

SERVICE INSTRUCTION

Introduction of a new clamp part no. 638140 for ROTAX 912 i Series

ATA System: 76-00-00 Engine control

1) Planning information

To obtain satisfactory results, procedures specified in this publication must be accomplished with accepted methods in accordance with prevailing legal regulations.

BRP-Rotax GmbH & Co KG cannot accept any responsibility for the quality of work performed in accomplishing the requirements of this publication.

1.1) Applicability

The new clamp part no. 638140 can be used for retrofit on the versions of ROTAX® engines types:

- 912 iS Sport: all
- 912 iSc Sport: all

The new clamp part no. 638140 has been already installed on the versions of ROTAX® engines types:

- 912 iS Sport from S/N 7 704 235
- 912 iSc Sport from S/N 7 702 102

1.2) Concurrent ASB/SB/SI and SL

none

1.3) Reason

In the course of continuous development an additional clamp part no. 638140 has been introduced, which improves the connection and tight fit of the MAP sensors.

1.4) Subject

Introduction of a new clamp part no. 638140 for ROTAX 912 i Series.

1.5) Compliance

none

1.6) Approval

The technical content of this document is approved under the authority of DOA ref. EASA.21J.048.

1.7) Labor time

Estimated labor hours:

engine installed in the aircraft - - - labor time will depend on installation and therefore no estimate is available from the engine manufacturer.

1.8) Mass data

Change of weight - - - none.

Moment of inertia - - - unaffected.

SERVICE INSTRUCTION

1.9) Electrical load data

No change.

1.10) Software modifications

No change.

1.11) References

In addition to this technical information refer to current issue of

- Illustrated Parts Catalog (IPC)
- Installation Manual (IM)
- Maintenance Manual (MM) Heavy
- Maintenance Manual (MM) Line

NOTE: The status of the Manuals can be determined by checking the table of amendments. The 1st column of this table shows the revision status. Compare this number to that listed on the ROTAX WebSite: www.FLYROTAX.com. Updates and current revisions can be downloaded for free.

1.12) Other Publications affected

None.

1.13) Interchangeability of parts

- Not affected.

2) Material Information

2.1) Material- cost and availability

Price and availability will be provided on request by ROTAX® Authorized Distributors or their independent Service Centers.

2.2) Company support information

- Any possible support by BRP-Rotax will be provided on request by ROTAX® Authorized Distributors or their independent Service Centers.

2.3) Material requirement per engine

parts requirement:

Fig.no.	New p/n	Qty/ engine	Description	Old p/n	Application
1	638140	2	Clamp		ROTAX 912 i Series

2.4) Material requirement per spare part

None.

2.5) Rework of parts

None.

2.6) Special tooling/lubricant-/adhesives-/sealing compound/price and availability

None.

d06371.fm

SERVICE INSTRUCTION

3) Accomplishment/Instructions

NOTE: Before maintenance, review the entire documentation to make sure you have a complete understanding of the procedure and requirements.

Accomplishment

All measures must be implemented and confirmed by at least one of the following persons or organizations:

- ROTAX® - Distributors or their independent Service Centers
- Persons with approved qualifications for the corresponding engine types. Only authorized persons (iRMT, Level Heavy Maintenance) are entitled to carry out this work.

Safety notice

⚠ WARNING Proceed with this work only in a non-smoking area and not close to sparks or open flames. Switch off ignition and secure engine against unintentional operation. Secure aircraft against unauthorized operation. Disconnect negative terminal of aircraft battery.

⚠ WARNING Risk of scalds and burns! Allow engine to cool sufficiently and use appropriate safety gear while performing work.

3.1) Instructions

See Fig. 1

Step	Procedure
1	Check connector of MAP sensors for tight fit. NOTE: Make sure the connector latch shows vertically to the bottom.
2	Install the clamp as shown in figure 1. Check for tight fit and correct position of the clamp on sensor and connector. NOTE: To remove the clamp use a proper pair of pliers.

- Restore aircraft to original operating configuration.
- See latest Maintenance Manual (Line), maintenance checklist. The clamp itself needs to be visually checked and also checked for tight fit at least every 100 h of operation and/or at next maintenance event.

3.2) Test run

Conduct test run. See chapter 12-20-00 of the latest Maintenance Manual Line for the respective engine type.

3.3) Summary

Conduct engine test run including lane check and leakage test. See also chapter 12-20-00 current issue of Maintenance Manual Line for the relevant engine type.

| A revision bar outside of the page margin indicates a change to text or graphic.

Translation into other languages might be performed in the course of language localization but does not lie within ROTAX® scope of responsibility.

In any case the original text in English language and the metric units are authoritative.

d06371.fm

SERVICE INSTRUCTION

3.4) Enquiries

Enquiries regarding this Service Instruction should be sent to the ROTAX® Authorized Distributor of your area.

A list of all ROTAX® Authorized Distributors or their independent Service Centers is provided on www.FLYROTAX.com.

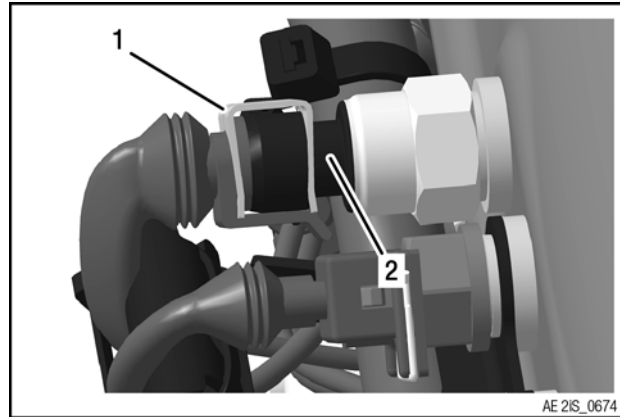
d06371.fm

SERVICE INSTRUCTION

4) Appendix

The following illustrations should convey additional information:“

- 1) Clamp
- 2) MAP Sensor



POSITION OF THE CLAMP

Fig. 1

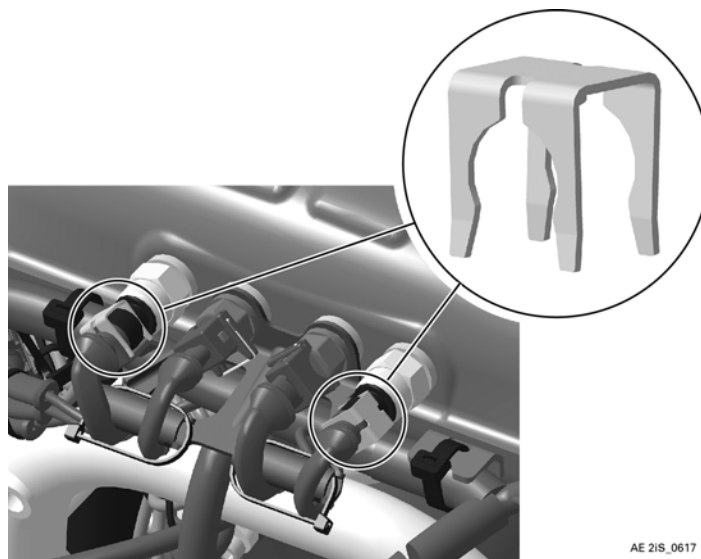


Fig. 2

NOTE: The illustrations in this document show the typical construction. They may not represent full detail or the exact shape of the parts which have the same or similar function.

Exploded views are **not technical drawings** and are for reference only. For specific detail, refer to the current documents of the respective engine type.

d06371.fm