

FLIGHT MANUAL SUPPLEMENT SCAA No: M2325/18

**Modification according to MVFK-02 of Scottish Aviation Bulldog
Series 100 Model 101 Version D**

Performed by IAPS

AIRCRAFT REGISTRATION: SE-MEK

AIRCRAFT SERIAL NUMBER: 188

This supplement shall be attached to the Flight Manual when the conversion is accomplished.
For limitations, procedures and performance information not contained herein, consult the
basic Flight Manual and applicable supplements.

SCAA (Swedish Civil Aviation Administration) approves this supplement.

Norrköping Sweden Date:

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Section 0

INTRODUCTION

Contents of the Royal Swedish Air Force modification to aircraft type Bulldog series 100 model 101 in chronological system.

Introduction of gyrosyn compass and gyro slaving equipment.

Introduction of new type of turn and slip indicator (electrical).

Introduction of new VHF-communications transceiver, transponder, encoder, clock and introduction of ELT 406 (Emergency Location Transmitter).

Introduction of transponder and new dial for the altimeter, vertical speed indicator and speed indicator to the measurements foot, foot per min and knot.

Modifications in purpose to transfer SK61.070 (the Royal Swedish Airforce registration number) to the civil register as Bulldog (Series 100, Model 101). The modification consists of the following items:

- Introduction of a horn for the artificial stall warning system.
- Introduction of wing-flap position indicator
- Relocation of the wing-flap control
- Modification of the "Supply system control equipment and circuits" by separate the stall warning and boost pump system by two different circuit breaker
- Modification of the control lock, i a w locking the left side control column with safety belt harness
- Introduction of a amplifier to the VHF-com system reference to increase the system reliability
- Introduction of alternative static source
- Introduction of placards and labels.

MVFK changes

Change of VHF transceiver from Becker AR2010 to Becker AR6201 (8,33kHz) (MVFK 2017-01)

Change from NiCd battery to Pb battery (MVFK 2017-02)

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Scottish Aviation Bulldog Series 100 Model 101 Version D

Section 1 GENERAL

The following additions or changes are made to the information contained in supplement No 1 in the Approved Flight Manual Doc. No. SH.3.1.

Applicability

This supplement applies to Scottish Aviation Bulldog Series 100 Model 101 Version D modified according to MVFK-02 (Change of aircraft battery cells).

Section 2 LIMITATIONS

No change

Section 3 EMERGENCY PROCEDURES

No change

Section 4 NORMAL PROCEDURES

No change

Section 5 PERFORMANCE

No change

Section 6 WEIGHT AND BALANCE

The influence on weight and balance characteristics is shown in the table below.

Weight and Balance change:

Item	Installation instructions	Cg. Stn [In]	Weight [kg]	Moment [kg · cm]
NiCd Battery removal	MVFK 2017-02	4,0	-17,2	-68,8
Pb Battery mount	MVFK 2017-02	4,0	16	+64

“Airplane Mass & Balance Data Sheet” is updated with these figures.

Section 7 DESIGN FEATURES

Electrical system

The battery fitted is of Pb type with a 16Ah capacity.