



2141 ICON Way, Vacaville, CA 95688 - Tel: 707.564.4000 – www.iconaircraft.com

SERVICE BULLETIN

SB-121020-A

ID NUMBER & REVISION: SB-121020-A
SUBJECT: BRS parachute rocket actuation cable thread Loctite.
RELEASE DATE: 01/19/2021
EFFECTIVE DATE: 01/19/2021
SUPERSEDES NOTICE: N/A
AIRCRAFT AFFECTED: **MAKE & MODEL:** ICON A5
SERIAL NUMBERS: ASN 00001 – 00125
REQUIRED ACTION: Application of Loctite 242 to the BRS parachute rocket actuation Bowden cable.
TIME OF COMPLIANCE: At next 100 hour or condition inspection, whichever occurs first.
REVISION HISTORY: A Initial Release

LEVEL OF CERTIFICATION	<input type="checkbox"/> Pilot/Owner	<input checked="" type="checkbox"/> A & P
REQUIRED (any level	<input type="checkbox"/> LSA Repairman – Inspection	<input checked="" type="checkbox"/> Certified Repair Station
checked can perform task):	<input checked="" type="checkbox"/> LSA Repairman – Maintenance	<input checked="" type="checkbox"/> Manufacturer

PURPOSE:

ICON Aircraft has determined that it missed a BRS-required manufacturing step during assembly of the BRS parachute system. Loctite 242 should have been applied to the threads connecting the rocket adapter cone to the rocket attach cone during the assembly of the Bowden cable that actuates the firing of the parachute rocket. ICON and BRS have both determined that there is no risk of accidental actuation of the rocket assembly and there have been no instances of accidental actuation due to this missed manufacturing step. Further, BRS testing has confirmed that the parachute rocket will still fire correctly in the event of unthreading between the rocket adapter cone and the rocket attach cone. This bulletin will detail the application of Loctite 242 to the threads connecting the rocket adapter cone to the rocket attach cone of the Bowden cable.

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ASSEMBLIES AND PARTS:

PART NUMBER	DESCRIPTION	QUANTITY	ALTERNATE	
			PART NUMBER	DESCRIPTION
LOCTITE 242	MEDIUM STRENGTH MIL-SPEC BLUE THREADLOCKER	A/N	LOCTITE 243	THREADLOCKER, PRIMERLESS, OIL TOL, REMOVABLE MED STR, BLUE

Special Tools:

- 1) N/A

INSTRUCTIONS:

- 1) In accordance with current of Maintenance Manual, remove the aft bulkhead baggage panel.
- 2) Locate the rocket attach cone and cone adapter of the Bowden cable behind the removed aft bulkhead baggage bulkhead, above the flap actuator, on the copilot side of the aircraft.

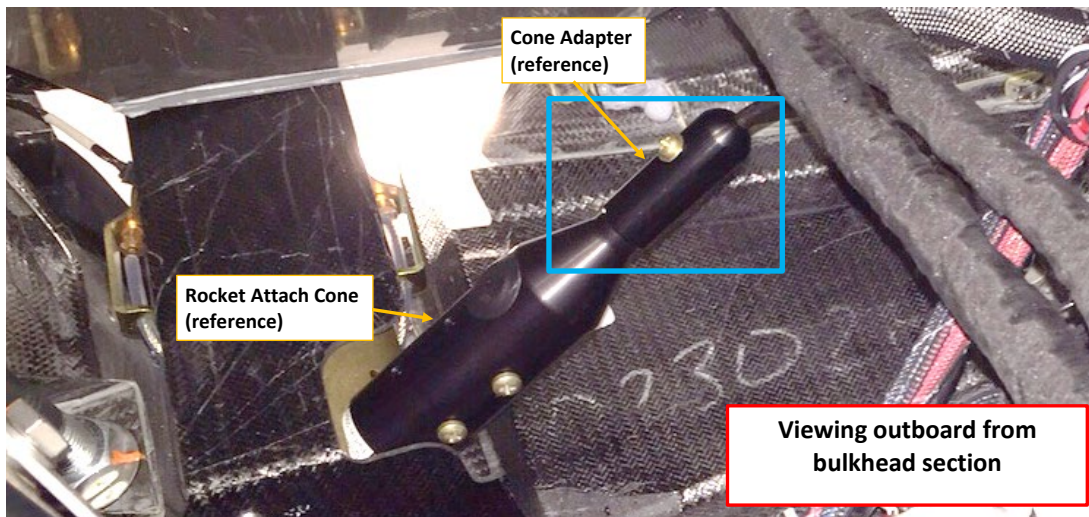
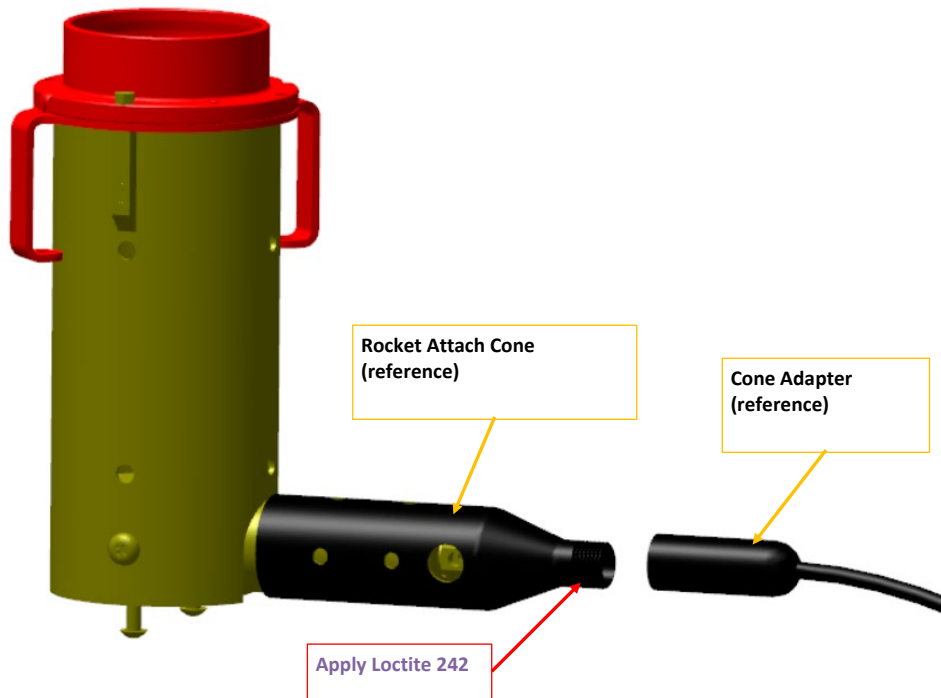


Figure 1: Cone Adapter Location

- 3) Unthread the adapter cone from the rocket attach cone. A spanner wrench may be required to break torque.
- 4) Apply Loctite 242 to the male thread of the rocket attach cone.

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- 5) Thread adapter cone and tighten to hand tight. (Hand tight torque is approximately 20-25 in-lbs)
- 6) In accordance with current Maintenance Manual, install the aft bulkhead baggage panel.

Make the following logbook entry:

“The corrective action of Service Bulletin SB-121020-A (BRS parachute rocket actuation cable thread Loctite) has been complied with (ref. FAA Exemption 10829B)”.

If you have questions, comments, or concerns about this Service Bulletin and/or if you are no longer owner/operator of this aircraft, please forward this information to the present owner/operator and notify ICON Aircraft at:

ICON Aircraft
2141 ICON Way
Vacaville, CA 95688
(855) FLY-ICON or (707) 564-4000
support@iconaircraft.com

Please include the aircraft registration number, serial number, your name, and if known the contact information of the new owner/operator.