	<b>SERVICE BULLETIN</b> <b>SBRTC-2020-5</b>	Revision: <b>Initial</b>
		Date: <b>25.01.2021</b>
This Service Bulletin has been produced in accordance with approved Alternative Procedures to DOA EASA.AP356.		
<input type="checkbox"/> INFORMATION <input checked="" type="checkbox"/> <b>OPTIONAL/RECOMMENDED</b> <input type="checkbox"/> MANDATORY		

**A. SUBJECT:**

Replacement of fuel pressure sensor ROAD unit by fuel pressure sensor KAVLICO.

**B. AFFECTED AIRPLANES:**

All S/N equipped with fuel pressure sensor ROAD.

**C. REASON:**

The production of fuel pressure sensor ROAD was terminated by the manufacturer. The fuel pressure sensor KAVLICO is suitable substitution.

**D. REQUIRED ACTION:**

1. Remove the fuel pressure sensor ROAD according to AMM (AMM, Chapter 28-40, latest revision).
2. Enlarge the hole in the firewall to Ø6 mm for fuel pressure sensor attachment.
3. Assemble the fuel pressure sensor KAVLICO (1, Fig. 1) by screwing hose socket (7) secured with Loctite 542.
4. Connect the fuel hose (10) to the hose socket (7) and secure it with hose clamp (9).
5. Pull the Pyrojacket (12) to the end of fuel hose (10) and seal with the Pyrosil (sealing tape).
6. Slide the bracket (2) on the fuel pressure sensor (1).
7. Attach the bracket (2) to the firewall (13) using bolt (3), washers (4; 5; 8) and nut (6).
8. Prepare new wiring with connector (11) and connect to 5V output of EMS module (see AWM, latest revision).

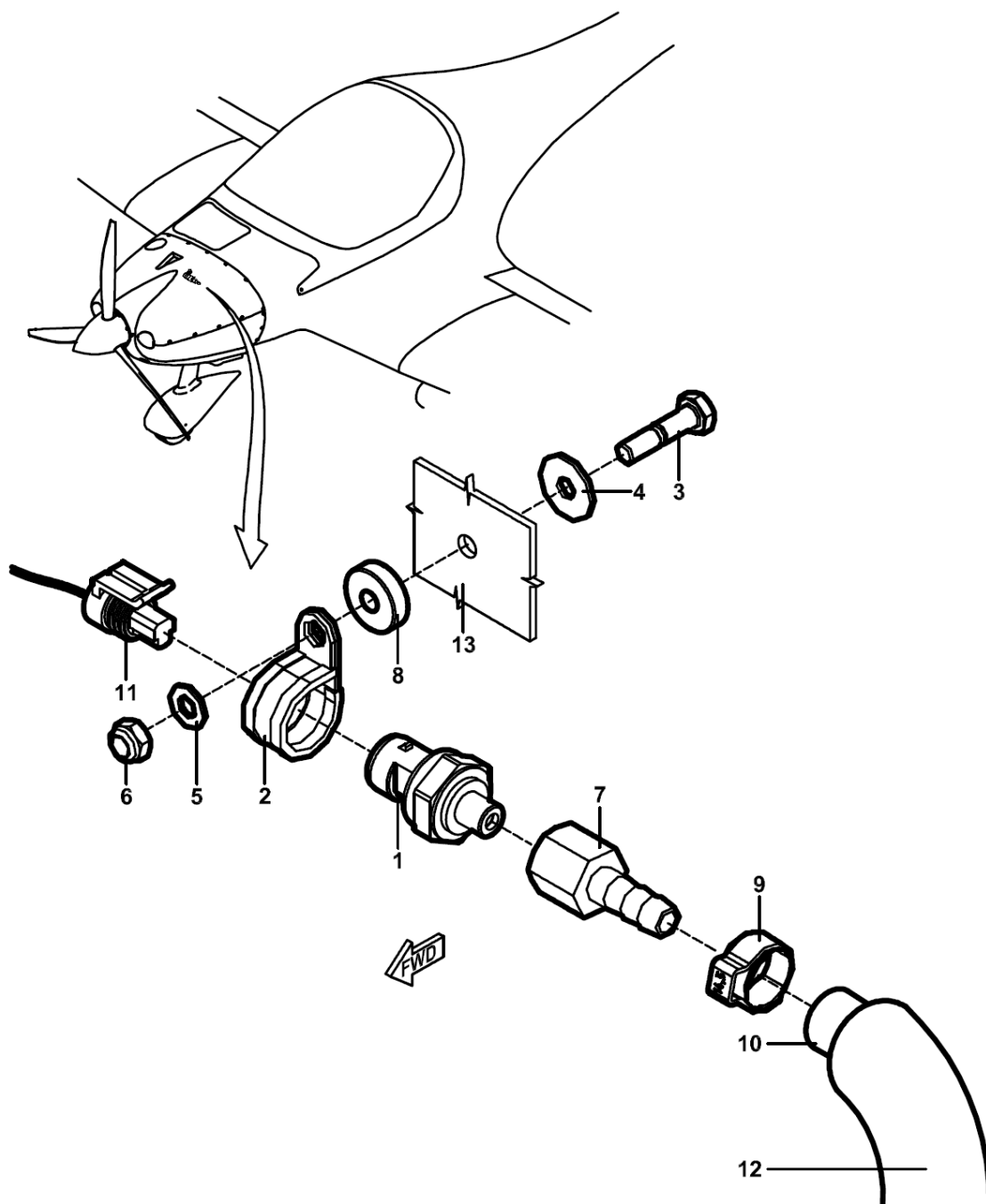
**CAUTION**

CONNECTOR WIRES MUST BE CONNECTED TO 5V EMS MODULE OUTPUT, OTHERWISE THE FUEL PRESSURE SENSOR WILL BE DAMAGED.

9. Check that connector's wires (11) are connected to 5V output of EMS module and connect it to pressure sensor (1).
10. Remove the ground cable from the aircraft.
11. Connect negative terminal of the battery (Chapter 24-30).
12. Install the engine cowlings (Chapter 71-10).
13. Install the instrument panel cover (Chapter 39-10).
14. Install the file **FPS\_KAVLICO.duc** to both LH and RH displays Dynon SkyView SV-D1000 (AMM, Chapter 39-10).
15. Carry out an operational test.
16. Record the compliance with this bulletin into aircraft documentation.

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☐ INFORMATION

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- 1 – Fuel pressure sensor KAVLICO
- 2 – Bracket
- 3 – Bolt M6 x 28
- 4 – Washer Ø 6.4 x 18 x 1.6
- 5 – Washer Ø 6.4 x 12 x 1.6
- 6 – Nut M6
- 7 – Hose socket

- 8 – Washer Ø6.4 x 20 x 6
- 9 – Hose clamp Ø14.5
- 10 – Fuel hose
- 11 – Connector
- 12 – Pyrojacket
- For information:
- 13 – Firewall

Fig. 1

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### E. COMPLIANCE:

When replacement of fuel pressure sensor ROAD by the fuel pressure sensor KAVLICO is required.

### F. WEIGHT AND BALANCE:

Negligible.

### G. ACTION CARRIED OUT BY:

Approved Maintenance Organization.

### H. COSTS COVERED BY:

Costs covered by aircraft owner.

### I. NECESSARY MATERIAL:

Necessary material will be supplied on request by aircraft manufacturer Aerospool, spol. s r. o. For material purchase contact the airplane manufacturer's directly at [spareparts@aerospool.sk](mailto:spareparts@aerospool.sk).

Item	Part Name	Part Number	Quantity
1	SBRTC-2020-5 KIT	SBRTC-2020-5	1 pc

Item SBRTC-2020-5 contains:

Item	Part Name	Part Number	Quantity
1	HOSE SOCKET FUEL PRESSURE SENSOR KAVLICO	D284002020	1 pc
2	WASHER 6,4 DIN125A 6,4 200HV A2A	N3250-007	1 pc
3	WASHER 6,4 DIN9021 6,4 100HV A2K	N3254-008	1 pc
4	Washer 6,4x20x6 AL	D243001030	1 pc
5	SELF-LOCKING NUT M6 LN LN 9348-06	N3227-003	1 pc
6	BOLT M6x28 LN 9037-06 028	N3112-011	1 pc
7	FUEL PRESSURE SENSOR ASSY KAVLICO P4055-5025-1	N7411-101	1 pc
8	BRACKET RSGU1 14-15 DIN3016-1 RSGU1 14-15 W1	N4315-001	1 pc

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AS-AMM-01-000 Aircraft Maintenance Manual, Rev. 4 or later approved revision.

AS-AWM-01-000 Aircraft Wiring Manual, Rev. 4 or later approved revision.

**K. ENCLOSURES:**

FPS\_KAVLICO.duc Configuration file with fuel pressure sensor KAVLICO for Dynon SkyView SV-D1000

**L. APPROVAL:**

This Service Bulletin was issued on the base of Minor Change Approval No. 10073873.



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Head of Design Organisation

Position, Name, Signature



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Technical Director

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