

Six Chuter International LLC

SAFETY DIRECTIVE

MANDATORY

A Safety directive will be distributed to all operators when a condition is found to exist that may also exist in other aircraft in the fleet and which would cause a deviation from original design or unsafe condition for flight, rendering the aircraft un-airworthy. This change, maintenance procedure, inspection procedure, or other procedures deemed appropriate by the manufacturer is mandatory and must be performed and documented in the individual aircraft logs in order for that aircraft to maintain compliance with ASTM standards.

SD-2013-01

Repeating symbols:

Please pay attention to the following symbols throughout this document emphasizing particular information.

- WARNING:** Identifies and instruction, which if not followed, may cause serious injury or even death.
- CAUTION:** Denotes an instruction which if not followed, may severely damage the engine or could lead to suspension of warranty.
- NOTE:** Information useful for better handling.

1) Planning Information

1.1) Aircraft affected

All versions of the aircraft type:

- Legend XL (582 engines) with Clamp Type Muffler Installation

-Various muffler installations have been approved. This directive is applicable to the latest version pictured below:



1.2) Concurrent SD/SB/SL

None

1.3) Reason

A report of failure of a muffler T Bolt clamp was reported on a Legend XL. The clamp broke with enough force to come loose and travel through the prop in flight. Examination of root cause discovered that the installation on the aircraft was done without proper safety wiring and without the approved high heat resistant T-Bolt Clamp.

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1.4) Compliance

1.4.1 Owner/Operators of light sport (experimental, special or amateur built) models must check to insure that the approved T Bolt Clamp is installed. The approved part is:

Clampco	T Bolt-Muffler	941JQ-0550 HO-9 Order # 15-05268
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1.4.2 Owner/Operators must insure that the T Bolt Clamps are properly safety wired to the muffler bracket. See the



photos below for example:

1.5) Approval

The technical content of this document has been approved by Six Chuter International Safety Staff.

1.6) Manpower

Safety Wiring of clamps to muffler bracket is estimated to require .25 hours. Replacement of T Bolt Clamps and Safety wiring is estimated to require .5 hours.

NOTE : Refer to maintenance manual for authorizations required for this repair/maintenance.

1.7) Mass Data

(No Changes)

1.8) Electrical Load Data

(No Change)

1.9) Software

(No Change)

1.10) References

In addition to this technical information refer to
- Maintenance Manual (MM)

1.11) Other Publications Affected

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None

1.13) Interchangeability of Parts

CAUTION All Special Light Sport certified aircraft are required to use this specific part. Experimental or Amateur Built certified aircraft should use the factory approved part, or an equivalent.

2) Material Information

2.1 Material – cost and availability Available from Six Chuter International LLC parts center 360 904-8766 . Retail cost is \$18.95 for each T Bolt Clamp, not including shipping

3) Accomplishment / Instructions

3.1) Instructions

3.1)1. Safety wire each clamp to the muffler bracket. Refer to maintenance manual for safety wiring techniques and the photos in 1.4.2 as example

NOTE Check your maintenance manual for authorization privileges for this installation:

3.2) Inspection **WARNING**

3.2)1. Insure that the proper clamp is installed. These have part number stamped on them and are distinctive with a red nut.

3.3) Summary

3.3)1. This service bulletin is mandatory for all Special Light Sport Certified Legend XL models with this specific muffler bracket installation. This service bulletin is optional, but highly recommended for owners of any Six Chuter powered parachute with a similar muffler support installation.

Further Information or Directions:

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