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| 3. 4 th lever | 11. 1 st lever spring adj. |
| 4. 2 nd lever spring screw | 12. 1 st pull screw |
| 6. Cap screw, M4x12 | 13. 2 nd pull screw |
| 7. Spare spring | 14. Finger clamp screw |
| 8. Fwd. travel screw | 15. Finger rail |
| 9. 1 st lever | 16. 2 nd lever |
| 10. Backlash screw | 17. Safety link |
| | 18. 3 rd lever |

Overview

Two-stage mode (recommended)

The trigger is factory-set for two-stage operation with a final pull weight of 0.5, 0.8 or 1.6 kg with approx. 60% on the first pull.

In two-stage mode, the initial sear engagement is large and is reduced to a safe minimum during the first pull. At the end of the first pull, the leverage changes to provide a heavier second pull with a creep-free let-off.

If the trigger finger is released without firing after the first pull, the trigger resumes full sear engagement and the safety catch (if fitted) can be re-engaged.

The #12 first pull screw is fitted with a ball bearing against the second lever. This ensures a smooth, friction-free first pull with reduced wear for long-term consistency.

Single-stage mode

In single-stage mode the sear engagement is pre-set to a minimum. Only the #13 second pull screw is used, and the safety catch (if fitted) is not operational.

Lighter/heavier weights

A lighter- or heavier-weight first lever spring is located in the #7 recess under the cover plate.

Trigger finger

The standard trigger finger is reversible; one side is straight and knurled; the other side is slightly curved. A traditional curved forward trigger finger (as illustrated) is also available. Most aftermarket smallbore trigger fingers can be fitted on the standard Ø 3.5 mm rail.

The trigger finger can be adjusted lengthwise by slackening the #14 clamp screw. The finger can also be canted sideways on its rail before re-tightening the #14 clamp screw.

Safety catch

The safety mechanism, if fitted, is incorporated in the cover plate. When replacing the cover plate, place the safety lever in the forward (fire) position and ensure that the safety link is correctly installed. The safety link can be temporarily held in position with a piece of fishing line looped through the cover plate screw hole.

Installation

To ensure safe operation, it is important that the trigger be installed and adjusted by a gunsmith or other competent person. It is also advisable to have a full safety check undertaken on the rifle at this time.

Installation and adjustments should be carried out using the enclosed 1.5 and 2.0 mm hex ("Allen") keys.

Before attempting to install a trigger to an action, unload the rifle, remove and/or empty the magazine and remove the bolt. The trigger can be damaged if it is installed while the bolt is in place.

Disassemble the bolt, remove the cocking pin, and stone a 0.5 to 1.0 mm radius on one edge as shown in the accompanying picture. (Note that the cocking pin is reversible, with one sear edge further from the pin axis than the other. The edge to be rounded is the one closest to the axis). Re-assemble the bolt with the newly rounded edge of the cocking pin facing forward. If you prefer not to carry out this modification, we can supply an already modified cocking pin.



Remove the rifle action from the stock and remove the two M4 cap screws which hold the trigger to the underside of the receiver.

Fit the CG trigger to the receiver using the two stainless steel M4x12 cap screws supplied with the CG trigger. Tighten the cap screws with a 3.0 mm hex key so that the trigger frame is secure on the receiver.

It may be necessary to relieve the stock slightly to clear the CG trigger. It may also be necessary to relieve the trigger guard or floorplate.

Adjustment procedure

It is easier to set the trigger with the action removed from the stock in order to observe the operation of the trigger mechanism through the holes in the cover plate.

Note: Each setting screw of your trigger is secured by a nylon friction device. The use of thread-locking compound is not recommended.

Two-stage setting

- Adjust the #8 forward travel screw so that the #15 finger rail is parallel to the bottom of the trigger housing.
- Gently screw in the #10 backlash adjustment screw just enough to block movement of the first lever and finger rail.
- Close the bolt and check that the action cocks. If not, unscrew the #12 and/or #13 screws until it does.
- With the action cocked, slowly screw in the #13 second pull screw until the action fires, then back it off ¼ turn.
- Re-cock the action and repeat the previous step with the #12 first pull screw.
- Open the bolt and unscrew the #8 forward travel screw at least 2½ full turns or until the safety catch (if fitted) can be freely engaged.
- Re-cock the action and, while applying pressure to the trigger finger, unscrew the #10 backlash screw until the action fires. Unscrew the #10 backlash screw at least another ½ turn to ensure sufficient backlash clearance.

Spring settings

- Completely slacken the #11 first lever spring screw and, using a 2.0 mm hex key, adjust the #4 second lever spring for a final pull weight as shown in column (2) of the table overleaf.
- Select a first lever spring from column (1) of the table overleaf and adjust it to give the desired final pull.

Spring setting table

(1) 1 st lever spring	(2) 2 nd lever setting (g)	(3) Final pull range (g)
Light (0.35 mm wire dia.)	250**	300-450
Light (0.35 mm wire dia.)	400**	450-600
Heavy (0.55 mm wire dia.)	500**	700-1000
Heavy (0.55 mm wire dia.)	700-800**	1000- 1800

****Please note:** After adjusting the #4 second lever spring it is important to check that the second lever resumes full sear engagement when the trigger finger is released after the first pull (i.e. without firing). The movement of the second lever can be observed through the holes in the cover plate and/or from the underside of the main housing.

****IMPORTANT:** Any failure of the second lever to resume full engagement when the trigger finger is released during the first pull is a potentially dangerous malfunction requiring immediate cleaning or adjustment of the trigger.

Single-stage setting

Carry out steps 1 to 4 and step 7 as for two-stage setting. The safety catch (if fitted) is not operational in single-stage mode.

Care and Maintenance

After barrel cleaning, flush with lighter fluid and lubricate sparingly with WD-40 or a similar light oil which will evaporate to leave a dry lubricating coat.

When used in very dusty conditions, the trigger will operate satisfactorily without lubrication provided that the final pull weight is set to 500 grammes or more.

Congratulations on purchasing a Jackson Rifles CG Universal trigger. The trigger was designed by Robert Chombart, who also designed the CG MILLENNIUM action and CG CENTRA long-range target sights.

The trigger can be set for single- or two-stage operation with a final pull weight range of 350 g to more than 1800 g.

The CG Universal trigger uses various upper frames, each corresponding to a specific rifle action. The upper frame contains the final lever(s) of the trigger. A standard interchangeable main housing is attached to this. This unique feature ensures similar functioning and settings, whatever action the trigger is fitted to.

An advantage of this interchangeability is to allow similar "feel" when using the trigger on different rifles.

The trigger mechanism is made of stainless steel in a hard-anodised aluminium alloy housing, for long-term corrosion resistance.

Guarantee

Every CG Universal trigger carries an unconditional lifetime warranty against defects of materials or workmanship. If a problem occurs, the trigger will be repaired or replaced at our option.

If for any reason you are not 100% satisfied with your CG Universal trigger, please return it within 30 days in good condition for a full refund.

Jackson Rifles

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Jackson Rifles

"CG Universal" two-stage rifle trigger

RPA Quadlock

Options: Backlash adjustment
Top safety

Final pull setting (grammes):

500 g 800 g 1600 g