

File Name:	PRO_191120_C1_DL_CI_IB-DL-4-19- ManifoldPressureSiliconHose-(SB-42-021-2019)	Version & Date:	1 – 20/11/2019
Creator:	LHC	Approval:	LHC

Title (Titre): *IB-DL Manifold Pressure Silicon Hose (SB-42-021-2019) #4-19*

Form Procedure Contract GSC Sales Finance **C1**

EN – FR

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Issuing Date :	Date de Création :
20-11-2019	

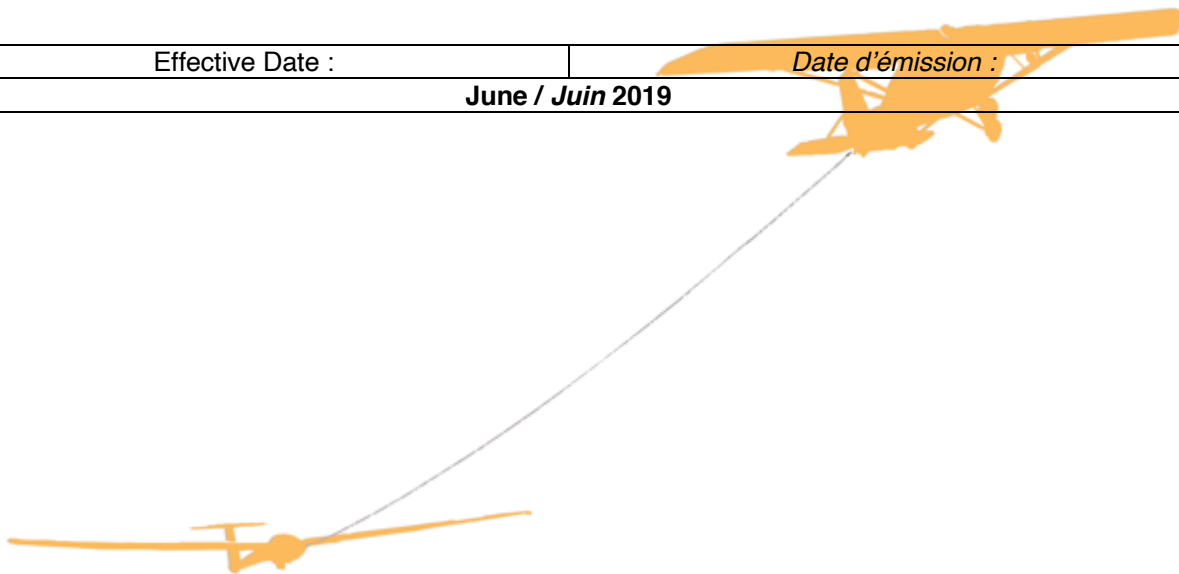
<p>Manufacturer – <i>Constructeur</i> :</p> <p>COMCO IKARUS GmbH Am Flugplatz 11 D-88367 Hohentengen Deutschland</p>	<p>Issuing Party – <i>Créateur</i> :</p> <p>DKL Light Sport Aircraft Sarl 6 rue Gaessel L-4735 Pétange Luxembourg</p>
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<p>Classification :</p> <p>Mandatory before next flight and every annual or 100 flight hours control, which occurs first</p>	<p><i>Classification :</i></p> <p><i>Obligatoire avant le prochain vol et tous les inspections annuel ou inspection de 100 heures de vol, qui s'approche en premier</i></p>
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<p>Concerned Types :</p> <p>All aircrafts of the C42 series equipped with a manifold gauge</p>	<p><i>Types concernés :</i></p> <p><i>Tous les aéronefs de la série C42 équipé d'un jauge de pression d'admission.</i></p>
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<p>Reason :</p> <p>At the manifold pressure holding nipple, the silicone hose was found in some case cracked or damaged.</p>	<p><i>Raison :</i></p> <p><i>Sur le point d'ancrage pour l'admission de la pression, et dans certain cas, le tube en silicone a été retrouvé avec des criques ou défectueux.</i></p>
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Effective Date :	Date d'émission :
June / Juin 2019	



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Reference :	Référence :
<i>SB-42-021-2019 Silicone hose at manifold pressure point</i>	

Airworthiness :	Navigabilité :
In the event of a defect noted on the hose, the pressure indication may lead to faulty values and may be advanced to an engine failure at low speed. At no corrective action is taken, the aircraft will no longer respond to its initial state of airworthiness and will no longer be able to fly.	<i>En cas de défaut constaté sur le tube, qui lui peut donner des valeurs erronées, ainsi en cas avancé provoquer une panne moteur en basse vitesse. Aucune action corrective ne soit réalisée, l'aéronef ne répondra plus à son état initial de navigabilité et ne sera plus en état de voler.</i>

Action :	Action :
Visual inspection must be taken, in case of damage:	<i>Inspection visuelle est à effectuer, en cas de défaut :</i>
The hose must be replaced by a durable petrol or lubricant hose (Tygon ®) type.	<i>Le tube est à remplacer par un tube de type (Tygon ®) durable pour essence ou lubrifiant.</i>
See the repair action recommended by the manufacturer.	<i>Voir les instructions de réparation recommandée par le constructeur</i>
The repairs must be accomplished or supervised by a competent technician	<i>Ces travaux doivent être menés ou supervisés par un technicien compétent.</i>

Registry :	Enregistrement :
Register the application of this bulletin and/or the repair works in the maintenance logbook of the aircraft.	<i>Enregistrer l'application de ce bulletin et/ou les réparations dans les documents de suivi de navigabilité de l'appareil.</i>

Amendment :	Amendement :
The pilot's operating handbook and maintenance handbook will be amended by the next issue.	<i>Le manuel de vol, de maintenance et d'entretien seront mis à jour lors de la prochaine édition.</i>

Approved by :		Approuvé par :	
Position	Signature	Date	
General Manager M. Lai Hoo CHAN		20/11/2019	
Chief Pilot/ Technical Advisor M. Eric VANDEVELDE		20/11/2019	



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SERVICE BULLETIN

SB-42-021-2019 Silicone hose at manifold pressure point

Date published: Juni 2019 Effectivity: from 03 June 2019

Subject

Check the silicone hose at the manifold pressure point and replace it with a petrol and lubricant hose (Tygon®). When inspecting a C42 aircraft with a built-in manifold pressure indicator, a damaged silicone hose was discovered in the area of the manifold pressure decrease.

Applicable

All IKARUS C42 with manifold pressure indicator up to serial number 1808-7544. Vapour deposits from liquids such as oil and fuel can cause the silicone hose to tarnish, attack the material and damage the hose at the connection point.

Deadline

Check on next pre-flight check.
 Next annual or 100h check, depending on which event occurs earlier.

Impact on Airworthiness

If the hose is damaged, the function of the manifold pressure indicator is impaired or may lead to failure of the indicator. The engine loses speed in the low speed ranges, which may result in engine failure.

Classification

„Service Bulletin“.

Weight and Balance

No effects.

Electrical Load

No effects.



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Required Actions

Service level	Simple
Qualification	Qualified person
Required tool	Access to affected component according to maintenance manual; side cutter.
Required materials	Petrol and lubricant hose (Tygon®) 4.8 x 8.0 mm (4.8 mm inner diameter); cable tie, heat-resistant; hose connection union nut (plastic, blue) with approx. 7 mm inner diameter

(a) Inspection

Visual inspection of the silicone hose in the engine compartment for damage.

(b) Repair

Recommended: Replacement of the hose connection between the manifold pressure decrease at the engine and the manifold pressure indicator in the cockpit.

Disassembly of the silicone hose between manifold pressure decrease at the connecting pipe of the intake manifold and manifold pressure indicator in the cockpit. The new hose should be installed in the same way as the old silicone hose. The fixation of the new hose at the manifold pressure decrease at the engine should be secured with a heat-resistant cable tie. Care should be taken that the cable tie is tight but does not cut into the hose. The new hose is fixed to the manifold pressure indicator in the same way as the old one with a union nut (plastic, blue, drilled to approx. 7mm).

Finally, the hose connection should be checked again for its tight fit at the connection points. The hose should be fixed with heat-resistant cable ties if the newly established connection can abut or rub against adjacent parts. Following the repair work, a test run with a check of the manifold pressure indicator is recommended. The entry of the action taken will be recorded in the machine's operating records. A complete repair kit can be obtained from COMCO IKARUS GmbH.

(c) Manual Supplement

None

