

Seat the curtain-wind idler on top of the brake drum—the slot in the top of the curtain-wind idler passes over the brake-drum post. Replace the screw in the shaft of the curtain-wind idler (from the other side of the bottom plate).

Replace the cover plate above the curtain-wind idler with the one screw, Fig. 9-11. The other hole in the cover plate is for the transfer shaft. It may be necessary to shift the cover plate slightly to align the transfer-shaft hole in the cover plate with the hole in the bottom plate. But you can align the cover plate with the bottom plate installed.

Replacing the Curtains

Lubricate the ball race of the 2nd-curtain cam with shutter oil. You can reach the ball race from the bottom or the top of the 2nd-curtain cam. Also **work under the two ends of the 1st-curtain drum to place a drop of oil on the bearings of the 2nd-curtain drum** (where the shaft of the 1st-curtain drum passes through the 2nd-curtain drum). The bearing at the bottom of the curtain drum is easy to reach. But you need a fine oiler to get under then top section of the 1st-curtain drum.

Replace the washers over the shafts at the top and bottom of the curtain drum. Then seat the curtain drum by passing the upper shaft of the 1st-curtain drum through the bearing at the center of the 2nd-curtain cam. **Make sure the slot in the 2nd-curtain cam passes over the post on the 2nd-curtain drum.**

Note: You might want to replace the speed-control disc at this time just to prevent the curtain drum from moving down. If the drum moves down, its post may disconnect from the slot in the 2nd-curtain cam.

Lubricate the central shafts of the tension rollers with shutter oil (where the shafts pass through the tension rollers at the top and at the bottom). Put a light film of shutter oil on the shafts of the 1st-curtain tension roller for the guide rollers.

Seat the guide rollers over the shafts of the 1st-curtain tension roller. As mentioned earlier, the larger guide roller in the black-dial IIIf goes to the bottom of the tension roller, Fig. 9-14—the smaller end of the guide roller faces the bottom of the camera. But in the red-dial IIIf, both guide rollers are the same. The open ends of the guide rollers face the 1st-curtain tension roller.

Pass the tapes of the 2nd-curtain tension roller to the backs of the guide rollers. **Make sure the tapes and bar of the 2nd-curtain tension roller pass to the front of the 1st-curtain bar,** Fig. 9-15. Also **make sure the tapes are straight.** It's easy for the tapes to become twisted with the tension rollers removed—especially the tapes connected to the 2nd-curtain tension roller.

Seat the 1st-curtain tension roller as shown in Fig. 9-15—pass the top of the tension roller shaft through the body-casting hole that's closer to the back of the camera. Make sure the tapes of the 2nd curtain still pass to the backs of the guide rollers, Fig. 9-15.

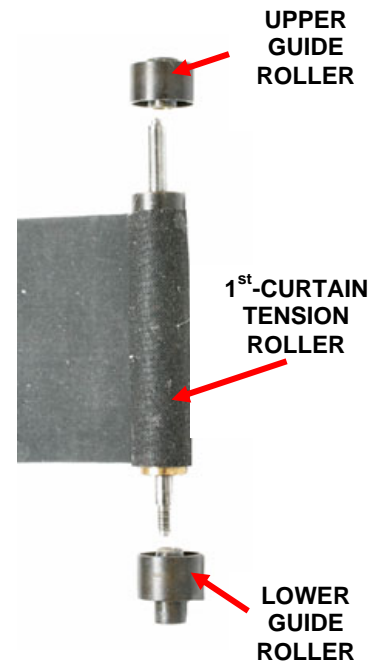


FIG. 9-14 Black-dial IIIf

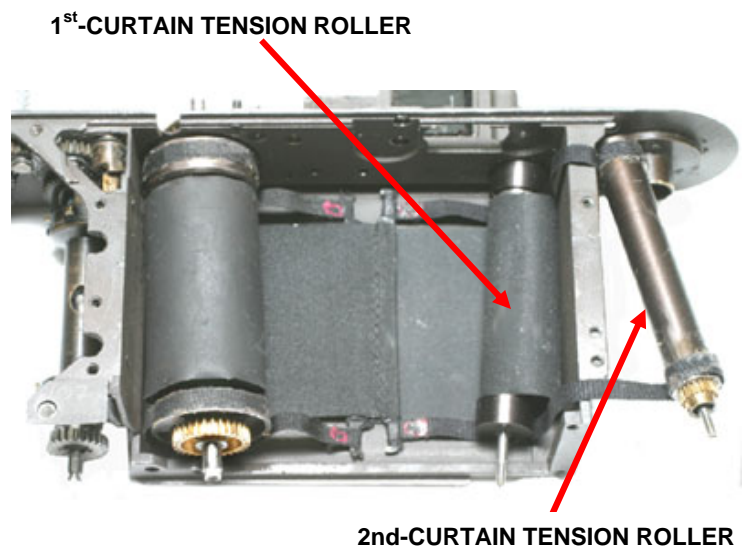


FIG. 9-15 Red-dial IIIf