



2561 Stouffville Rd
Gormley, ON, L0H 1G0
Telephone: 905-887-2370
Fax: 905-887-2375

Pro54 2G LB motors

Sep 13 2022

Cesaroni Technology Inc has noticed that there has been a higher failure rate than normally expected on Pro54 2G SK (J145) reloads. We have been looking into this matter and have verified the anomaly which stems from an over-pressurization after ignition.

Upon investigation it appears the cause is due to the tape around the igniter pellet plugging the bore of the nozzle upon ignition.

From here forward the Pro 54 2G Skidmark (699J145-19A) and 2G Red Lightning motors (614I100-17A) will no longer have an ignition pellet but instead will have a dipped igniter, like our larger Pro 54 LB motors.

However, to address all the affected reloads currently in circulation CTI has approved a small “in-field” modification to fix the issue. This modification can be done by the end-user during preparation for launch and simply involves removing the ignition pellet and replacing the supplied e-match. CTI has successfully conducted an entire series of motor testing with this modification. We also hope that if any end-user of these affected reloads does not feel comfortable conducting this modification themselves, they can seek the assistance of any ProX dealers at the launch site during preparation for flight. Furthermore, the current e-match supplied with the reloads will not be sufficient to ignite the motor without a pellet, therefore a typical “pyrogen type” igniter will be required. We will supply a number of these igniters to our ProX dealers to give out with the reloads that haven’t yet been modified.

A copy of the in-field modification instructions is included with this bulletin and can also be found on our website. It will also be supplied to the ProX dealers for public distribution

Dealers Inventory

To address the ProX dealers’ current inventory of motors (Pro 54 2G SK & RL) that are affected but not yet sold to the public, CTI is asking all dealers to place a label on the affected reload packaging identifying it as requiring the “in-field modification”. CTI can supply any dealers with either an electronic copy of label details for immediate printing or CTI can ship the label direct for them to be applied (at our cost). Please inform your CTI representative of which method works best for your time/schedule.

In addition, all future Pro 54 2G SK & RL reloads manufactured by CTI after September 15, 2022, will have an additional label (“QC Approved”) placed on the packaging identifying it as not requiring the in-field modification.

This will be done to reduce confusion between future reloads. We will keep this identification process in place for the next 2 years (or longer if deemed necessary).

We sincerely apologize for any inconvenience or hobby rockets that have been affected by this issue. For any hobby rocket failures in flight that occurred because of this pellet issue please follow the regular warranty process by contacting your ProX dealer. The dealers will then provide all the details to CTI so we can ensure you receive the appropriate warranty.

Sincerely,

Cesaroni Technology Inc

2561 Stouffville Road

Gormley, Ontario

LOH 1G0

Phone: 905-887-2370

Fax: 905-887-2375

Web Site: www.cesaroni.net www.pro38.com



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