

DATE: 9 November 2021

REVISION: Orig.

SUBJECT: Main Landing Gear Bolt Inspection and Adjustment

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1. SERIAL NUMBERS AFFECTED

Tarragon aircraft with serial numbers from T20XXXX001 to T20XXXX025 inclusive.

2. PURPOSE

Main landing gear side strut connecting bolt inspection and adjustment.

3. BACKGROUND

Reports have been received of main landing gear side strut bolts becoming loose over time. Left uncorrected, this condition could cause the main landing gear to not fix in down or up position, leading to unsafe landing conditions with partially extended landing gear.

By complying with this service bulletin, the aircraft safety will be improved.

4. COMPLIANCE TIME

Visual inspection - during the next preflight inspection.

Adjustment and secure installation - within the next planned inspection.

5. INSTRUCTIONS:

In order to visually inspect the main landing gear side strut bolts, only the inspector/pilot needs to get under the wing. In order to adjust and ensure secure installation of the bolts, they must be removed from the landing gear. Repeat the visual inspection procedure A for both wings before flight. Perform procedure B to adjust and securely install the bolts for both main landing gears. Procedure C describes completion of the task.

A. Visual Inspection of the Side Strut Bolts

1. Get under the wing from the front.
2. Visually inspect if the both bolts shown in Figure 1 are tight. Torque seal must be intact (colored line not broken).
3. If any bolt is not tight and/or the torque seal indicates the bolt has moved, do not fly. Proceed to procedure B to fix the issue.
4. Repeat the procedure for the other main landing gear.

B. Adjustment and Secure Installation of the Bolts

1. Place the aircraft on a jack stand. Use two under the wings and one under the tail.
2. Get under the wing from the front.
3. Remove two bolts shown in Figure 1.
4. Clean the bolts to ensure there is no oil, dirt, sealant or paint on the treads.
5. Apply a few drops of Loctite Blue on the end of the bolt.
6. Put the bolt back in place and twist to secure it.
7. Use torque seal paint to mark the secured location of the bolt (as in Figure 1).
8. Let the Loctite fully cure for 24 hours before removing it from the jack stands.
9. Repeat the procedure for the other main landing gear.

C. Completion

1. After letting Lotite to cure for 24 hours, check that bolts are tight and torque seals are in place.
2. Remove aircraft from the jack stands.
3. Make a log book entry to note the inspection performed referencing this service bulletin and return aircraft to service.

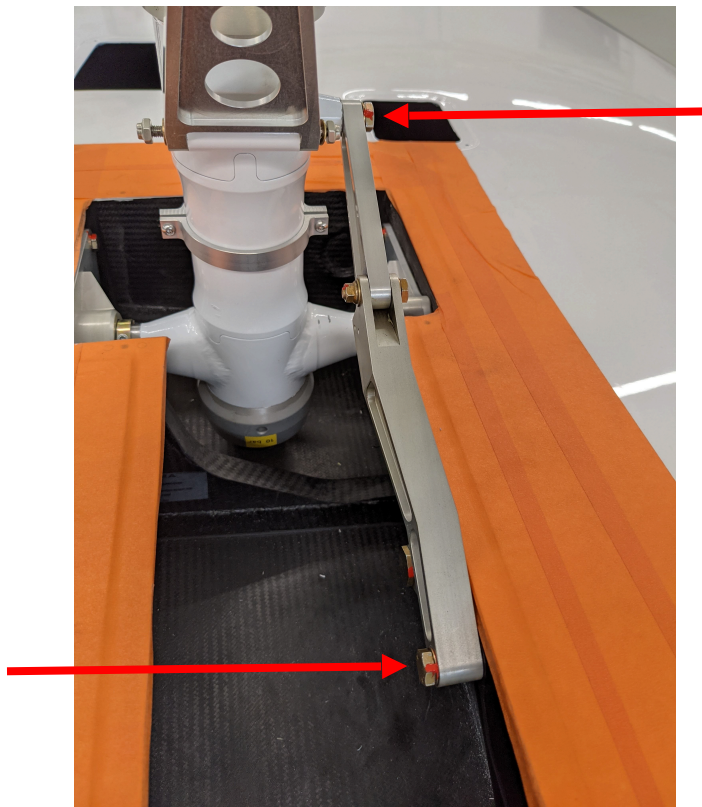


Figure 1 Bolt locations

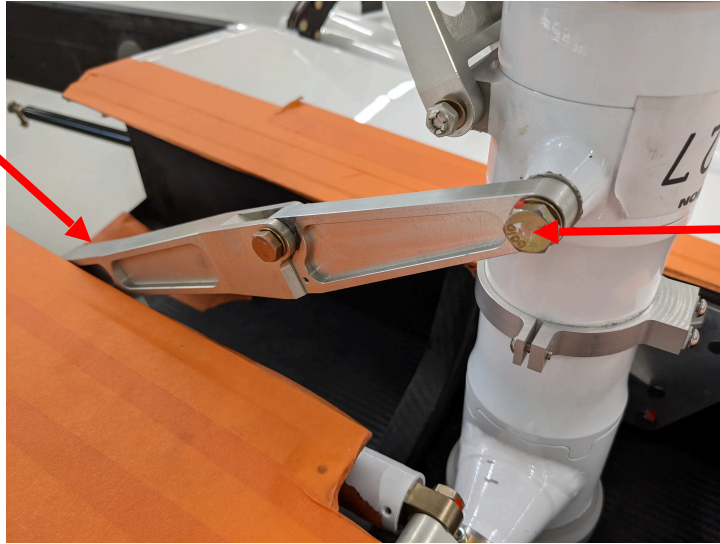


Figure 2 Front view

6. MATERIALS / TOOLS REQUIRED

Special Tools - 3 aircraft jack stands.

Materials:

1. Loctite Threadlocker Blue 242 or similar.
2. Dykem Cross Check Torque Seal / Loctite 7414 Torque Marque or similar.

7. MANPOWER

Required 1 men with an approximate total time of 0.5 man-hours.

8. MASS (WEIGHT) and CG

Effect on mass (weight) and CG is none.

9. EFFECTIVY DATE

This Service Bulletin is effective as of the release date.

10. SUMMARY

This Service Bulletin provides the information for inspection and adjustment of landing gear side strut bolts. Total of 4 parts are subject to inspection and adjustments.

Please contact Pelegrin in case of any doubt or questions.

Note:

Please notify Pelegrin of any ownership/contact corrections. Changes should include aircraft serial number, current owner's name and contact information.

Corrections and/or changes should be directed to:

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