

## BCL102 BARREL ALIGNMENT INSPECTION REQUEST

**MODEL:** BCL102

**MANUFACTURER:** Black Creek Labs

**REFERENCE NO:** N/A

**SUBJECT:** Barrel Alignment Inspection Request

**BACKGROUND:** The BCL102 is a rifle that was initially designed by North Eastern Arms and is now being manufactured by Black Creek Labs. There have been almost four thousand (4000) BCL102s sold in Canada since its original release date. This document is a voluntary statement from Black Creek Labs to inform owners of the BCL102 to perform an inspection on the barrel assembly alignment of their BCL102.

**INSPECTION REQUIREMENT:** Through warranty service requests, it has come to the attention of Black Creek Labs that six (6) BCL102 rifles have been confirmed to have a barrel assembly that has come out of alignment through “normal use” and/or by the removal or attempted removal of a muzzle device without the use of a reaction rod,<sup>1</sup> and through the build up of BCL102 receiver sets with third party parts.

As we have six confirmed cases of barrel assemblies that are out of alignment with varied symptoms including “out of breach” firings and cycling issues, Black Creek Labs is issuing a requirement that all BCL102 owners perform an inspection on their barrel to ensure that it is in the correct alignment.

If a BCL102 is attempted to be fired when the barrel assembly is out of alignment, it can cause improper cycling that may look like failures to eject and/or failures to extract. If a BCL102 is fired out of alignment when the barrel assembly is slightly out of alignment in a manner in which the bolt can still lock into an unaligned barrel extension, it can also cause the bolt to blow back out of the fully locked position creating what is known as an Out Of Breach (OOB) firing.

All owners or operators of a BCL102 should visually inspect their rifle in order to determine if their barrel is out of alignment.

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<sup>1</sup> A reaction rod is an armorers tool that sits into the upper receiver and locks the barrel extension in place so the barrel does not misalign when placing force on the barrel or muzzle device.

**FOR**

All users of the BCL102

**FROM**

Rob MacIntyre  
CEO – Black Creek Labs

**DATE**

20 July 2019

**COPY CLASSIFICATION**

Unclassified

**REQUIRED ACTION**

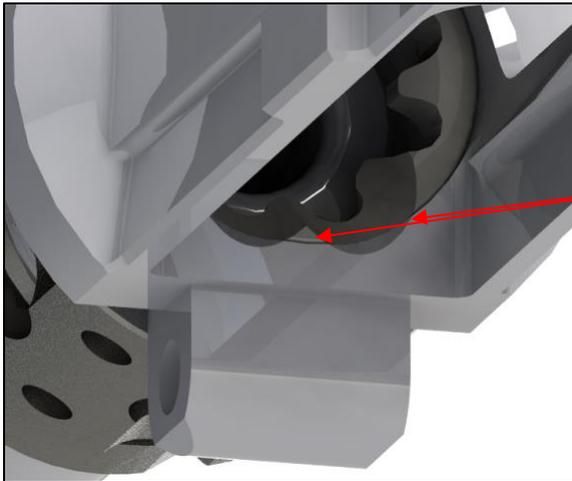
Distribute to all

Please contact Hailey at [support@blackcreeklabs.com](mailto:support@blackcreeklabs.com) the Black Creek warranty department if:

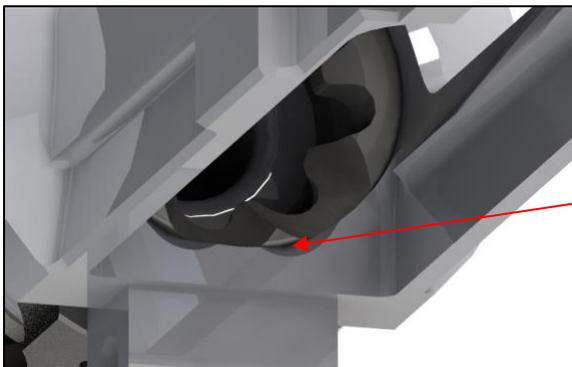
- Upon inspection, you believe that your barrel may be out of alignment.
- If you have successfully, or unsuccessfully, attempted to remove your barrel.
- If you have successfully, or unsuccessfully, attempted to remove a muzzle device.
- If you are uncomfortable inspecting your own barrel or are in doubt.

**INSTRUCTIONS:** Complete a visual inspection of the barrel assembly to ensure that it is in alignment with the ramps in the upper receiver. This can be done by following these steps:

1. Ensure your rifle is made safe and that you follow all of the firearms safety rules as per the BCL102 manual.
2. Remove the bolt carrier group from the upper receiver.
3. Look from under the upper receiver at the feed ramps to ensure the barrel extension feed ramps are aligned with the corresponding ramps inside the upper receiver.

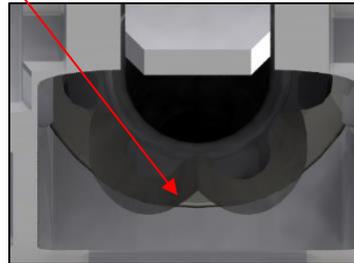


*Figure 1 Properly aligned feed ramps & barrel*



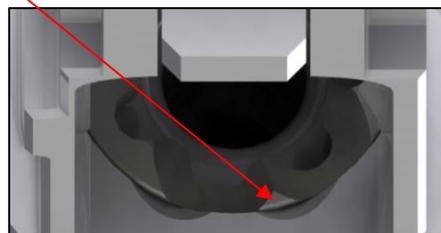
*Figure 3 Improperly aligned feed ramps & barrel*

Ensure that the barrel extension feed ramps (on both sides) are aligned with the ramps in the upper receiver.



*Figure 2 view through magwell*

The BCL102s that are showing a barrel misalignment are similar to Figure 3/4, where the edges of the feed ramps are twisted out of alignment with the edge of the ramps on the upper receiver.



*Figure 4 Improperly aligned feed ramps*