

SUBJECT:

Exhaust silencer FG (drawing: DYN-170-13-PP Exhaust silencer FG – fig. 1).

DYN-170-13-PP EXHAUST SILENCER FG

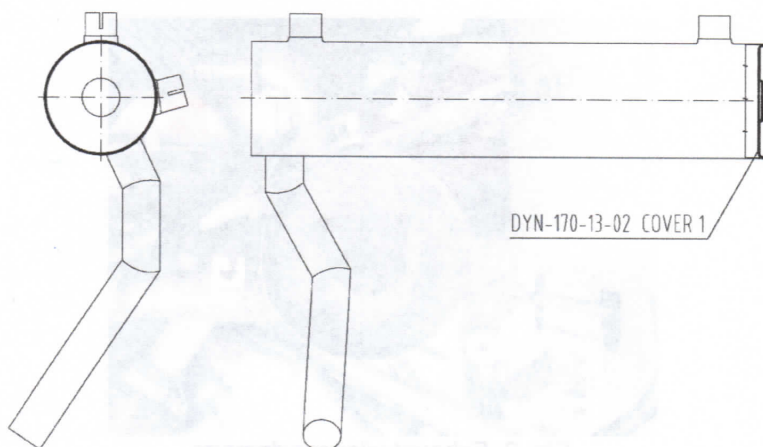


Fig. 1 Exhaust silencer FG

AFFECTED:

All airplanes equipped with fixed landing gear and engine Rotax 912 and Rotax 912iS (see tab. 1 and tab. 2).

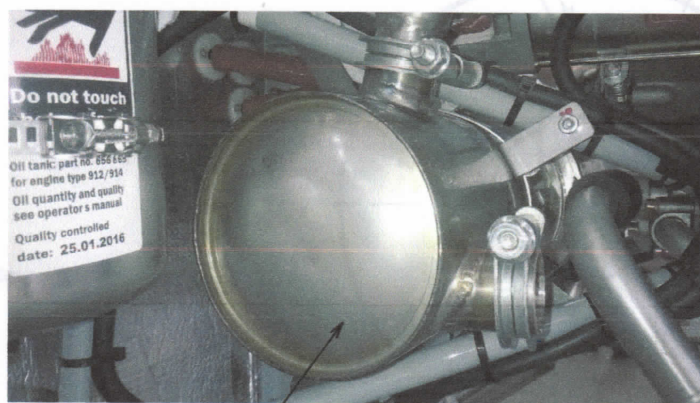
DY-523/2015	DY-525/2015	DY-527/2015	DY-528/2015	DY-530/2015	DY-532/2015	DY-534/2015
DY-535/2015	DY-538/2015	DY-541/2015	DY-543/2015	DY-547/2015	DY-549/2015	DY-550/2015
DY-551/2015	DY-552/2015	DY-553/2015	DY-554/2015	DY-555/2015	DY-557/2015	DY-558/2015
DY-564/2016	DY-565/2016	DY-567/2016	DY-568/2016	DY-569/2016	DY-573/2016	DY-576/2016
DY-579/2016	DY-580/2016	-	-	-	-	-

Tab. 1 List of affected new airplanes

DY-027/2003	DY-177/2007	DY-224/2008	DY-256/2008	-	-	-
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Tab. 2 List of affected serviced airplanes

Does not apply to the airplanes that are equipped with exhaust silencer with arched cover (fig. 2).



arched cover

Fig. 2 Exhaust silencer with arched cover

COMPLIANCE:

Before the next engine start.

MASS DATA:

 Weight change: Negligible
 Moment change: Negligible

REASON:

There is a risk of cracks creation in the area of flange of exhaust silencer right cover (in flight direction) and consequently the perforation of exhaust silencer (fig. 3). There is a risk of fire hazard or cockpit contamination by exhaust gases.



Fig. 3 Exhaust silencer damage

ARRANGEMENTS:

Perform visual inspection for visible cracks in the area of failure. In dependence of findings, follow one of the following procedures:

- A. If visible cracks are not detected, perform the modification according to figure (fig. 4) at the nearest periodical inspection (required material A).
- B. If visible cracks are detected in smaller range than 120° of circular flange, perform immediate the repair of cracks by welding and the modification according to figure (fig. 4) (required material B).

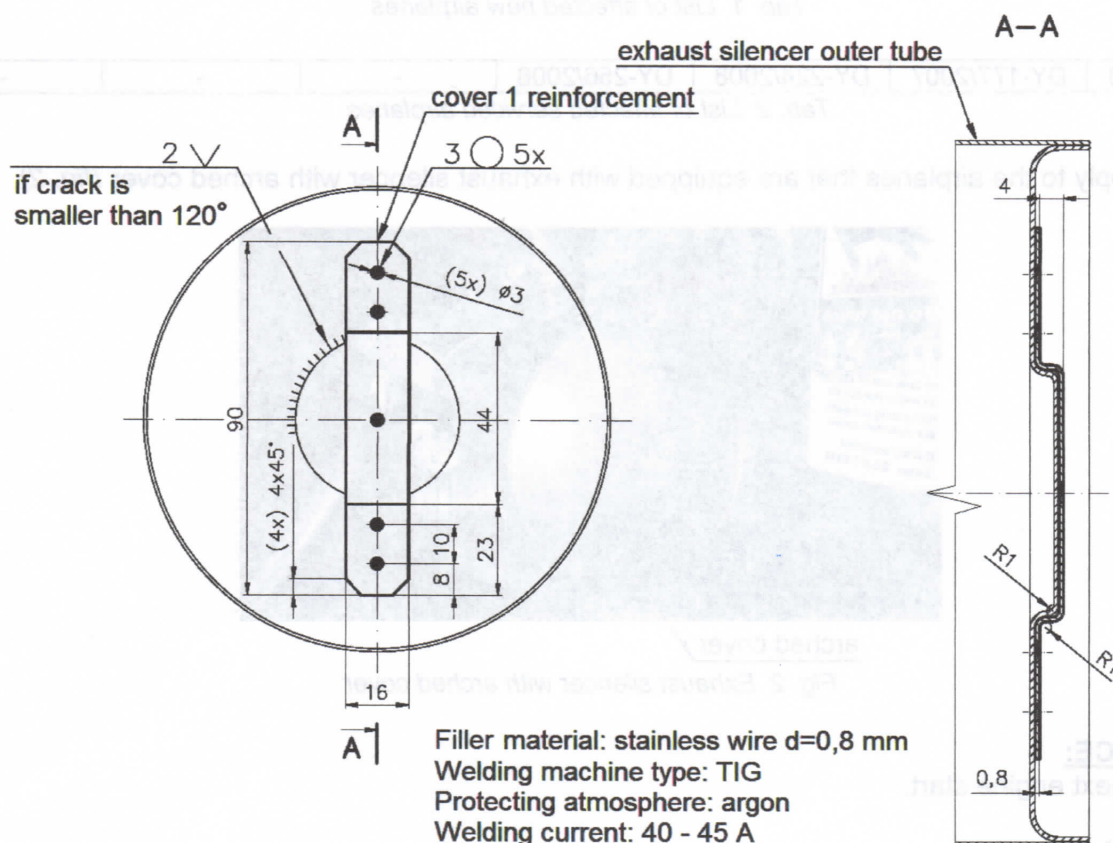


Fig. 4 Crack welding and modification of right cover of exhaust silencer

- C. If visible cracks are detected in larger range than 120° of circular flange, perform immediate the exchange of right cover of exhaust silencer according to fig. 5 (required material C) or follow the procedure D.

Be careful, when removing damaged cover, do not damage the edge of the exhaust silencer outer tube!

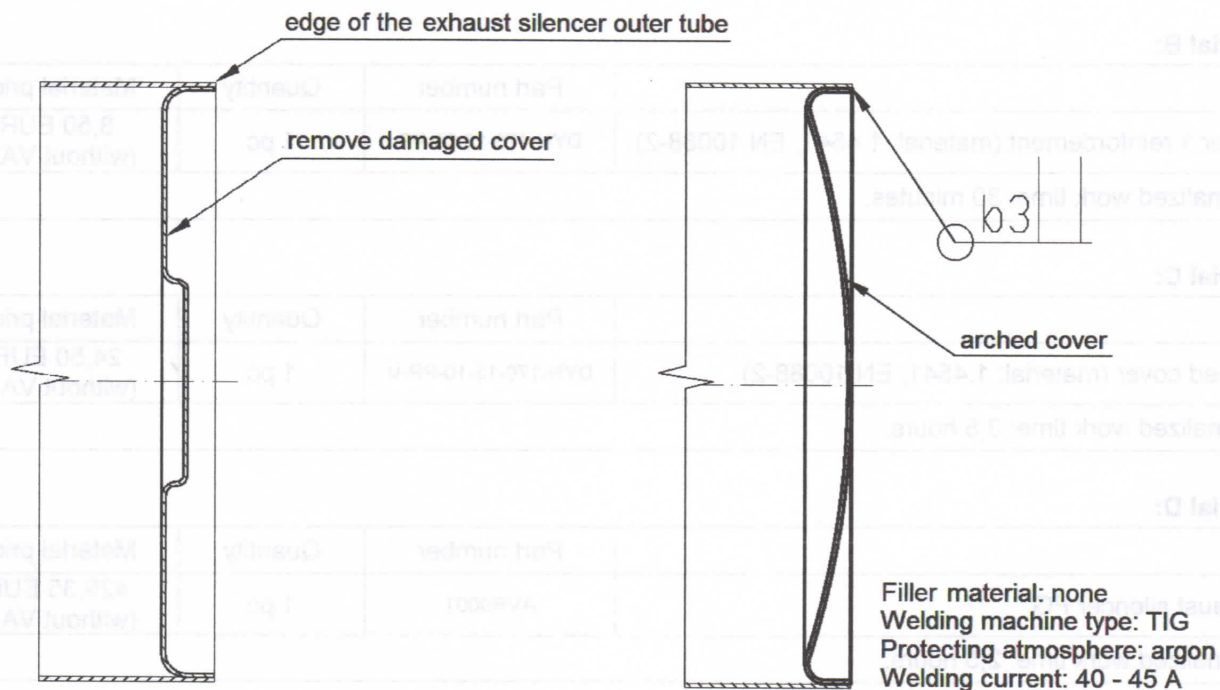


Fig. 5 Exchange of right cover of exhaust silencer

- D. Perform exchange of exhaust silencer FG (required material D).

DOCUMENTATION:

Record the compliance with this service bulletin into the aircraft documentation.

ENCLOSURES

None

Approved by:

Issued by:

CAA of Slovak Republic

Place, date, signature

Revizija: 11 08 2016

MATERIAL AND LABOUR TIME:**Material A:**

Part	Part number	Quantity	Material price
Cover 1 reinforcement (material: 1.4541, EN 10088-2)	DYN-170-13-09-PP	1 pc	8,50 EUR (without VAT)
Normalized work time: 20 minutes.			

Material B:

Part	Part number	Quantity	Material price
Cover 1 reinforcement (material: 1.4541, EN 10088-2)	DYN-170-13-09-PP	1 pc	8,50 EUR (without VAT)
Normalized work time: 30 minutes.			

Material C:

Part	Part number	Quantity	Material price
Arched cover (material: 1.4541, EN 10088-2)	DYN-170-13-10-PP-V	1 pc	24,50 EUR (without VAT)
Normalized work time: 3,5 hours.			

Material D:

Part	Part number	Quantity	Material price
Exhaust silencer FG	AVR0001	1 pc	429,35 EUR (without VAT)
Normalized work time: 2,5 hours.			

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)

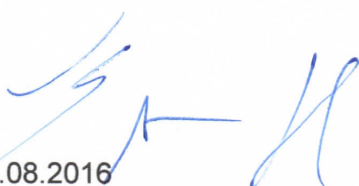
In box "Part description" notice "ZBWT9 20A / 2016, Rev. 0" and also required material (A, B, C or D).

DOCUMENTATION:

Record the compliance with this service bulletin into the aircraft documentation.

ENCLOSURES:

None.

Issued by:

Prievidza, 11.08.2016

Place, date, signature

Approved by:

CAA of Slovak republic