

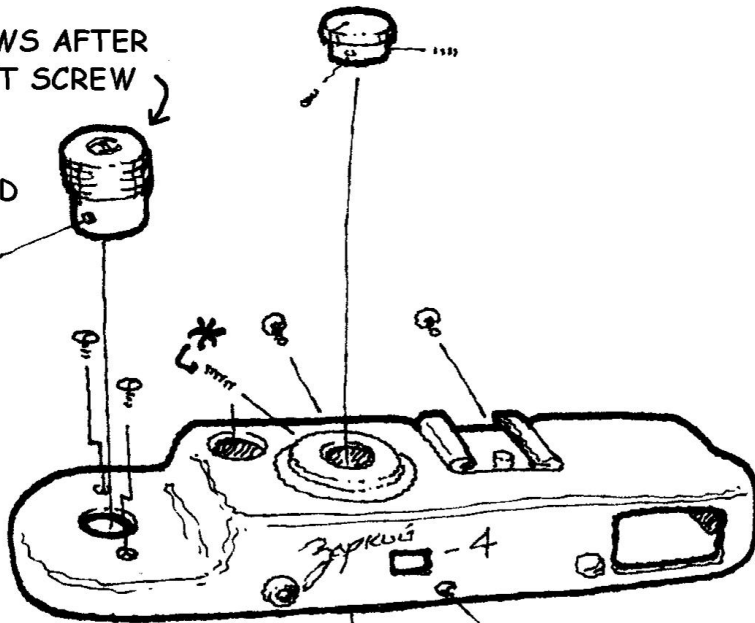
Zorki-4 1.22.00
TOP COVER REMOVAL

KNOB UNSCREWS AFTER
REMOVING SET SCREW

RH
THREAD

DIAL LIFTS OFF AFTER
REMOVING SET SCREWS

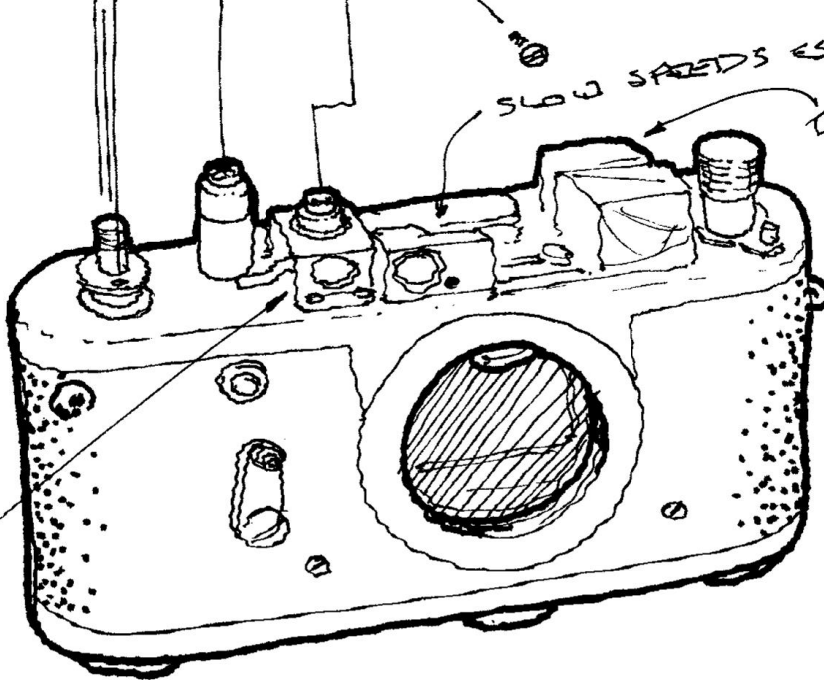
* - SET SCREW
MUST BE
LOOSENED
FROM SYNCH
DIAL BEFORE
LIFTING COVER.



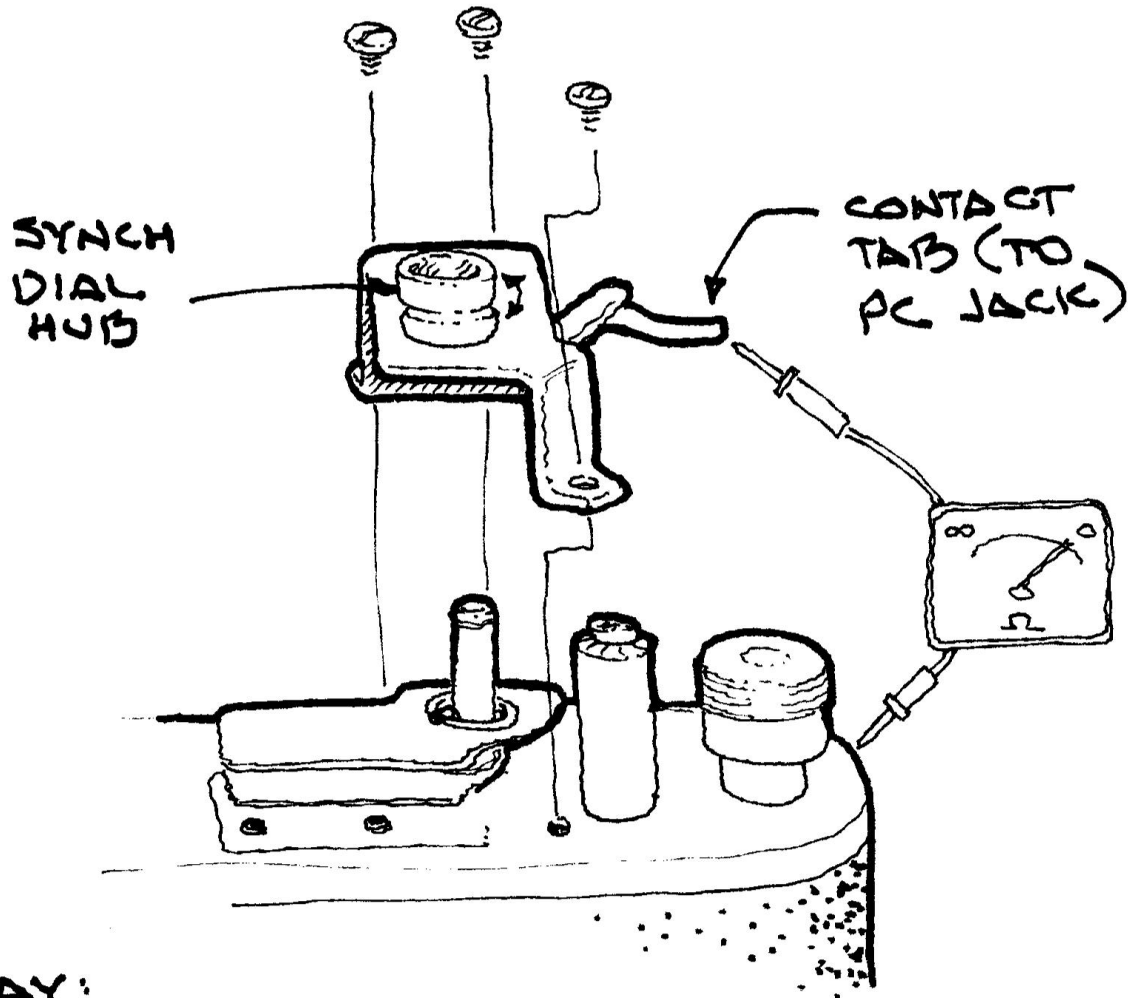
SLOW SPEEDS ESCAPEMENT

DIAPHRAGM ADJUST
(REM. 2 SCREWS
FROM REAR
FOR ACCESS)

VARIABLE
SYNCH
MECHANISM



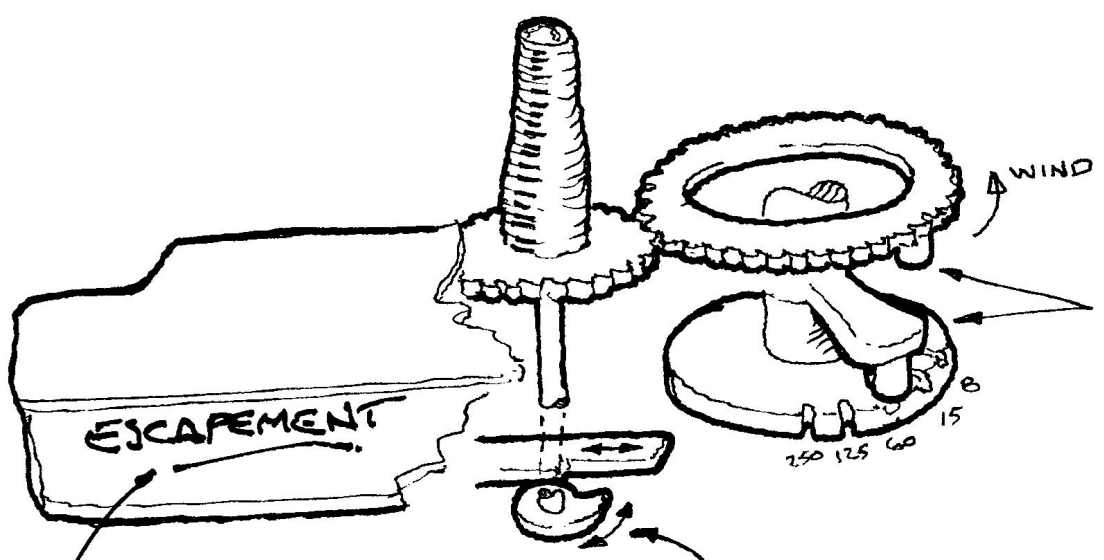
SYNCH MODULE REMOVAL/REASSY



TO SET DELAY:

- RELEASE SHUTTER (ANY SPEED)
- LOCK SR BUTTON DOWN
- ATTACH OHMMETER FROM CHASSIS TO CONTACT TAB
- TURN DIAL HUB CCW UNTIL CONTACT IS MADE (MUST BE SOLID CONTACT)
- ▷ THIS POSITION IS "0" DELAY

SLOW SPEEDS MECHANISM



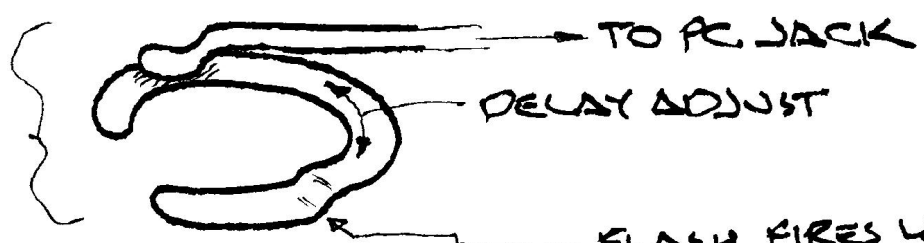
AS SS DIAL
PASSES 1/60,
ARM ENGAGES
PIN & BEGINS
TO WIND UP
RING GEAR

ESCAPEMENT
CONTROLS
SPEED OF
RING GEAR'S
ROTATION

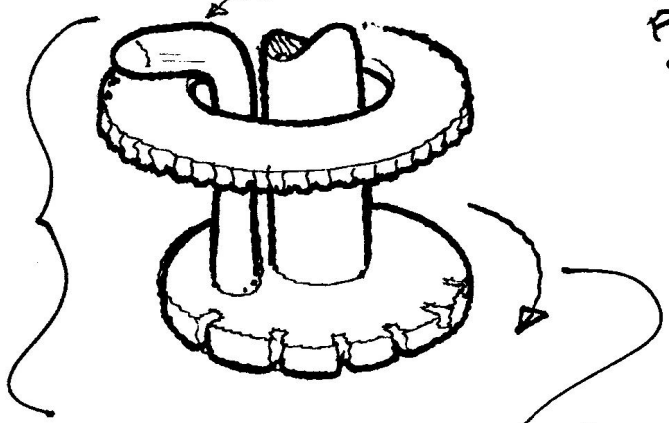
AS RING GEAR BEGINS TO WIND
UP, PAUL ADVANCES TO BLOCK
CAM ON SHAFT OF #2 CURTAIN -
PAUL RETRACTS WHEN RING GEAR
RETURNS TO ITS REST POSITION.

FLASH SYNCH

SYNCH
ADJUSTING
MECHANISM



SHUTTER
CURTAIN
SHAFT

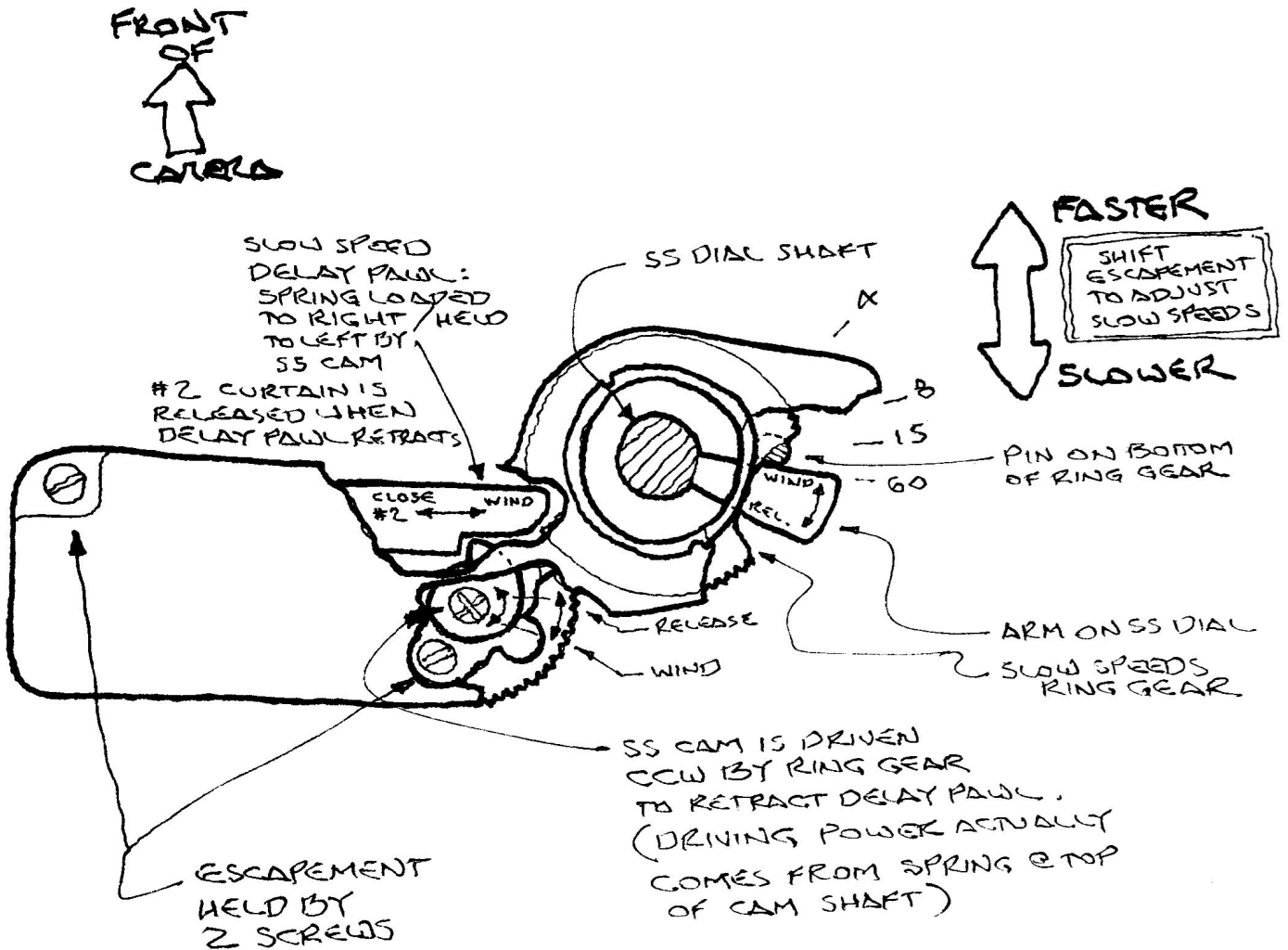


FLASH FIRES WHEN
PIN ON #1 CURTAIN
SHAFT TOUCHES
CONTACT
DELAY DIAL.

ROTATION DIRECTION
(FIRING)

ZORIK 4 SLOW SPEEDS SYSTEM (FED 3-5 NEARLY IDENTICAL)

1:22:00

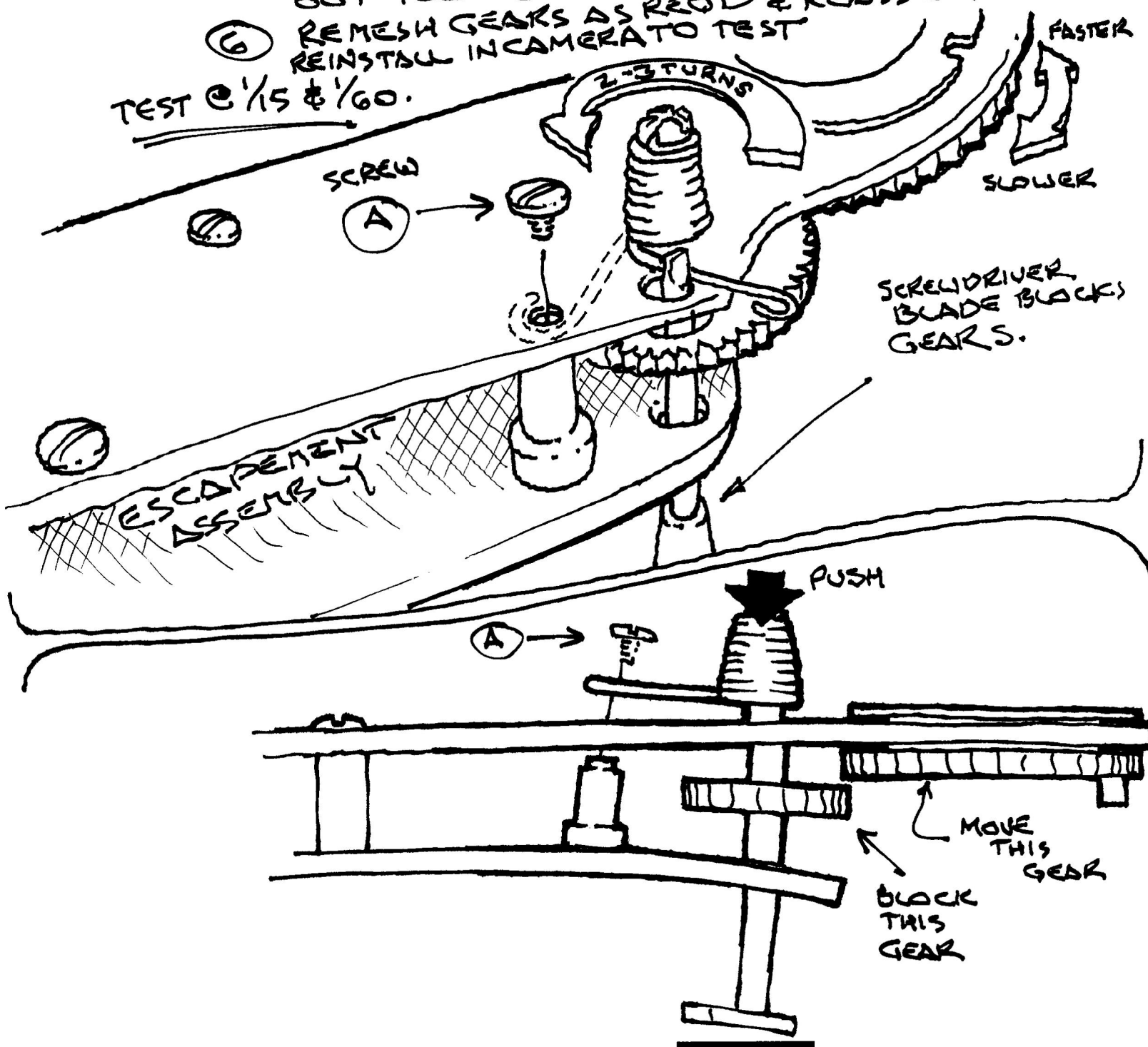


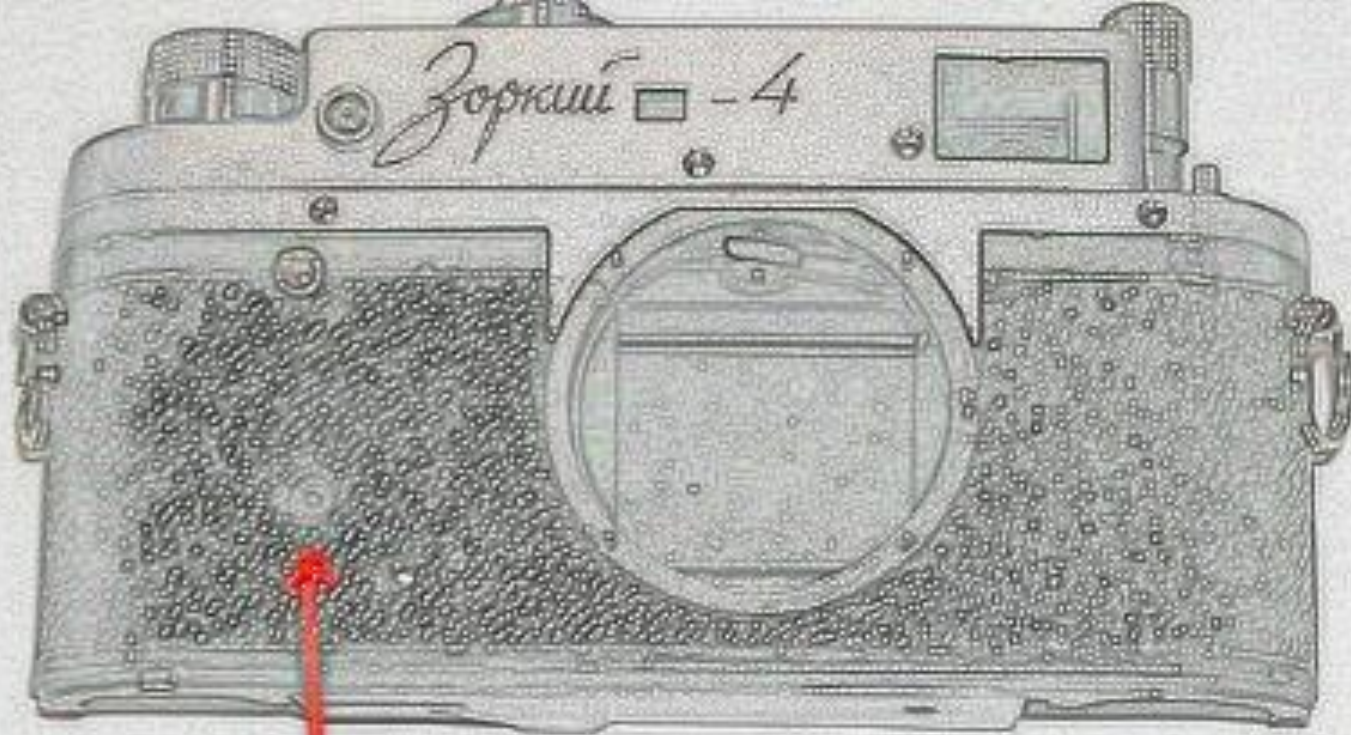
- REST POSITION OF PIN ON SLOW SPEED RING GEAR IS AT 9:00 POSITION; MECHANISM IS WOUND UP BY ARM FROM BEHIND PIN (CCW ROTATION)
- $\frac{1}{15}$ SEC (MOST CRITICAL SLOW SPEED) CAN BE ADJUSTED SOMEWHAT BY LOOSENING 2 SCREWS & SHIFTING ESCAPEMENT ASSY FORWARD (FOR FASTER SPEED) OR BACK (SLOWER).
- IF SHIFTED TOO FAR BACK, CAM MAY FAIL TO ENGAGE PAWL. IF THIS HAPPENS, #2 CURTAIN WILL FAIL TO CLOSE AND RING GEAR WILL RUN ON PAST ITS NORMAL REST POSITION.
- IF THIS DOES NOT CORRECT PROBLEM, GEAR MESH MUST BE CHANGED (SEE NEXT SHOT.)

ZORKI 4 - SLOW SPEED ADJUSTMENT 1.24.00

- ① REMOVE ESCAPEMENT FROM CAMERA
(DO NOT ALLOW GEARS TO TURN!)
- ② BLOCK GEARS WITH SCREWDRIVER BLADE
OR PAPER CLIP THRU HOLES (SEE DWG.)
- ③ REMOVE SCREW **A** DONT LOSE IT!
- ④ RELEASE TENSION ON DRIVE SPRING (FACTORY
TENSION IS 3 TURNS CCW; I PREFER 2 TURNS.)
- ⑤ MARK GEAR MESH POSITION. PUSH DOWN
ON TOP OF SPRING TOWER UNTIL GEARS COME
OUT OF MESH (* OTHER THINGS CAN COME
OUT TOO - BE CAREFUL)
- ⑥ REMESH GEARS AS REQ'D & REASSEMBLE.
REINSTALL IN CAMERA TO TEST

TEST @ 1/15 & 1/60.

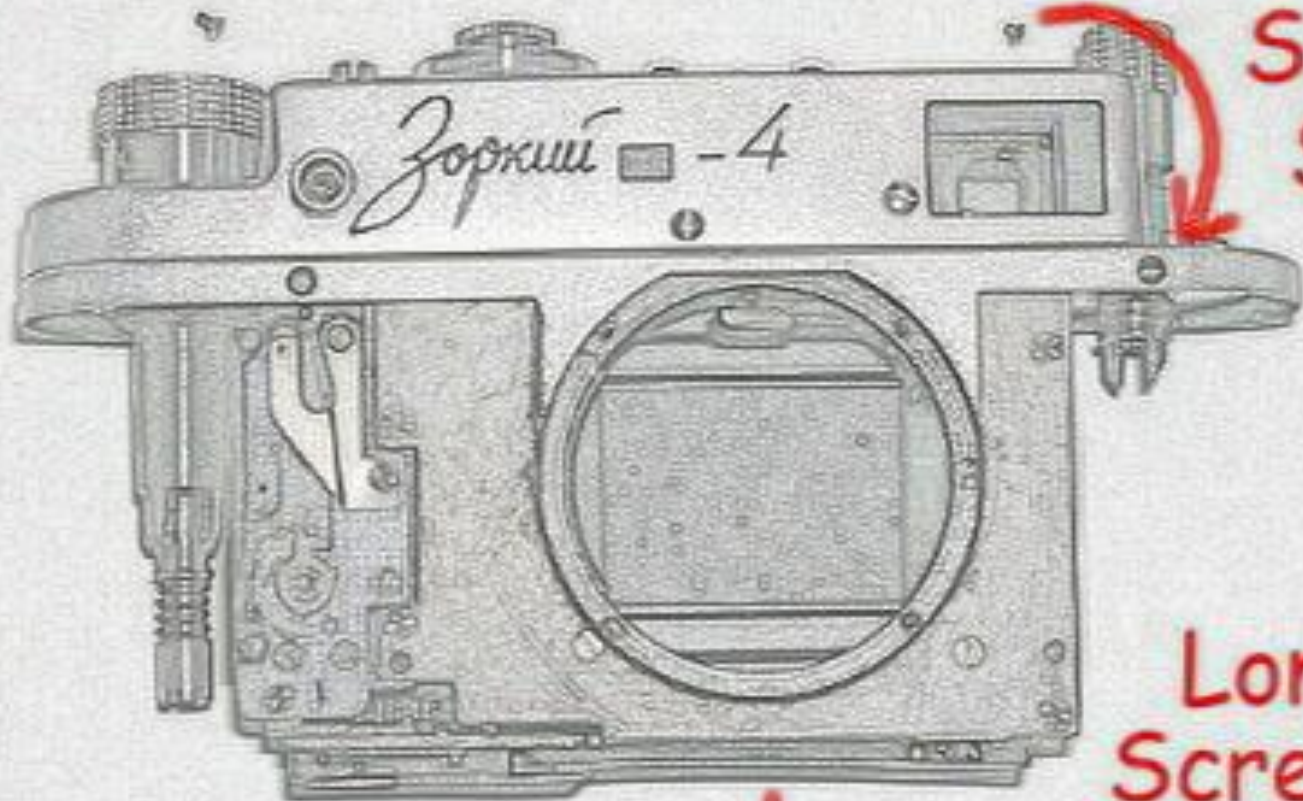




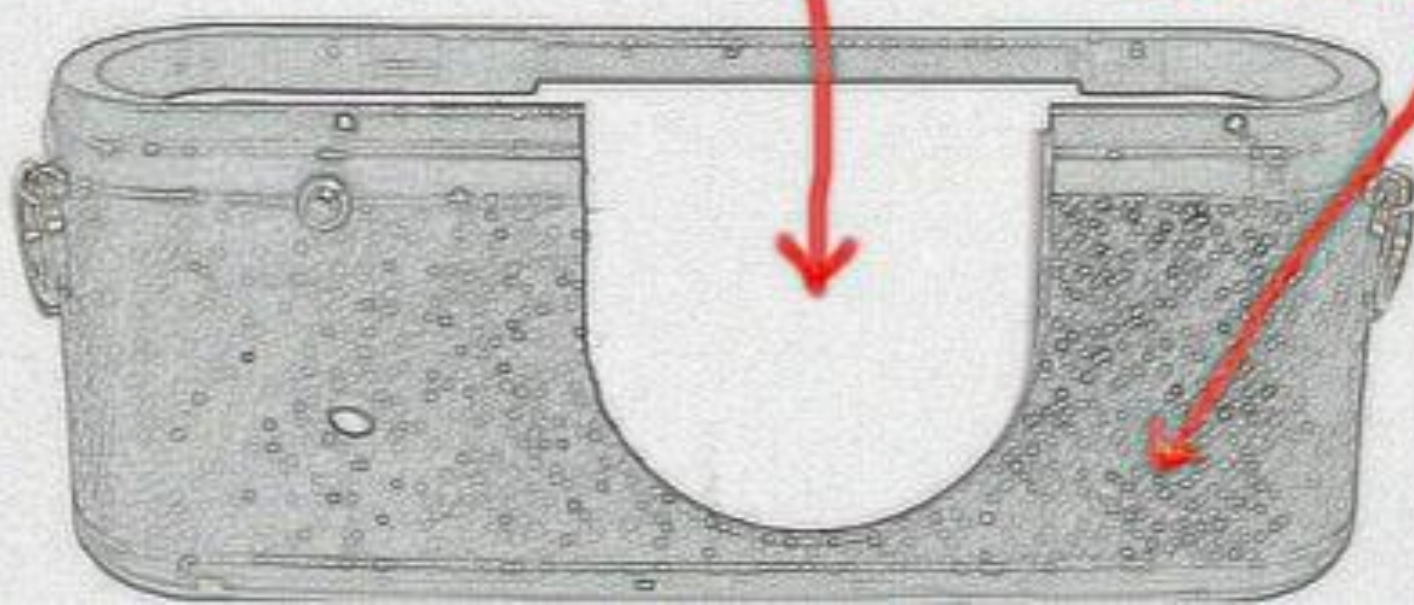
Light Seal



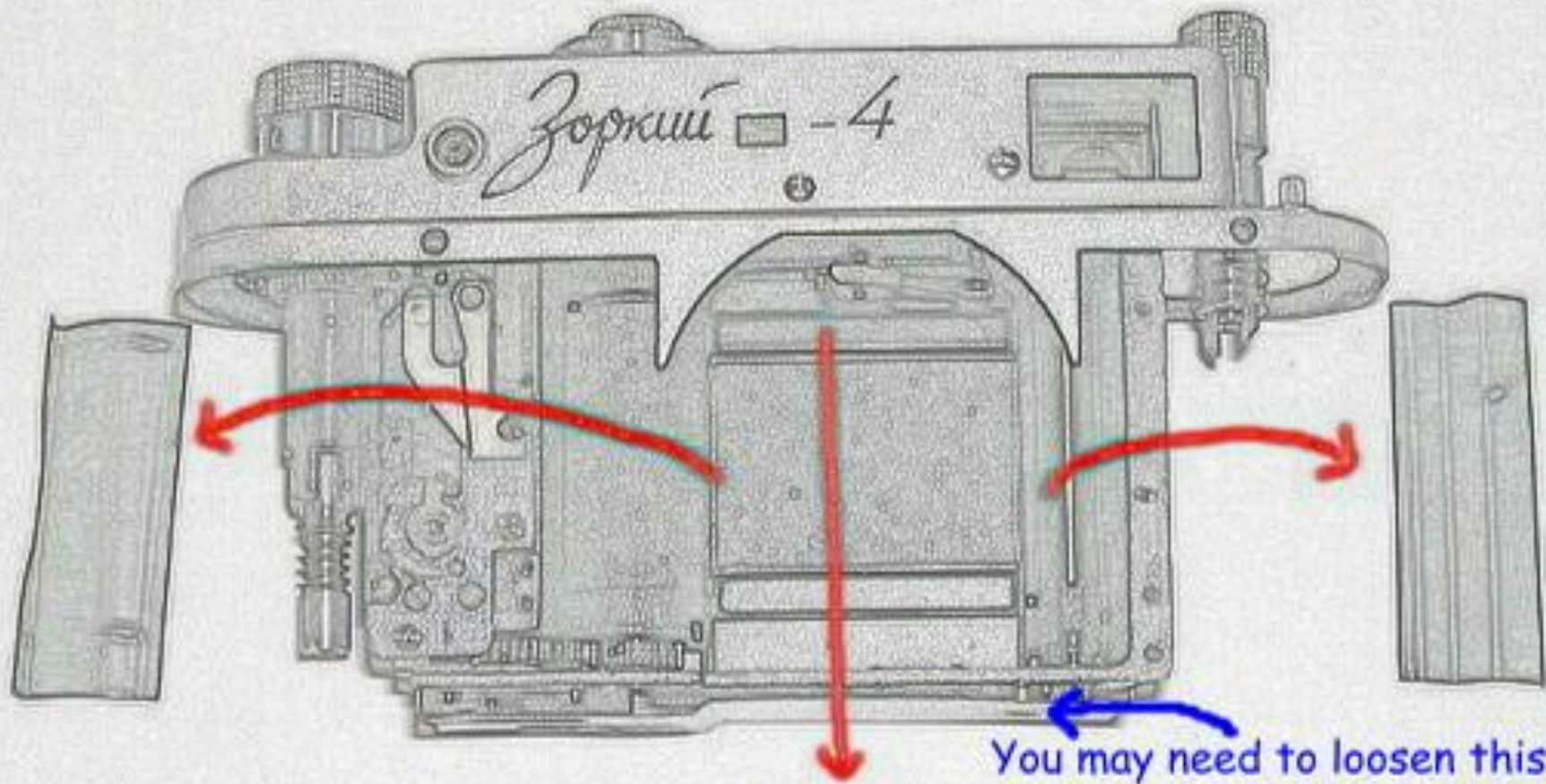
Paper Shims



Shorter
Screw

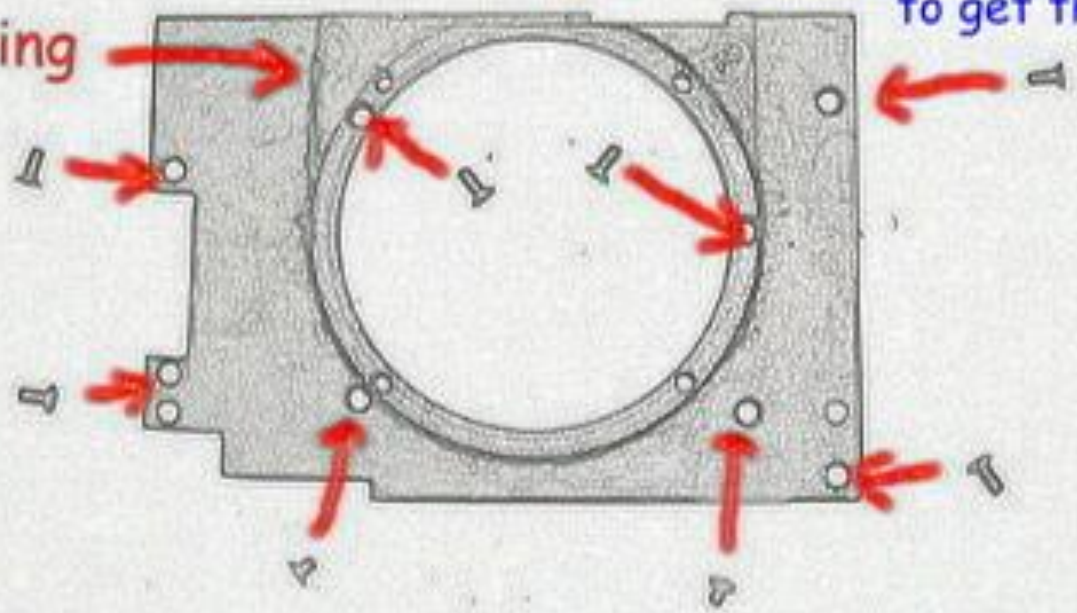


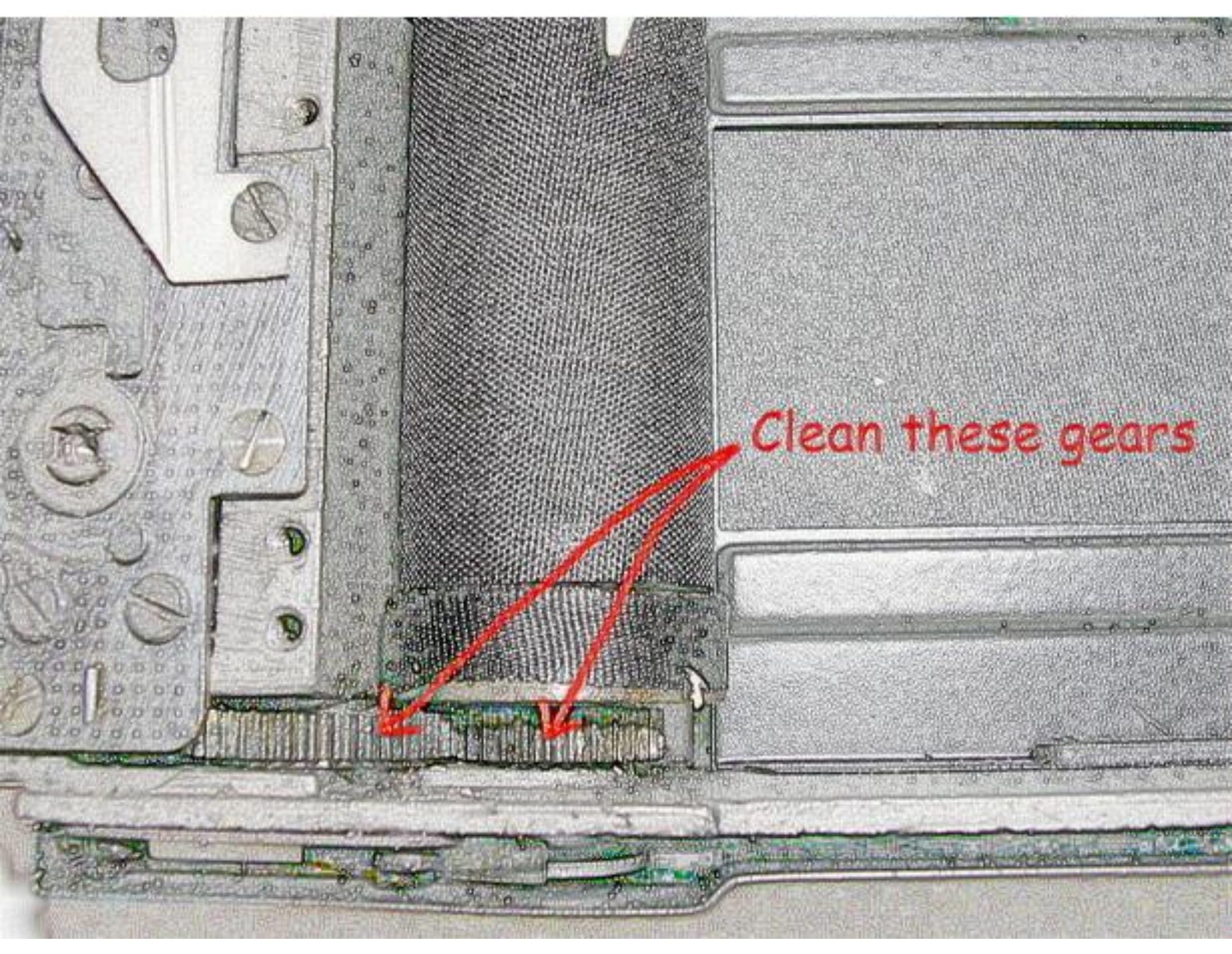
Long
Screws



You may need to loosen this screw to get the light baffle out

Note light seal string





Clean these gears