
Issued by the Civil Aviation Authority of New Zealand in accordance with section 72I(3A) of the Civil Aviation Act. An Airworthiness Directive (AD) contains regulatory information which is mandatory. An operator of an aircraft must not operate the aircraft unless the operator complies with every applicable AD issued by the Director in accordance with section 72I(3A) of the Civil Aviation Act. An AD is issued where the Director believes on reasonable grounds that an unsafe condition exists in an aircraft or aeronautical product.

DCA/FBA/5 Control Arm and Yoke Assembly Sprockets – Inspection

- Applicability:** FBA-2C1, FBA-2C2, FBA-2C3 and FBA-2C4 aircraft, all S/N delivered after November 2012; and
FBA-2C1, FBA-2C2, FBA-2C3 and FBA-2C4 aircraft, all S/N fitted with a Sprocket P/N C446 received and installed in the control arm and yoke assembly after November 2012; and
Sprockets with P/N C446 received after November 2012 as spare parts.
- Requirement:** To ensure the integrity of the aileron control chain sprockets, accomplish the following:
Remove the four sprockets in the control arm and yoke assembly and inspect the sprockets to determine if a non-metallic sleeve is fitted in the sprocket bore.
Accomplish this requirement in accordance with the instructions in Pacific Aerospace Mandatory Service Bulletin (MSB) PACSB/2C/002 issue 1, dated 20 September 2022, or later approved revision.
If a non-metallic sleeve is found fitted in the sprocket bore, then replace the affected sprocket with an acceptable part in accordance with the instructions in Pacific Aerospace MSB PACSB/2C/002, before further flight.
If a non-metallic sleeve is not found fitted in the sprocket bore, then no further AD action is required.
- Compliance:** Before further flight.
- Effective Date:** 23 September 2022
- Background:** This AD is prompted by reports of cracks found initiating at the roll pin holes in Sprocket P/N C446 fitted with a non-metallic sleeve. The affected batch of sprockets were manufactured with a non-metallic sleeve insert in the sprocket bore. To ensure the integrity of the aileron control chain sprockets Pacific Aerospace has issued Mandatory Service Bulletin (MSB) PACSB/2C/002 issue 1, dated 20 September 2022.