartment with the installation of the new Multiblock Center Console for the AS 350 B2 & B3.

POST MOD AMS 07- 3283/07- 4685 for the AS 350 B2 added an idle stop to the throttle quadrant.

For AS 350 B3 POST MOD AMS 07- 5601 equipped with Arriel 2D engines, an “Accu Test” switch was added to aircraft equipped with the SMS console in accordance with SB AS 350- 01.00.66.

For POST MOD AMS 07- 20112, the Avionics Step 2 Instrument Panel has been transposed for left side pilot installation. Sections of the pitot and static lines have been replaced with new pitot and static lines following the route of the OEM tubing and secured into existing connections on the relocated IESI (GI 275 unit). Refer to Figures 7 to 9. The right hand USB outlet has also been relocated to the LH side with this revision. Refer to Figure 9. The hand held Fire Extinguisher is also repositioned inboard of the LH seat and aft of the map case. Refer to Figure 26.

For AS 350 B3, the load meter is relocated to the LH side door post for the new C40 load meter Interface. Refer to Figure 30.

1. **GENERAL** (continued)

The left side pilot configuration consists of the following main components:

- Left Side Pilot Flight Control Installation
- Instrument Panel Modification
- Center Console Modification
- OAT Probe Relocation (BA and B2 only)
- Portable Fire Extinguisher Relocation
- Load Meter Relocation (optional if Load Meter already exists in aircraft)
- Remote Caution Annunciator System (optional if Load Meter already exists in aircraft)

For AS 350 BA, B2 and B3 PRE MOD AMS 07-20112 with 7 seat option, the fire extinguisher is relocated from its position in the basic aircraft on the RHS of the pilot's cyclic stick to the inboard side of the LH seat. Refer to Figure 25. For AS 350 B3, PRE MOD AMS 07-20112 without 7 seat option and POST MOD AMS 07-20112, the Fire Extinguisher is relocated inboard of the LH seat, aft of the map case. Refer to Figure 26.

For additional information on all Instrument Panel MOD's, refer to Figures 2 to 9.
For additional information of the Center Console MOD's, refer to Figures 10 to 12.

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

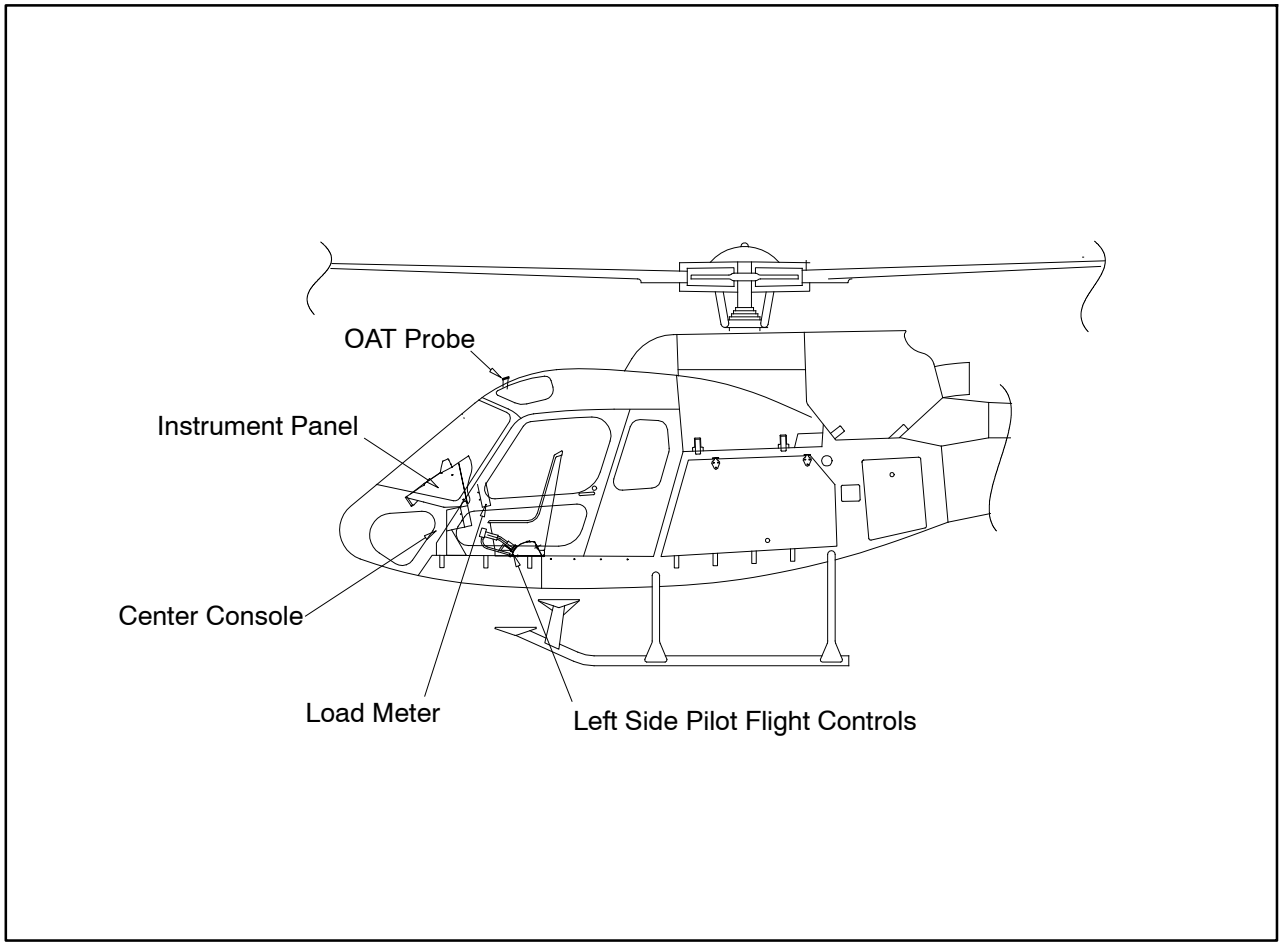

Figure 1 General Layout

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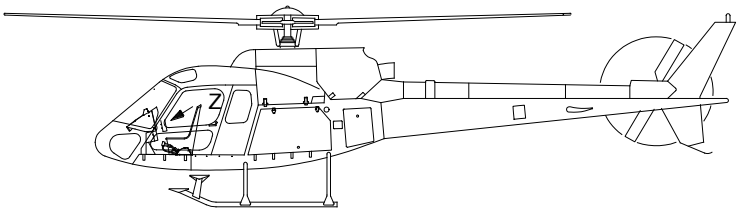
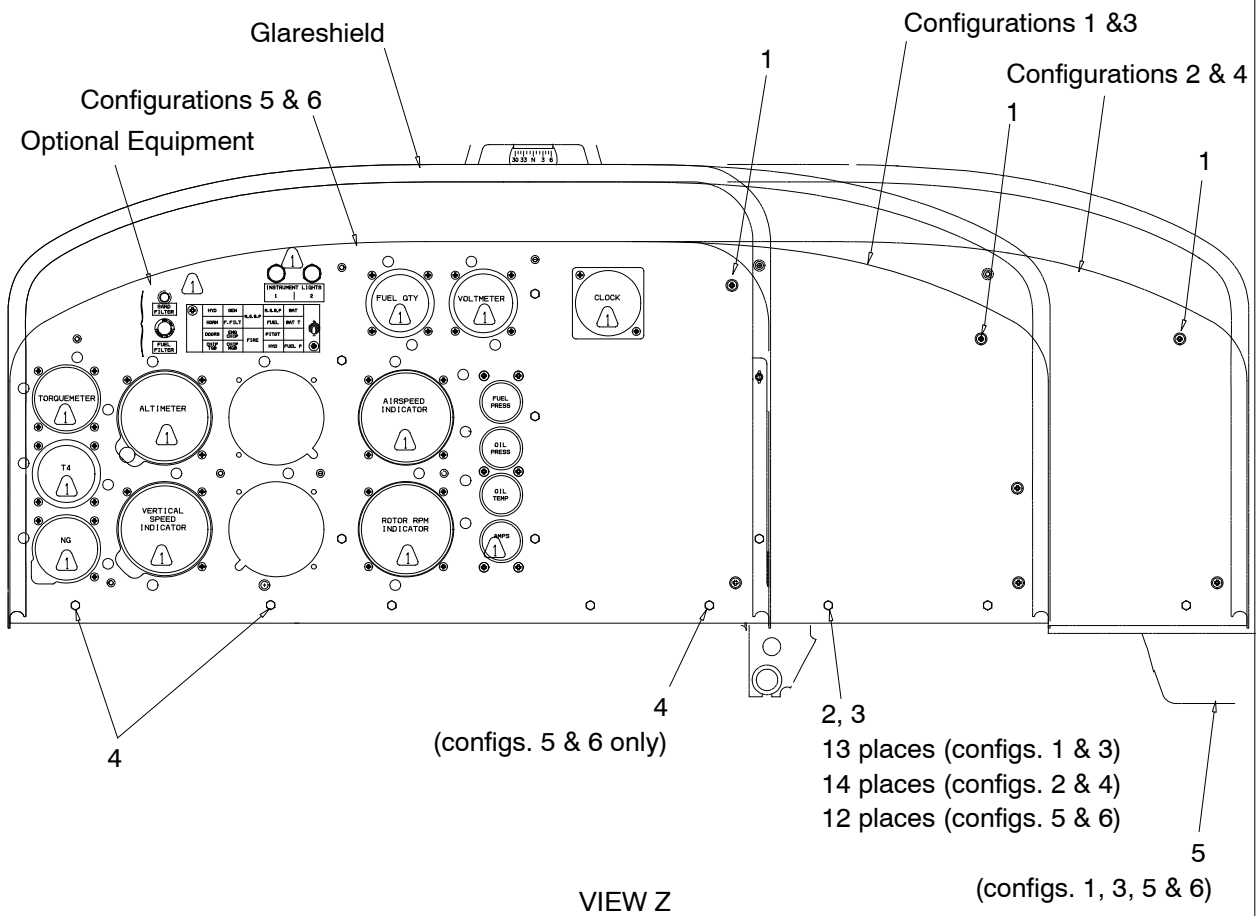


Legend (for Figure 2)

Item Description

1. Screw (P/N A0164TK040016X)
2. Screw (P/N LN9038-04012)
3. Washer (P/N LN9016-04K)
4. Nut (P/N 52409-64C)
5. Storage Shelf



Configuration 1 For standard panel of AS 350 B2
Configuration 2 For extended panel on AS 350 B2
Configuration 3 For standard panel on AS 350 BA
Configuration 4 For extended panel on AS 350 BA
Configuration 5 For tour panel on AS 350 B2
Configuration 6 For tour panel on AS 350 BA

△1 Existing standard instruments and mounting hardware used.

NOTES

Figure 2 Instrument Panel MOD, PRE MOD AMS 07-3274 (AS 350 BA & B2)

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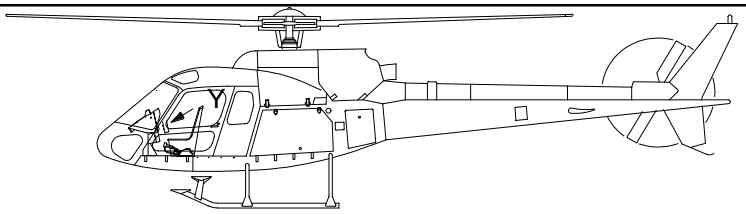
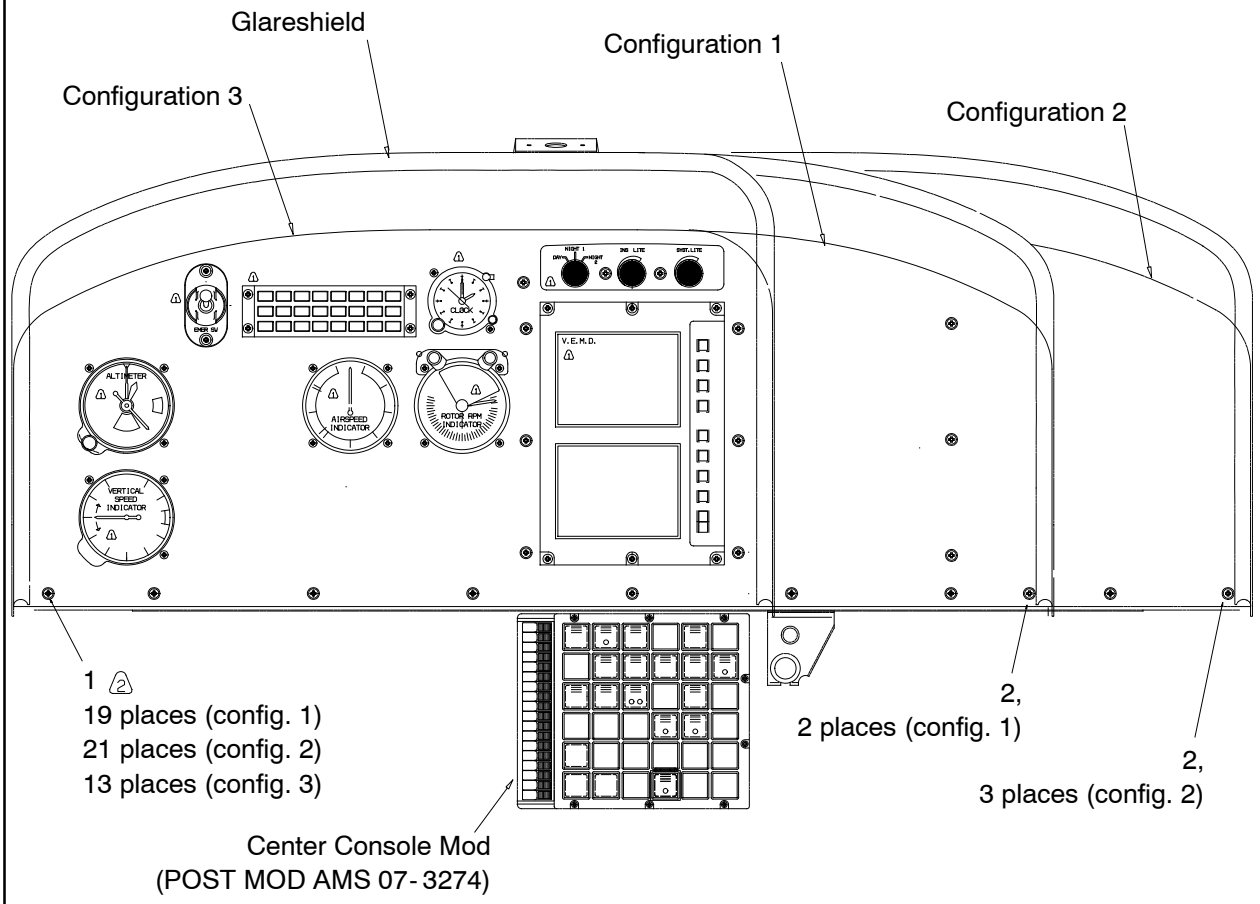


Legend (for Figure 3)

Item Description

1. Screw (P/N A0164K040S014X)
2. Rivnut (P/N TYE854M4C5C)
3. Electrical Joint Compound (P/N Penetrox A13)



VIEW Y

Configuration 1 For standard panel on AS 350 B2
Configuration 2 For extended panel on AS 350 B2
Configuration 3 For tour panel on AS 350 B2

(2) Contact between mating surfaces to be kept free from protective coating. Before installation, apply electrical joint compound (3).

(1) Existing standard instruments and mounting hardware used.

NOTES

Figure 3 Instrument Panel MOD, POST MOD AMS 07-3274 (AS 350 B2)

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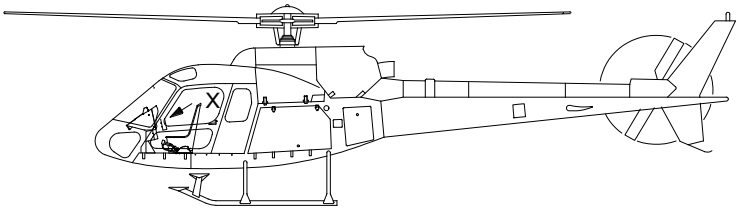
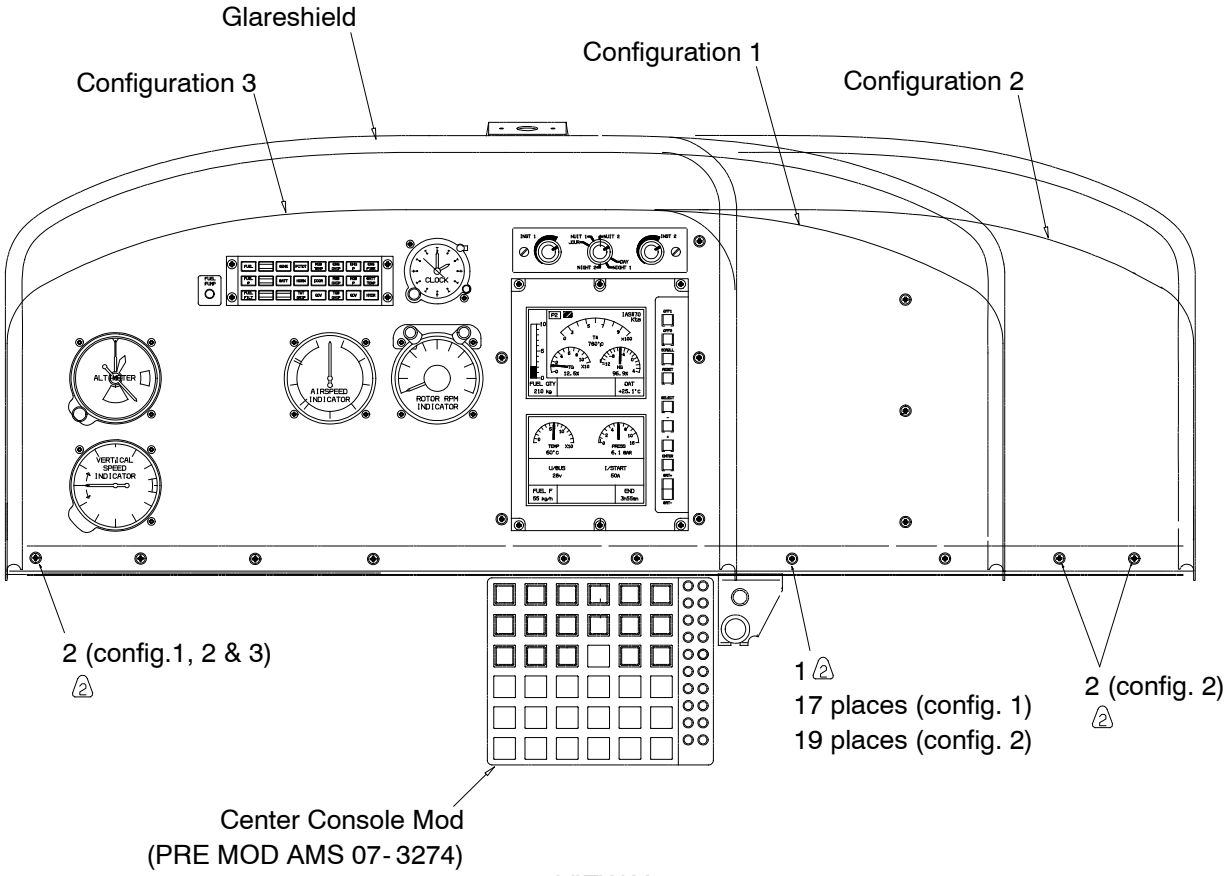


Legend (for Figure 4)

Item Description

1. Screw (P/N A0164TK040016X)
2. Nut (P/N 52409-64C)
3. Electrical Joint Compound (P/N Penetrox A13)



VIEW X

Configuration 1 For standard panel of AS 350 B3
Configuration 2 For extended panel on AS 350 B3
Configuration 3 For tour panel on AS 350 B3

2 Contact between mating surfaces to be kept free from protective coating. Before installation, apply electrical joint compound (3).

1. Existing standard instruments and mounting hardware used.

NOTES

Figure 4 Instrument Panel MOD, PRE MOD AMS 07-3274 (AS 350 B3)

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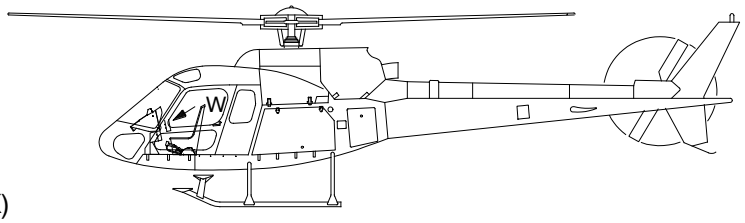
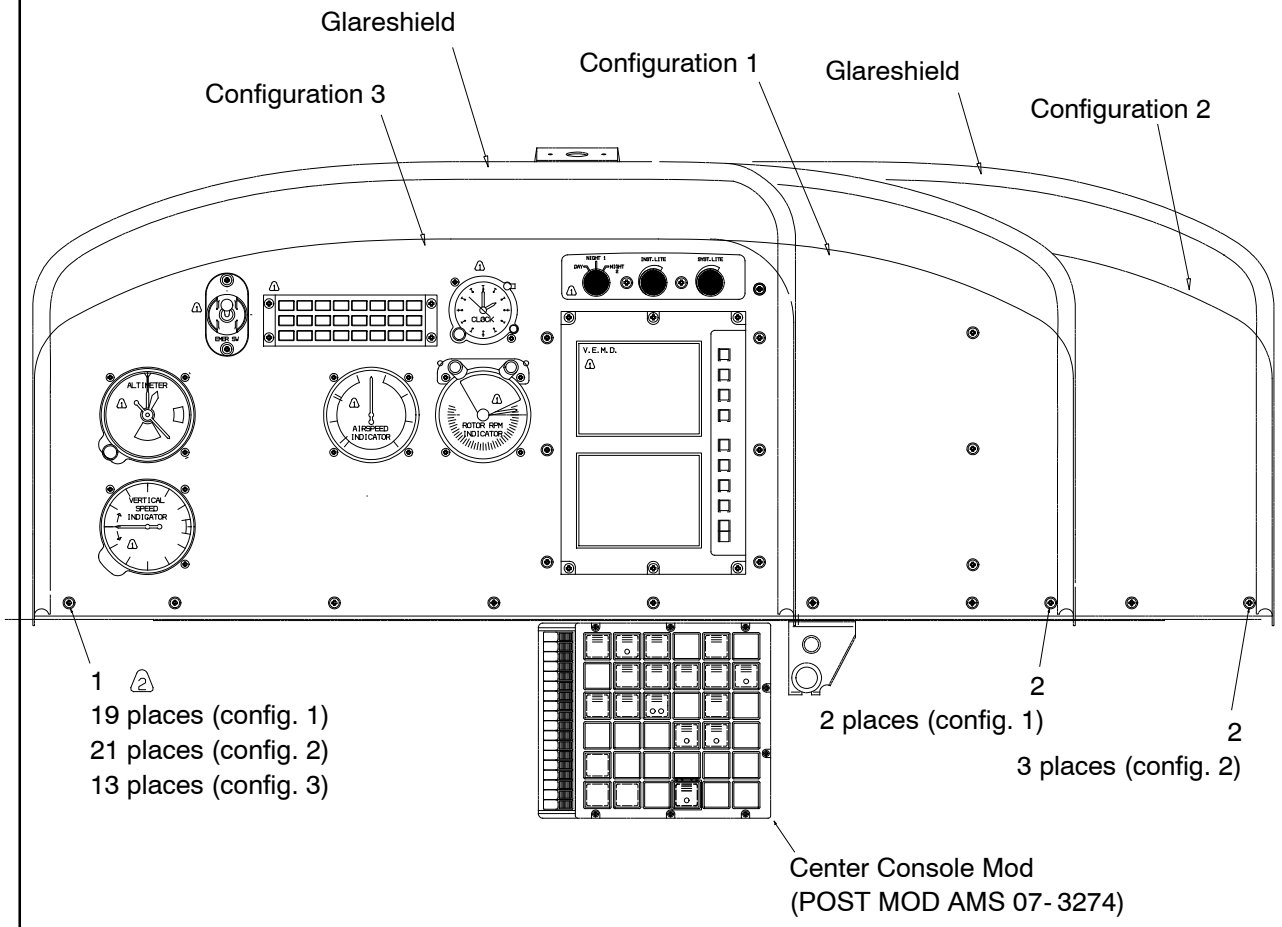


Legend (for Figure 5)

Item Description

1. Screw (P/N A0164TK040S014X)
2. Rivnut (P/N TYE854M4C5C)
3. Electrical Joint Compound (P/N Penetrox A13)



VIEW W

Configuration 1 For standard panel on AS 350 B3
Configuration 2 For extended panel on AS 350 B3
Configuration 3 For tour panel on AS 350 B3

(2) Contact between mating surfaces to be kept free from protective coating. Before installation, apply electrical joint compound (3).

(1) Existing standard instruments and mounting hardware used.

NOTES

Figure 5 Instrument Panel MOD, POST MOD AMS 07-3274 (AS 350 B3)

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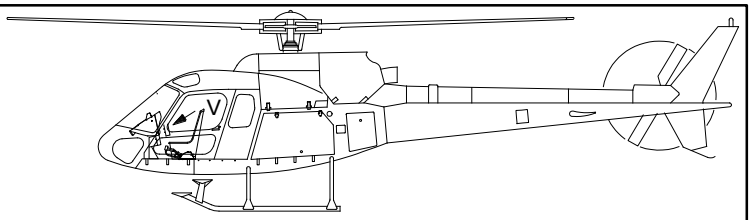
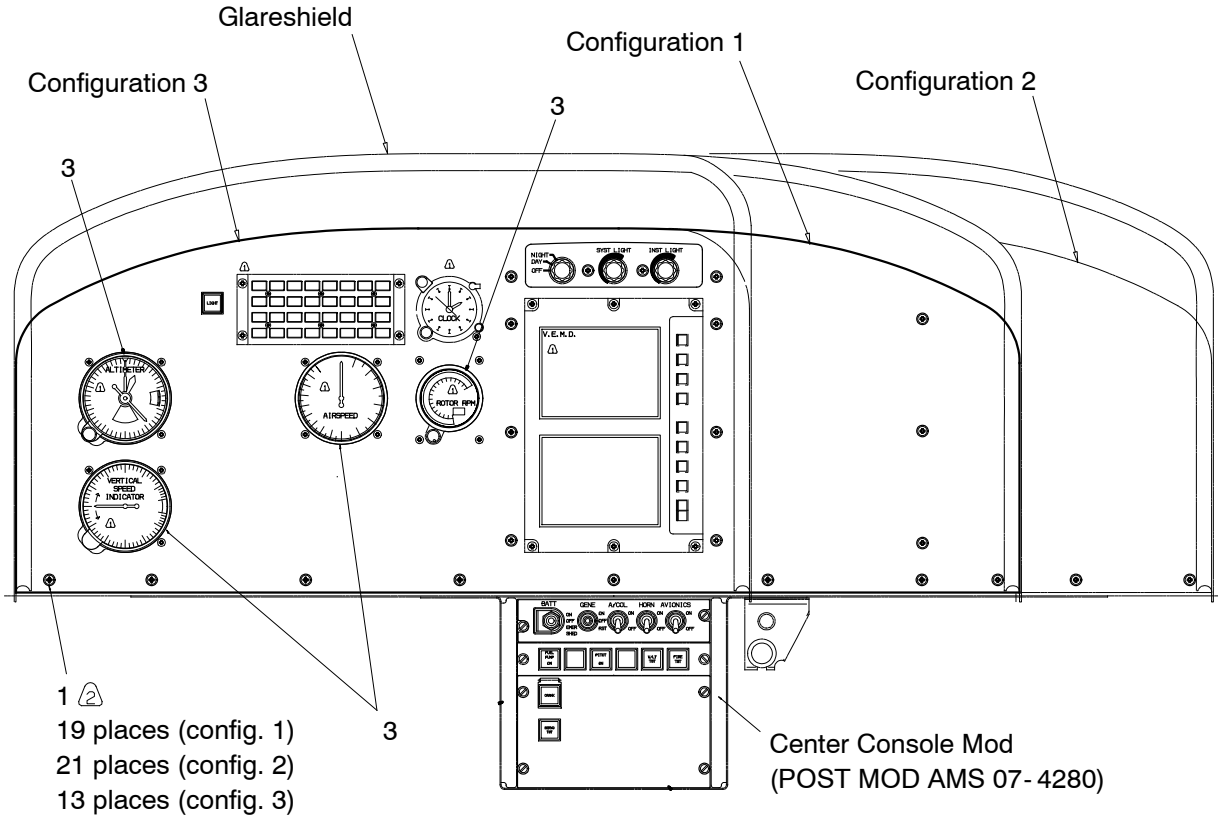


Legend (for Figure 6)

Item Description

1. Screw (P/N A0164TK040S014X)
2. Electrical Joint Compound (P/N Penetrox A13)
3. Instrument Light Bezels



VIEW V

Configuration 1 For standard panel on AS 350 B3
Configuration 2 For extended panel on AS 350 B3
Configuration 3 For tour panel on AS 350 B3

⚠2 Contact between mating surfaces to be kept free from protective coating. Before installation, apply electrical joint compound (2).

⚠1 Existing standard instruments and mounting hardware used.

NOTES

Figure 6 Instrument Panel MOD, POST MOD AMS 07-4280 (AS 350 B2 & B3)

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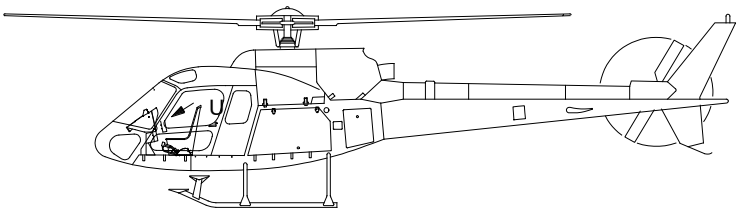
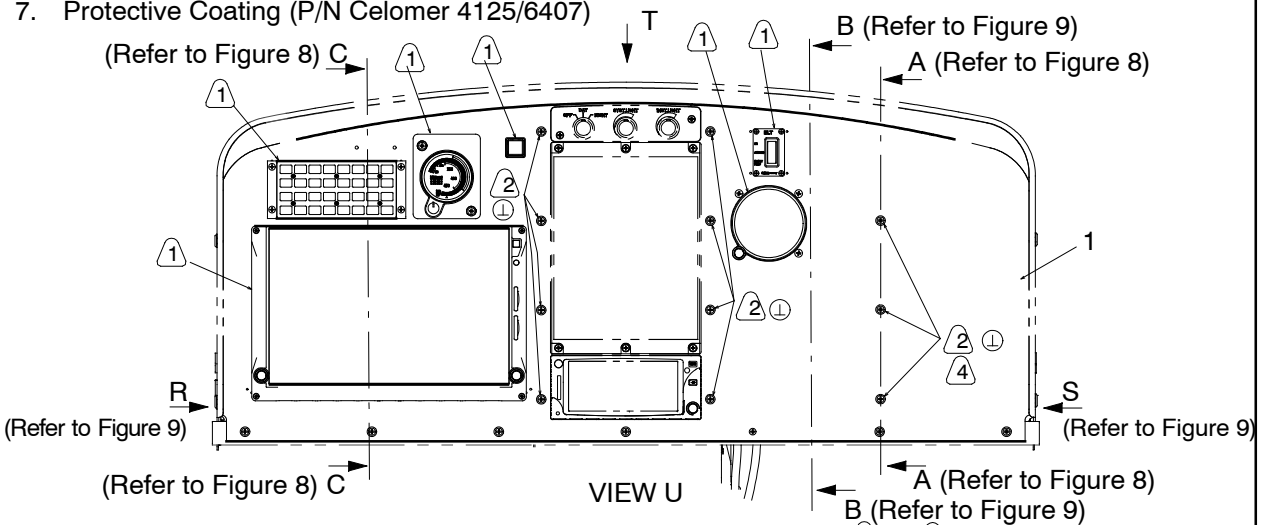
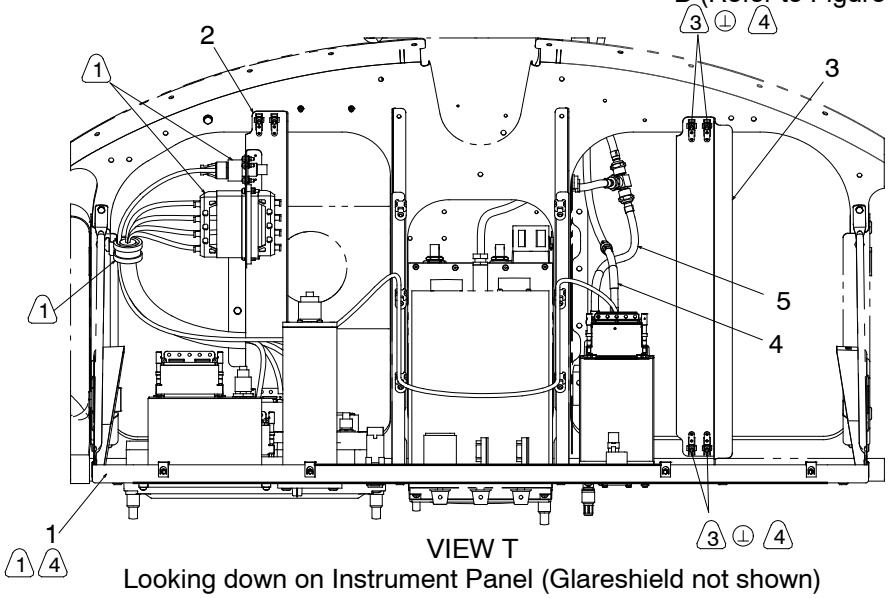
Legend (for Figure 7)

Item Description

1. Instrument Panel Assembly
2. LH Frame Assembly
3. RH Frame Assembly
4. Pitot Tubing Assembly
5. Static Tubing Assembly
6. Conductive Paste (P/N ECS2241.20)
7. Protective Coating (P/N Celomer 4125/6407)







Looking down on Instrument Panel (Glareshield not shown)

(4) Re- use existing mounting hardware.

(3) Contact area to be cleaned of all non- conductive coating under bolt head 2 mm beyond contact area. Cover bolt head/washer with protective coating (7) to 5 mm beyond limits of washer.

(2) Contact area to be cleaned of all non- conductive coating 12 mm beyond contact area. Apply conductive paste (6) to bared area before installation of hardware.

(1) Existing standard instruments and mounting hardware used.

NOTES

Figure 7 Instrument Panel MOD, POST MOD AMS 07- 20112 (AS 350 B3) Avionics STEP 2 Standard Configuration

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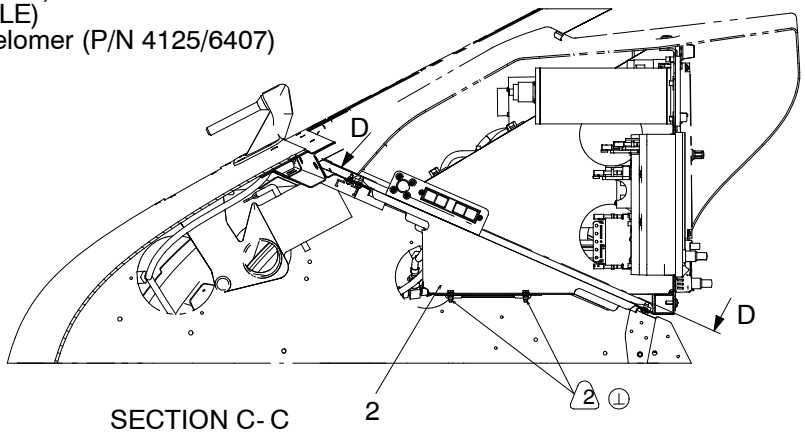
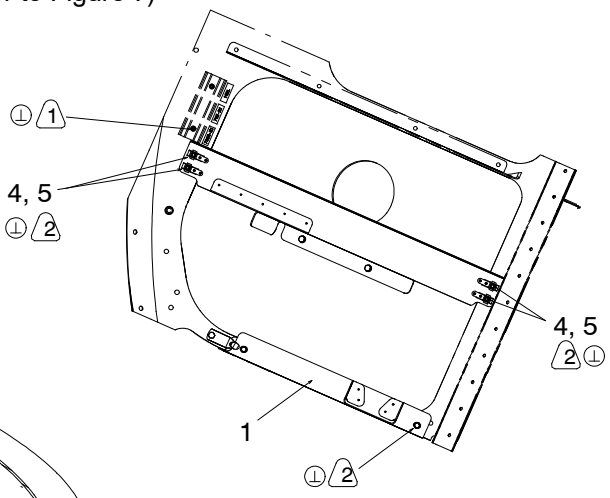
Legend (for Figure 8)

Item Description

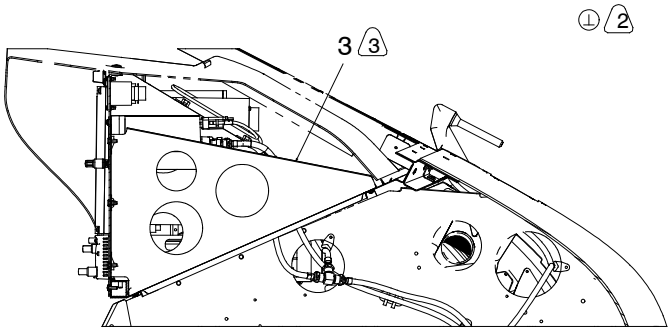
1. USB Frame Assembly
2. LH Frame Assembly
3. RH Frame Assembly
4. Screw (P/N 22271BC040012L)
5. Washer (P/N 23111AG040LE)
6. Protective Coating (P/N Celomer (P/N 4125/6407)



SECTION C- C
(Refer to Figure 7)



SECTION D- D



SECTION A- A
(Refer to Figure 7)

3 Re- use existing mounting hardware.

2 Contact area to be cleaned of all non- conductive coating under screw head 2 mm beyond contact area. Cover screw head/washer with protective coating (6) to 5 mm beyond cleaned area.

1 Contact area to be cleaned of all non- conductive coating 2 mm beyond contact area. Apply protective coating (6) to cover bolt head/washer and nut/washer.

NOTES

Figure 8 Instrument Panel MOD, POST MOD AMS 07- 20112 (AS 350 B3) Frame details

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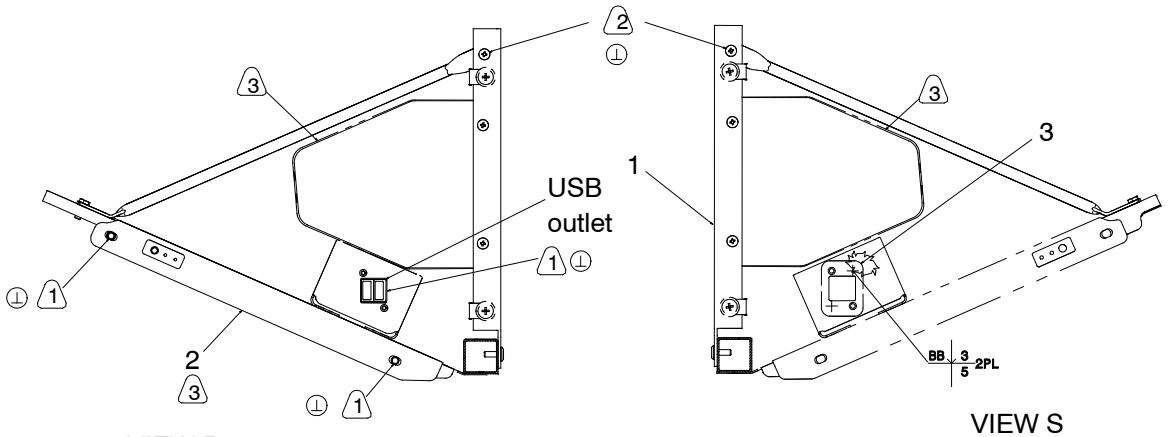
Legend (for Figure 9)

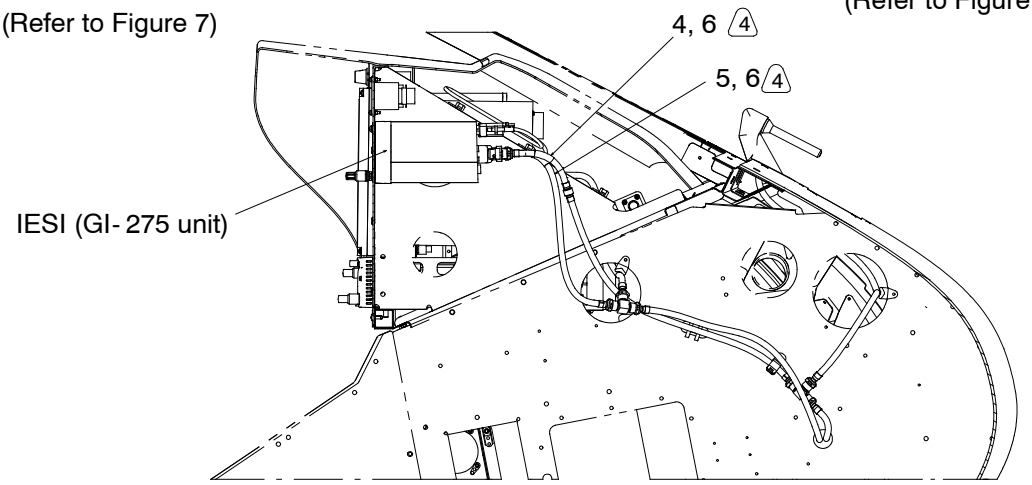
Item Description

1. Instrument Panel Assembly
2. USB Frame Assembly
3. Filler
4. Pitot Tubing Assembly
5. Static Tubing Assembly
6. Lockwire
7. Conductive Paste (P/N ECS2241.20)
8. Protective Coating (P/N Celomer 4125/6407)



VIEW R
(Refer to Figure 7)

VIEW S
(Refer to Figure 7)



SECTION B-B
(Refer to Figure 7)

4 Secure connections with lockwire (6).

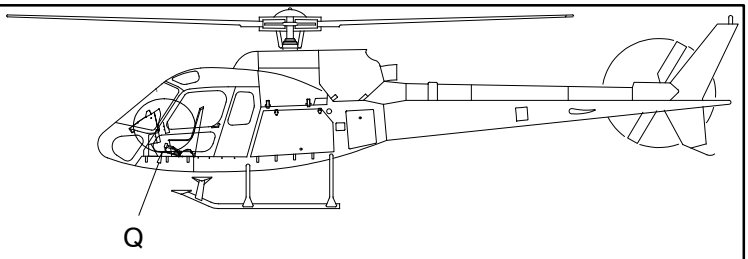
3 Re-use existing mounting hardware.

⏚ 2 Contact area to be cleaned of all non-conductive coating under bolt head 2 mm beyond contact area. Cover bolt head/washer with protective coating (8) to 5 mm beyond limits of washer.

⏚ 1 Contact area to be cleaned of all non-conductive coating 12 mm around attachment holes. Apply conductive paste (7) to bared area before installation of hardware.

NOTES

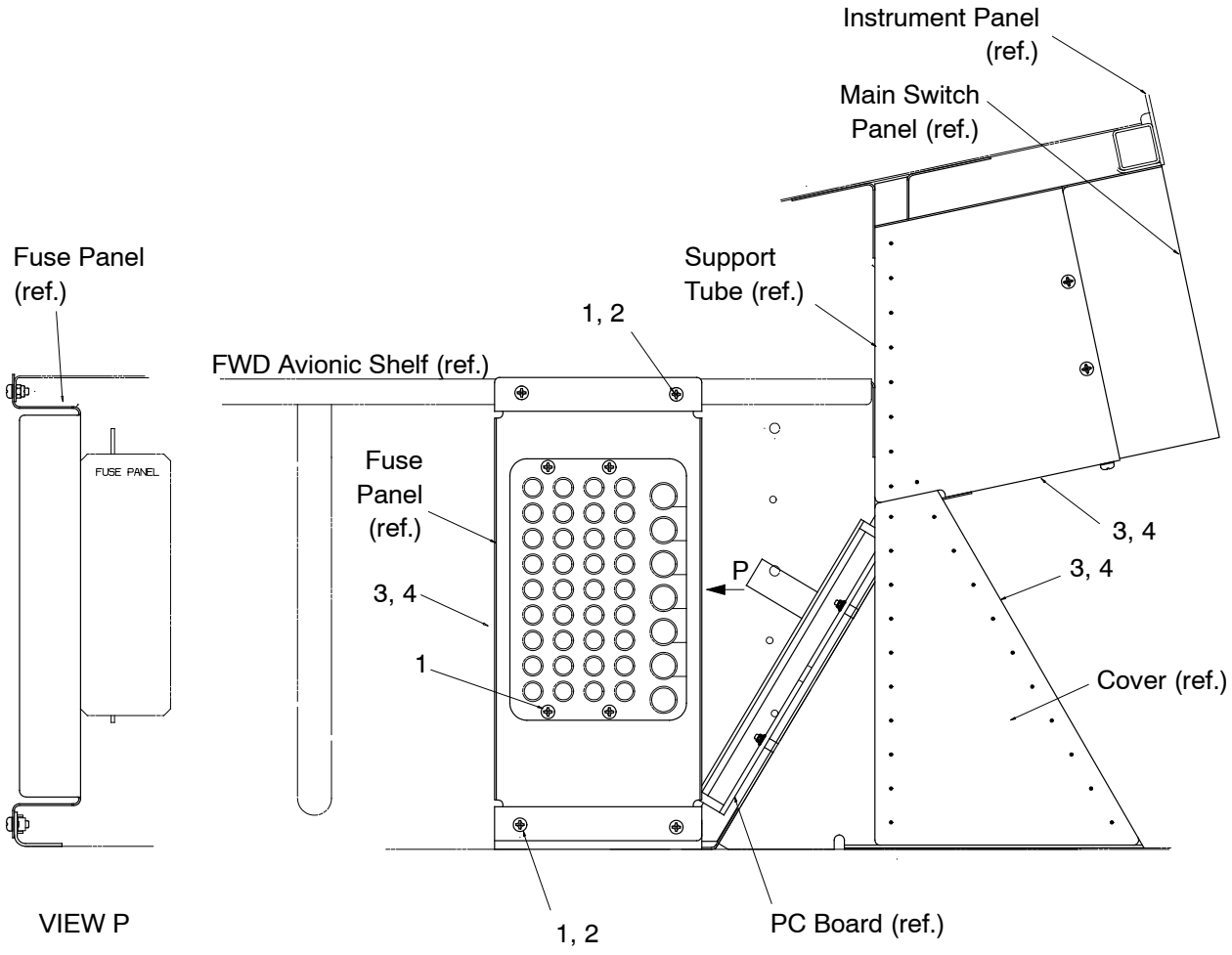
Figure 9 Instrument Panel MOD, POST MOD AMS 07-20112 (AS 350 B3) details



Legend (for Figure 10)

Item Description

1. Screw (P/N LN9439AM4X10)
2. Washer (P/N LN9016- 04K)
3. Hook Fastener
4. Loop Fastener



DETAIL Q
Showing LH side of center console

1. This center console mod is optional if the double forward passenger seat is not installed.

NOTE

Figure 10 LHS Center Console Modification, PRE MOD AMS 07- 3274 (AS 350 BA, B2 & B3)

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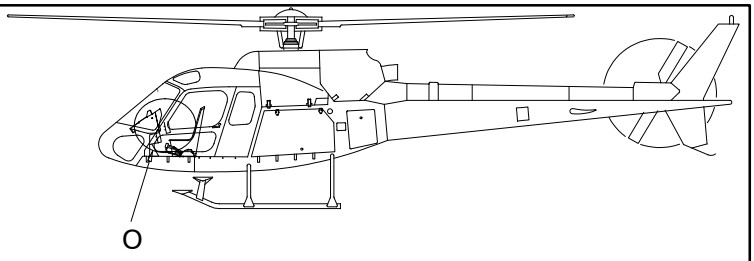
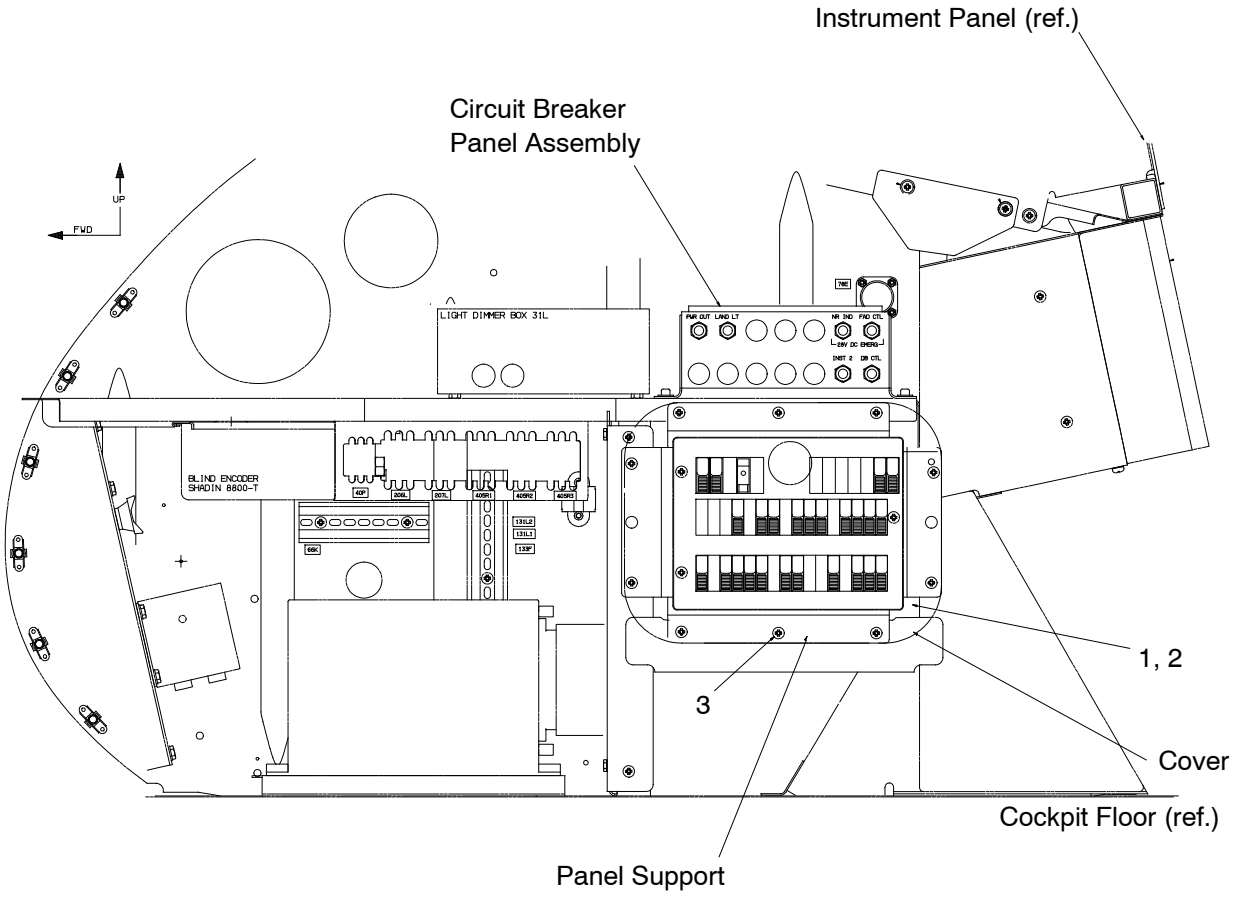


Legend (for Figure11)

Item Description

1. Hook Fastener
2. Loop Fastener
3. Screw (P/N LN9438M4X12)



DETAIL O

1. This center console mode is optional if the double forward passenger seat is not installed.

NOTES

Figure 11 LHS Center Console Modification, POST MOD AMS 07-3274 (AS 350 B2 & B3)

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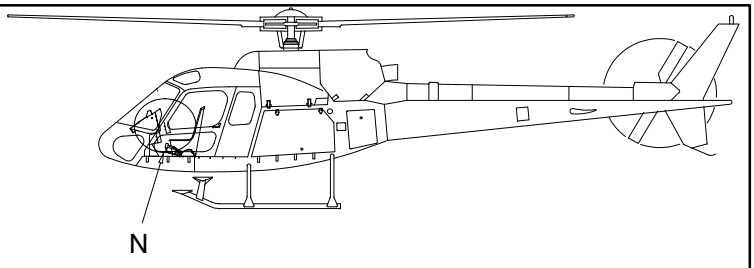
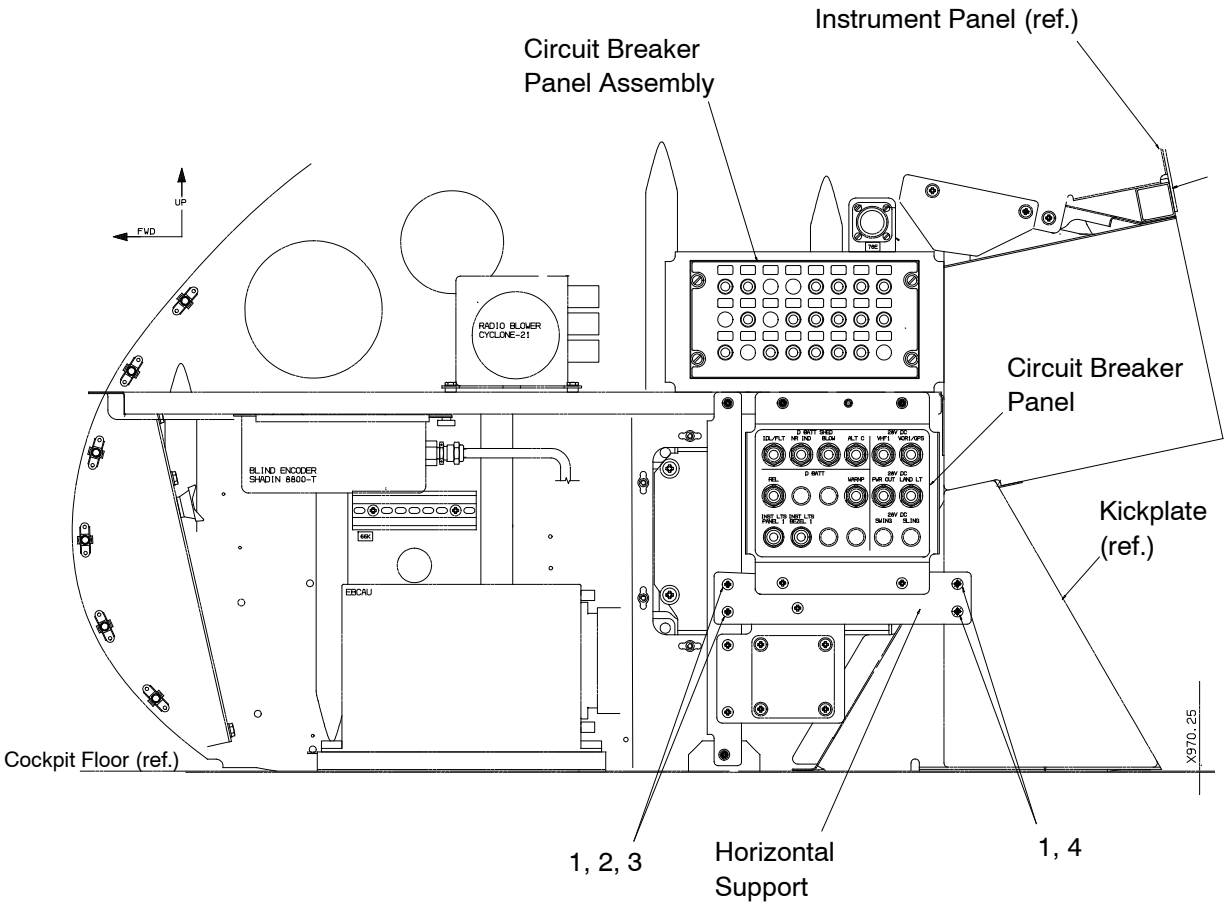


Legend (for Figure 12)

Item Description

1. Screws (P/N LN9438M4X12)
2. Washers (P/N LN9016- 04K)
3. Nuts (P/N LN9348- 04)
4. Rivnuts (P/N TYE854M4C5C or SL854M4C5C)



DETAIL N

1. This center console mode is optional if the double forward passenger seat is not installed.

NOTES

Figure 12 LHS Center Console Modification, POST MOD AMS 07- 4280 (AS 350 B3)

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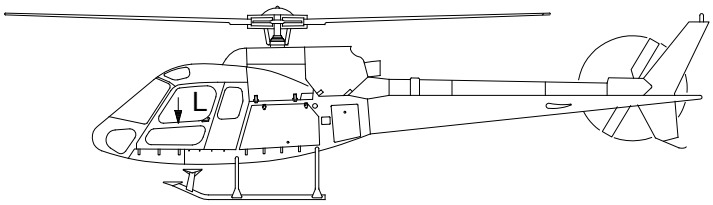
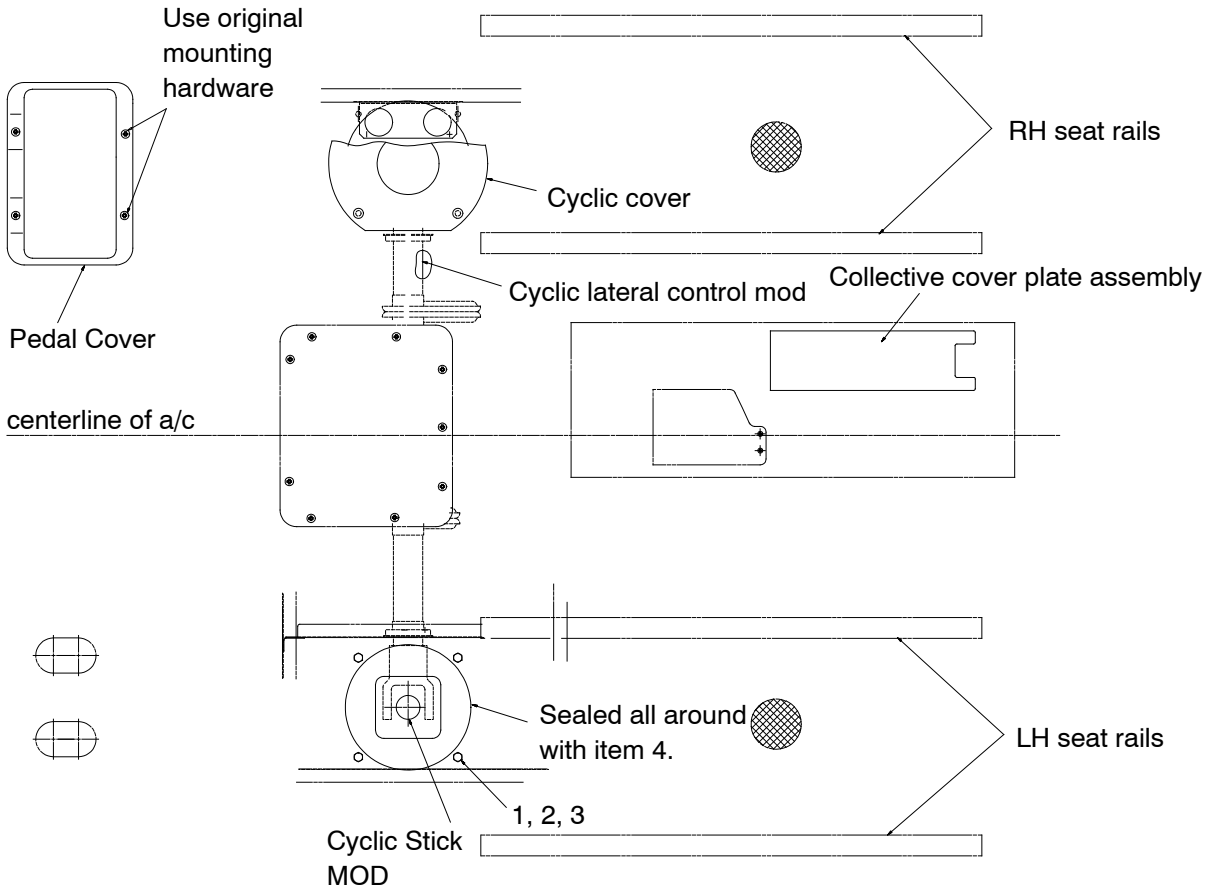
Export Control Classification Marking: 9E991



Legend (for Figure 13)

Item Description

1. Screw (P/N LN9037-06012)
2. Washer (P/N LN9016-06L)
3. Nut (P/N 22541N060)
4. Sealing Compound (P/N PR1422-B2)



VIEW L

Figure 13 LHS Flight Control Installation, PRE & POST MOD AMS 07-3274 (AS 350 B3)

Transport Canada - Accepted

Export Control Classification Marking: 9E991

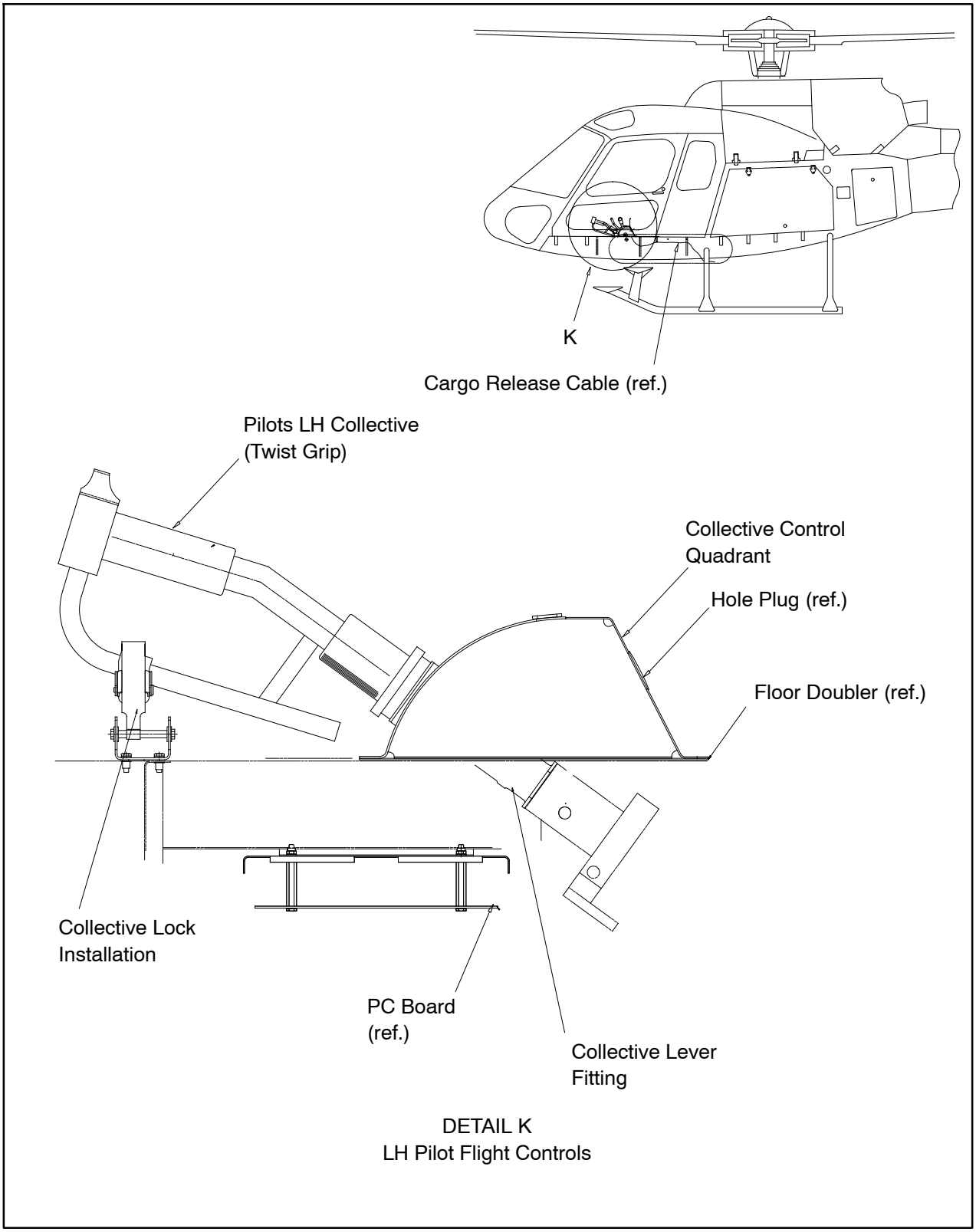


Figure 14 LHS Flight Control Installation, PRE & POST MOD AMS 07-3274 (AS 350 B3)

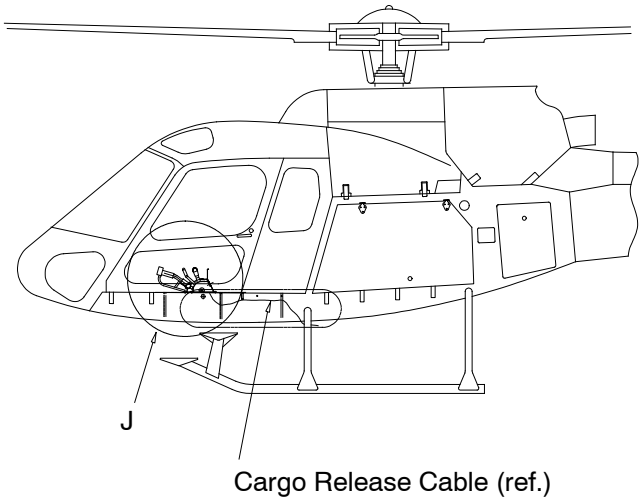
Transport Canada - Accepted

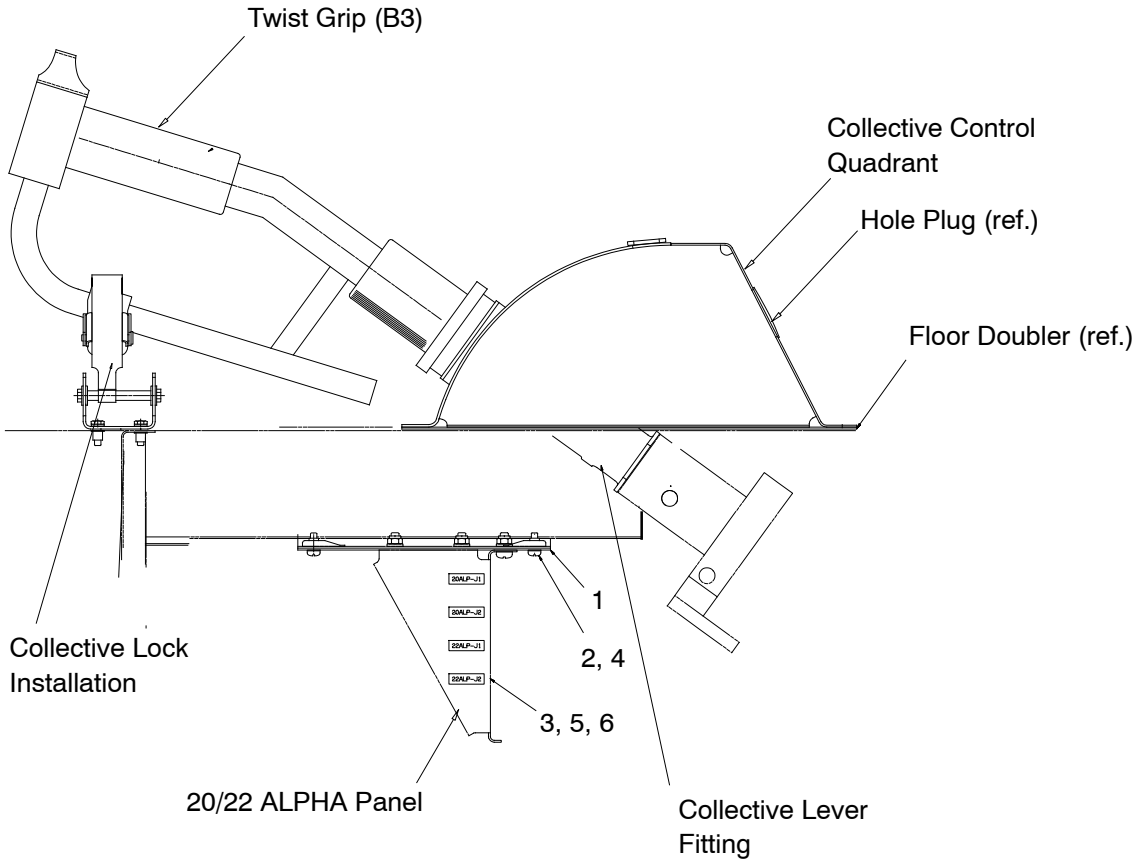
Export Control Classification Marking: 9E991

Legend (for Figure 15)

Item Description

1. Support Plate
2. Screw (P/N LN9439M4X12)
3. Screw (P/N LN9439M5X12)
4. Washer (P/N LN9016-04K)
5. Washer (P/N LN9016-05K)
6. Nut (P/N LN9348-05)



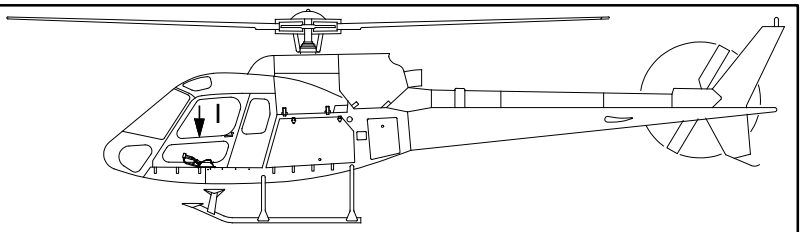


DETAIL J
LH Pilot Flight Controls

Figure 15 LHS Flight Control Installation, POST MOD AMS 07-3283/07-4685 & POST MOD AMS 07-4280 (AS 350 B2 & B3)

Transport Canada - Accepted

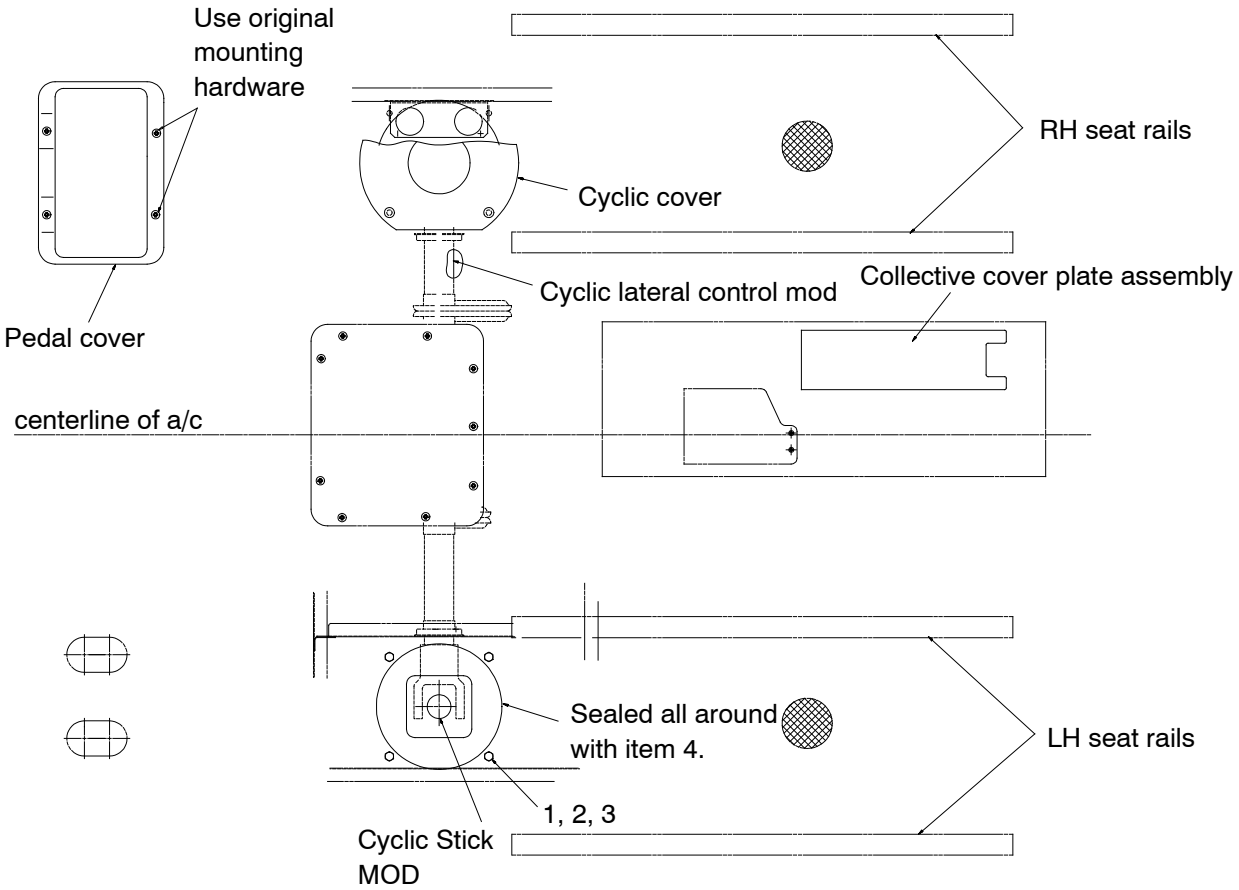
Export Control Classification Marking: 9E991



Legend (for Figure 16)

Item Description

1. Screw (P/N LN9037-06012)
2. Washer (P/N LN9016-06L)
3. Nut (P/N 22541N060)
4. Sealing Compound (P/N PR1422-B2)

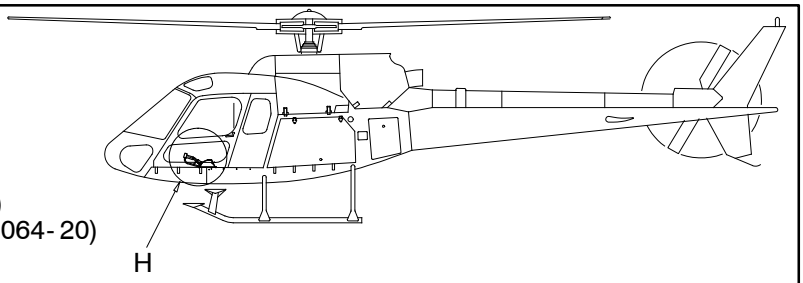


VIEW I

Figure 16 Flight Controls LH Pilot (AS 350 BA & B2)

Transport Canada - Accepted

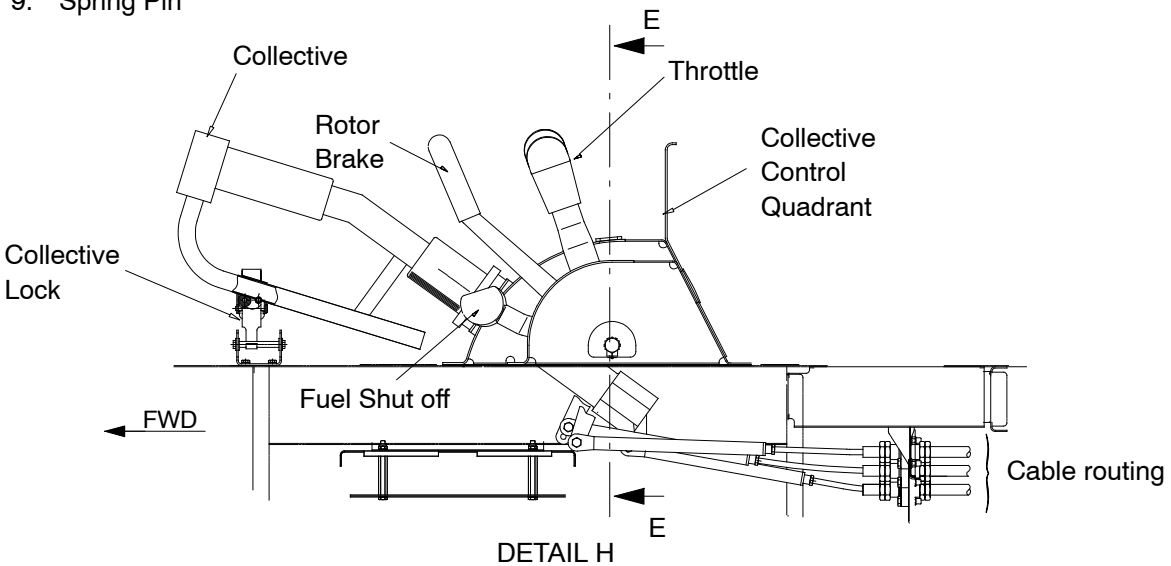
Export Control Classification Marking: 9E991



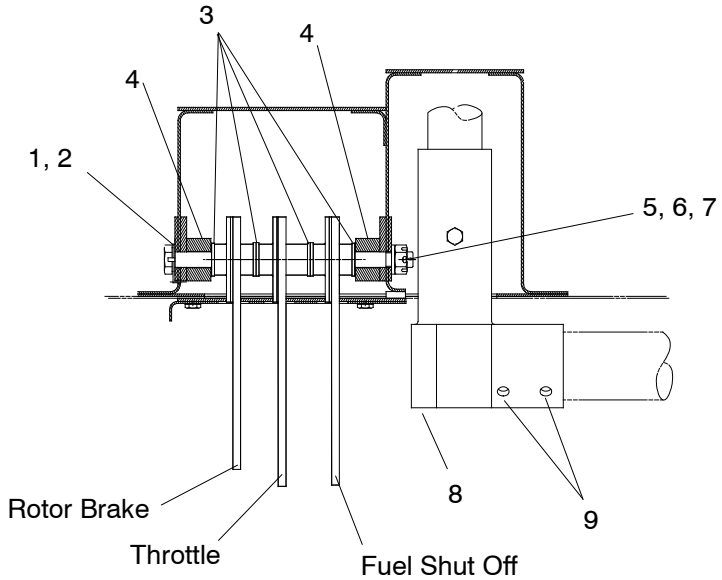
Legend (for Figure 17)

Item Description

1. Screw (P/N LN9037- 08124)
2. Tab Washer (P/N 350A27- 1064- 20)
3. Shim
4. Spacer
5. Washer (P/N LN9016- 08K)
6. Nut (P/N MBBN3050- 08D)
7. Cotter Pin
8. Collective Lever Fitting
9. Spring Pin



DETAIL H

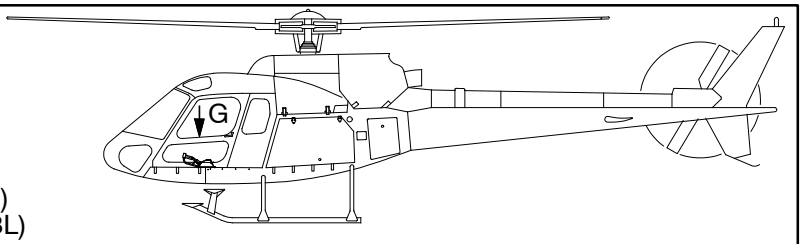


SECTION E- E

Figure 17 Flight Controls LH Pilot (AS 350 BA & B2) (continued)

Transport Canada - Accepted

Export Control Classification Marking: 9E991



Legend (for Figure 18)

Item Description

1. Cover
2. Flange
3. Boot
4. Shim (P/N 350A27-1528-20)
5. Screw (P/N 22201BC060038L)
6. Nut (P/N 22541N060)
7. Washer (P/N 56X28-5X1-50)
8. Washer (P/N 23134AG060LAE)
9. Profile Washer (P/N 350A27-1142-20)
10. Locking Pin (P/N 55701C06R35N-W)
11. Clip (P/N 133159)
12. Split Ring (P/N 3410-14)
13. Spring (P/N 350A27-1386-20)
14. Grommet (P/N 85007-110-020

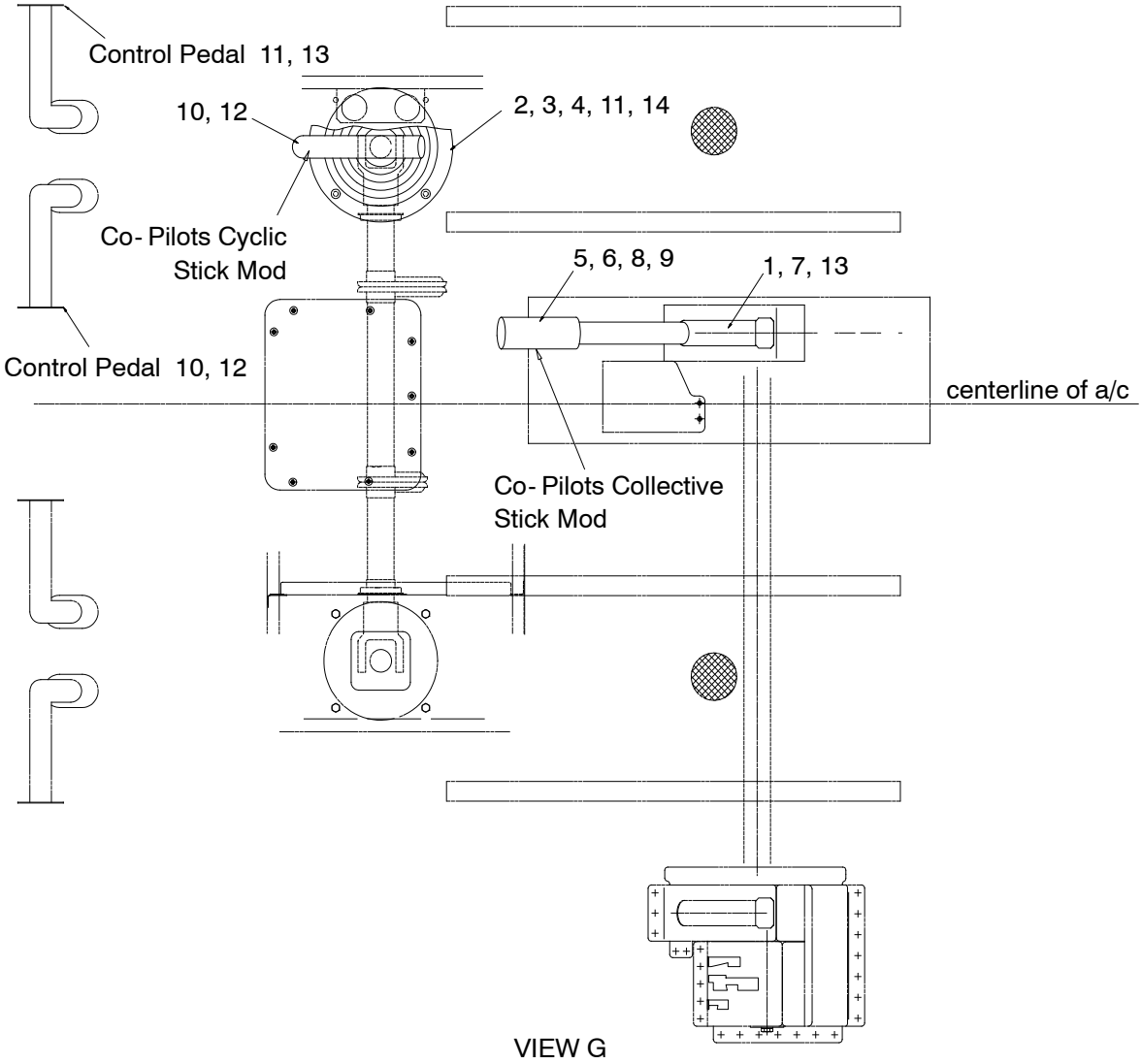
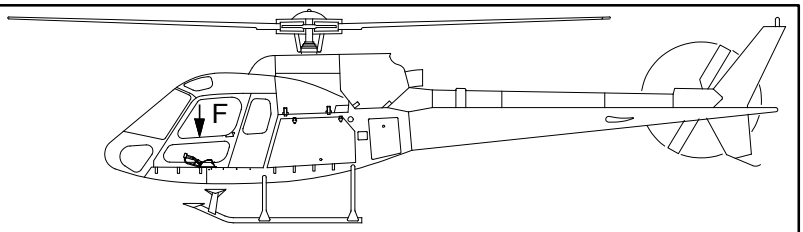


Figure 18 Dual Flight Controls (AS 350 BA & B2)

Transport Canada - Accepted

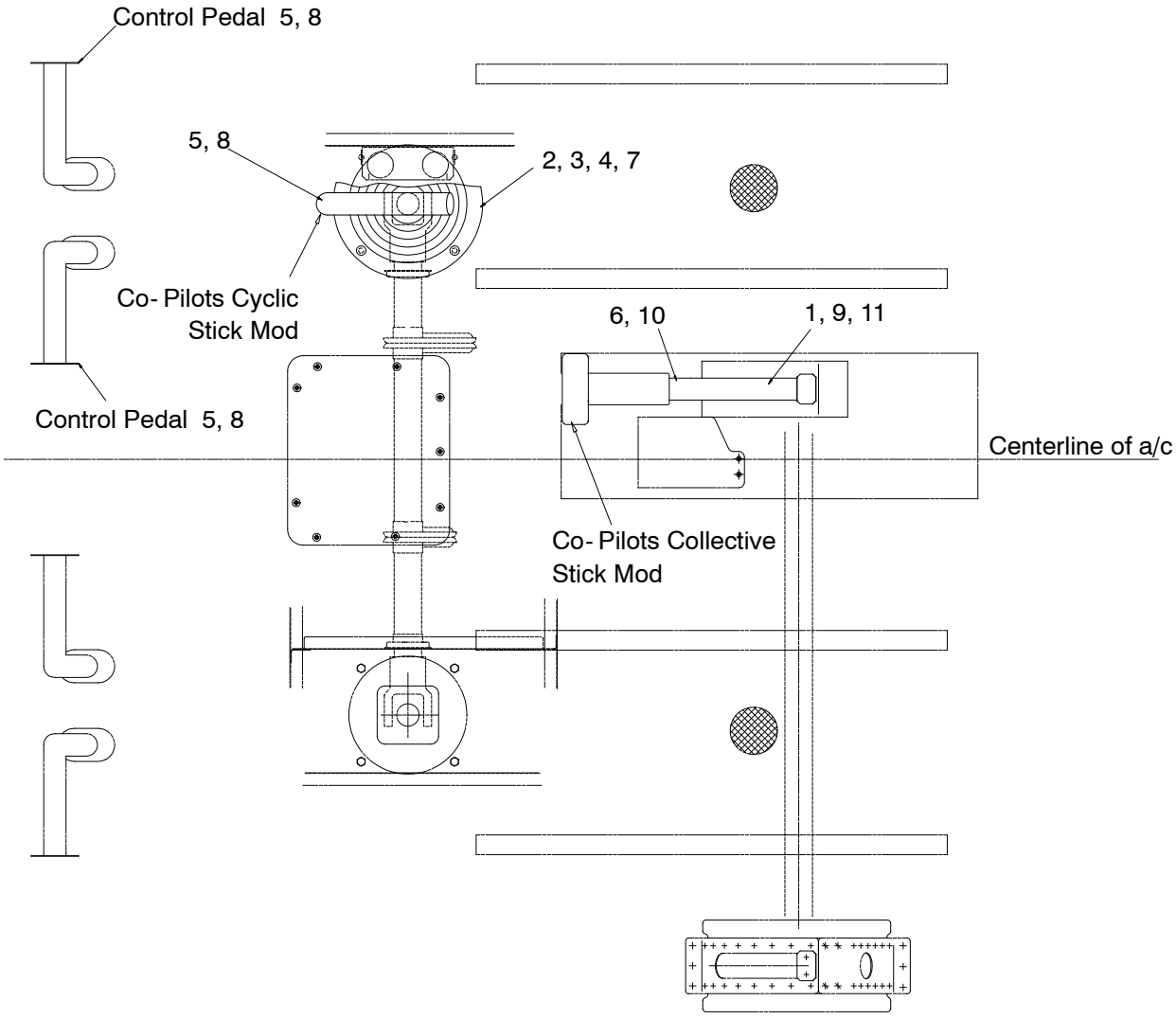
Export Control Classification Marking: 9E991



Legend (for Figure 19)

Item Description

1. Cover
2. Flange
3. Boot
4. Shim
5. Locking Pin (P/N 55701C06R35N-W)
6. Shouldered Pin (P/N 350A27-3091-21)
7. Clip (P/N 133159)
8. Split Ring (P/N 3410-14)
9. Washer (P/N 56X28-5X1-50)
10. Locking Washer (P/N 23351AC080LE)
11. Spring (P/N 350A27-1386-20)



VIEW F

Figure 19 Dual Controls PRE & POST MOD AMS 07-3274

Transport Canada - Accepted

Export Control Classification Marking: 9E991

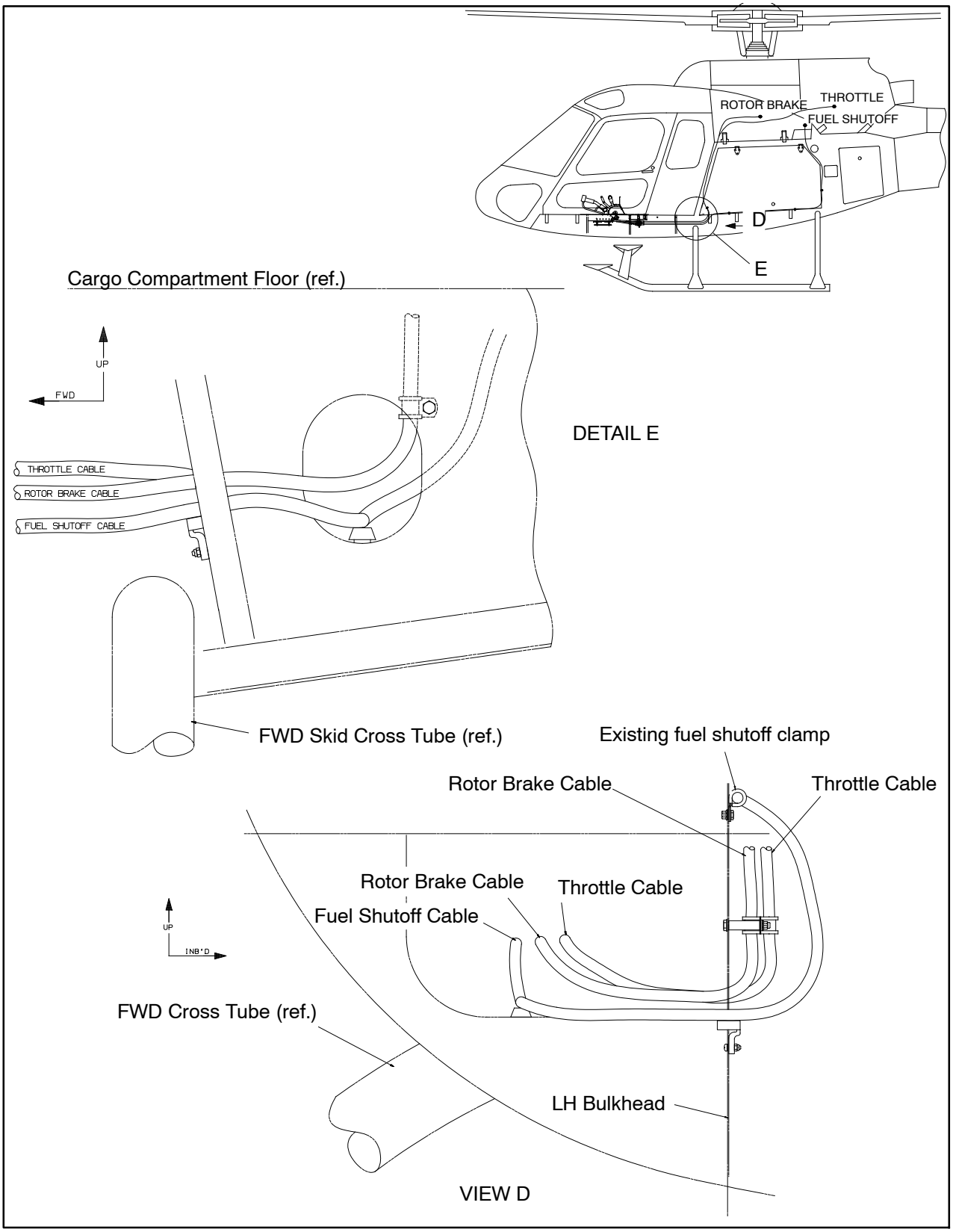


Figure 20 Cable Routing (AS 350 BA & B2)

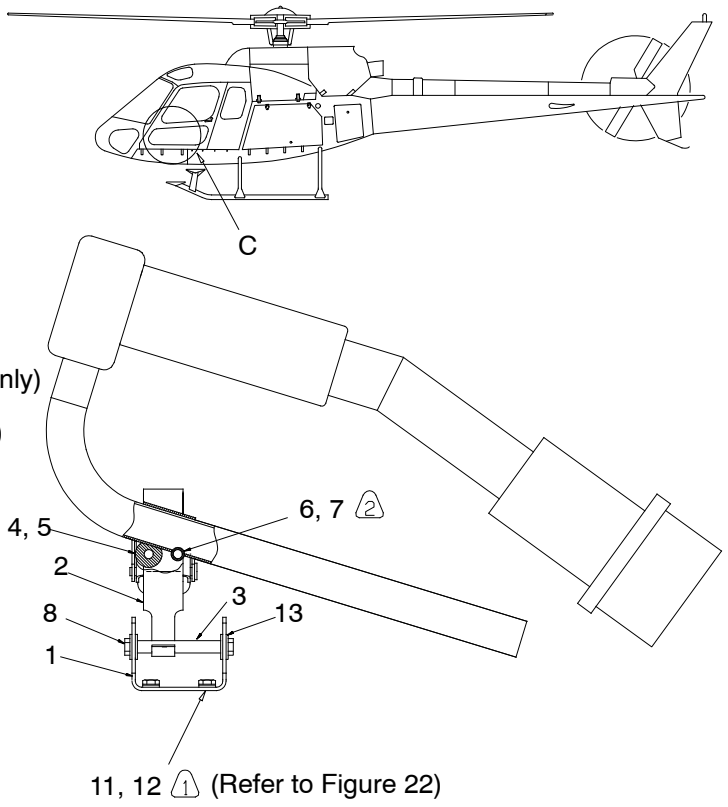
Transport Canada - Accepted

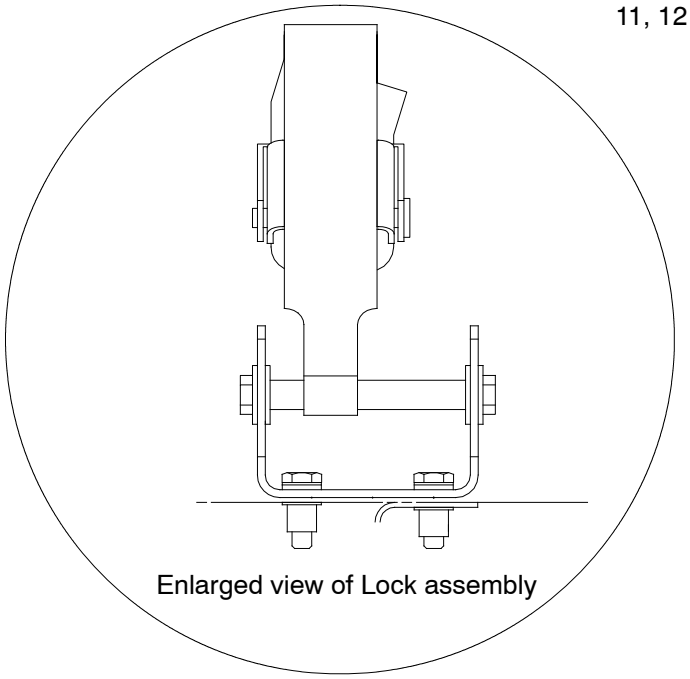
Export Control Classification Marking: 9E991

Legend (for Figure 21)

Item Description

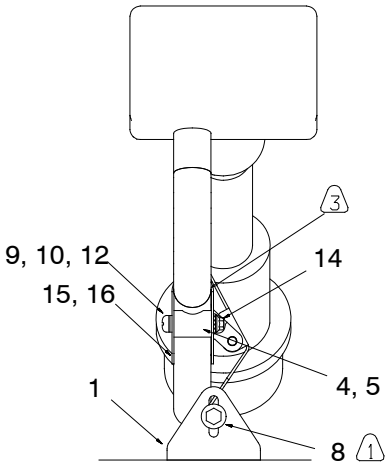
1. Bracket
2. Lock Assembly
3. Threaded Round Standoff
4. Polycarbonate Spacer (P/N 350-400144.33 BA/B2 only)
5. Polycarbonate Spacer (P/N 350-400144.31 B3 only)
6. Steel Spacer (P/N 350-400144.32 BA/B2 only)
7. Steel Spacer (P/N 350-400144.30 B3 only)
8. Screw (P/N LN9038-04016)
9. Screw (P/N LN9439-04026 BA/B2 only)
10. Screw (P/N LN9439-04028 B3 only)
11. Screw (P/N LN9038-04012)
12. Washer (P/N LN9016-04K)
13. Washer (P/N LN29952-0410K)
14. Nut (P/N LN9338-04)
15. Clip (P/N 350-400144.20 BA/B2 only)
16. Clip (P/N 350-400144.21 B3 only)
17. Thread Tape (P/N #510 Black-2")





Enlarged view of Lock assembly

DETAIL C



3 Apply thread tape (17) on inner surface of clip (15 or 16) between collective tube and clip.

2 Insure that steel spacer (6 or 7) stays parallel to the floor.

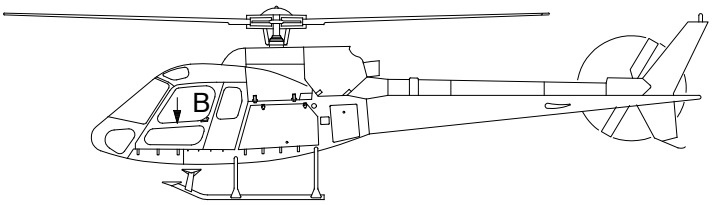
1 Adjust position to insure proper locking.

NOTES:

Figure 21 Collective Lock Installation - Side View (AS 350 BA, B2 & B3)

Transport Canada - Accepted

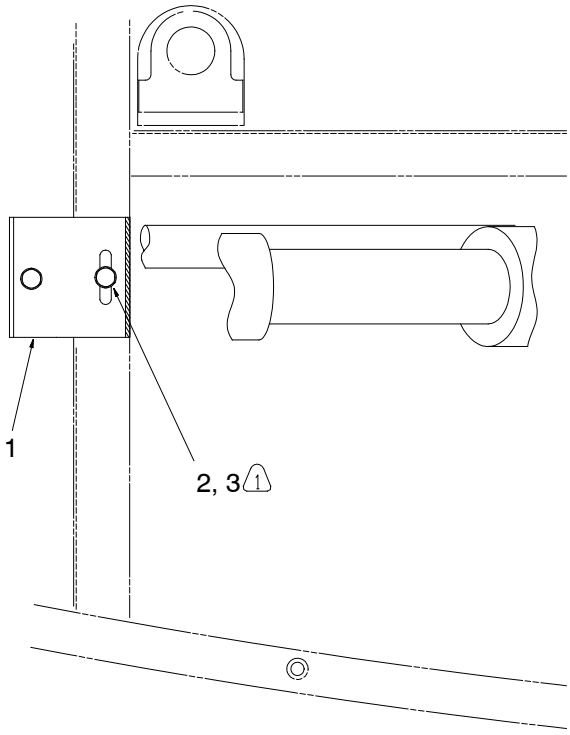
Export Control Classification Marking: 9E991



Legend (for Figure 22)

Item Description

1. Bracket
2. Screw (P/N LN9038-04012)
3. Washer (P/N LN9016-04K)



VIEW B

(1) Adjust position to insure proper locking.

NOTES:

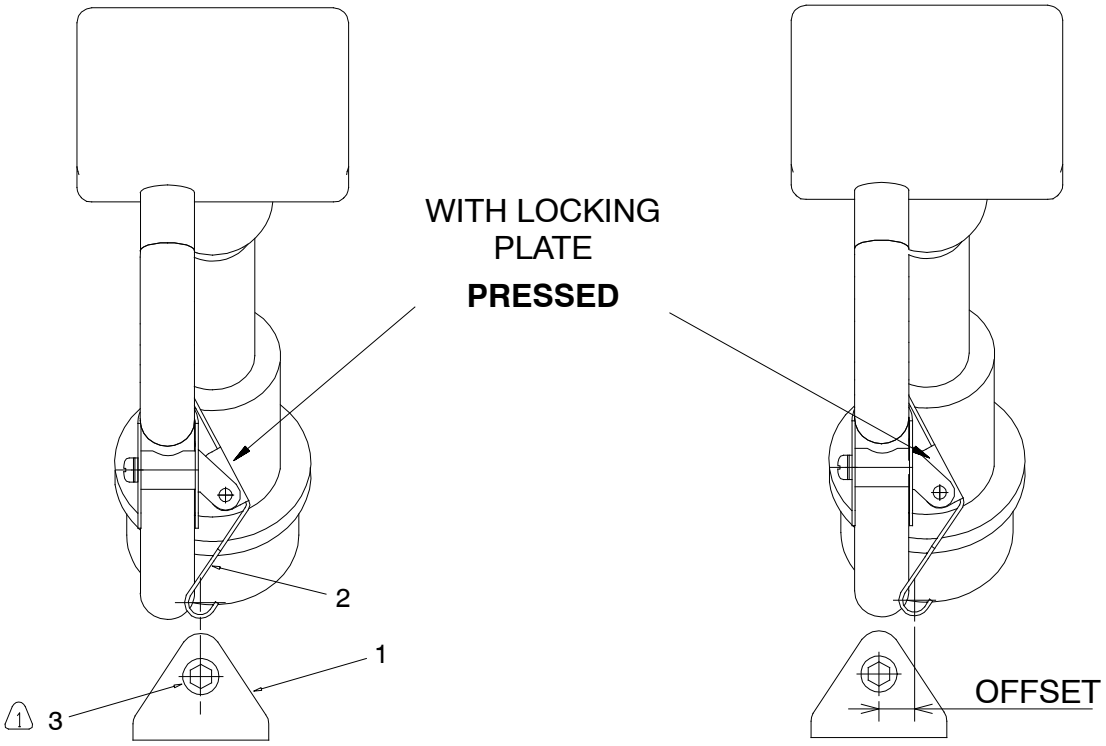
Figure 22 Collective Lock Installation - Top View (AS 350 BA, B2 & B3)

Transport Canada - Accepted

Legend (for Figure 23)

Item Description

1. Bracket
2. Lock Assembly
3. Screw (P/N LN9038- 04016)



CORRECT ALIGNMENT

INCORRECT ALIGNMENT

The pilot must be able to lock the collective by pressing first the locking plate, (2) and then by pushing the collective lever down.

The mechanism should engage automatically. For this reason, the locking plate must not pass the standoff (3, Figure 22) when pressed as shown above.

1 Adjust position to insure proper locking.

NOTE:

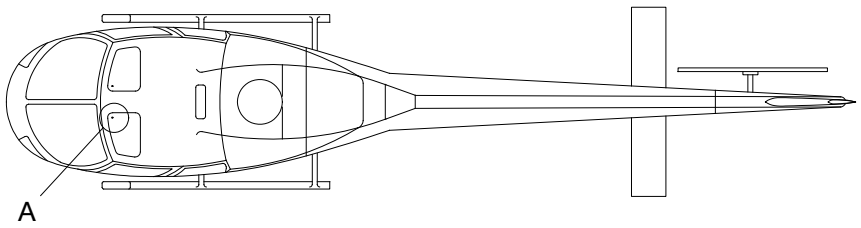
Figure 23 Collective Lock Installation Adjustment (AS 350 BA, B2 & B3)

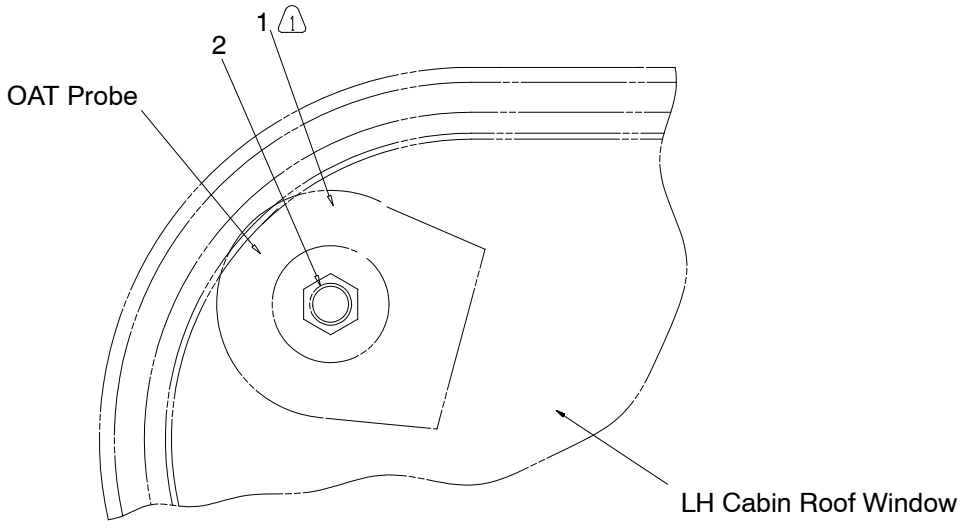
Transport Canada - Accepted

Legend (for Figure 24)

Item Description

1. Grommet
2. Sealing Compound (P/N PR1422- B2)





DETAIL A

(1) Hole in grommet (1) filed with sealing compound (2).
NOTE:

Figure 24 OAT Probe Relocation (AS 350 BA & B2)

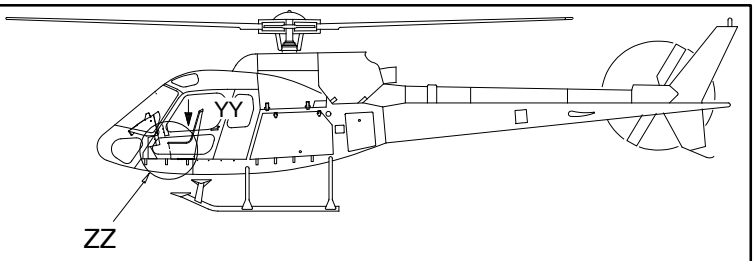
Transport Canada - Accepted

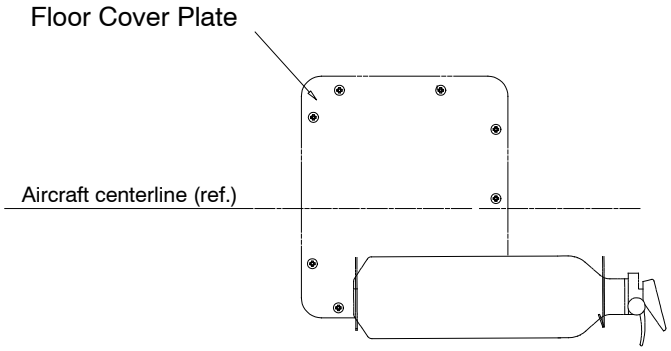
Export Control Classification Marking: 9E991

Legend (for Figure 25)

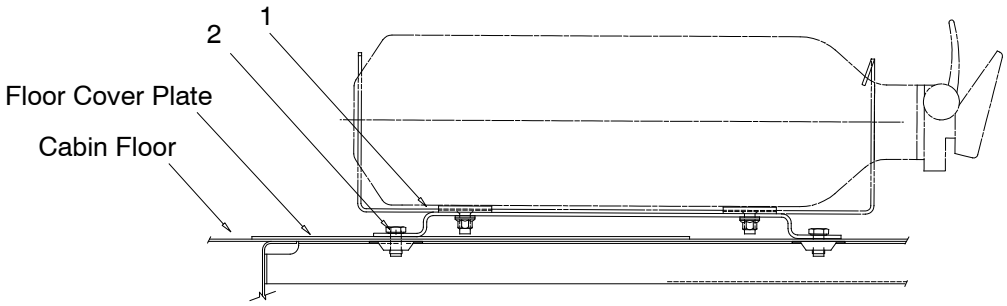
Item Description

1. Extinguisher Mounting Bracket
2. Bolt (P/N 22208BC050014L)





VIEW YY
(LOOKING DOWN)
Fire Extinguisher Relocation



DETAIL ZZ

Figure 25 Fire Extinguisher Relocation with Center Console Mod, PRE MOD AMS 07-20112 (AS 350 BA, B2 & B3)

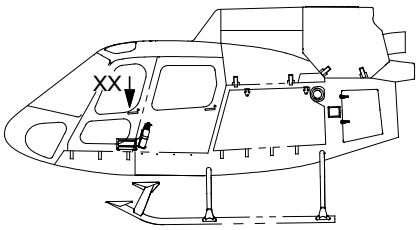
Transport Canada - Accepted

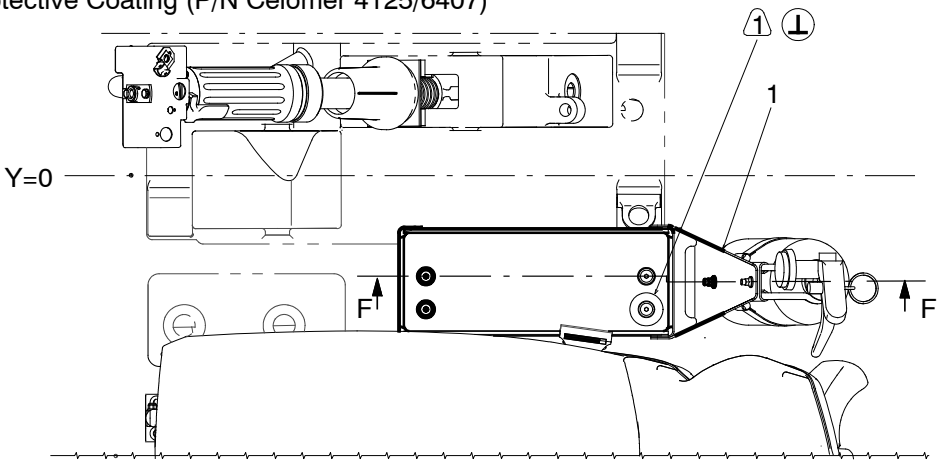
Export Control Classification Marking: 9E991

Legend (for Figure 26)

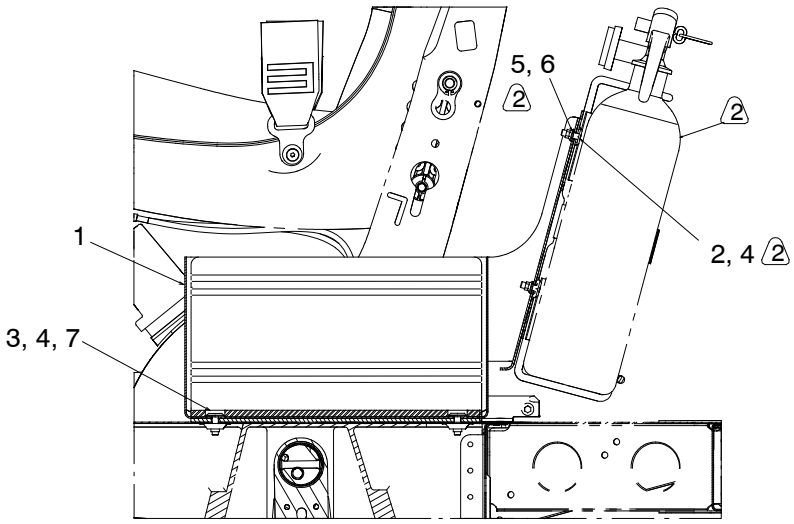
Item Description

1. Fire Extinguisher and Map Case Assembly
2. Screw (P/N ECN2365TK05S14X)
3. Screw (P/N ECN2365TK05S16X)
4. Over Size Washer (P/N LN29952- 0510K)
5. Washer (P/N 23111AG050LE)
6. Nut (P/N ASN52320BH050N)
7. Nutplate (P/N 52358CBD050N)
8. Protective Coating (P/N Celomer 4125/6407)





VIEW XX



SECTION F- F

2 Relocate fire extinguisher and support bracket as shown using hardware indicated.

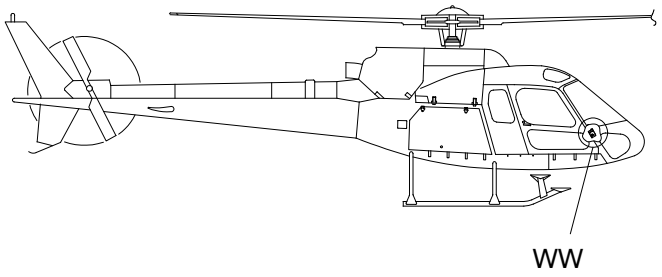
⊥ 1 Contact area between mating surfaces to be free from protective coating under bolt and to ∅2mm minimum beyond washer. Cover bolt head and washer with protective coating (8) to minimum 5mm beyond cleaned area.

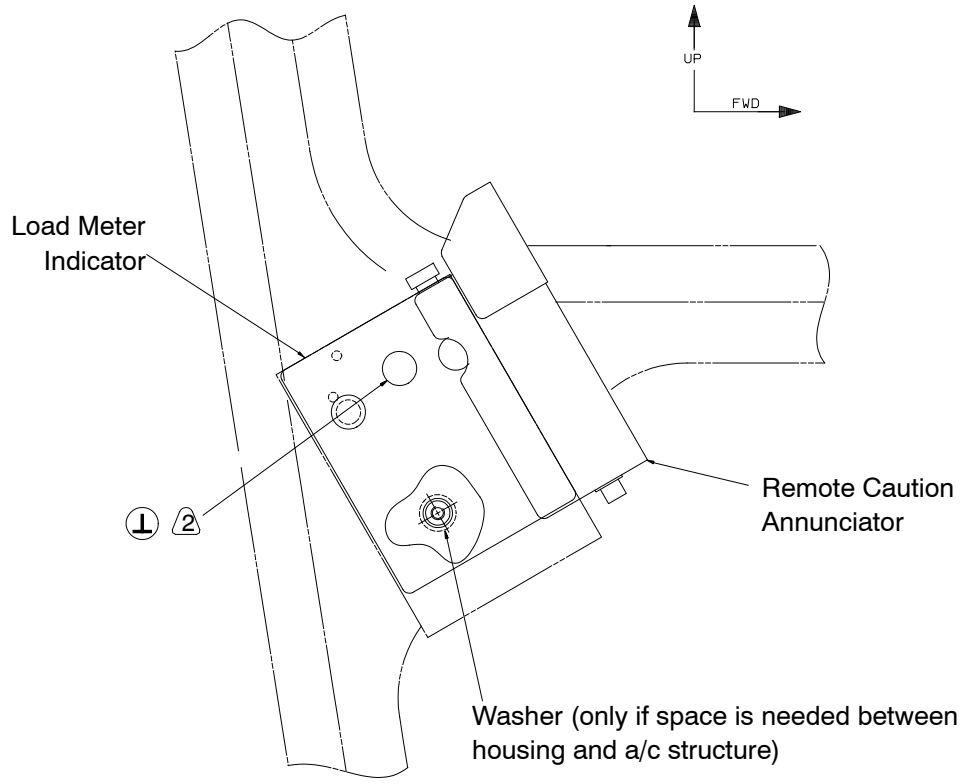
NOTES:

Figure 26 Fire Extinguisher Relocation without Center Console Mod, POST MOD AMS 07- 20112 or PRE MOD AMS 07- 20112 (AS 350 B3)

Transport Canada - Accepted

Export Control Classification Marking: 9E991





DETAIL WW

NOTE Load meter relocation is optional for LH Pilot.
If load meter already exists in aircraft, use original hardware.

2 In this area housing to be free from protective coating.

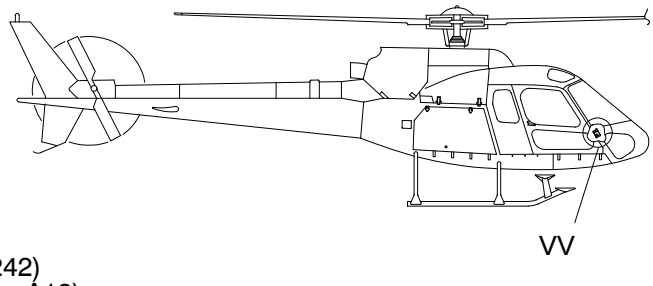
1 For POST MOD AMS 07-3274 installation on the AS 350 B2.

NOTES

Figure 27 Load Meter Relocation and Remote Caution Annunciator System (AS 350 B2 & B3)

Transport Canada - Accepted

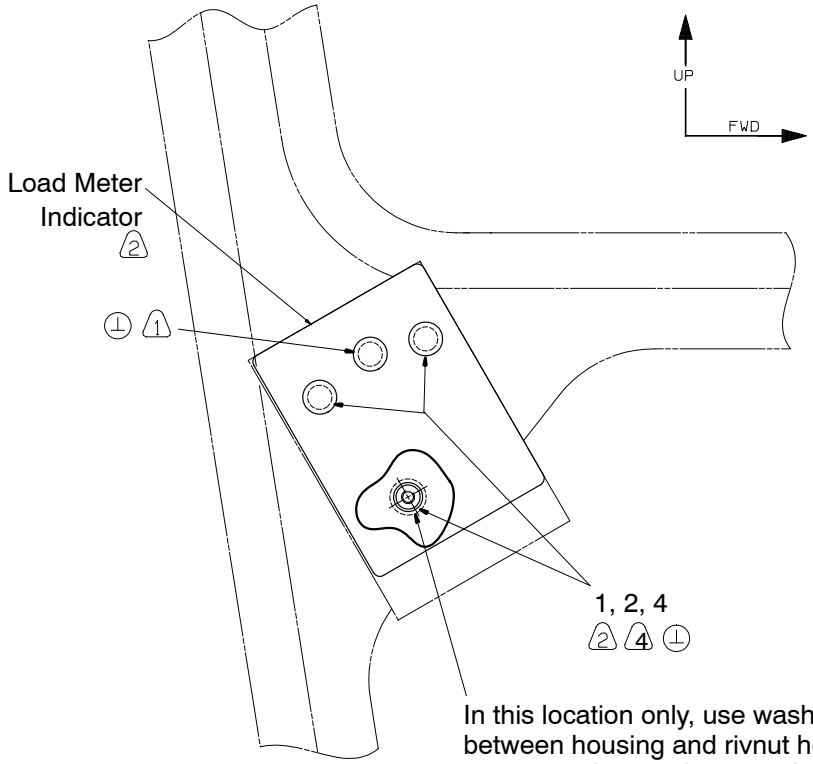
Export Control Classification Marking: 9E991



Legend (for Figure 28)

Item Description

1. Screws (P/N LN9439AM5X12)
2. Washers (P/N LN9016- 05K)
3. Washer (P/N LN9025- 0810N)
4. Rivnut (P/N 195- 015)
5. Thread Locking Adhesive (P/N Loctite 242)
6. Electrical Joint Compound (P/N Penetrox A13)



DETAIL VV

1 4 Contact between mating surfaces to be free from protective coating. Before installation, apply electrical joint compound (6).

3. Apply adhesive (5) on mounting screws before installation.

2 Install load meter using existing hardware. Install load meter housing with existing hardware or screws (1) and washers (2).

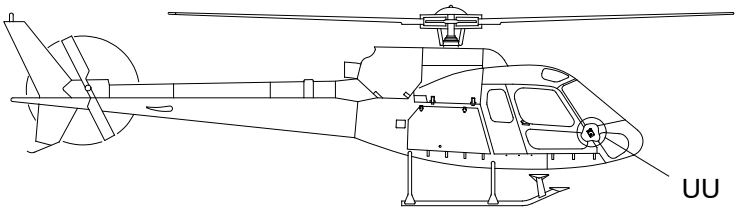
1 1 In this area housing to be free from protective coating.

NOTES

Figure 28 Load Meter Installation with polycarbonate canopy, PRE MOD AMS 07- 2488

Transport Canada - Accepted

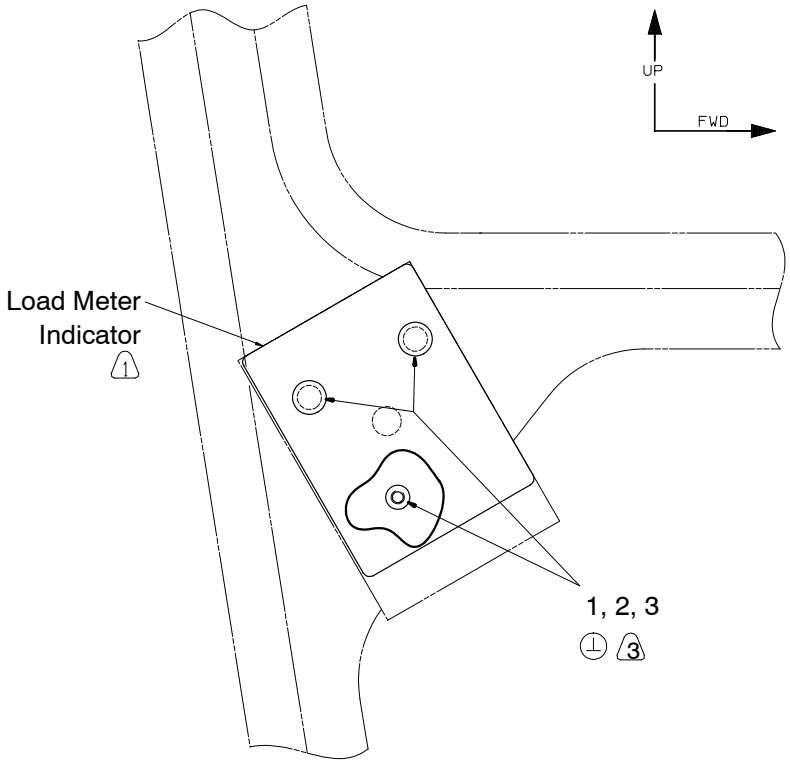
Export Control Classification Marking: 9E991



Legend (for Figure 29)

Item Description

1. Screw (P/N 9439AM5X12)
2. Washer (P/N LN9015- 05K)
3. Rivnut (P/N SL854M5F4C)
4. Thread Locking Adhesive (P/N Loctite 242)
5. Electrical Joint Compound (P/N Penetrox A13)



VIEW UU

3 Contact between mating surfaces to be free from protective coating. Before installation, apply electrical joint compound (5).

2. Apply adhesive (4) on mounting screws before installation.

1 Install load meter using existing hardware. Install load meter housing with existing hardware or with screws (1) and washers (2).

NOTES

Figure 29 Load Meter Installation with sheet metal canopy, POST MOD AMS 07- 2488

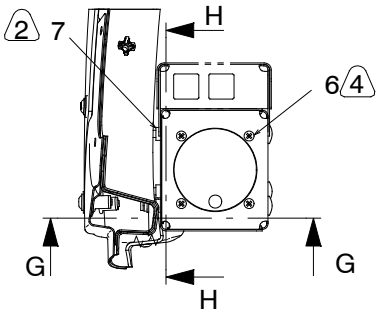
Transport Canada - Accepted

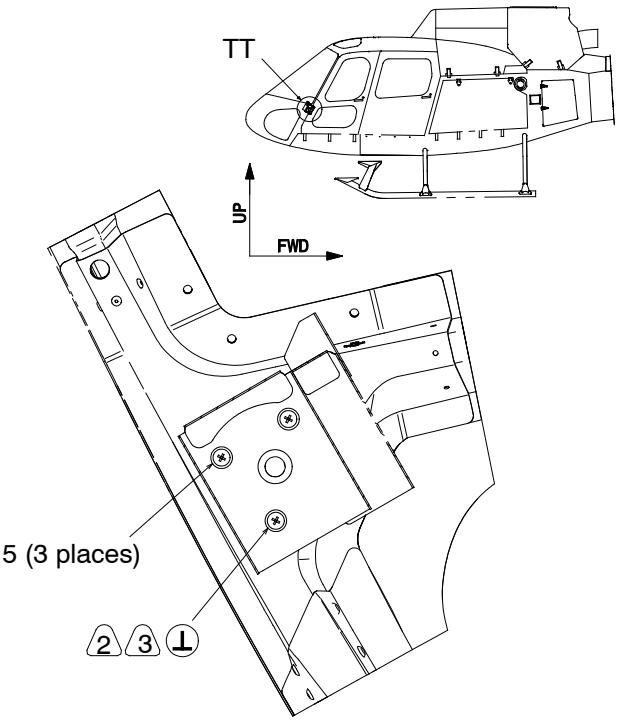
Export Control Classification Marking: 9E991

Legend (for Figure 30)

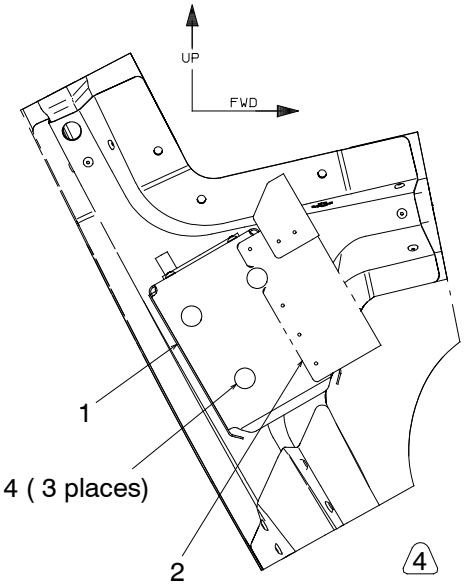
Item Description

1. Loadmeter Housing Assembly
2. Switch Housing Assembly with Remote Caution Annunciator
3. Nut Plate (P/N MK-03)
4. Plug (P/N DHX751-111.04)
5. Screw (P/N A0164TK050S014X)
6. Screw (P/N MS51957-26)
7. Washer (P/N 23119AG050LE)
8. Conductive Paste (P/N ECS2241.20)

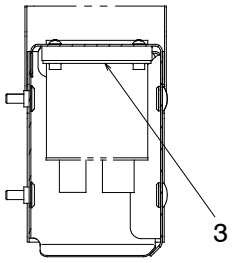




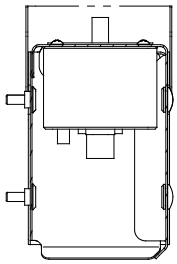
SECTION H-H



DETAIL TT
Door post on LH side, looking outboard



SECTION G-G
-01 Installation
Loadmeter requiring nutplate



SECTION G-G
-02 Installation
Loadmeter without nutplate

4 -01 Installation - re-use existing hardware
-02 Installation - use screw (6)

⊥ 3 Contact area between mating surfaced to be free from protective coating to ∅12mm around screw/bolt. Before installation, apply conductive paste (8).

2 Length of screw (5) may be adjusted to fit with interior panelling. Washer (7) may or may not be required for installation.

1 For POST MOD AMS 07-20112 installation on the AS 350 B3.

NOTES:

Figure 30 Load Meter Relocation, POST MOD AMS 07-20112 (AS 350 B3)

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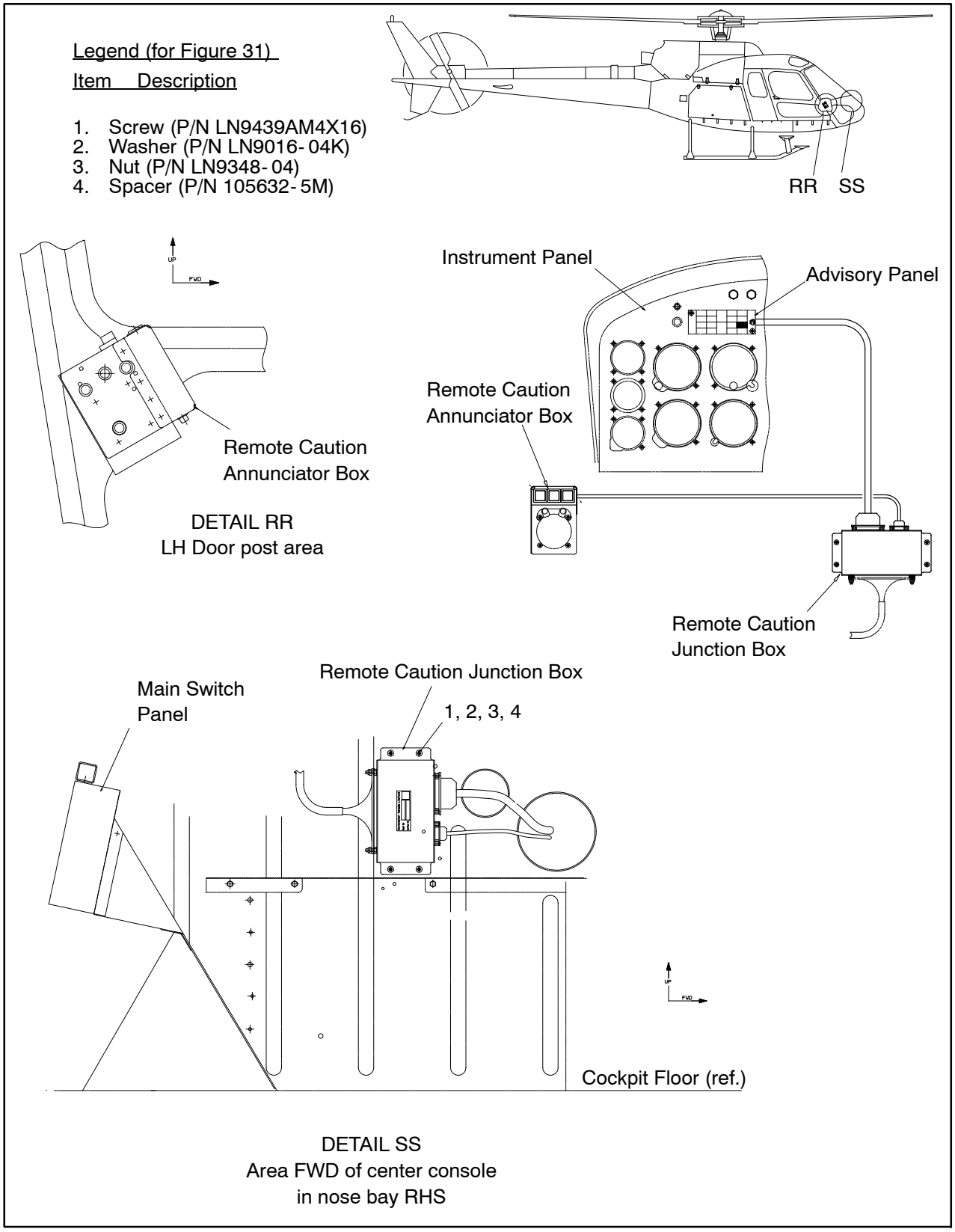

Figure 31 Remote Caution Annunciator System (AS 350 BA, B2 & B3)

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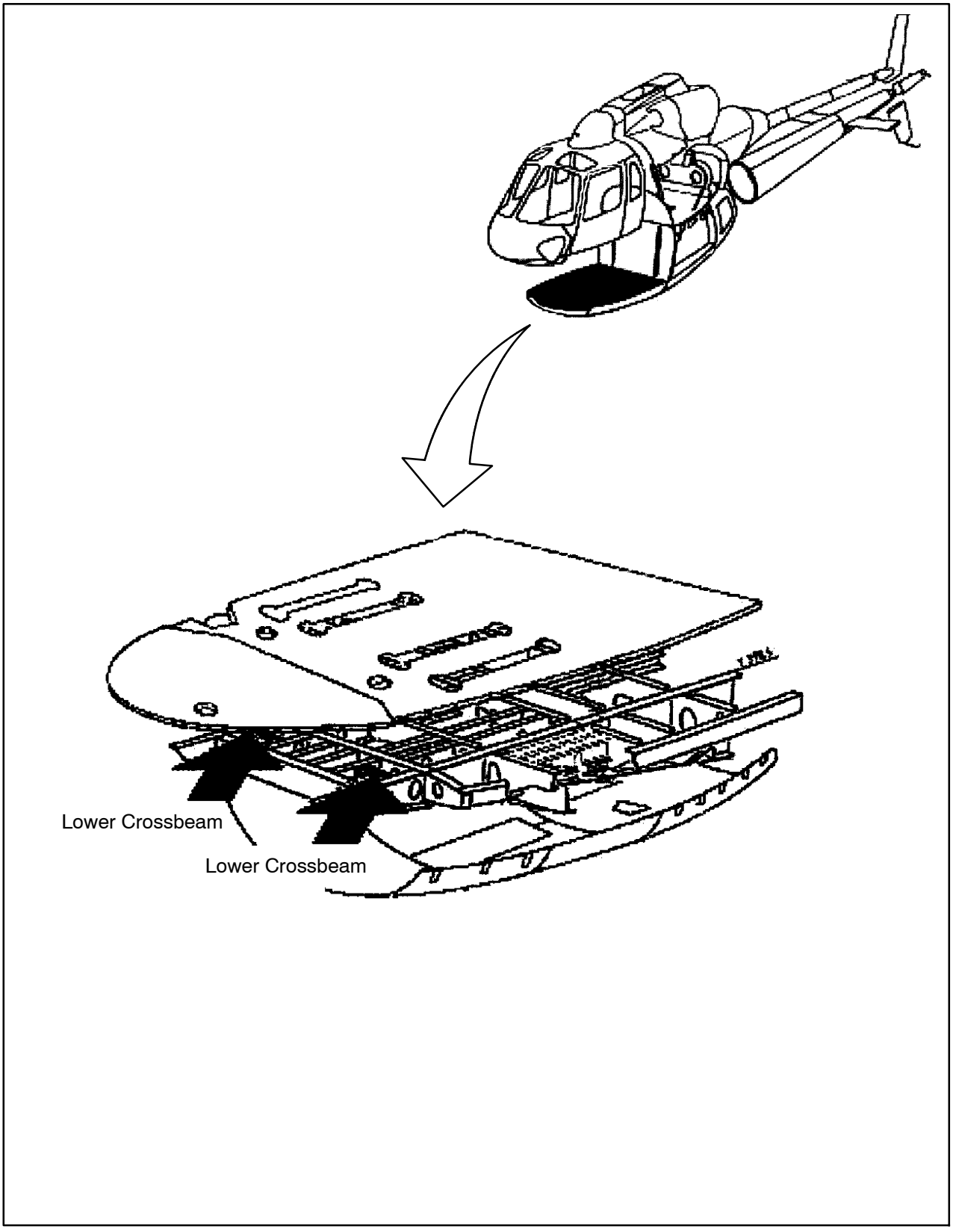

Figure 32 Location of the Lower Crossbeam of the Yaw Control Bellcrank Support

C. **REFERENCES**

DOCUMENT	DOCUMENT TITLE
AC- 43.13 - 1B	Acceptable Methods, Techniques and Practices - Aircraft Inspection and Repair
AMM	Aircraft Maintenance Manual
AMS 07- 2816	Avis de Modification Serie 07 2816 Option of Modification Series AMS 07 2816
AMS 07- 3274	Avis de Modification Serie 07 3274 Option of Modification Series AMS 07 3274
AMS 07- 3283/07- 4685	Avis de Modification Serie 07 3283/07- 4685 Option of Modification Series AMS 07 3283/ 07- 4685
AMS 07- 4280	Avis de Modification Serie 07 4280 Option of Modification Series AMS 07 4280
AMS 07- 20112	Avis de Modification Serie 07.20112 Option of Modification Series 07.20112
ATP H340I0226540	Acceptance Test Procedure AS 350 B3 Left Side Pilot Configuration
MTC	Standard Practices Manual
MET	Maintenance Manual
SB- ECL- 122	Service Bulletin - Left Side Pilot Configuration

D. **ABBREVIATIONS & DEFINITIONS**

ABBREVIATION	DEFINITION
A	Amphere
a/c	aircraft
ACC TEST	Accuracy Test
AHCA	Airbus Helicopters Canada
Config.	configuration
FWD	Forward
IESI	Integrated Electronic Standby Instrument (GI 275 unit)
LHS	Left Hand Side
MOD	Modification Operational Equipment
No.	Number
OAT	Outside Air Temperature
P/N	Part Number
ref.	reference
RHS	Right Hand Side

C. **REFERENCES** (continued)

E. **UNITS OF MEASUREMENT**

ABBREVIATION / SYMBOL	UNIT OF MEASUREMENT
D	Days
FH	Flight Hours
hrs	hours
in	inch
kg	kilogram
lb	pound
m	meter
M	Months

2. AIRWORTHINESS LIMITATIONS

Canadian Approval
The Airworthiness Limitations section is approved by the Minister of Transport and specifies maintenance required by any applicable airworthiness or operating rule unless an alternative program has been approved by the Minister.

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

EASA Approval
The Airworthiness Limitations section is approved and variations must also be approved.

No Airworthiness Limitations associated with this installation.

3. CONTROL AND OPERATION

Control and operation of the aircraft remains unchanged.

4. INSPECTION SCHEDULE AND MAINTENANCE ACTION

NOTE: Collective, cyclic and yaw controls are rigged from Right- hand side as per AS 350 (excluding B2/B3) MET or AS 350 B2/B3 AMM.

NOTE: It has been brought to our attention that cracks have been found in the lower crossbeams of the yaw control bellcrank support. The yaw control is supported by lower and upper crossbeams. Each end of the crossbeams is attached to the bottom structure.

Airbus Helicopters Canada Limited Service Bulletin number SB- ECL- 122 has been issued to address this matter and the Inspection Schedule and Maintenance Action requirements are given in section 4.1.2.S and 4.1.3.E below.

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	For standard maintenance of the engine and main rotor controls, refer to the MET or AMM.	Repair in accordance with AS 350 (excluding B2/B3) MET, Chapters 67.10.00.501/502 , 67.20.00.501/502, and 76.00.00.502 or AS 350 B2/B3, AMM Chapters 67- 10- 00, 5- 1 /67- 10- 01, 5- 1, 67- 21- 00, 4- 1a/67- 21- 00, 4- 1b, (B2): 76- 11- 01, 5- 1 or 76- 11- 01, 5- 2 (B3) 76- 11- 02, 5- 1 or 76- 11- 02, 5- 2.
B	For standard maintenance of the tail rotor flight control, refer to the MET or AMM.	Repair in accordance with AS 350 (excluding B2/B3) MET, Chapter 67.20.00.603 or AS 350 B2/B3, AMM, Chapter 67- 00- 00, 6- 2.
C	For standard maintenance of the engine controls with twist grip, refer to the MET or AMM.	Repair in accordance with AS 350 (excluding B2/B3) MET, Chapter 76.30.10.501 or AS 350 B2 AMM, Chapter 76- 12- 01. 5- 1 or AS 350 B3, AMM, Chapter 76- 12- 03, 5- 5. Refer to Special Instructions following Table 2.
D	- Check mounting hardware securing instrument panel shown in Figures 2, 3, 4 5, 6 and 7, for: a. security	 a. Secure as required.

Table 1 Inspection Schedule and Maintenance Action
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
(continued on following page)

4. **INSPECTION SCHEDULE AND MAINTENANCE ACTION** (continued)

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
E	- Check mounting hardware securing RH frame assembly (3) to instrument panel (1) shown in Figure 7 for: a. security	a. Secure as required on instrument panel face. Refer to VIEW U. Remove protective coating (7) from bolt head and washer and clean area. Re- secure hardware and re apply protective coating (7) to 5mm beyond limits of washer. Refer to NOTE 3 and VIEW T.
F	- Check mounting hardware (4 & 5) securing USB frame assembly (1) and LH Frame Assembly (2), shown in Figure 8 for: a. security	a. Remove protective coating (6) from screw head and washer and clean area. Re- secure hardware and re apply protective coating (6) to cover screw head and washer to 5mm beyond cleaned area. Refer to NOTE 3 and SECTION D- D.
G	- Check mounting hardware securing USB frame assembly (2) shown in Figure 9, for: a. security	a. Remove lose hardware and clean area. Reapply conductive paste (7) to bared area before installation of hardware. Refer to NOTE 1 and VIEW R.
H	- Check mounting hardware, items 1 and 2, for the Fuse Panel, in Figure 10, for: a. security	a. Secure as required.

Table 1 Inspection Schedule and Maintenance Action
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
(continued on following page)

4. **INSPECTION SCHEDULE AND MAINTENANCE ACTION** (continued)

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
I	- Visually inspect hook and loop, fastener (3 & 4), on fuse panel in Figure 10, and (1 & 2) on fuse panel in Figure 11, for:	
	a. wear (tears, areas have become worn)	a. Wear is not permitted. If wear is evident, replace hook and loop fastener in accordance with MTC, Chapter 20.03.04.406.
	b. security	b. Secure as required.
J	- For standard maintenance of flight controls, in Figures 13, 16, 18 and 19, refer to the MET or AMM.	Repair in accordance with AS 350 (excluding B2/B3) MET, Chapter 67.10.00.401 or AS 350 B2/B3, AMM, Chapter 67-10-00, 4-2.
K	- Visually inspect throttle lever, in Figure 17, for:	
	a. condition (in particularly where lever contacts edges of detent plate (for AS 350 BA / B2 only).	a. Repair as necessary.
L	- Visually inspect collective lock device, in Figure 21, for:	
	a. condition	a. Repair as necessary.
	b. position/correct alignment (refer to Figure 23)	b. Adjust position of screw (2) and washer (3) shown in Figure 22 and and screw (3) shown in Figure 23 to ensure proper locking. Refer to NOTE 1.
	c. wear on the lock assembly (2) and the threaded round standoff (3)	c. Wear is not permitted. If wear is evident contact AHCA for replace part.
M	- Check mounting hardware, item 1, for OAT Probe BA and B2, in Figure 24, for:	
	a. security	a. Secure as required.
N	- Check fire extinguisher installation attachment hardware shown in Figures 25 and 26, for:	
	a. security	a. Re-tighten as required.

Table 1 Inspection Schedule and Maintenance Action
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
(continued on following page)

4. **INSPECTION SCHEDULE AND MAINTENANCE ACTION** (continued)

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
O	- Check mounting hardware securing Load Meter Housing to aircraft shown in Figures 27, 28, 29 & 30, for: a. security	 a. Secure as required.
P	- Check connection between wire harness and switch housing connector plugs shown in Figures 27, 28, 29 & 30, for: a. security	 a. Secure as required.
Q	- Check mounting hardware securing the load meter to the load meter housing shown in Figures 27, 28, 29 & 30, for: a. security	 a. Secure as required.
R	- Check mounting hardware, items 1, 2, 3 and 4, for the remote caution Junction box, shown in Figure 31, for: a. security	 a. Secure as required.
S	- Visually inspect the lower crossbeams of the yaw control bellcrank support on left hand and right hand sides, in Figure 32, for: a. cracks	 a. Stop drill cracks as per MTC Chapter 20.03.05.404. Replace the lower crossbeams of the yaw control bellcrank support if unable to stop drill cracks. Repair in accordance with AS 350 (excluding B2/B3) MET, Chapters 53.00.00.405 and 67.20.00.404 or AS 350 B2/B3 refer to AMM, Chapters 53-51-00, 4-2 and 67-21-00, 5-1.
T	- Check placards and markings (refer to Section 10) for: a. legibility b. secure mounting	 a. If placards and markings have become illegible, contact AHCA for replacement part. b. Secure, reattach placards as required.

Table 1 Inspection Schedule and Maintenance Action
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
(continued on following page)

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4. **INSPECTION SCHEDULE AND MAINTENANCE ACTION** (continued)

4.1.2. If operating AS 350 BA, B2 only:
Every 600 FH or 24 M (Margin: 60 FH or 73 D) to coincide with the 600 FH or 24 M helicopter inspection, whichever occurs first:
or
If operating AS 350 B3 only:
Every 750 FH or 24 M (Margin: 75 FH or 73 D) to coincide with the 750 FH or 24 M helicopter inspection, whichever occurs first:

ITEM	INSPECTION OR MAINTENANCE WORK	CORRECTIVE ACTION
A	- Complete Navigation System check in accordance with AS 350 B3 MSM Chapter 05-22-00.	- Perform Navigation - Inspection / Check, AS 350 B2/B3 AMM, Chapter 34-00-00, 6-1.
B	- Visually inspect pitot tubing assembly (4) and static tubing assembly (5), shown in Figure 9,for: a. security of connections and plugs b. cracking of hoses	 a. Secure as required. b. No cracking is allowed. If cracking is found remove and replace in accordance with Section 8 of this ICA.
C	- Visually inspect lock assembly (2), shown in Figure 21, for: a. security	 a. Secure as required.
D	- Visually inspect lock assembly (2), shown in Figures 21 & 23, for: a. position/correct alignment (refer to Figure 23)	 a. Adjust position of screw (2) and washer (3) shown in Figure 22 and and screw (3) shown in Figure 23 to ensure proper locking. Refer to NOTE 1.
E	- Visually inspect the lower crossbeams of the yaw control bellcrank support on left hand and right hand sides, in Figure 32, for: a. cracks	 a. Stop drill cracks as per MTC Chapter 20.03.05.404. Replace the lower crossbeams of the yaw control bellcrank support if unable to stop drill cracks. Repair in accordance with AS 350 (excluding B2/B3) MET, Chapters 53.00.00.405 and 67.20.00.404 or AS 350 B2/B3, AMM Chapter 53-51-00, 4-2 and 67-21-00, 5-1.

Table 2 Inspection Schedule and Maintenance Action
If operating AS 350 BA, B2 only:
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
or
If operating AS 350 B3 only:
Every 750 FH or 24 M (Margin: 75 FH or 73 D) to coincide with the 750 FH or 24 M helicopter inspection, whichever occurs first

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4. **INSPECTION SCHEDULE AND MAINTENANCE ACTION** (continued)

4.1.3. AS 350 B3 with Arriel 2D Engine:
Every 750 FH or 24 M (Margin: 75 FH or 73 D) to coincide with the 750 FH or 24 M helicopter inspection, whichever occurs first:

ITEM	INSPECTION OR MAINTENANCE WORK	CORRECTIVE ACTION
A	- Complete Main Flight Controls - Inspection/Check for AS 350 B3 with Arriel 2D Engine in accordance with AS 350 B2/B3 AMM, Chapter 67-10-00, 6-1.	- Perform Main Flight Controls - Inspection/Check, AS 350 B2/B3 AMM, Chapter 67-10-00,6-1.

Table 3 Inspection Schedule and Maintenance Action
AS 350 B3 with Arriel 2D Engine:
Every 750 FH or 24 M (Margin: 75 FH or 73 D) to coincide with the 750 FH or 24 M helicopter inspection, whichever occurs first

4.1.4 Special Instructions: Twist Grip Adjustments

For aircraft AS 350 B3, refer to AMM, Adjustment/Testing- Engine Control with Twist Grip (PRE MOD AMS 07-3084), Chapter 76-12-02, 5-1a, or Adjustment/Testing- Engine Control with Twist Grip (POST MOD AMS 07-3084), Chapter 76-12-02, 5-1b.

Table 4 Special Instructions: Twist Grip Adjustments

5. **REPLACEMENT COMPONENTS AND REPAIR / OVERHAUL INFORMATION**

Contact AHCA for replacement component parts. No overhaul information required for this installation.

For information contact Airbus Helicopter Customer Support Representatives:

Email: hcaresupport.canada@airbus.com

After Hours AOG Support: 1-800-267-4999

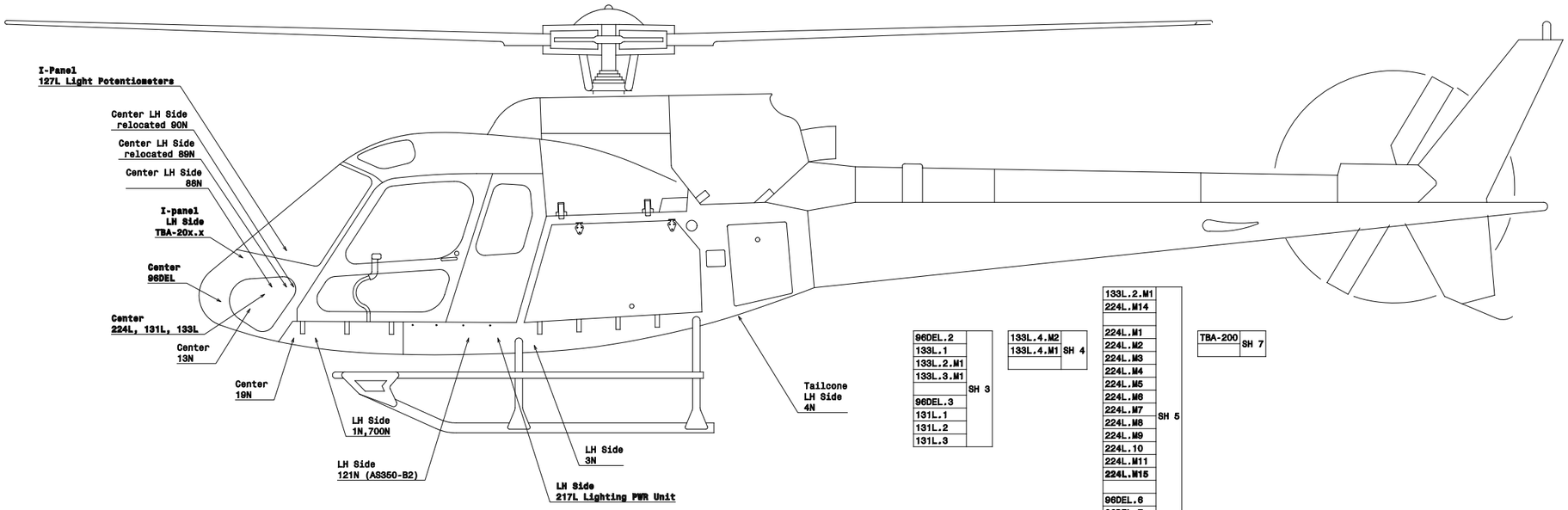
Visit our website at www.airbushelicopters.ca

6. **TROUBLESHOOTING**

For electrical system troubleshooting, refer to Figures 33 to 44, Left Side Pilot Configuration, Wiring Diagram.

For aircraft AS 350 B3 Instrument Light Bezels, refer to Figures 33 to 43.

If the GI 275 fails to perform to specifications, refer to Fault Isolation - GI 275, AS 350 B2/B3 AMM, Chapter 34-25-32, 1-1.



Harness to be installed to:
MBBN 3343 and AC43. 13- 1B Chapter 11.

Figure 33 Instrument Lighting MOD, POST MOD AMS 07- 4280, Page 1 of 8, Rev. A, Wiring Diagram

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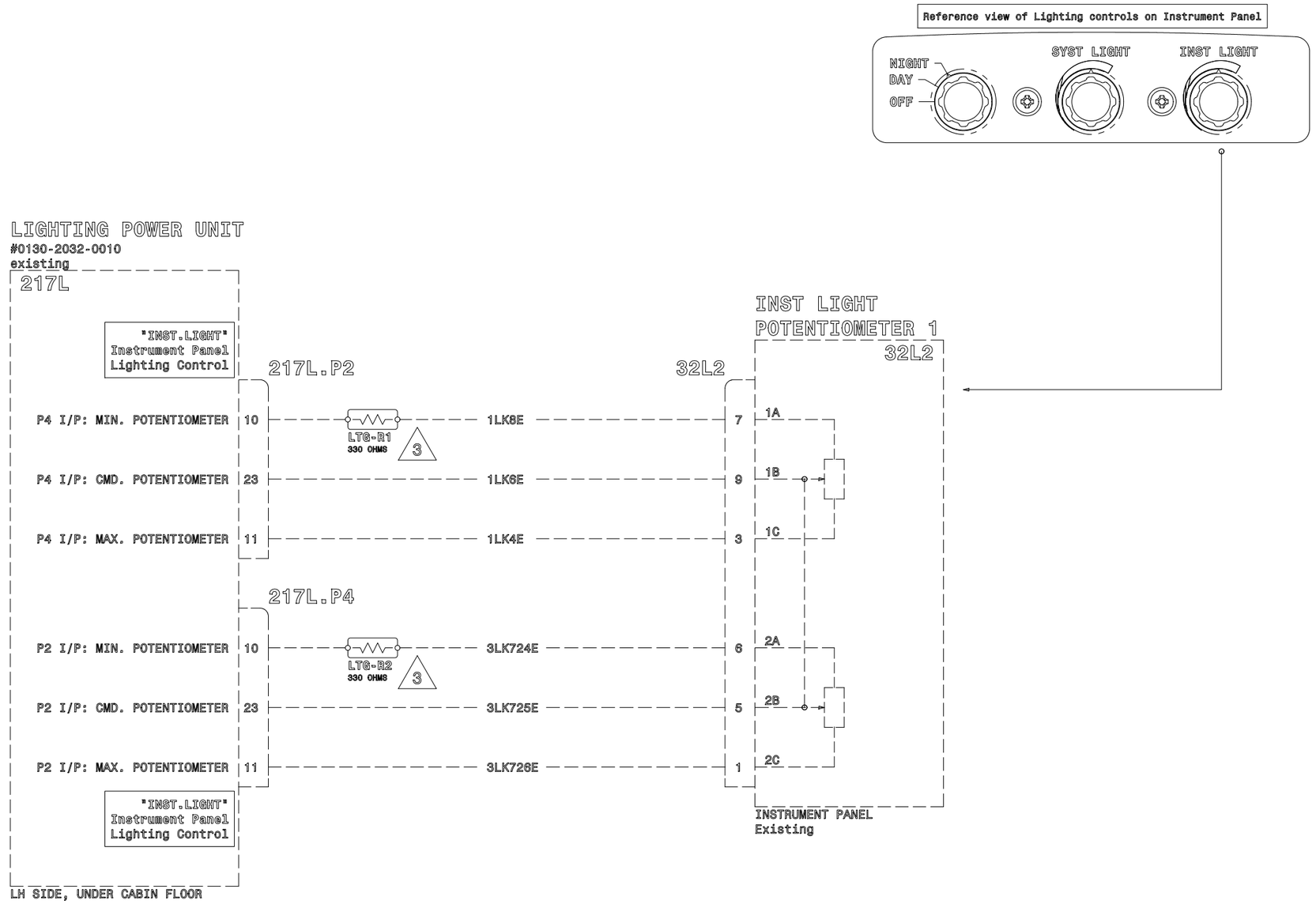
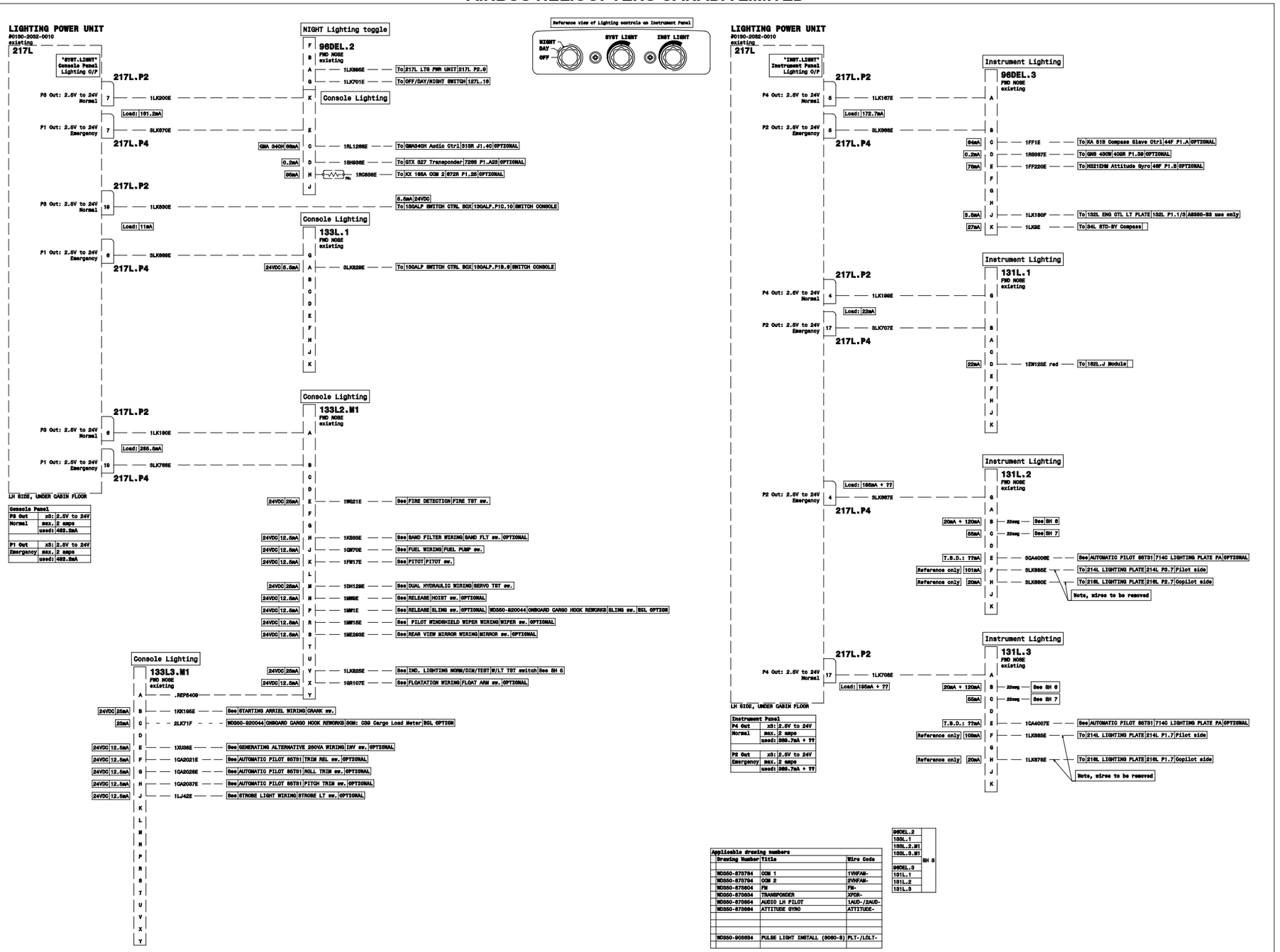


Harness to be installed to:
MBBN 3343 and AC43. 13- 1B Chapter 11.

Figure 34 Instrument Lighting MOD, POST MOD AMS 07- 4280, Page 2 of 8, Rev. A, Wiring Diagram



Harness to be installed to:
MBBN 3343 and AC43. 13- 1B Chapter 11.

Figure 35 Instrument Lighting MOD, POST MOD AMS 07- 4280, Page 3 of 8, Rev. A, Wiring Diagram

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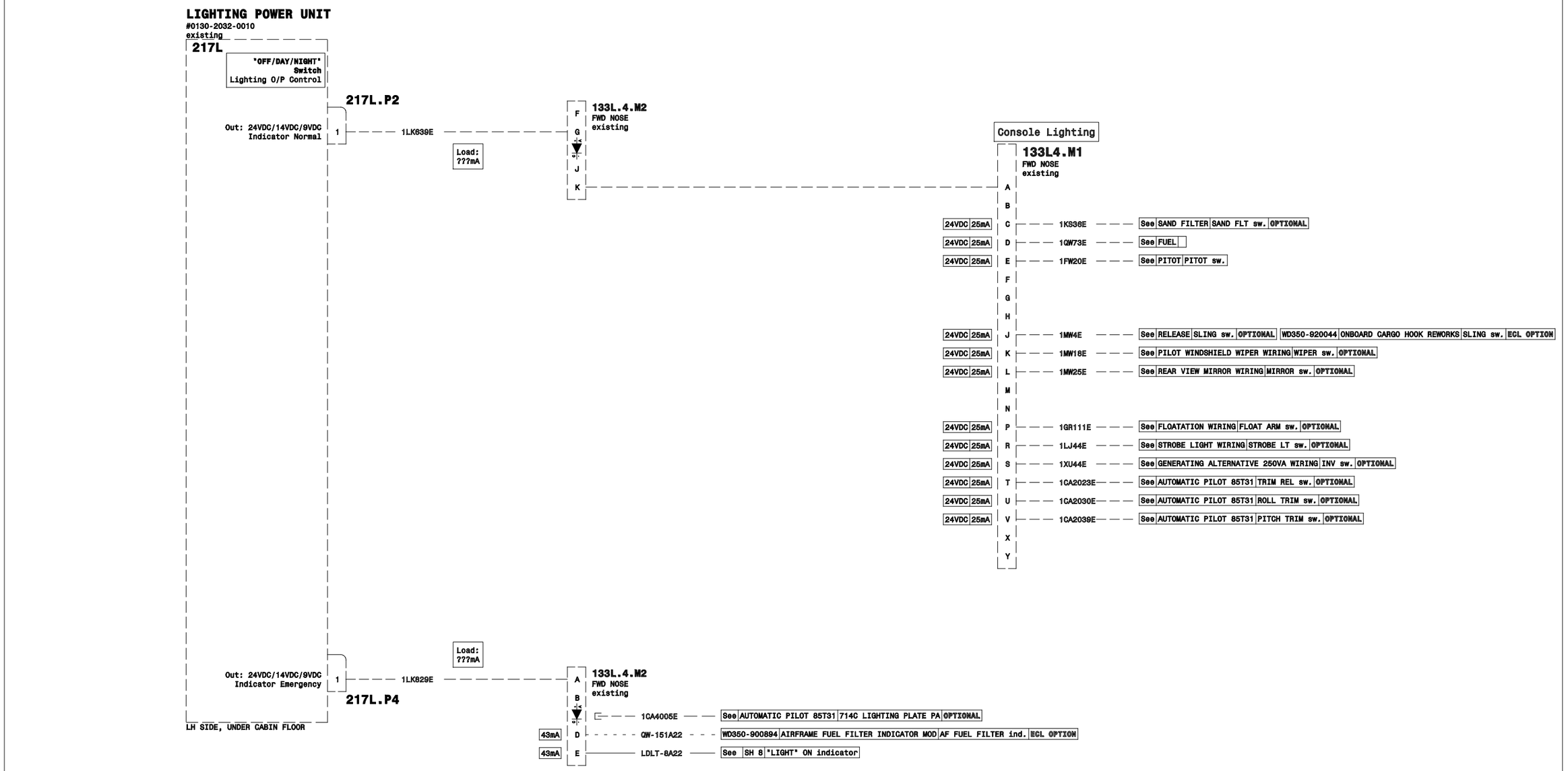

Harness to be installed to:
MBBN 3343 and AC43. 13- 1B Chapter 11.

Figure 36 Instrument Lighting MOD, POST MOD AMS 07- 4280, Page 4 of 8, Rev. A, Wiring Diagram

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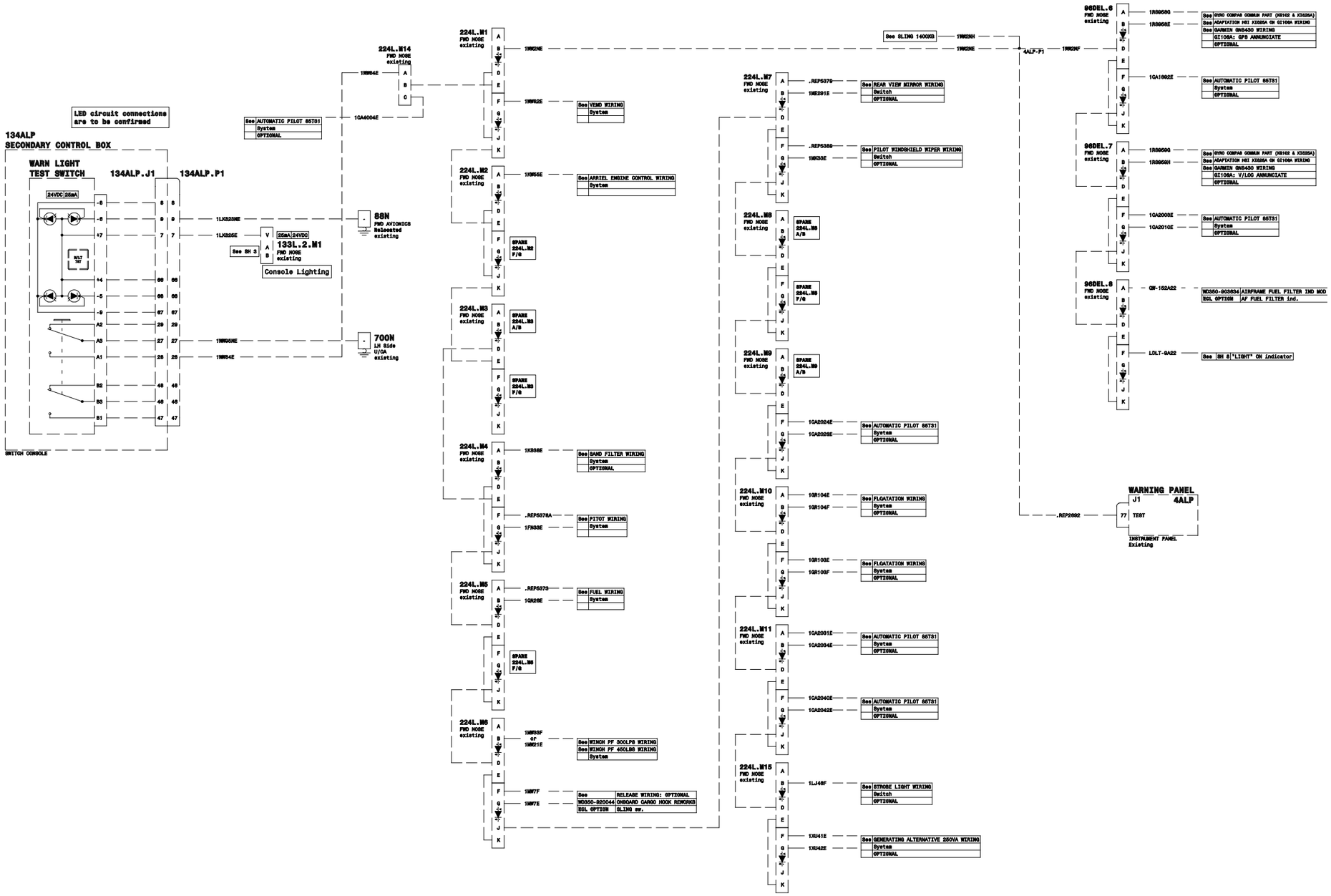

Harness to be installed to:
MBBN 3343 and AC43. 13- 1B Chapter 11.

Figure 37 Instrument Lighting MOD, POST MOD AMS 07- 4280, Page 5 of 8, Rev. A, Wiring Diagram

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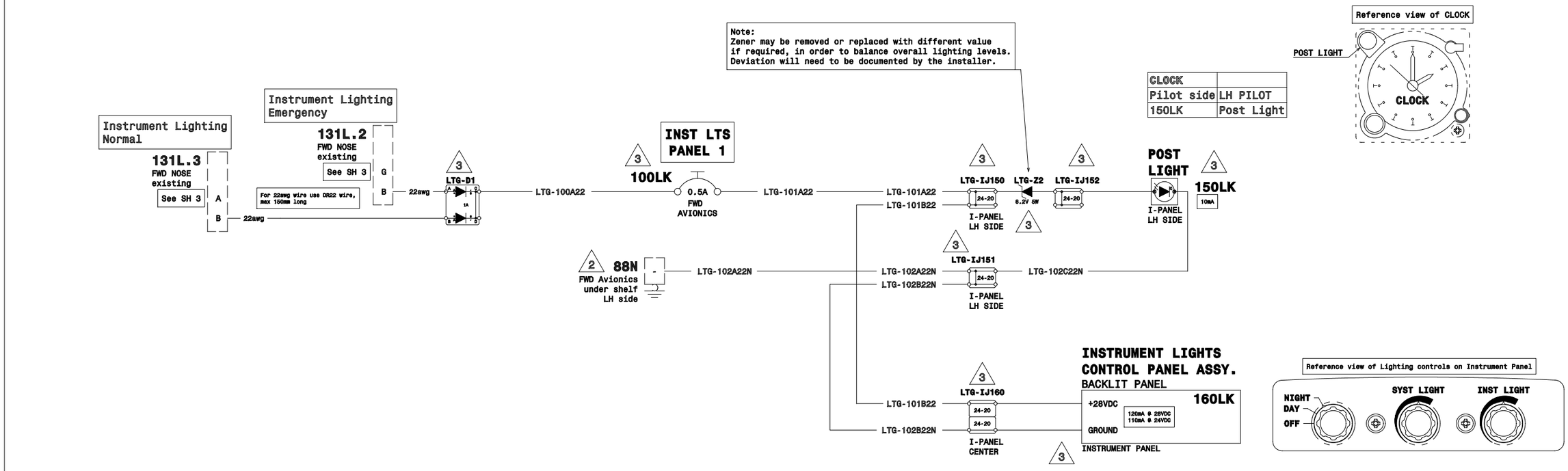
Export Control Classification Marking: 9E991



Harness to be installed to:
MBBN 3343 and AC43. 13- 1B Chapter 11.

Figure 38 Instrument Lighting MOD, POST MOD AMS 07- 4280, Page 6 of 8, Rev. A, Wiring Diagram

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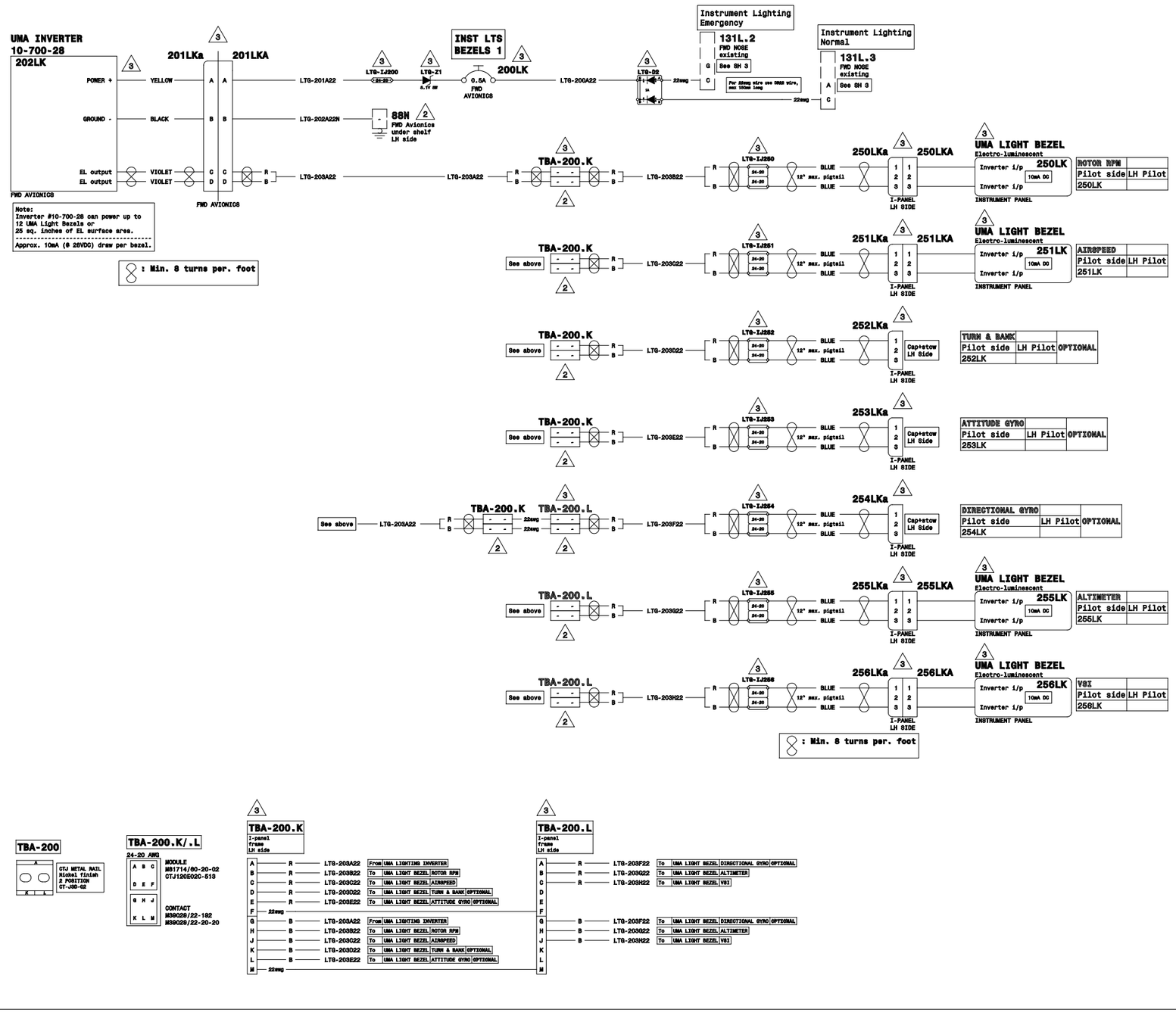
Export Control Classification Marking: 9E991



Harness to be installed to:
MBBN 3343 and AC43. 13- 1B Chapter 11.

Figure 39 Instrument Lighting MOD, POST MOD AMS 07- 4280, Page 7 of 8, Rev. A, Wiring Diagram

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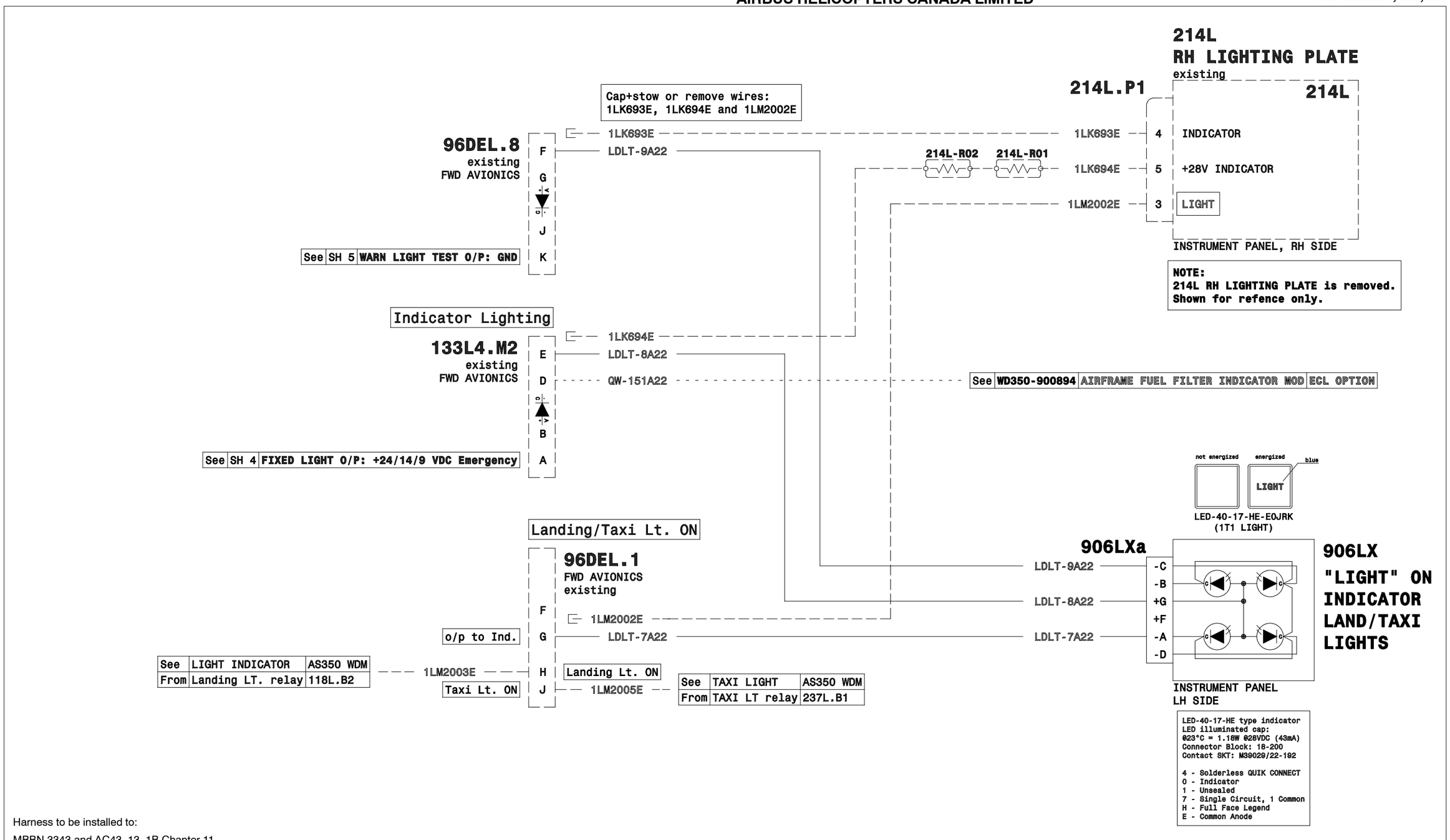
Export Control Classification Marking: 9E991



Harness to be installed to:
MBBN 3343 and AC43. 13- 1B Chapter 11.

Figure 40 Instrument Lighting MOD, POST MOD AMS 07- 4280, Page 8 of 8, Rev. A, Wiring Diagram

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Export Control Classification Marking: 9E991

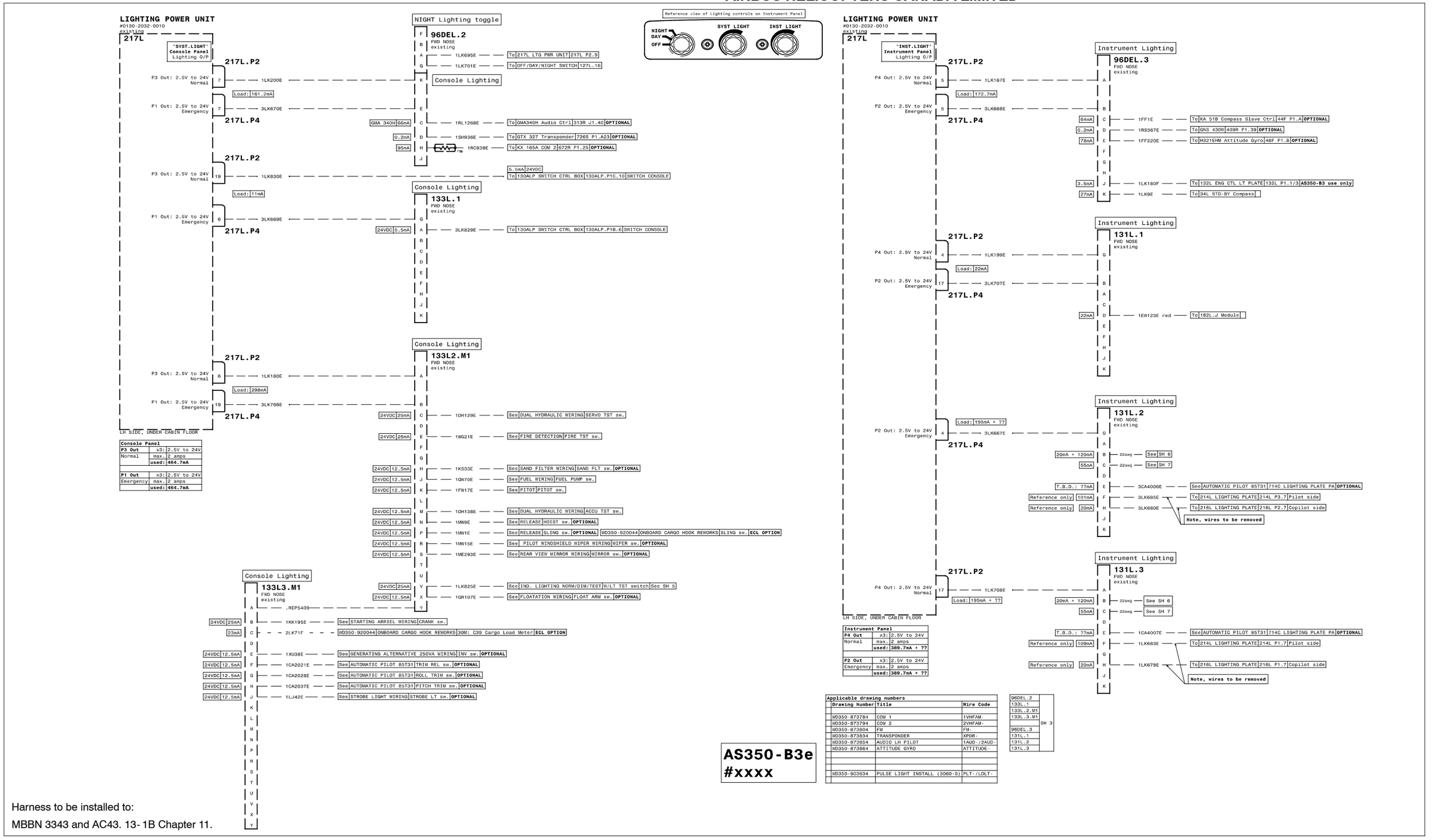
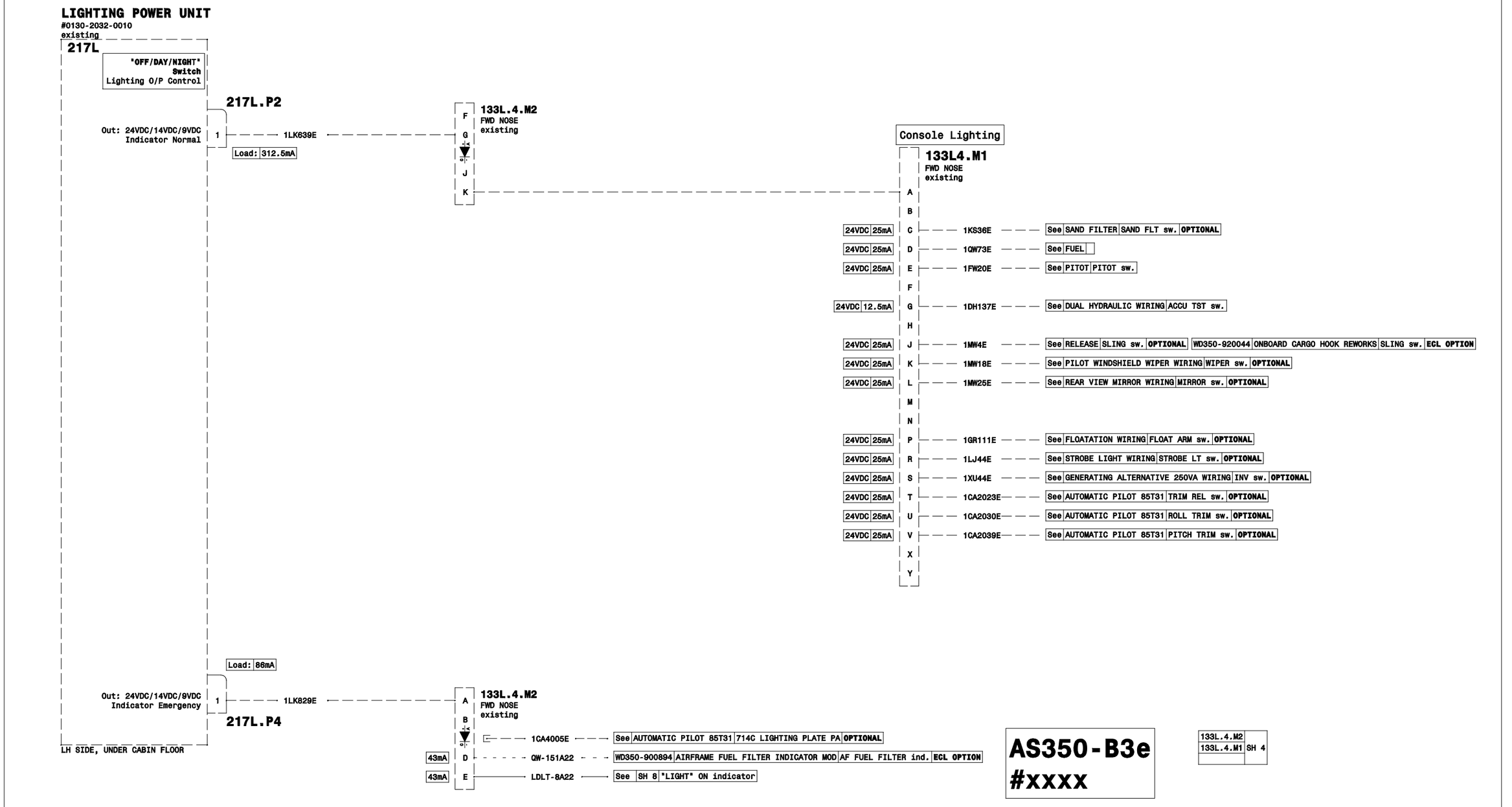


Figure 41 Instrument Lighting MOD, POST MOD AMS 07-4280, Page 3 of 8, Rev. B, Wiring Diagram

Transport Canada Accepted

Export Control Classification Marking: 9E991

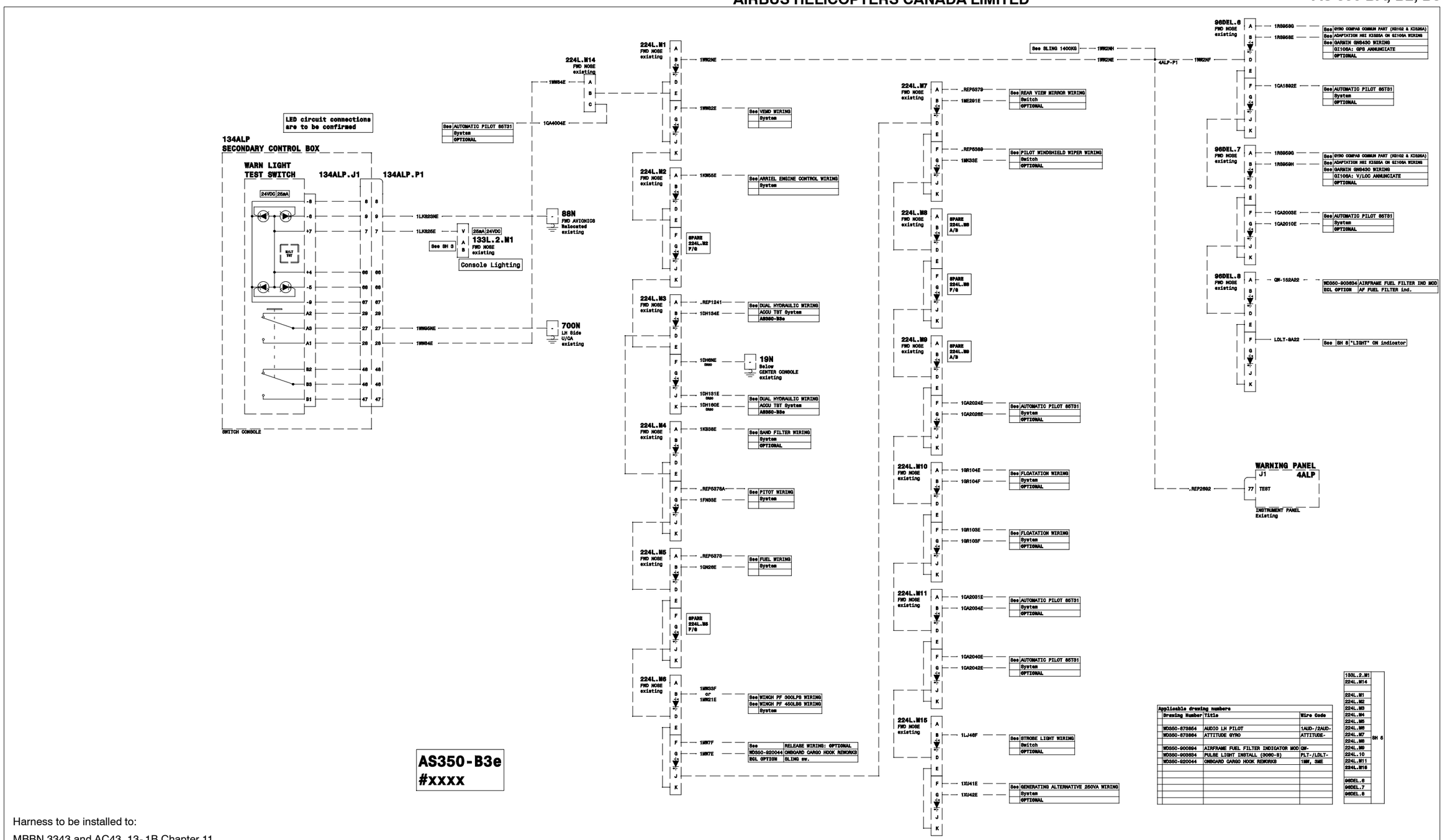


Harness to be installed to:
MBBN 3343 and AC43. 13- 1B Chapter 11.

Figure 42 Instrument Lighting MOD, POST MOD AMS 07- 4280, Page 4 of 8, Rev. B, Wiring Diagram

Transport Canada Accepted

Export Control Classification Marking: 9E991



Harness to be installed to:
MBBN 3343 and AC43. 13- 1B Chapter 11.

Figure 43 Instrument Lighting MOD, POST MOD AMS 07- 4280, Page 5 of 8, Rev. B, Wiring Installation

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Export Control Classification Marking: 9E991

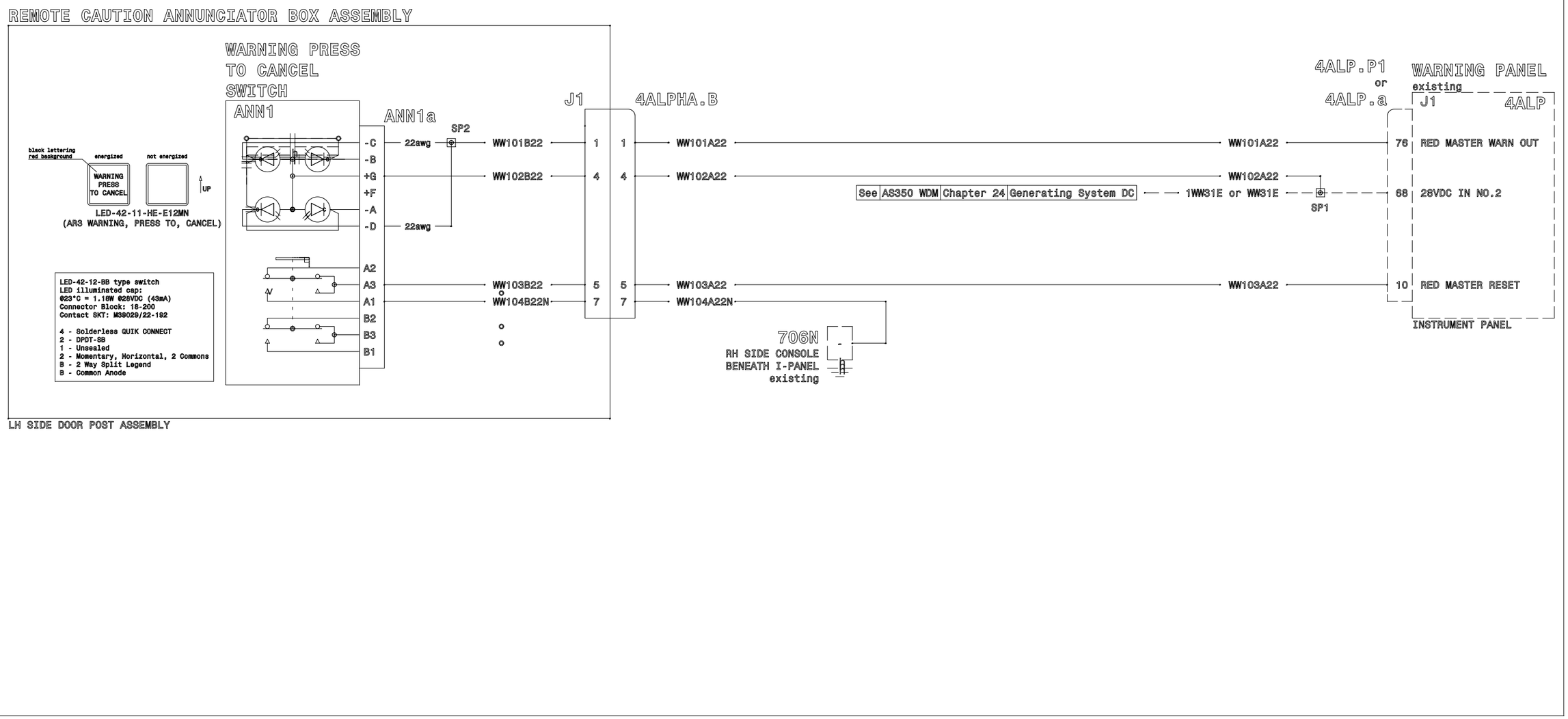

Figure 44 Remote Caution Annunciator Box Assembly, Wiring Diagram

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7. SPECIAL TOOLING

For AS 350 B3 POST MOD AMS 07-20112 Adjustment / Test of Air Data System or GI 275 Functional Test - the following special tools are required:

703A92-0201-00	Pitot head blank
703A92-0205-00	Static port blanking cap
703A94-0003-00	Inclinometer or equivalent
GEDRUCK542F	Pressure generator or equivalent

8. REMOVAL AND REPLACEMENT

PRELIMINARIES

A. For AS 350 (excluding AS 350 B2/B3):

- Read General Safety Instructions - Electrical Power Supply System, refer to AS 350 MET, Chapter 24-00-00-301.
- Comply with Instructions Applicable during Maintenance, refer to MTC, Chapter 20-07-03-401.
- Disconnect the external power in accordance with AS 350 MET, Chapter 24-00-00-301 (if applicable).
- Disconnect the battery in accordance with AS 350 MET, Chapter 24-30-00-401.

B. For AS 350 B2/B3:

- Read General Safety Instructions - Electrical Power Supply System, refer to AS 350 AMM, Chapter 24-00-00, 3-1.
- Comply with Instructions Applicable during Maintenance, refer to MTC, Chapter 20-07-03-401.
- Disconnect the external power in accordance with AS 350 B2/B3 AMM, Chapter 24-00-00, 2-1a PRE MOD AMS 07-4280 or 24-00-00, 2-1b POST MOD AMS 07-4280 (if applicable).
- Disconnect the battery in accordance with AS 350 B2/B3 AMM, Chapter 24-33-00, 401.

C. Open any circuit breakers associated with the Left Side Pilot Configuration before any servicing action.

D. Remove glareshield if removing/installing instruments from instrument panel. Refer to Figures 2, 3, 4, 5, 6, 7, 8 & 9.

E. Comply with general safety instructions for navigation, refer to AS 350 B2/B3, AMM, Chapter 34-00-00, 3-1.

F. Remove glare shield from instrument panel.

G. Unlock collective by pressing lock assembly and pull collective lever up.

H. If removing collective lever, cyclic control or pedal, remove lower cowlings.

For aircraft AS 350 (excluding B2 & B3), refer to Forward & aft lower cowling under bottom structure: Removal, AS 350 MET, Chapter 53.00.00.405.
For aircraft AS 350 B2/B3, refer to Removal, Lower fairings, AS 350 B2/B3, AMM, Chapter 53-51-00, 4-2.

8. **REMOVAL AND REPLACEMENT** (continued)

A. REMOVAL

1) COLLECTIVE LEVER

a) For aircraft AS 350 (excluding B2 & B3), remove the Collective Lever in accordance with “Collective” Control - Removal, AS 350 (excluding B2 & B3) MET, Chapter 67-10-00-403.

b) For aircraft AS 350 B2/B3, remove the Collective Lever in accordance with Collective Control - Removal, AS 350 B2/B3, AMM, Chapter 67-12-00, 4-1.

2) CYCLIC CONTROLS

a) For aircraft AS 350 (excluding B2 & B3), remove the Cyclic Controls in accordance with “Cyclic” control - Removal, AS 350 (excluding B2 & B3) MET, Chapter 67-10-00-402.

b) For aircraft AS 350 B2/B3, remove the Cyclic Controls in accordance with Cyclic Sticks - Removal, AS 350 B2/B3, AMM, Chapter 67-11-00, 4-1.

3) LOCK ASSEMBLY (Refer to Figure 21)

NOTE: Before removing hardware mark clip (15 or 16) location on tube.

a) Remove screws (9 or 10, 2 places), nuts (14, 2 places) washers (12, 4 places), steel spacer (6 or 7) and polycarbonate spacer (4 or 5) and remove lock assembly (2).

4) THREADED ROUND STANDOFF (Refer to Figure 21)

NOTE: Remove lock assembly (2).

a) Remove screws (8, 2 places), washers (13, 4 places) from bracket (1) and remove threaded round standoff (3). Refer to DETAIL C.

5) PITOT TUBING ASSEMBLY (POST MOD AMS 07-20112) (Refer to Figure 9)

a) Cut and remove lockwire (6) and disconnect pitot tubing assembly (4) from the back of the IESI (GI 275 unit). Refer to SECTION B-B.

b) Cut and remove lockwire (6) and disconnect pitot tubing assembly (4) from the existing pitot tubing T-fitting connection.

6) STATIC TUBING ASSEMBLY (POST MOD AMS 07-20112) (Refer to Figure 9)

a) Cut and remove lockwire (6) and disconnect static tubing assembly (5) from the back of the IESI (GI 275 unit). Refer to SECTION B-B.

b) Cut and remove lockwire (6) and disconnect static tubing assembly (5) from the existing static tubing T-fitting connection.

8. **REMOVAL AND REPLACEMENT** (continued)

B. REPLACEMENT

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

Comply with general safety instructions for mechanical assemblies - AS 350 B2/B3 AMM, Chapter 60-00-00, 3-1.

Safety with lockwire - MTC, Chapter 20-02-05-404.

1) COLLECTIVE LEVER

a) For aircraft AS 350 (excluding B2 & B3), install the Collective Lever in accordance with "Collective" control - Installation, AS 350 (excluding B2 & B3) MET, Chapter 67-10-00-403.

b) For aircraft AS 350 B2/B3, install the Collective Lever in accordance with Collective Control - Removal, AS 350 B2/B3, AMM, Chapter 67-12-00, 4-1.

2) CYCLIC CONTROLS

a) For aircraft AS 350 (excluding B2 & B3), install the Cyclic Controls in accordance with "Cyclic" Control - Installation, AS 350 (excluding B2 & B3), MET, Chapter 67-10-00-402.

b) For aircraft AS 350 B2/B3, install the Cyclic Controls in accordance with Cyclic Sticks - Removal, AS 350 B2/B3, AMM, Chapter 67-11-00, 4-1.

3) THREADED ROUND STANDOFF (Refer to Figure 21)

a) Align threaded round standoff (3) into bracket (1). Secure using screws (8, 2 places) and washers (13, 4 places). Refer to DETAIL C.

4) LOCK ASSEMBLY (Refer to Figures 21, 22 and 23)

a) Reposition clip (15 or 16) on collective lever at previously marked location. Refer to Figure 21.

b) Reposition steel spacer (6 or 7) and secure using screw (9 or 10), nut (14) washers (12, 2 places). Ensure that steel spacer (6 or 7) stays parallel to the floor.

c) Reposition polycarbonate spacer (4 or 5) and secure using screw (9 or 10), nut (14) washers (12, 2 places). Ensure parallelism between the hook of lock assembly (1) and threaded round standoff (3).

d) Ensure correct alignment of bracket (1). Press down on lock assembly (2), the lock assembly and threaded round standoff (3) must be in correct alignment. Refer to Figure 21.

NOTE: Adjust position of bracket (1) to insure proper locking. Refer to NOTE 1 in Figures 21 and 23.

5) PITOT TUBING ASSEMBLY (POST MOD AMS 07-20112) (Refer to Figure 9)

a) Remove plugs and connect pitot tubing assembly (4) to back of the IESI (GI 275 unit) and the existing 'T-fitting connection. Safety using lockwire (6). Refer to NOTE 4 and SECTION B-B.

6) STATIC TUBING ASSEMBLY (POST MOD AMS 07-20112) (Refer to Figure 9)

a) Remove plugs and connect static tubing assembly (5) to back of IESI (GI 275 unit) and the existing T-fitting connection. Safety using lockwire (6). Refer to NOTE 4 and SECTION B-B.

8. **REMOVAL AND REPLACEMENT** (continued)

7) Close all circuit breakers opened in the PRELIMINARIES paragraph of this section.

8) Reinstall center console LH access panel.

9) For AS 350 (excluding AS 350 B2/B3):

- Reconnect battery in accordance with AS 350 MET, Chapter 24-30-00-401
- Reconnect the external power unit, AS 350 MET, Chapter 24-00-00-301 (If required)
- Reference functional test - DC Power system in accordance with AS 350 MET, Chapter 24-30-00-501.

10) For AS 350 B2/B3:

- Reconnect battery, AS 350 B2/B3 AMM, Chapter 24-33-00, 4-1.
- Reconnect the external power unit, AS 350 B2/B3 AMM, Chapter 24-00-00, 2-1a PRE MOD AMS 07-4280, or 24-00-00,2-1b, POST MOD AMS 07-4280 (if required)
- Reference functional test - DC Power Supply System in accordance with AS 350 B2/B3, AMM, Chapter 24-30-00-5-1.

11) Close all areas opened for service in the PRELIMINARIES paragraph of this section.

12) Perform operational check of all systems that were serviced in accordance with the AS 350 MET or AMM procedures and the system's installation/operation manual.

C. OPERATIONAL TEST (POST MOD AMS 07-20112)

1) ATP Instrument panel Modifications
For AS 350 B3 POST MOD AMS 07-20112 with IESI (GI-275 unit)(Refer to Figure 9)

a) Perform Functional Test of Air Data System in accordance with AS 350 B2/B3 AMM, Chapter 34.10.00, 5-1.

b) Perform Fault Isolation test of the IESI GI 275 in accordance with AS 350 B2/B3 AMM, Chapter 34-25-32, 5-1.

NOTE: If replacing the GI 275, the Configuration Setup must be updated.
Refer to ATP H340I0226540 for procedure and additional information.

9. WEIGHT AND BALANCE DATA

NOTE: This Weight and Balance Chart is applicable to 350- 400004.

A. Removed Items

DESCRIPTION	WEIGHT		ARM		MOMENT	
	kg	lbs	m	in	kg m	lb in
Not Applicable	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00

B. Added Items

DESCRIPTION	WEIGHT		ARM		MOMENT	
	kg	lbs	m	in	kg m	lb in
Collective Control Quadrant	1.35	2.98	1.13	44.49	1.53	132.58
Collective Lever Fitting	0.38	0.84	1.13	44.49	0.43	37.37
Collective Cover Plate Assembly	0.04	0.09	1.13	44.49	0.05	4.00
Cyclic Stick Mod	0.39	0.86	1.13	44.49	0.44	38.26
Collective Lock Installation	0.30	0.66	1.13	44.49	0.34	29.36
Hardware	0.83	1.83	1.13	44.49	0.94	81.42
Total	3.29	7.26	1.13	44.49	3.72	322.99

NOTE: This Weight and Balance Chart is applicable to 350- 400074.

A. Removed Items

DESCRIPTION	WEIGHT		ARM		MOMENT	
	kg	lbs	m	in	kg m	lb in
Not Applicable	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00

B. Added Items

DESCRIPTION	WEIGHT		ARM		MOMENT	
	kg	lbs	m	in	kg m	lb in
Collective Control Quadrant	1.35	2.98	1.13	44.49	1.53	132.58
Collective Lever Fitting	0.38	0.84	1.13	44.49	0.43	37.37
Collective Cover Plate Assembly	0.04	0.09	1.13	44.49	0.05	4.00
Cyclic Stick Mod	0.39	0.86	1.13	44.49	0.44	38.26
Collective Lock Installation	0.30	0.66	1.13	44.49	0.34	29.36
Pilots LH Collective Mod	0.38	0.84	1.13	44.49	0.43	37.37
Hardware	0.88	1.94	1.13	44.49	0.99	86.21
Total	3.72	8.21	1.13	44.49	4.21	365.25

WEIGHT AND BALANCE DATA (continued)

NOTE: This Weight and Balance Chart is applicable to 350- 400164.

A. Removed Items

DESCRIPTION	WEIGHT		ARM		MOMENT	
	kg	lbs	m	in	kg m	lb in
Not Applicable	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00

B. Added Items

DESCRIPTION	WEIGHT		ARM		MOMENT	
	kg	lbs	m	in	kg m	lb in
Collective Control Quadrant	2.26	4.98	1.13	44.49	2.55	221.56
Collective Lever Fitting	0.38	0.84	1.13	44.49	0.43	37.37
Collective Cover Plate Assembly	0.04	0.09	1.13	44.49	0.05	4.00
Cyclic Stick Mod	0.39	0.86	1.13	44.49	0.44	38.26
Collective Lock Installation	0.30	0.66	1.13	44.49	0.34	29.36
Pilot LH Collective MOD	0.38	0.84	1.13	44.49	0.43	37.37
Map Case	0.72	1.59	1.70	66.93	1.23	106.42
Load Meter	0.44	0.97	1.30	51.18	0.57	49.64
Hardware	0.49	1.08	1.13	44.49	0.55	48.05
Total	5.40	11.91	1.22	48.03	6.58	572.03

10. PLACARDS AND MARKINGS

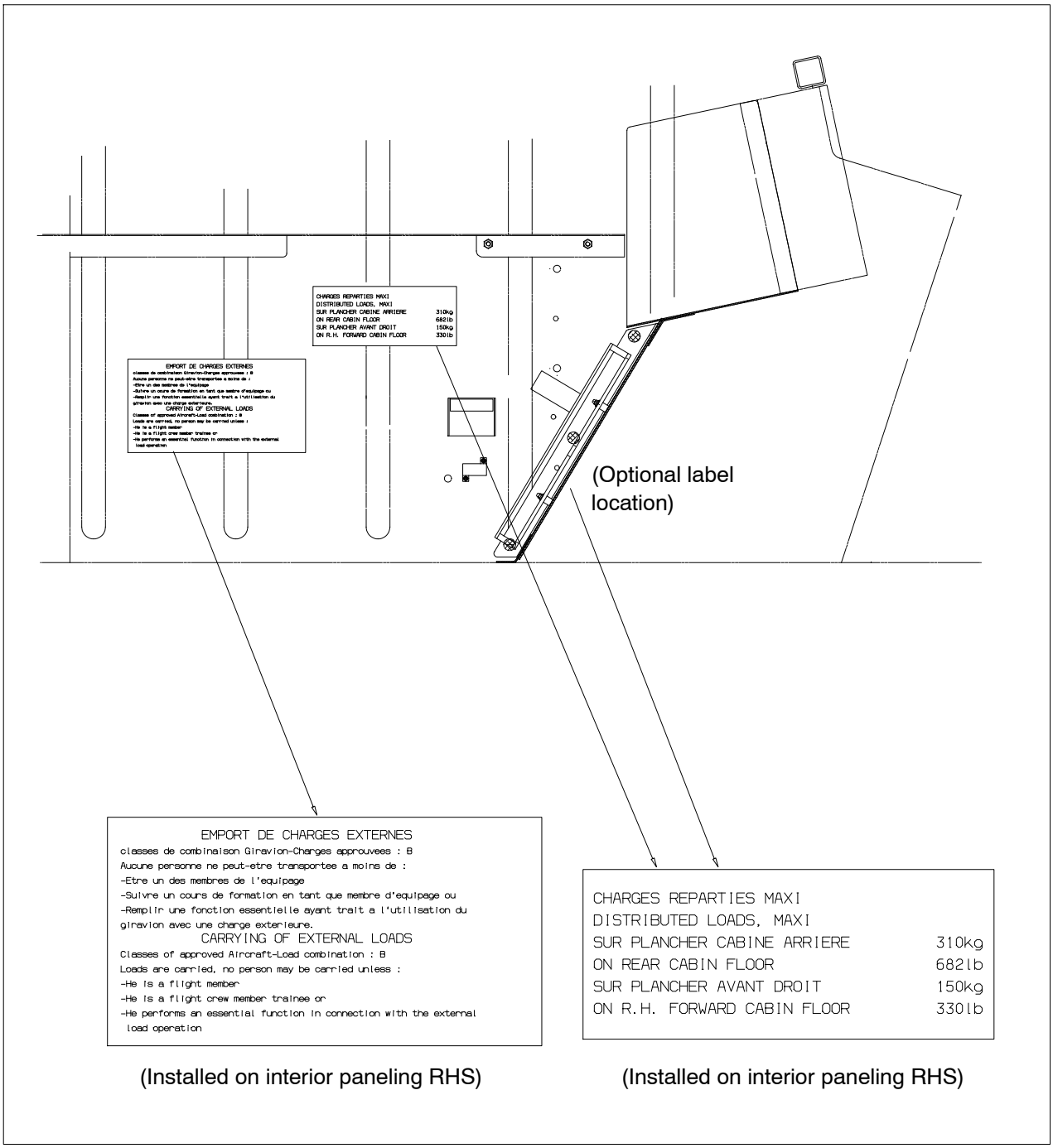
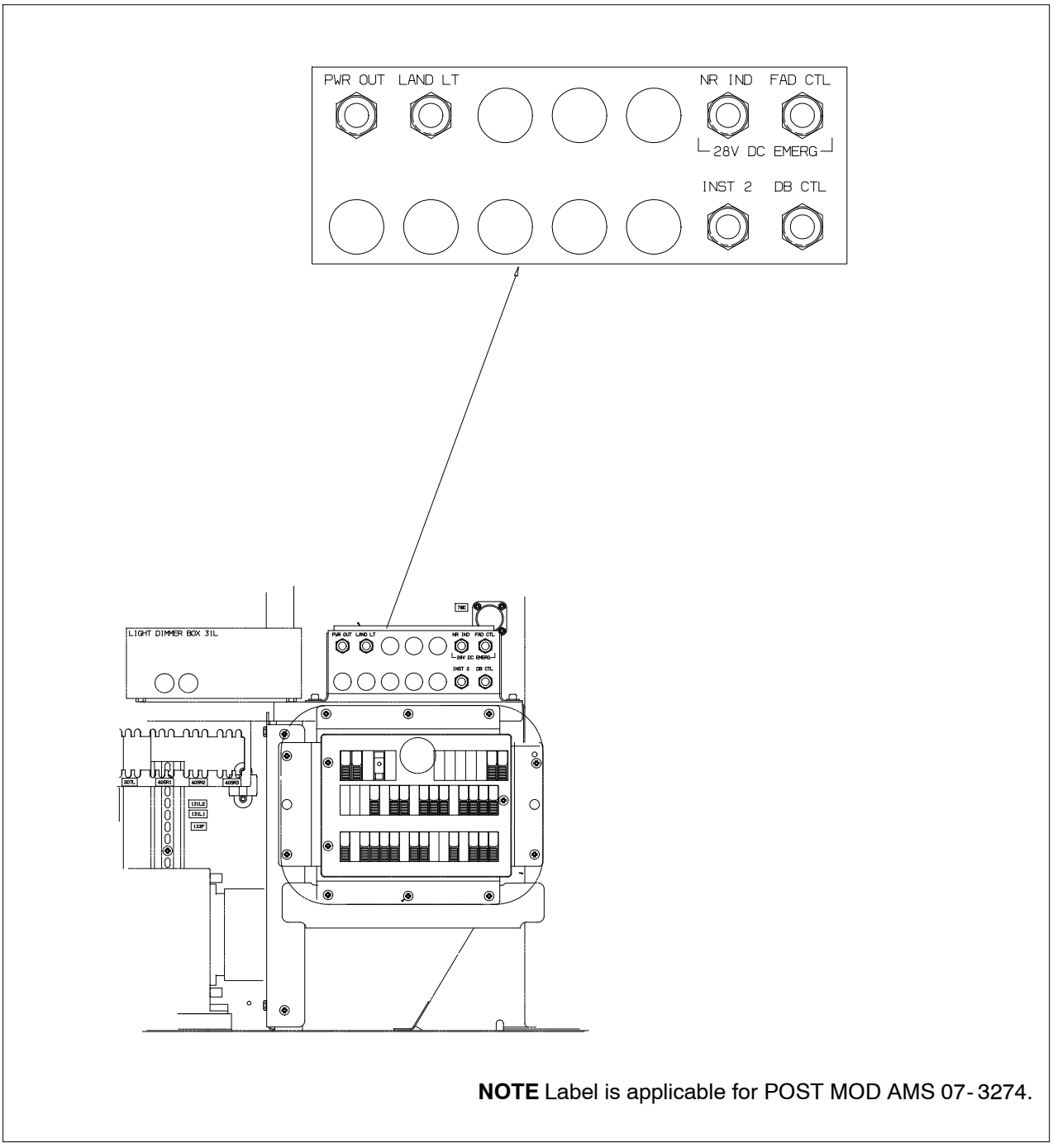


Figure 45 Identification label location in nosebay

Transport Canada - Accepted

Export Control Classification Marking: 9E991

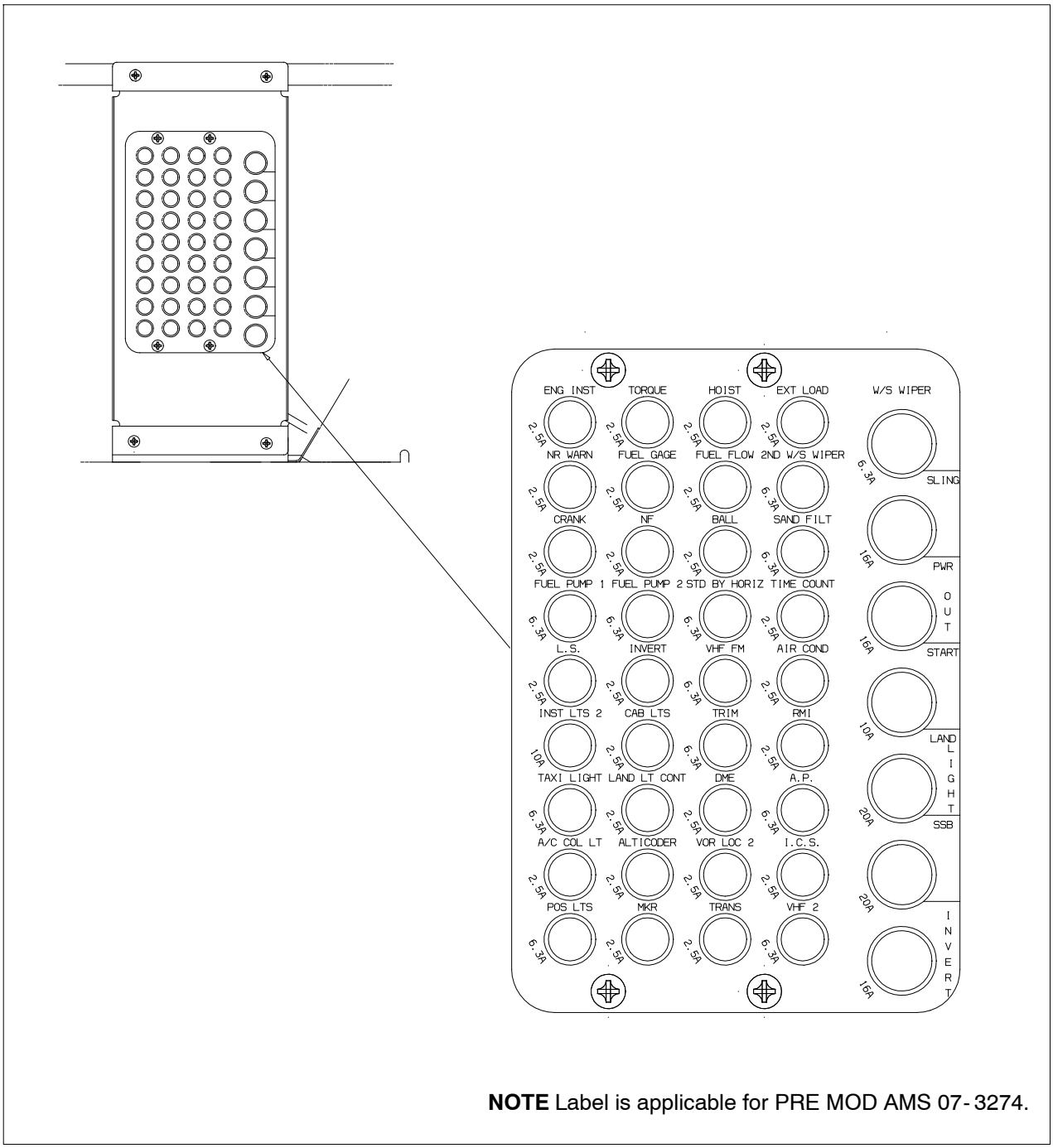
10. **PLACARDS AND MARKINGS** (continued)



NOTE Label is applicable for POST MOD AMS 07-3274.

Figure 46 Identification label location in nosebay (AS 350 BA & B2)

10. **PLACARDS AND MARKINGS** (continued)



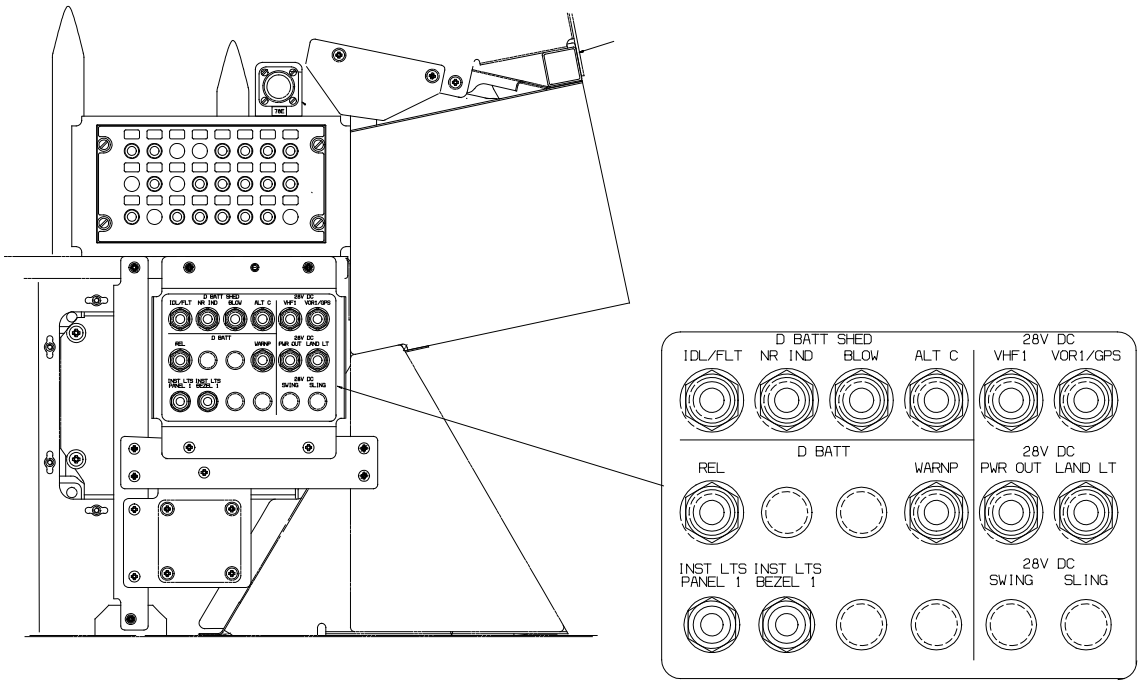
NOTE Label is applicable for PRE MOD AMS 07-3274.

Figure 47 Identification label location in nosebay (AS 350 BA & B2)

Transport Canada - Accepted

Export Control Classification Marking: 9E991

10. **PLACARDS AND MARKINGS** (continued)



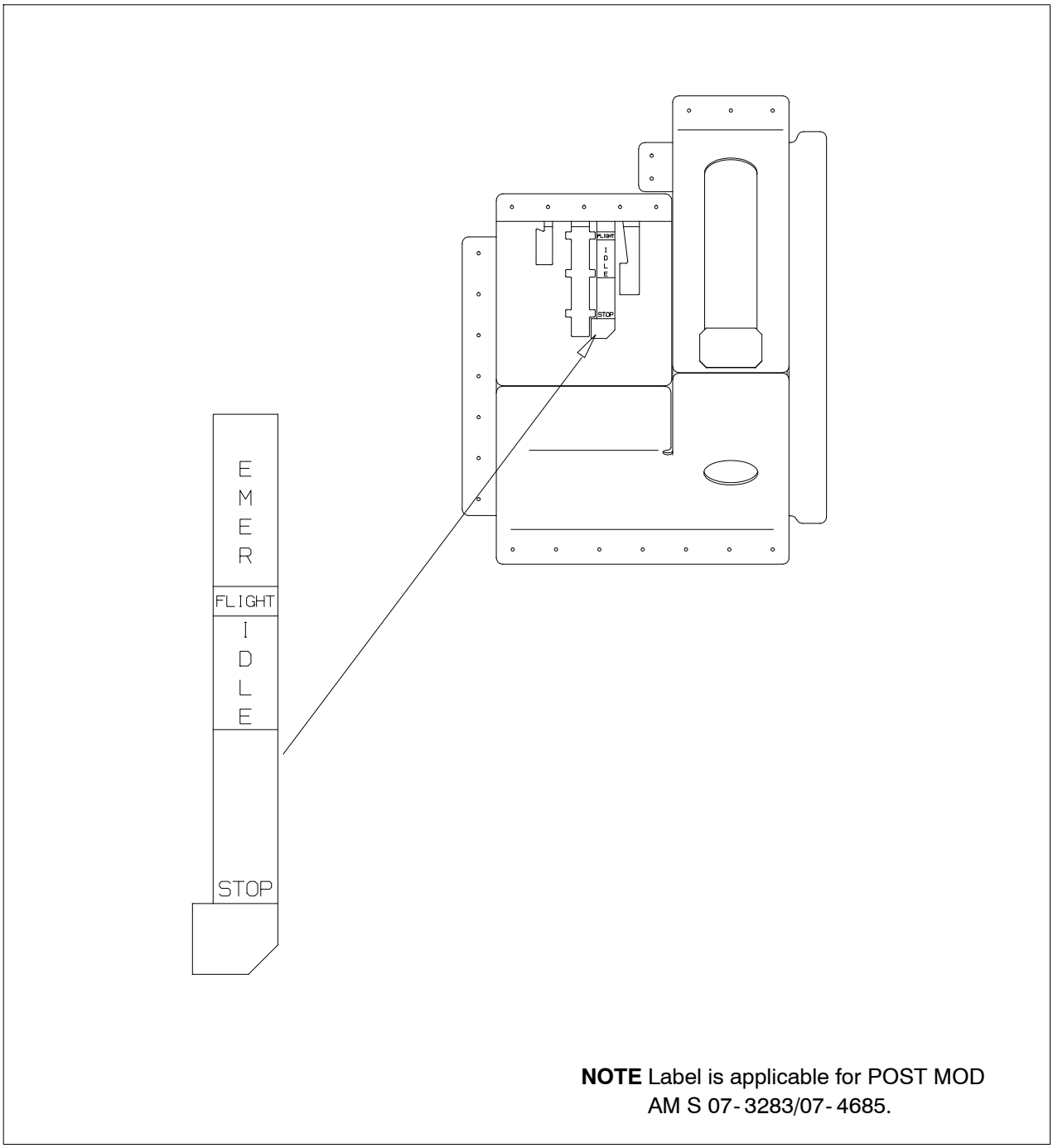
NOTE Label is applicable for POST MOD AMS 07-4280.

Figure 48 Identification label location in nosebay (AS 350 B3)

Transport Canada - Accepted

Export Control Classification Marking: 9E991

10. **PLACARDS AND MARKINGS** (continued)



NOTE Label is applicable for POST MOD AM S 07-3283/07-4685.

Figure 49 Identification label on collective control quadrant (AS 350 B2)

10. **PLACARDS AND MARKINGS** (continued)

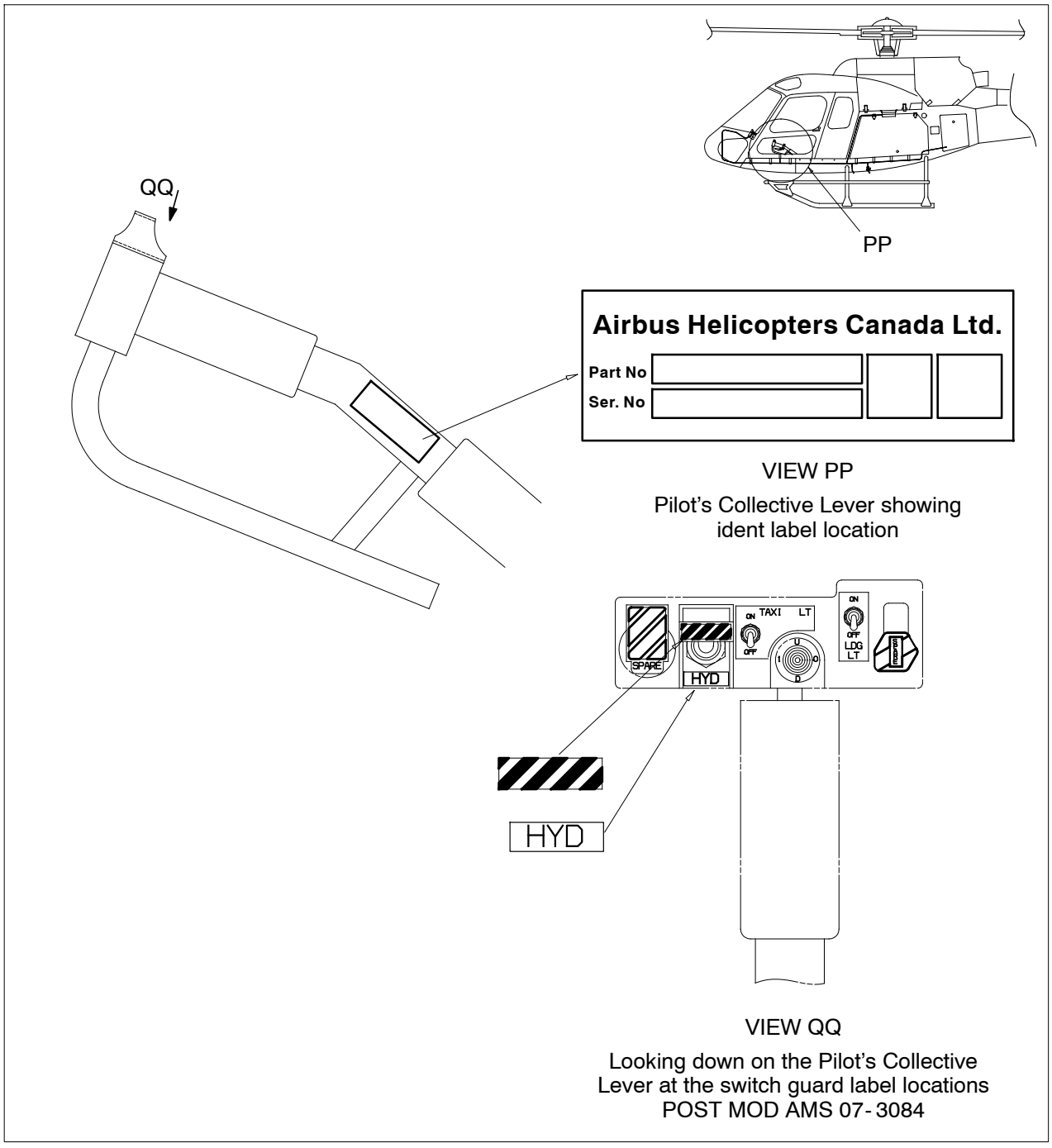


Figure 50 Identification label on collective control quadrant (AS 350 B2)