



SERVICE BULLETIN

TO : All AS350 Owners/Operators
FROM : FDC/aerofilter Engineering
SB NUMBER : SB.FDC.AS350.0002
ORIGINAL SB NO. : SB AS350-02
CATEGORY : Mandatory Service Bulletin
EFFECTIVITY : AS350 Helicopters¹ equipped with Engine inlet Air Filter System per STC SR00811SE or SR01049SE (FDC P/N 1350IN1-1, -7 or -9; S/N: 1 thru 77)
DATE : August 28, 2002

Relocation of Bypass Door Power

1.0 BACKGROUND

Relocation of bypass door circuit power from 1350A11-11 Panel Assembly to PP6 fuse panel with other circuit protective devices for commonality.

2.0 COMPLIANCE

Mandatory Service Bulletin

3.0 COMPLIANCE TIME

1. Within 60 hours flight time OR
2. 60 days

Whichever comes first

4.0 SPARES KIT AVAILABILITY

None applicable

¹ Model	Engine	Installation
D, D1	Lycoming LTS-101-600A-2	Factory
D	Lycoming LTS-101-600A-3	STC SH5815SW
D	Lycoming LTS-101-600A-3A	STC SR00772SE
BA	Lycoming LTS-101-600A-3A	STC SR00772SE or STC SR00805SE
B, B1, B2, BA, B3	Turbomeca Arriel	Factory

5.0 INSTALLATION TIME

Est. 1 man-hour.

6.0 WEIGHT & BALANCE

Not affected

7.0 FLIGHT MANUAL REVISION

Yes. RFMS 1350-1200 revision C or later FAA approved revision per STC SR00811SE or SR01049SE.

8.0 DOCUMENTS

None

9.0 INSTALLATION INSTRUCTIONS

Refer to the applicable Eurocopter AS350 Maintenance Manual, Wiring Diagram Manual and Parts Catalog as required to comply with this Service Bulletin

A. MODIFICATION

- (1) Remove power from aircraft.
- (2) Gain access to Fuse Panel and BUSBAR PP6, refer to Figure 1.
- (3) Identify fuse location No. 78² and install one (1) standard Eurocopter 2.5 AMP Fuse³.
- (4) Identify and mark 2.5 AMP fuse as “ENG ALT AIR POWER” using DECAL P/N 1350E1-201.
- (5) Relocate wire 3509A20 to connection strip 27Δ 2² terminal 15 associated with fuse installed in step 3 (Reference AS350 Wiring Diagram Manual Chapter 39 and Figure 1).
- (6) Close panel per AS350 Maintenance Manual.

B. FUNCTIONAL CHECK

- (1) Ensure “ENG ALT AIR” switch on Panel Assembly is in guarded position (CLOSED).

² If this fuse location is unavailable, use next available location and associated connection strip and terminal. Reference AS350 Wiring Diagram Manual Chapter 39.

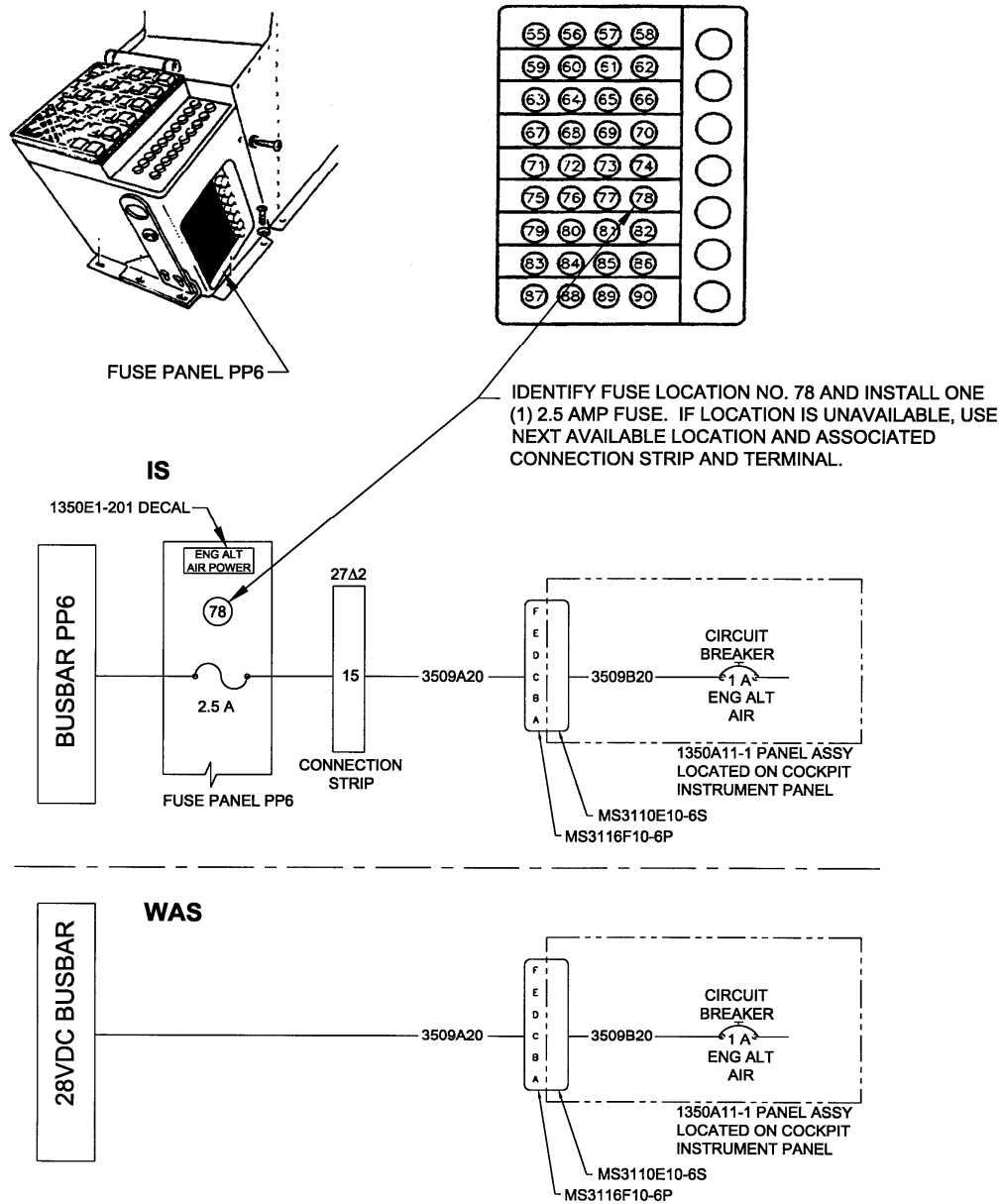
³ Eurocopter P/N: D1-2-5.

- (2) Apply power to aircraft.
- (3) Reset "ENG ALT AIR" circuit breaker on Panel Assembly.
- (4) Set Engine Alternate Air Switch to OPEN.
- (5) Verify that both bypass doors fully open.
- (6) Set Engine Alternate Air Switch to CLOSE.
- (7) Verify that both bypass doors fully close.
- (8) Turn on instrument lights and ensure that post lights function properly on bright and dim.
- (9) This completes the functional check.

C. LOG BOOK ENTRY

- (1) Upon completion of this modification, make an appropriate maintenance entry in the log book similar to "Accomplished FDC Service Bulletin No. AS350.0002 on (date) by (name), number/stamp."

Figure 1 – Fuse Panel and Busbar PP6 Wiring for Inlet Air Filter System



FDC Engineering

R. E. Goulden

Russell Goulden
Vice President



SERVICE BULLETIN COMPLIANCE NOTIFICATION

SB.FDC.AS350.0002

TO : FDC Engineering
FROM :
COMPANY :
AIRCRAFT : S/N(s)
PHONE :
FAX :
EMAIL :
DATE :

I have fully complied with FDC SB.FDC.AS350.0002

NAME :
POSITION :
A&P NO :
DATE :

SIGNED :

MAIL TO : FDC Engineering
Filtration Development Company LLC
8 Digital Drive, Suite 104.
Novato, California 94949

OR EMAIL : SBFDCAS3500002@fdcaerofilter.com

OR FAX : 415-884-0505