

Subject: Exhaust silencer.

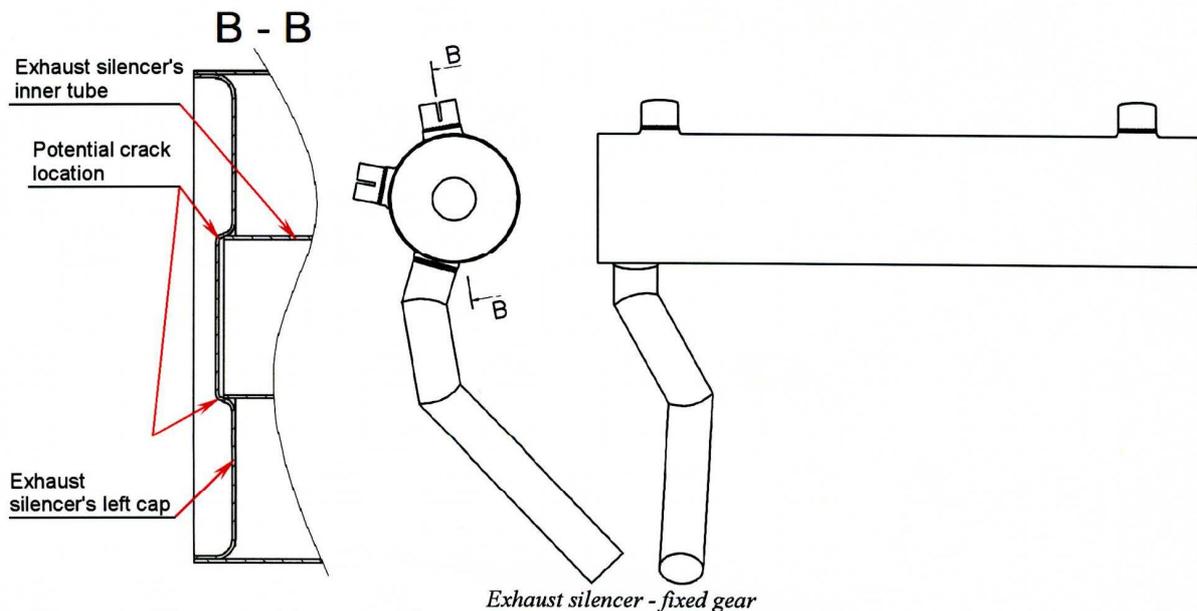
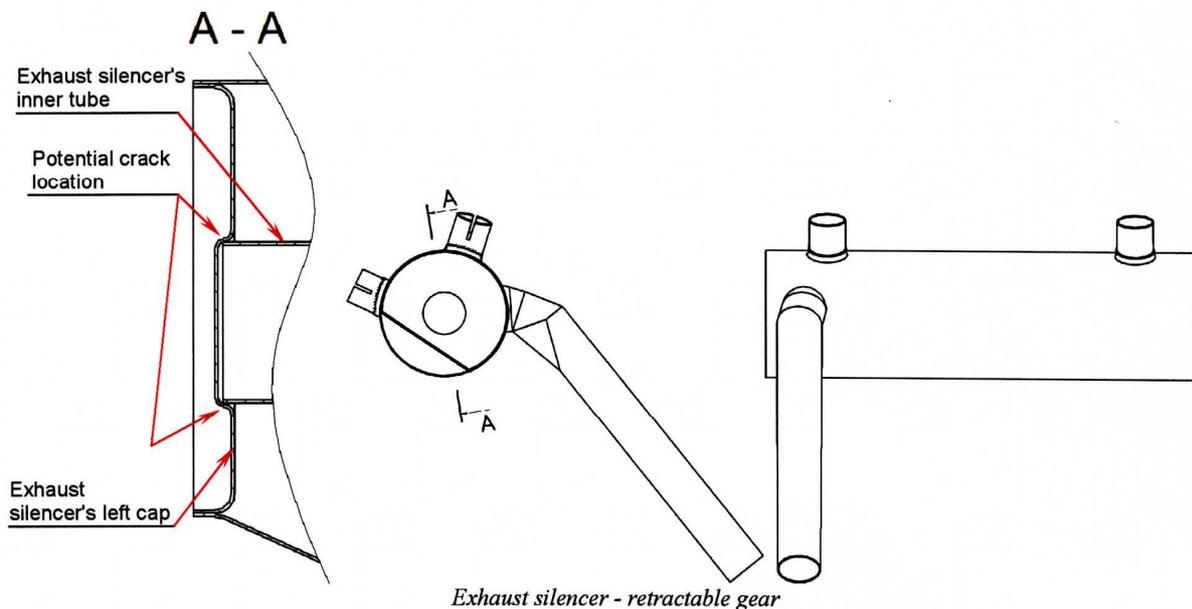
Affected: WT-9 Dynamic, all serial numbers and models with Rotax 912 (80 and 100 hp) engines.

Compliance:

1. Immediate inspection.
2. If cracks were found, follow the instructions in section "Arrangements" immediately.
3. If cracks were not found, follow the instructions in section "Arrangements" at next periodical inspection.

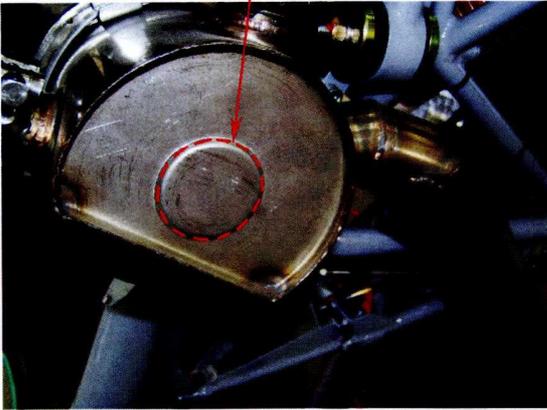
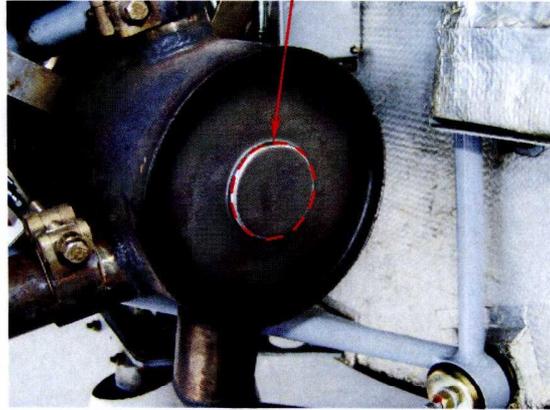
Mass data: Weight change - none.  
Moment change - none.

Reason: During operation of WT-9 Dynamic has occurred damage of exhaust silencer's left cap due to vibrations of exhaust silencer's inner tube. Subsequently exhaust gases were blowing into engine compartment.

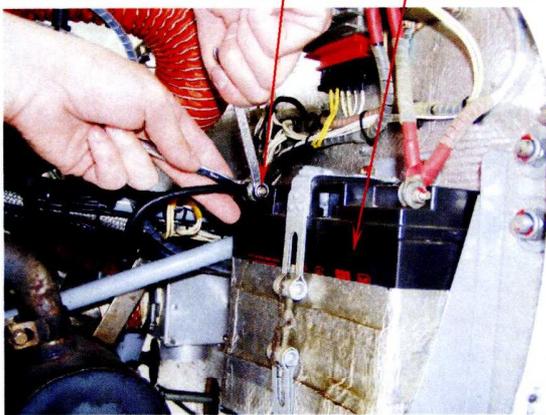


Arrangements:

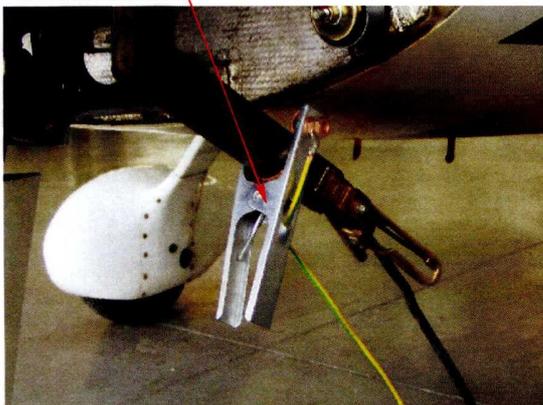
1. Clean and check the exhaust silencer's left cap if there are cracks round the circumference of cap's overpress.

Potential crack location*Exhaust silencer's left cap - retractable gear*Potential crack location*Exhaust silencer's left cap - fixed gear*

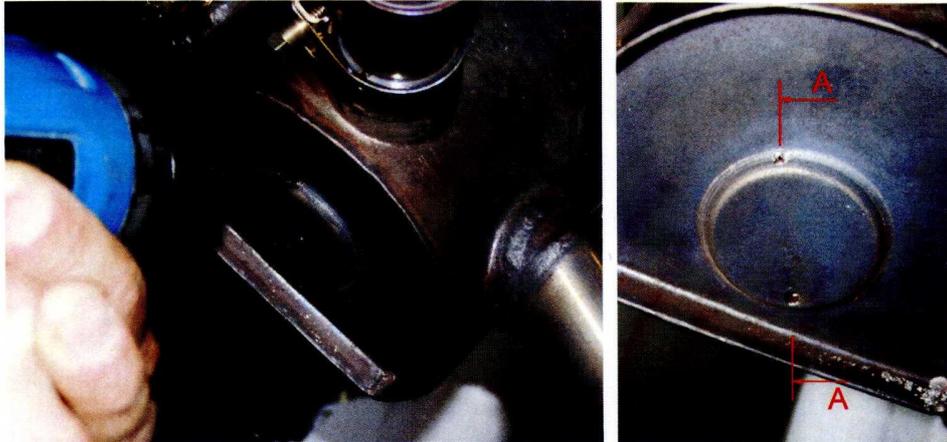
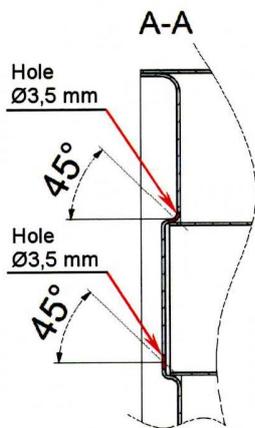
2. Start the engine, close the fuel feed and consume fuel from fuel system and carburetors. Disconnect the components attached to engine cowlings and remove the engine cowlings according to the instructions in Maintenance Manual.
3. Disconnect the negative pole of accumulator and protect the accumulator and surrounding installation with suitable fireproof material.

Negative pole of accumulatorAccumulator*Disconnection of negative pole of accumulator (fixed gear photo)*Fireproof material

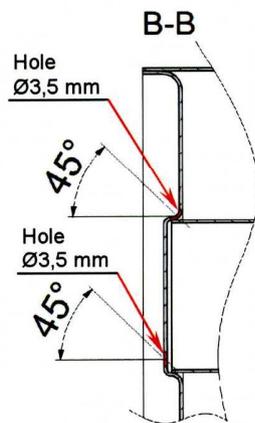
4. Ground the airplane and prepare the fire extinguisher.

Ground conductor*Grounding of airplane (fixed gear photo)**Fire extinguisher*

5. Under an angle 45° drill two holes into the exhaust silencer's left cap using borer Ø3,5 mm according to the figure below to be visible the exhaust silencer's inner tube.



*Drilling of holes into exhaust silencer's left cap - retractable gear*



*Drilling of holes into exhaust silencer's left cap - fixed gear*

6. Through the drilled holes weld together exhaust silencer's left cap and exhaust silencer's inner tube by TIG welding method, plate thickness is 1.0 mm (suggest settings: welding current 65-70 A, stainless steel wire Ø1,2 mm, inert gas argon, gas flow 10 l/min).



*Welds - retractable gear*



*Welds - fixed gear*

7. If cracks on exhaust silencer's left cap were found, repair them by TIG welding method, plate thickness 1,0 mm (suggest settings: welding current 65-70 A, stainless steel wire Ø1,2 mm, inert gas argon, gas flow 10 l/min).
8. Remove the grounding of airplane, fireproof material, connect the negative pole to accumulator, put on engine cowlings and attach the components to the engine cowlings.

Material: None.

Documentation: Not the results of this check and work into documentation of the aircraft with date and signature of service man who execute the procedure. Inform the airplane producer and authorized distributor about realisation of this bulletin together and serial number of aircraft.

Prievidza 6<sup>th</sup> May 2011

Issued.....

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