

## SERVICE BULLETIN

No. 400-01-01

### Compliance recommended

- Subject:** Alternative engine & fuel indicating gauges and annunciator & dimming panel
- Affected Aircraft:** EA-400 SN 03 through 17, 19, 20
- Purpose:** To announce the availability of replacement engine indicating, fuel quantity indicating gauges, annunciator panel and appropriate sensors for aircraft equipped with system components manufactured by Moritz Corporation Perkasio, PA 18944. Replacement of any single alternative component will require the replacement of the entire alternative system components as indicated in the service kit.
- A service kit is available for installing the new Moritz engine indicating, fuel quantity indicating system, annunciator and certain sensor probes as well as a separate dimming panel on in-service airplanes.
- Approval:** These information or instructions relate to change no. AM400-01-02 which has been approved by the Authority. The technical information contained in this document has been approved under the authority of JAA Design Organisation Approval no. LBA.NJA.010.
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- Compliance Time:** Recommended: Should be accomplished whenever a standard system component requires replacement; or earlier if so desired.

**Material:**

The following are available from Extra Flugzeugbau Parts Distribution.

<u>Kit Number</u>	<u>Description</u>	<u>Qty/Airplane</u>
400-01-01	Moritz replacement Kit	1

**Accomplishment Instructions:**

Accomplish installation in accordance with Service Kit 40001-01, Moritz instruments replacement kit.

Designation	Manufacturer	P/N	Qty	Remark
Engine Instrument Cluster 1	Moritz	A0535 / A0785	1	A0535: liters; A0785: gallons
Engine Instrument Cluster 2	Moritz	A0540 / A0790	1	A0535: liters; A0785: gallons
V/A/A Indicator	Moritz	A0545	1	
Annunciator Panel	Moritz	A0550	1	
Fuel Conditioning Module	Moritz	A0570	1	
Sub-D-Socket 9 pole		SNE 9S 102	3	
Sub-D-Socket 25 pole		SNB 25S 102	3	
Sub-D-Socket 25 pole		SNA 15S 102	1	
Sub-D-Socket 37 pole		SNC 37S 102	1	
Socket Housing 9 pole	RS		3	
Socket Housing 25 pole	RS	453-022	3	
Socket Housing 37 pole	RS	453-038	1	
MIL-Connector		MS 3116F 10-6S	2	
OAT- Sensor	Norwich	102-00002	1	
Coolant Temp. Sensor	Norwich	102-00138	1	
Oil temp. Sensor	Norwich	102-00139	1	
Manifold Press. Sensor	Kavlico	P165-30A-E4A	1	
Fuel Press Sensor	Kavlico	P165-50G-B4A	1	
Oil press. sensor	Kavlico	P165-100G-B4A	1	
CHT-indicator	Alcor	46151	1	

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Designation	Manufacturer	P/N	Qty	Remark
EGT-Sensor	Alcor	86255	1	
TIT-Sensor	Alcor	86245A	1	
RPM-Sensor	JP Instruments	420807	1	
Dimming Circuit Board	Extra	EA-95334.91	1	
Diode-Matrix Circuit Board	Extra	EA-95334.92	1	
Breaker 3 Amp	ETA	483-96-TC-K14-3A	2	
Breaker 5 Amp	ETA	483-96-TC-K14-5A	1	
Rheostat (Dimmer)	Sfernice / RS	107-9518	3	
Test Button (Light Test)	SECME	DJET 17 17252 30	1	
safety-angle	Extra	EA-65019.01	1	
safety-angle	Extra	EA-65019.02	1	
Attachment-angle	Extra	EA-65042.12	1	
Mounting Bracket LH	Extra	EA-75251.71	1	
Mounting Bracket RH	Extra	EA-75251.72	1	
Panel/LH	Extra	EA-85111.35 EA-85111.31 EA-85111.37	1	for Honeywell KEA 130 for Honeywell KEA 346 for Revue Thommen (3A67.22.35F.28.1.HA)
Panel/RH	Extra	EA-85111.32 EA-85111.36 EA-85111.38	1	for Altimeter UI 5934-AD1 for Honeywell KEA 346 for Revue Thommen (3A67.22.35F.28.1.HA)
Dimmer Panel	Extra	EA-85111.33	1	
Upper Filling Panel	Extra	EA-85112.03	1	
Markings Dimmer Panel	Extra	EA-85160.03	1	
Markings Breakers mid	Extra	EA-85160.04	1	
Markings Breakers low	Extra	EA-85160.05	1	
Airplane Flight Manual & Pilot's Operating Handbook	Extra	EA-05701; Edition 2 Rev. 9	1	
Maintenance Manual	Extra	EA-05702; Rev. 10	1	