

SERVICE BULLETIN

Title: Oil Radiator Fitment XT 912

Identification	SB-023
Status	Advisory
Issue	1
Issue Date	15 September 2020
Applicability	All XT 912
Compliance	When replacing Oil Radiator

Issued by: Rick Duncan
Approved by: Rick Duncan – Airborne Windsports.

Summary of Changes: First issue

Introduction

Airborne has been notified of failure of newly fitted oil radiators on older model XT-912 aircraft. New model radiators (after 2017) have been fitted to older aircraft without using Airborne hardware for fitment.

The threaded flange on the new version Oil Radiator is shorter than the previous model and the flange has a different set where it is fixed to the radiator body.

Incorrect fitment has caused tension on the radiator flange. The tension load combined with vibration has caused the flange to shear from the main radiator body.

This Service Bulletin contains background information and details of parts required if the new model radiator is to be fitted.

Table of Contents

Introduction.....	1
Table of Contents	1
Action	2
Oil Radiator Part Numbers	2
Assembly Detail.....	2
Conclusion.....	3
End of Service Bulletin.	3

Action

Action is only required when the oil radiator is changed.

Oil Radiator Part Numbers

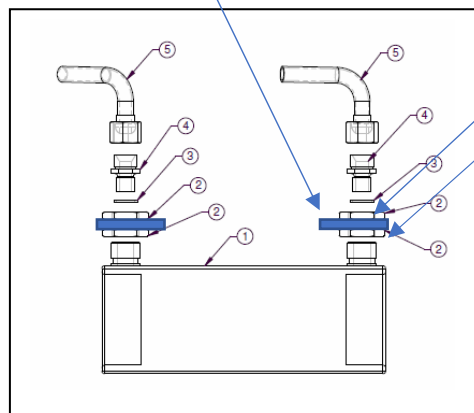
The standard Oil Cooler fitment on Airborne XT-912 is the 125 sqcm variant. Larger radiators require a Letter of Approval for fitment from Airborne.

Description	Rotax Part (Pre 2017)	Rotax Part (Current)
Flange Length (base to end of thread)	23.5 mm	18.5 mm
OIL COOLER ROTAX 912 125 SQCM STD	886027	886000
OIL COOLER ROTAX 912 142 SQCM	886028	886002
OIL COOLER ROTAX 912 234 SQCM	886029	886004

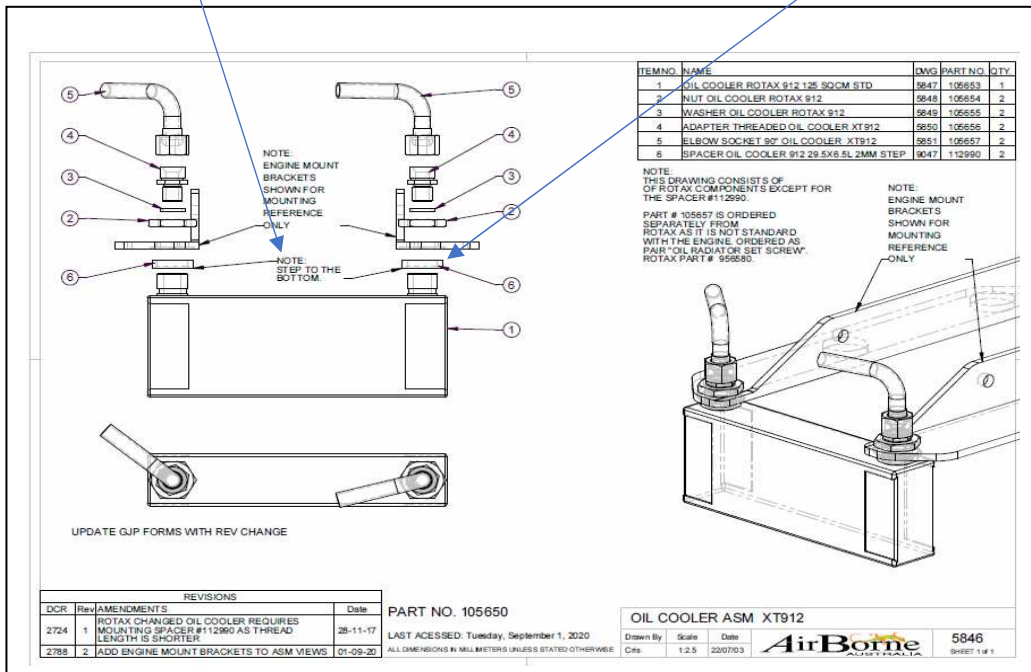
Further Oils Radiator details can be found on Rotax Service Instruction SI-PAC-014 dated 18th November.

Assembly Detail

Older model radiators had two oil cooler nuts (Item 2 - Airborne Part # 105654) positioned either side of the attachment point of the engine mount.



2017 versions and after require Spacer (Item 6 - Airborne Part #112990) and only one nut.
 Note orientation of spacer



Conclusion

The new version radiator must have spacer (Airborne part #112990) fitted between the radiator and the engine mount. Failure to do so will put undue stress on the radiator causing failure at the flange attachment point.

End of Service Bulletin.