

# Shooters Ridge® 10/22 Magazine Troubleshooting Guide

*(Questions and answers apply to all SR 10/22 magazines unless noted)*

## BACKGROUND

This troubleshooting guide is designed to help consumers with any problems and/or questions regarding Shooters Ridge® 10/22® LR magazines.

As many shooters know, there are inherent challenges with the use of any rifle magazine. Factors such as ammo type, gun fit and production inconsistencies can negatively impact both the performance of a magazine and a customer's product perception. While we constantly strive for error-free operation, it should be noted that all magazines have occasional feed problems due to the variables listed above. After extensive testing, we have found both the Shooters Ridge 25-round and 30-round magazines to be trusted performers. If an issue arises, consult this troubleshooting guide.

**(Note: Your magazine is not designed to be used as a support when shooting! Magazine should hang freely from rifle! If it does not, your magazine may encounter feeding challenges.)**

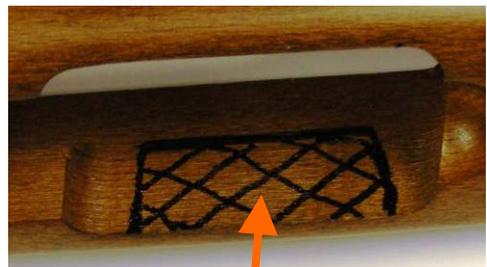
## ISSUE

### A. Magazine fits tightly in rifle.

-Remove stock from receiver and lightly sand each side of magazine opening of the stock until magazine can slide freely up into receiver.



Stock with receiver removed

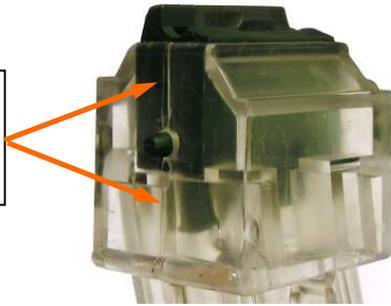


Remove material from stock in this area on both sides

### B. Magazine does not lock in place with bolt locked back.

-Check and remove any excess plastic on front or rear of top portion of magazine seams or pins. A file or knife can be used to remove any excess plastic until the surface is smooth.

Remove any excess plastic in these areas

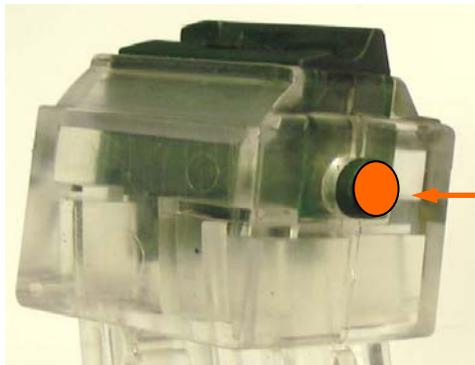


Remove any excess plastic in these areas

### C. Magazine is hard to remove.

-Lightly sand or file face of large front pin of magazine until magazine is easy to remove.

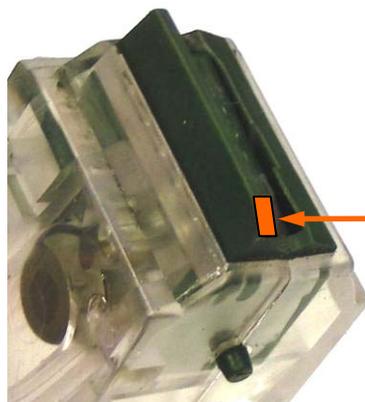
-Although extremely unusual, you may need to remove the stock and trigger group to remove the magazine; review your firearms' owner's manual before doing so.



Sand or file the face of this pin

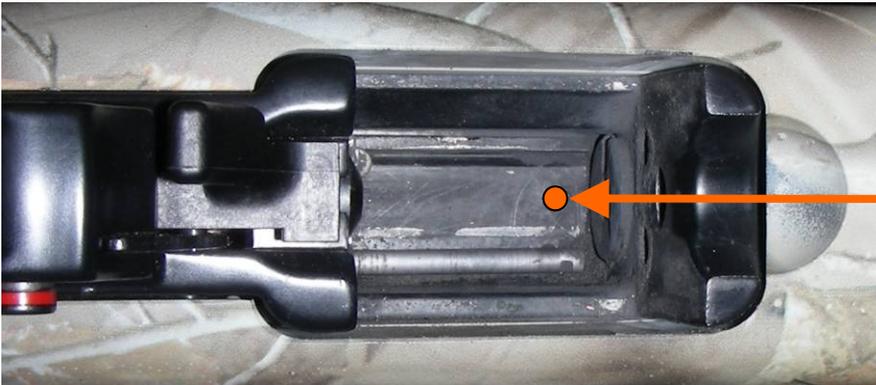
### D. Bolt will not close or hits rear top edge of magazine.

1. (25rd magazine only) - File or sand a small angle on the top back edge of magazine, so bolt rides up and over the top of the magazine.



Sand or file small ramp on this back corner

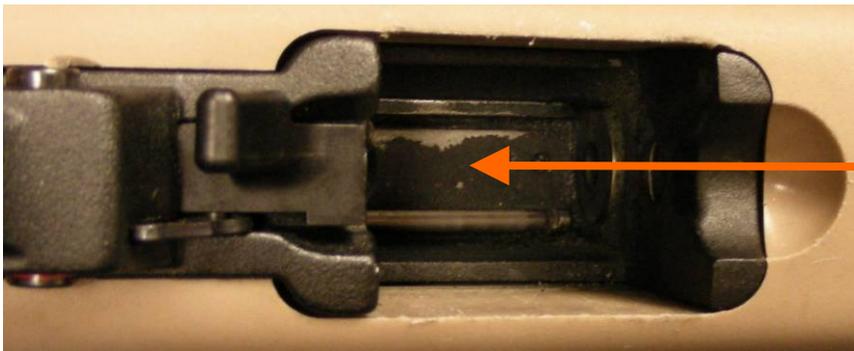
2. Check that if a scope base has been mounted, the mounting screws are not protruding down into the receiver and dragging on the bolt or pushing the bolt down.



Check that any screws do not protrude into receiver

View from bottom of the rifle

3. Check for excess paint on top inside of receiver. Sand or remove any large amounts of paint overspray.

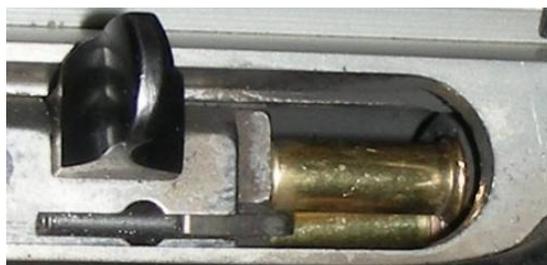


Check for and remove any large amounts of paint in this area.

View from bottom of the rifle

## E. Magazine jams when firing.

1. Stove pipe jams (empty brass getting caught by bolt and not ejecting)

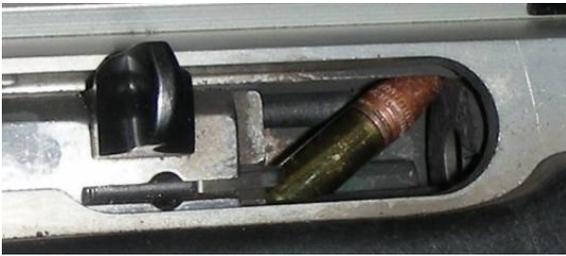


-Review ammunition brand and type. Bullet shape, coating, and ammunition speed can all affect performance in individual rifles. CCI, Federal, or Blazer ammunition performed best in testing and are highly recommended.

-Review firearm condition. Is the gun new? Clean gun thoroughly and break in action by shooting several hundred rounds of high velocity ammo (CCI Mini Mag recommended) through factory magazines.

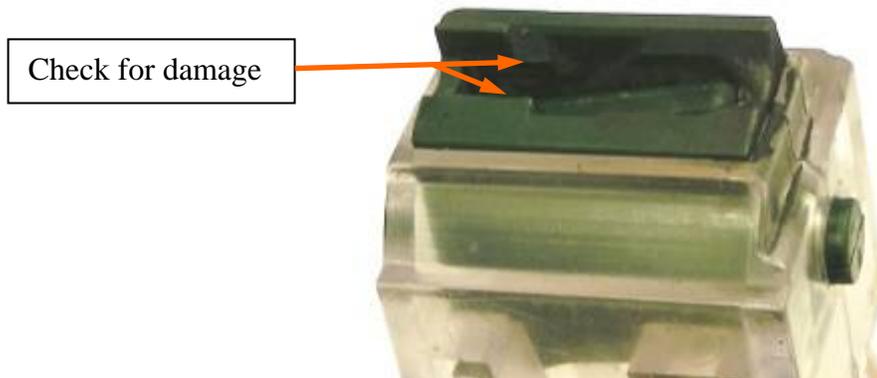
Clean entire gun thoroughly, clean chamber of barrel with bore brush, and clean face of bolt and extractor with wire brush.

## 2. Ammunition “tips up” and jams before going into barrel chamber.



Review ammunition brand and type. Bullet shape, coating, and ammunition speed can all affect performance in individual rifles. CCI, Federal, or Blazer ammunition performed best in testing and are highly recommended.

-Check that retaining lips on top rear of magazine are not damaged



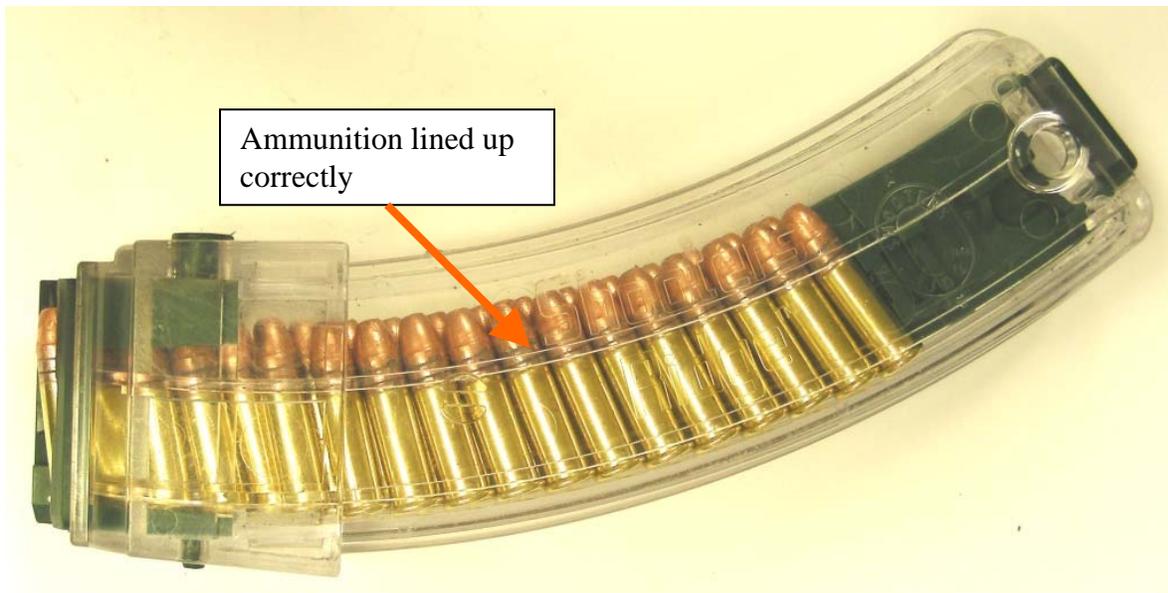
**(25rd magazine only)** - Load and unload magazine by hand. Check that ammunition doesn't bind in magazine and is pushed up easily by magazine spring. If ammunition is binding, magazine may be defective and should be returned or exchanged.



Check that ammunition doesn't bind in magazine

- Break in magazine by loading and shooting 10 rounds, then 15, then 20, etc up to full capacity

**(30/50rd magazine only)** - Check that as magazine is loaded there are no missing rounds as the ammunition forms two columns, or check for rounds of ammunition that are out of place. The bullet tips should all line up uniformly as shown. Unload and reload before shooting if a problem is seen.

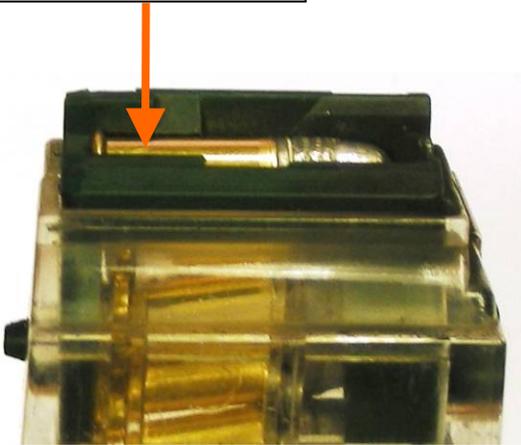


Ammunition lined up correctly

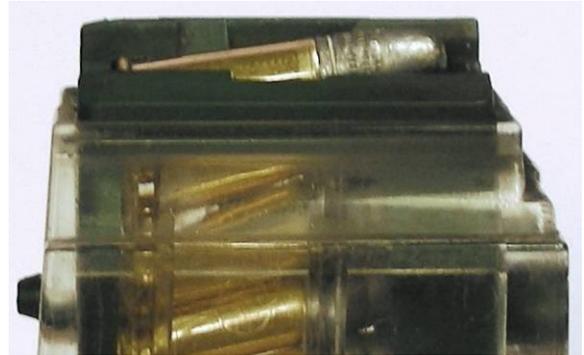
**3. Ammunition jammed in magazine (Top round in magazine sitting flat or tipped down and will not feed, rims of rounds are overlapped incorrectly)**

**(30/50rd magazine only)** - Push down on rear portion of top round with a small screwdriver or allen wrench and allow rounds to spring back up into place (repeat if necessary)

Push here and release



Top round tipped down  
(jammed)



Top round tipped up  
(correct)