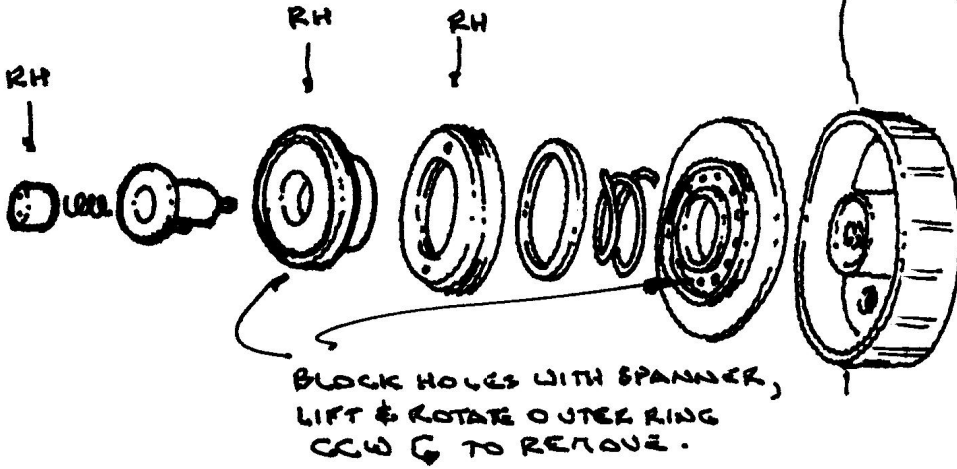


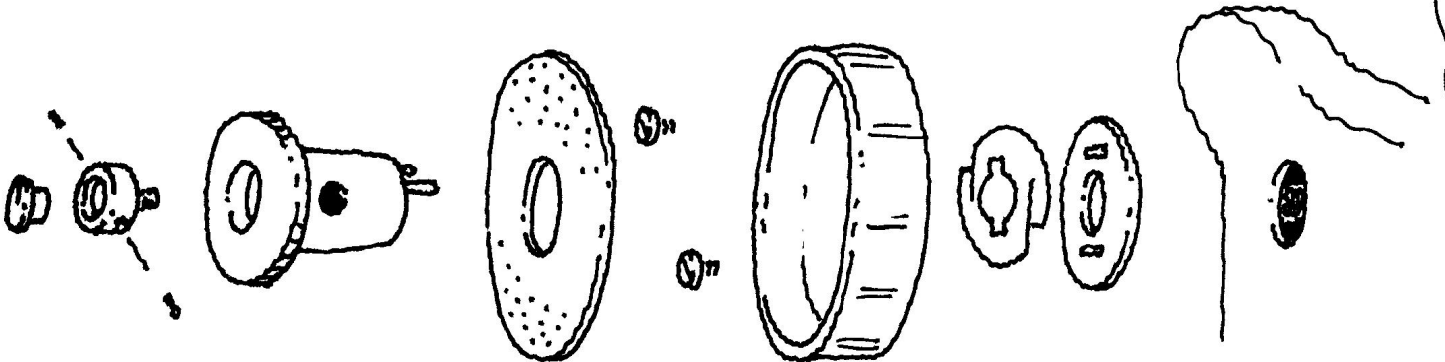
KALMAR $2\frac{1}{4} \times 2\frac{1}{4}$ SLR

WIND KNOB DISASSY

MODEL 660

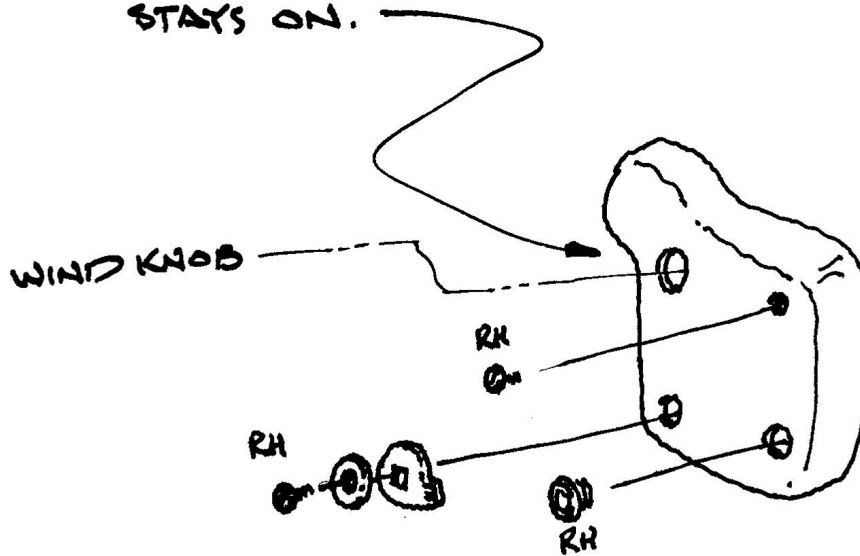


OTHER MODELS

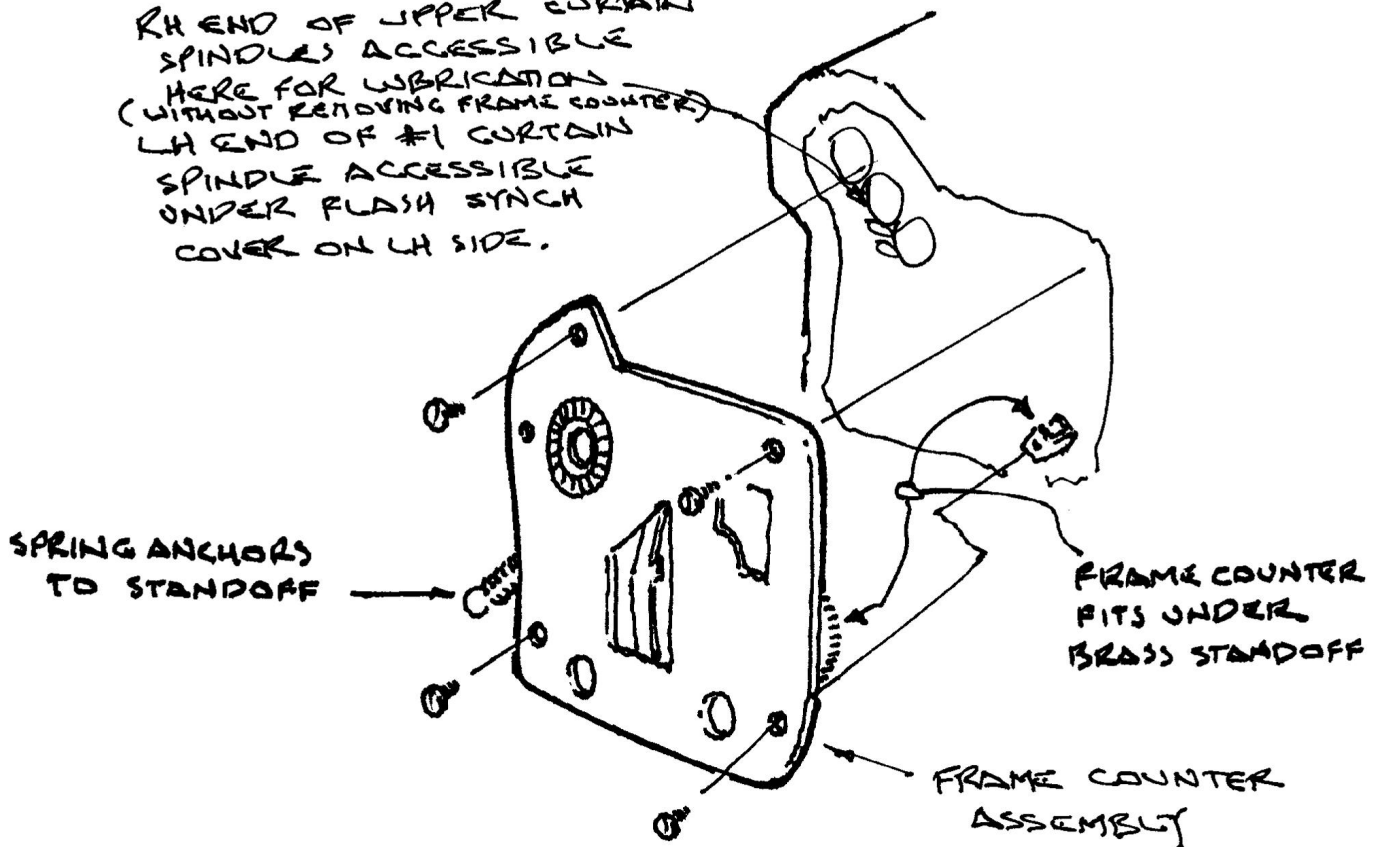


KALIMAR SLR

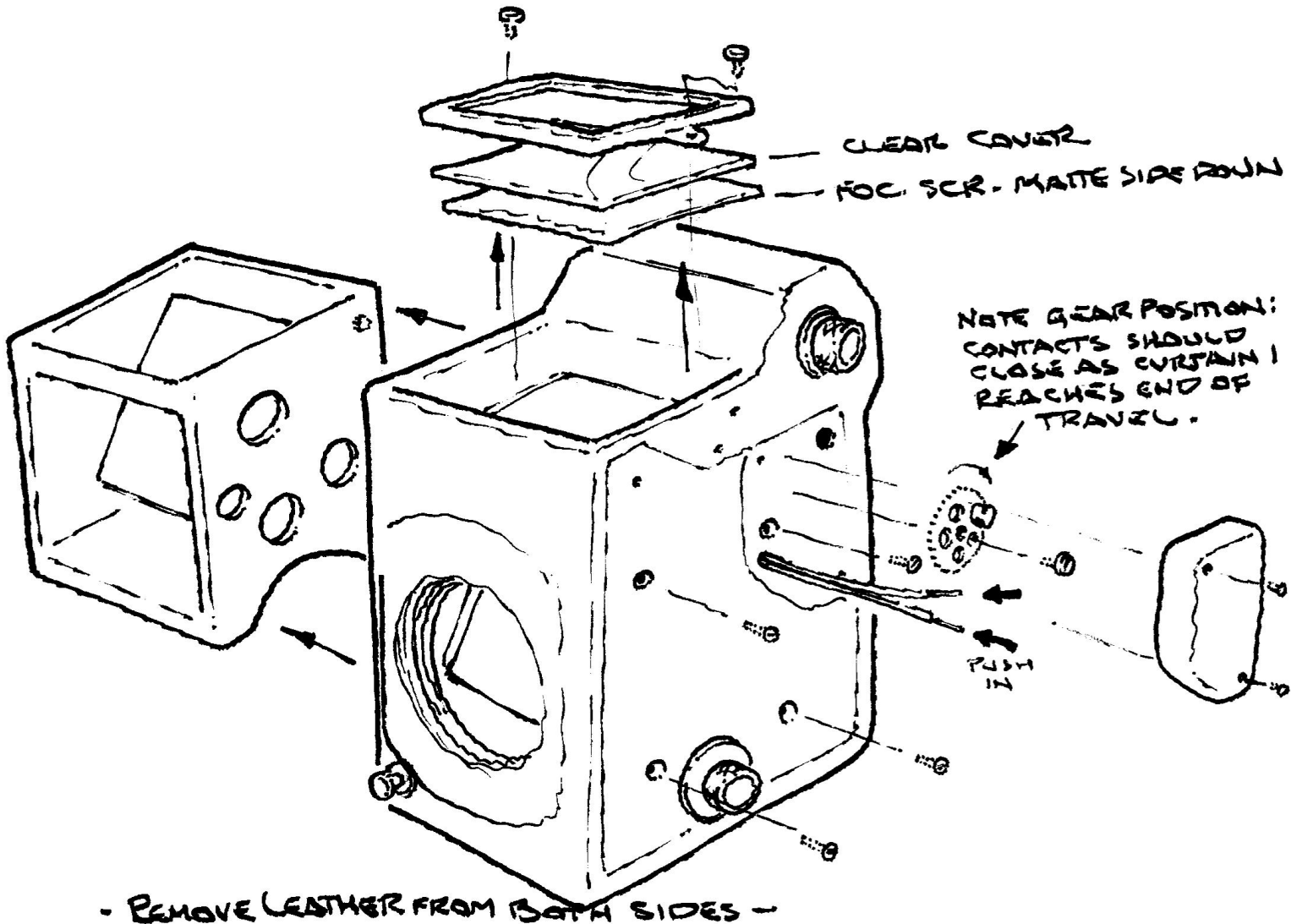
COUNTER RESET BUTTON
STAYS ON.



RH END OF UPPER CURTAIN
SPINDLES ACCESSIBLE
HERE FOR LUBRICATION
(WITHOUT REMOVING FRAME COUNTER)
LH END OF #1 CURTAIN
SPINDLE ACCESSIBLE
UNDER FLASH SYNCH
COVER ON LH SIDE.



TO TEST SPEED SETTINGS:
REASSEMBLE EVERYTHING EXCEPT:
- LEATHER
- SPEED INDEX DISK ON REFLEX / SQ
- 2 SPANNER SCREWS



- REMOVE LEATHER FROM BOTH SIDES -

① REMOVE FOCUSING SCREEN

② LH: REMOVE 4 SCREWS - 1 IS UNDER SYNC. COVER (UNDER GEAR)

- UNSOLDER 2 SYNC WIRES & PUSH INSIDE BODY - STRETCH 1 WIRE
TOWARDS RH TO ALLOW CHASSIS TO SLIDE OUT

RH (SEE NEXT PAGE)

③ REMOVE WIND GEAR & IDLER ASSY



— IDLER RETURN LEVER

THIS WILL NEED A LITTLE ADJUSTING ON REASY FOR SMOOTH WINDING ACTION

④ REMOVE 4 SCREWS & SLIDE CHASSIS ASSY. OUT OF BODY

IF FURTHER DISASSEMBLY IS REQUIRED

2 screws secure cover plate to side of chassis. Remove, lift plate & pivot for access. Shutter rollers will come loose. Don't lose anybody.

CLEAN/LUBRICATE SHUTTER SHAFTS

OOPS. THIS STUFF ISN'T TO SCALE.

SHORT SCREW

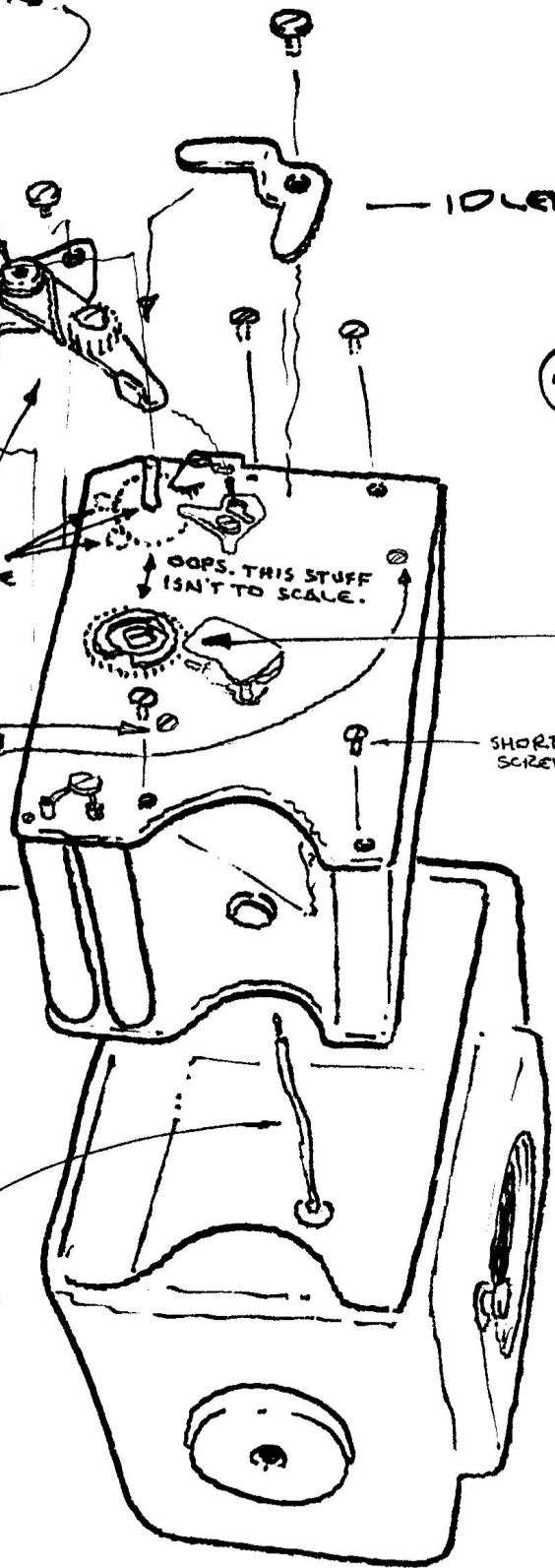
MIRROR RETURN LINKS ARE VISIBLE UNDER SLOW SPEED GEAR IF IT IS REMOVED.

TO CLEAN THEM, IT MAY BE NECESSARY TO LIFT PANEL. CHASSIS MUST BE OUT OF BODY! REMOVE

SCREWS & SLACKEN CURTAINS, LIFT PANEL & ROT CW (TOP REAR CORNER IS HELD BY SHUTTER GEAR). CURTAIN ROLLS & LOWER RIBBON ROLLER WILL BE LOOSE - SO ARE ALL LEVERS UNDER PANEL. REMOVE, CLEAN, DRY, REPLACE.

SHUTTER CAN BE WOUND & RELEASED OUT OF BODY. INSTALL SS KNOB, WIND CAREFULLY.

SYNC WIRE.

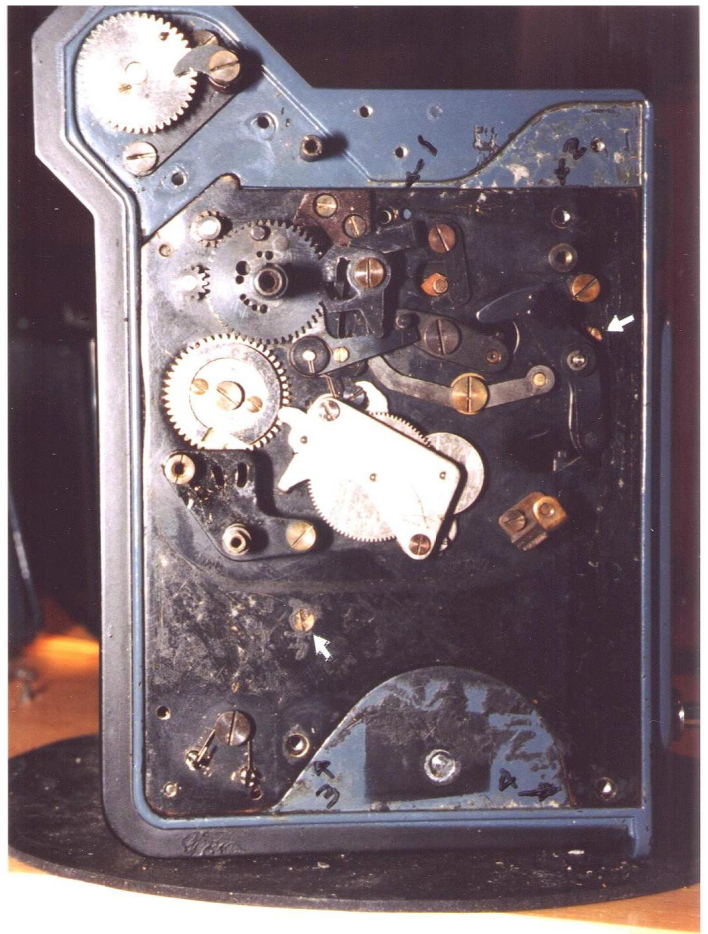


SHUTTER CHASSIS REMOVAL

PG. 2



RH Side, leather removed.



Wind gear assembly & 4 screws removed.
Do not remove 2 screws at white arrows
until after shutter is out of body!

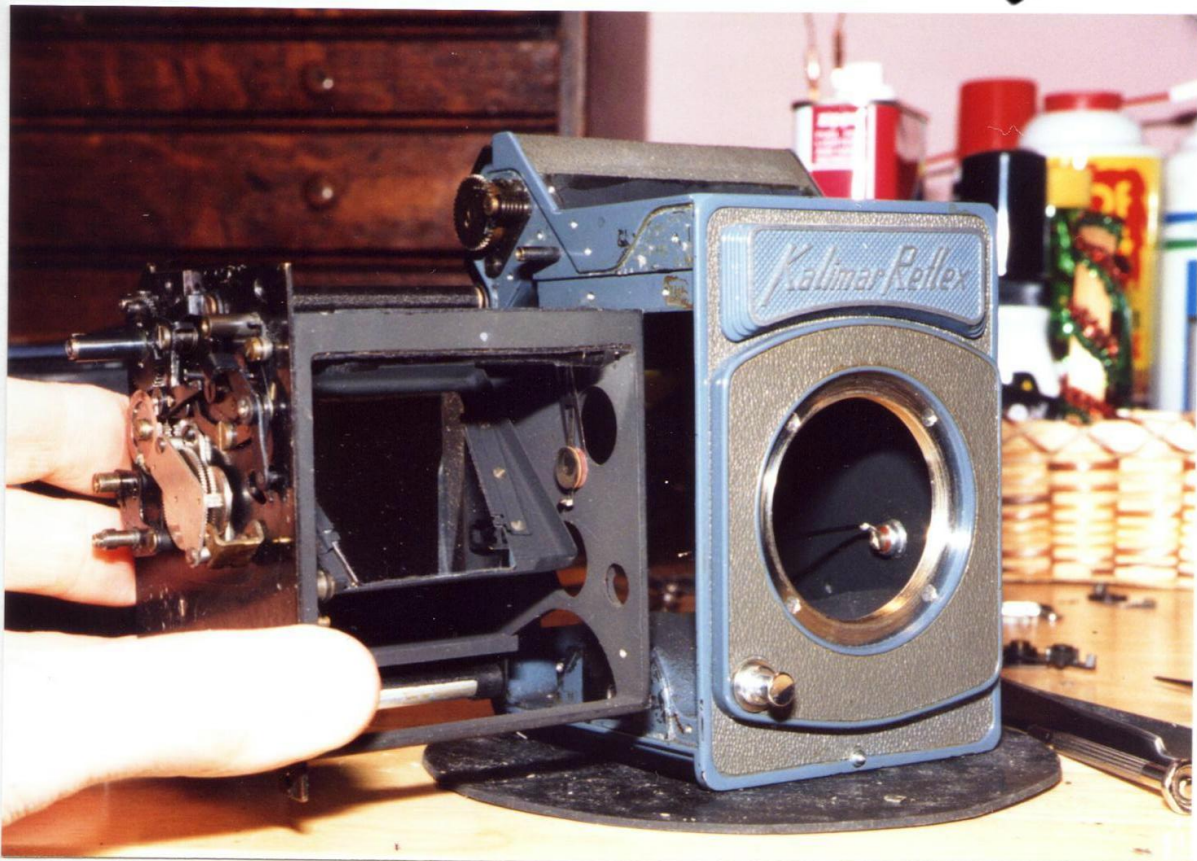


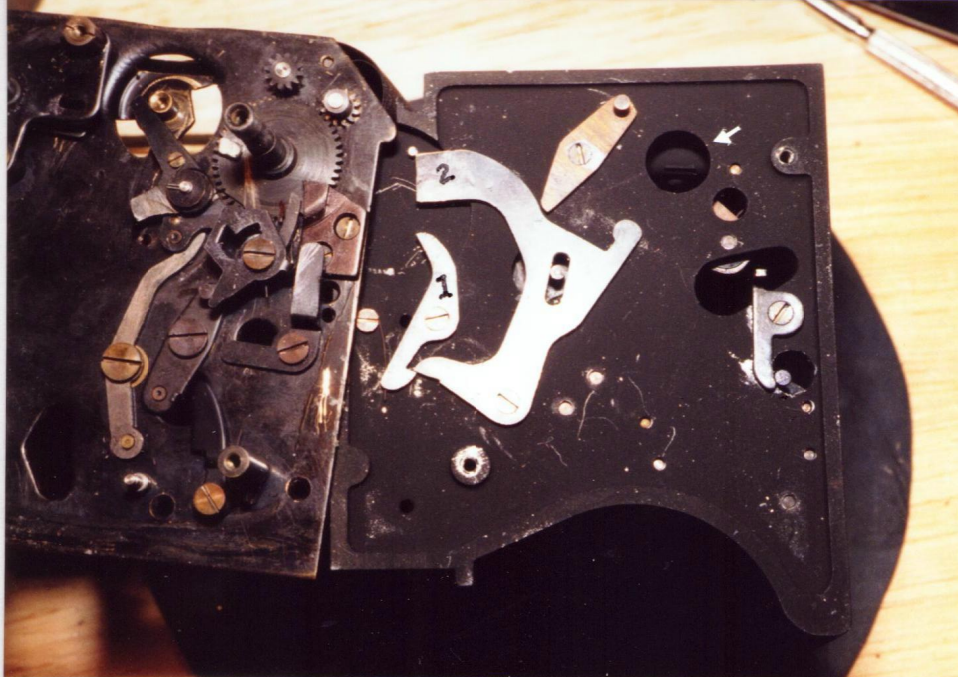
LH Side, 4 screws removed.
Synch gear is off
and wires pushed inside.



Removing chassis/shutter module.

Note synch wire straightened out to pass thru large hole in chassis.





— Mirror Linkage: mirror up
(visible thru large round hole
at top RH corner)

Mirror locked up by links until
slow speed gear on Curtain 2
hits Lever 1 and releases latch.

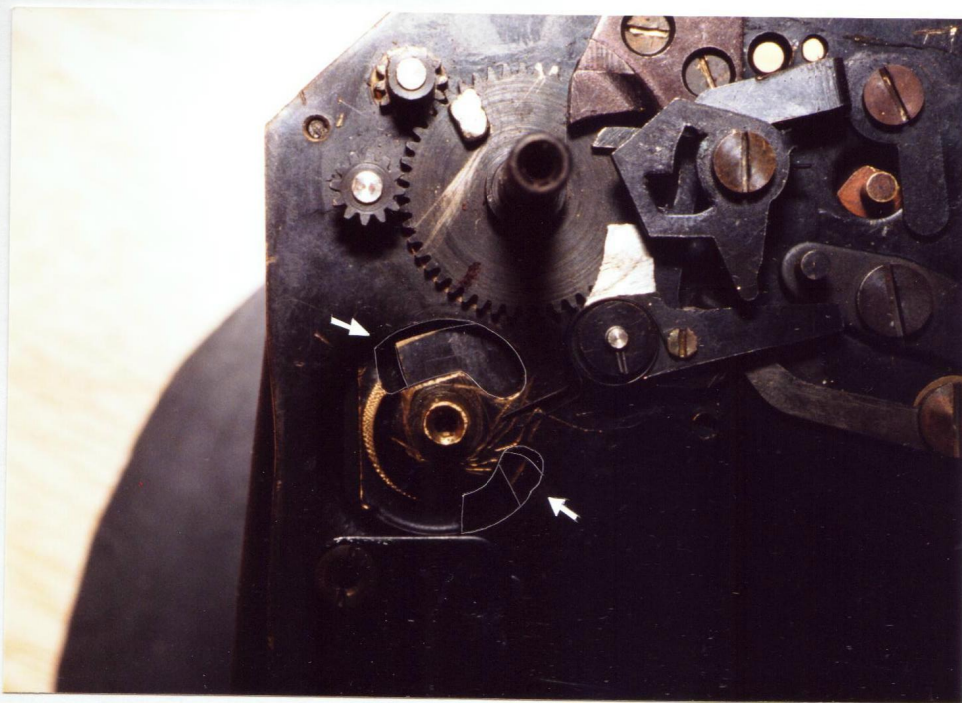


— Mirror Linkage: mirror down

Links are NOT attached.
Screw heads at pivot points look like:



(applies to all 4 visible links
between side plates)



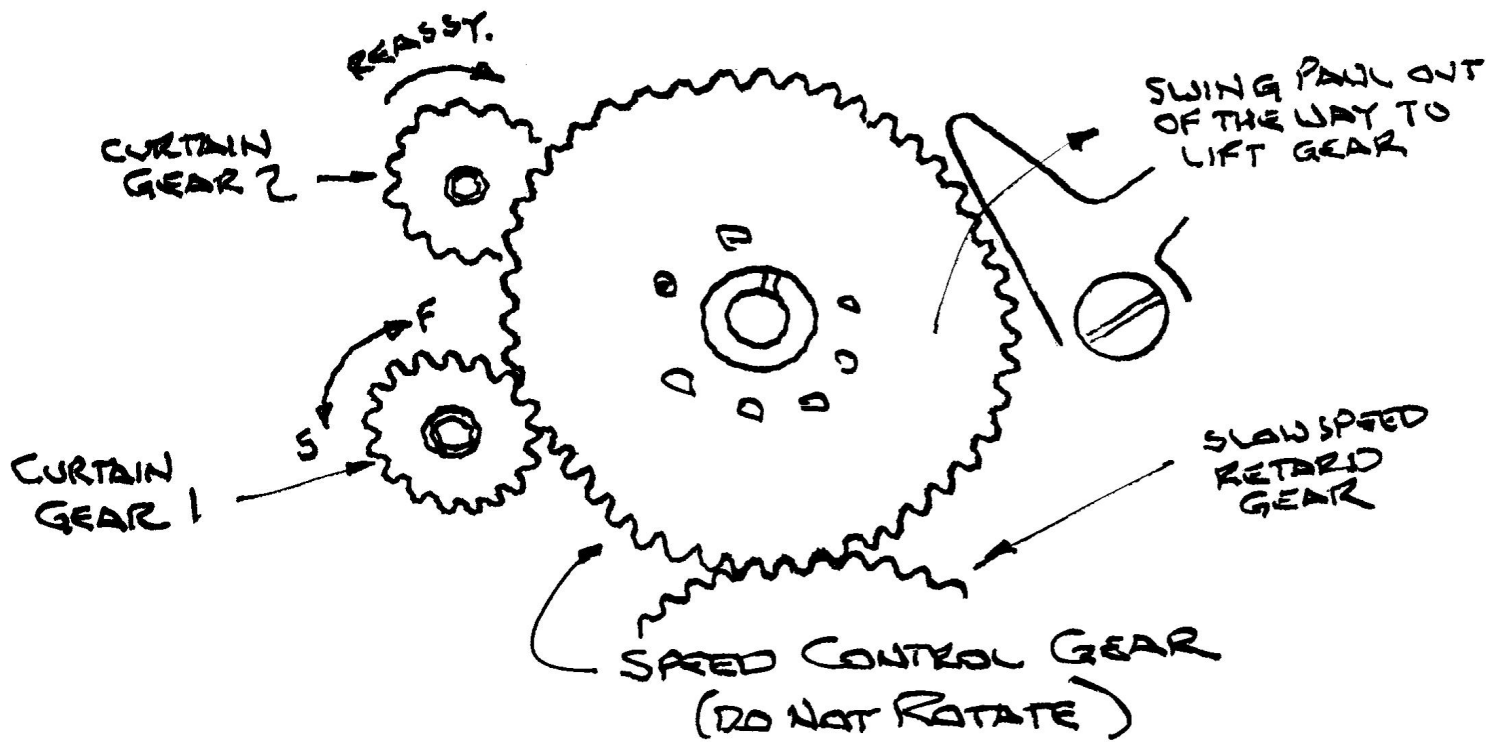
— 2 mirror links visible through
arc-shaped in side plate.

↻ Winding pushes Link 2 to
spring-load mirror upward.

↻ Shutter closing strikes Link 1
to release.

SPLIT WIDTH ADJUSTMENT

Kalimar Reflex
2.96



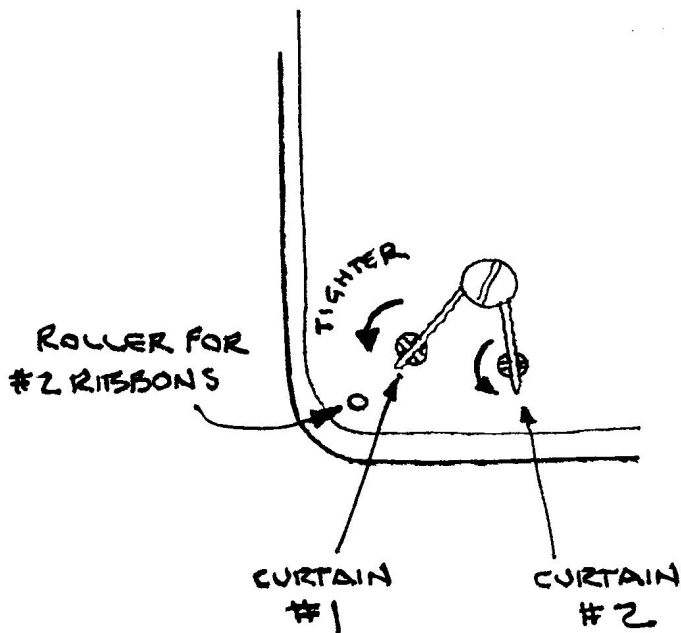
With Wind Gear Removed:

- ① BLOCK CURTAIN GEAR 1 AGAINST ROTATION. (RELEASING SPRING TENSION MAY BE HELPFUL)
 - ② LIFT SPEED CONTROL GEAR OUT OF ENGAGEMENT.
 - ③ ROTATE CURTAIN GEAR 1: CW TO INCREASE OVERLAP / REDUCE SLIT WIDTH / INCREASE SPEED @ 1/500; CCW TO INCREASE SLIT WIDTH, FIX TOP-END FADE.
 - ④ RE-ENGAGE SPEED CONTROL GEAR. PRESS IT DOWN WHILE ROTATING CURTAIN GEAR 2* CW UNTIL IT SEATS FULLY.
- ONCE IT'S RIGHT, MARK GEAR POSITIONS.

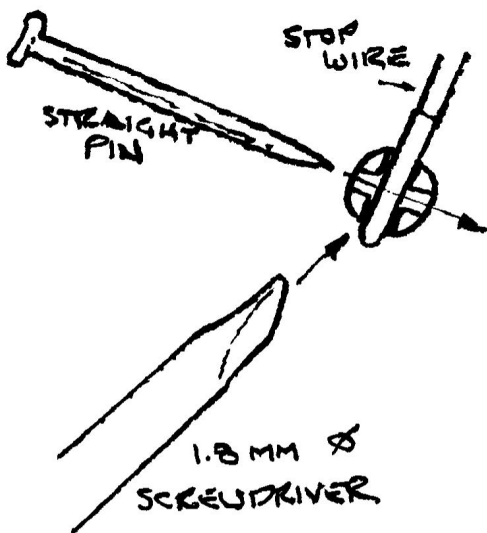
* - IT MAY BE EASIER TO TURN SLOW SPEED RETARD GEAR CLOCKWISE INSTEAD OF CURTAIN GEAR 2. HAS THE SAME EFFECT.

SHUTTER CURTAIN TENSION

KALIMAR REFLEX 2.10.96



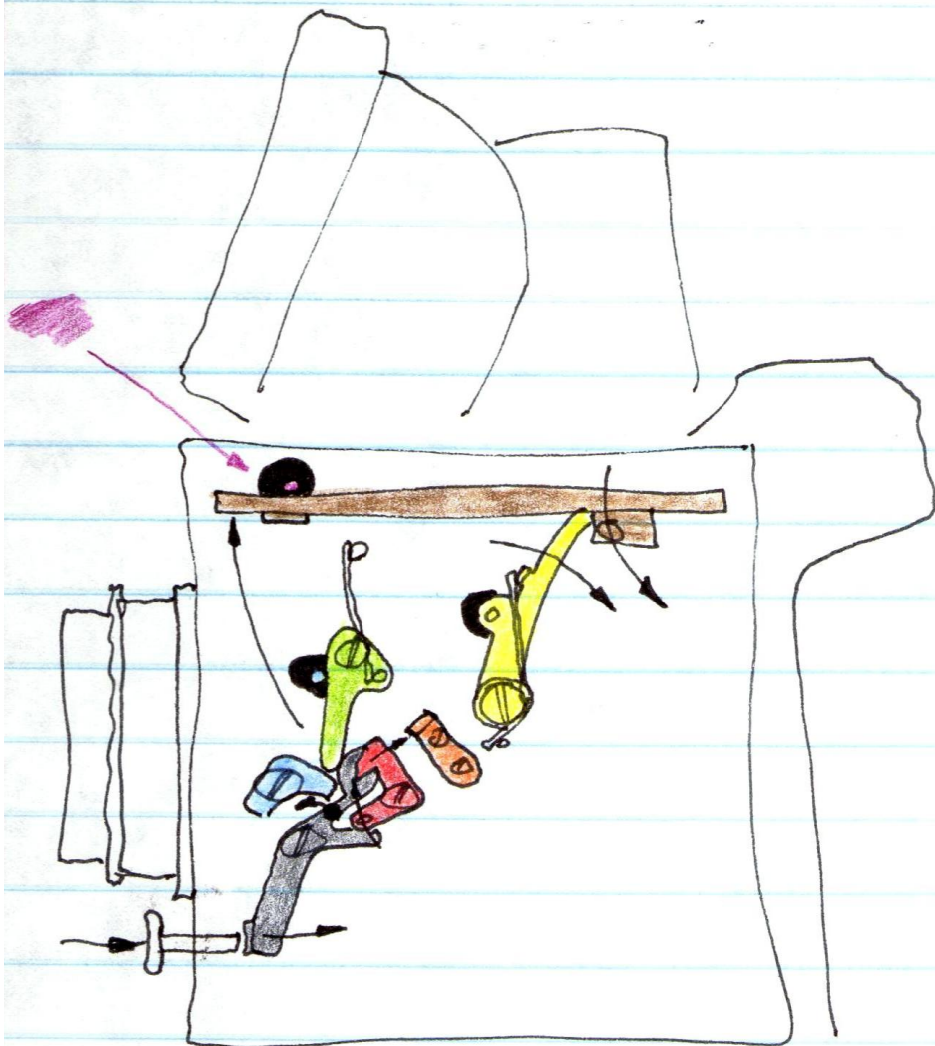
TO ADJUST CURTAIN TENSION:



- ① INSERT STRAIGHT PIN UNDER STOP WIRE
- ② LIFT STOP WIRE OUT OF SHAFT
- ③ INSERT SCREWDRIVER IN SLOT
- ④ WITHDRAW PIN, ADJUST WITH SCREWDRIVER
- ⑤ REINSERT PIN, REMOVE SCREWDRIVER
- ⑥ REPLACE STOP WIRE

Kalimar Reflex Release Sequence

RSD 12.1.87.



Shutter release button moves lever ● which rotates mirror catch ●, releasing mirror ● which rises until tab on mirror strikes pin ●, releasing shutter. Closing of shutter releases mirror return lever ● which engages pin on mirror & drives mirror down to stop ●, where it is held until film is wound. On winding, lever ● returns to up position & mirror rises slightly to engage catch ●. Can ● blocks shutter release until film is wound (would seem unnecessary). Can ● is tripped by lever ●.