

# PRAKTICA FX

## Shutter Timing

Fig. 1 shows part of the mechanism located in the top right corner of the camera. The most critical portion of the timing is the position of the opening-curtain cam gear. The notch at the base of the gear shaft should be at 12:00. The wind stud on the wind-shaft gear should be at approximately 11:00 (movement of the wind-shaft gear is limited in both directions by a stud on the bottom of the gear—in the released position the gear should be as far as it will go in a counterclockwise direction).

When the wind knob and counter dial assembly is installed, a dog on the bottom of the wind knob engages the wind stud. Disengagement of the dog from the wind stud is accomplished by the lower right end of the inner release lever when the shutter is fully wound. The wind knob also engages the mirror-control key which should be positioned as shown in the illustration (mirror up—mirror latch disengaged).

The closing-curtain gear is located under the opening-curtain cam gear.

**FIGURE 1 (shutter in released position)**

**Important note:** The wind knob and counter dial are not shown for clarity of the illustration. But the wind knob and counter-dial assembly should be installed when testing the operation to prevent damage to the counter-actuating lever.

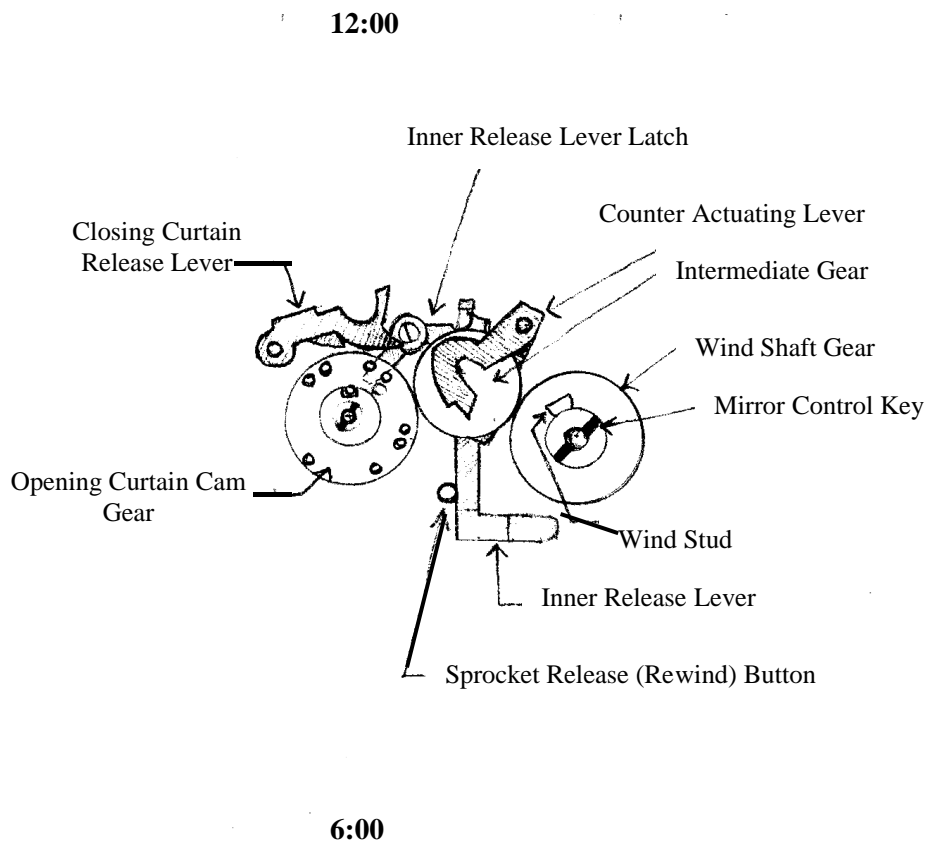


Fig. 2 shows the position of the curtains (focal plane removed) in their released positions. The positions may vary slightly from the illustration depending on the amount of overlap necessary to achieve proper slit width for the individual cameras.

Since the opening-curtain roller gear (see Fig. 3) operates the retard mechanism, it is essential that the opening curtain be timed so that it clears the focal-plane aperture before the retard mechanism is engaged. If the bar of the opening curtain is part way around the tension roller when the curtains are in the released position, the correct timing will be achieved.

**FIGURE 2 (shutter in released position)**

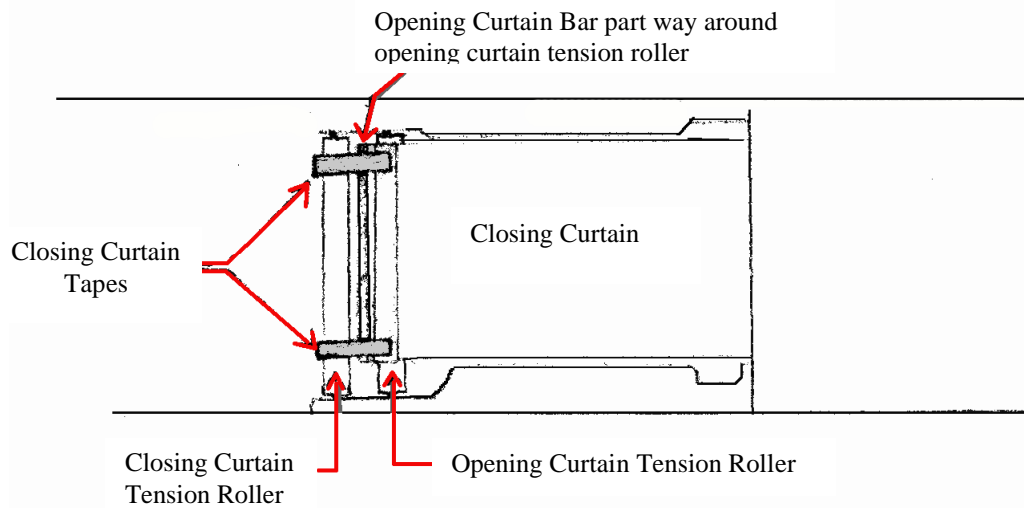


Fig. 3 shows part of the mechanism located under the bottom cover of the camera. The retard control lever is shown in its disengaged position, holding the retard first gear segment out of engagement with the contact and retard operating gear.

It is essential that the various parts in the illustration are in the positions shown so that correct "contact" time and retard operation are obtained.

