

Get your High Standard Magazine Adjustment tool at:
<http://highstandardpartsonline.com>



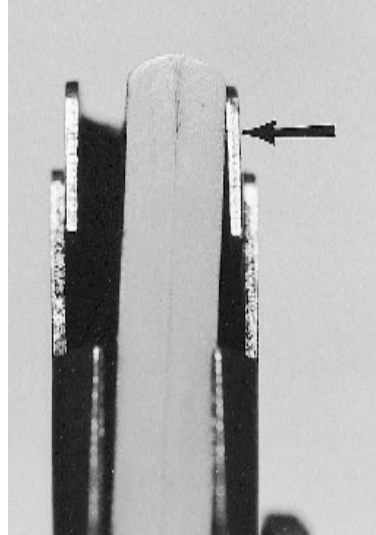
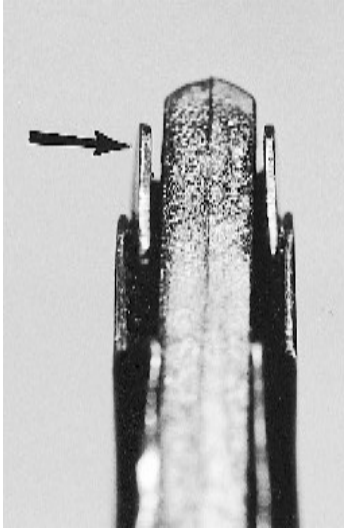
Magazine Adjustments

.22 Caliber Models 100-107

You must first recognize if you have a problem. The most common malfunction you're likely to face is a feeding problem, but failures to return to battery, misfires, and hung casings all point to a mismatch between a certain brand of ammo and the magazine. Of course, if you experience one of these problems every 500 rounds, you don't need to worry. But if you have a problem at least once in a 10-shot magazine, you need to tune the magazine for that ammo brand.



Clean and lightly oil the top of the frame where the slide moves (arrow). This corrects many return-to-battery and cycling problems instantly.



Use quality magazines. Many shooters substitute magazines that don't have enough shell thickness. The easiest spot to check is the front feeding lips. Thicker lips (right, arrow) are better. Thinner lips (left, arrow) can be easily bent. To test a magazine, use your thumb and push hard on the side of the front lips. If you can bend them, find another magazine.



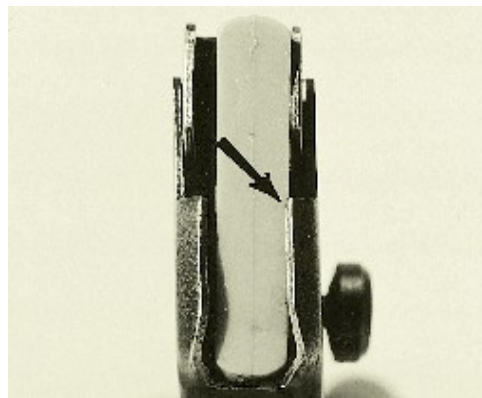
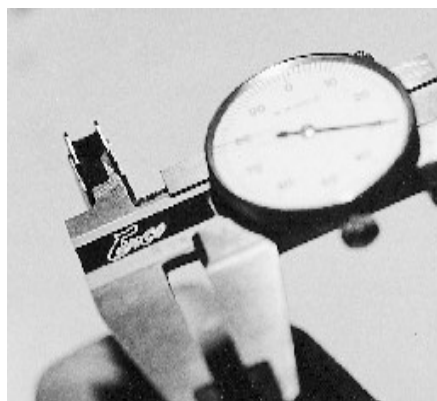
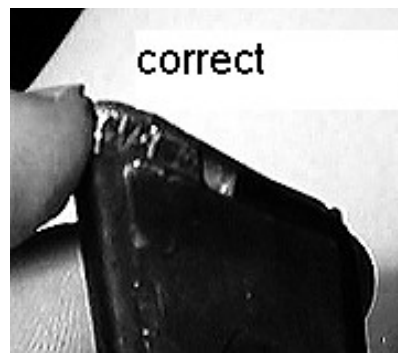
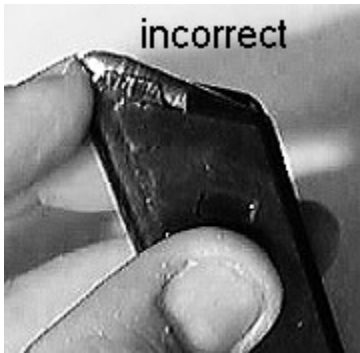
Oil and work the magazine spring. Small amounts of bluing salts inside the magazine can prevent the ammo from advancing smoothly. We recommend Marvel Mystery Oil because it neutralizes any remaining salts left on the metal. Often, the shooter feels the presence of these salts inside the magazine shaft as rough spots. Working the spring up and down the magazine will point to problem areas, and the oil will break them up. Remove excess oil as necessary once you've finished.

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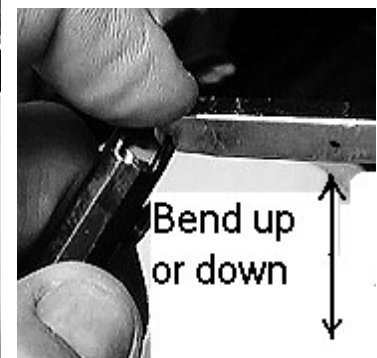
High Standard pistols do not have a feed ramp. The feed angle is controlled by the front of the rear feed lips. The lips should be adjusted so that when upward pressure is placed on the nose of the top bullet in the clip very little or no lead should be visible above the front "kicker" ears. (see pictures) The ID (inside dimensions) shown are approximate.



Pictures to Left

Gauge the inside of the front of the rear lips of the magazine. The dimension should be at 0.185 inch to start.

Adjust the front of the rear lips of the magazine as needed. Keep the lips parallel. To adjust, place the cut in the adjusting tool firmly on the feed lip(s) with the edge of the tool even with the front edge of the lip as shown in the picture.

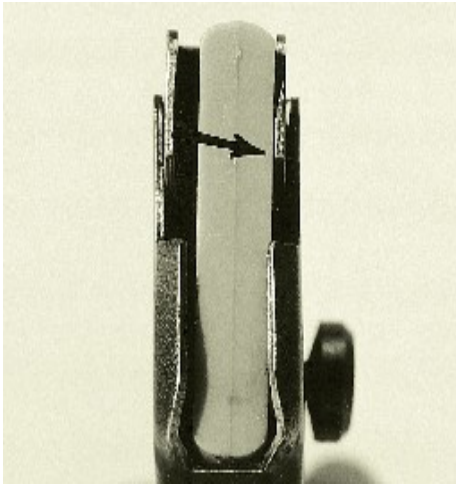


Hold the tool firmly against the lip with the index finger of the hand holding the clip while rotating the tool up or down with the other hand. Bending the lips in (rotating the tool end upward in the picture) will lower the feed angle and opening the lips (rotating the tool end downward) will raise the feed angle.

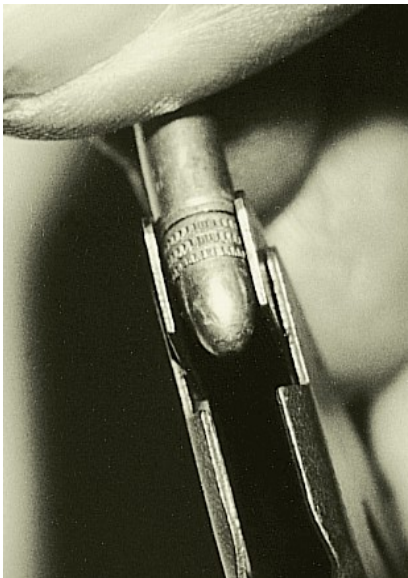
Bend each lip equally a small amount and test the bullet position as shown above. If too much bullet is exposed the bullet will feed high into the top of the chamber. If the lips are bent down too much the bullet may jam or, at least, shave lead on the bottom of the chamber. Over-bending or excessive adjusting may eventually cause the lips to break, so go slowly and when the clips feed reliably leave them alone. If the lips are bent down far enough to change the distance between the rear lips such that they restrict slide movement, file an equal amount off each lip such that the slide moves freely between the lips.

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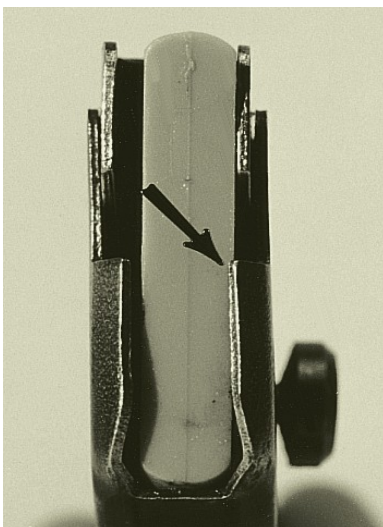
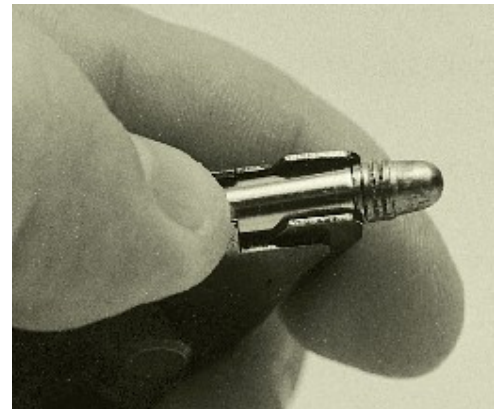


Gauge the inside of the rear of the front lips of the magazine. The dimension should be 0.230 inch. Adjust the rear of the front lips of the magazine as needed. Keep the lips parallel.

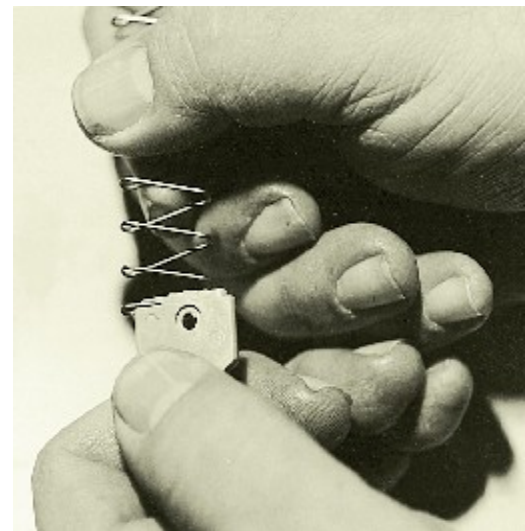


Check that the bullet itself slips freely between the front lips. The bullet shouldn't stick, but there shouldn't be excessive space between the bullet and lips either. To check for too much space, try to wiggle the case back and forth. If there's play, tighten the lips.

Try to strip a round out of the magazine. The round shouldn't stick or bind.



Function test the gun. If the bullets feed too high, pinch down the width of the front rear lips. If the bullets feed too low, open the same dimension slightly.



Reassemble the magazine properly. The follower fits into the end of the spring that has only a half coil. The spring should slip easily over the follower.

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