

V-Mach Custom Rifles Limited

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Re-Settable Safety Catch Fitting Instructions

Disclaimer

Thank you for purchasing one of our custom Re-Settable (RS) Safety Catches. The unit supplied is of the same high quality as fitted to our tuned and custom rifles.

We recommend that, if possible, RS Safety Catches should be fitted by a competent gunsmith. We do not accept any responsibility for personal injury or rifle damage incurred whilst fitting this unit.

If you experience any difficulties in fitting the unit, please contact us.

Pre-Fitting Checks

- Please read the fitting instructions and disclaimer thoroughly.
- Ensure that you have the correct unit to suit your rifle.
- If your unit is incompatible, please contact us on 07850 296360 or at v-mach@air-rifle-tuning.com for assistance.

Fitting

- 1 Check that the rifle is uncocked and unloaded.
- 2 Remove stock, scope and fittings.



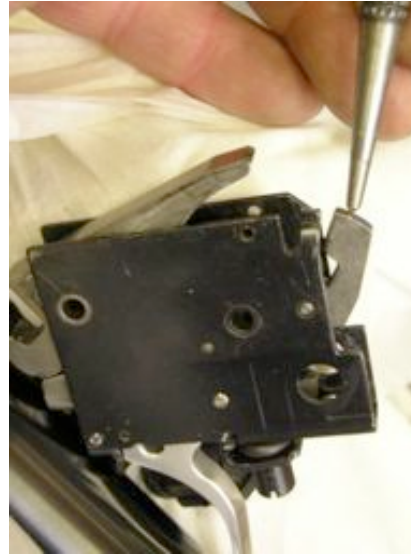
Pic 1: Tap out the 2 retaining pins that hold the trigger mechanism in place. Hold the Safety Catch whilst doing so, to stop it popping out.



Pic 2: Remove the trigger mechanism and the Safety Catch with spring.



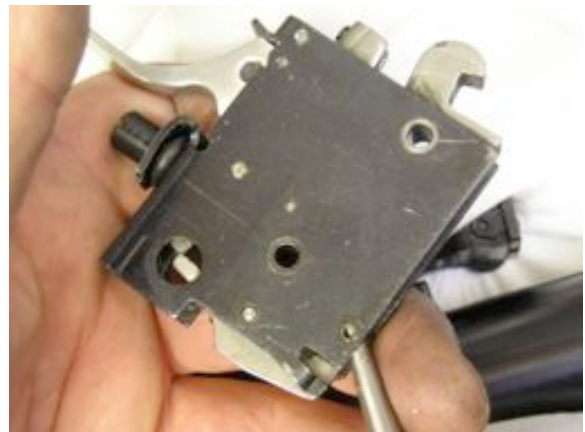
Pic 3: Fit the RS Safety Catch with the spring from the original into the action, in the position shown.



Pic 4: This area can benefit from light stoning and polishing. Ensure that once the trigger has been pulled, that the sear has sufficient clearance to fall away and allow complete disengagement.



Pic 5: This area, as in Pic 4, can also be lightly stoned and polished. This may assist the smooth re-set of the Safety Catch. Light stoning to the areas highlighted in Pic 4 and 5 will not alter the safety of the mechanism in any way, the intension is to just improve the surface finish, which can vary in production.



Pic 6: After steps in Pic 4 and 5, degrease the unit thoroughly and oil with a light machine oil or similar. Cock the trigger manually by pressing down on the top sear near the rear portion, this will engage all of the sears and refit to the action in the cocked state.



Pic 7: The trigger fitted into the action, Safety Catch in the off position and trigger still cocked.



Pic 8: With the pins in place, pull the trigger. The rear sear should completely disengage from the interlocking sear. The sears when engaged can be clearly seen in Pic 7.



Pic 9: Repeat the manual cocking process, this time by pressing onto the sear from beneath, firmly with a pin punch or similar.



Pic 10: Depress the Safety Catch and cam backwards to ensure that the Safety Catch is re-setting. This is visible showing the sears disengaged as in the picture. Pulling the trigger will confirm that the Safety Catch is still on. Push the Safety Catch forward again, pull the trigger and check that once more the trigger has completely disengaged.

Important: The fitting sequence must be carried out as detailed above to ensure that function is correct before attempting to cock and fire in the usual manner. Failure to do so could possibly render the gun cocked and unable to discharge.

- 3 If you are unsure that you would be able to carry out any of the above modifications with confidence, contact us at v-mach@air-rifle-tuning.com or on 07850 296360 or arrange for us to fit for a nominal charge.

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