



Parts:

1. 1st stage travel adjustment screw
2. 1st sear engagement adjustment screw
3. 2nd sear engagement adjustment screw
4. 1st stage weight adjustment screw
5. 2nd stage weight adjustment screw
6. overtravel adjustment screw
7. first lever
8. second lever
9. third lever

NOTICE: Following any adjustment of your trigger's pull weight settings, it is imperative that the function checking procedures laid out in the "Test Functioning" section of this manual be followed.

PULL WEIGHT ADJUSTMENT

Both of the trigger's pull weight adjustment screws may be adjusted using the included 2mm hexagon key. Adjustments should be made incrementally, ¼ to ½ turns at a time, until the desired pull weight is achieved.

The #4 screw is the 1st stage pull weight adjustment. The #4 screw is turned clockwise to increase 1st stage pull weight, and counterclockwise to decrease it.

Two 1st stage trigger springs, a 'light' spring and 'heavy' spring are provided with the Accuracy International Competition Trigger.

- The trigger comes from the factory with the 'light' spring installed; this spring is suitable for providing cumulative trigger pull weights from 10oz (0.63lbs) to 2lbs.
- The 'heavy' spring is capable of achieving cumulative pull weights from 1.5lbs to 3lbs and should be installed if pull weights significantly higher than the trigger's factory setting are desired.

The #5 screw is the 2nd stage pull weight adjustment. This adjustment screw can only be accessed with the trigger removed from the rifle action. The #5 screw is turned clockwise to increase 2nd stage pull weight, and counterclockwise to decrease it. While fine tuning 2nd stage pull weight, you may find that the 1st stage pull weight increases slightly; this is common, as the 2nd stage spring puts 'back pressure' all through the entire mechanism. This can be easily remedied by turning the #4 screw counterclockwise in small increments as necessary, to reduce 1st stage pressure back to the desired level.

1ST STAGE TRAVEL ADJUSTMENT

1st stage travel is adjusted by turning the #1 screw, using the provided 0.050" hexagon key. Turn the #1 screw clockwise to decrease travel length, and counterclockwise to increase travel length. (The Accuracy International Competition Trigger ships from the factory with 1st stage travel set to its full length.)

OVERTRAVEL ADJUSTMENT

Overtravel limitation is accomplished by adjustment of the #6 screw, using the provided 0.050" hexagon key. The trigger must be removed from the rifle in order to adjust overtravel. The Accuracy International Competition Trigger ships from the factory with overtravel left fully open. To set the overtravel stop, turn the #6 screw clockwise.

SEAR ADJUSTMENT

WARNING: The sear adjustment instructions provided below are given for maintenance purposes only. Adjustments to the trigger's sear screws should be made only to return a malfunctioning or out-of-adjustment trigger unit to working order. Under no other circumstances should the user attempt to make adjustments to these screws; doing so may render the rifle unsafe.

The sear adjustment process requires dry-firing the rifle. Before beginning, the user must first verify that the rifle is completely unloaded and that no ammunition is present in the work area.

The #1 screw is the 1st stage travel adjustment screw. It may be adjusted using the included 0.050" hexagon key. Turn the #1 screw clockwise until the 1st lever (part #7) is brought to an orientation approximately parallel to the trigger body. (The trigger will have to be removed from the rifle action in order to complete this step.)

Reinstall the trigger. Retract the rifle's bolt and close it gently, observing whether the rifle cocks. If the striker does not cock upon closing the bolt, using the included 0.050" hexagon key, rotate both #2 and #3 screws counterclockwise several revolutions, and attempt to re-cock the rifle; repeat this process until the rifle cocks.

With the rifle cocked, gently and slowly turn the #2 screw clockwise until the rifle fires. Once the striker/firing pin has fired, attempt to re-cock the rifle. At this stage, the rifle should not cock. (If the rifle does cock, continue turning the #2 screw clockwise until the rifle 'fires' and cannot be re-cocked.) If the rifle does not cock, rotate the #2 screw counterclockwise ¼ turn; the rifle should now be able to be cocked. Attempt to re-cock the rifle. If the rifle still does not cock, rotate the #2 screw counterclockwise an additional ¼ turn; repeat this step until the rifle cocks.

If the rifle now cocks following adjustment of the #2 screw, follow the process in the above paragraph with the #3 screw. Once the rifle cocks after adjustment of the #3 screw, rotate the #1 screw (1st stage travel adjustment) counterclockwise until the trigger's 1st lever (part #7) returns to its full angled orientation (as it was when the trigger was first unpackaged).

The trigger should now be functioning (minus 1st stage travel, which may be adjusted to suit by turning the #1 screw clockwise until desired length of travel is achieved). Cock and dryfire the rifle several times to ensure that engagement of the trigger sears feels correct and is not dangerously 'light' or minimal. It should be possible to pull the trigger up to the point of the 2nd stage and feel a hard stop, or 'wall'. It should take a deliberate effort to fire the trigger from this point.

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BACKGROUND

The Accuracy International Competition Trigger is a true two-stage trigger which allows for user adjustment of sear engagement, 1st & 2nd stage pull weights, 1st stage travel, and overtravel. Depending on spring set, it will perform reliably when set with a minimum cumulative pull weight of approximately 10oz (0.56lb).

INSTALLATION

This trigger unit is a drop-in replacement for your Accuracy International rifle and installs using all of the original mounting hardware. Installation of the trigger requires that the rifle's bolt assembly first be either retracted to the full 'open' position or completely removed from the action. Attempting to install the trigger with the bolt in the closed/locked position will result in damage to the rifle and trigger.

ADJUSTMENT OVERVIEW

There are six points of adjustment available on the Accuracy International Competition Trigger:

- Sear engagement screw #1* • Sear engagement screw #2*
- 1st stage travel • 1st stage pull weight †
- 2nd stage pull weight † • Overtravel

Because of the locations of these screws, adjustment of 2nd stage pull weight, 1st stage travel and overtravel can only be performed with the trigger removed from the rifle action.

***WARNING:** This trigger's sears were pre-adjusted at the factory to a set specification designed to provide optimum performance, reliability & safety. Other than to return an out-of-adjustment trigger unit to this condition, under no circumstances should the user attempt to make adjustment to the 1st or 2nd sear engagement screw positions; doing so may render the rifle unsafe.

† The Accuracy International Competition Trigger comes preset from the factory with a 1st stage pull weight of approximately 0.8lbs (12.8oz), and cumulative pull weight of approximately 1.5lbs. It is not recommended that pull weight adjustments be made without first installing the trigger and repeatedly dryfiring the rifle, to determine whether the factory pull weight settings are desirable to the shooter.