

FALCON SERVICE ADVISORY

FSA2000-80-00-08

Engine Air Starter: Oil Servicing

Aug 27, 08

Origin: Field

Status: Closed

Classification: Maintenance

? REASON

Some returned engine air turbine starters (ATS) P/N 3505656-5 or 3505656-6 revealed damage to bearings and internal gears due to a lack of lubrication, resulting either from an under or over oil servicing.

i INFORMATION

- Over-servicing of the ATS would increase the internal gear housing pressure, potentially resulting in damage to the seals, leading to oil leaks.
- Should the starter run without oil, it may fail due to overheat of the bearings and internal gears.

Oil under or over servicing may be linked to difficulty for the operator properly reading the starter oil level, due to contamination of the starter oil tank glass resulting from the normal wear of the starter carbon seals.

As a consequence, Maintenance Procedure 80-002 ("Draining and filling of air starter oil level") has been updated to recommend the cleaning of the starter oil tank sight glass in case the oil level is not visible through the window, thus preventing improper servicing.

Dassault also reminds operators to take necessary precautions when performing MP 80-002, as the "FULL" scale on the sight glass of the air starter oil tank is different whether the air starter is fitted on the left-hand or the right-hand engine.

To limit metal chip contamination resulting from the normal wear of the unit and further improve the durability of the internal component, the periodicity of the air turbine starter oil servicing in accordance with MP 80-002 has moved from the 3A inspection to the A inspection.

All these changes are included in the FIELD documentation release, dated June 2008.