



**CRUISER  
AIRCRAFT**

# SERVICE BULLETIN

Czech Aircraft Group s.r.o  
Na Záhonech 212  
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info@cruiseraircraft.cz

No.: SB-CR-073

Date: 2020-06-29

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Rev.: 2

Date: 2024-01-22

<b>MODEL AFFECTED:</b>	PS-28 Cruiser SportCruiser / PiperSport operating under EASA rules
<b>SUBJECT:</b>	Inspection and lubrication of Gerdes or ACS ignition switches and installation of a diode across the starter solenoid coil, if the diode is missing.
<b>AIRCRAFT AFFECTED:</b>	All aircraft with Gerdes Products Co. or ACS Products Co. ignition switches installed.
<b>COMPLIANCE:</b>	Compliance with this Service Bulletin has to be accomplished within the next 100 hours of operation or at the nearest annual inspection, whichever occurs first. After initial compliance with this Service Bulletin, the ignition switches must be inspected and lubricated after every 2 000 hours of operation.

## DESCRIPTION:

This mandatory Service Bulletin contains instructions for inspection and lubrication of ignition switches manufactured by Gerdes Products Co. or ACS Products Co. and for installation of a diode across the starter solenoid coil, if missing.

## AUTHORISATION TO PERFORM:

Certifying staff in accordance with EU 1321/2014

## REASON:

This mandatory Service Bulletin is issued in consequence of issue of the FAA Docket No. 92-NM-165-AD; Amendment 39-8511; AD 93-05-06 and the ACS Products Co. Service Bulletin no. SB92-01.

Components of the switch terminal board have to be inspected for excessive wear or corrosion and lubricated. Damaged, corroded or worn parts have to be replaced.

In addition, it must be checked whether starter solenoid diode is installed on the solenoid coil.

For more details see the ACS Products Co. Service Bulletin no. SB92-01 and FAA Docket No. 92-NM-165-AD; Amendment 39-8511; AD 93-05-06 at the following addresses:

<https://acsproducts.co/wp-content/uploads/2021/01/SB92-01.pdf>

[https://ad.easa.europa.eu/blob/93-05-06.pdf/AD\\_US-93-05-06\\_1](https://ad.easa.europa.eu/blob/93-05-06.pdf/AD_US-93-05-06_1)

## MANPOWER:

3 hours, including engine run test (app. value)

## SPECIAL TOOLS:

Common tools for aircraft maintenance

## WEIGHT AND BALANCE:

No effect

## ELECTRICAL LOAD DATA:

N/A

## PUBLICATIONS AFFECTED:

CR-MM-1-0-00, Rev.23

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**MATERIAL AND COSTS:**

All costs to be covered by the aircraft owner/operator.

**MATERIAL:**

Item No.	NOMENCLATURE	DESCRIPTION	QUANTITY (PCS)
001	CA0052N	Diode harness	1

\*see the ACS Products Co. Service Bulletin no. SB92-01

**ACCOMPLISHMENT INSTRUCTIONS:**

1. Check the aircraft engine logbook and maintenance documentation, whether this Service Bulletin has already been accomplished.
2. Scope of work to be performed is determined according to the following criteria:

**Criterion A)**

**Aircraft with Gerdes or ACS ignition switches manufactured before February 20, 1989:**

These switches may be identified by absence of a red paint in the screw heads on the back of the switch and by manufacturing date stamped on the switch body. These switches must be inspected, lubricated and checked for presence of starter solenoid diode, see accomplishment instructions contained in the ACS Products Co. Service Bulletin no. SB92-01.

**Criterion B)**

**Aircraft with Gerdes or ACS ignition switches manufactured on or after February 20, 1989:**

These switches may be identified by the presence of a red paint in the screw heads on the back of the switch and by manufacturing date stamped on the switch body. These switches must be still inspected for presence of starter solenoid diode.

3. Move the aircraft to a suitable place to perform the work.
4. Remove the engine upper cowling (see the CR-MM-1-0-00, the latest revision).
5. Disconnect the battery terminals (see the CR-MM-1-0-00, the latest revision).
6. Decide on the applicable Criterion and related scope according to article No.2 above. Read thoroughly and perform accomplishment instructions contained in Chapter 12 of the CR-MM-1-0-00, the latest revision.
7. Connect the aircraft battery terminals.
8. Install the engine upper cowling (see the CR-MM-1-0-00, the latest revision).
9. Complete the aircraft records (log book) to reflect compliance with this Service Bulletin.

**APPROVAL:**

This Service Bulletin has been approved by:

<b>Title</b>	Head of Design Organization	Airworthiness Manager
<b>Name</b>	David Bilík	Jan Pejchar
<b>Hand written signature</b>		