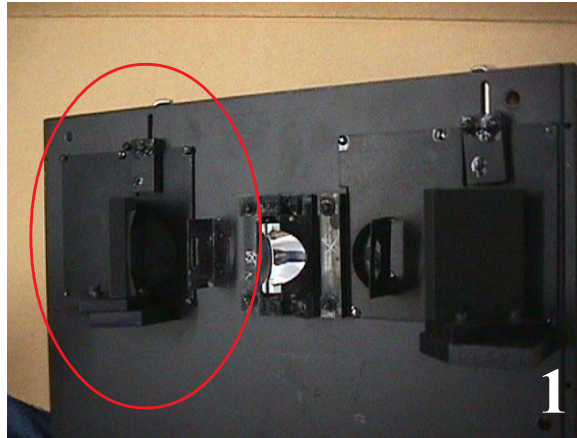


CARY SHUTTER SYSTEM



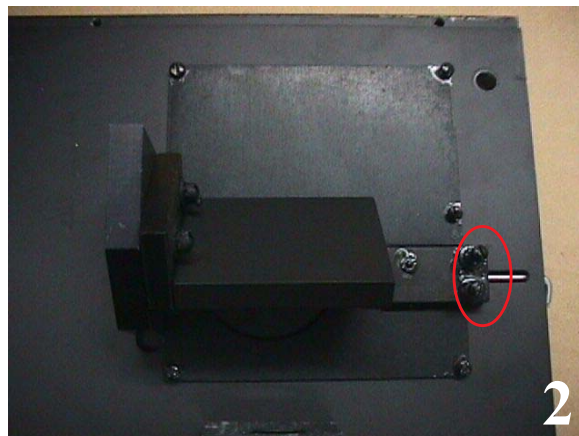
STEP 1:

Inside the Cary's PM chamber on the wall facing the sample chamber is the plate shown in photo 1 which holds the shutter system. Photo 1 shows the plate removed from the sample chamber. The area circled is one of the two shutters which will be the focus of this document.



STEP 2:

Remove the screws circled in the photo above.

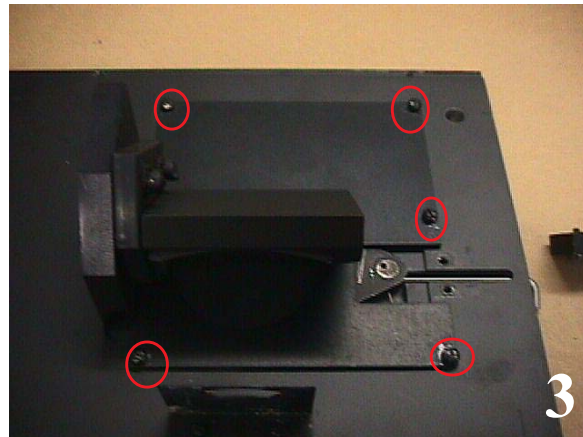


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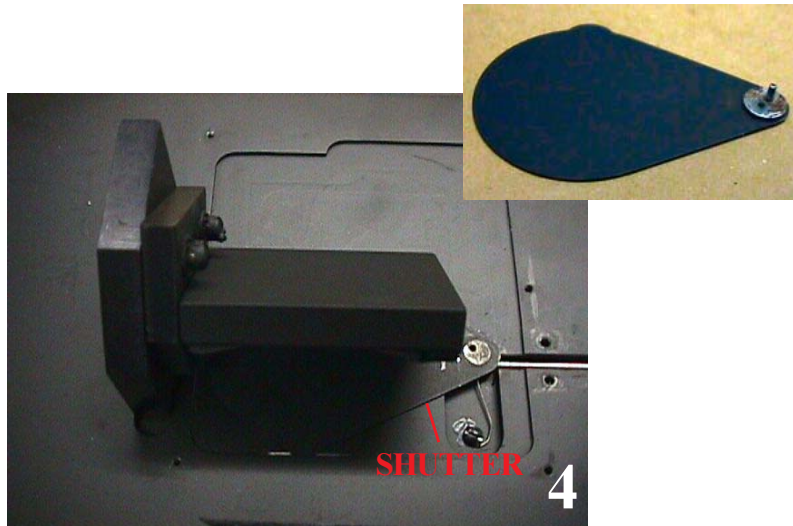
STEP 3:

Remove the 5 screws securing the cover plate.



STEP 4:

Once the plate is removed, lift away shutter and set it aside. Inset photo shows the shutter removed from the assembly.



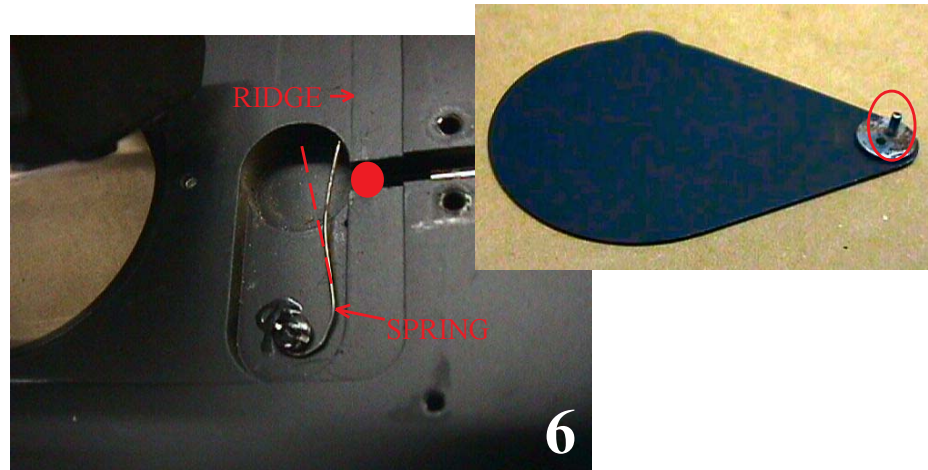
STEP 5:

Make sure that the newly exposed area (photo 5) is free of debris. Cleaning can be done safely with a small brush or a can of air. If canned air is used cover the mirror with a kim wipe.



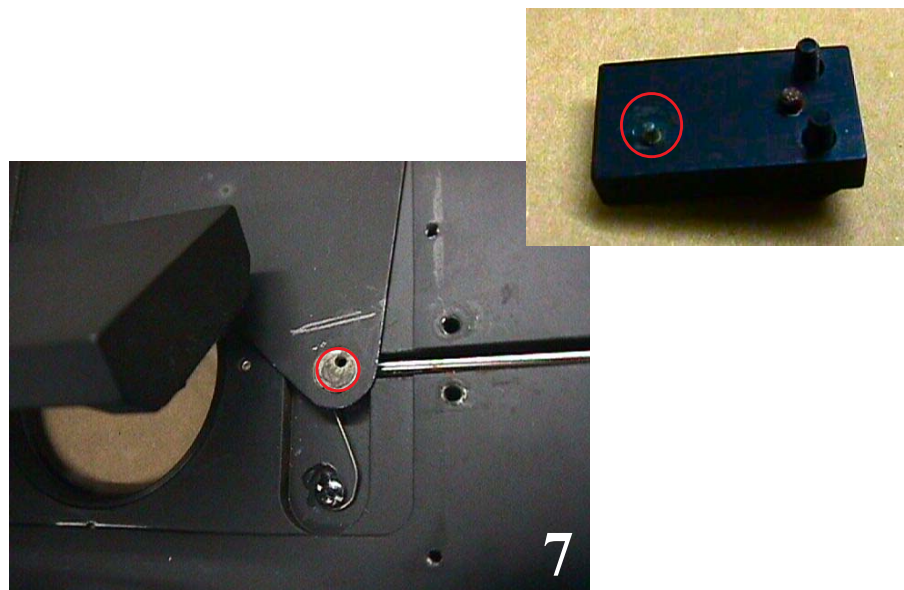
STEP 6:

The next step involves replacing the shutter. Flip the shutter over so that the pin circled in the inset is facing down. Position the shutter so that the pin is placed in the area noted in photo 6 by a red dot. Slide the shutter toward the spring (pushing the spring inward) until it clears the area identified as the ridge. You will know that you have cleared the ridge when you hear a click.



STEP 7:

Replace the block removed in step 2. Correct positioning of this block involved inserting the pin circled in the inset (block photo) into the hole of the area circled on the shutter in the larger photo.



STEP 8:

Once reassembled, stand the plate vertically. Press the pin down (inset) and the shutter should open. When the pin is released the shutter should close. Return the plate to the PM chamber.

