

### SAFETY TYPES IN REMINGTON FIREARMS

The present line of Remington firearms includes three (3) general types of safeties. The first commonly-used type, particularly in the modern line, is referred to as the "cross bolt" type. Another type used on both modern center fire and the early 500 Series of rim fire rifles was the "side lever" type. A third type is used in only one instance, and that on the M/514 single shot 22 caliber rim fire rifle.

#### Cross Bolt

The cross bolt safety is used on the Models 11-48, Spts.-48, Spts.-58, 870, 740, 760, 572 and 552. This type of safety is operated with the trigger finger, with an across and return motion. It is positioned in the trigger guard at the rear of the trigger. In operation it blocks the trigger movement only. A red indicator stripe is banded on this safety to be visible in the FIRE position and not visible in the ON SAFE position. This type of safety is available for right and left hand shooters and is interchangeable, and a common part for all of the above mentioned model uses.

#### Side Lever Safety

This type of safety, although commonly known as the side lever type, operates quite differently with regard to the models in which it is used. When used for the Models 721, 722, 725 and 40X rifles the safety functions to hold the firing pin in a cocked position and lock the bolt closed. The M/725 safety has

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a modification which provides a third function which permits the bolt to close but still retain the firing pin in an ON SAFE position. The side lever safety is thumb-operated with a forward and back motion. It is located at the rear right hand side of the receiver and assembled to the trigger housing. In the ON SAFE position the firing pin is locked in a cocked position and the bolt is locked closed. The internal functioning of this safety provides a supporting member which locks the sear against the withdrawn firing pin. The forward motion of the safety to the FIRE position removes this support and permits the firing pin to cam the sear downward when the trigger is pulled. A blade component as an integral part of this support cam, will with the same motion channel into a bolt cut for the locking of the bolt in the ON SAFE position also.

The only markings for this side lever safety in this group of rifles is on the M/725. An S marking is inscribed on the receiver for the ON SAFE position to the rear, and an F marking is inscribed in the forward location for the FIRE position. The safety components are interchangeable and common in all four models mentioned above except for a slight modification to provide for a middle notching position for the M/725.

**Side Lever Safety (Trigger Block)**

Another version of the side lever safety is used on the 500 Series of rim fire rifles. These models include the 510, 511, 512, 513, 521 and 550. This safety, although considered a side lever type, functions quite differently from the one used on

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the Models 721, 722, 725 and 40X. The function of this safety is to block the movement of the trigger only. It is located at the rear of the receiver and is thumb operated with a forward and return motion. There are two red indicator markings for the FIRE position of this safety. One marking is a spot on the receiver which is visible in the FIRE position of the safety. Another red marking is a banded stripe visible on the rear of the firing pin when the bolt is in the cocked position. This safety component is interchangeable within the 500 Series except when used on the single shot M/510. A modification of the safety is used on this model to provide an additional safety feature. This additional safety feature permits the safety to "go on" automatically, so called, when the bolt is closed.

#### **Rotary Bolt Cap**

This type of safety is used on the single shot M/514 only. It is located on the bolt and assembled as a rotary bolt cap. Its motion is over and back, and blocks the trigger movement in the ON SAFE position. A red indicator marking is visible on the bolt cap when rotated to the FIRE position. This red indicator band is not visible when rotated to the ON SAFE position.

In addition to the safety component itself, and its direct functions, there are safety features in each of the related model groups that are considered as "built into" the design. In the family of guns using the cross bolt type, no connection is possible

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between the sear and the trigger component unless the action is fully closed. The dynamic positioning or balancing of the sear and hammer is also such that the possibility of a jar-off is practically non-existent.

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11-18-58