



KONICA MINOLTA



# TECHNICAL BULLETIN

Bulletin # 11244

Date: 6/4/18

Subject: Rainbow-Effect Scans

bizhub C458:

054

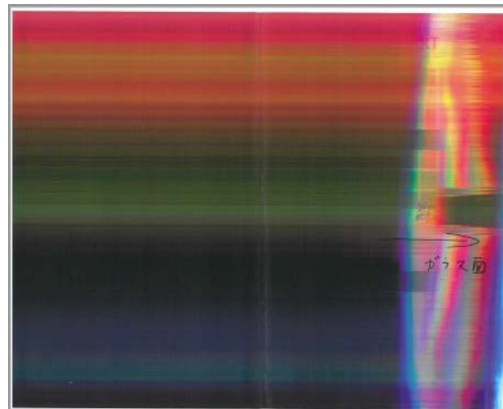
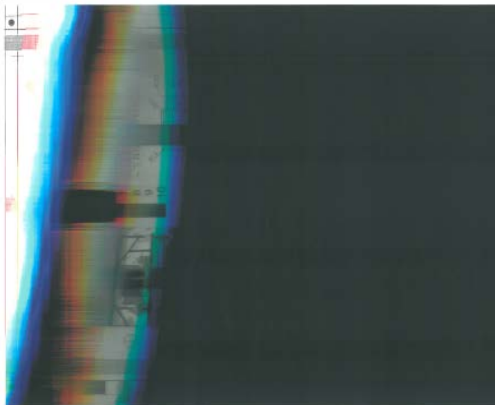
bizhub C558:

060

bizhub C658:

061

In some cases, users may report a “rainbow” pattern near the bottom of scanned images. This occurs only for images that are scanned from the glass – not through the document feeder. The chromatic aberration is caused by misalignment of the 3<sup>rd</sup> mirror during manufacturing.



The issue was corrected during manufacturing beginning with the following serial numbers.

Model	Corrected at Serial Number
C458	A79M011029659
C558	A79K011016062
C658	A79J011004131

These machines can be readily identified by a purple dot on the shipping carton data table and the machine serial number plate.



If this occurs in field machines, use the 3<sup>rd</sup> Mirror Adjustment Procedure (attached) to correct the situation.



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# 3<sup>rd</sup> MIRROR ADJUSTMENT PROCEDURE (CHROMATIC ABERRATION) bizhub C458, C558, C658

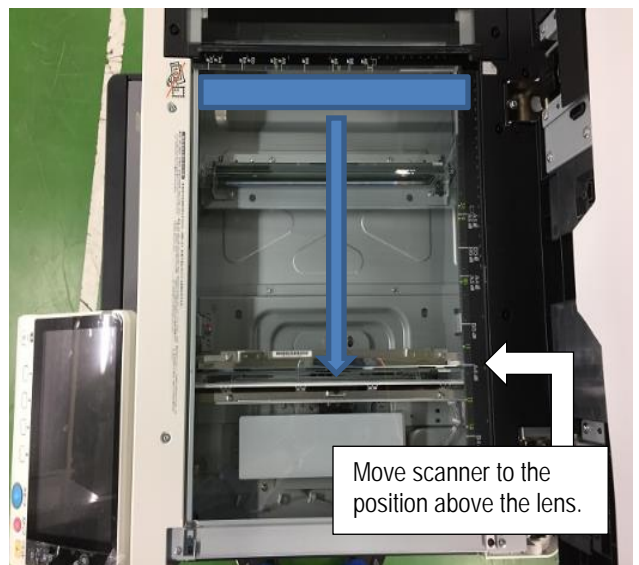
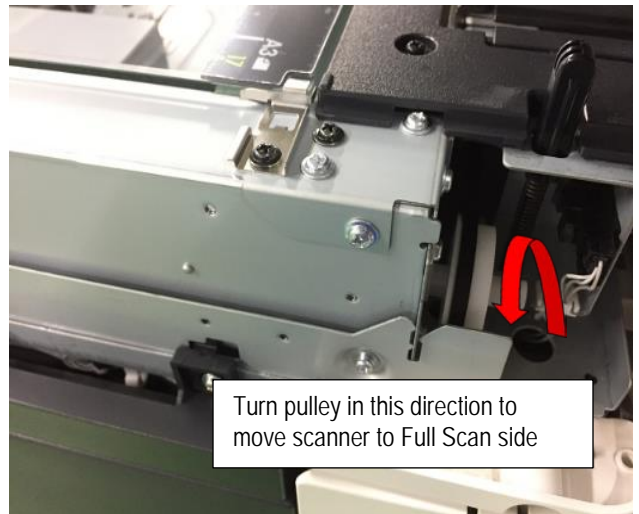
This procedure details the steps to align the scanner 3<sup>rd</sup> mirror to remediate chromatic aberration near the bottom edges of images scanned via the glass. You will need:

Description	Notes
Lock paint	ThreeBond 1401B or equivalent. Obtain locally.
Hex wrench, 2.4mm	Obtain locally

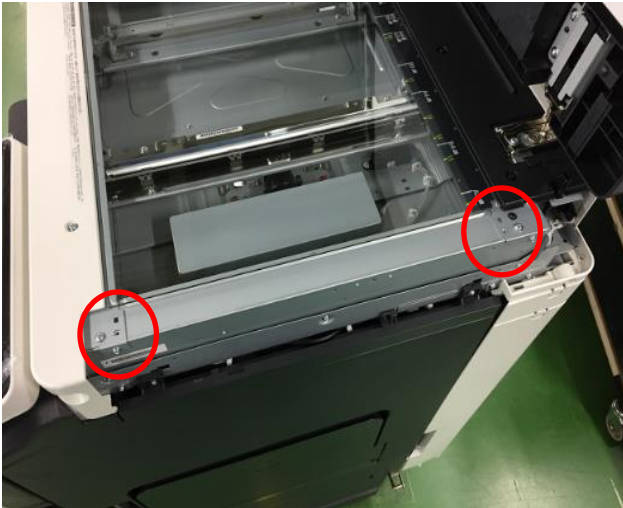
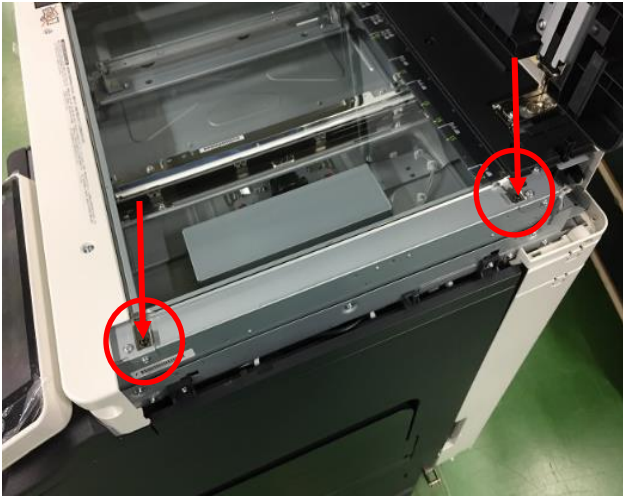
1. Remove the cover.



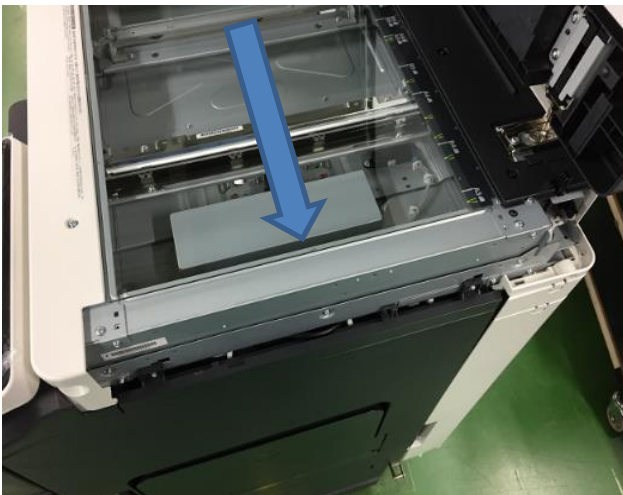
2. Turn the pulley by hand to move the scanner to the Full Scan side.



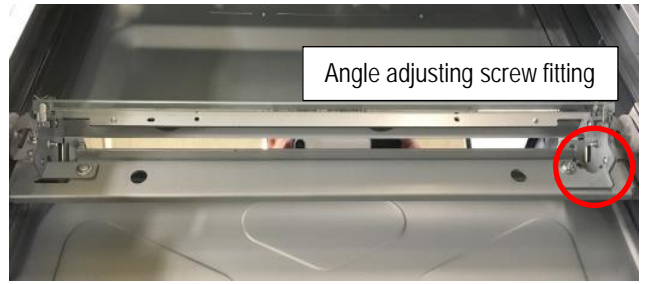
3. Remove the plate springs.



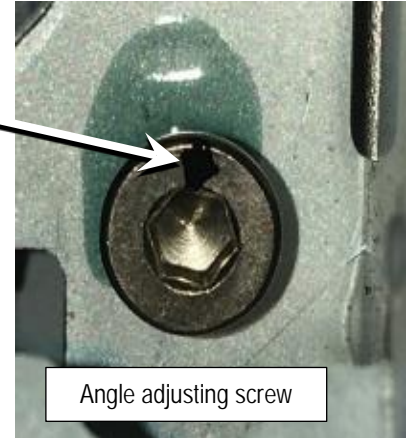
4. Remove the document glass.



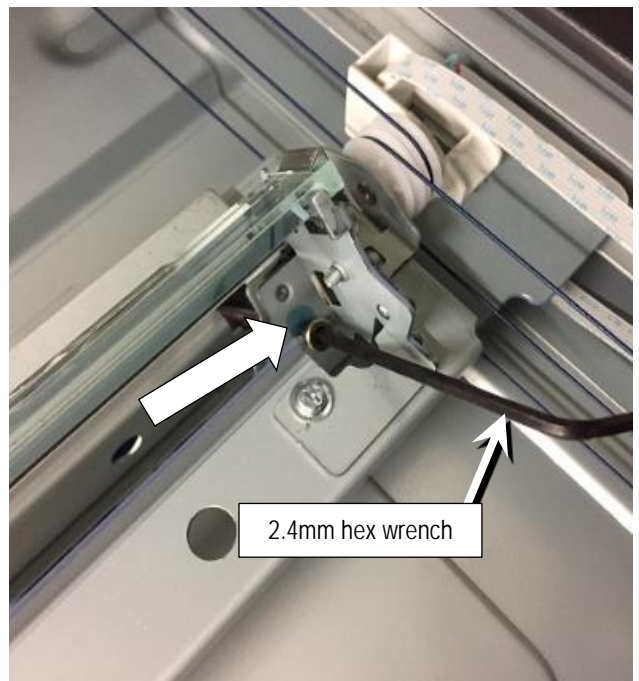
5. Mark the 3<sup>rd</sup> mirror adjusting screw so that it can be returned to its initial position.



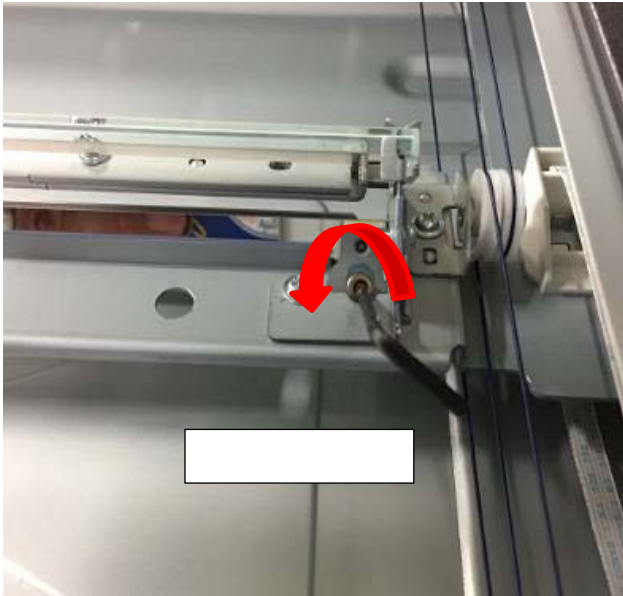
3<sup>rd</sup> mirror adjusting screw mark



6. Using a 2.4mm hex wrench, turn the 3<sup>rd</sup> mirror adjusting screw 45° COUNTERCLOCKWISE. Then check the quality. Repeat adjusting the angle until normal output is achieved.

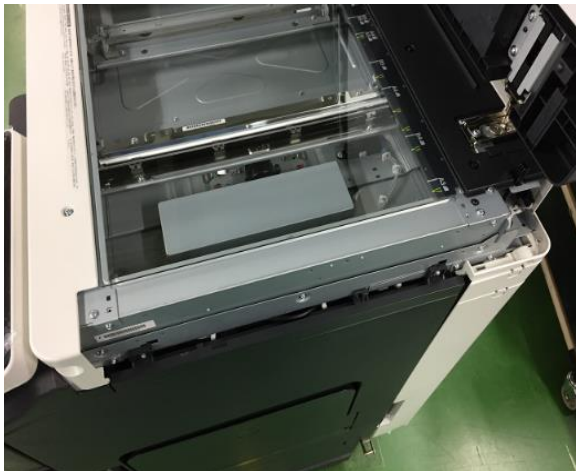






7. Check the image.

a. Place the document glass back on the MFP.



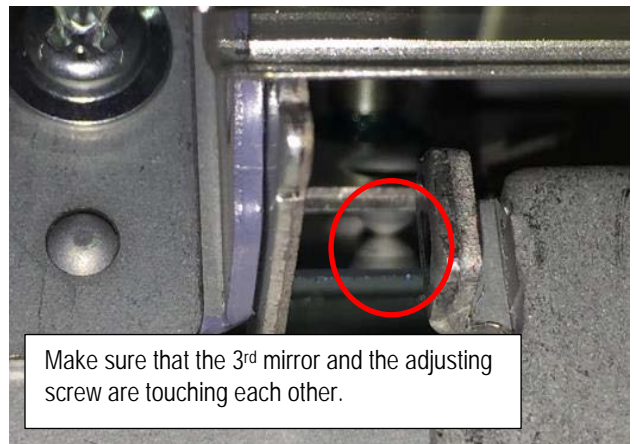
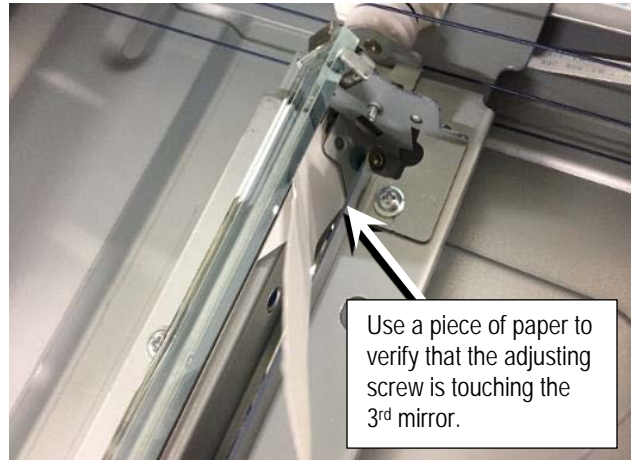
b. Secure the front of the glass with plate springs to keep it from falling down.



- c. Check the image using an 11x17 scan target.
- d. Confirm that there is no problem with the image.

If an abnormality is still observed, repeat steps 6 and 7 until the image is normal.

- 8. Remove the plate springs and document glass that were attached for checking the image.
- 9. Make sure that the 3<sup>rd</sup> mirror and the adjusting screw are in contact.



10. Apply lock paint to the 3<sup>rd</sup> mirror adjusting screw.

