

SUBJECT: LEFT-HAND LITTER KIT (P/N 350-200034 and 350-200194)

The Left- Hand Litter Kit is located on the LH side of the cabin floor and is designed to carry one person on a portable stretcher loaded in the “feet forward” orientation with feet in the foot bag. The RH rear seat is available to carry medical personnel.

APPLICABILITY:

This Flight Manual Supplement shall be used when the complete Left- Hand Litter Kit is installed on the helicopter (fixed and detachable provisions).

 Department of Transport
 (Canada) Approved

IMPORTANT NOTE

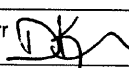
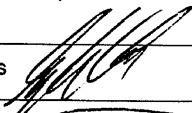
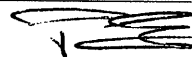
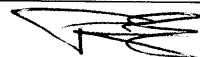
THE INFORMATION AND DATA CONTAINED IN THIS DOCUMENT SUPERSEDES OR SUPPLEMENTS THAT CONTAINED IN THE BASIC APPROVED FLIGHT MANUAL FOR THE AS 350 AND AS 355 HELICOPTER IN THOSE AREAS LISTED HEREIN. FOR LIMITATIONS, PROCEDURES AND PERFORMANCE NOT CONTAINED IN THIS DOCUMENT REFER TO THE APPROVED FLIGHT MANUAL AND OTHER APPLICABLE APPROVED FLIGHT MANUAL SUPPLEMENTS.

SECTIONS 2, 3, 4, AND 5 OF THIS DOCUMENT COMPRISE THE APPROVED FLIGHT MANUAL SUPPLEMENT. COMPLIANCE WITH SECTION 2, LIMITATIONS, IS MANDATORY.

SECTIONS 1 AND 6 ARE UNAPPROVED AND ARE PROVIDED FOR INFORMATION ONLY.

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH	
David, Genevieve	Digitally signed by David, Genevieve Date: 2020.06.08 12:58:00 -04'00'
APPROVED	
CERTIFICATE NO. <u>SH94-29</u>	
ISSUE NO. <u>- 11 -</u>	

THE INFORMATION CONTAINED IN THIS DOCUMENT SHALL BE TREATED AS THE PROPERTY OF AIRBUS HELICOPTERS CANADA LIMITED (AHCA). THE RECIPIENT OF THIS DOCUMENT SHALL NOT DISCLOSE ANY INFORMATION CONTAINED HEREIN TO THIRD PARTIES WITHOUT THE WRITTEN PERMISSION OF AHCA, AND SHALL NOT USE OR REPRODUCE THIS DOCUMENT IN WHOLE OR IN PART FOR ANY PURPOSE OTHER THAN ITS ORIGINALLY INTENDED PURPOSE, OR TO EVALUATE ITS CONTENTS.

	NAME AND SIGNATURE	DATE	COMPANY DEPARTMENT
PREPARED BY:	D. Kerr 	12 March 2020	AHCA ENGINEERING
PREPARED BY:			
CHECKED BY:	G. Krebs 	March 13 / 2020	AHI TEST PILOT
CHECKED BY:	P. Sharpe 	MAR 16 2020	AHCA ENGINEERING
REV. 7 ACCEPTED (Civil A/W Authority)			TCCA
REV. 7 RELEASED BY:	P. Sharpe 	JUN 11 2020	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 6	Original Issue	D. Kerr April 28, 2003	C. Timmins April 28, 2003	TCCA E. Cheung May 1, 2003	C. Timmins June 3, 2003
1	1 through 6	Page 6, revisions and corrections to Weight and Balance chart.	D. Kerr Feb 12, 2004	C. Timmins Feb 12, 2004	TCCA E. Cheung Feb 13, 2004	R. Manson 13 Feb, 2004
2	1 through 7	Pages 1, 2, 3, and 7. Addition of TOC, format changes, and revisions to Weight and Balance Chart.	D. Kerr June 9, 2004	C. Timmins June 9, 2004	TCCA E. Cheung June 24, 2004	R. Manson June 24, 2004
3	1 through 7	Pages 1 through 7, correction to header to add helicopter applicability.	D. Kerr June 29, 2004	C. Timmins June 29, 2004	TCCA E. Cheung August 3, 2004	R. Manson August 3, 2004
4	1 through 8	Figure numbers and Section 4 revised as per FAA request. Weight and Balance chart revised to include change to FWD bracket assy (Pages 4 to 8)	D. Kerr 10 April 2006	G. Krebs 11 April 2006	TCCA J. Palmer 17 July 2006	R. Manson 20 July 2006
5	1 through 9	Revised to incorporate both original and new FWD bracket assembly (short) design. (Pages 4 to 8)	D. Kerr 23 October 2006	G. Krebs 23 October 2006	TCCA J. Palmer 8 December 2008	R. Manson 11 December 2006
6	1 through 10	Template revised to incorporate company name change. Standard and Alternative Installation replace Configuration 1 and 2. Figures revised to show relocation of bead chain tether attachment. Addition of two new "Before the first flight of each day" checks. Weight and Balance Chart revised. (Pages 2 to 10)	D. Kerr 24 February 2017	G. Krebs 24 February 2017	TCCA G. Davidson 27 February 2017	P. Sharpe 10 March 2017
7	1 through 10	Correction to description in Weight and Balance chart. (Pages 6 and 10)	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).

Transport Canada Approved



AIRBUS HELICOPTERS CANADA LIMITED

FLIGHT MANUAL SUPPLEMENT
LEFT-HAND LITTER KIT
AS 350 / AS 355

CONTENTS

SECTION	TITLE	PAGE
1	GENERAL	4
2	LIMITATIONS	7
3	EMERGENCY PROCEDURES	7
4	NORMAL PROCEDURES	7
5	PERFORMANCE DATA	9
6	WEIGHT AND BALANCE	10

FIGURES

FIGURE	TITLE	PAGE
1	General Layout (Standard Installation)	4
2	General Layout (Alternate Installation, Short FWD Bracket)	5
3	Top view of Left- Hand Litter Kit	8

Transport Canada - Approved

1. GENERAL (unapproved)

The Left- Hand Litter Kit is located on the LH side of the cabin floor and is designed to carry one person on a portable stretcher loaded in the “feet forward” orientation with feet in the foot bag. The RH rear seat is available to carry medical personnel.

The Left- Hand Litter Kit installation (P/N 350- 200034) utilizes a FWD Bracket Assembly, with Toe Base, and a Toe Base Cover. Refer to Figure 1.

An alternate Left- Hand Litter Kit installation (P/N 350- 200194) utilizes a shorter FWD Bracket Assembly, and a corresponding Toe Base and Toe Base Cover. Refer to Figure 2. The alternate installation increases clearance for any equipment that may be located in the nose bay, for example: heating / air conditioning.

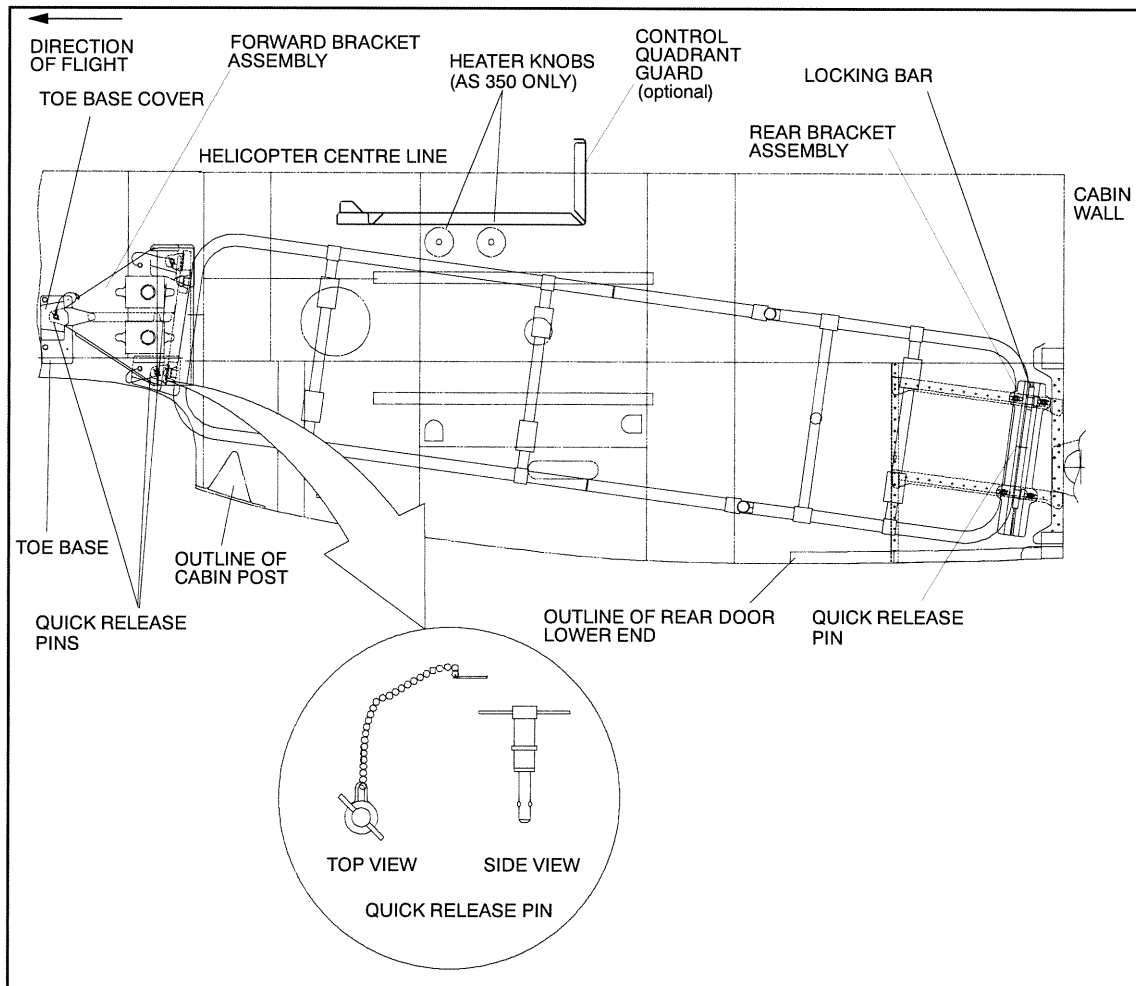


Figure 1 General Layout (Standard Installation)

Transport Canada Unapproved

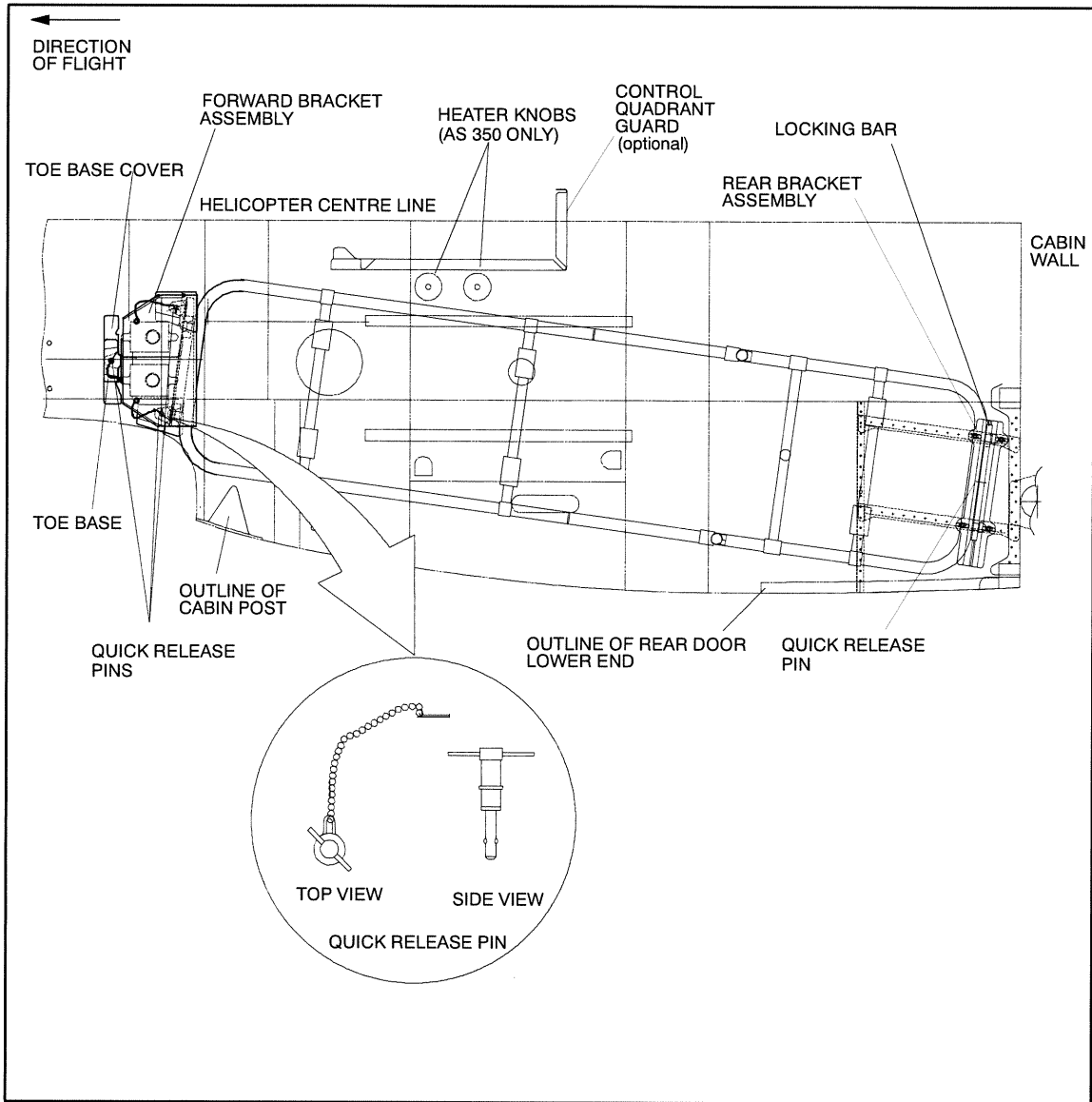
1. GENERAL (unapproved) (continued)


Figure 2 General Layout (Alternate Installation, Short FWD Bracket)

Transport Canada Unapproved

1. **GENERAL** (continued)

Abbreviations and Definitions

ABBREVIATION	DEFINITION
Acc'd	Accepted
AHCA	Airbus Helicopters Canada Limited
AHI	Airbus Helicopters Incorporated
AMM	Aircraft Maintenance Manual
App'd	Approved
A/W	Airworthiness
CAR	Canadian Aviation Regulations
DAPM	Design Approval Procedures Manual
FMS	Flight Manual Supplement
FWD	Forward
in	inch
kg	kilogram
lb	pound
LH	Left Hand
MET	Maintenance Manual
m	meter
P/N	Part Number
Rev.	Revision
RH	Right Hand
STC	Supplemental Type Certificate
TCCA	Transport Canada Civil Aviation

Transport Canada - Unapproved

2. LIMITATIONS

No change to existing approved Flight Manual.

3. EMERGENCY PROCEDURES

No change to existing approved Flight Manual.

4. NORMAL PROCEDURES**a. Before the first flight of each day**

The following check is to be carried out prior to the first flight of each day requiring the use of the Left-Hand Litter Kit:

Left-Hand Litter Kit	:	General condition, ensure there is no cracking, deformation or corrosion on any of the mounting brackets
Combination Chest/Waist Strap and leg Restraints	:	Damage or excessive wear; no damage or excessive wear permitted.
Operation of buckles	:	Ensure buckles operate correctly; proper releasing and engagement.
Inspect foot bag	:	Damage or excessive wear; no damage or excessive wear permitted.

b. Pre-Flight Check

The following check is to be carried out prior to every flight requiring the use of the Left-Hand Litter Kit:

Left-Hand Litter Kit	:	Check for security
----------------------	---	--------------------

Transport Canada Approved

c. Operation

1) Preparation of the Cabin. Refer to Figure 3.

NOTE: Before installing the litter, the following must be accomplished by qualified maintenance personnel:

- If optional dual controls installed, remove in accordance with the AS 350/355 MET. For the AS 350 B2/B3 refer to the AMM.
- If not already installed, install the rear bracket assembly.

The following must be accomplished by maintenance or flight crew personnel:

- Remove the stop at the back of the LH forward seat rail. Once removed, slide the copilot's seat aft and out.
- Remove the LH rear seat cushions.
- Release camlocs (2 places) from under the legs of the LH rear seat. Fold the legs and secure them to the clip underneath the seat. Fold the seat up against the bulkhead and secure with seat belts.
- Install the forward bracket assembly onto the bracket mounts and secure using quick release pins (3 places). Refer to Figures 1 and 2.

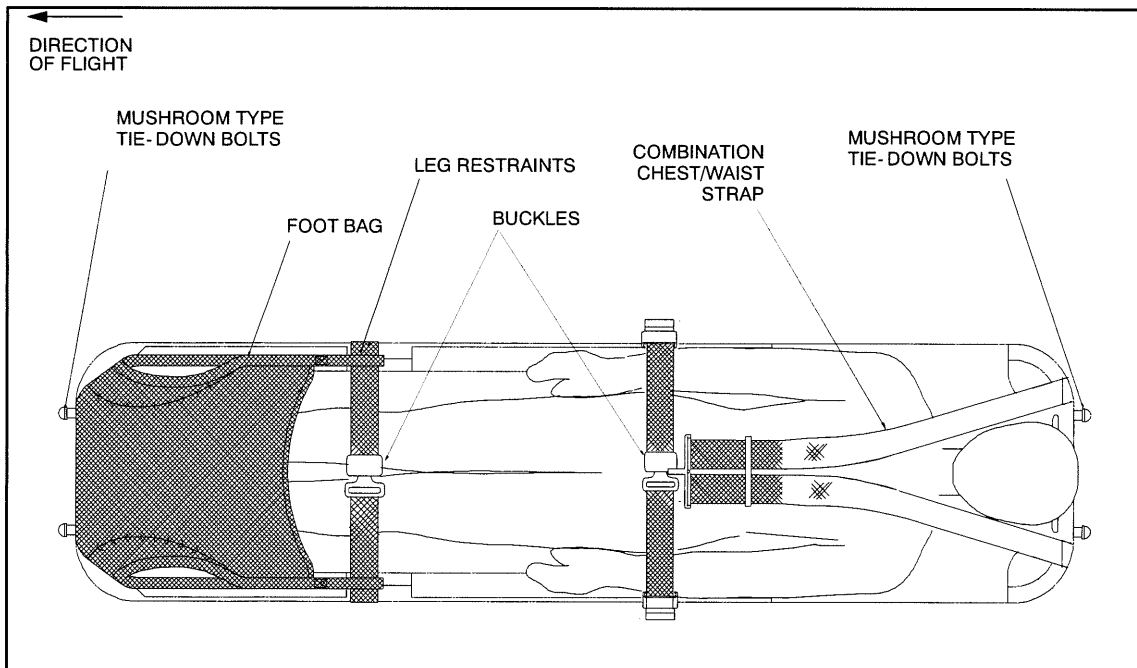


Figure 3 Top view of Left-Hand Litter Kit

Transport Canada Approved

c. **Operation** (continued)

2) Installing the Litter (refer to Figure 3)

- Open left side door(s).

NOTE: Patient must be loaded feet forward,
and feet must be in the foot bag.

- Load patient and litter. Insert forward litter mushroom type tie-down bolts into forward bracket assembly mounting holes. Refer to Figure 3.
- Slide aft litter mushroom type tie-down bolts into rear bracket assembly and secure using the locking bar and quick release pin. Refer to Figure 3.

Check patient : Must be restrained by litter straps and feet must be in foot bag.

Check litter : Locked and secure.

3) Remove the Litter and Provisions (refer to Figure 3)

- Remove in the reverse order of installation. Refer to Sections 4.c.1 and 4.c.2.

NOTE: Rear bracket assembly may remain installed.
Secure the locking bar onto the rear bracket
assembly using the quick release pin for storage.

NOTE: If dual controls are not required, the following may remain:

- forward bracket assembly installed

5. PERFORMANCE DATA

No change to existing approved Flight Manual.

Transport Canada Approved

AIRBUS HELICOPTERS CANADA LIMITED
6. WEIGHT AND BALANCE (unapproved)

Total changes to weight and balance resulting from this modification are covered in the applicable Instructions for Airworthiness.

Items that are removed between routine operations:

NOTE: This Weight and Balance Chart is applicable to Standard Installation.

DESCRIPTION	WEIGHT		ARM		MOMENT	
	kg	lb	m	in	m kg	in lb
LH FWD Seat	- 10.6	- 23.4	1.61	63.4	- 17.1	- 1484.0
LH Litter	11.00	24.3	1.50	59.1	16.50	1436.1
FWD Bracket Assembly	0.75	1.6	0.72	28.3	0.54	45.3
Rear Bracket Assembly	0.95	2.1	2.60	102.4	2.48	215.0
Control Quadrant	0.30	0.7	1.66	65.4	0.50	45.8

NOTE: This Weight and Balance Chart is applicable to Alternate Installation, Short FWD Bracket.

DESCRIPTION	WEIGHT		ARM		MOMENT	
	kg	lb	m	in	m kg	in lb
LH FWD Seat	- 10.6	- 23.4	1.61	63.4	- 17.1	- 1484.0
LH Litter	11.00	24.3	1.50	59.1	16.50	1436.1
FWD Bracket Assembly, Short	0.51	1.1	0.75	29.5	0.38	32.5
Rear Bracket Assembly	0.95	2.1	2.60	102.4	2.48	215.0
Control Quadrant	0.30	0.7	1.66	65.4	0.50	45.8

NOTE: The LH FWD seat must be removed to enable installation of the LH Litter Installation. If litter is removed the seat does not need to be re-installed.

Transport Canada Unapproved