
SERVICE BULLETIN

BLACK MAX HYDRAULIC DISC BRAKE UNITS

SERVICE BULLETIN NUMBER: BX 03 ISSUE 1

DATE: 09/01/08

TO: AIRCRAFT OWNERS WITH BX-1320 DISC BRAKES

CC: TECHNICAL MANAGER, RA AUS

FROM: FREEBIRD AVIATION A'ASIA (AUSTRALASIAN DEALER)

SUBJECT: WHEEL BEARING GREASE

- 1. Applicability:** BX-1320 Brake Kit - wheel bearings.
- 2. Purpose:** The purpose of this Bulletin is to alert maintainers and operators of aircraft fitted with FBI Black Max BX-1320 Hydraulic Disc Brake Units of the requirement to **a)** jack the aircraft; **b)** remove the Main Landing Gear (MLG) wheels; remove the wheel bearings (4 off) from the Wheel Hub Assemblies; **c)** gently remove the seals from both sides of the bearings by prying the seals out of their grooves with a fine watchmaker's screwdriver; **d)** wash out all traces of grease by using a suitable solvent; **e)** rotate each bearing to ensure there is no rough feel; **f)** pack bearings with *Molybond Opal Hi-Load Grease*, rotate bearings whilst packing to ensure grease is forced in and around the balls; **g)** carefully refit seals to bearings; refit bearings into Wheel Hub Assemblies; **h)** fit wheels back onto the MLG; **i)** check brake system for correct operation.
- 3. Background:** The bearings that are the subject of this Service Bulletin are fitted to Black Max Brake Kits with $\frac{3}{4}$ inch axles. It has been found that the bearing supplier has used a minimum of grease to lubricant the bearing. For operation in hotter climates, it is recommended to change the grease. To date, there has been no reported in-service defects.
- 4. Recommendation:** Advise Freebird Aviation Australasia of any rough rotating wheel bearings for airworthiness management.
- 5. Enquires:** About this Service Bulletin, contact Mobile 0427 406 725 or email to freebirdaviation@netscape.net.
- 6. Supplies of:** *Molybond Opal Hi-Load Grease* – contact ITW Polymers & Fluids, Australia on Toll Free: 1800 063 511, for NZ customers: 0800 476 265 or online @ <http://www.rocol.com.au/driver.asp?page=main/contacts> to locate your nearest Molybond supplier.