

This Service bulletin has been produced in accordance with approved Alternative Procedures to DOA EASA.AP356.
Technical data has been approved by EASA under Approval No.:

 INFORMATION RECOMMENDED MANDATORY**A. SUBJECT:**

Airbox and carburetor drain/vent connection.

B. AFFECTED AIRPLANES:

DY-337/2009; DY-339/2009; DY-357/2010 LSA; DY-361/2010 LSA;
DY-363/2010 LSA; DY-366/2010 LSA; DY-377/2010 LSA; DY-387/2010 LSA;
DY-390/2010 LSA; DY-391/2010 LSA; DY-392/2010 LSA; DY-395/2010 LSA;
DY-400/2011 LSA; DY-420/2011 LSA; DY-427/2011 LSA; DY-428/2011 LSA;
DY-429/2012 LSA; DY-433/2012 LSA; DY-434/2012 LSA; DY-435/2012 LSA;
DY-436/2012 LSA; DY-439/2012 LSA; DY-442/2012 LSA; DY-445/2012 LSA;
DY-448/2012 LSA; DY-449/2012 LSA; DY-459/2012 LSA; DY-460/2012 LSA;
DY-461/2012 LSA; DY-464/2013 LSA; DY-466/2013 LSA; DY-470/2013 LSA;
DY-475/2013 LSA;

C. REASON:

There is a potential risk of dirt entry into carburetor float chamber from drip tray through the airbox drain hose and carburetor float chamber vent hose due to shared discharge hose. Dirt can cause irregular running of engine and power loss.

D. REQUIRED ACTION:

Check the carburetor float chamber. Change the hoses connection ensuring independent drain of airbox and drip trays.

1. Check the carburetor float chamber for contamination and foreign objects (refer to Maintenance Manual for Rotax Engines type 912/914 Series, actual valid revision).
2. Disconnect drain hoses „L“ and „M“ from airbox, hoses „N“ and „O“ from drip trays and pull out hoses „P“ and „Q“ from discharge hose's holder.
Rotax 912, fixed landing gear (fig. 1),
Rotax 912, retractable landing gear (fig. 2),
Rotax 914, retractable landing gear (fig. 3).
3. Remove hoses „L, M, N, O, P, Q“ together with Y-distributors from the airplane.
4. Disconnect Y-distributors (2 pcs) from removed hoses and clean them properly.
5. Prepare new hose set A (1 pc) and hose set B (1 pc) according to the schemes using delivered hose and origin Y-distributors according to the configuration of engine and landing gear (for better demonstration is hose set A for drip trays marked red and hose set B for airbox marked blue):
Rotax 912, fixed landing gear (fig. 4),
Rotax 912, retractable landing gear (fig. 5),
Rotax 914, retractable landing gear (fig. 6).

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6. Connect both drip tray sockets using hose set A and put shared discharge hose (of hose set A) into the discharge hose's holder. Connect both airbox drain sockets using hose set B and put shared discharge hose (of hose set B) into the discharge hose's holder.

*Rotax 912, fixed landing gear (fig. 7),
 Rotax 912, retractable landing gear (fig. 8),
 Rotax 914, retractable landing gear (fig. 9).*

7. Fix the hoses to the engine mount and discharge hose's holder using cable ties.
8. Cut off discharge hose's overlapping behind discharge hose's holder.

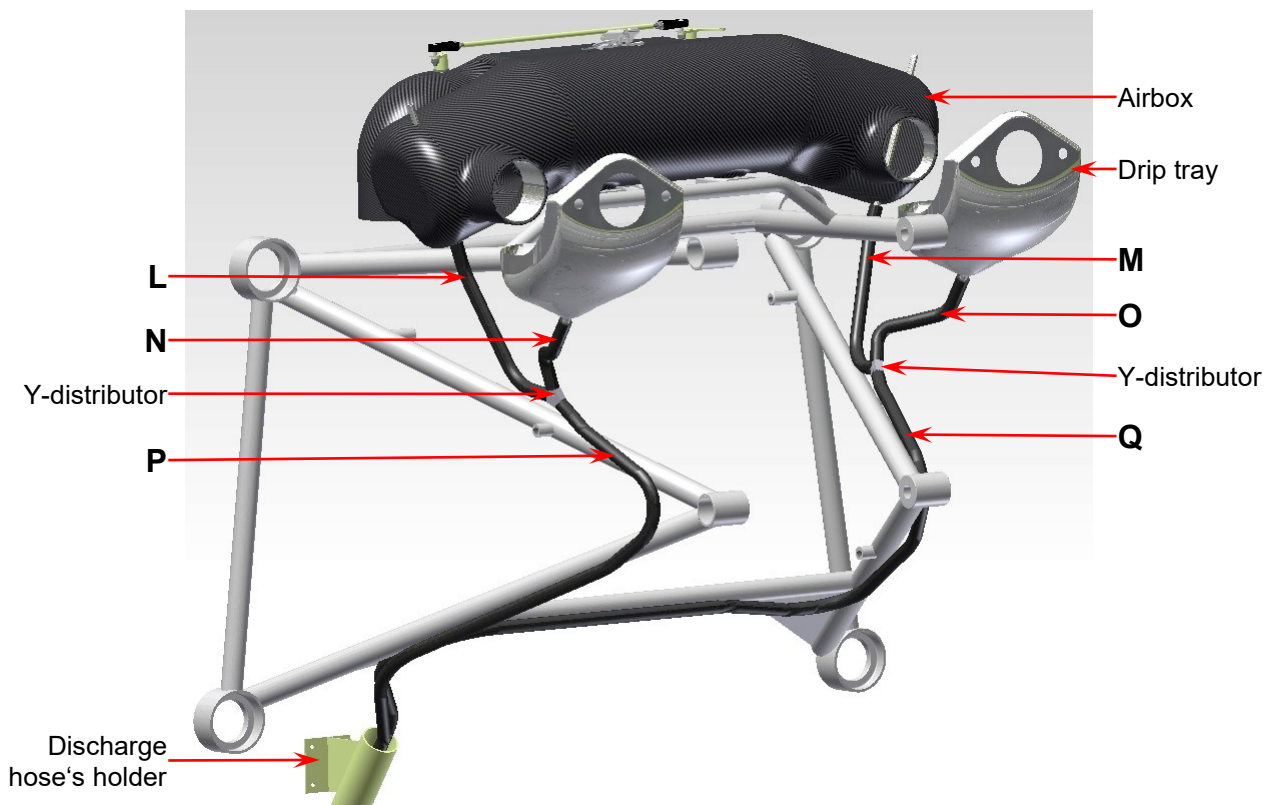


Fig. 1 Disconnecting of drain hoses – Rotax 912, fixed landing gear

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Fig. 2 Disconnecting of drain hoses – Rotax 912, retractable landing gear

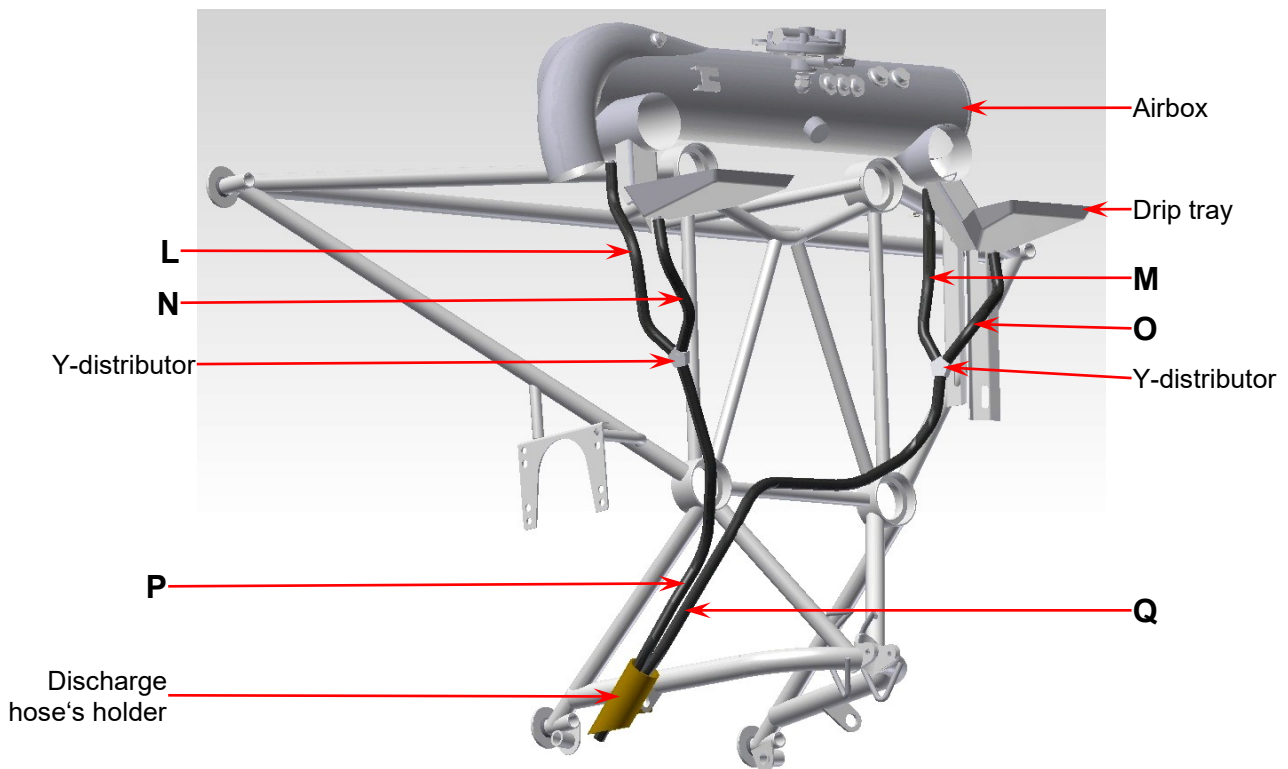


Fig. 3 Disconnecting of drain hoses – Rotax 914, retractable landing gear

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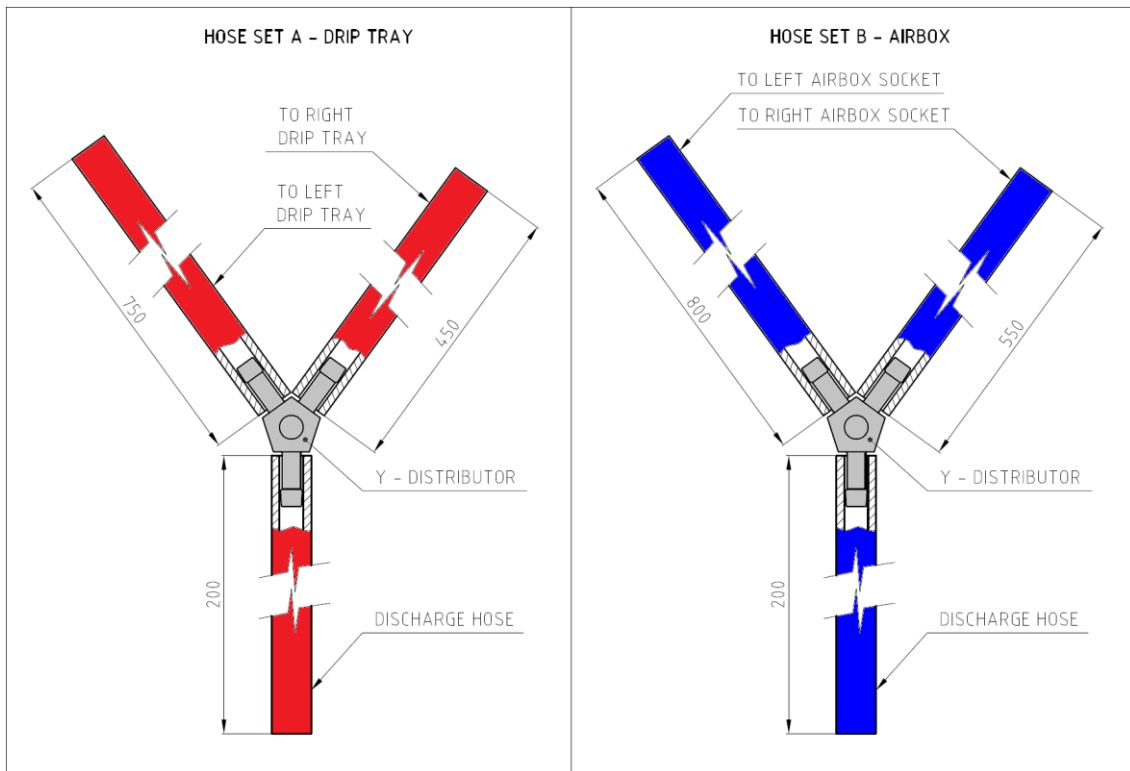


Fig. 4 Scheme of hose sets – Rotax 912, fixed landing gear

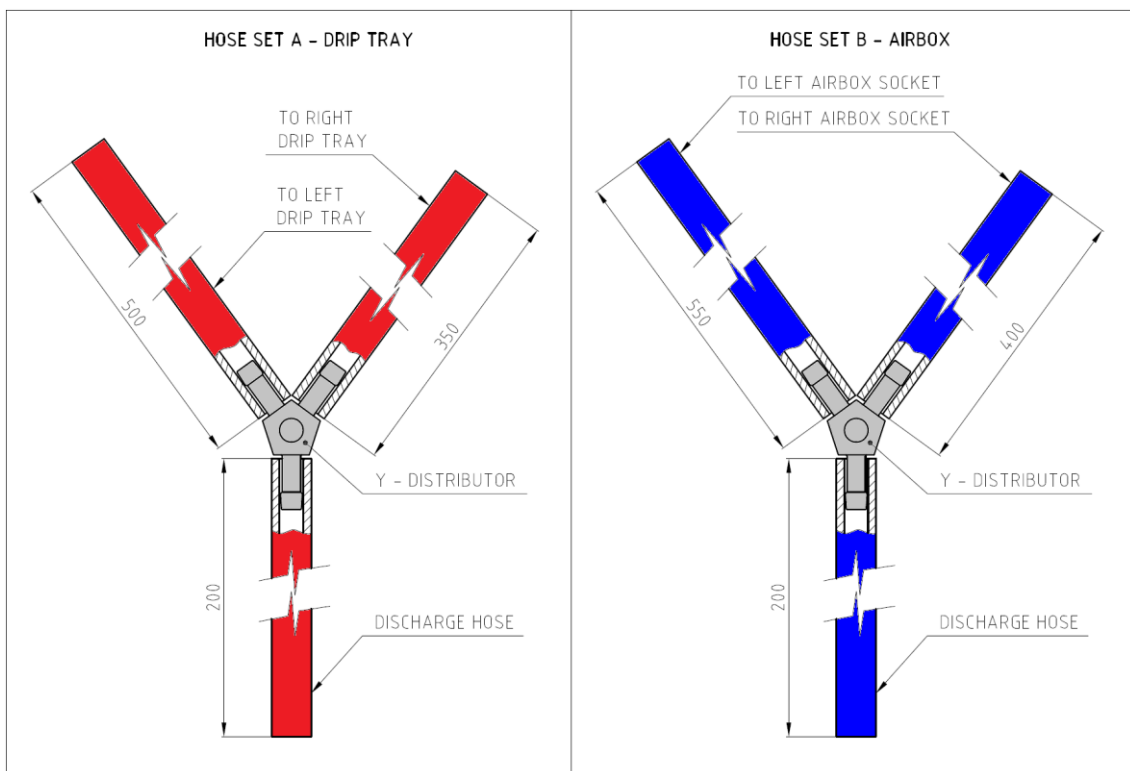


Fig. 5 Scheme of hose sets – Rotax 912, retractable landing gear

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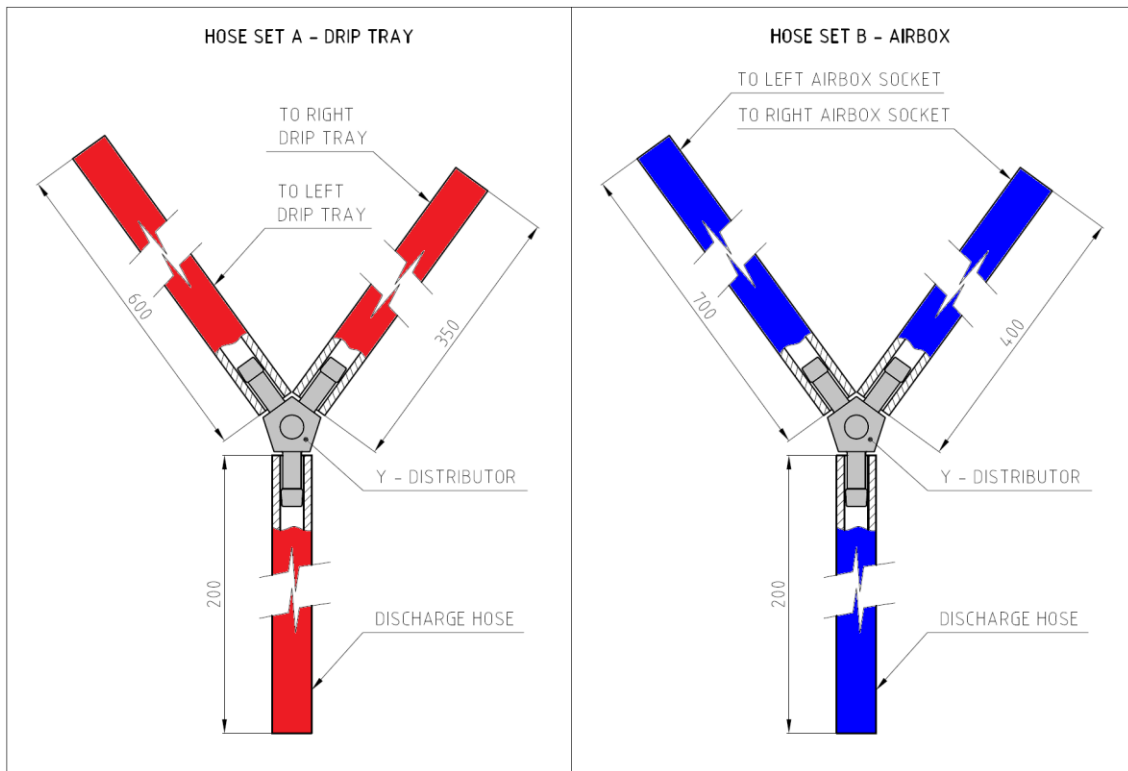


Fig. 6 Scheme of hose sets – Rotax 914, retractable landing gear

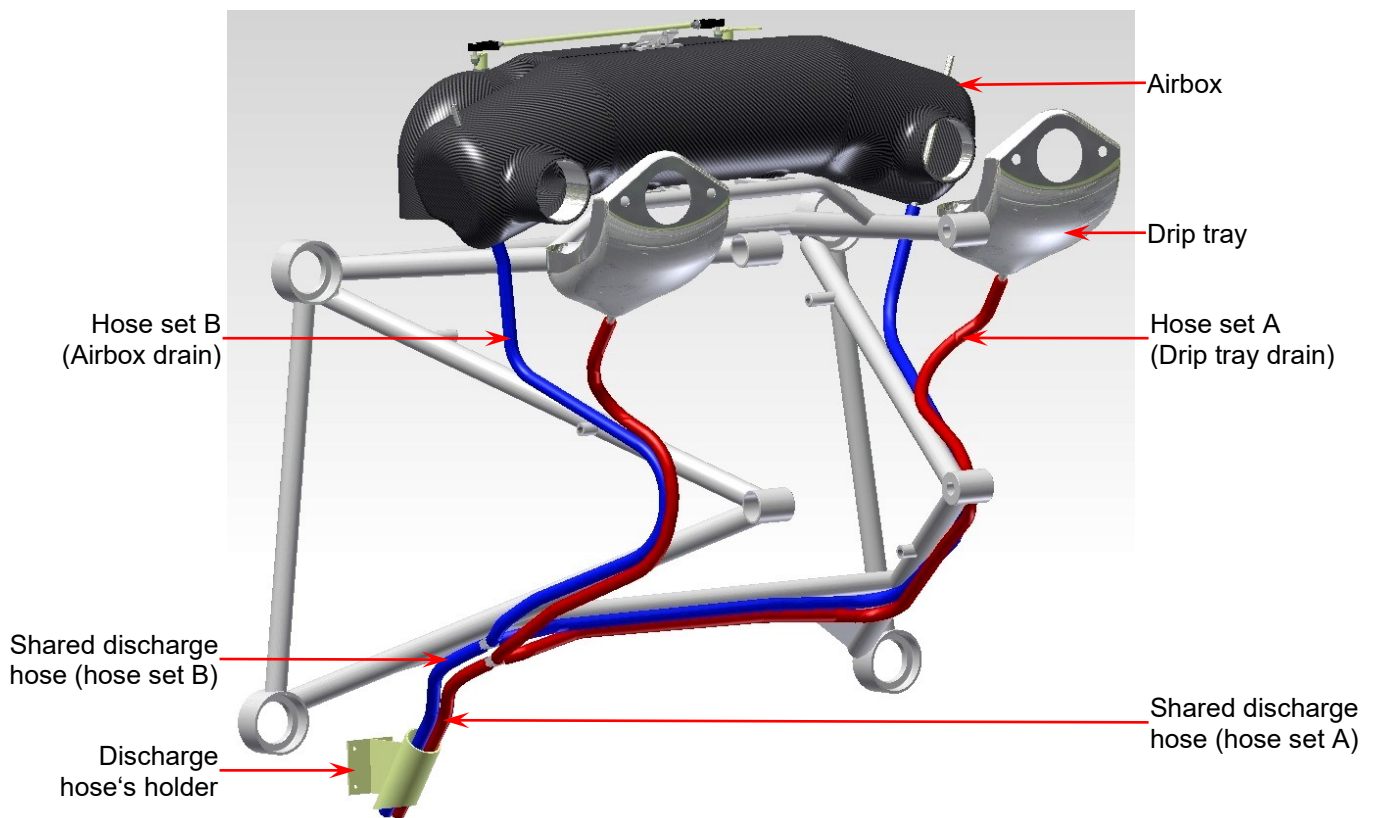


Fig. 7 Connecting of drain hoses – Rotax 912, fixed landing gear (front view)

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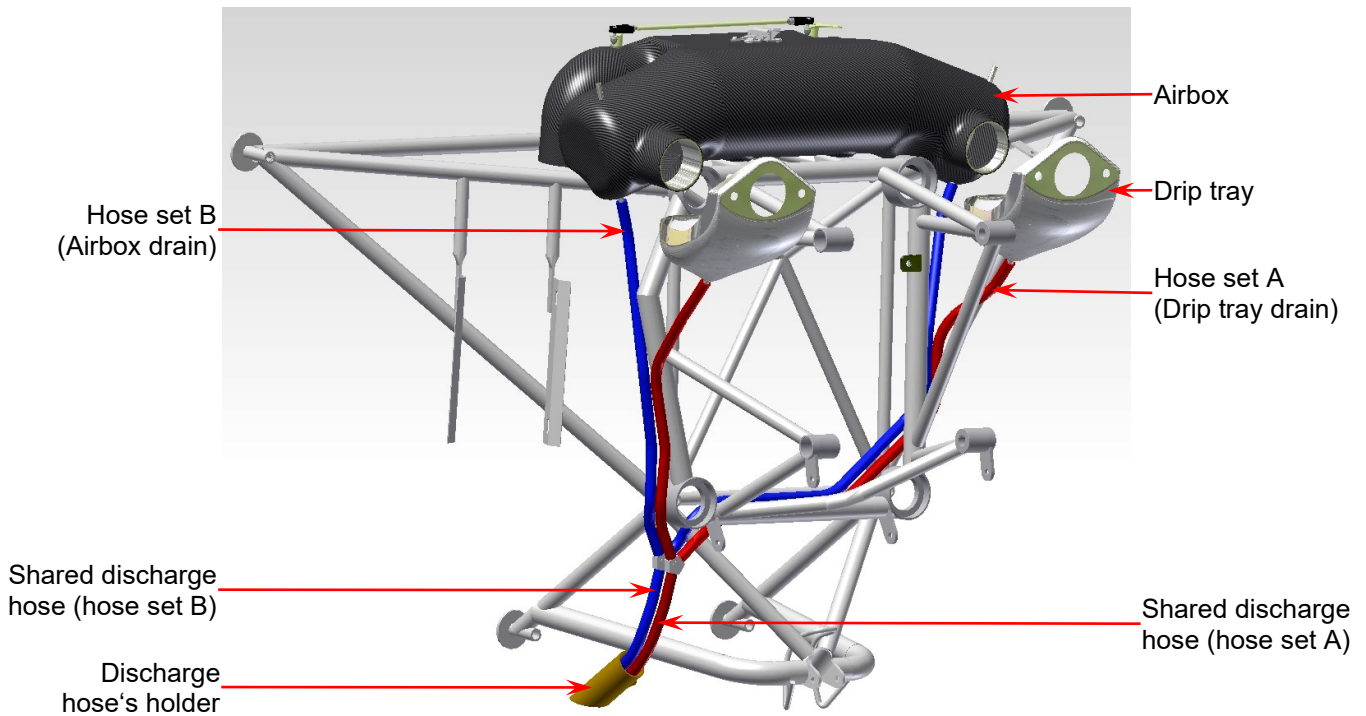


Fig. 8 Connecting of drain hoses – Rotax 912, retractable landing gear (front view)

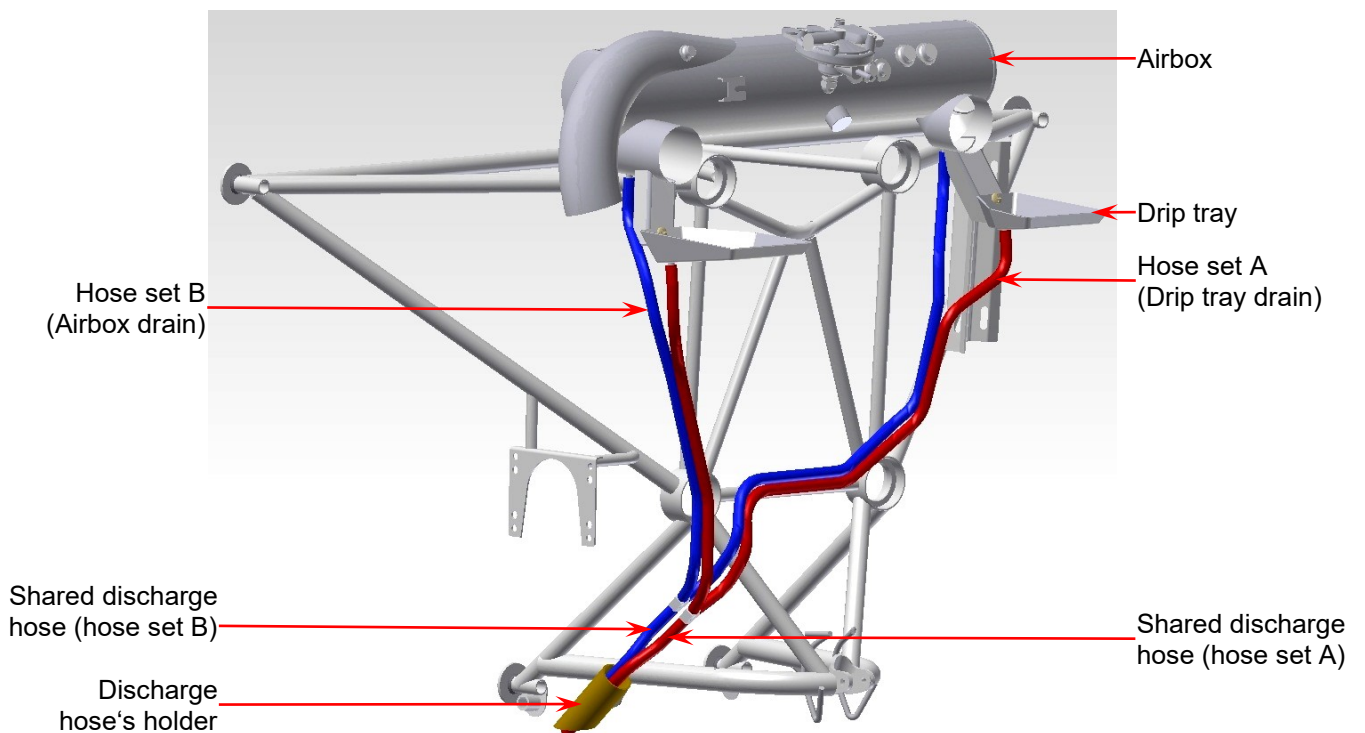


Fig. 9 Connecting of drain hoses – Rotax 914, retractable landing gear (front view)

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E. COMPLIANCE:

At next periodic inspection. Up to 31.03.2014 the latest.

F. WEIGHT AND BALANCE:

Weight change: Negligible

Moment change: Negligible

G. ACTION CARRIED OUT BY:

Manufacturer Aerospool spol. s r. o.

Maintenance personnel of a Part-M, Section A Subpart F maintenance organization

Independent staff qualified in accordance with Part-66

Owner / operator of aircraft qualified in accordance with M.A.803.

H. COSTS COVERED BY:

Aircrafts under warranty: Aerospool spol. s r. o.

Aircrafts after warranty: Owner / operator of aircraft

I. NECESSARY MATERIAL:

Rotax 912, fixed landing gear:

Part	Part number	Quantity	Total price
Hose Semperit S FUB 386 KRAFTSTOFF/FUEL PN 12 bar DN4, (ISO 19013-1,2:2005)	1-867	2,95 m	14,63 EUR (Exc. of VAT)
Maximum work time: 0,5 hour.			

Rotax 912, retractable landing gear:

Part	Part number	Quantity	Total price
Hose Semperit S FUB 386 KRAFTSTOFF/FUEL PN 12 bar DN4, (ISO 19013-1,2:2005)	1-867	2,20 m	10,91 EUR (Exc. of VAT)
Maximum work time: 0,5 hour.			

Rotax 914, retractable landing gear:

Part	Part number	Quantity	Total price
Hose Semperit S FUB 386 KRAFTSTOFF/FUEL PN 12 bar DN4, (ISO 19013-1,2:2005)	1-867	2,45 m	12,15 EUR (Exc. of VAT)
Maximum work time: 0,5 hour.			

Material can be ordered using online form on web page www.aerospool.sk:

http://www.aerospool.sk/index.php?option=com_ckforms&view=ckforms&id=3&Itemid=153&lang=en

In box "Part description" notice "SBLSA-001-2013_R1".

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J. DOCUMENTATION:

Record the performance of this service bulletin into the aircraft documentation.

K. ENCLOSURES:

None.

<p>Issued by:</p>  <p>Priedviza, 20.03.2014 Place, date, signature</p>	<p>Approved by:</p> <p>EASA</p>
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