

Subject: Extension and starting of the engine (fast method)

Effectivity: DG-400 serial no 4-1 to 4-88, 4-90, 4-91
Within 30 days

Accomplishment: It happened to some pilots in stress situation to switch on the ignition before the engine was completely extended. By this the extension was stopped and the starter not activated.

For this reason the wiring is to be modified to allow extension with the ignition on. The ignition may be switched on during extension and the starter button already pressed to start the engine automatically when fully extended. Due to this method the time to extend and start the engine will be shortened by some seconds and the possibility of misoperation reduced.

Retraction of the engine with ignition on via the retraction switch at the control stick is not possible, as the propeller position sensor is not supplied with power when the ignition is on and so blocks the retraction relay.

- Instructions:
1. Change of manual pages,
flight manual, page 13, 35;
maintenance manual, page 20, diagr. 9.
 2. Change of wiring
 - a) Remove the instrument panel cover (6 screws).
 - b) Look for junction with cable 47 which comes up within the loom in front of the right side of the instrument panel.
 - c) Cut away the insulation of the junction; plug of cable 47; insulate the junction with insulating tape.
 - d) Screw of and pull out the switch Avionik-engine from the instrument panel.

- e) Solder the cable 472 r (supplied by Glaser-Dirks) to the contact pin where cable 21 is connected.
- f) Plug cable 472 r and 47 r together and insulate this connection with insulating tape.
Mount the switch again.
- g) Function-test
 - 1. Switch to Avionik. It should not be possible to extend or retract the engine via the switch at the control stick.
 - 2. Switch to Avionik + engine.
It must be possible to extend the engine with the ignition either on or off.
Retraction should only be possible with ignition off and the propeller ligned up.
- h) Extension and starting the engine in flight: follow the procedure flight manual page 35 point 6.

Remarks:

This instructions may be executed by a licensed work shop or by a licensed inspector and are to be entered in the logbooks mentioning TN 826/9.

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Wicheln

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Spore

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