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|---------------------------------------|---------------------------------------|
| 1. Safety lever | 11. 1 st lever spring adj. |
| 3. 4 th lever | 12. 1 st pull screw |
| 4. 2 nd lever spring screw | 13. 2 nd pull screw |
| 6. Cap screw, M6 | 14. Finger clamp screw |
| 7. Spare spring | 15. Finger rail |
| 8. Fwd. travel screw | 16. 2 nd lever |
| 9. 1 st lever | 17. Safety link |
| 10. Backlash screw | 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 approximately 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 trigger finger (as illustrated) is also available. Most aftermarket smallbore trigger fingers can be fitted on the standard Ø 3.5 mm rail.

The 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 #1 safety lever in the forward (fire) position and ensure that the #17 safety link is correctly installed. The #17 safety link can be temporarily held in position with a piece of fishing line looped through the cover plate screw hole.

Installation

This trigger is designed to fit Tikka models 558, 658, 590, 690, 595 and 695 only. Do not attempt to fit it to a Tikka T3. The CG Universal trigger for Tikka T3 actions looks similar but has a different 4th lever.

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.

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.

Remove the rifle action from the stock and, using a 2.5 mm hex key, screw in the M5 trigger weight adjustment screw which is located at the front of the original trigger. This screw usually has some red paint or thread-locking compound on it. Screw it in a couple of turns so that it is well clear of the #6 M6 cap screw which secures the original trigger to the receiver. Now, using a 5 mm hex key, remove the #6 M6 cap screw and remove the original trigger.

Fit the CG trigger to the action and secure it with the same #6 M6 cap screw.

It may be necessary to relieve the stock slightly to clear the safety-type cover plate (if fitted). It will also be necessary to relieve the front of the trigger guard to clear the front of the trigger housing.

Adjustment procedure

Each CG Universal trigger is set and tested on an action after manufacture, so the following procedure should rarely, if ever, be necessary.

Adjustments should be carried out using the enclosed 1.5 and 2.0 mm hex keys.

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.
- 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.

Spring settings

- Completely slacken the #11 first lever spring screw and, using a 2.0 mm hex key through the hole in #3 fourth lever, adjust the #4 second lever spring for a final pull weight as shown in column (2) of the table below.
- Select a first lever spring from column (1) of the table below and adjust it to give the desired final pull.

(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 3 overleaf as for two-stage setting (or steps 1 to 4 and 7 below if the trigger is fitted with backlash adjustment.

The safety catch (if fitted) is not operational in single-stage mode.

Two-stage setting (with backlash adjustment)

The CG trigger for Tikka model 5xx and 6xx actions is normally supplied without a backlash or "over-travel" adjustment screw to minimise interference with the factory trigger guard or magazine floorplate. For single-shot competition rifles, the CG trigger can be supplied with a #10 backlash adjustment screw situated just in front of the #11 first lever spring adjustment screw. The procedure for setting-up this model is as follows:

1. Adjust the #8 forward travel screw so that the #15 finger rail is parallel to the bottom of the trigger housing.
2. Gently screw in the #10 backlash adjustment screw just enough to block

movement of the first lever and finger rail.

3. Close the bolt and check that the action cocks. If not, unscrew the #12 and/or #13 screws until it does.
4. With the action cocked, slowly screw in the #13 second pull screw until the action fires, then back it off ¼ turn.
5. Re-cock the action and repeat the previous step with the #12 first pull screw.
6. 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.
7. 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.

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.

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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 300 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

Tikka 5xx/6xx

Options: Backlash adjustment
Top safety

Final pull setting (grammes):

500 g 800 g 1600 g