

SUBJECT:

Required maintenance for the Installation of Removable Pins for Hinged Door (P/N 145-201014).

APPLICABILITY :

Aircraft with the subject modification embodied in accordance with TCCA STC No. SH17-47 or any relevant foreign approvals.

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RECORD OF REVISIONS

Rev.	Pages at this Revision	Description, Reason Changed Pages	Prepared (name and date)	Checked (name and date)	App'd/Acc'd (Civil A/W Authority) (name and date)	Released (name and date)
0	1 through 12	Original Issue	D. Kerr 31 Oct. 2017	D. Kapuscinsky 2 Nov. 2017	TCCA G. David 8 Dec. 2017	P. Sharpe 11 Dec. 2017
1	1 through 12	Addition of BK117 D-3 aircraft model. Text revised in Section 2, Airworthiness Limitations. (Pg. 8)	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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1. GENERAL

- A. The Installation of removable pins for hinged door is utilized on the LH or RH or both doors to provide a "tool free" means to remove and reinstall the hinged doors. Pip pins replace the existing bolts and a spacer clip fits over the existing lower door fitting to replace the existing washers that are no longer used. Safety pins slide through holes in the bottom of the pip pins providing additional security. A Lanyard attached to each pip pin prevents the safety pin from being misplaced. Refer to General Layout, Figure 1.

The Installation of removable pins for hinged door is installed in accordance with Master Drawing List MDL- 17- 001.

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

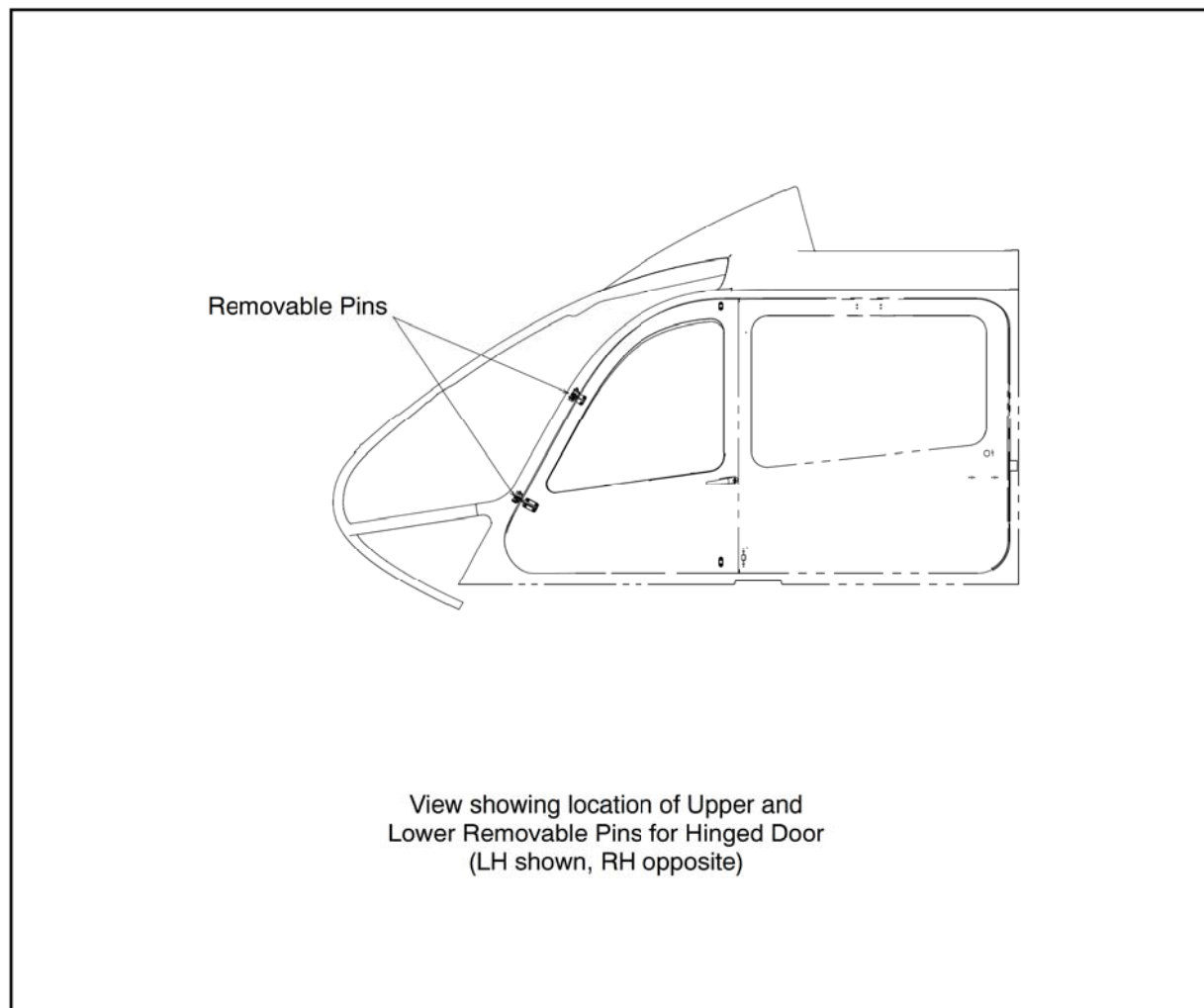


Figure 1 General Layout

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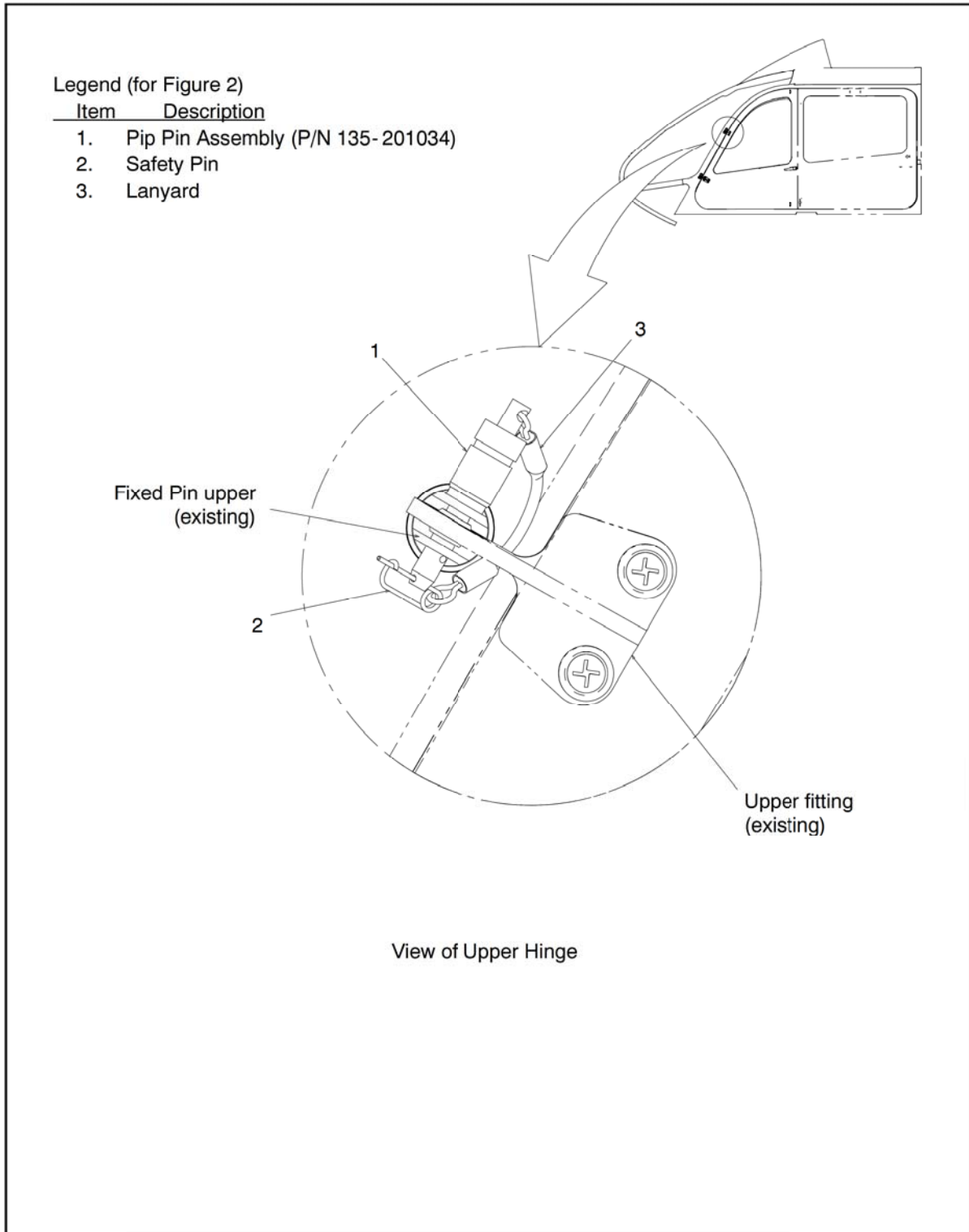


Figure 2 Detail of Upper Hinge

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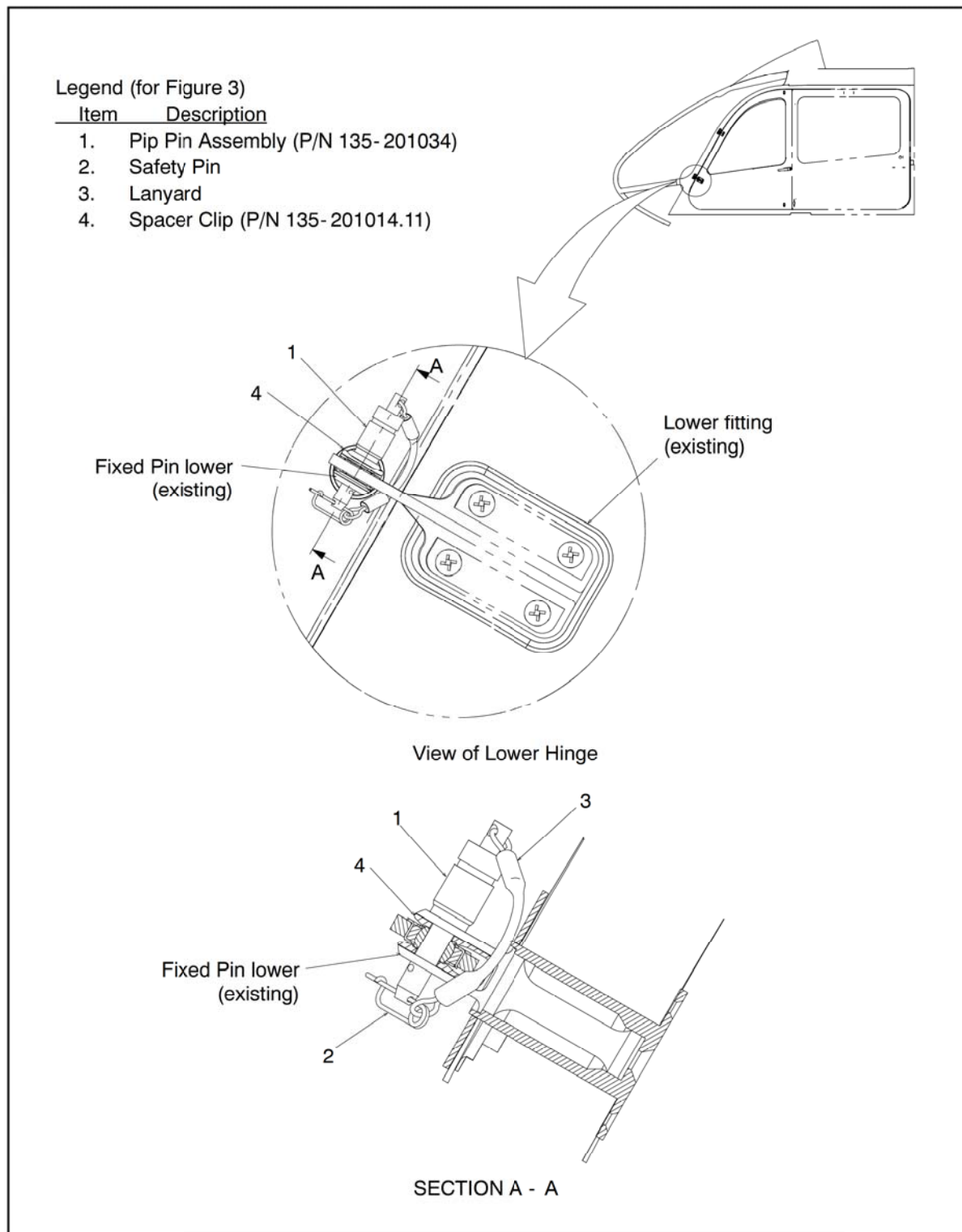


Figure 3 Detail of Lower Hinge

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C. REFERENCES

DOCUMENT	DOCUMENT TITLE
AMM	Aircraft Maintenance Manual
MTC	Standard Practices Manual

D. ABBREVIATIONS & DEFINITIONS

ABBREVIATION	DEFINITION
Acc'd	Accepted
AHCA	Airbus Helicopters Canada Limited
App'd	Approved
App	Appendix
A/W	Airworthiness
CAR	Canadian Aviation Regulations
DAPM	Design Approval Procedures Manual
FAA	Federal Aviation Administration
ICA	Instructions for Continued Airworthiness
LH	Left Hand
MDL	Master Drawing List
P/N	Part Number
ref.	reference
Rev.	Revision
RH	Right Hand
STC	Supplemental Type Certificate
TCCA	Transport Canada Civil Aviation

E. UNITS OF MEASUREMENT

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

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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 per Article II of the Bilateral Aviation Safety Agreement (BASA 2000) and Section III, Para. 3.2.2 of the implementation procedures, 2008 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.

EASA Approval

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

No Airworthiness Limitations associated with this installation.

Transport Canada Approved

3. CONTROL AND OPERATION

Control and operation of the aircraft remain unchanged.

4. INSPECTION SCHEDULE AND MAINTENANCE ACTION
4.1. INSPECTION SCHEDULE

4.1.1. Every 12 months (to coincide with the 12 month helicopter inspection):

ITEM	INSPECTION OR MAINTENANCE WORK	CORRECTIVE ACTION
A	- Check pip pin assembly, item 1, in Figures 2 and 3 for: a. security	a. Ensure safety pin, item 2, is secured to bottom of pip pin assembly. Refer to Figures 2 and 3.
B	- Visually inspect the pip pin assembly, item 1, in Figures 2 and 3 for: a. corrosion b. function	a. No corrosion is allowed. If corrosion is evident, contact AHCA for replacement part. b. Ensure smooth movement of the pin when depressing the pushbutton.
C	- Check lanyard, item 3, in Figures 2 and 3 for: a. security b. wear (areas have become worn)	a. Ensure lanyard is secure at attachment points. b. Wear is not permitted. If wear is evident, contact AHCA for replacement parts.
D	- Visually inspect spacer clip, item 4, in Figure 3 for: a. corrosion	a. No corrosion is allowed. If corrosion is evident, contact AHCA for replacement part.

Table 1 Inspection Schedule and Maintenance Action
 Every 12 months

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5. OVERHAUL REQUIREMENTS

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

For replacement components:

Airbus Helicopters Canada Limited
1100 Gilmore Road, P.O. Box 250
Fort Erie, Ontario L2A 5M9 Canada
Telephone: (905) 871-7772

Website: www.airbushelicopters.ca

6. TROUBLESHOOTING

There are no unique characteristics which require special troubleshooting techniques.

7. SPECIAL TOOLING

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

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8. REMOVAL AND REPLACEMENT

NOTE: Removal is identical for both LH and RH hinged doors.

A. REMOVAL
1) UPPER AND LOWER REMOVABLE DOOR PINS (Refer to Figures 2 & 3)

- a) With the door open, remove the stay damper. Remove stay damper in accordance with AMM, Chapter 52- 11- 00, 4- 2.
- b) Remove safety pins (2) from the bottom of the pip pin assemblies (1, 2 places). Depress top of each pip pin assembly (1) and remove.
- c) Remove the door.

NOTE: Spacer clip (4) will come away with lower door fitting.

B. REPLACEMENT
1) UPPER AND LOWER REMOVABLE DOOR PINS (Refer to Figures 2, 3 and 4)

- a) Position door with spacer clip (4) attached over the lower door fitting hole.

NOTE: Ensure correct alignment of spacer clip into the existing fixed pin lower. Refer to Figure 4.

- b) Insert both pip pin assemblies (1) and secure using safety pins (2).
- c) Install the stay damper in accordance with AMM, Chapter 52- 11- 00, 4- 2.

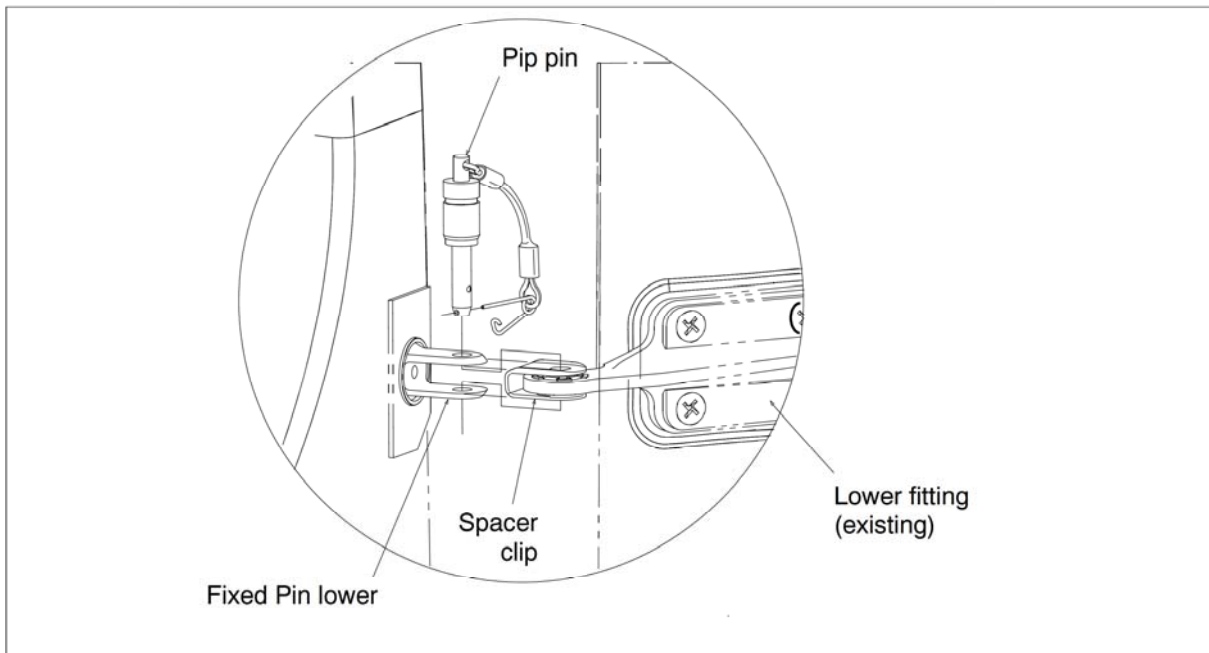


Figure 4 Replacement detail showing spacer clip alignment into pin lower

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9. WEIGHT AND BALANCE DATA

No change.

10. PLACARDS AND MARKINGS

There are no Placards and Markings with this modification.

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