



# How to Repair Double Vision on Barska 10x50 Wide-Angle Binoculars

This guide shows the steps on how to re-align double vision in a pair of Barska 10x50 wide-angle binoculars by disassembling the binoculars.

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## INTRODUCTION

Binoculars are somewhat delicate, and when used outdoors in dynamic settings, they can sometimes sustain damage, which can knock the two sides out of alignment, culminating in double vision. Small changes in the positioning of the prisms can result in significant differences in the vision of the binoculars, and binocular manufacturers often hide the adjustment screws to discourage owners from attempting to repair them on their own. This guide will demonstrate how to find the adjustment screws on a pair of Barska 10x50 WA binoculars and adjust them to align the double vision.

## TOOLS:

- [Jimmy](#) (1)
- [64 Bit Driver Kit](#) (1)
- [iFixit Opening Tools](#) (1)
- [iFixit Precision Bit Driver](#) (1)
- [iFixit 4 mm Screwdriver Bit](#) (1)
- [1.5 mm Flathead Screwdriver](#) (1)
- [JIS #0 Screwdriver](#) (1)

## Step 1 — How to Repair Double Vision on Barska 10x50 Wide-Angle Binoculars



- Remove the main J0 head screw in the center of the binoculars, using the driver with the 4 mm bit and J0 attachment.

## Step 2



- Remove the top piece and the washers held under the middle screw.

## Step 3



- Pull the eyepieces off the binoculars.

## Step 4



- Remove the two side J0 head screws.

## Step 5



- Remove the four J0 head eyepiece screws.

## Step 6



- Remove the two eyepiece plates.

## Step 7



- Pry apart the rear rubber covering on each side to expose the two back prism adjustment screws.

## Step 8



- Adjust the two 1.5 mm flat head prism screws by slightly turning the driver.

*(i)* Note: Look through the binoculars after each turn, and if the vision is aligned, you can stop at this step. If adjusting these screws does not align the vision, proceed to Step 9.

**⚠** DO NOT tighten the prism screws too much, or you will crack the prism and permanently destroy it. Repairing or replacing the prism is beyond the scope of this guide.

## Step 9



- Unscrew the two front objective lenses by hand.

## Step 10



- Unscrew the two J0 head front screws.

## Step 11



- Remove the two front plates.

## Step 12



- Peel back the front rubber coverings on both sides.

## Step 13



- Adjust the two front 1.5 mm flat head prism screws with small turns.
- Look through the binoculars after each adjustment to see if it is aligning the vision, and repeat the adjustments until it is repaired.

**i** You may need to return to Step 8 to fine-tune the other set of screws. All four prism adjustment screws must be in their correct positions to produce the correct view through the binoculars.

To reassemble your device, follow these instructions in reverse order.