

OPTIONAL SERVICE BULLETIN

NO. OSB-40-050

I TECHNICAL DETAILS

I.1 Category

Optional.

I.2 Airplanes Affected

Type: DA 40

Serial Numbers: KAP140 equipped DA 40
(OÄM 40-061 or OÄM 40-080 carried out)

I.3 Date of Effectivity

30-Oct-2006

I.4 Time of Compliance

At owner's discretion.

I.5 Subject

Installation of external static pressure source for KAP140 autopilot system.

I.6 Reason

Pressure anomalies with the existing KAP140 static source may cause autopilot pitch oscillations during climb and descent. An alternate fuselage external static source can be installed to eliminate these oscillations.

I.7 Concurrent Documents

None

I.8 Approval

The technical information or instructions contained in this document relate to the Design Change Advisory No. OÄM 40-267 which has been approved under the authority of EASA Design Organization Approval No. EASA.21J.052.

The technical content of this document has been approved under the authority of DOA No. EASA.21J.052.

I.9 Accomplishment/Instructions

- a. Comply with WI-OSB-40-050, latest effective revision.

I.10 Mass (Weight) and CG

Additional Mass	+1.04 kg (2.3 lb)
Additional Mass CG	+2.77 m (109 inches)
Additional Mass Moment	+2.87 kg·m (250 lb·inches)

II PLANNING INFORMATION

II.1 Material & Availability

WI-OSB-40-050 and needed parts are available through DAI.

II.2 Special Tools

Locating Template D60-5301-01-VR/1
1.5mm drill bit x 76mm

II.3 Labor Effort

8 hours.

II.4 Credit

None.

II.5 Reference Documents

WI-OSB-40-050, latest effective revision.

III REMARKS

1. All measures must be carried out by the manufacturer, a certified aircraft station or a certified aircraft mechanic.
2. Accomplishment of the measures must be confirmed in the log book.
3. In case of any doubt, contact Diamond Aircraft Industries.