

SPORT AIRCRAFT WORKS
6444 52nd TERRACE
PALM CITY, FL 34991

NO: SD-SC-007

DATE: 2009/10/31

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SAFETY DIRECTIVE -MANDATORY-

REV: -

DATE: -

MODEL AFFECTED: SPORTCRUISER

SUBJECT: NOSE GEAR LEG AND EXHAUST MUFFLER WELD INSPECTION AND REPLACEMENT

ASSEMBLED AIRCRAFTS AFFECTED: All SportCruisers

KITS AFFECTED: All SportCruisers Kits

COMPLIANCE:

INSPECT NOSE GEAR LEG AND EXHAUST MUFFLER WELDED AREAS

- a) Within the next hour of operation for aircraft first released to service or immediately after receipt of this directive
- b) After every hard landing occurrence, as soon as practical
- c) During each Preflight Inspection (Nose-Gear Leg Only)
- d) During each 25HR, 100HR and Annual inspection

DESCRIPTION:

As a safety precaution we are adjusting the mandatory inspection interval/schedule for all SportCruisers manufactured under Czech Aircraft Works, SRO. The objective of this communication is to notify current customers of a safety related issue involving the failure of welded areas of the nose gear leg and exhaust sub systems. Many aircraft in the world-wide fleet have reported cracks developing in these areas.

APPROVAL: The engineering design aspects of this bulletin are Sport Aircraft Works approved.

MANPOWER/SCOPE OF LABOR:

PLEASE NOTE: All repairs **must** be performed by Sport Aircraft Works, Inc repair facility at Palm City, FL., to ensure the proper servicing and repair of the nose gear leg and/or exhaust sub system.

SEND ALL DEFECTIVE PARTS TO THE FOLLOWING ADDRESS:

Sport Aircraft Works, Inc.
6444 52nd Terrace
Palm City, FL 34991
Call for easy shipping details.

WARRANTY: Warranty Coverage is not available for this modification..

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MATERIAL: Sport Aircraft Works Inc will provide all materials and labor for a fee to the customer on a per problem inspection basis, if any portion of the nose gear leg and/or exhaust muffler welded areas is found to be defective.

WEIGHT AND BALANCE: Insignificant.

REFERENCES:

SPORTCRUISER Maintenance and Inspection Procedures (MIP)

PUBLICATIONS AFFECTED:

SPORTCRUISER Maintenance and Inspection Procedures (MIP)

SPORTCRUISER Pilot Operating Hand Book (POH) Checklist

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SAFETY DIRECTIVE INSTRUCTIONS:

Nose-Gear Leg Assembly Inspection: Visually inspect the nose gear leg welded areas in the upper attachment brackets connecting to the shock absorber on the forward side for signs of metal fatiguing and or stresses in the form of cracks and fractures or any deformities in the paint anytime:

- a) Within the next hour of operation for aircraft first released to service or immediately after receipt of this directive
- b) After every hard landing occurrence, as soon as practical
- c) During each Preflight Inspection. (Nose-Gear Leg Only) Flight schools – for each new renter
- d) During each 25HR, 100HR and Annual inspection

If you uncover any fatigue points, cracks, or any sign of metal failures, the AIRPLANE MUST BE GROUNDED. YOU WILL NEED to remove the gear leg and send it to us for repair to the address given below. To remove the nose-gear leg, consult the Maintenance and Inspection Manual.

Exhaust Muffler System Inspection: Visually inspect the exhaust muffler at the welded portions where tubes are connecting into the large mass cylinder base. Identify any cracks in the areas where the welds connect the smaller exhaust tubes to the larger cylinder base or look in these areas for signs of metal fatiguing and or stress risers in the form of cracks and fractures, anytime:

- a) Within the next hour of operation for aircraft first released to service or immediately after receipt of this directive
- b) After every hard landing occurrence, as soon as practical
- d) During each 25HR, 100HR and Annual inspection

If you uncover any signs of failure, THE AIRPLANE MUST BE GROUNDED. YOU WILL NEED TO remove the exhaust muffler and send it back to us for repair. PLEASE NOTE: During our repair process, we will redesign the tailpipe attachment into the cylinder base in such a way that it will eliminate this problem from ever happening again.

PLEASE NOTE: All repairs **must** be performed by Sport Aircraft Works, Inc repair facility at Palm City, FL., to ensure the proper servicing and repair of the nose gear leg and/or exhaust sub system.

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