

Safety Recommendation 2016-049

It is recommended that Textron Aviation informs operators of Cessna 300 and 400-series aircraft of the actions required to ensure that the set screw, which retains the main gear downlock pin, is properly installed in the side brace downlock link and, in addition, amends the aircraft maintenance manuals to include this information.

Date Safety Recommendation made:

4 August 2016

LATEST RESPONSE

Response received:

6 May 2019

Regarding AAIB Safety Recommendation 2016-049, Textron Aviation believes that adequate measures have already been taken to ensure the continuous airworthiness of 401/402 model airplanes equipped with the down lock pin and set screw identified in the safety recommendation.

The maintenance manuals for Cessna models 421 thru 421B, 414, 401/402, 335, 340, and 3 I0R contain instructions to either stake or safety wire the set screw and include the note to ensure that the arrow on the end of the pin is aligned towards the set screw.

Through research it was discovered that the following Maintenance Manuals do not contain the note for aligning the arrow on the pin towards the set screw, nor do they contain instructions to either stake or safety wire the set screw in place:

310 thru 31 OD (P 150 Revision 6)

31 OF thru 31 OK (D455 Revision 5)

3 I0L thru 3 ION (D526 Revision 3)

31 OP thru 31 OQ (D872 Revision 10)

320 thru 320C (D247 Revision 3)

320D thru 320F (D508 Revision 3)

411 and 41 IA (D609 Revision 6)

Technical Publications has been notified of this and is incorporating the changes for these maintenance manuals into revisions that are currently being worked. These changes will add instructions to secure the set screw and either stake or safety wire the set screw, similar to the 401/402 service manual instructions. They will also include the note to ensure that the arrow on the pin is aligned towards the set screw. These changes will be completed and published to the field in June 2019.

AAIB Assessment – Adequate - Closed

RESPONSE HISTORY

N/A