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.

	NAME AND SIGNATURE	DATE	COMPANY DEPARTMENT
PREPARED BY:	D. Kerr D.Kerr	10 Sept., 2013	ECL ENGINEERING
PREPARED BY:			
CHECKED BY:	C. Timmins C. Timmins	17th Sept 2013	ECL ENGINEERING
CHECKED BY:	M. Merritt M Merritt	2013-09-11	ECL QUALITY ASSURANCE
APP'D / ACCEPTED (Civil A/W Authority)	(As per ICA Compliance Check Sheet)		TCCA
RELEASED BY:	P. Sharpe	25 Oct 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 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

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.

Transport Canada - Accepted

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)
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)	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.

Transport Canada - Accepted

CONTENTS

FIGURES

Transport Canada - Accepted

FIGURES

TABLES

Transport Canada - Accepted

This page was left blank intentionally.

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 07-3283/ 07-4685	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

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

For English translation of AMS 07-3274 refer to Eurocopter 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.

This revision introduces the AS 350 B2 POST MOD AMS 07-3283/07-4685, which adds an idle stop to the throttle quadrant.

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)

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 LHS seat. Refer to Figure 21.

For additional information on all Instrument Panel MOD's, refer to Figures 2 to 5.
For additional information of the Center Console MOD's, refer to Figures 5 and 7.

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

Transport Canada - Accepted

1. **GENERAL** (continued)

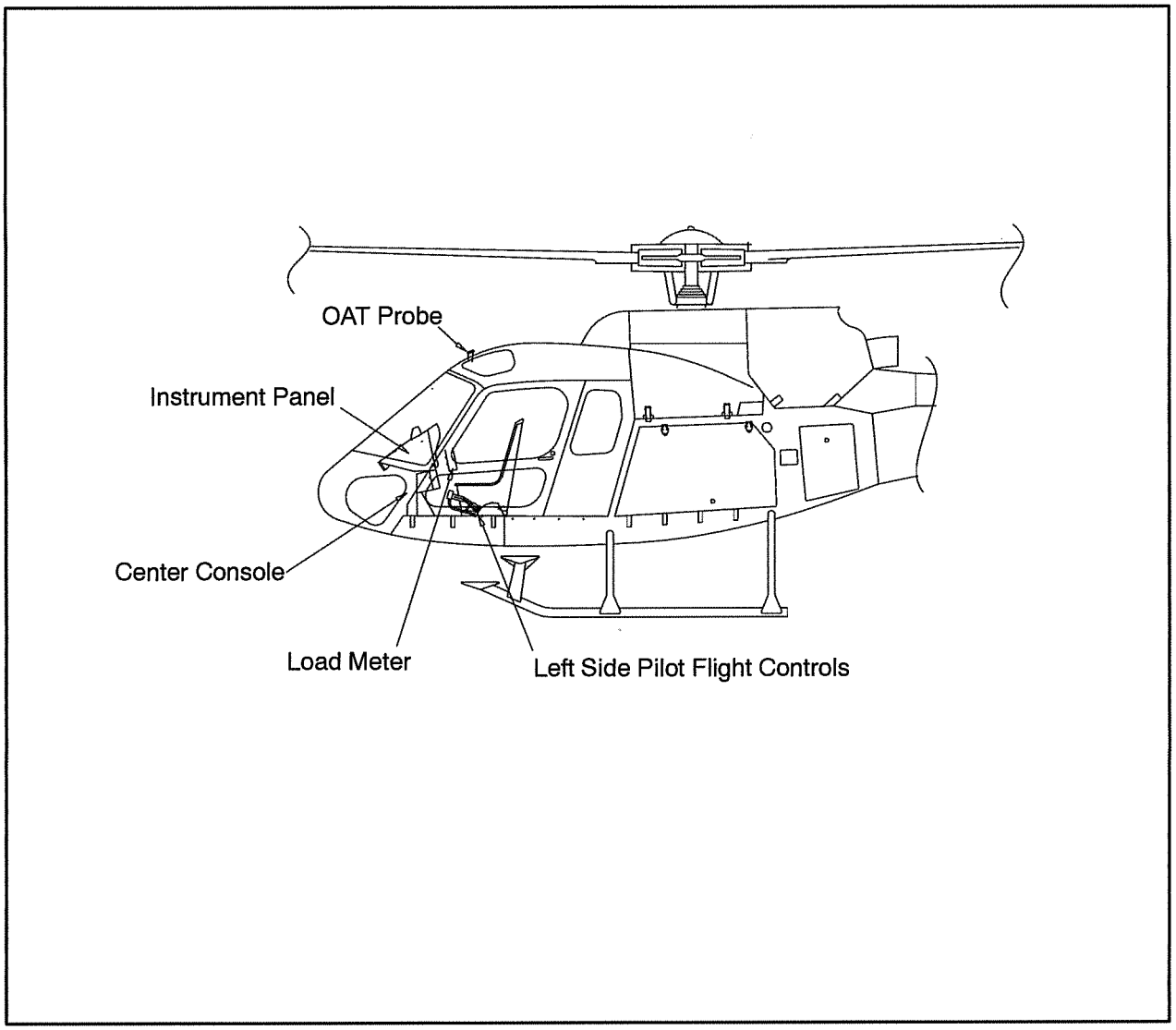
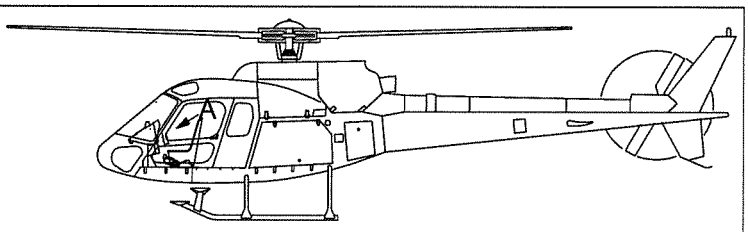


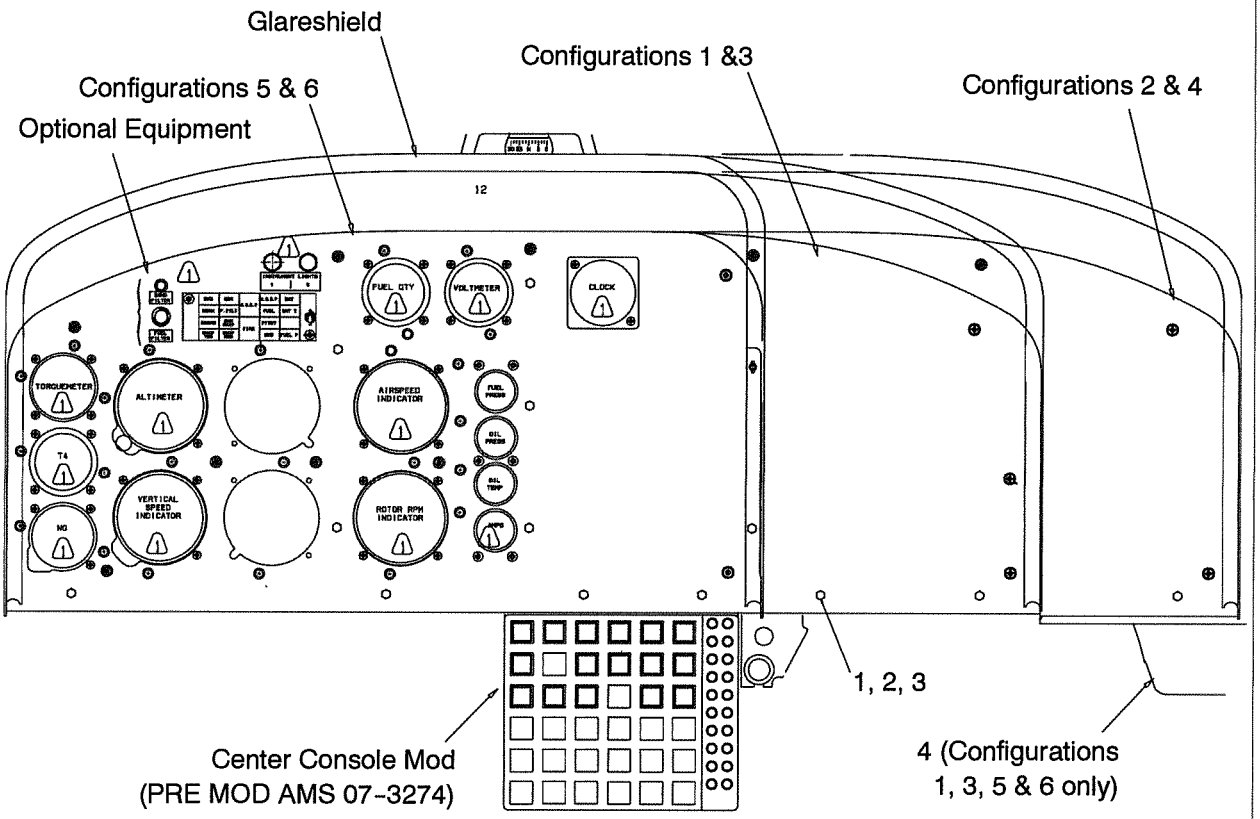
Figure 1 General Layout



Legend (for Figure 2)

Item Description

1. Screw
2. Washer
3. Nut
4. Storage Shelf



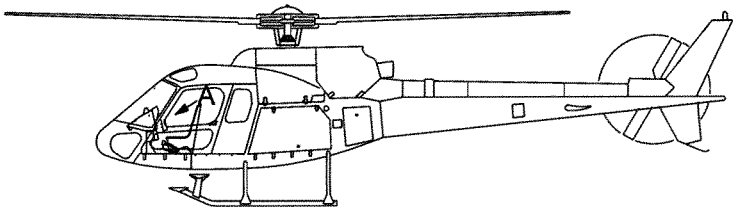
Configuration 1 For standard panel of AS 350 B2
Configuration 2 For extended panel on AS 350 B2
Configuration 3 For standard panel on AS 350 BA
Configuration 4 For extended panel on AS 350 BA
Configuration 5 For tour panel on AS 350 B2
Configuration 6 For tour panel on AS 350 BA

⚠ Existing standard instruments and mounting hardware used.

NOTES

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

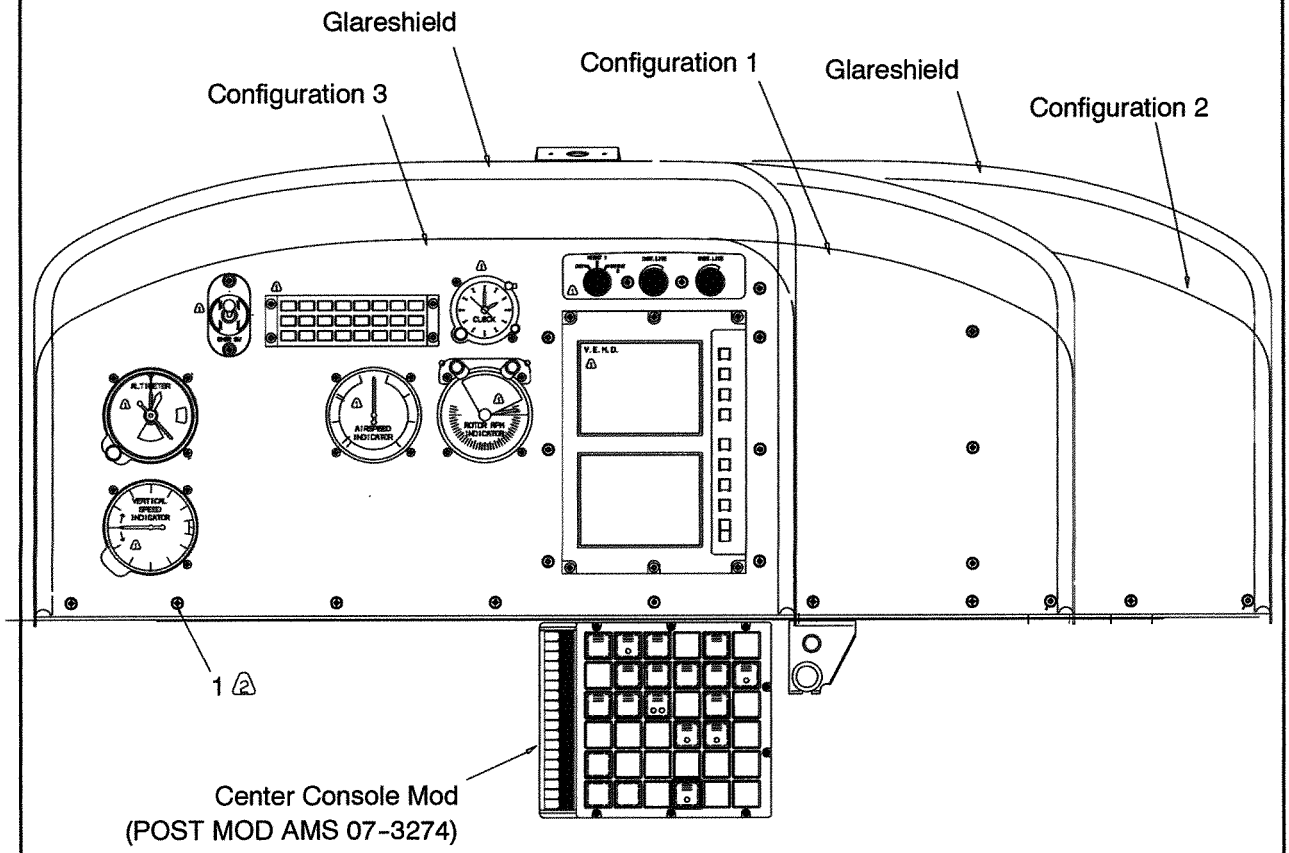
Transport Canada - Accepted



Legend (for Figure 3)

Item Description

1. Screw
2. Electrical Joint Compound (P/N Penetrox A13)



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

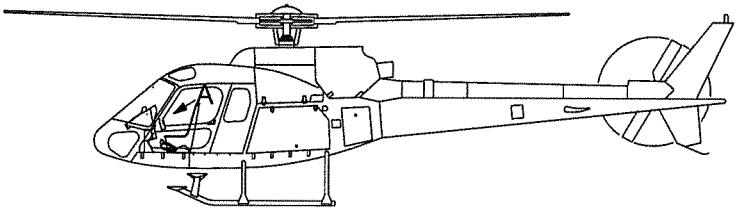
② Contact between mating surfaces to be kept free from protective coating. Before installation, apply electrical joint compound (2).

① Existing standard instruments and mounting hardware used.

NOTES

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

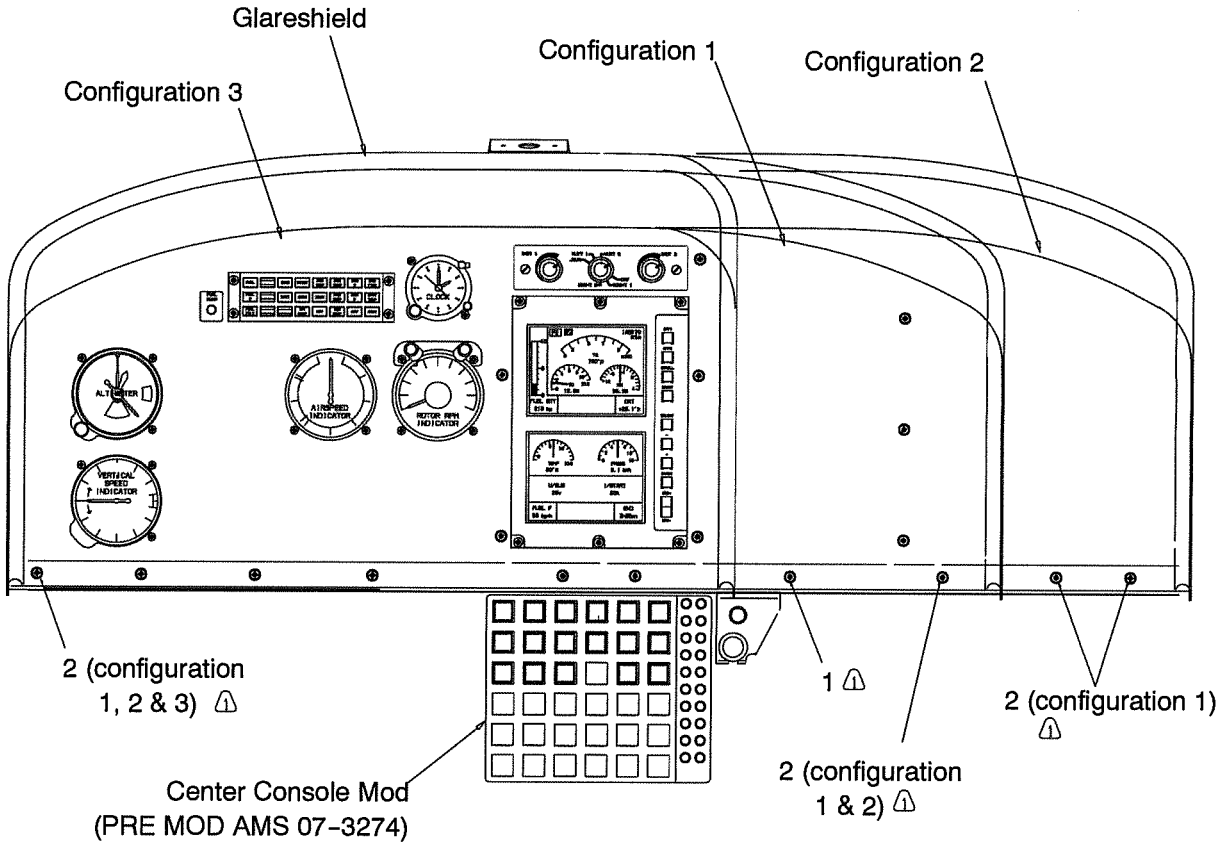
Transport Canada - Accepted



Legend (for Figure 4)

Item Description

1. Screw
2. Nut
3. Electrical Joint Compound (P/N Penetrox A13)



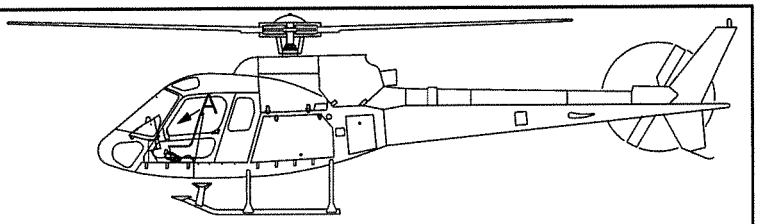
Configuration 1 For standard panel of AS 350 B3
Configuration 2 For extended panel on AS 350 B3
Configuration 3 For tour panel on AS 350 B3

⚠ Contact between mating surfaces to be kept free from protective coating. Before installation, apply electrical joint compound (3). Existing standard instruments and mounting hardware used.

NOTES

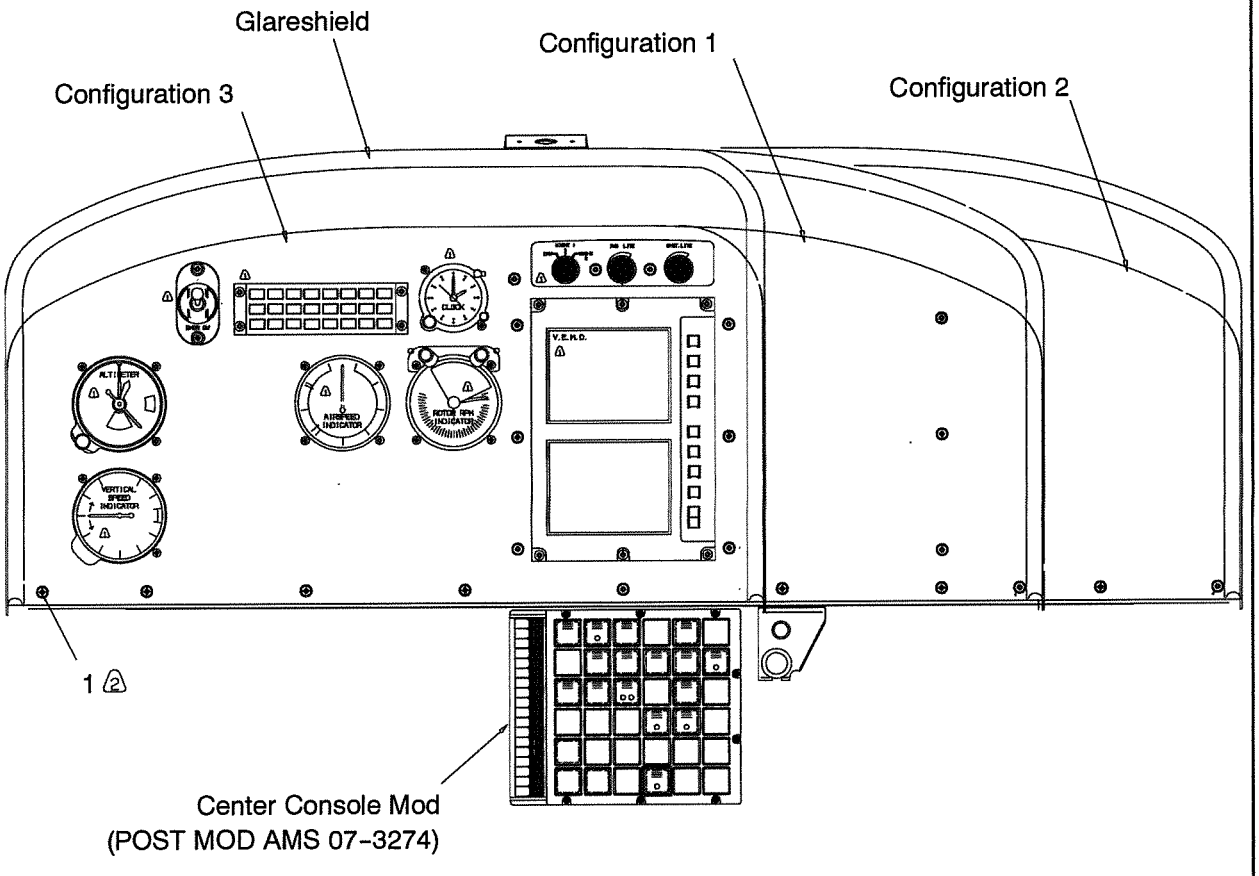
Figure 4 Instrument Panel MOD, PRE MOD AMS 07-3274 (AS 350 B3)

Transport Canada - Accepted



Legend (for Figure 5)

Item	Description
1.	Screw
2.	Electrical Joint Compound (P/N Penetrox A13)



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

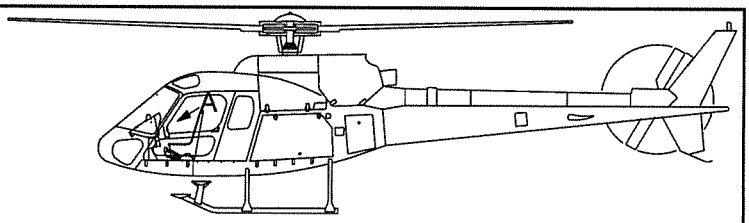
⚠2 Contact between mating surfaces to be kept free from protective coating. Before installation, apply electrical joint compound (2).

⚠1 Existing standard instruments and mounting hardware used.

NOTES

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

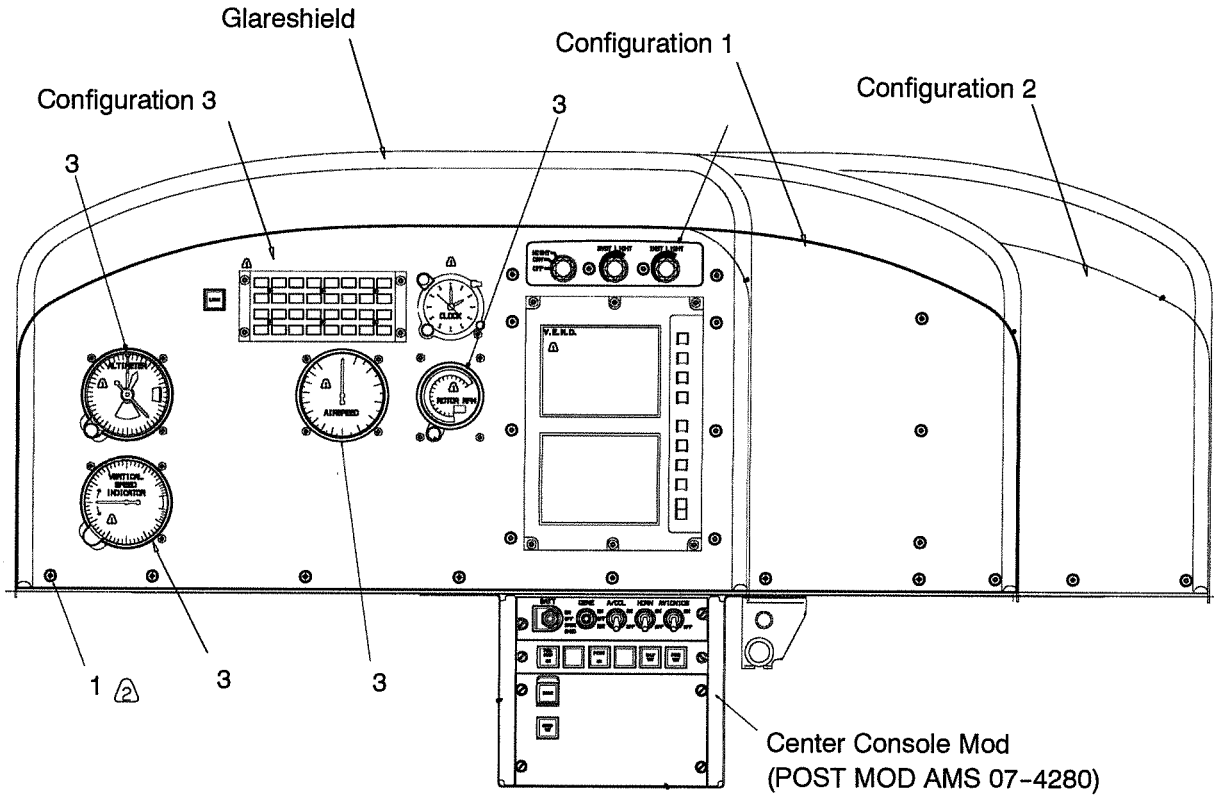
Transport Canada - Accepted



Legend (for Figure 6)

Item Description

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



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)

Transport Canada - Accepted

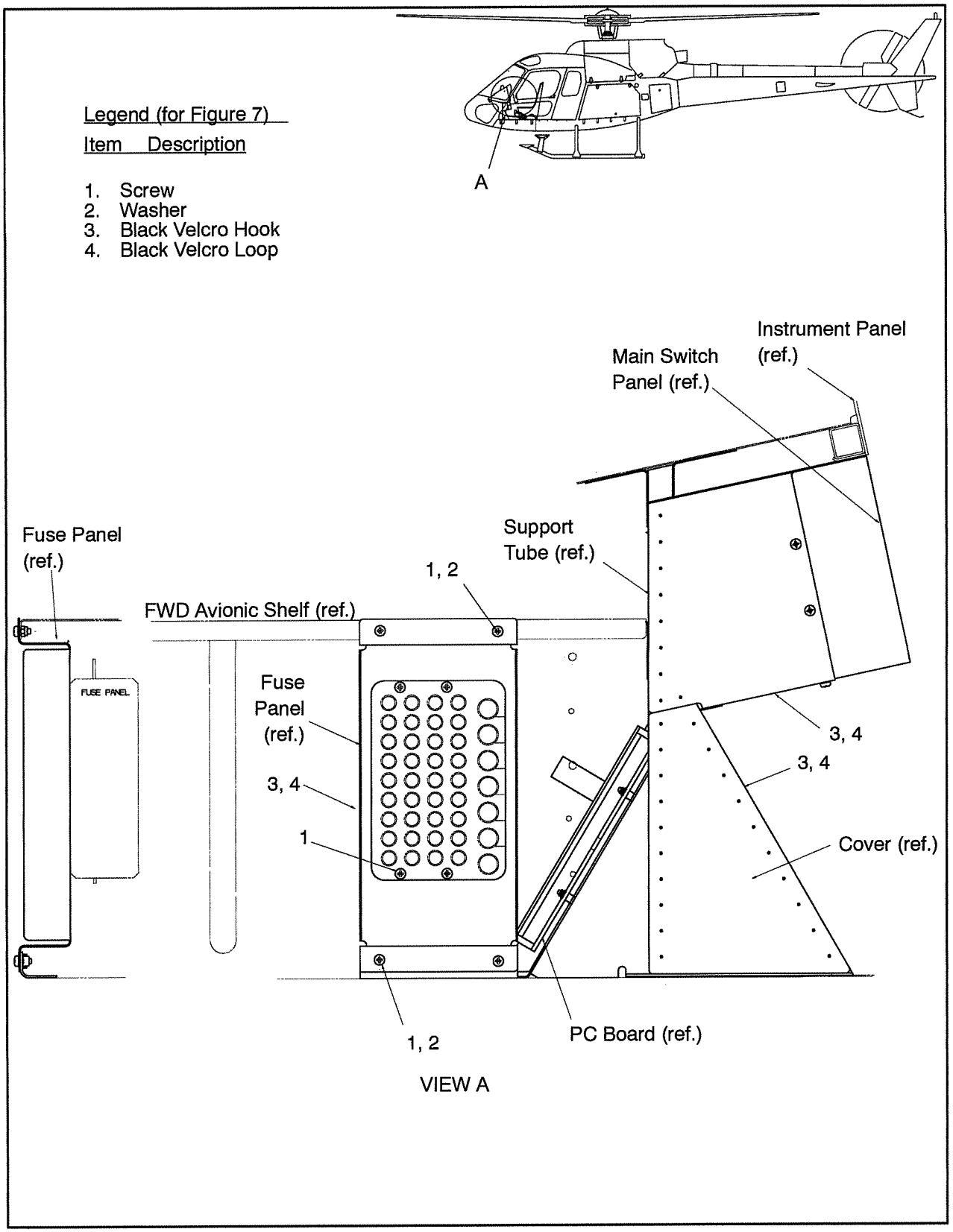
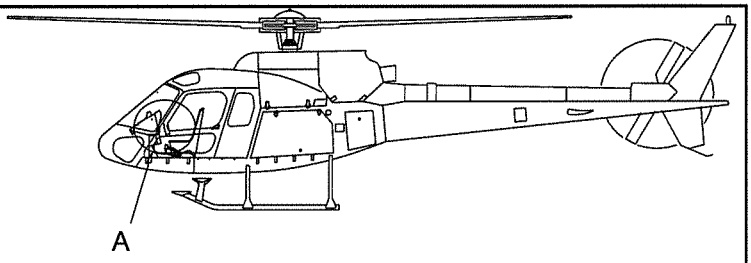


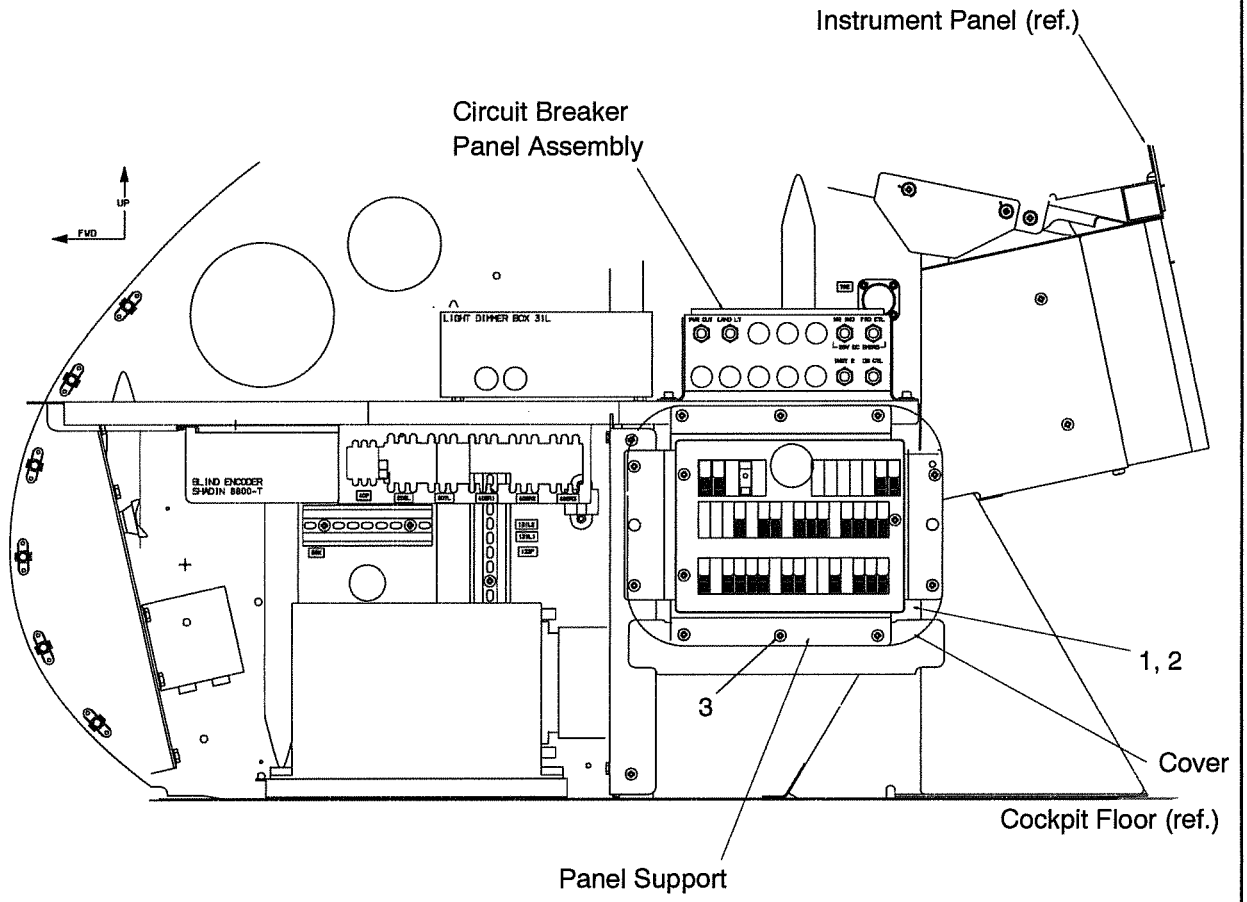
Figure 7 LHS Center Console Modification, PRE MOD AMS 07-3274 (AS 350 BA, B2/B3)

Transport Canada - Accepted



Legend (for Figure 8)

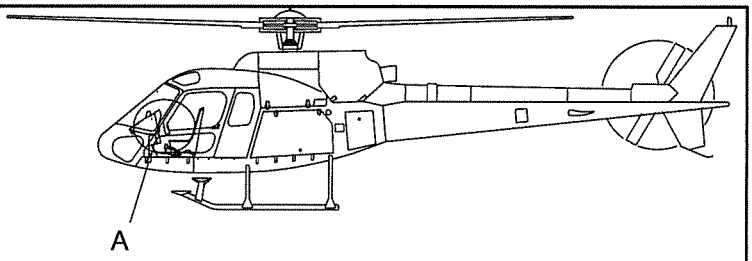
Item	Description
1.	Velcro Hook
2.	Velcro Loop
3.	Screw



VIEW A

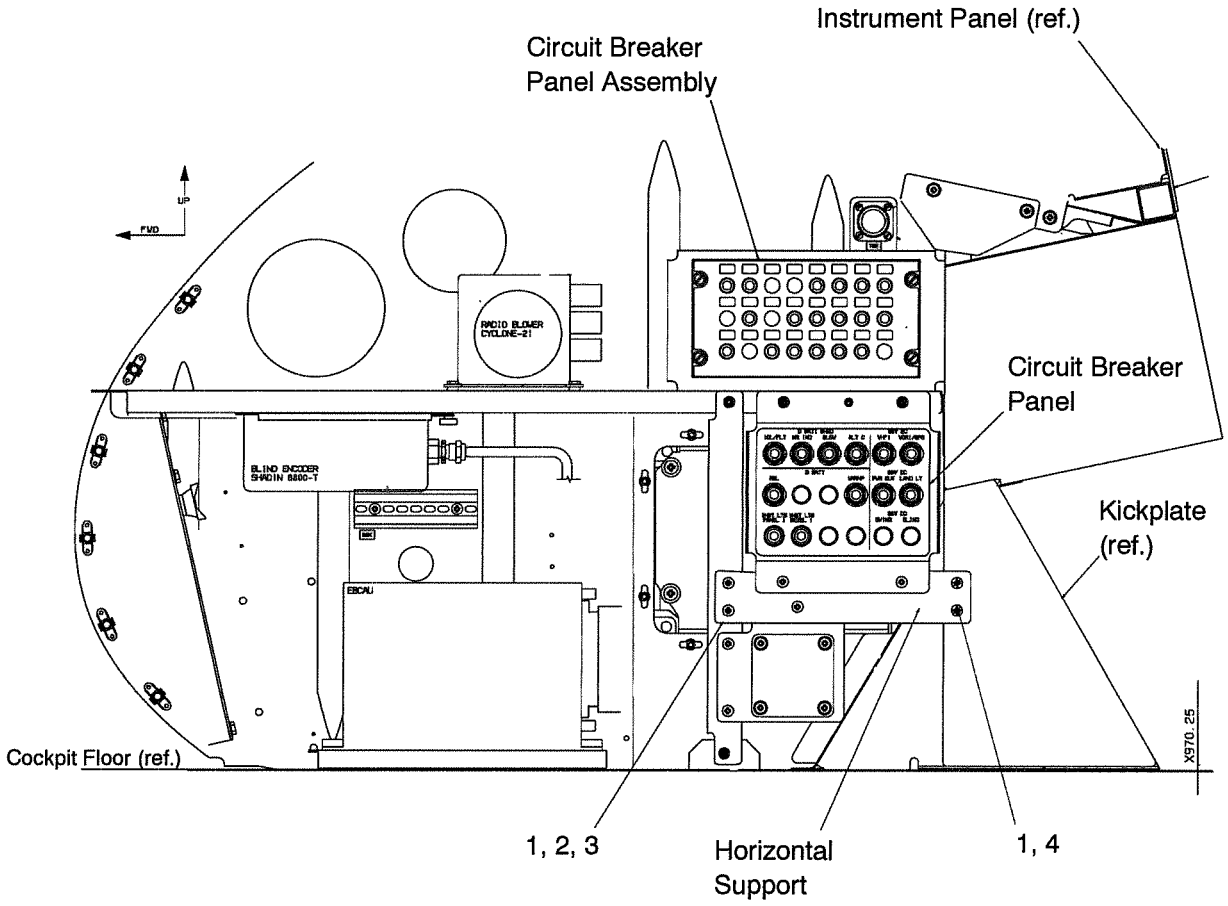
Figure 8 LHS Center Console Modification, POST MOD AMS 07-3274 (AS 350 B2/B3)

Transport Canada - Accepted



Legend (for Figure 9)

Item	Description
1.	Screws
2.	Washers
3.	Nuts
4.	Rivnuts



VIEW A

Figure 9 LHS Center Console Modification, POST MOD AMS 07-4280 (AS 350 B3)

Transport Canada - Accepted

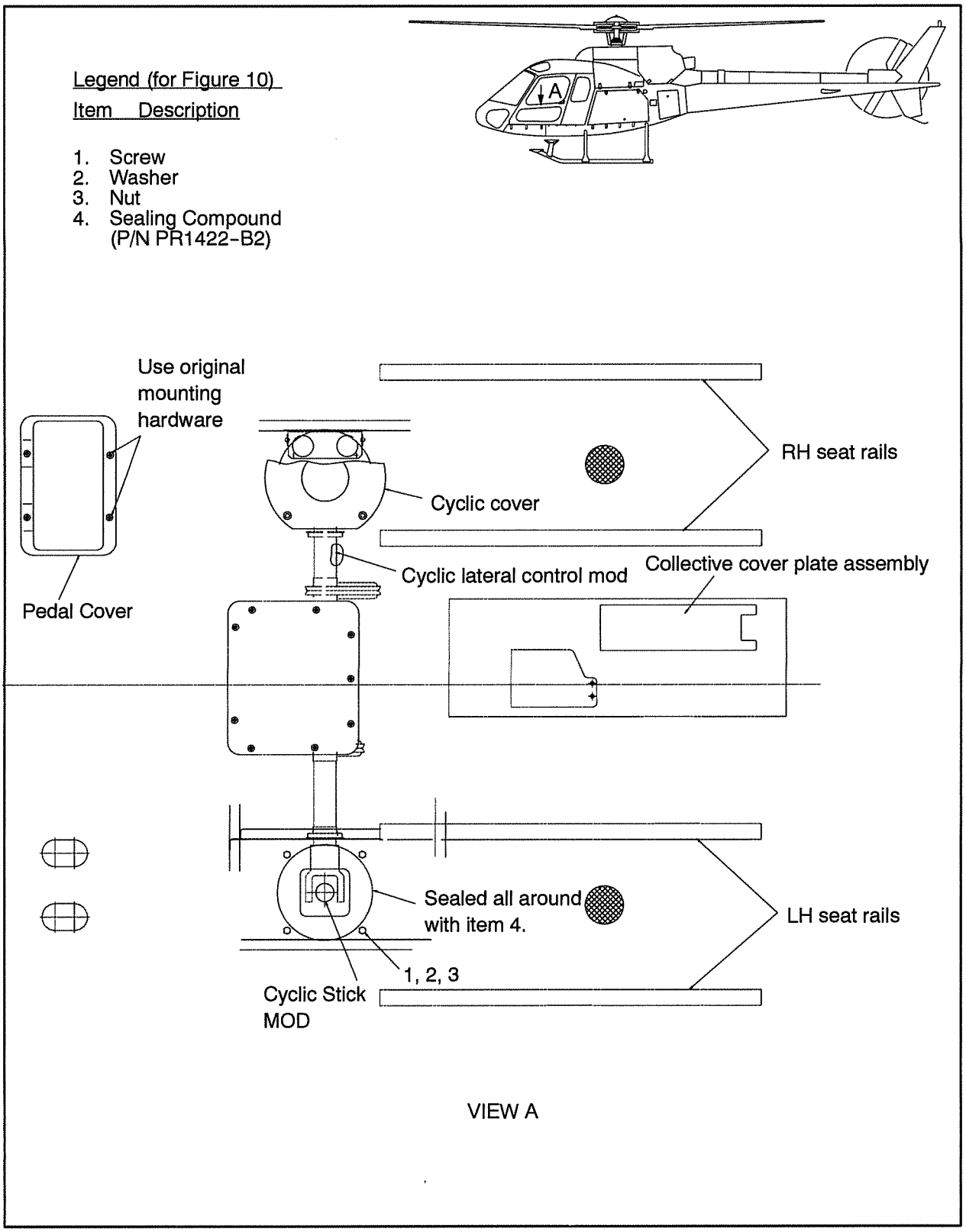


Figure 10 LHS Flight Control Installation, PRE & POST MOD AMS 07-3274 (AS 350 B3)

Transport Canada - Accepted

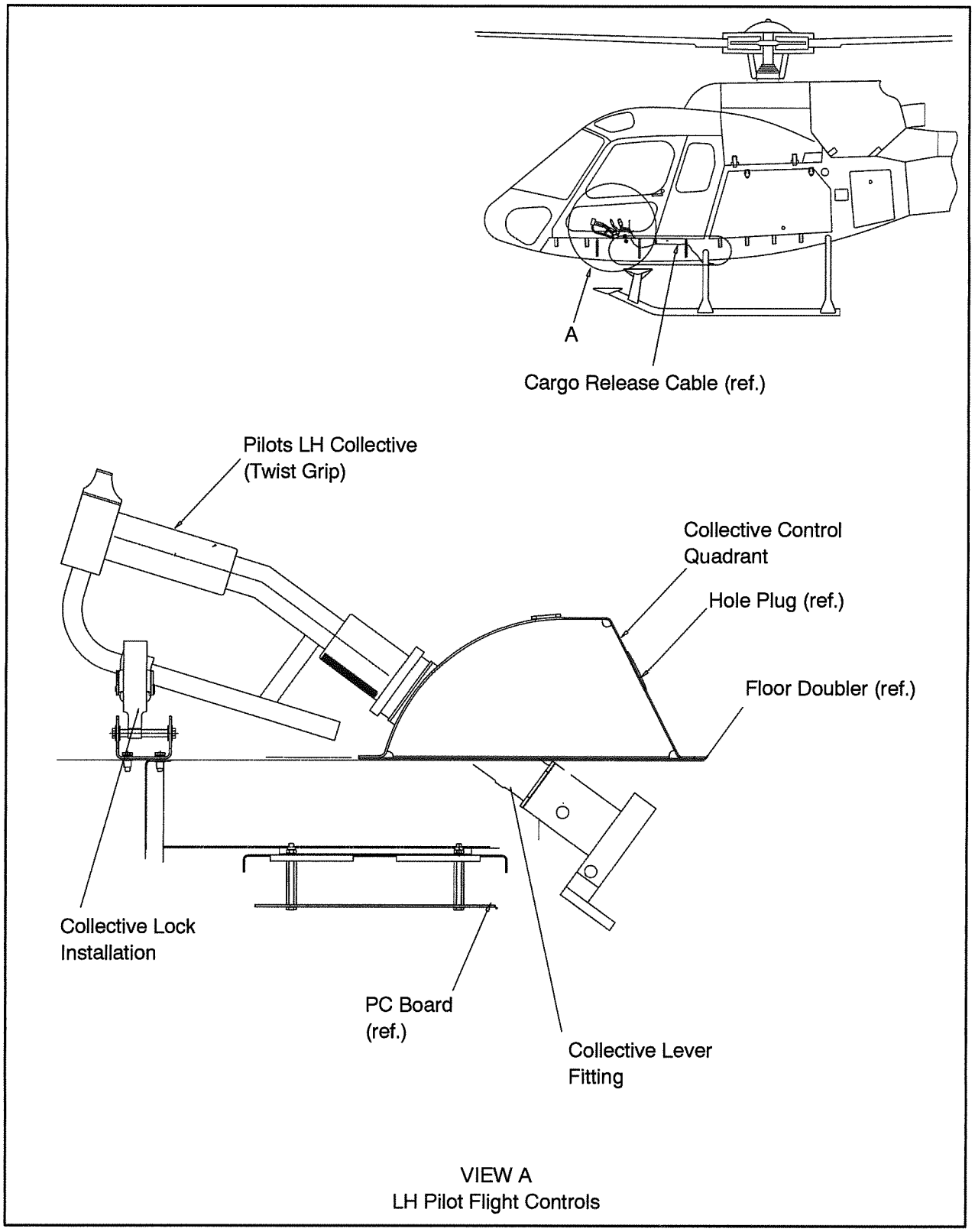
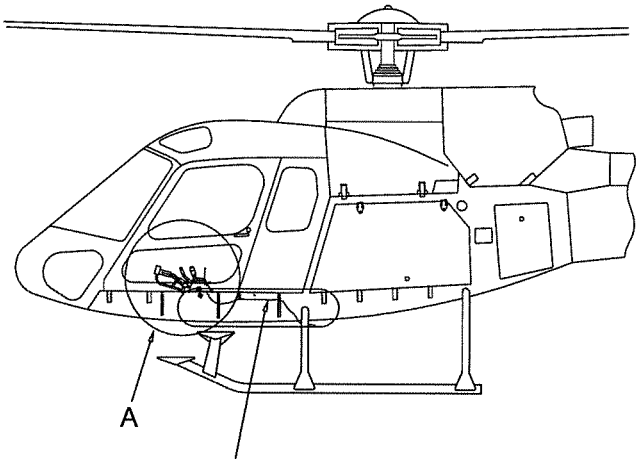


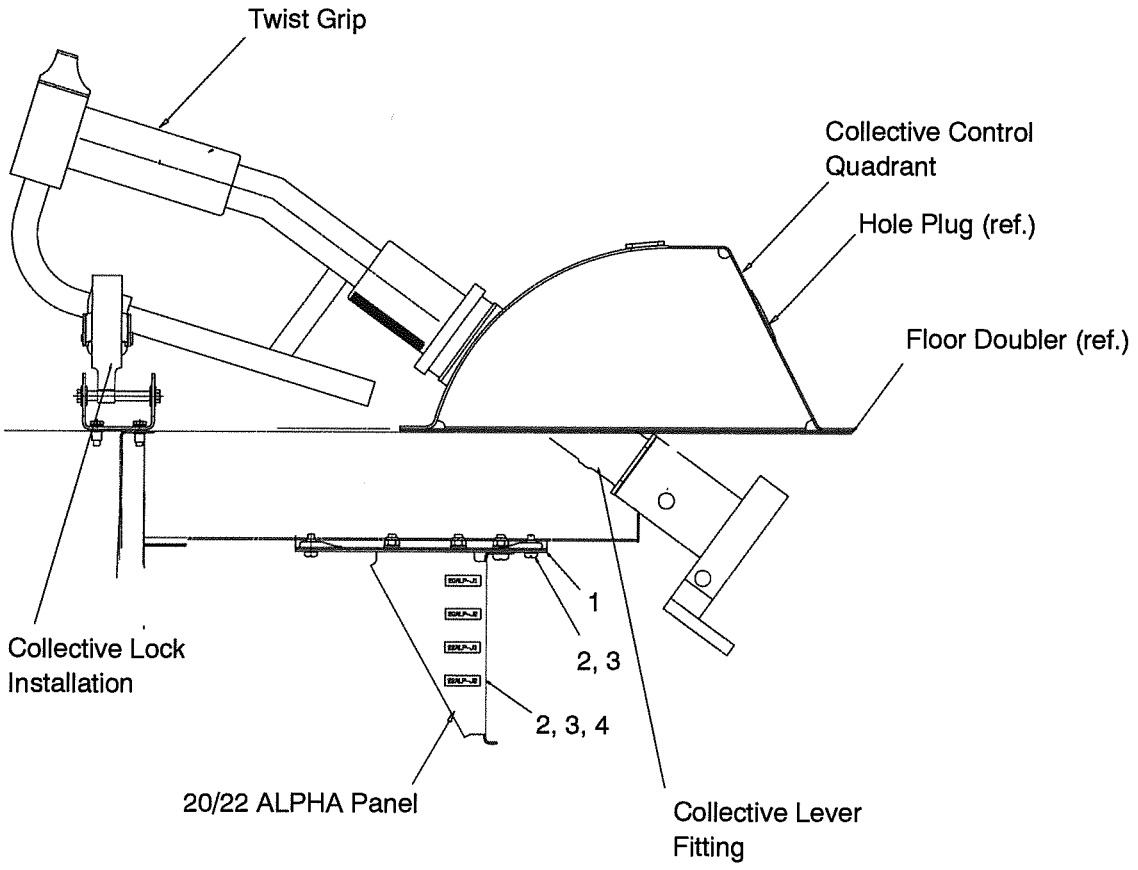
Figure 11 LHS Flight Control Installation, PRE & POST MOD AMS 07-3274 (AS 350 B3)

Transport Canada - Accepted

Legend (for Figure 12)

Item	Description
1.	Support Plate
2.	Screw
3.	Washer
4.	Nut





VIEW A
LH Pilot Flight Controls

Figure 12 LHS Flight Control Installation, POST MOD AMS 07-3283/07-4685 & POST MOD AMS 07-4280 (AS 350 B2/B3)

Transport Canada - Accepted

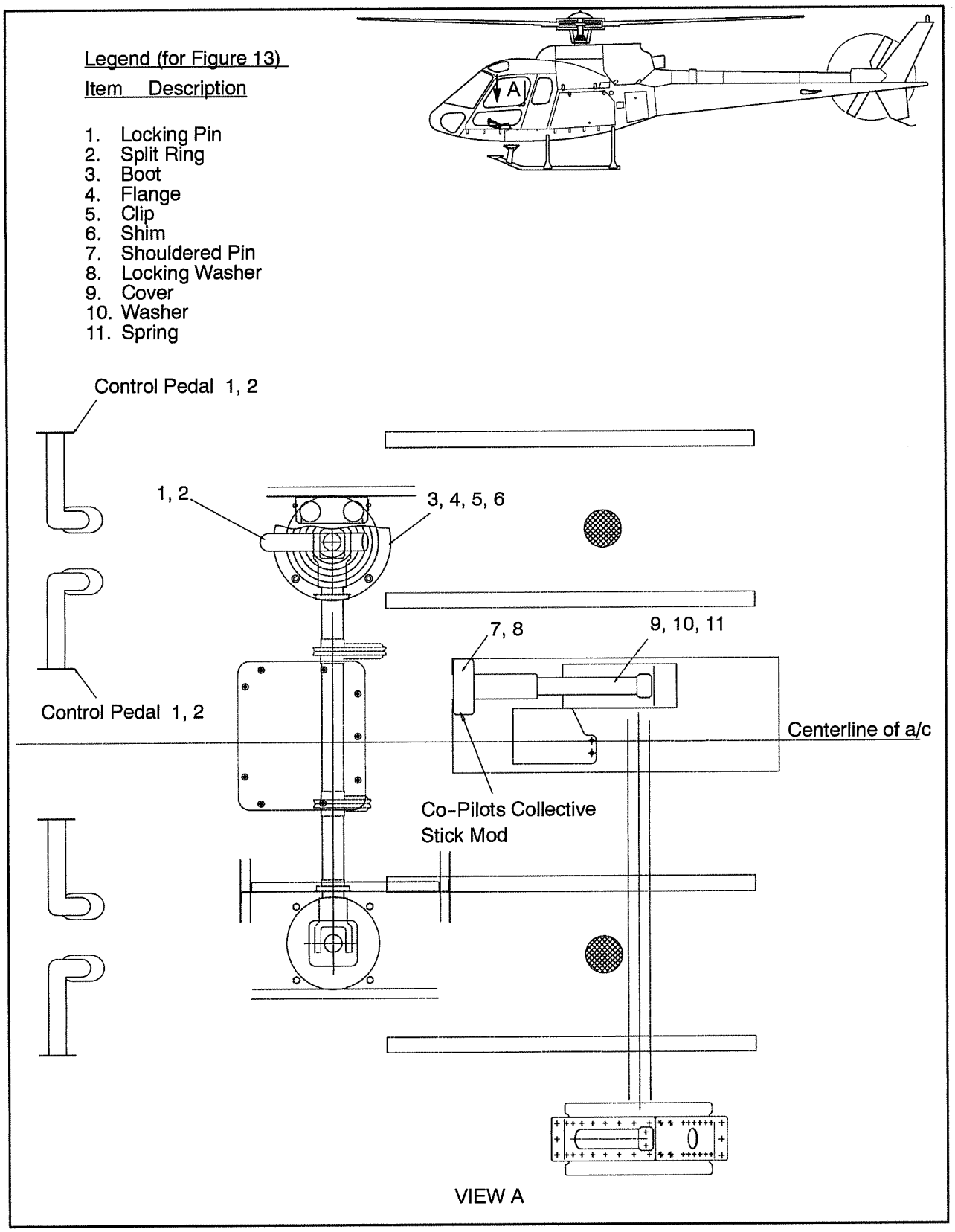
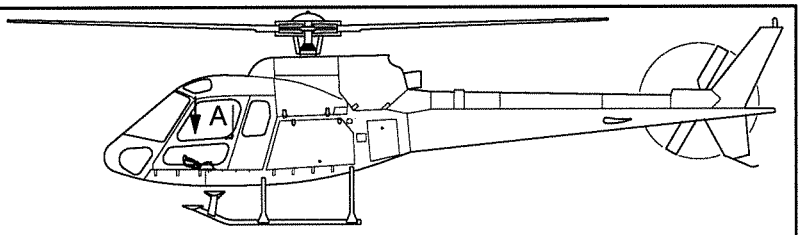


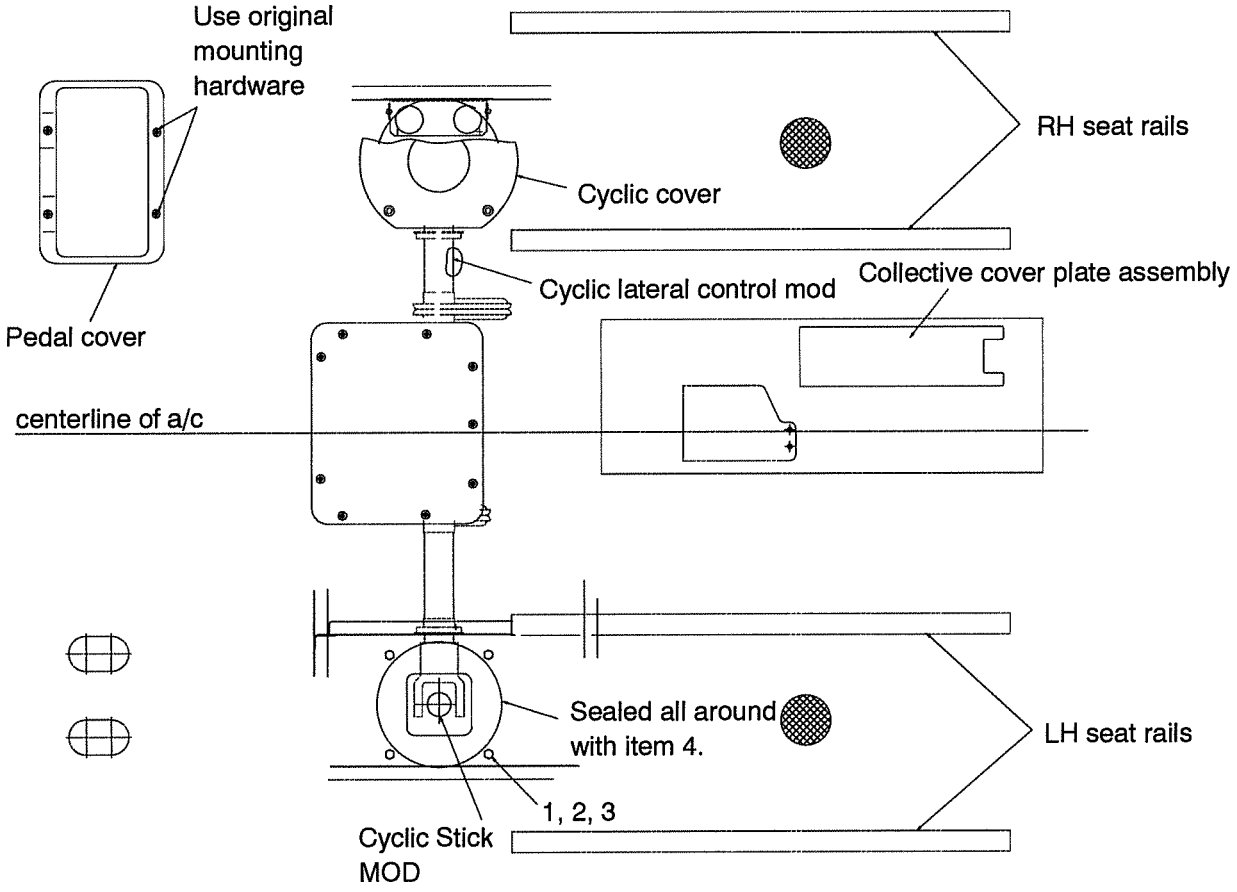
Figure 13 Dual Controls PRE & POST MOD AMS 07-3274 (AS 350 B3)

Transport Canada - Accepted



Legend (for Figure 14)

Item	Description
1.	Screw
2.	Washer
3.	Nut
4.	Sealing Compound (P/N PR1422-B2)



VIEW A

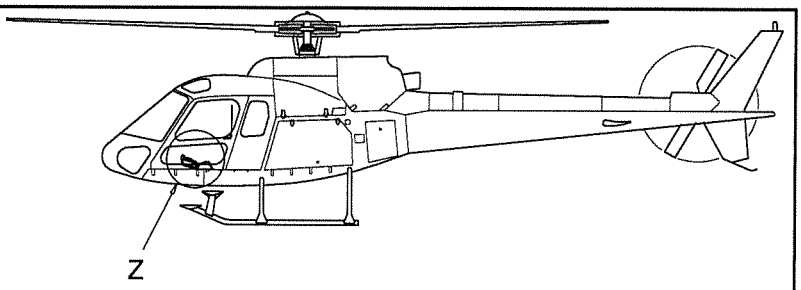
Figure 14 Flight Controls LH Pilot (AS 350 BA & B2)

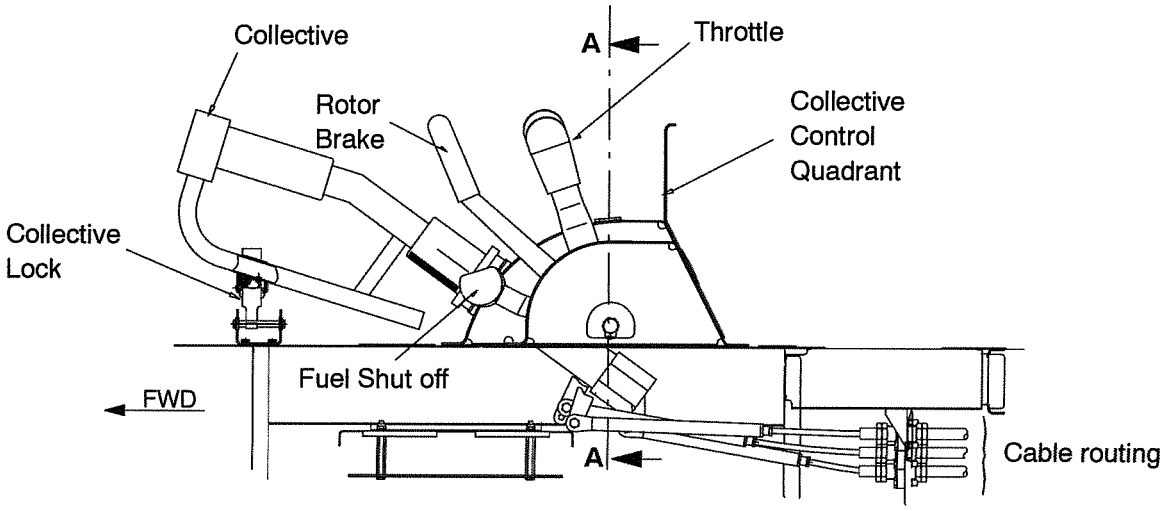
Transport Canada - Accepted

Legend (for Figure 15)

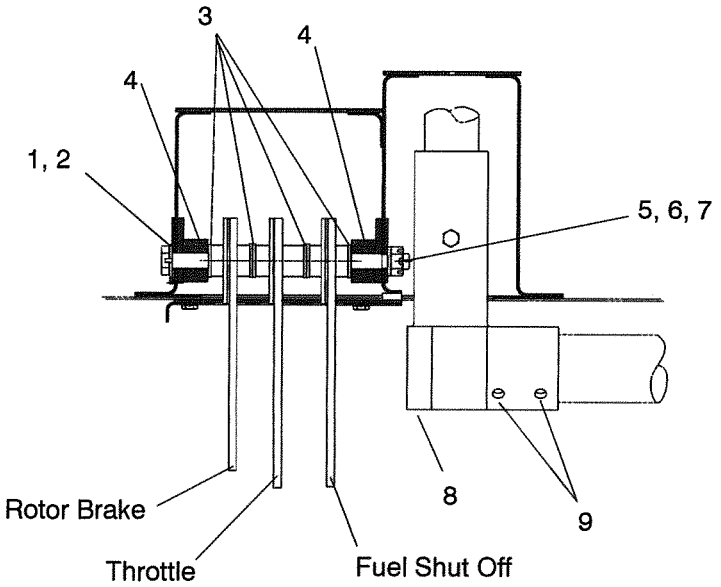
Item Description

1. Screw
2. Tab Washer
3. Shim
4. Spacer
5. Washer
6. Nut
7. Cotter Pin
8. Collective Lever Fitting
9. Spring Pin





VIEW Z



SECTION A - A

Figure 15 Flight Controls LH Pilot (AS 350 BA & B2) (continued)

Transport Canada - Accepted

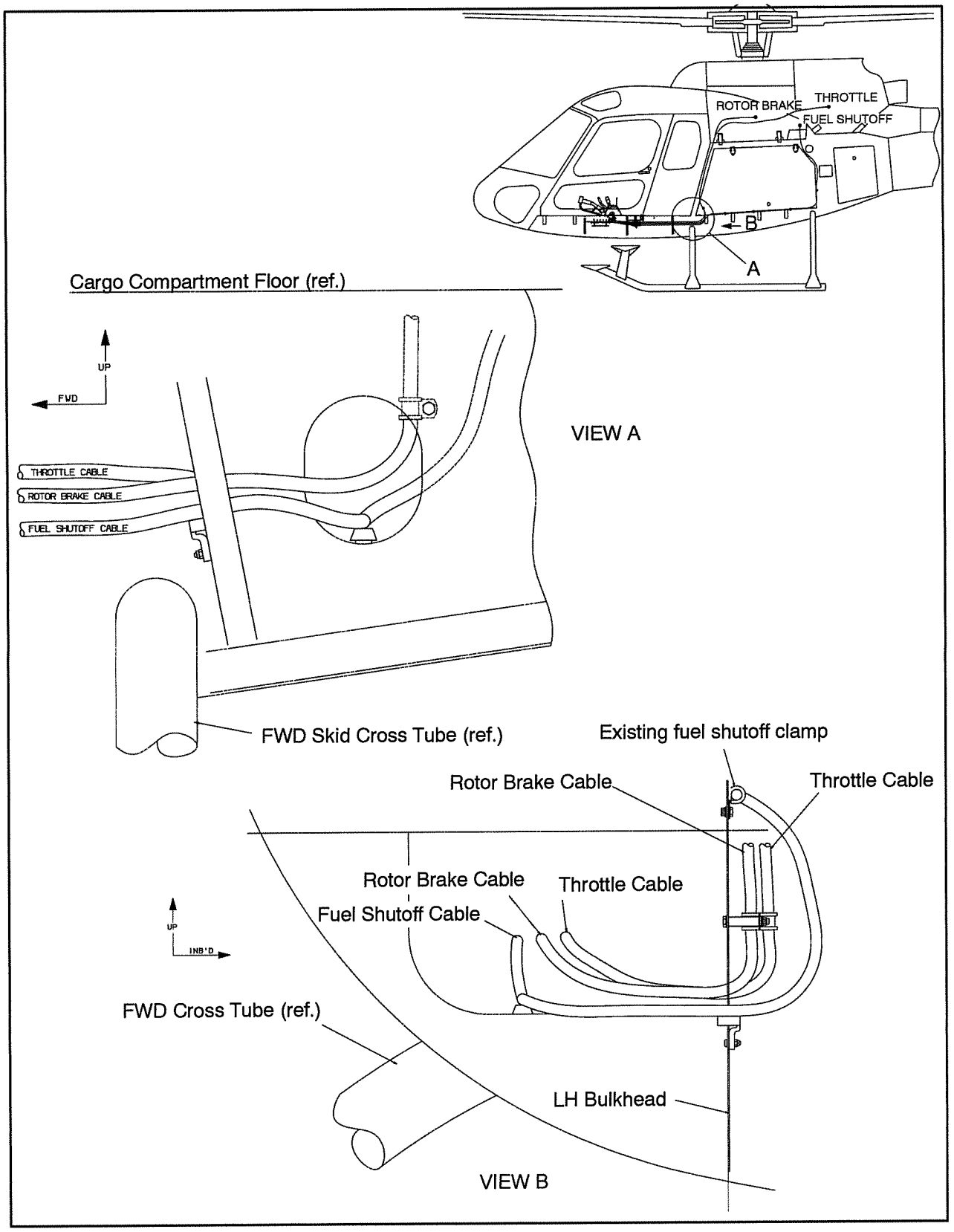


Figure 16 Cable Routing (AS 350 BA & B2)

Transport Canada - Accepted

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
MTC	Standard Practices Manual
MET	Maintenance Manual
SB-ECL-122	Service Bulletin - Left Side Pilot Configuration

D. ABBREVIATIONS & DEFINITIONS

ABBREVIATION	DEFINITION
a/c	aircraft
D	Days
EC	Eurocopter (France)
ECL	Eurocopter Canada Limited
FH	Flight Hours
FWD	Forward
hrs	hours
LHS	Left Hand Side
M	Months
MOD	Modification
No.	Number
OAT	Outside Air Temperature
P/N	Part Number
ref.	reference
RHS	Right Hand Side

E. UNITS OF MEASUREMENT

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

Transport Canada - Accepted

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.

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.

Eurocopter 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 4.1.1.O and 4.1.2.C 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/B2) 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 76.30.11.501 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 1.
D	- Check mounting hardware for the Instrument Panel in Figures 2, 3, 4 5 and 6 for: a. security	 a. Secure as required.
E	- Check mounting hardware, items 1 and 2, for the Fuse Panel, in Figure 7 for: a. security	 a. Secure as required.

Table 1 Inspection Schedule and Maintenance Action
Every 150 FH or 12 M 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
F	- Visually inspect velcro hook and loop, items 1 and 2, on support panel in Figure 8, and interior paneling in Figure 9 for:	
	a. wear (tears, areas have become worn)	a. Wear is not permitted. If wear is evident, replace velcro in accordance with EC, MTC, Chapter 20.03.04.406.
	b. security	b. Secure as required.
H	- For standard maintenance of flight controls, in Figures 10, 13 and 14, 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.
I	- Visually inspect throttle lever, in Figure 15, for:	
	a. condition (in particularly where lever contacts edges of detent plate (for AS 350 BA / B2 only).	a. Repair as necessary.
J	- Visually inspect Collective lock device, in Figure 17 for:	
	a. condition	a. Repair as necessary.
	b. position/correct alignment	b. Correct alignment is illustrated in Figure 19.
	c. wear (on the lock assembly (1) and the threaded round standoff (2))	c. Wear is not permitted. If wear is evident, replace part.
K	- Check mounting hardware, item 1, for OAT Probe BA and B2, in Figure 20 for:	
	a. security	a. Secure as required.
L	- Check fire extinguisher installation attachment hardware, item 2, in Figure 21 for:	
	a. security	a. Re-tighten as required.
M	- Check mounting hardware for the Load Meter and/or Remote Caution Annunciator System (if installed), in Figure 22 for:	
	a. security	a. Secure as required.

Table 1 Inspection Schedule and Maintenance Action
Every 150 FH or 12 M 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
N	- Check mounting hardware, items 1, 2, and 3, for the remote caution junction box, in Figure 23 for:	
	a. security	a. Secure as required.
O	- Visually inspect the lower crossbeams of the yaw control bellcrank support on left hand and right hand sides, in Figure 24 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.
P	- Check placards and markings (refer to Section 10) for:	
	a. legibility	a. If placard has become illegible, contact Eurocopter Canada Limited for replacement part.
	b. secure mounting	b. Secure, reattach placards as required.

Table 1 Inspection Schedule and Maintenance Action
Every 150 FH or 12 M to coincide with the 150 FH or 12 M helicopter inspection, whichever occurs first

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

4.1.2. 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:

ITEM	INSPECTION OR MAINTENANCE WORK	CORRECTIVE ACTION
A	- Visually inspect lock assembly, item 1, in Figure 17 for: a. security	 a. Secure as required.
B	- Visually inspect lock assembly in Figure 17 for: a. position/correct alignment (as illustrated in Figure 19)	 a. Realign screws (items 6 and 12) and washers (item 11) shown in Figures 17, 18 and 19.
C	- Visually inspect the lower crossbeams of the yaw control bellcrank support on left hand and right hand sides, in Figure 24 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
Every 600 FH or 24 M, to coincide with the 600 FH or 24 M helicopter inspection, whichever occurs first

4.1.3 Special Instructions: Twist Grip Adjustments

For aircraft AS 350 (excluding B2/B3) refer to MET, Engine Control and the Twist Grip, Chapter 76.30.12.501, Sections 6.1 and 6.2.

Left side pilot (previously co-pilot)	Use Section 6.2
Right side co-pilot (previously pilot)	Use Section 6.1

For aircraft AS 350 B2, refer to AMM, Adjustment/Testing - Arriel Engine Control with Twist Grip (1D1), Chapter 76-12-01, 5-1, Adjustment/Testing - Starting Inhibit, Chapter 76-12-01, 5-2.

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

Transport Canada - Accepted

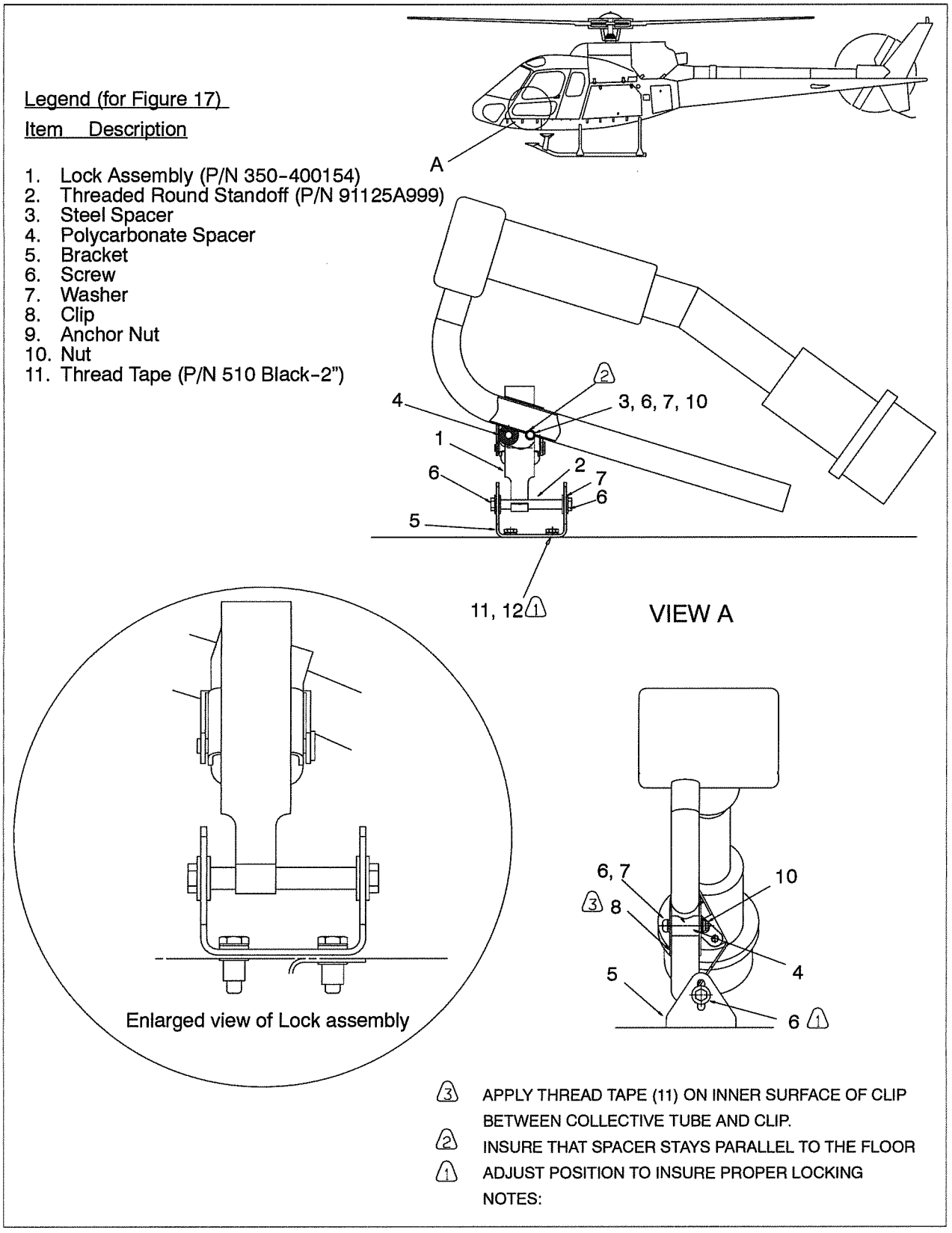


Figure 17 Collective Lock Installation - Side View AS 350 BA, B2 and B3

Transport Canada - Accepted

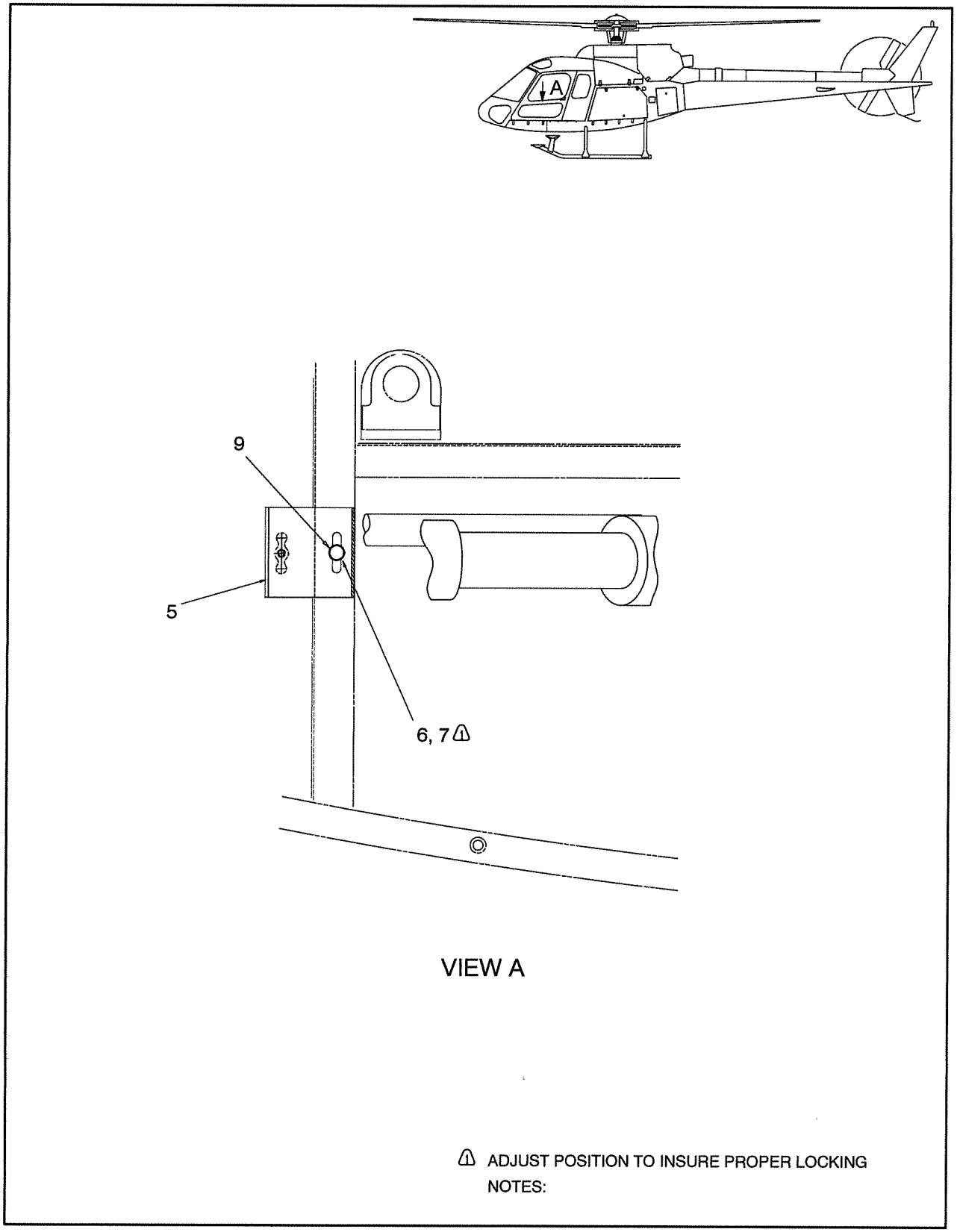
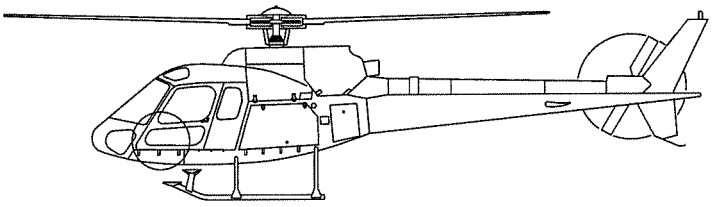


Figure 18 Collective Lock Installation - Top View AS 350 BA, B2 and B3 (continued)

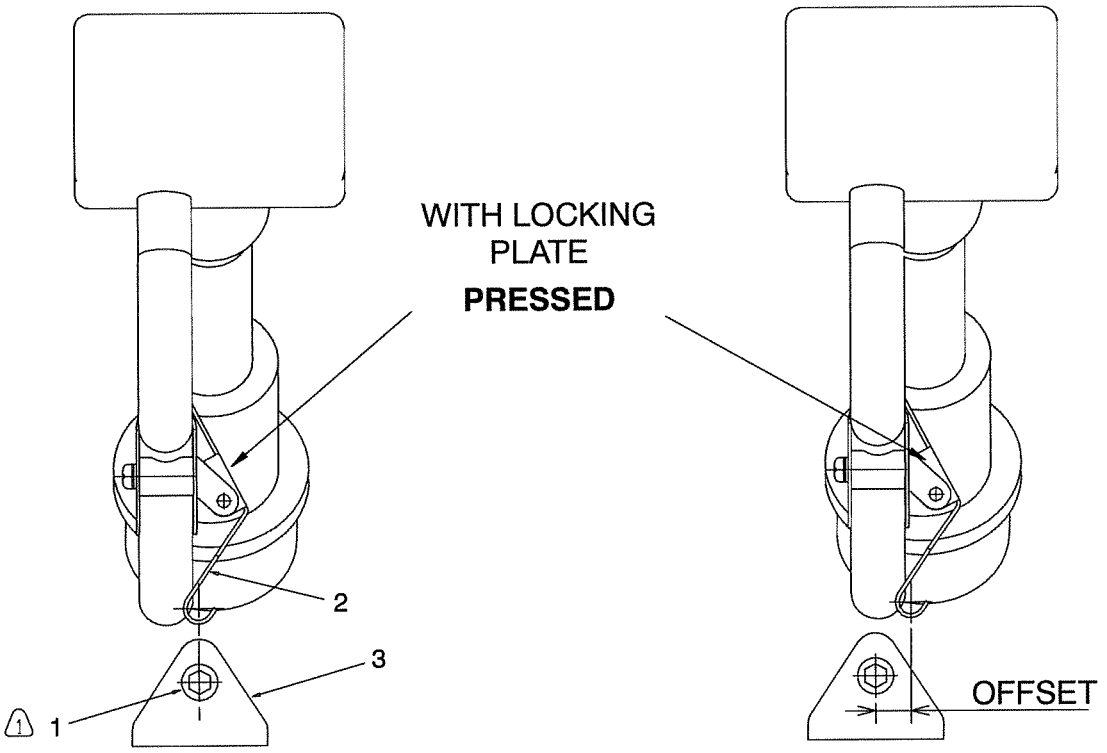
Transport Canada - Accepted



Legend (for Figure 19)

Item Description

1. Screw
2. Lock Assembly
3. Bracket



CORRECT ALIGNMENT

INCORRECT ALIGNMENT

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

The mechanism should engage automatically. For this reason, the locking plate must not pass the standoff (item 2, Figure 17) when pressed as shown above.

⚠1 ADJUST POSITION TO INSURE PROPER LOCKING

NOTES:

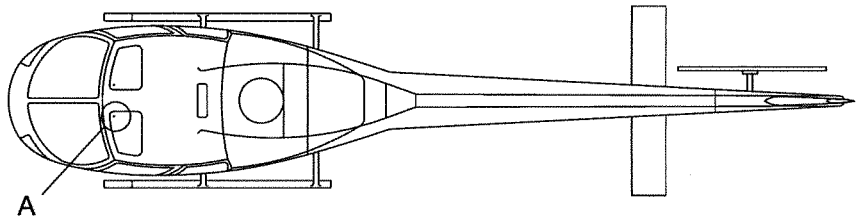
Figure 19 Collective Lock Installation Adjustment AS 350 BA, B2 and B3

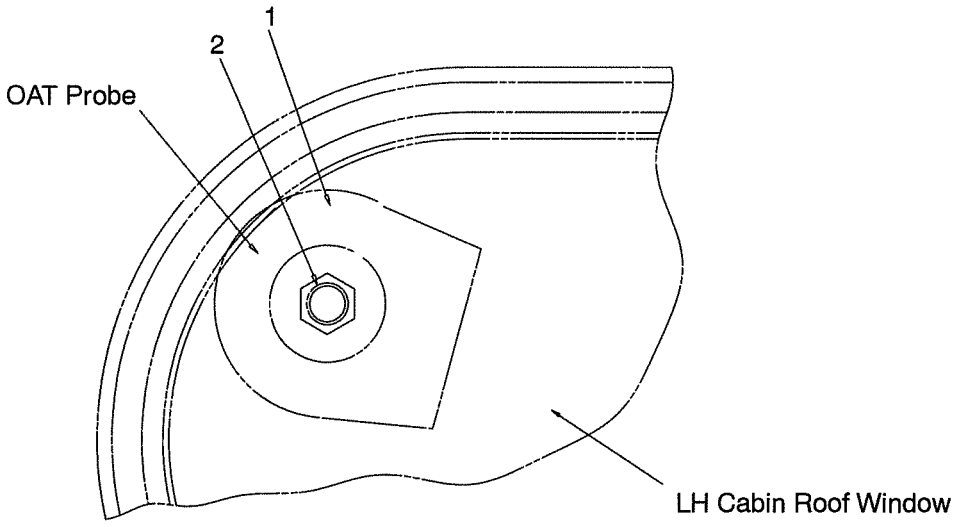
Transport Canada - Accepted

Legend (for Figure 20)

Item Description

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



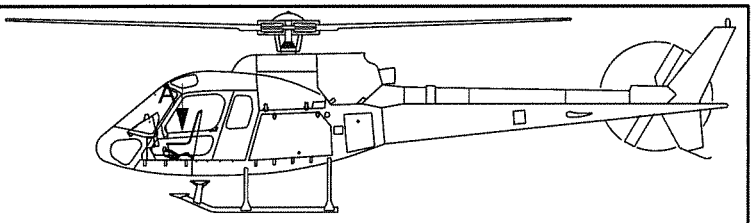


VIEW A

NOTE Hole in grommet, item 1, filed with item 2.

Figure 20 OAT Probe Relocation (AS 350 BA and B2)

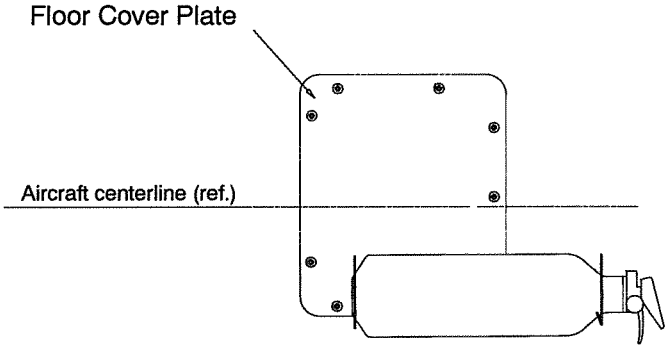
Transport Canada - Accepted



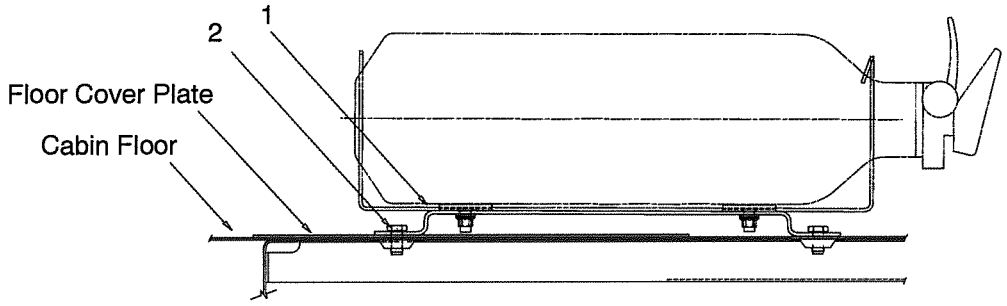
Legend (for Figure 21)

Item Description

1. Extinguisher Mounting Bracket
2. Bolt



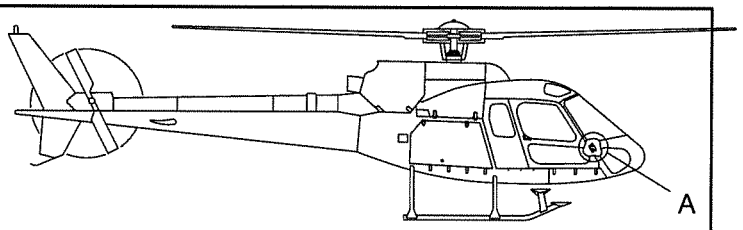
VIEW A (LOOKING DOWN)
Fire Extinguisher Relocation

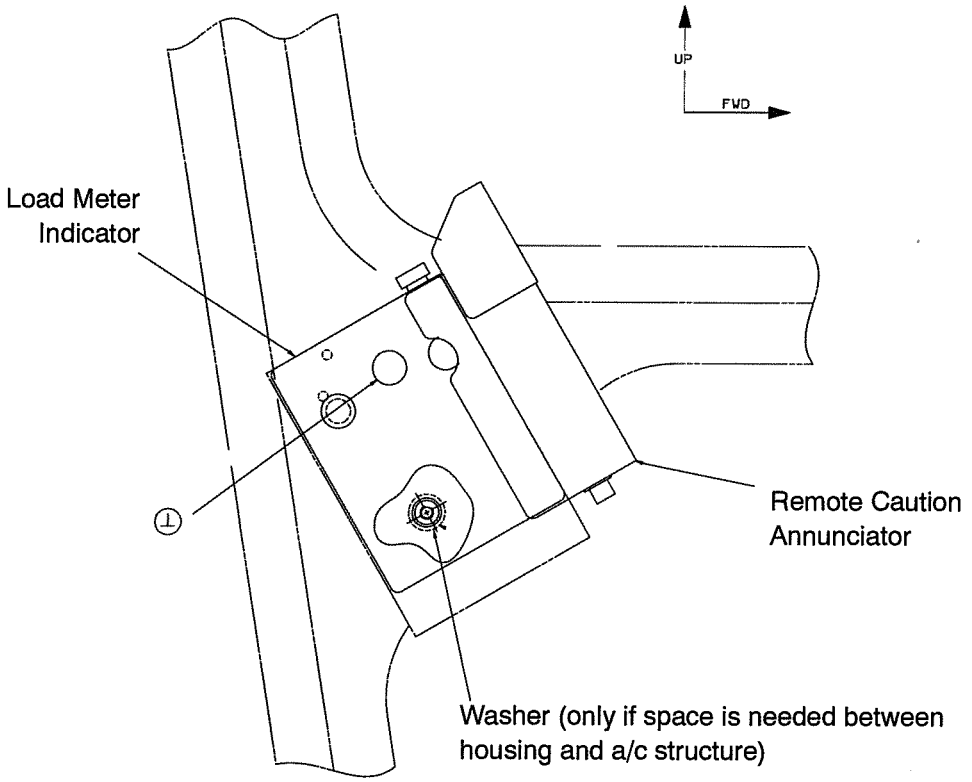


VIEW B

Figure 21 Fire Extinguisher Relocation

Transport Canada - Accepted





VIEW A

NOTE Load meter relocation is optional for LH Pilot if load meter already exists in aircraft using original hardware.

1. For POST AMS 07-3274 installation on the B2
⊥ In this area housing to be free from protective coating.

NOTES

Figure 22 Load Meter Relocation and Remote Caution Annunciator System (AS 350 B2/B3)

Transport Canada - Accepted

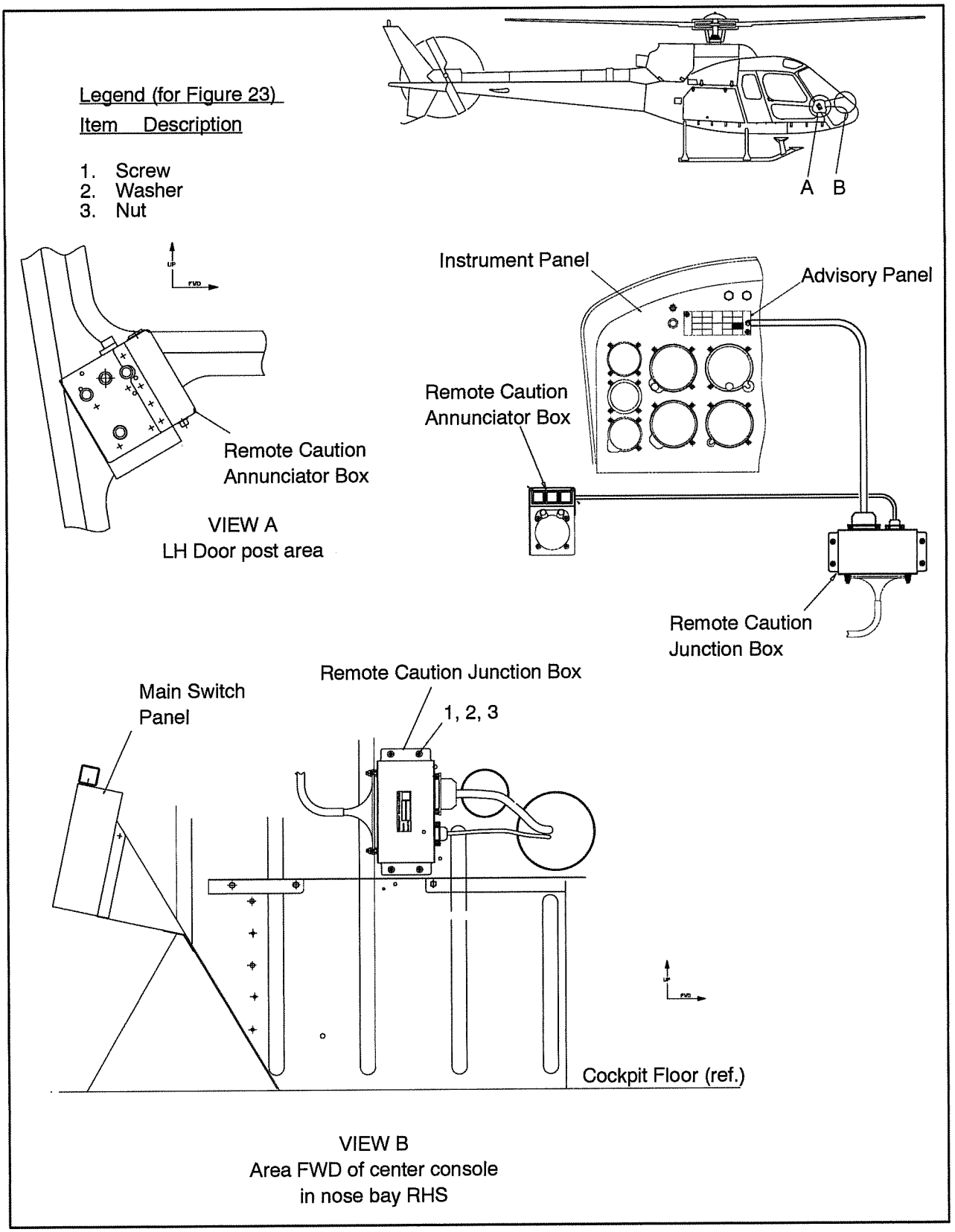


Figure 23 Remote Caution Annunciator System (AS 350 B2)

Transport Canada - Accepted

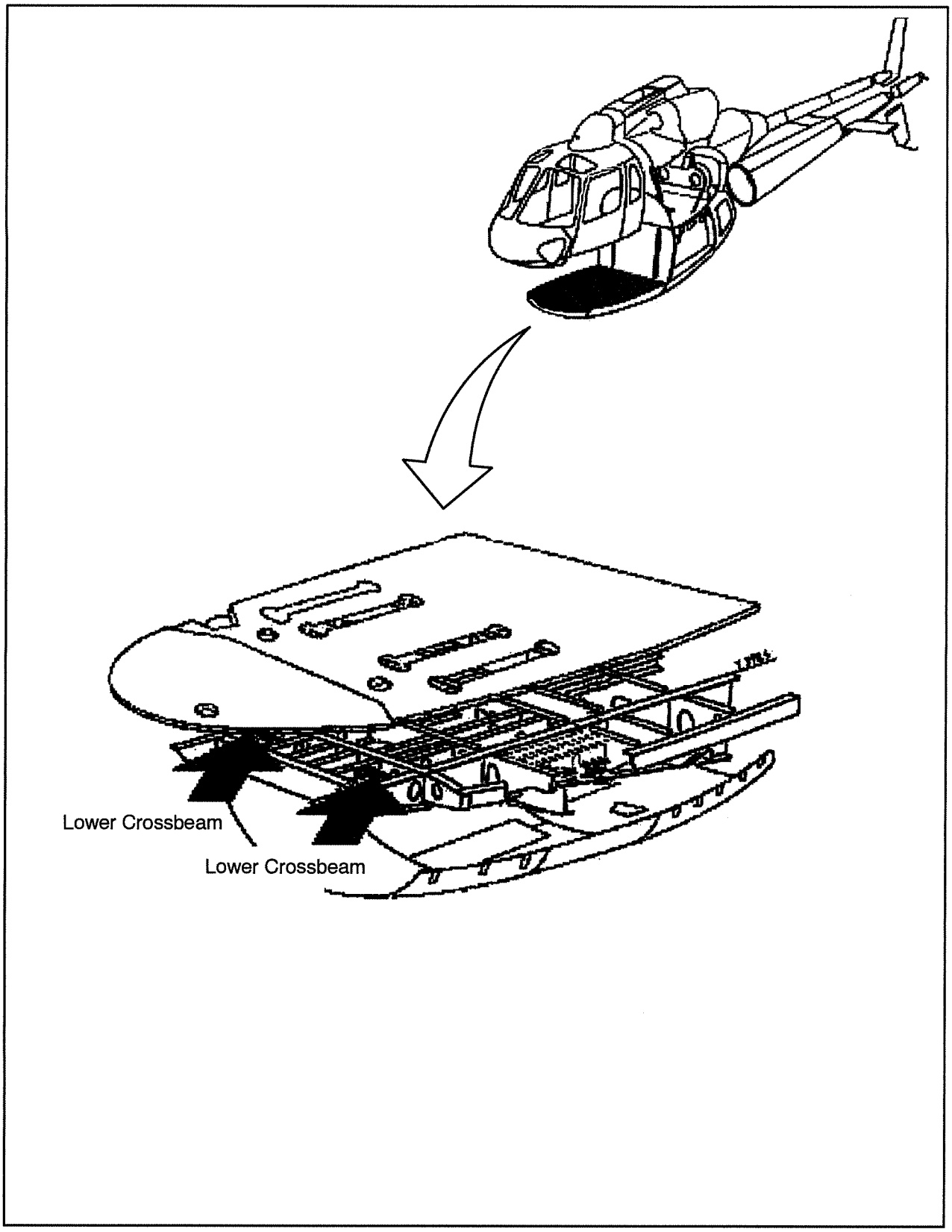


Figure 24 Location of the Lower Crossbeam of the Yaw Control Bellcrank Support

Transport Canada - Accepted

5. REPLACEMENT COMPONENTS AND REPAIR / OVERHAUL INFORMATION

Contact ECL for replacement parts. No overhaul information required for this installation.

6. TROUBLESHOOTING

There are no unique characteristics which require troubleshooting techniques.

For aircraft AS 350 B3 with the Instrument Light Bezels, refer to Figures 25 to 35.

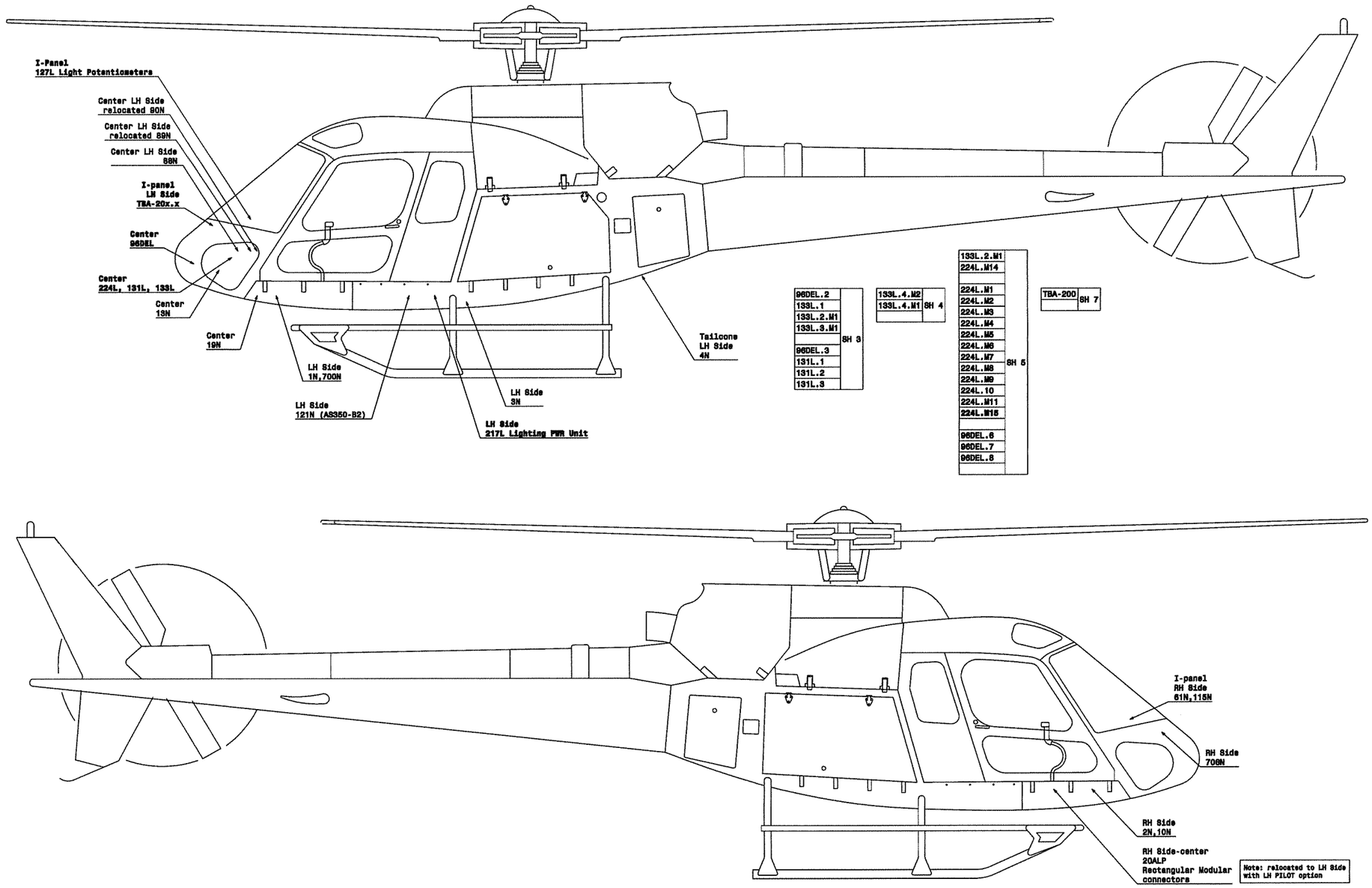


Figure 25 Wiring Diagram, Instrument Lighting MOD, POST MOD AMS 07-4280 (WD350-907304, sht. 1 of 8, Rev. A)

Transport Canada Accepted

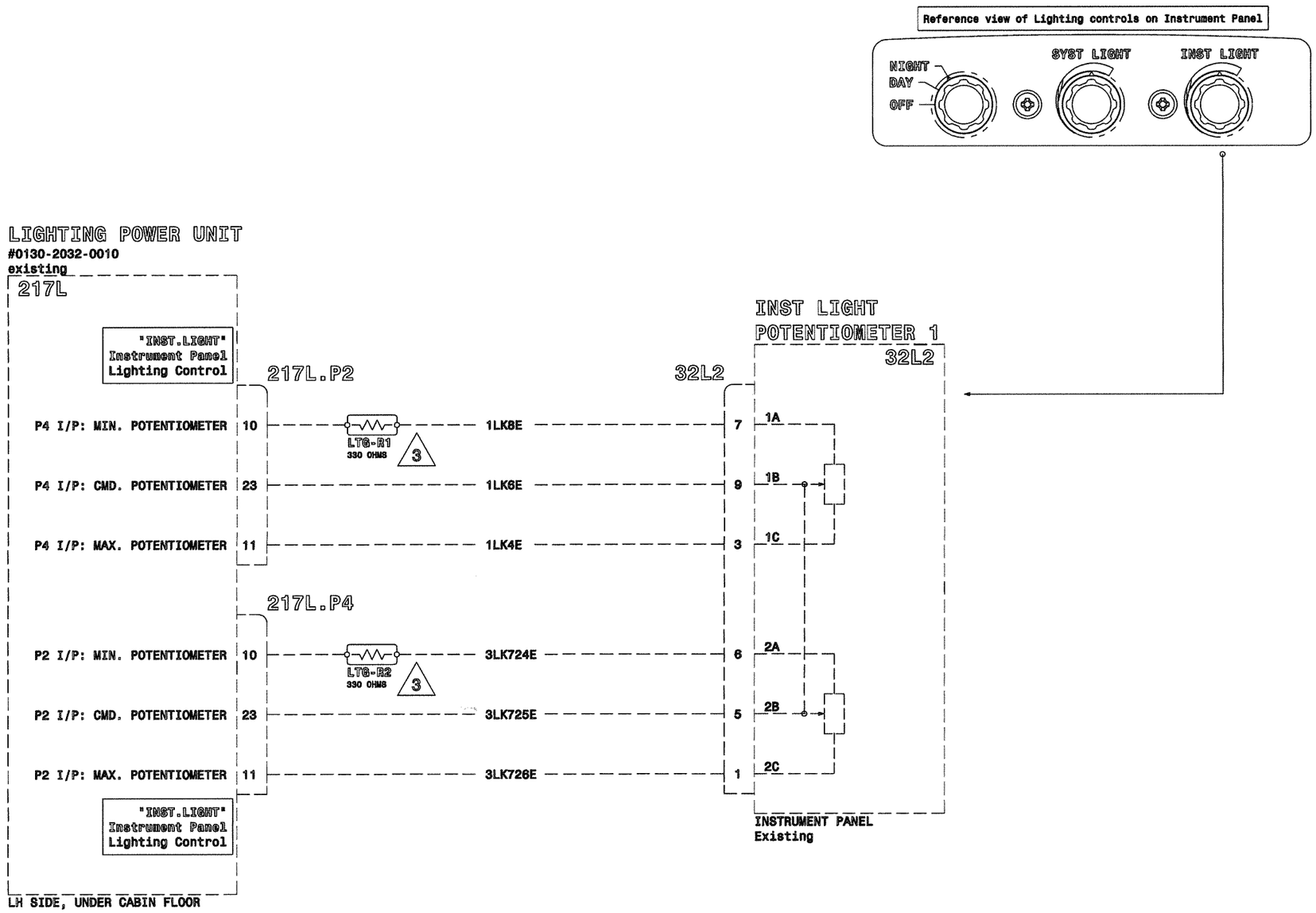


Figure 26 Wiring Diagram, Instrument Lighting MOD, POST MOD AMS 07-4280 (WD350-907304, sht. 2 of 8, Rev. A)

Transport Canada Accepted

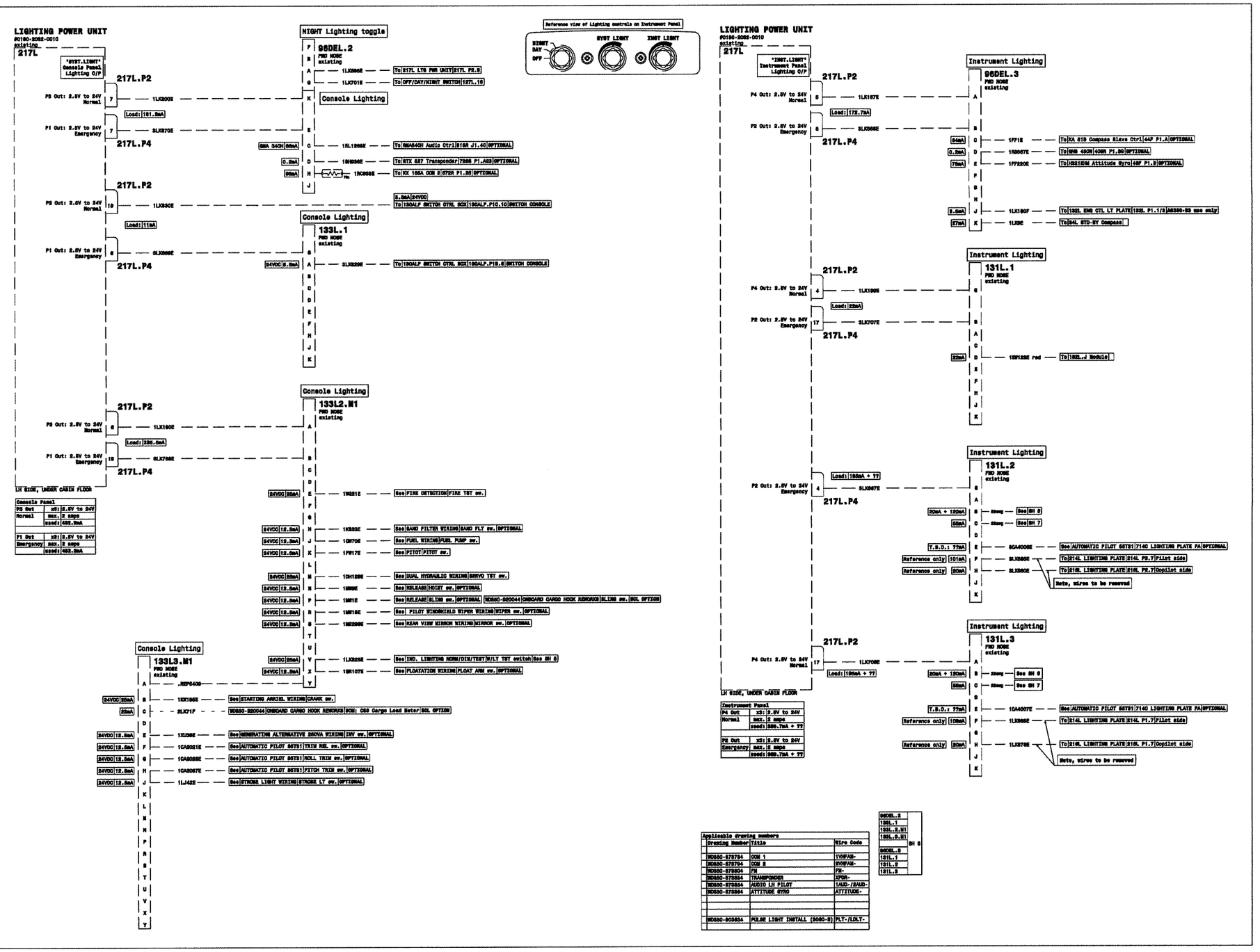


Figure 27 Wiring Diagram, Instrument Lighting MOD, POST MOD AMS 07-4280 (WD350-907304, sht. 3 of 8, Rev. A)

Transport Canada Accepted

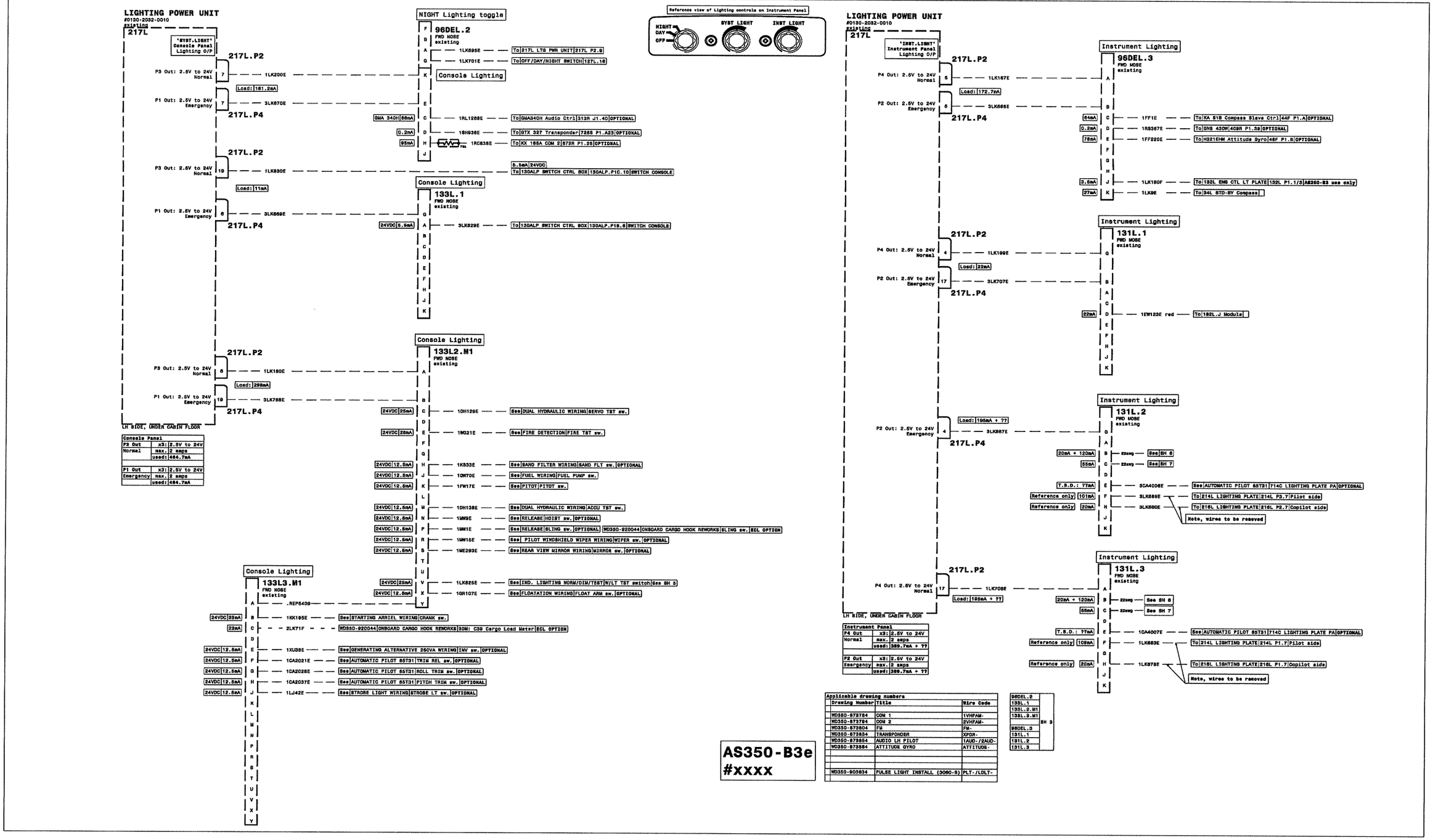


Figure 28 Wiring Diagram, Instrument Lighting MOD, POST MOD AMS 07-4280 (WD350-907304, sht. 3 of 8, Rev. B)

Transport Canada Accepted

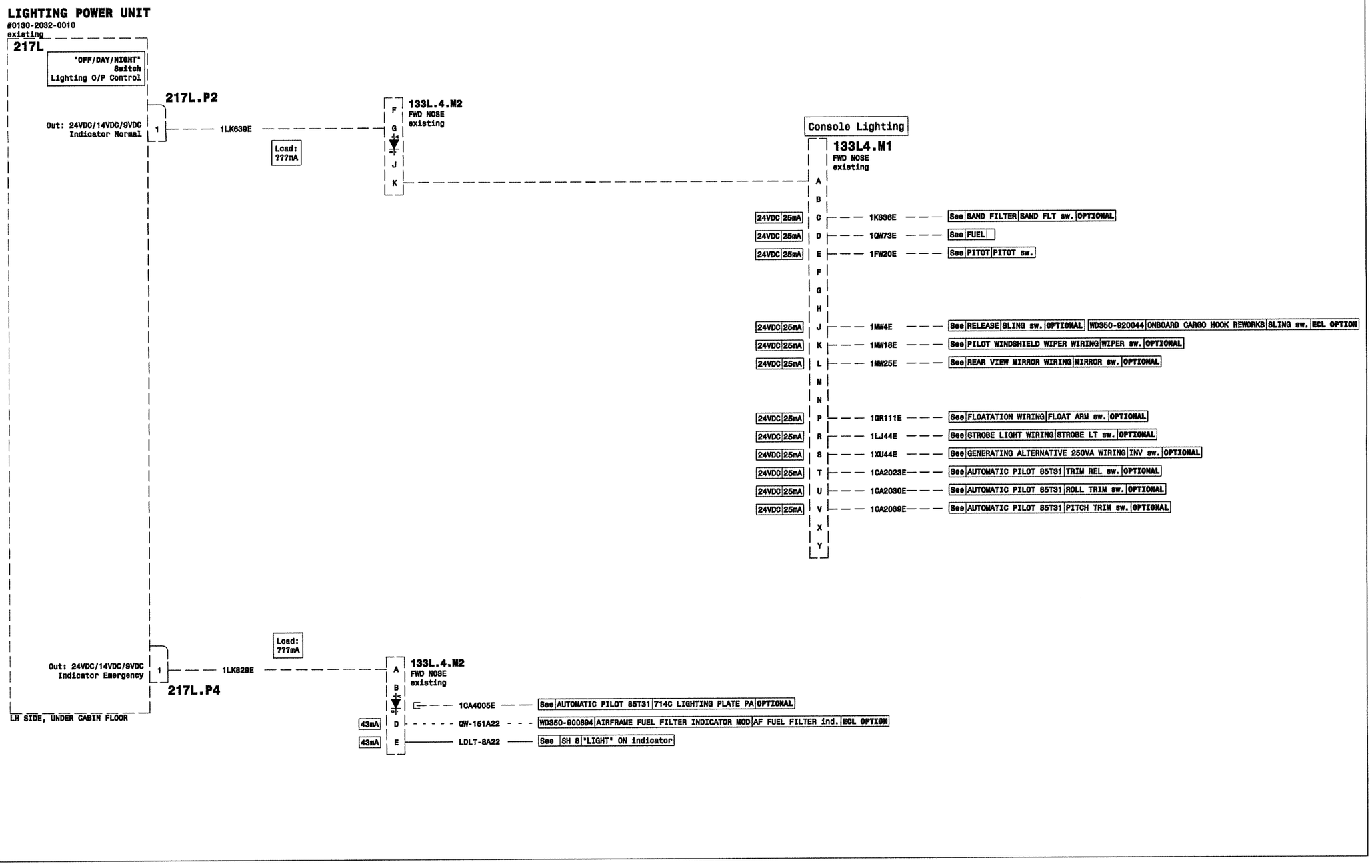


Figure 29 Wiring Diagram, Instrument Lighting MOD, POST MOD AMS 07-4280 (WD350-907304, sht. 4 of 8, Rev. A)

Transport Canada Accepted

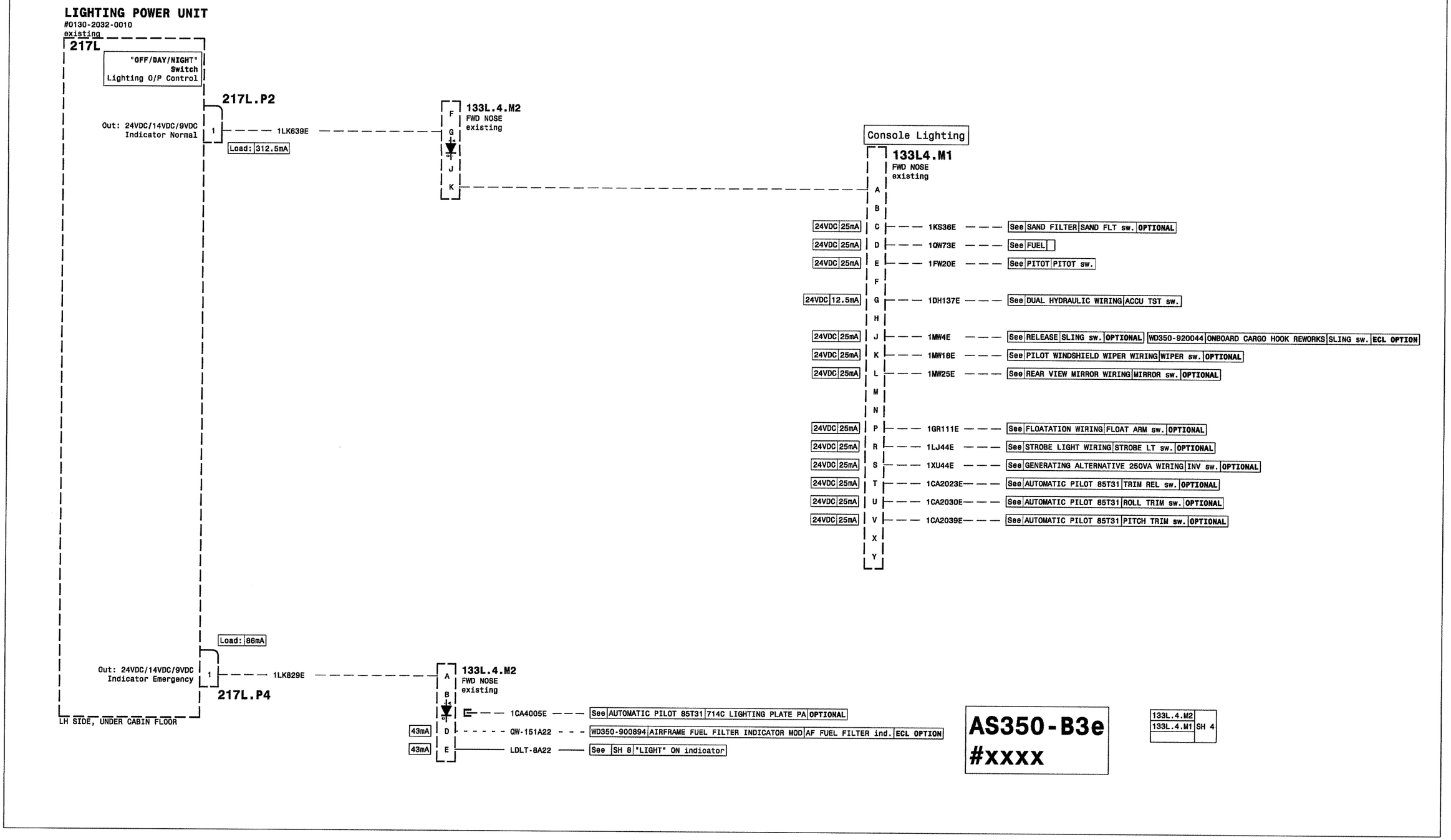


Figure 30 Wiring Diagram, Instrument Lighting MOD, POST MOD AMS 07-4280 (WD350-907304, sht. 4 of 8, Rev. B)

Transport Canada Accepted

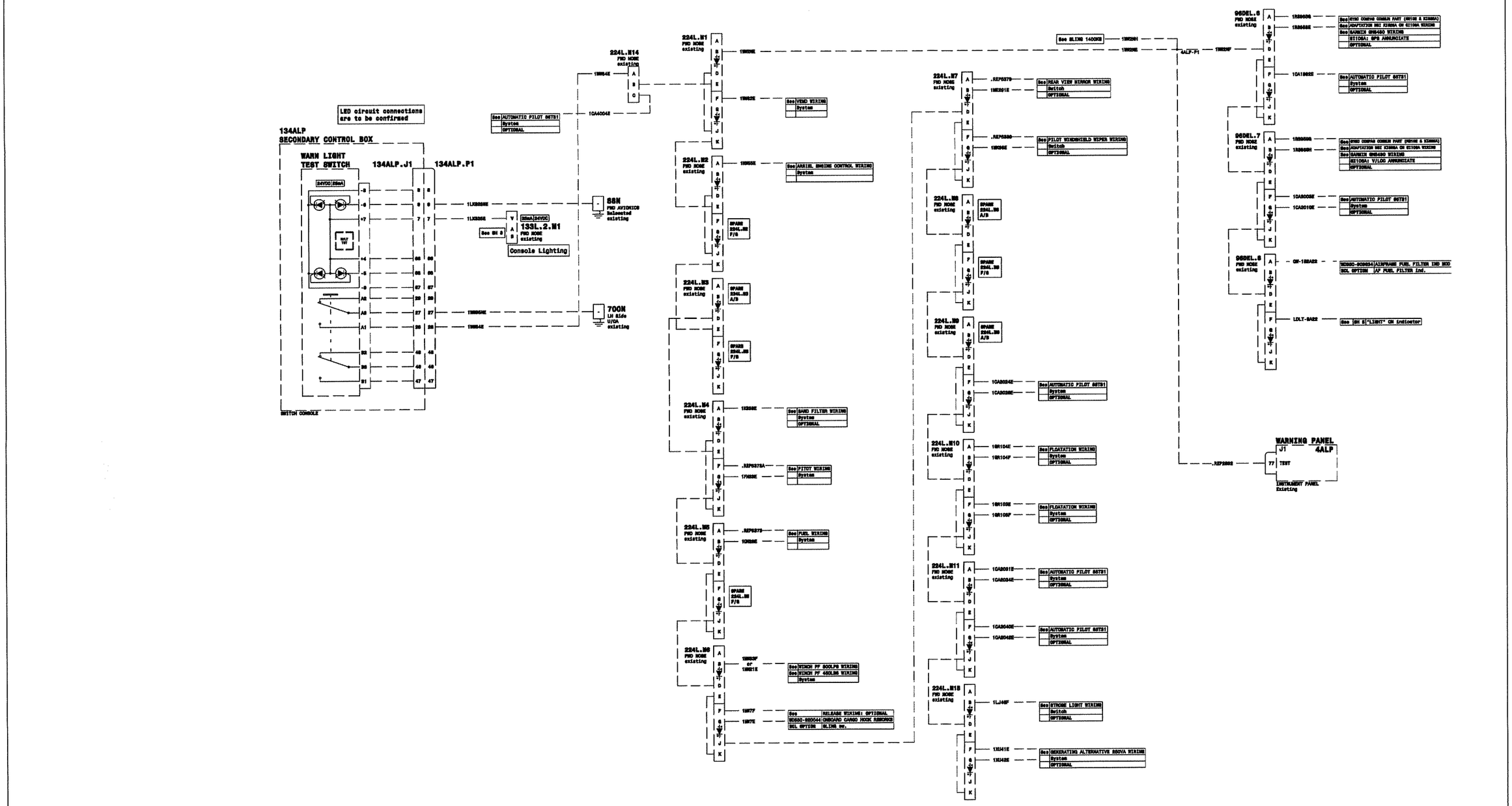


Figure 31 Wiring Diagram, Instrument Lighting MOD, POST MOD AMS 07-4280 (WD350-907304, sht. 5 of 8, Rev. A)

Transport Canada Accepted

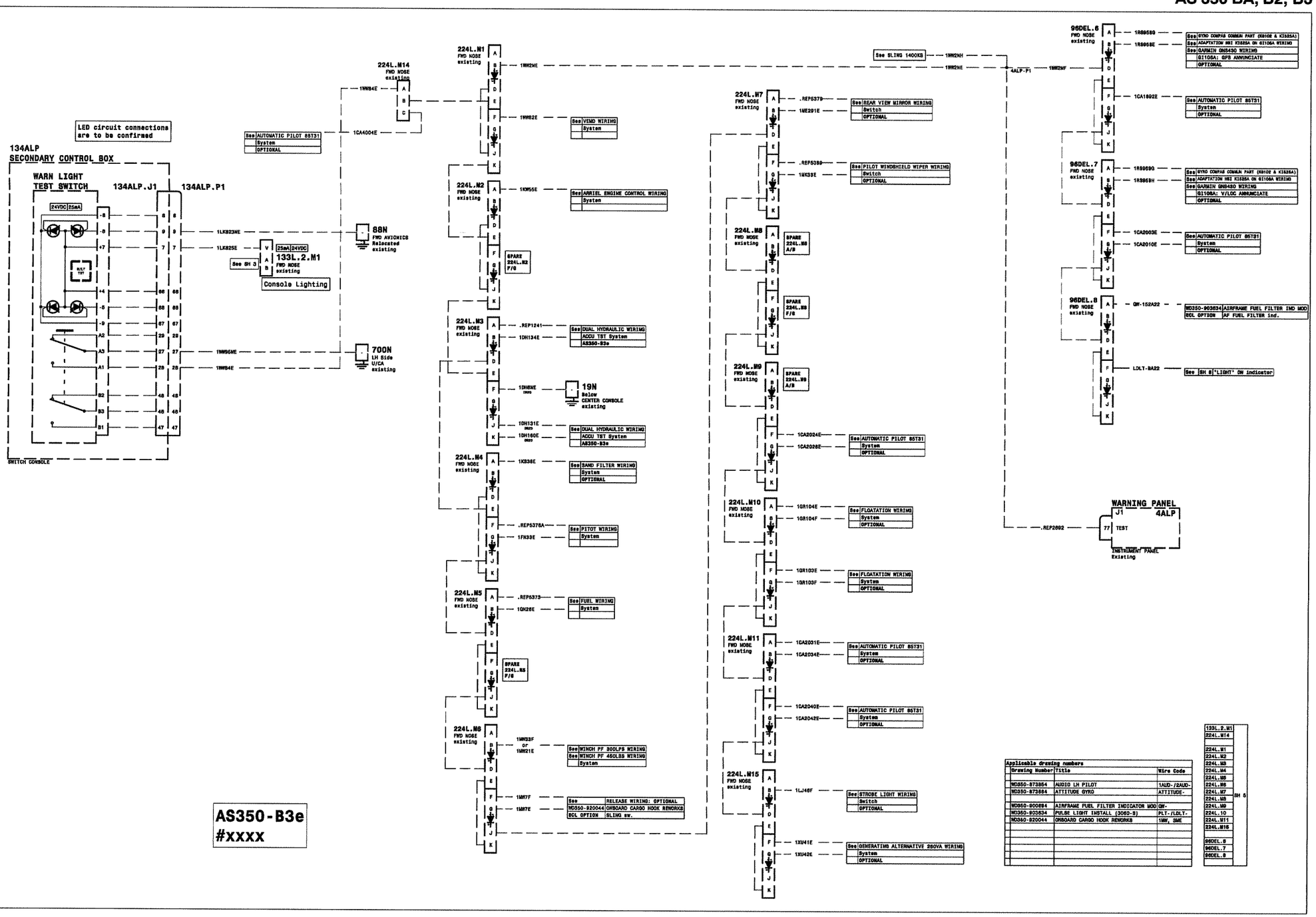


Figure 32 Wiring Diagram, Instrument Lighting MOD, POST MOD AMS 07-4280 (WD350-907304, sht. 5 of 8, Rev. B)

Transport Canada Accepted

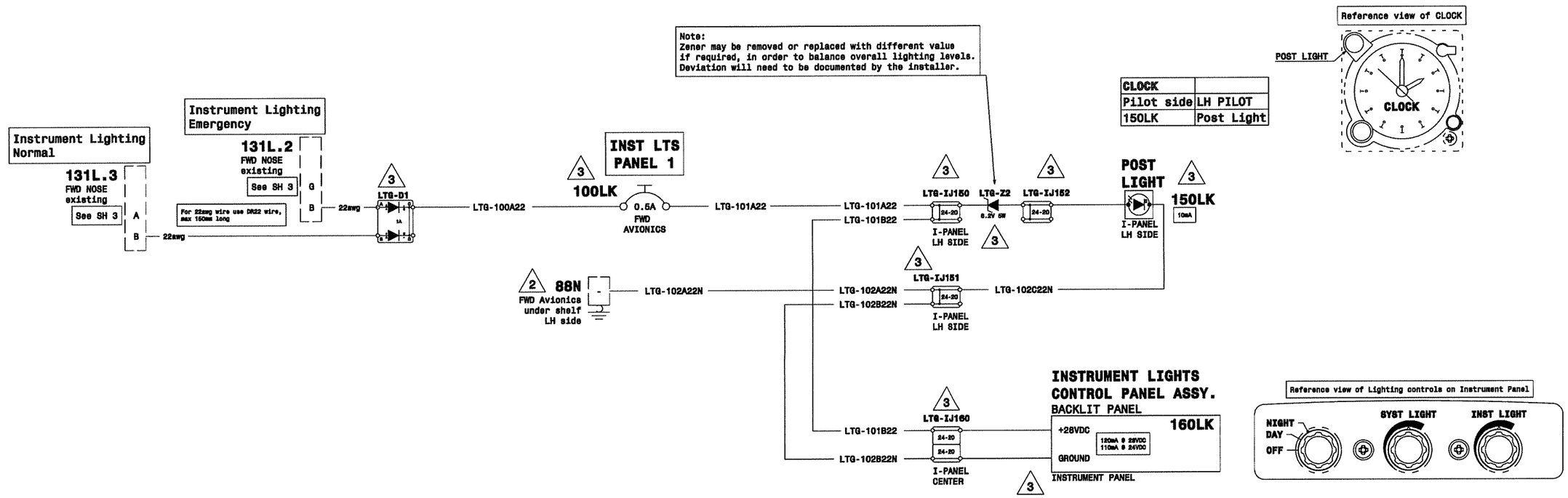


Figure 33 Wiring Diagram, Instrument Lighting MOD, POST MOD AMS 07-4280 (WD350-907304, sht. 6 of 8, Rev. A)

Transport Canada Accepted

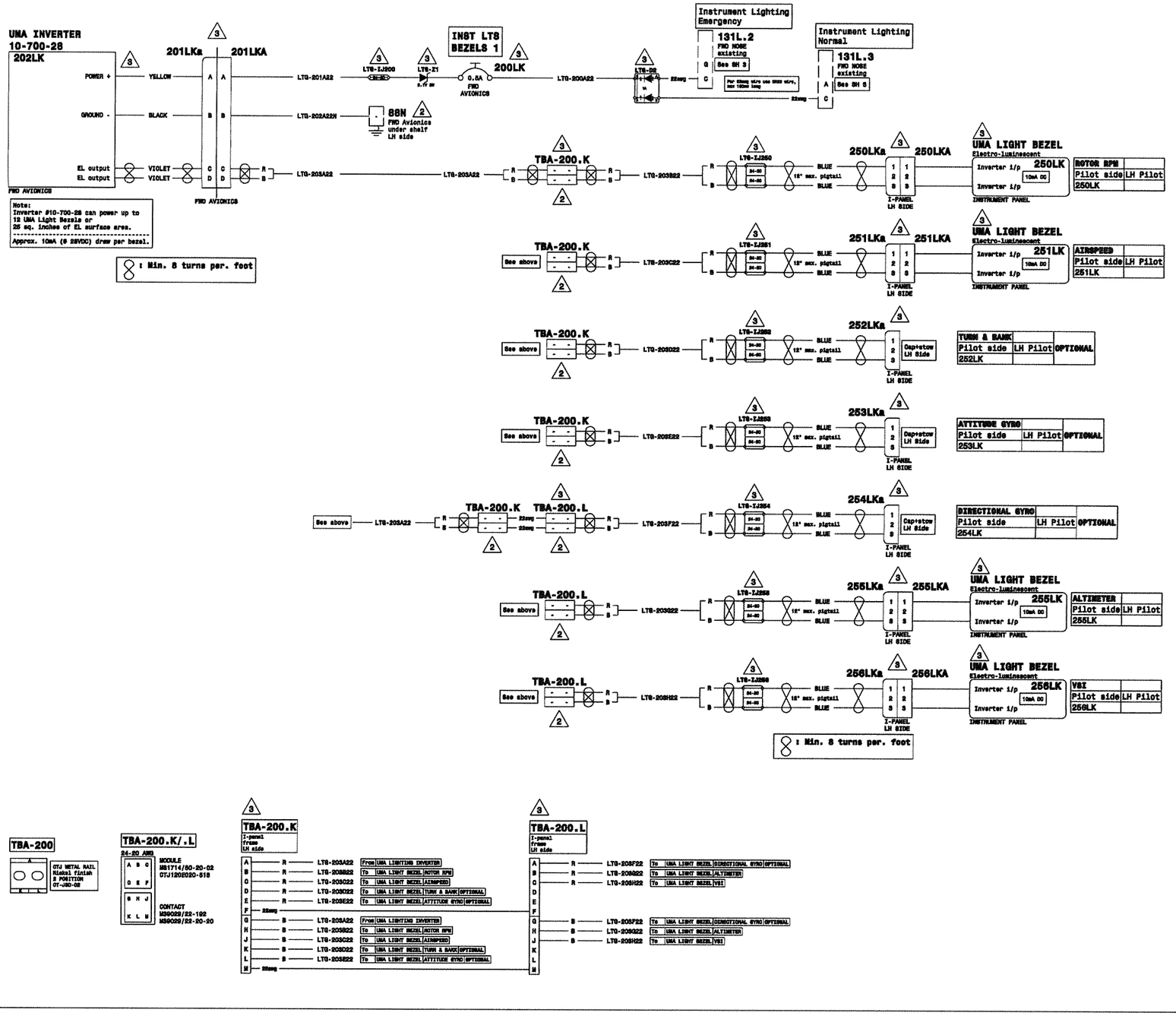


Figure 34 Wiring Diagram, Instrument Lighting MOD, POST MOD AMS 07-4280 (WD350-907304, sht. 7 of 8, Rev. A)

Transport Canada Accepted

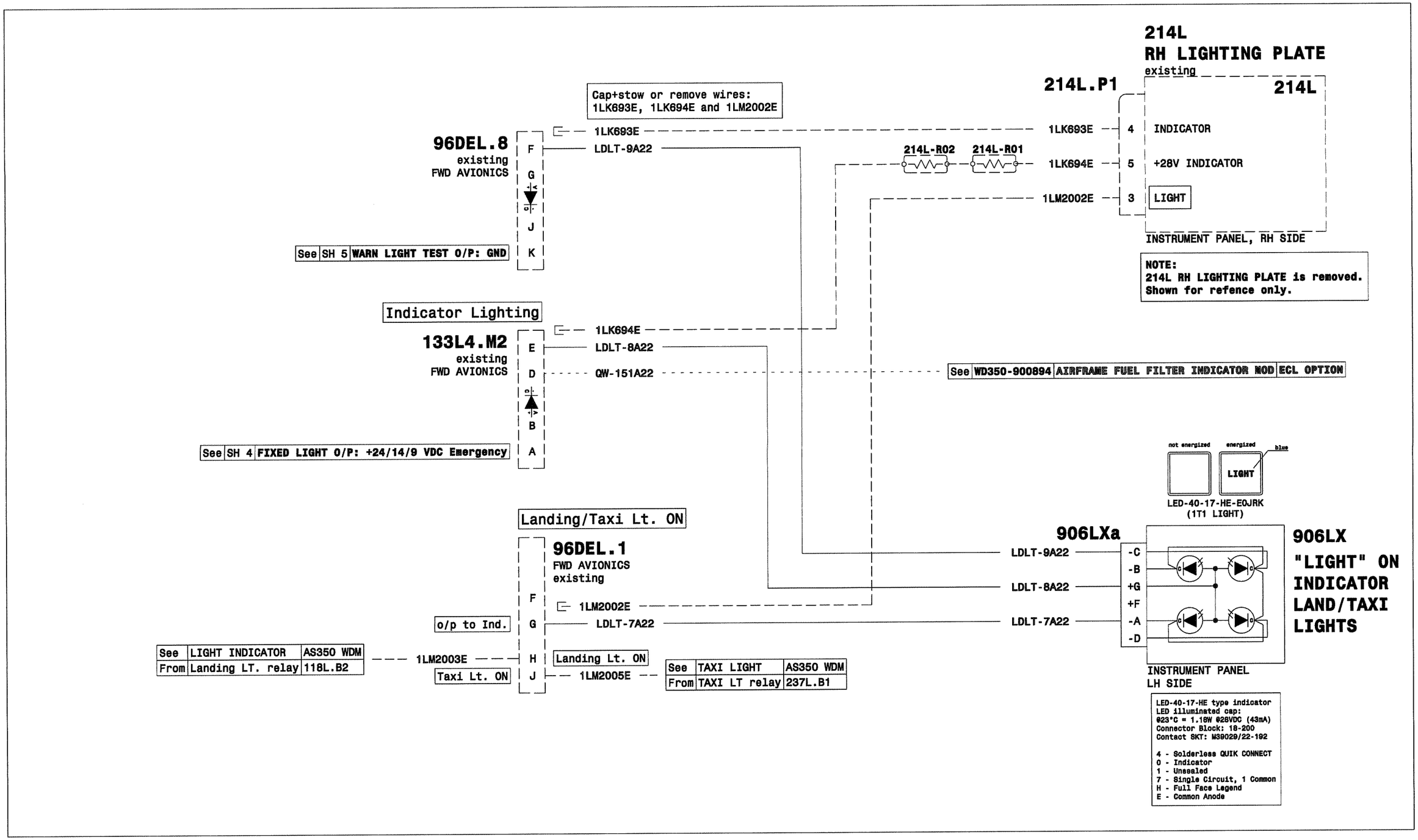


Figure 35 Wiring Diagram, Instrument Lighting MOD, POST MOD AMS 07-4280 (WD350-907304, sht. 8 of 8, Rev. A)

Transport Canada Accepted

This page was left blank intentionally

7. SPECIAL TOOLING

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

8. REMOVAL AND REPLACEMENT

PRELIMINARIES

A. For aircraft AS 350 (excluding AS 350 B2 & B3):

- Read the General Electrical Instructions (refer to AS 350, MET, Chapter 24.00.00.301)
- set the "D.BAT" push button to "OFF"
- set the "EXT PWR BAT" pushbutton to "OFF" (refer to Electrical Power, AS 350 MET, Chapter 24.00.00.301)
- disconnect the external power unit and battery (refer to Removal/Installation AS 350 MET, Chapter 24.30.00.401)

B. For aircraft AS 350 B2 or B3:

- Read General Safety Instructions - Electrical Power Supply System (refer to AS 350 B2/B3, AMM, Chapter 24-00-00, 3-1)
- Read Electrical Power Supply on the Ground (refer to AS 350 B2/B3, AMM, Chapter 24-00-00, 2-1)
- disconnect the external power unit and battery (refer to Removal/Installation, AS 350 B2/B3, AMM, Chapter 24-33-00, 4-1)

C. Open any circuit breakers associated with the left Side Pilot Configuration.

D. Remove glareshield if removing/installing instruments from the instrument panel. Refer to Figures 2, 3, 4, and 5.

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

F. 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-Installation, AS 350 MET, Chapter 53.00.00.405.
For aircraft AS 350 B2/B3, refer to Removal/Installation - Lower fairings, AS 350 B2/B3, AMM, Chapter 53-51-00, 4-2.

A. REMOVAL

1) COLLECTIVE LEVER

a. For aircraft AS 350 (excluding B2 & B3), remove the Collective Lever in accordance with Dual Flight Controls - Removal-Installation, AS 350 MET, Chapter 67.10.00.401.

b. For aircraft AS 350 B2/B3, remove the Collective Lever in accordance with Disassembly / Assembly - Single / Double Controls, AS 350 B2/B3, AMM, Chapter 67-10-00, 4-2.

2) CYCLIC CONTROLS

a. For aircraft AS 350 (excluding B2 & B3), remove the Cyclic Controls in accordance with Dual Flight Controls - Removal-Installation, AS 350, MET, Chapter 67.10.00.401.

b. For aircraft AS 350 B2/B3, remove the Cyclic Controls in accordance with Disassembly / Assembly - Single / Double Controls, AS 350 B2/B3, AMM, Chapter 67-10-00, 4-2.

3) THREADED ROUND STANDOFF (Refer to Figure 17)

a. Remove screws (6, 2 places), washers (7, 4 places) from bracket (5) and remove threaded round standoff (2).

4) LOCK ASSEMBLY (Refer to Figure 17)

NOTE: Before removing hardware mark clip (8) location on tube.

a. Remove screws (6, 2 places), nuts (10, 2 places) washers (7, 4 places) securing the steel spacer (3, 1 place) and polycarbonate spacer (4, 1 place) from lock assembly (1).

B. REPLACEMENT

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

1) COLLECTIVE LEVER

   a. For aircraft AS 350 (excluding B2 & B3), remove the Collective Lever in accordance with Dual Flight Controls - Removal-Installation, AS 350 MET, Chapter 67.10.00.401.

   b. For aircraft AS 350 B2/B3, remove the Collective Lever in accordance with Disassembly / Assembly - Single / Double Controls, AS 350 B2/B3, AMM, Chapter 67-10-00, 4-2.

2) CYCLIC CONTROLS

   a. For aircraft AS 350 (excluding B2 & B3), remove the Cyclic Controls in accordance with Dual Flight Controls - Removal-Installation, AS 350, MET, Chapter 67.10.00.401.

   b. For aircraft AS 350 B2/B3, remove the Cyclic Controls in accordance with Disassembly / Assembly - Single / Double Controls, AS 350 B2/B3, AMM, Chapter 67-10-00, 4-2.

3) THREADED ROUND STANDOFF (Refer to Figure 17)

   a. Remove screws (6, 2 places), washers (7, 4 places) from bracket (5) and remove threaded round standoff (2).

4) LOCK ASSEMBLY (Refer to Figure 17 and 19)

   a. Reposition clip (8) on collective lever at previously marked location. Refer to Figure 17.

   b. Reposition steel spacer (3) and secure using screw (6), nut (10) washers (7, 2 places). Ensure that steel spacer (3) stays parallel to the floor.

   c. Reposition polycarbonate spacer (4) and secure using screw (6), nut (10) washers (7, 2 places). Ensure parallelsim between the hook of lock assembly (1) and threaded round standoff (2).

   d. Ensure correct alignment of bracket (5). Press down on lock assembly (1), the lock assembly and threaded round standoff must be in correct alignment. Refer to Figure 19.

NOTE: Adjust position of bracket (3) to insure proper locking.
Refer to Figure 19, Note 1.

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

5) For aircraft AS 350 (excluding AS 350 B2 & B3):

- If lower cowlings where removed. reinstall in accordance with Forward & aft lower cowling under bottom structure: Removal-Installation, AS 350 MET, Chapter 53.00.00.405.
- Apply external power unit and battery. Refer to AS 350 MET, Chapter 24.30.00.401.
- Perform functional test in accordance with AS 350, Chapter 24.30.00.501.

6) For aircraft AS 350 B2 & B3:

- If lower cowlings where removed, reinstall in accordance with Removal/Installation - Lower fairings, AS 350 B2/B3, AMM, Chapter 53-51-00, 4-2.
- Before energizing the aircraft power supply, read safety instructions, refer to General Safety Instruction - Electrical Power Supply System, AS 350 B2/B3, AMM, Chapter 24-00-00, 3-1.
- Reconnect the external power unit and battery, refer to removal / Installation As 350 B2/B3, AMM, Chapter 24-33-00, 4-1.
- Perform functional test in accordance with AS 350, Chapter 24.33-00, 4-1.

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

8) 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.

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	0.0	0.00	0.0	0.00	0.0
Total	0.00	0.0	0.00	0.0	0.00	0.0

B. Added Items

DESCRIPTION	WEIGHT		ARM		MOMENT	
	kg	lbs	m	in	kg m	lb in
Collective Control Quadrant	1.35	3.0	1.13	44.5	1.53	133.5
Collective Lever Fitting	0.38	0.8	1.13	44.5	0.43	35.6
Collective Cover Plate Assembly	0.04	0.1	1.13	44.5	0.05	4.5
Cyclic Stick Mod	0.39	0.9	1.13	44.5	0.44	40.1
Collective Lock Installation	0.30	0.7	1.13	44.5	0.34	31.2
Hardware	0.83	1.8	1.13	44.5	0.94	80.1
Total	3.29	7.3	1.13	44.5	3.72	324.9

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	0.0	0.00	0.0	0.00	0.0
Total	0.00	0.0	0.00	0.0	0.00	0.0

B. Added Items

DESCRIPTION	WEIGHT		ARM		MOMENT	
	kg	lbs	m	in	kg m	lb in
Collective Control Quadrant	1.35	3.0	1.13	44.5	1.53	133.5
Collective Lever Fitting	0.38	0.7	1.13	44.5	0.43	35.6
Collective Cover Plate Assembly	0.04	0.1	1.13	44.5	0.05	4.5
Cyclic Stick Mod	0.39	0.9	1.13	44.5	0.44	40.1
Collective Lock Installation	0.30	0.7	1.13	44.5	0.34	31.2
Pilots LH Collective Mod	0.38	0.8	1.13	44.5	0.43	35.6
Hardware	0.88	1.9	1.13	44.5	0.99	84.6
Total	3.72	8.2	1.13	44.5	4.20	364.9

Transport Canada - Accepted

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	0.0	0.00	0.0	0.00	0.0
Total	0.00	0.0	0.00	0.0	0.00	0.0

B. Added Items

DESCRIPTION	WEIGHT		ARM		MOMENT	
	kg	lbs	m	in	kg m	lb in
Collective Control Quadrant	2.26	5.0	1.13	44.5	2.55	222.5
Collective Lever Fitting	0.38	0.8	1.13	44.5	0.43	35.6
Collective Cover Plate Assembly	0.04	0.1	1.13	44.5	0.05	4.5
Cyclic Stick Mod	0.39	0.9	1.13	44.5	0.44	40.1
Collective Lock Installation	0.30	0.7	1.13	44.5	0.34	31.2
Pilot LH Collective MOD	0.38	0.8	1.13	44.5	0.43	35.6
Hardware	0.49	1.1	1.13	44.5	0.55	49.0
Total	4.24	9.4	1.13	44.5	4.79	418.3

Transport Canada - Accepted

10. PLACARDS AND MARKINGS

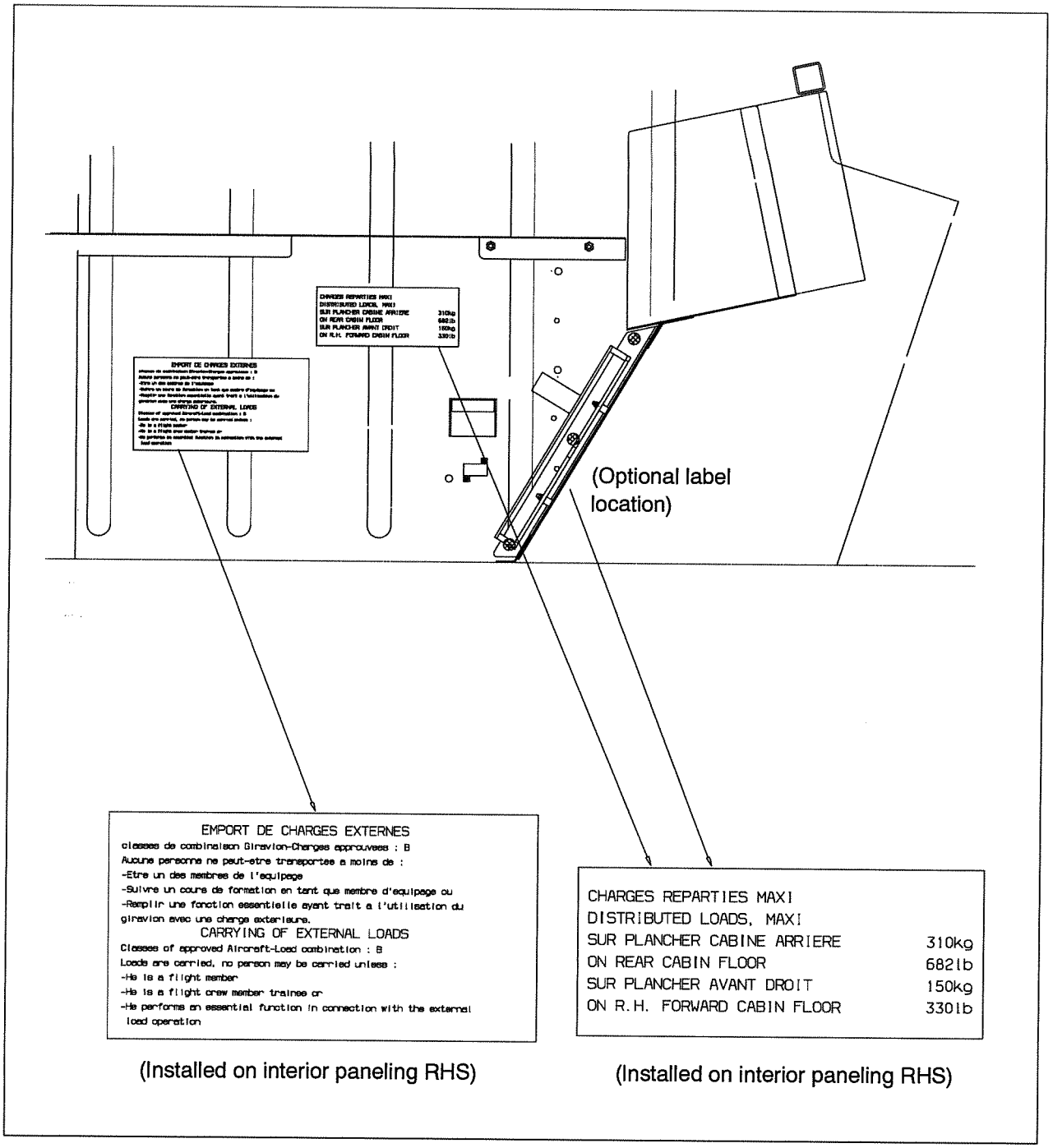
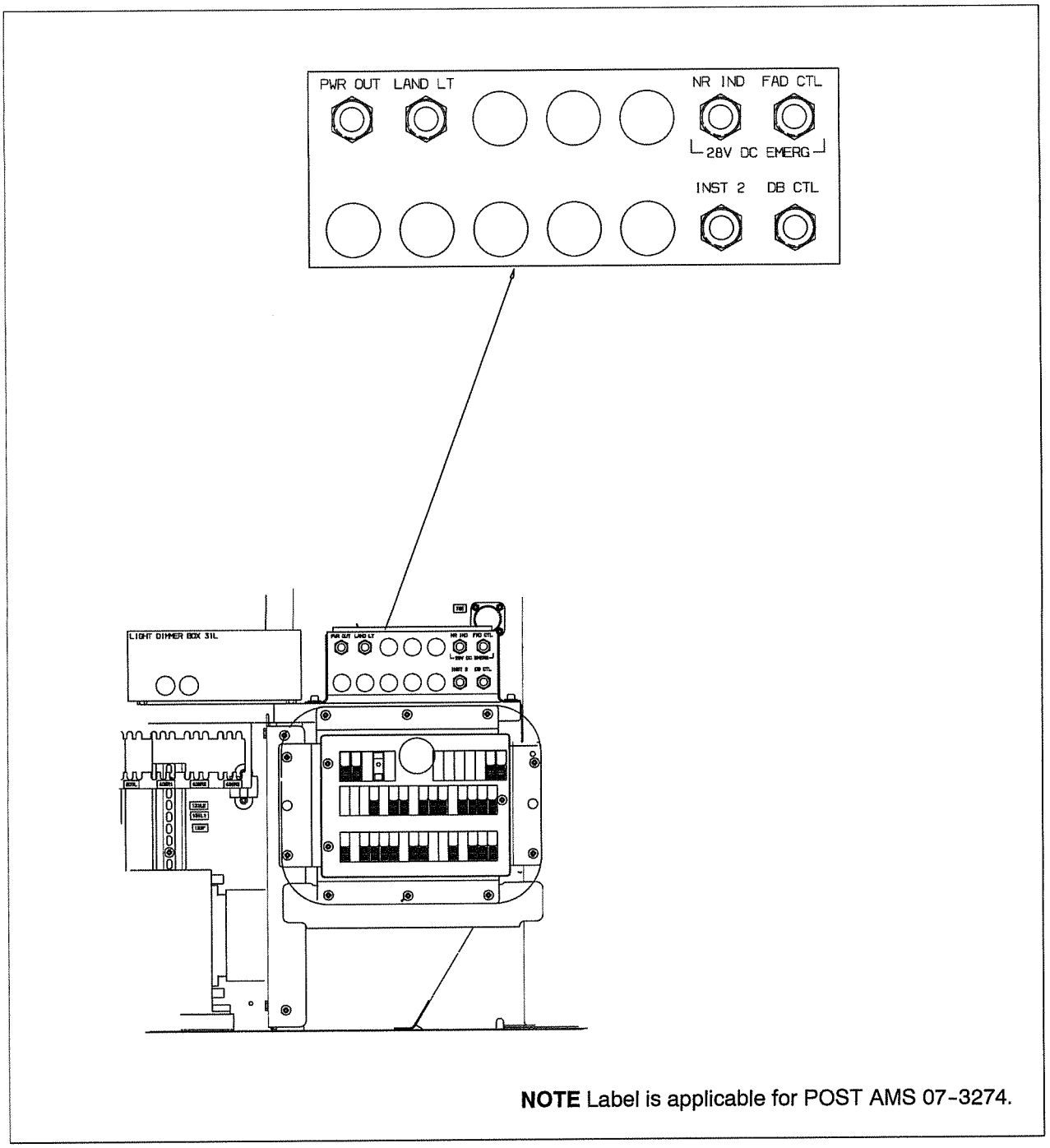


Figure 36 Identification label location in nosebay

Transport Canada - Accepted

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



NOTE Label is applicable for POST AMS 07-3274.

Figure 37 Identification label location in nosebay (AS 350 BA & B2)

Transport Canada - Accepted

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

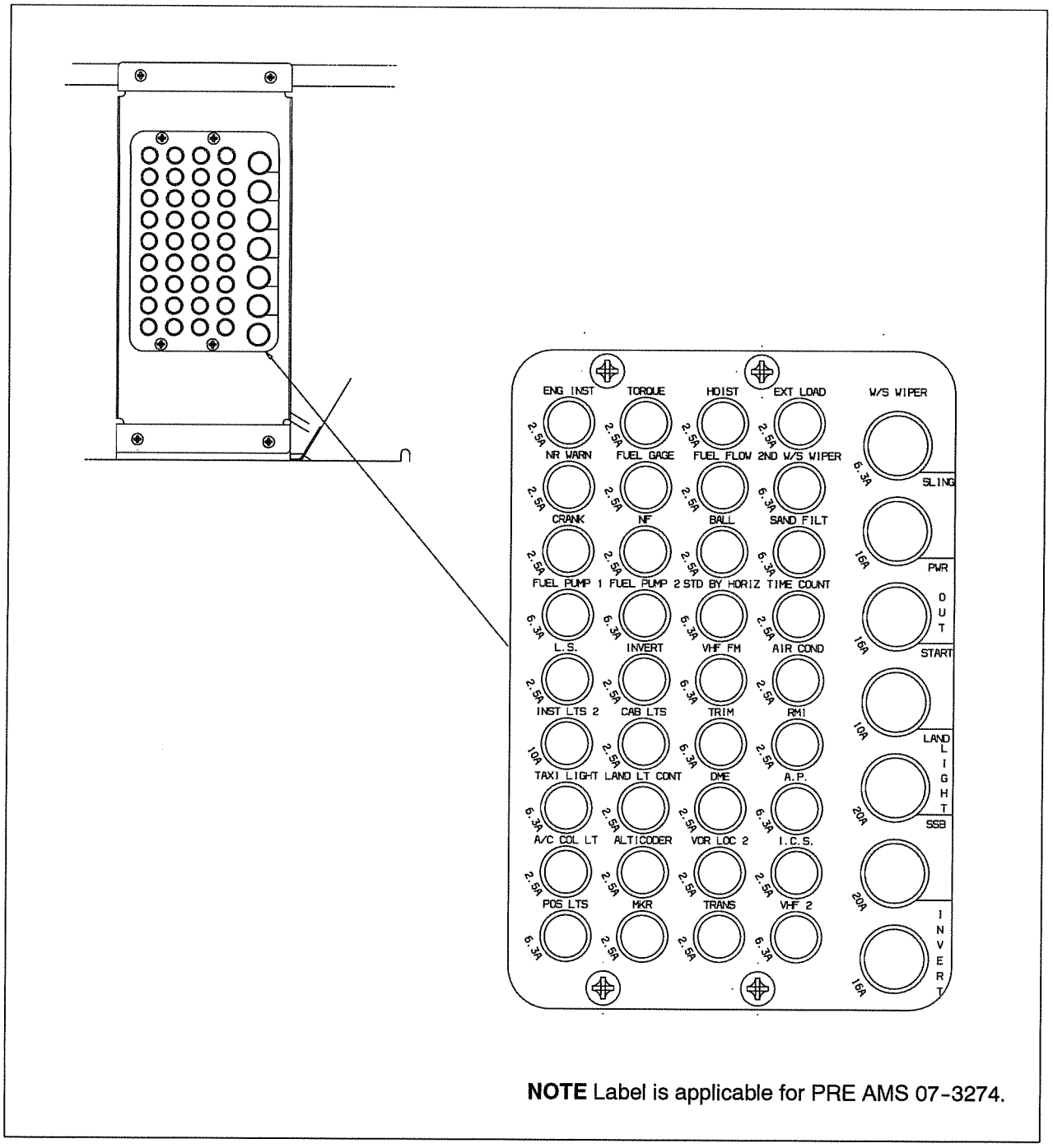
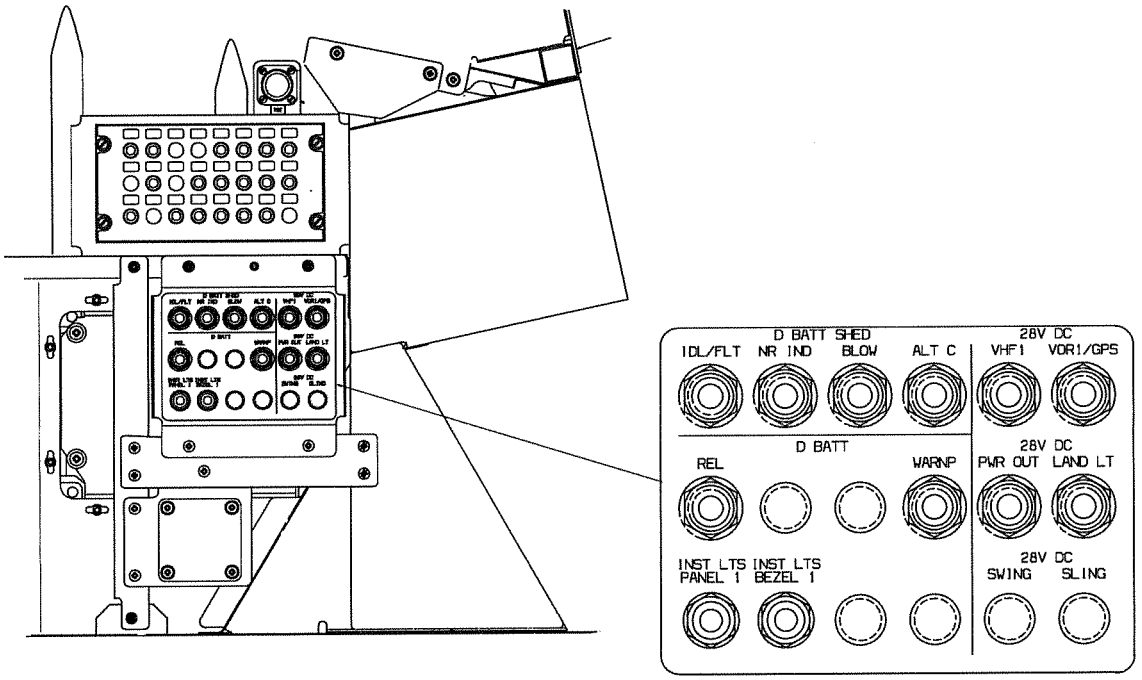


Figure 38 Identification label location in nosebay (AS 350 BA & B2)

Transport Canada - Accepted

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



NOTE Label is applicable for POST AMS 07-4280.

Figure 39 Identification label location in nosebay (AS 350 B3)

Transport Canada - Accepted

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

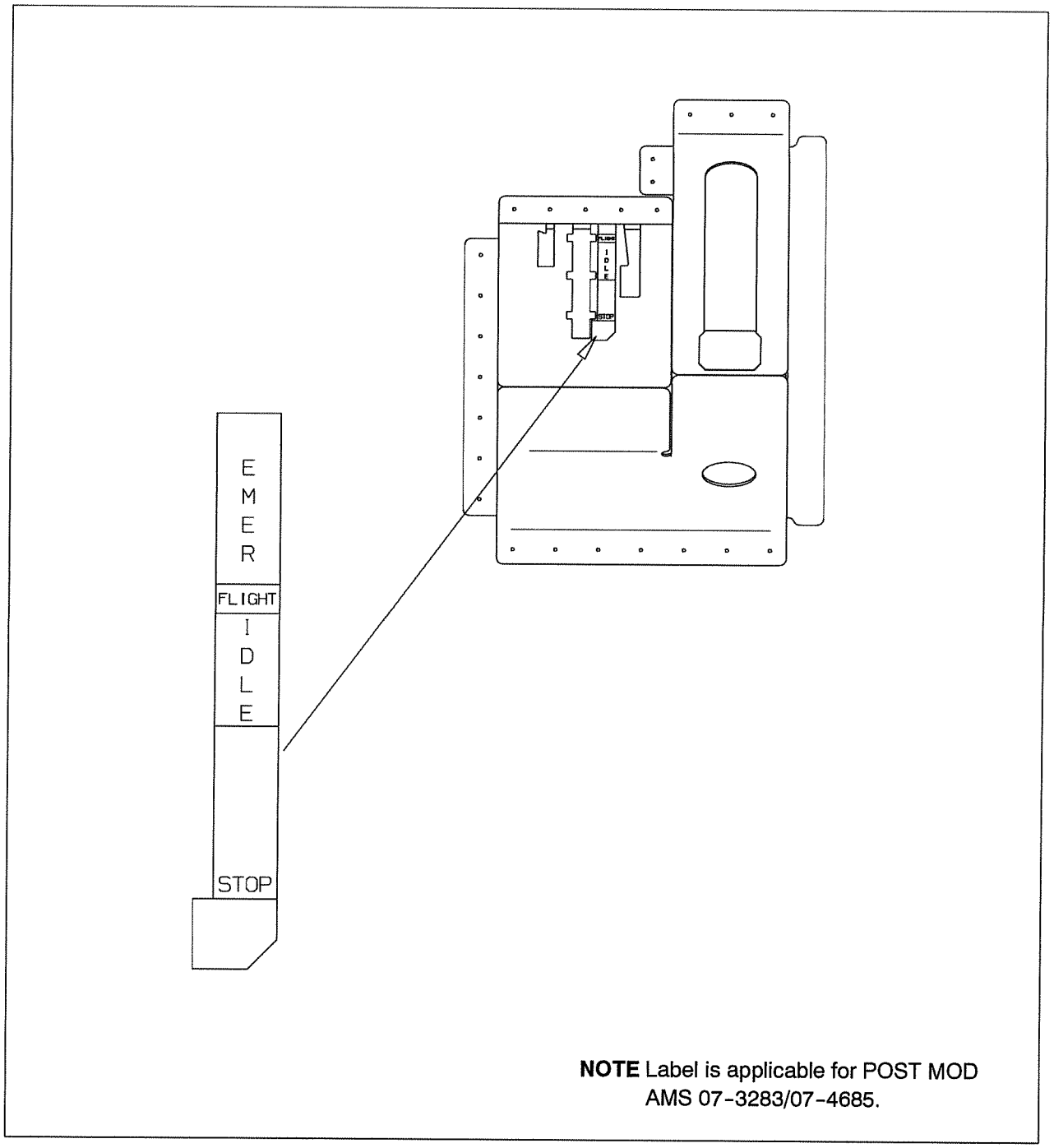


Figure 40 Identification label on throttle quadrant (AS 350 B2)

Transport Canada - Accepted