EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2012-0075R1 **Date: 30 July 2012** Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation

This AD is issued in accordance with EC 1702/2003, Part 21A.3B. In accordance with EC 2042/2003 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].

Design Approval Holder's Name :	**Type/Model designation(s) :**
Société de Motorisations Aéronautiques	SMA SR305-230 engine installation

Approval :	Supplemental Type Certificate (STC) 10013975 (formerly EASA.A.S.00774)
Foreign AD :	Not Applicable
Revision:	This AD revises EASA Emergency AD 2012-0075-E dated 30 April 2012, including its Correction dated 04 May 2012.

ATA 71	**Powerplant – Turbocharger and Intercooler Hoses – Replacement**
Manufacturer(s):	Société de Motorisations Aéronautiques (SMA)
Applicability:	Cessna Model 182M, 182N, 182P, 182Q, 182R, and (Reims-manufactured) F182P and F182Q aeroplanes, all serial numbers, if modified in accordance with STC 10013975 (formerly EASA.A.S.00774) (SMA SR305-230 engine installation)
Reason:	An anomaly has been discovered on the turbocharger outlet hose Part Number (P/N) SP01170454-0 installed according to SMA SB-C182-71-006. This condition, if not corrected, could result in a significant loss of manifold air pressure and increase of turbine inlet temperature (TIT) on some installations in service, possibly leading to a forced landing, damage to the aeroplane and injury to the occupants. For the reasons described above, this AD requires replacement of the turbocharger outlet hose P/N SP01170454-0, intercooler inlet hose P/N SP01170455-0 and intercooler outlet hose P/N SP01170456-0 with new design hoses. This AD has been revised make reference to Revision 2 of SMA Service Bulletin (SB) n° SB-C182-71-007, which allows the installation of updated P/N hoses. For the same reason, this revised AD no longer specifies the exact P/N of the new design hoses that must be installed.

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Effective Date:	Revision 1: 06 August 2012 Original issue: 02 May 2012
Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: (1) Before next flight after 02 May 2012 [the effective date of the original issue of this AD], replace the hoses as indicated in Table 1 with new design hoses, as specified in, and in accordance with the instructions of SMA SB N° SB-C182-71-007 (at any revision). Table 1 (2) From 02 May 2012 [the effective date of the original issue of this AD], do not install on an aeroplane a hose with a P/N identified as 'to be removed' in Table 1 of this AD.
Ref. Publications:	SMA SB n° SB-C182-71-007 original issue dated 26 April 2012, or Revision 2 dated 11 May 2012. The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.
Remarks:	1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication. 3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: ADs@easa.europa.eu. 4. For any question concerning the technical content of the requirements in this AD, please contact: SMA, Service Client, 10-12 rue Didier Daurat, 18021 Bourges, France, Telephone: +33 (0)2 48 67 56 00 - Fax: +33 (0)2 48 50 01 41, E-mail : customer_services@smasr.com.

Part Name	P/N to be removed
Turbocharger outlet hose	SP01170454-0
Intercooler inlet hose	SP01170455-0
Intercooler outlet hose	SP01170456-0

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