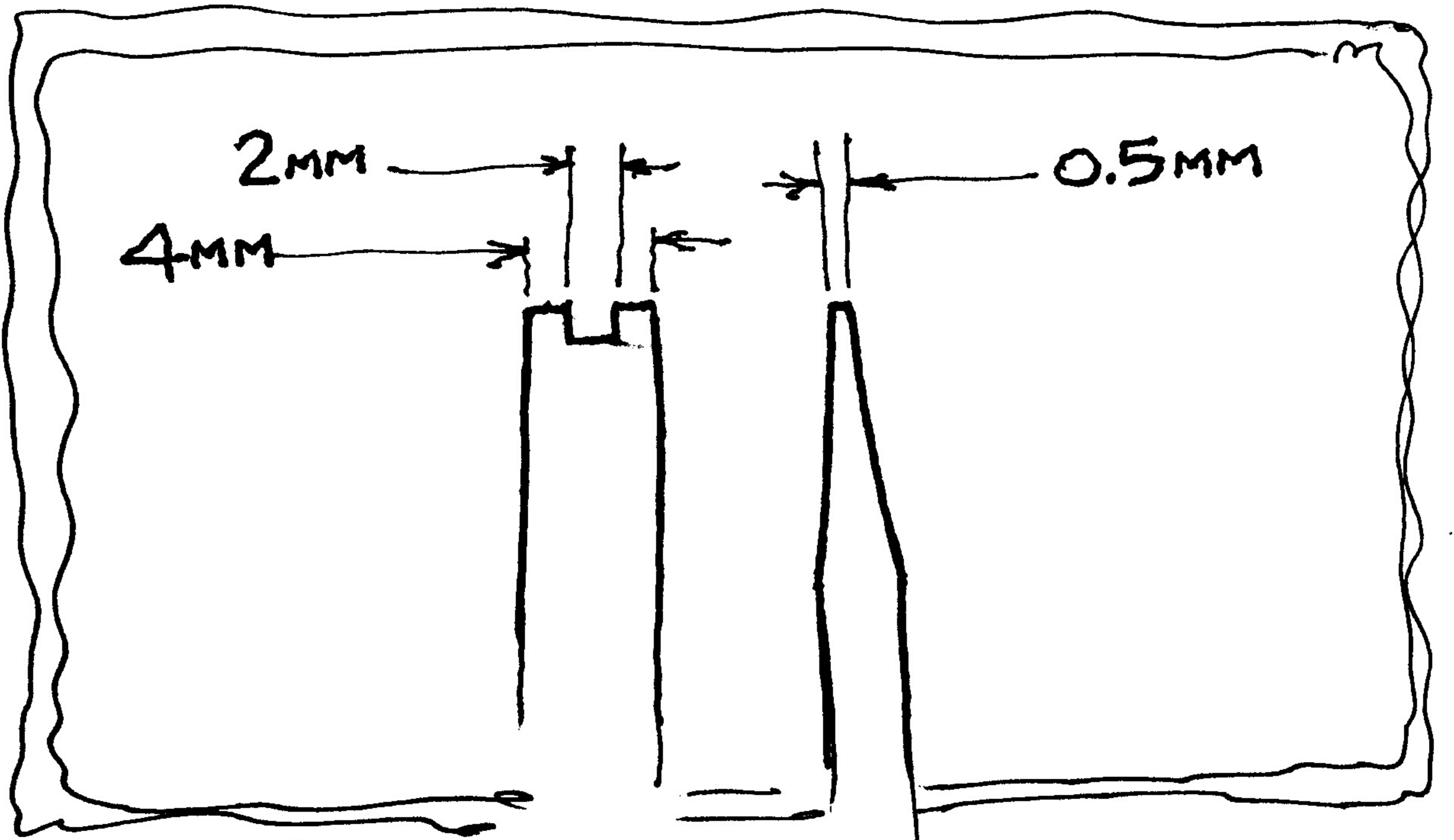
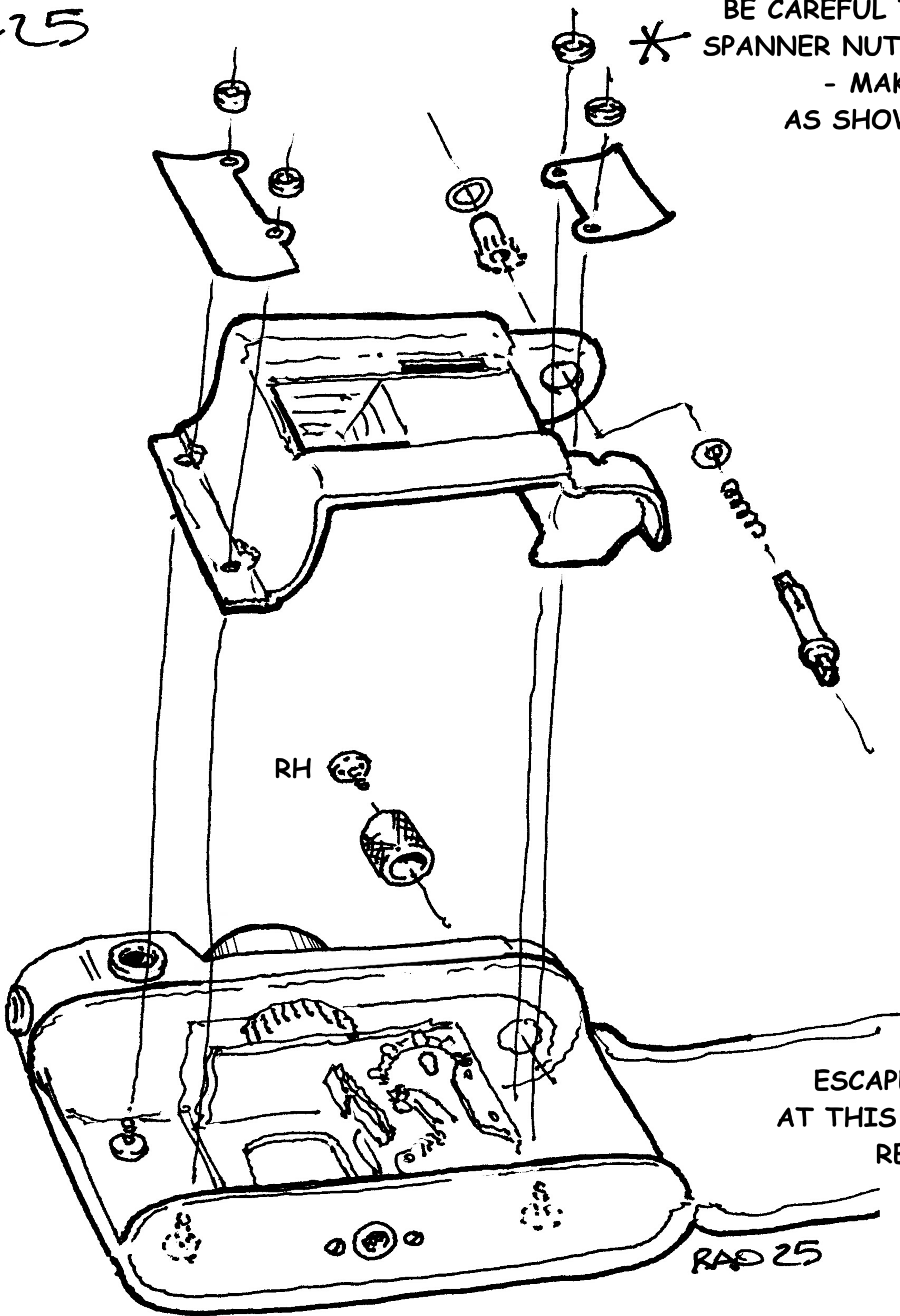


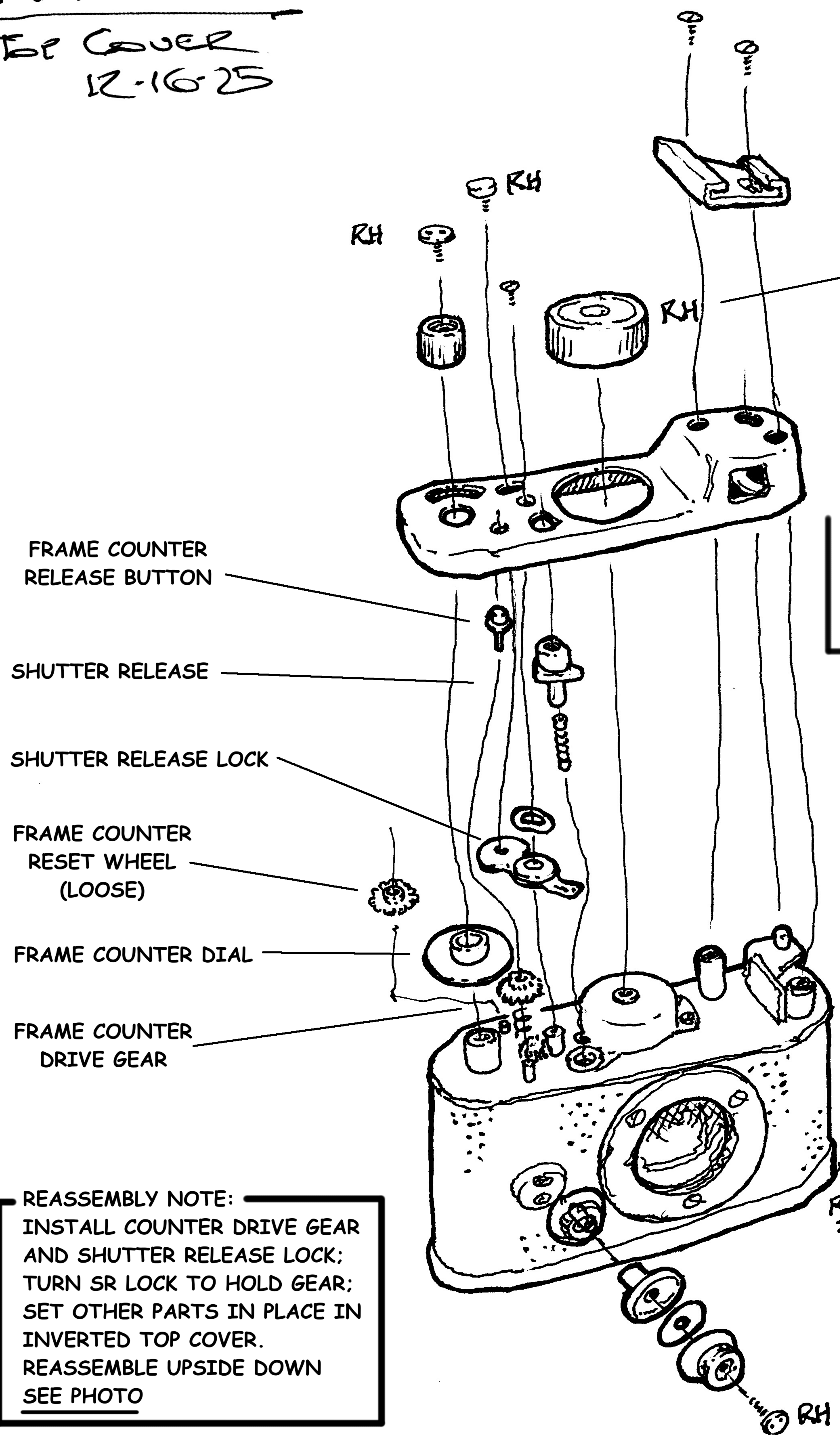
ROBOT IIa
SHUTTER ACCESS
12.18.25

BE CAREFUL TO ONLY TURN
SPANNER NUTS, NOT SCREWS
- MAKE TOOL
AS SHOWN BELOW



* TOOL FOR
SPANNER NUTS

Robot IIa
 Top Cover
 12-16-25



UNSCREW WIND KNOB
 BY HAND - MAY NEED
 RUBBER GLOVE FOR GRIP

NOTE:
 Viewfinder **MUST BE SET** at the
 normal straight-through position
 (not the right-angle position)
 to remove top cover.

REASSEMBLY NOTE:
 INSTALL COUNTER DRIVE GEAR
 AND SHUTTER RELEASE LOCK;
 TURN SR LOCK TO HOLD GEAR;
 SET OTHER PARTS IN PLACE IN
 INVERTED TOP COVER.
 REASSEMBLE UPSIDE DOWN
 SEE PHOTO

RAD
 25

RH

RoBoT IIa

Removing Shutter Module

AFTER REMOVING TOP COVER
AND INNER CASTING

REMOVE 4 SCREWS AND
LIFT OFF MOTOR COVER

RELEASE RATCHET PAWL
BELOW MOTOR AND LIFT MOTOR OUT

SHUTTER RELEASE BUSHING
UNSCREWS CCW

LARGER HEAD

REMOVE 3 SCREWS AT
TAKEUP DRIVE BUSHING
AND LIFT BUSHING OUT

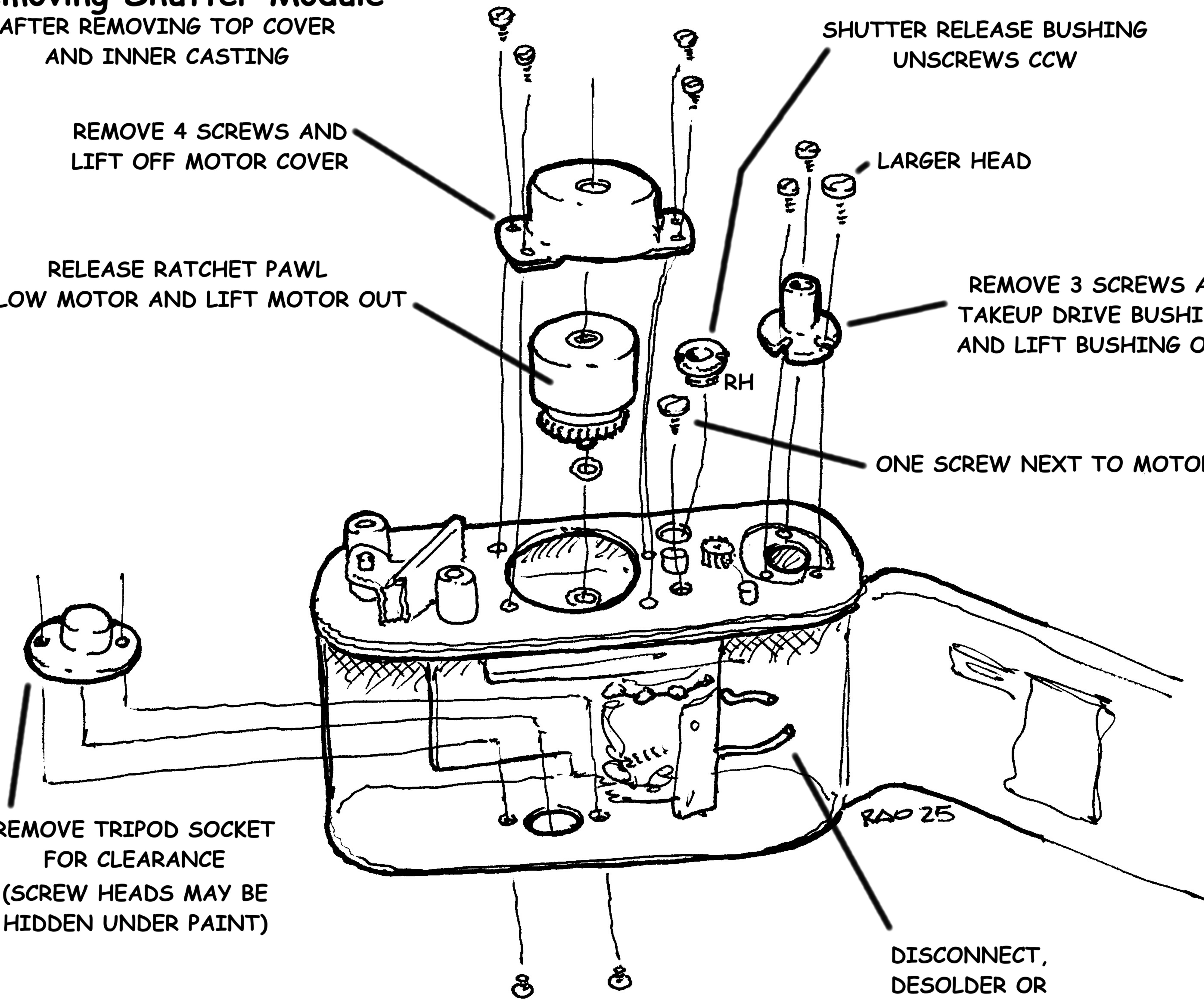
ONE SCREW NEXT TO MOTOR

REMOVE TRIPOD SOCKET
FOR CLEARANCE
(SCREW HEADS MAY BE
HIDDEN UNDER PAINT)

RAD 25

DISCONNECT,
DESOLDER OR
CUT SYNC WIRES

SHUTTER CAN NOW BE PULLED DOWNWARD
AND TO REAR TO REMOVE
FROM CAMERA BODY



RoBoT IIA
SHUTTER BLADE
DISASSEMBLY

rao 12-27-2025

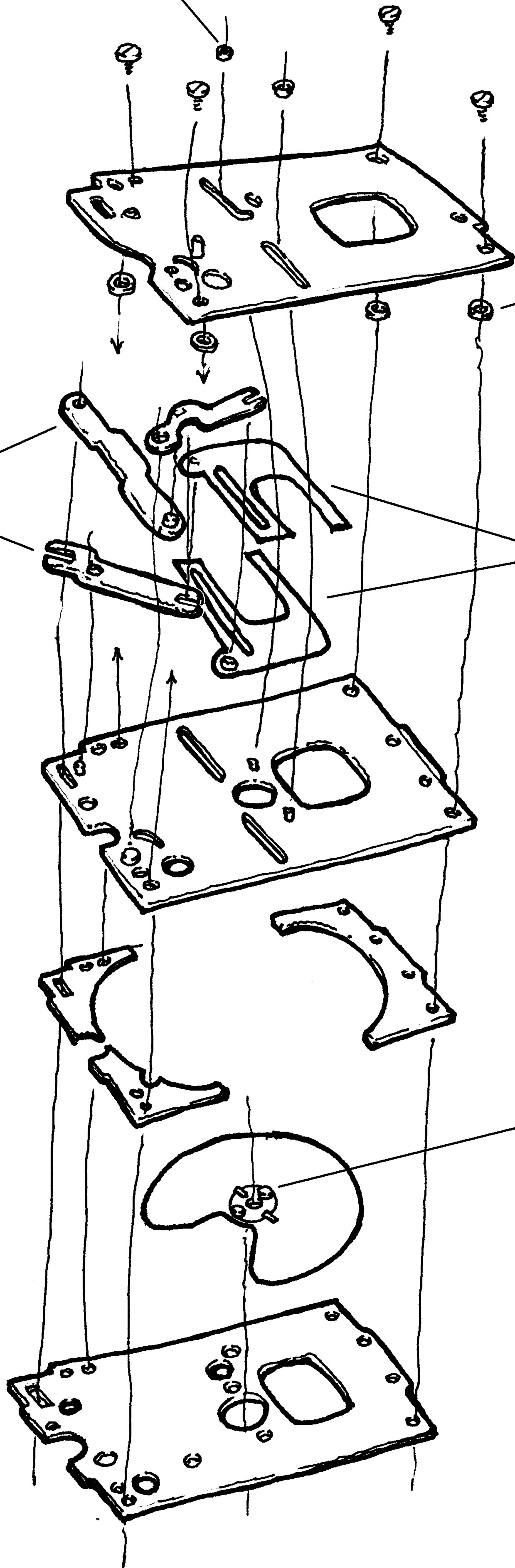
LOOSE BUSHINGS
ON BLADE GUIDES

NOTE POSITIONS
OF BLADE LINKS

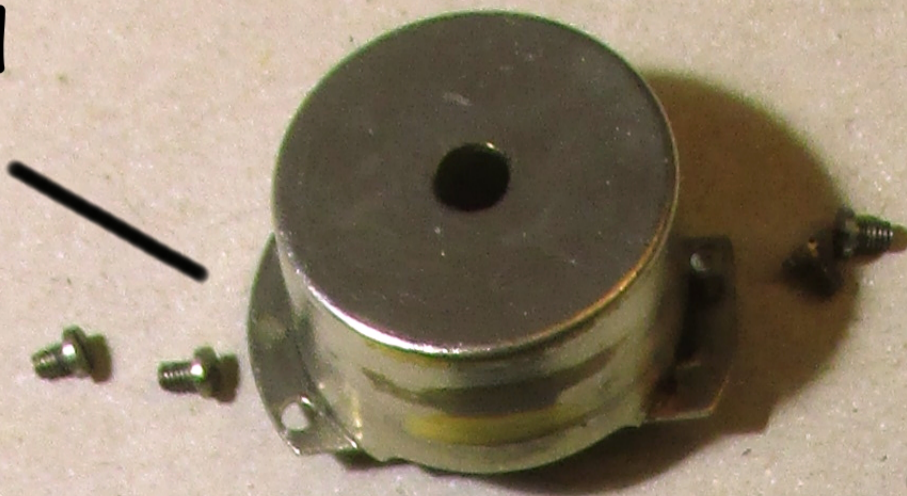
LOOSE SPACER WASHERS
UNDER 4 SCREWS
BETWEEN PLATES

2 EYELID BLADES
ARE IDENTICAL

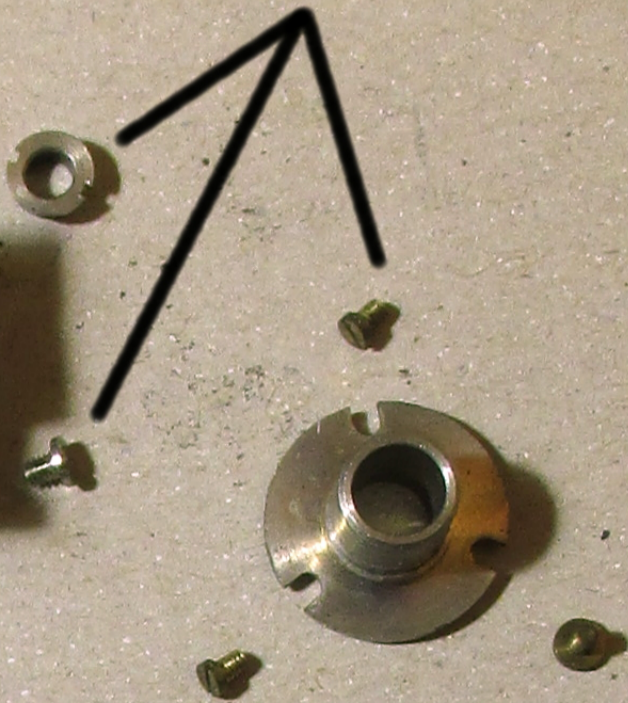
RIVET HEADS ON
FRONT SIDE OF DISC



4 screws hold
motor cover



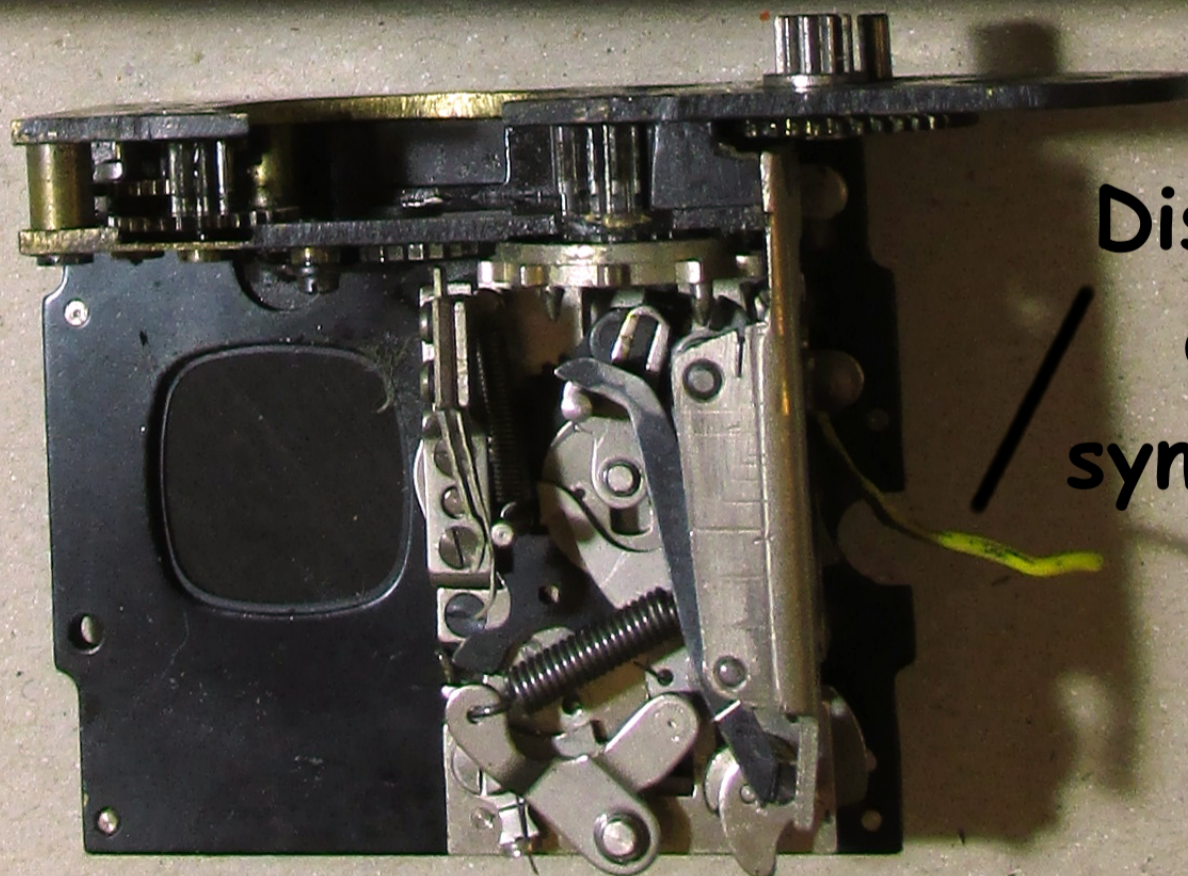
Remove 5 fasteners



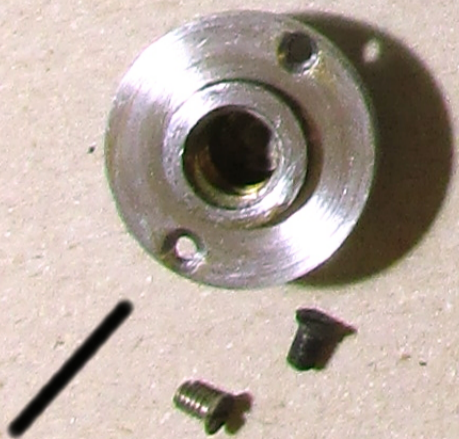
Release ratchet and
lift motor out



Disconnect
or cut
sync wire(s)

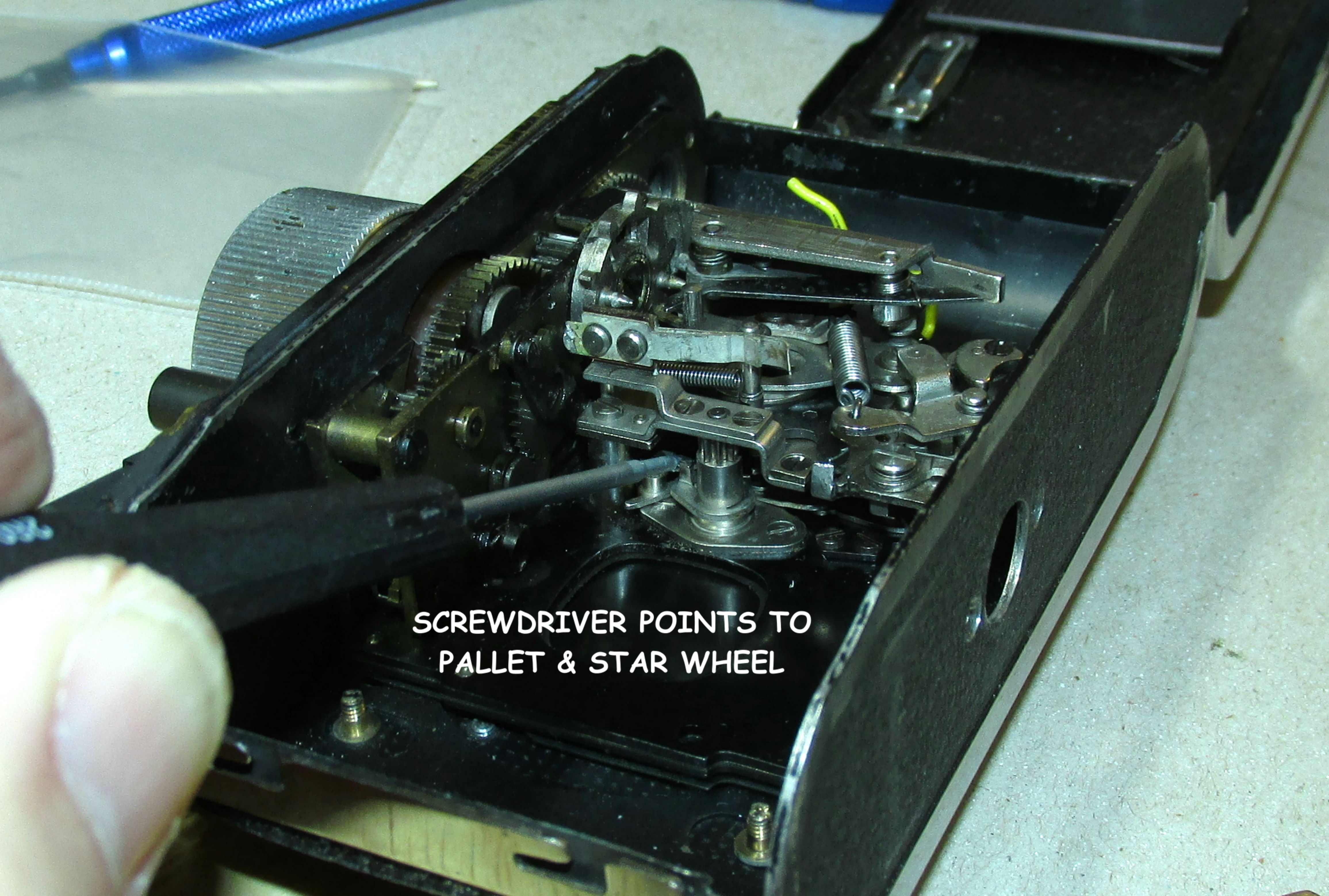


Remove tripod
socket for
clearance



Wiggle shutter downward
remove to rear

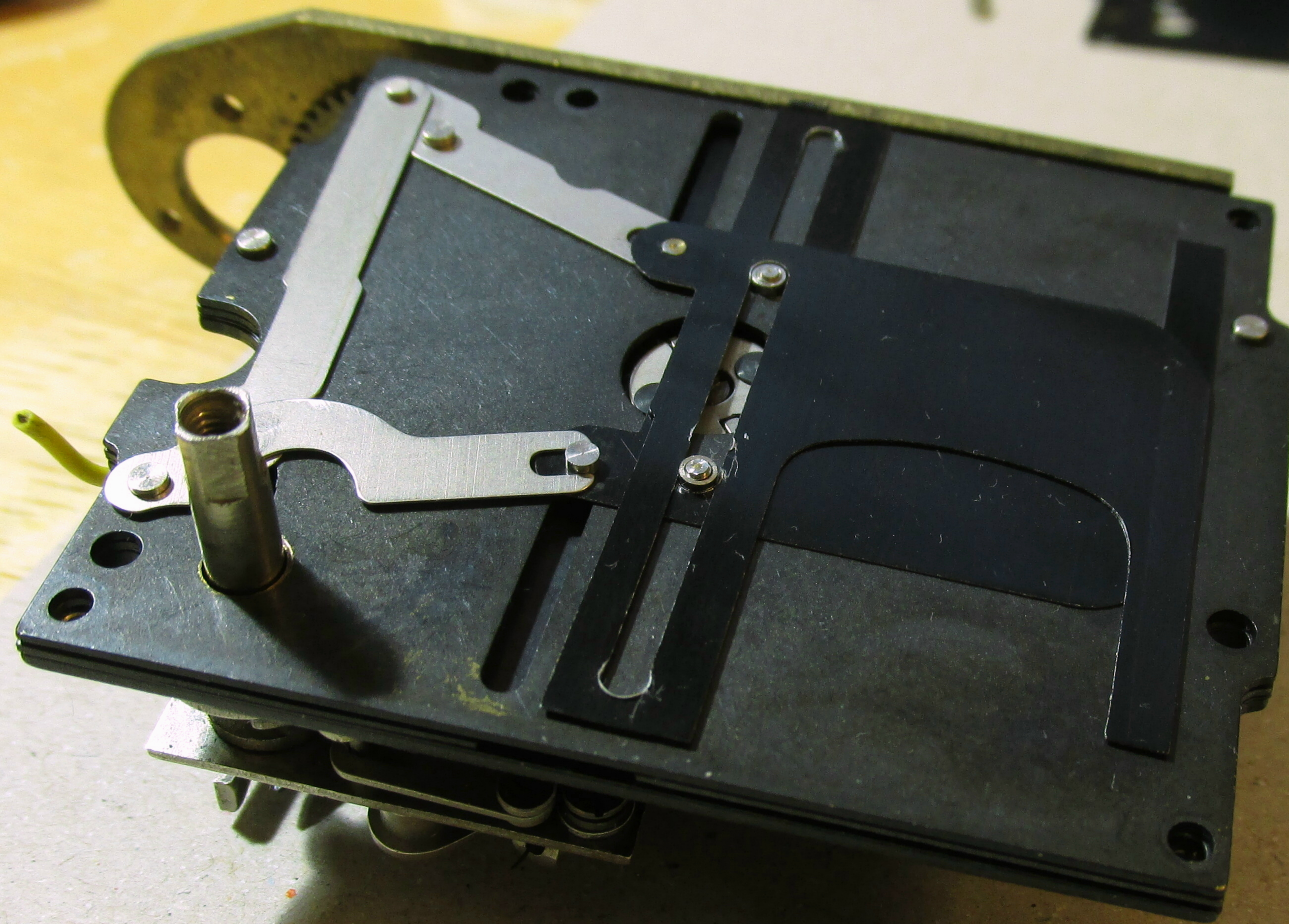
RoBoT IIa shutter removal



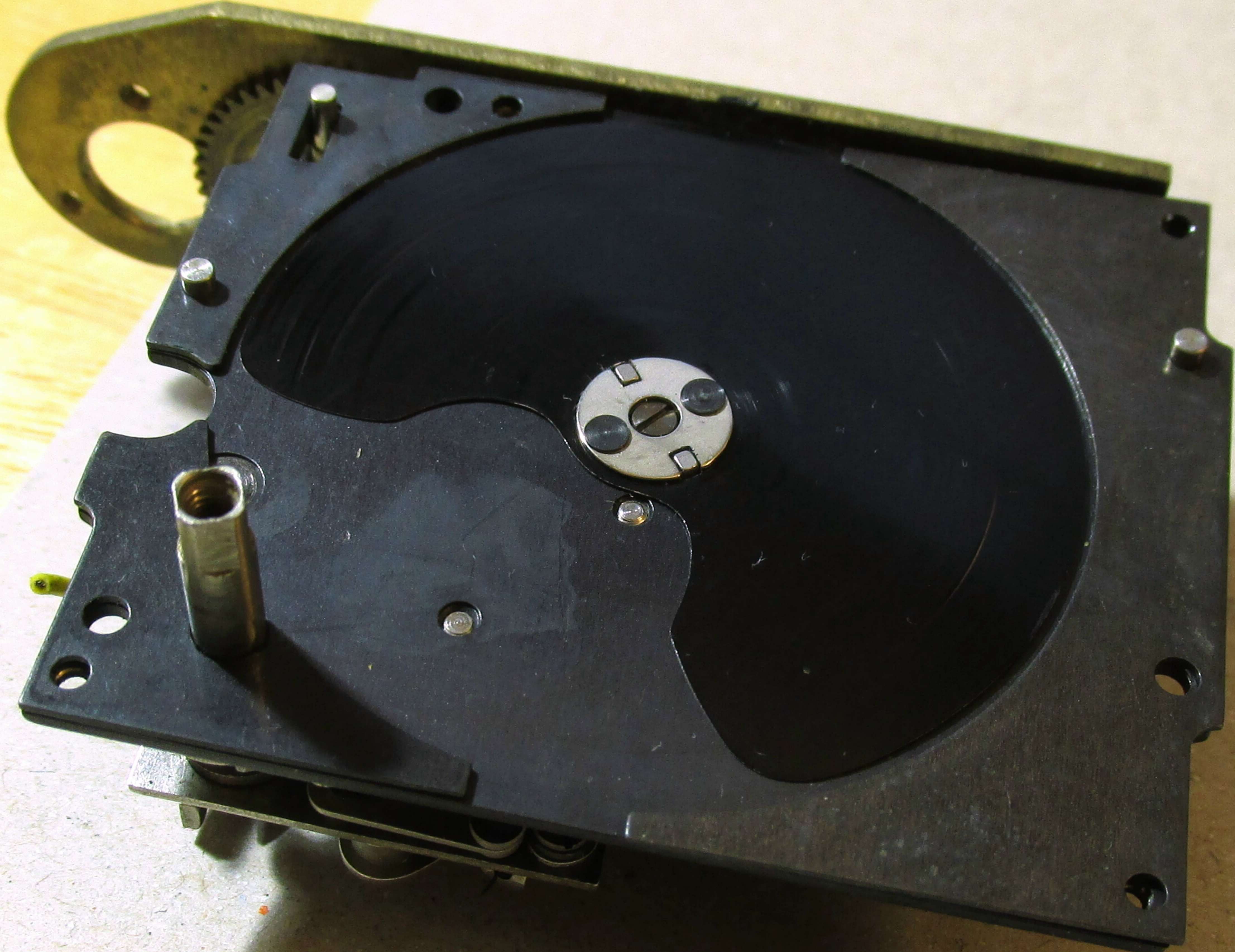
SCREWDRIVER POINTS TO
PALLET & STAR WHEEL



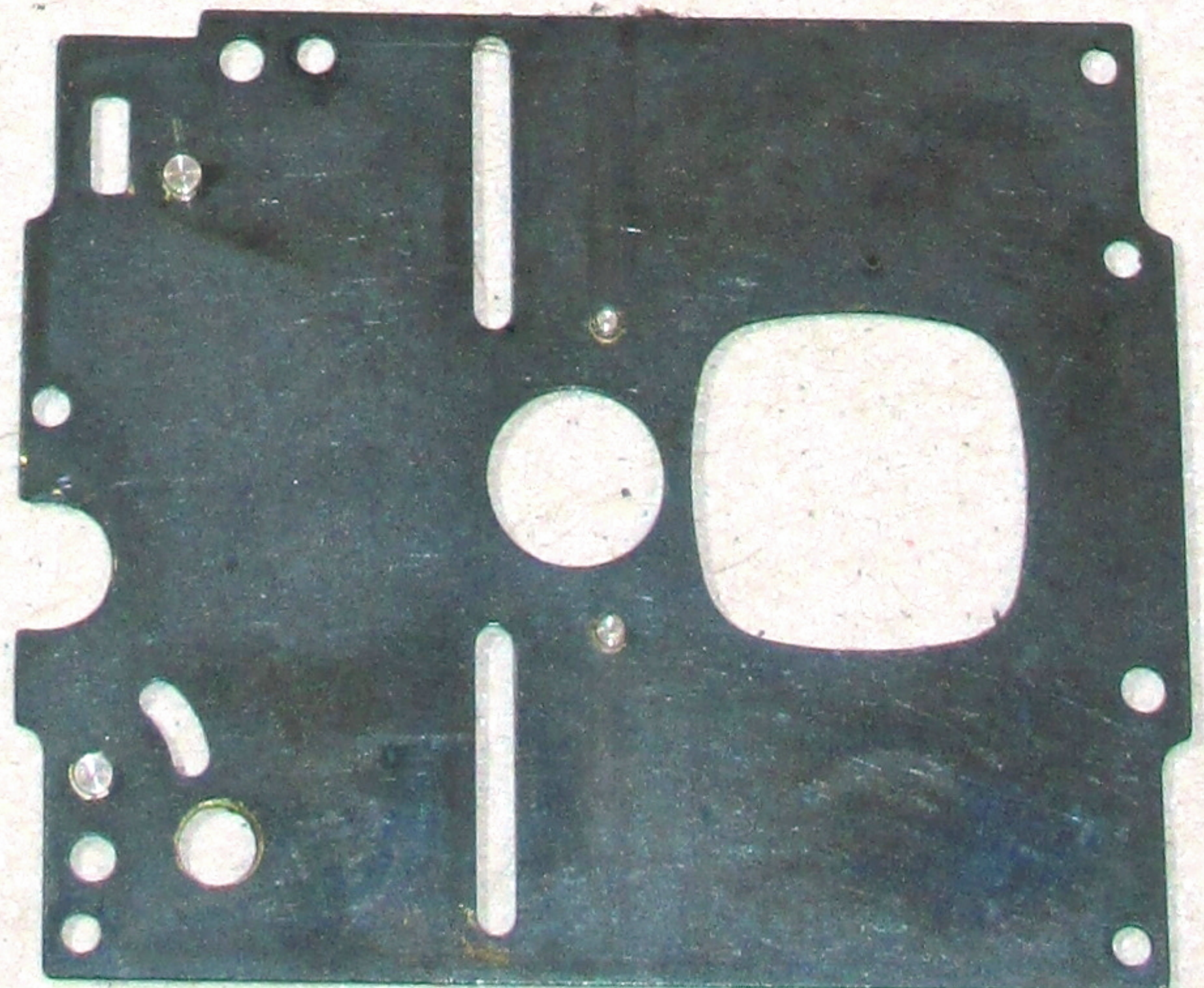
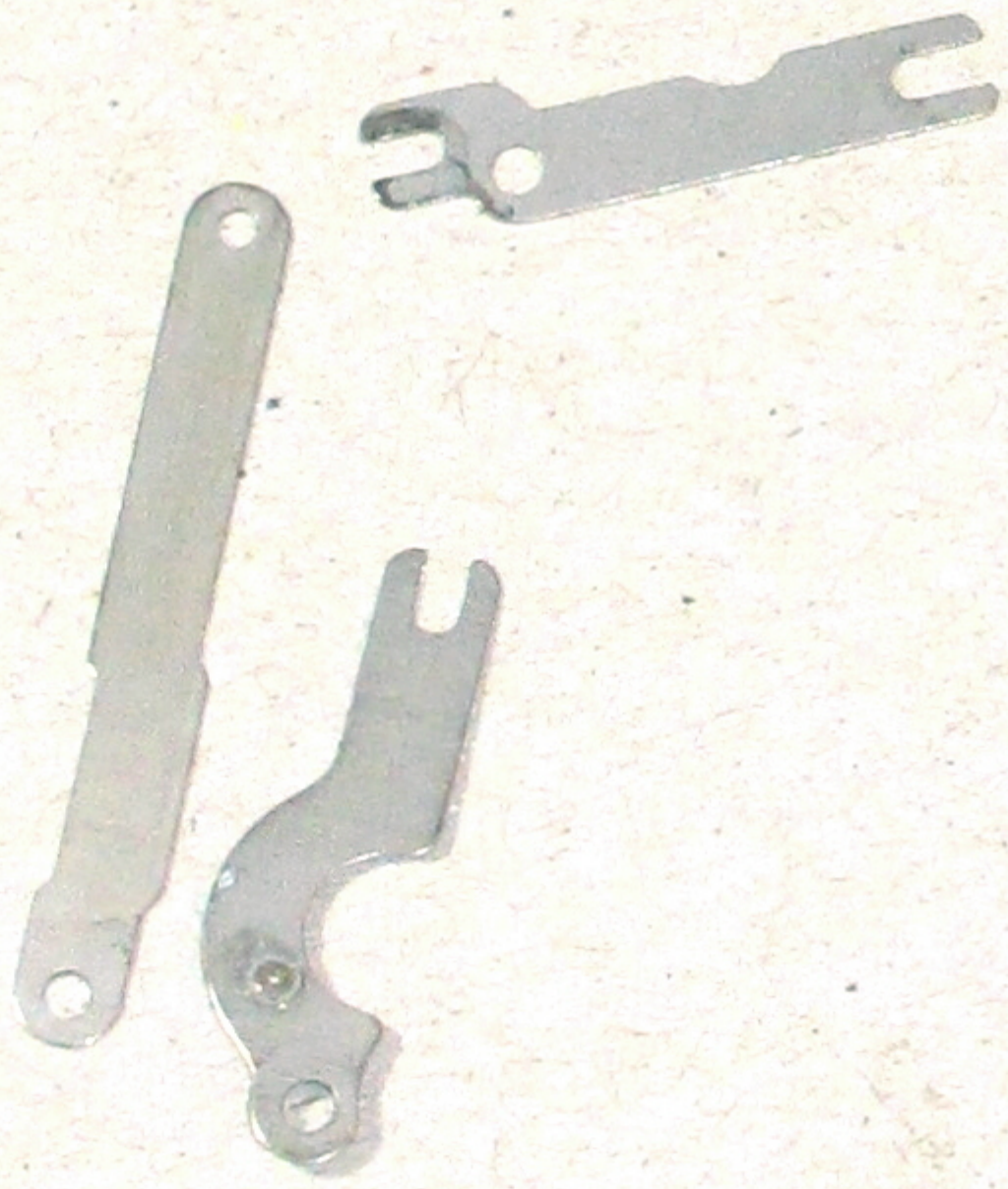
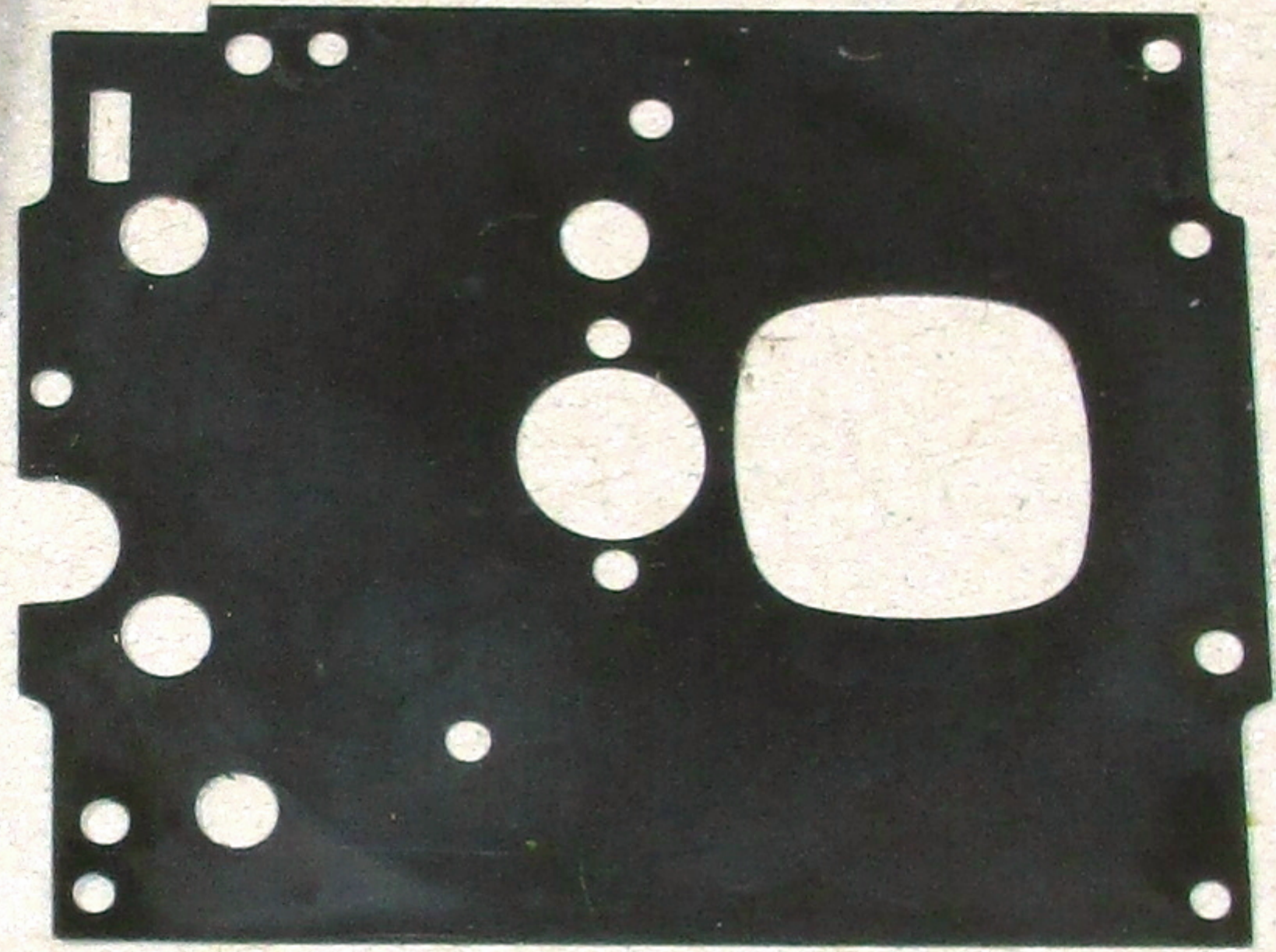
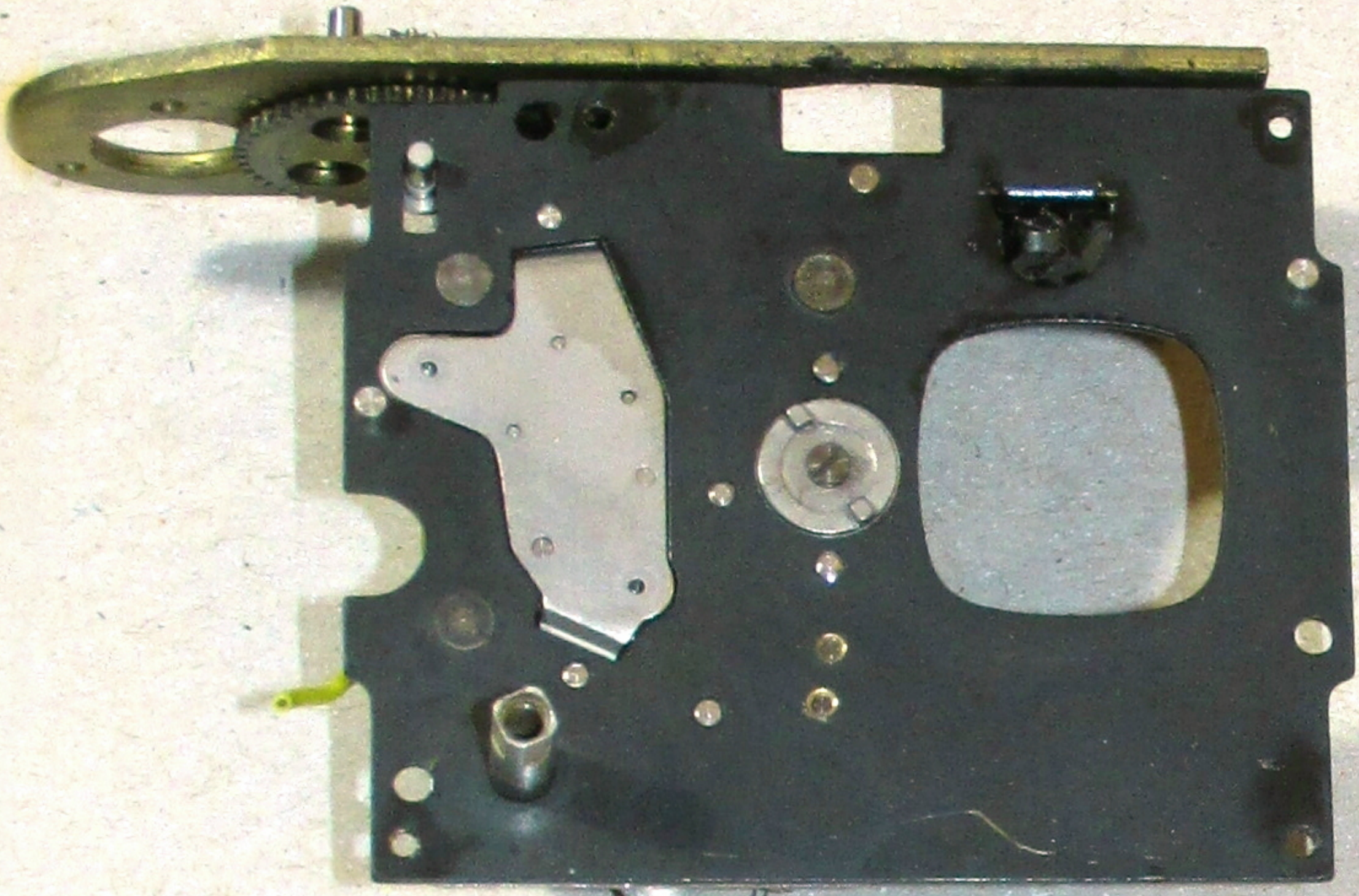
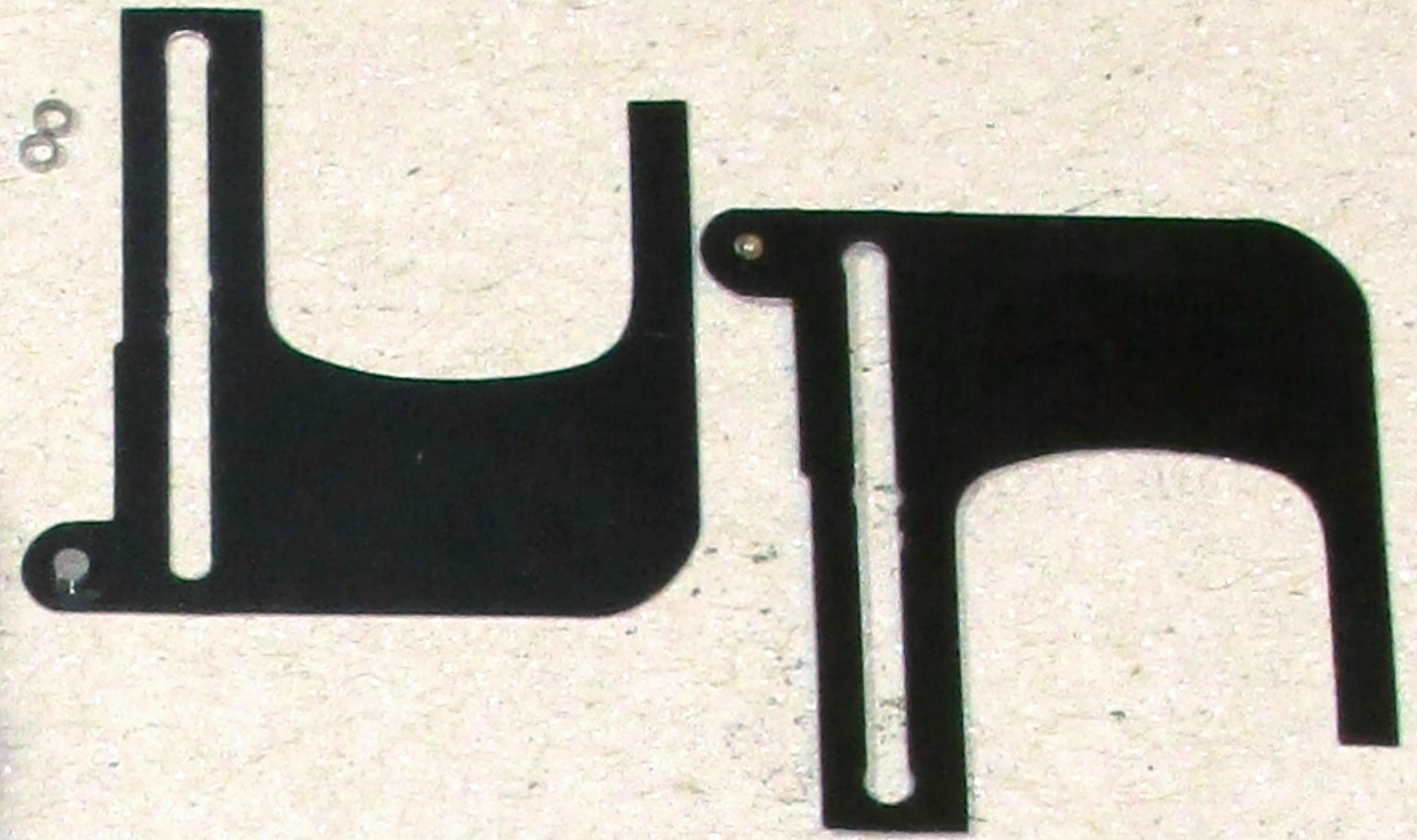
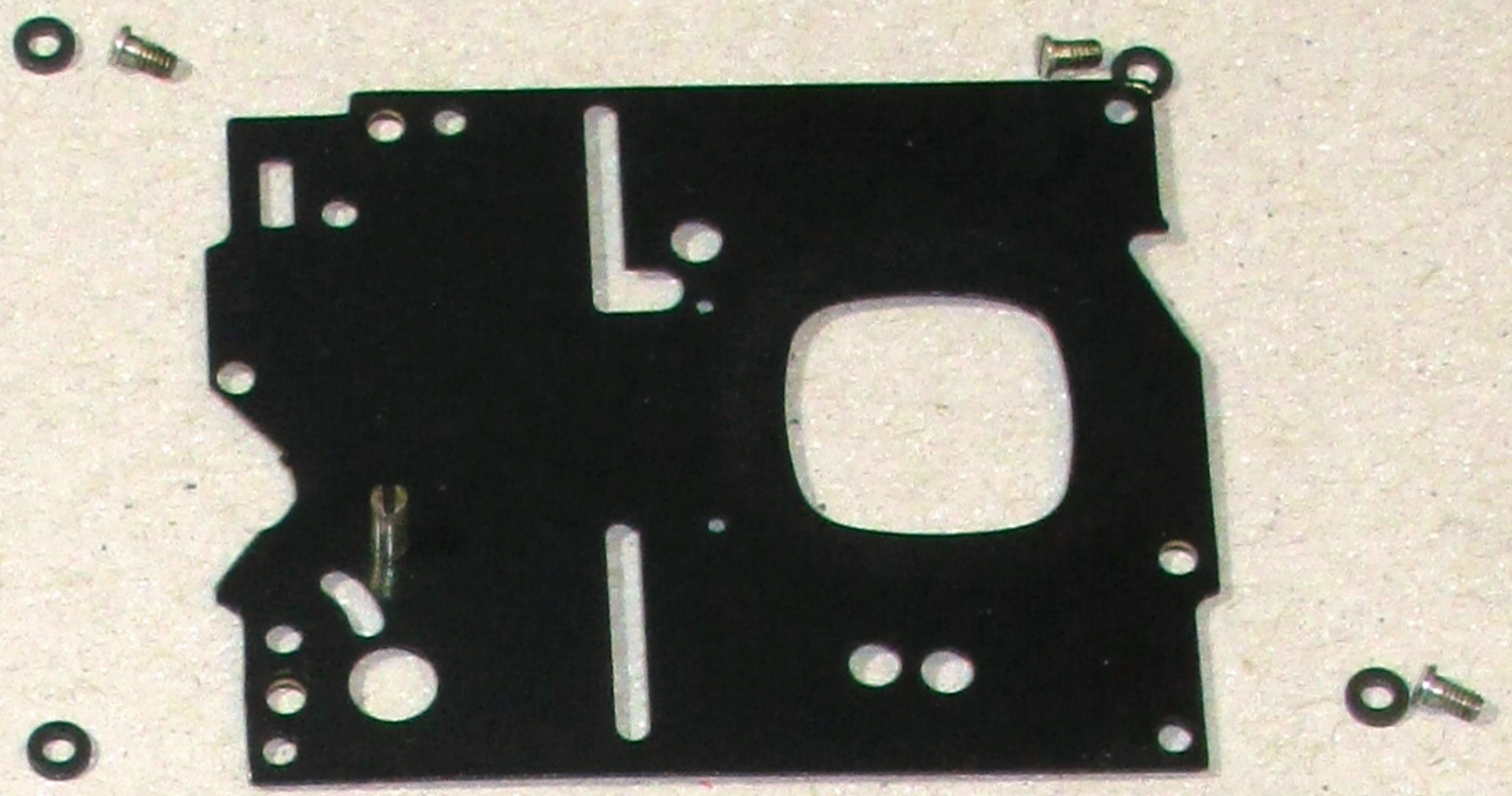
CAUTION; KEEP SYNC WIRES
CLEAR OF TIMING GEARS



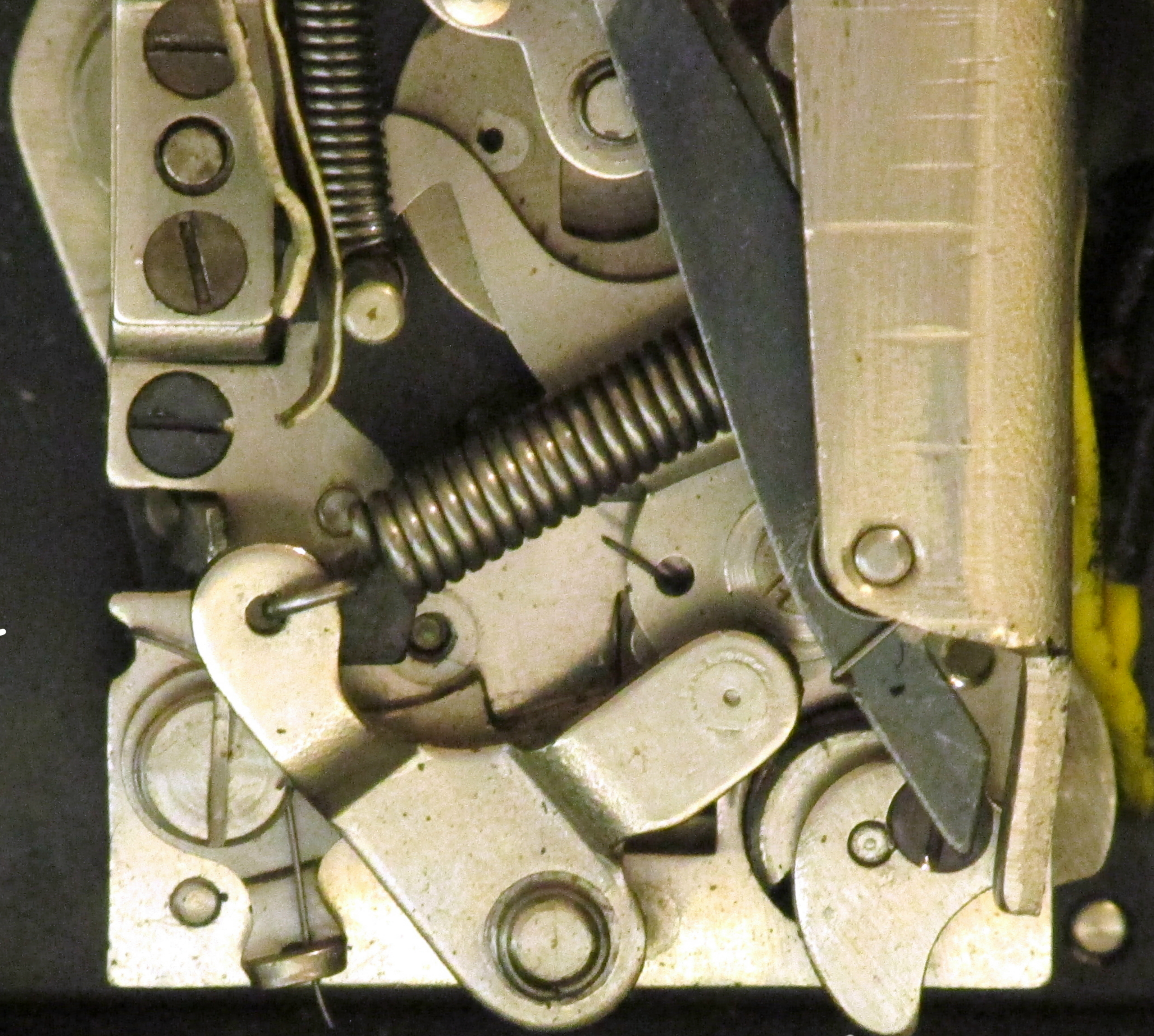
CORRECT POSITIONS OF
EYELID BLADES AND LINKAGE



**CORRECT ORIENTATION OF
SHUTTER DISC**



GUIDE TO
CORRECT ORIENTATION
OF SHUTTER SPEED DIAL

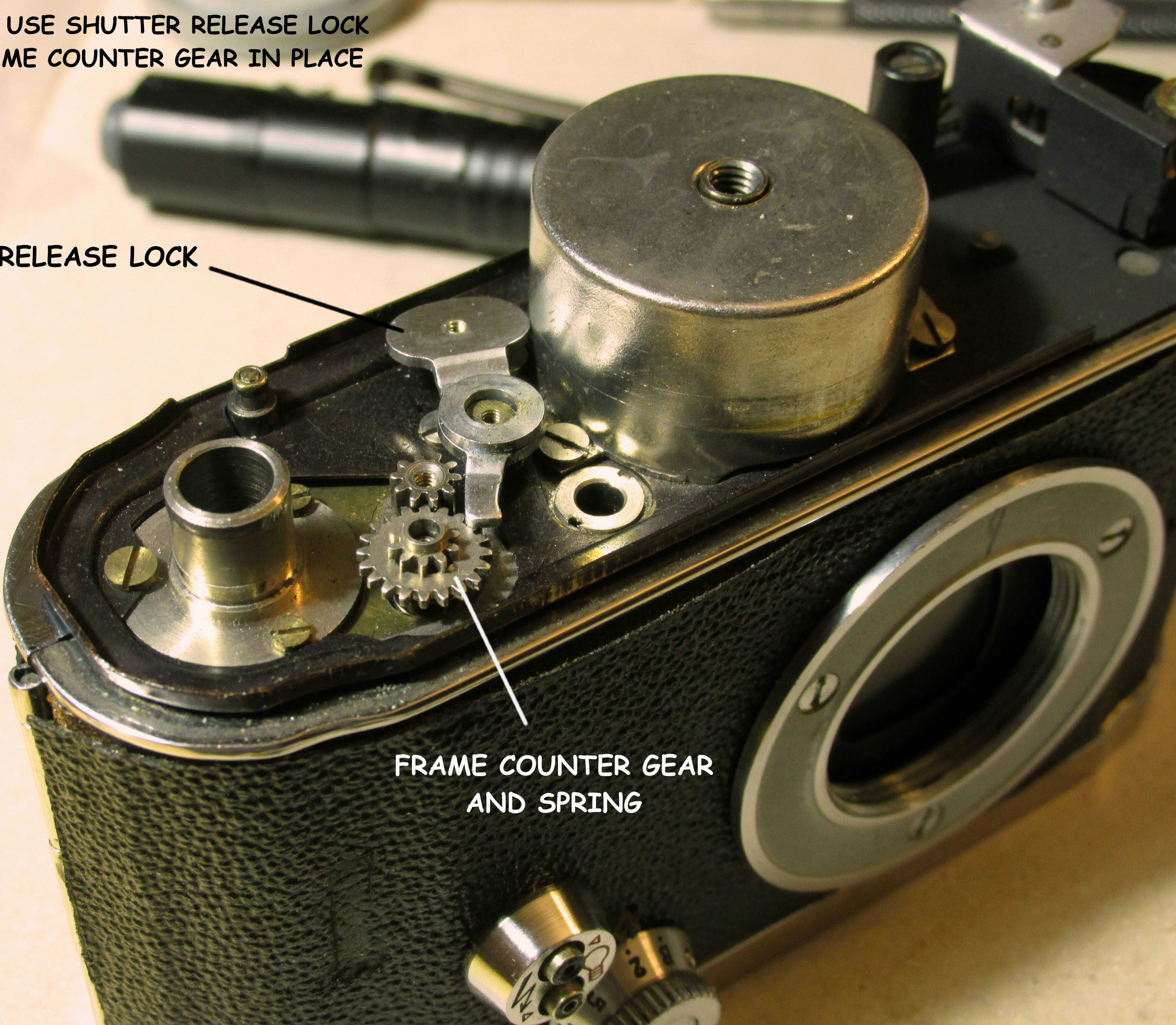


CAM POSITION AT
1/10 SECOND

REASSEMBLY: USE SHUTTER RELEASE LOCK
TO HOLD FRAME COUNTER GEAR IN PLACE

SHUTTER RELEASE LOCK

FRAME COUNTER GEAR
AND SPRING



REASSEMBLY: INVERT TOP COVER, SET LOOSE PARTS IN PLACE AS SHOWN. USE GREASE TO HOLD WAVE SPRING IN POSITION. GUIDE RESET WHEEL INTO PLACE WHILE REASSEMBLING UPSIDE DOWN.

FRAME COUNTER RESET WHEEL

FRAME COUNTER DIAL

SHUTTER RELEASE BUTTON

FRAME COUNTER RELEASE BUTTON

WAVE SPRING FOR SHUTTER RELEASE LOCK

