

# **minolta**

**HI-MATIC E**



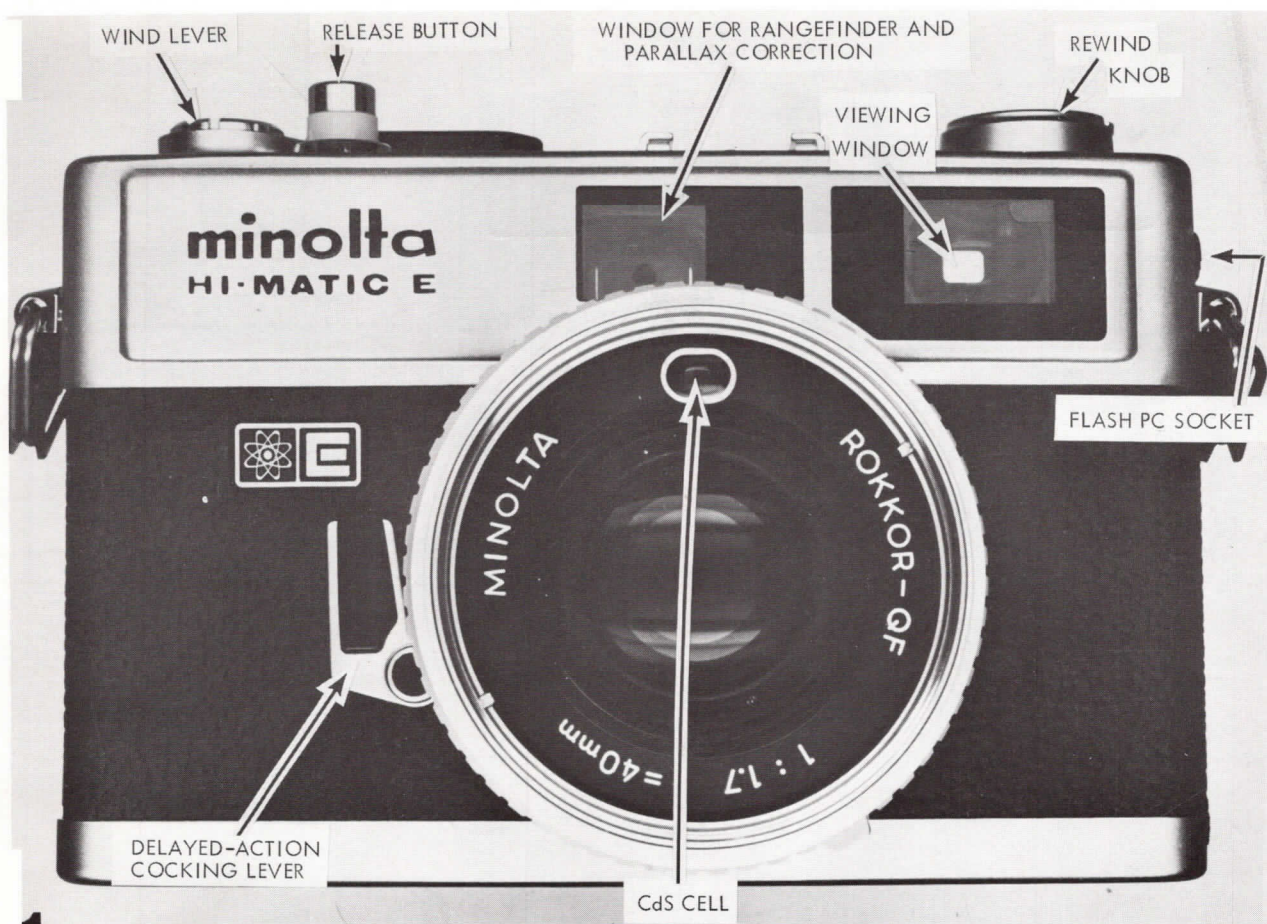
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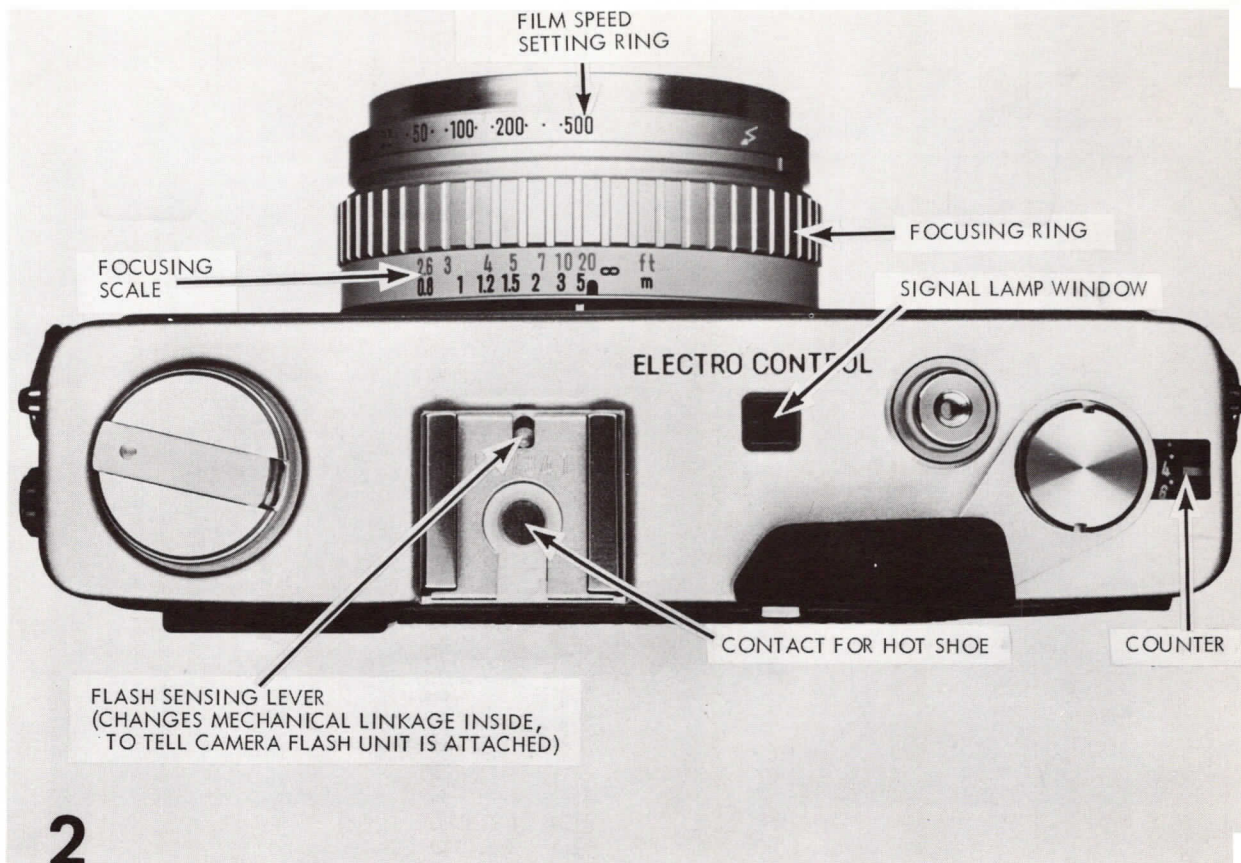
**National Camera**  
**Technical Training Division**  
**Englewood, Colorado, 80110 U.S.A.**

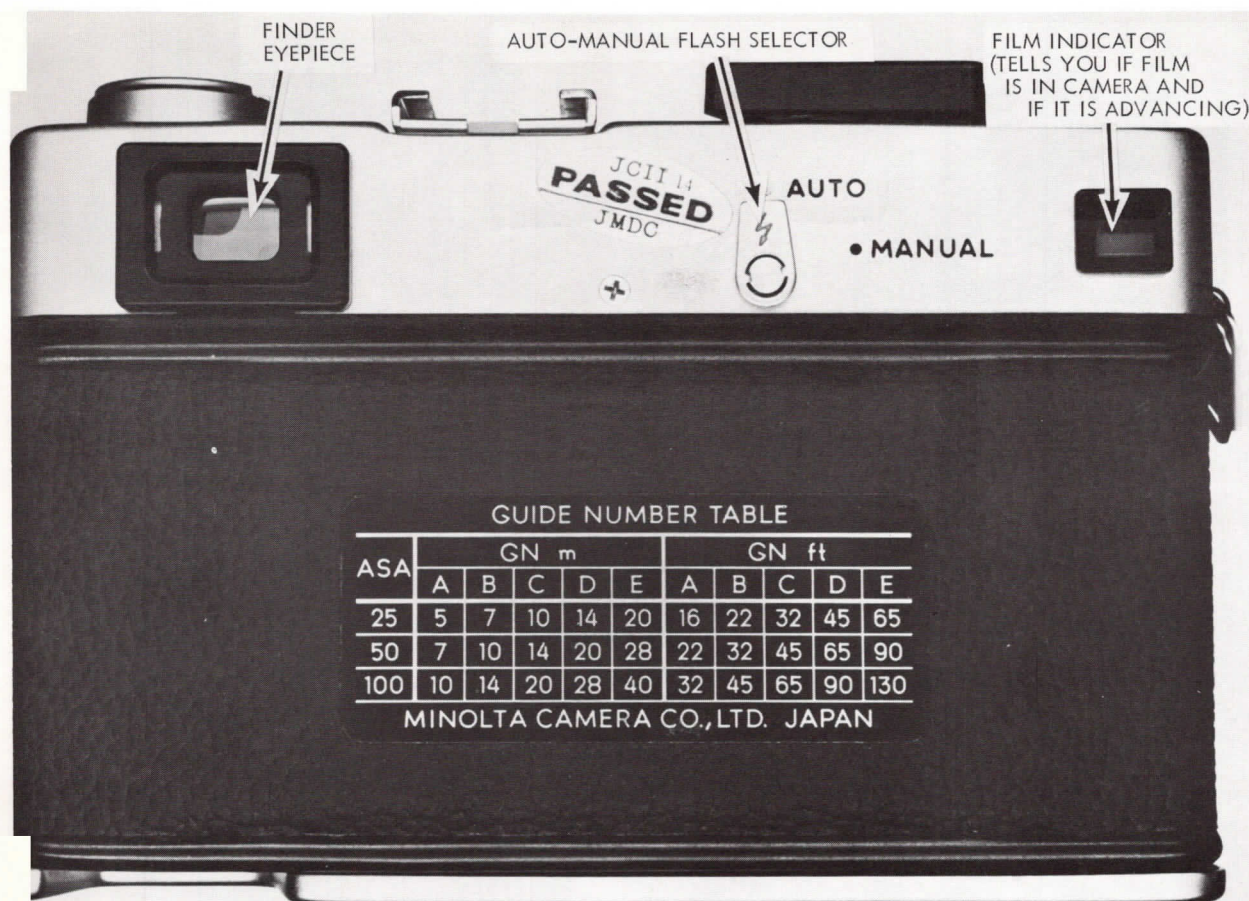


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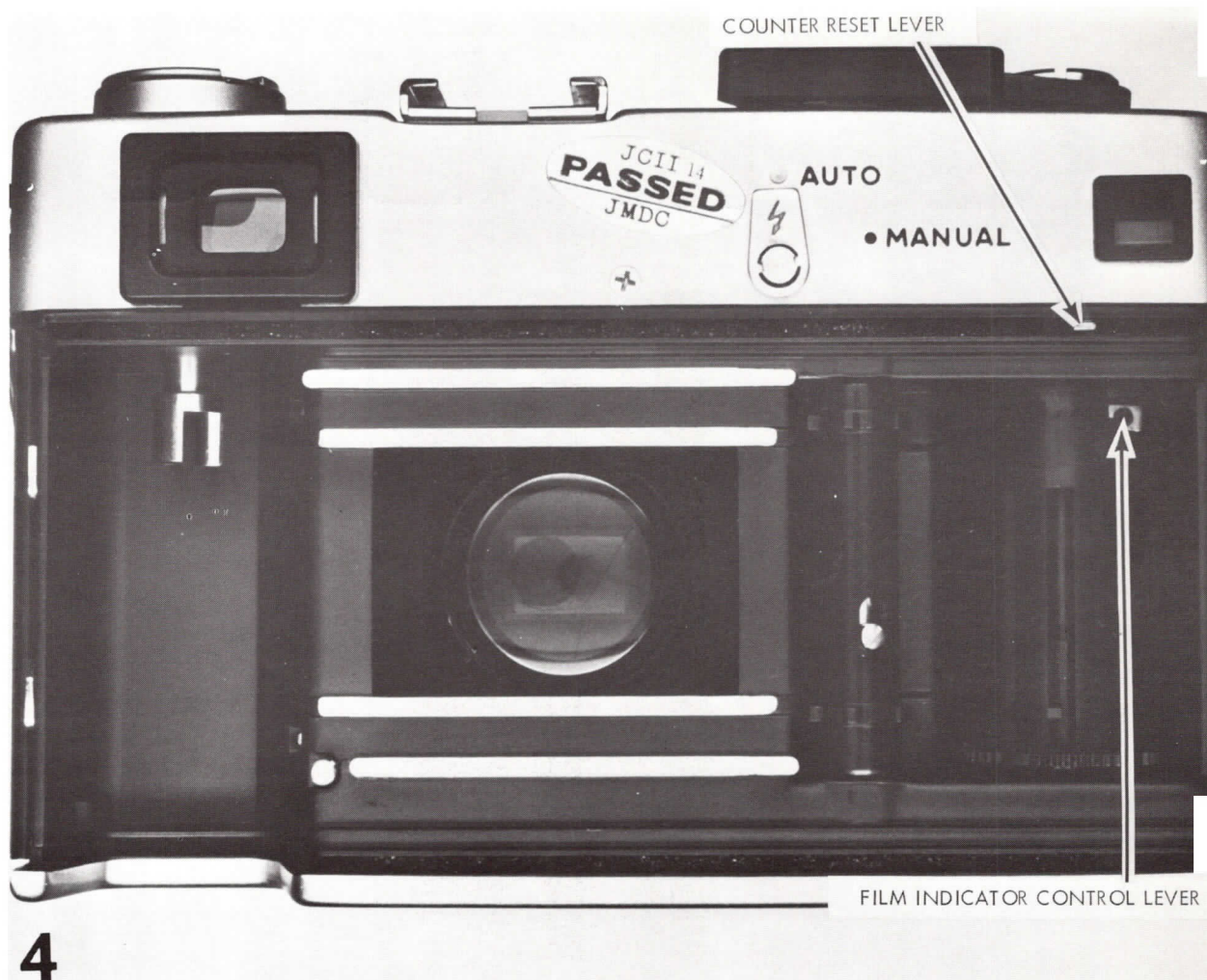




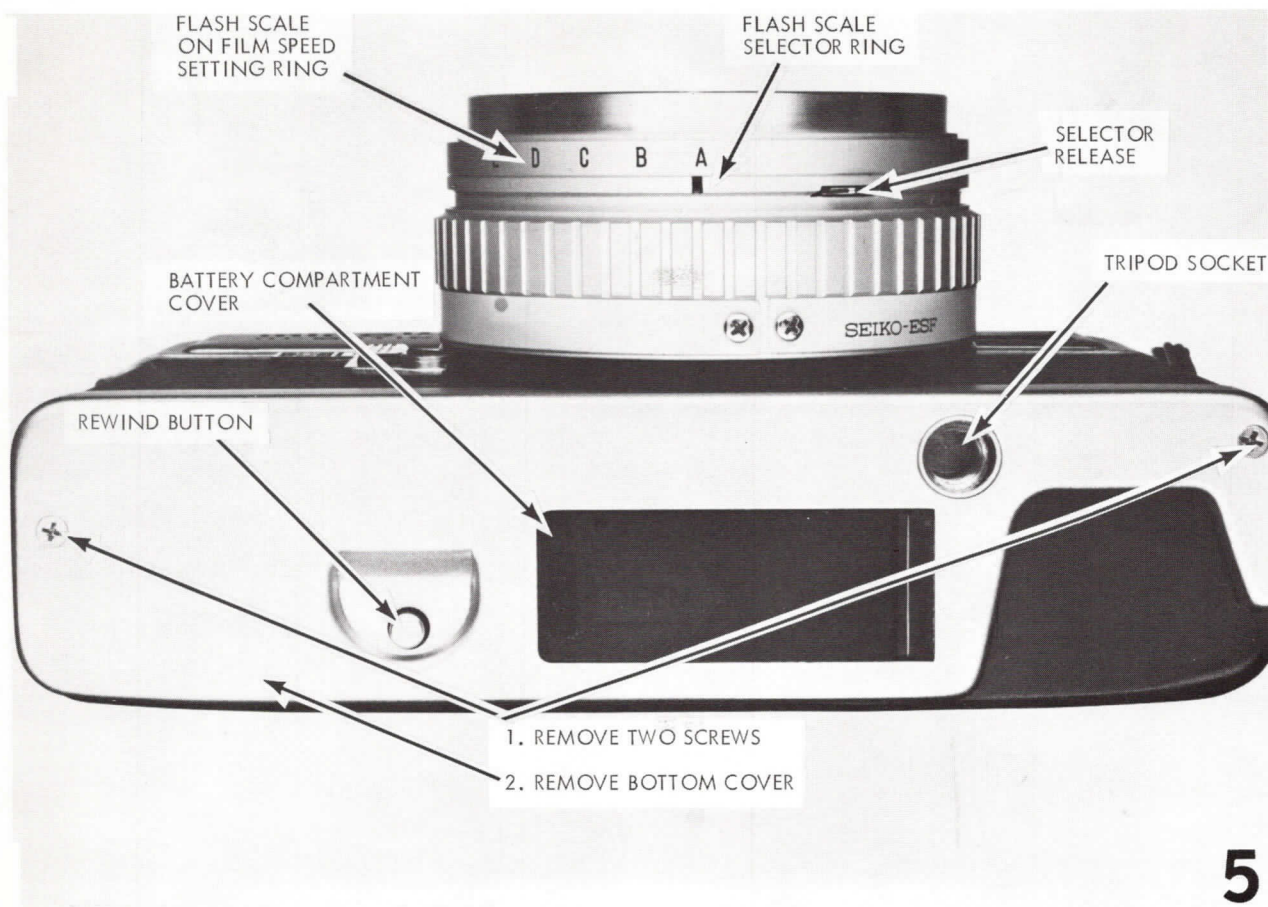
PULL UP REWIND KNOB TO OPEN CAMERA BACK

3

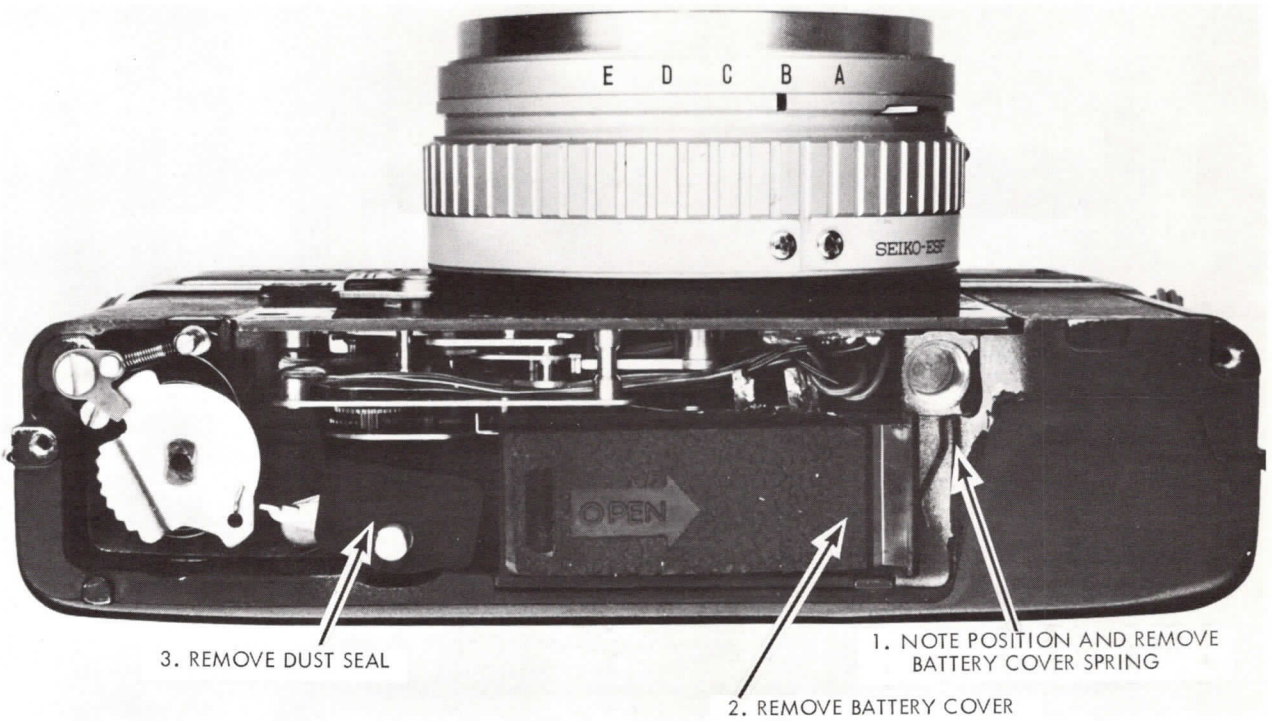




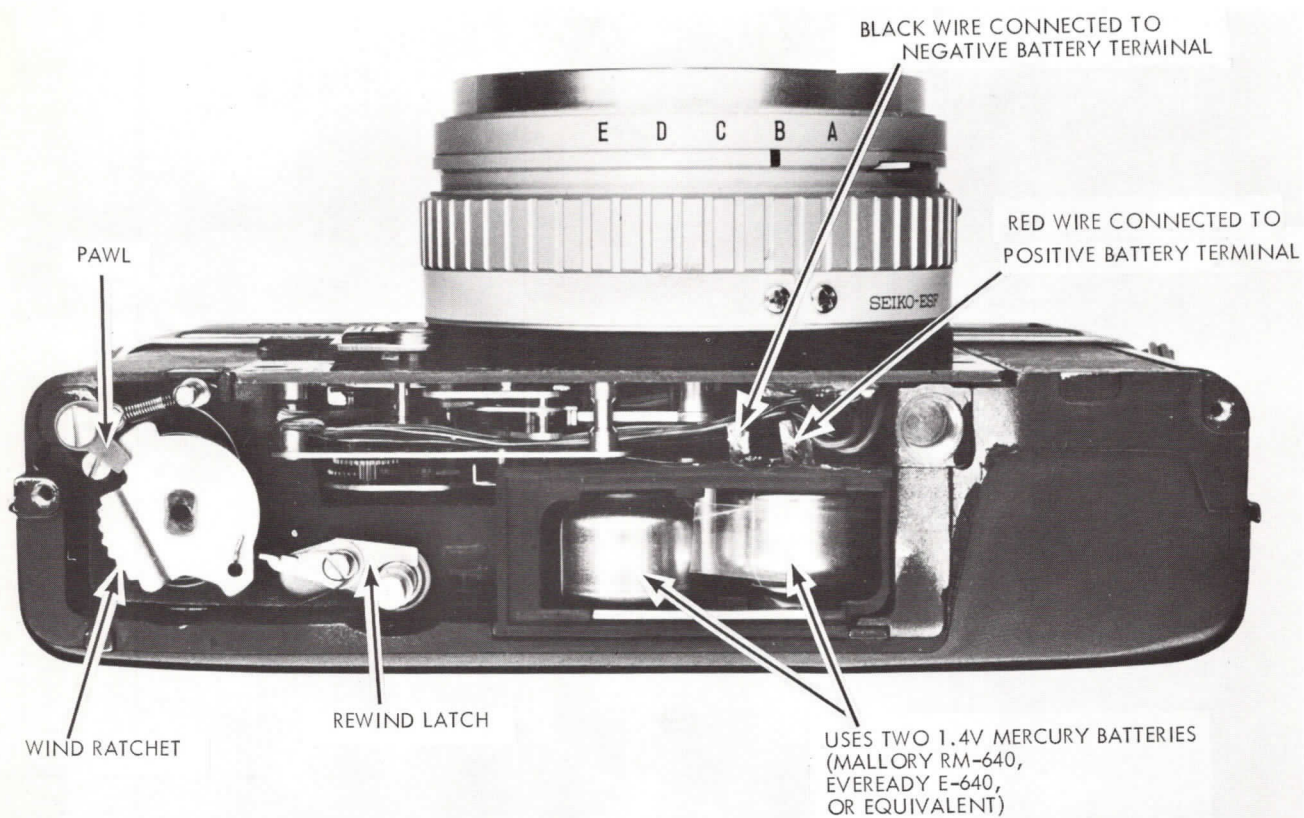
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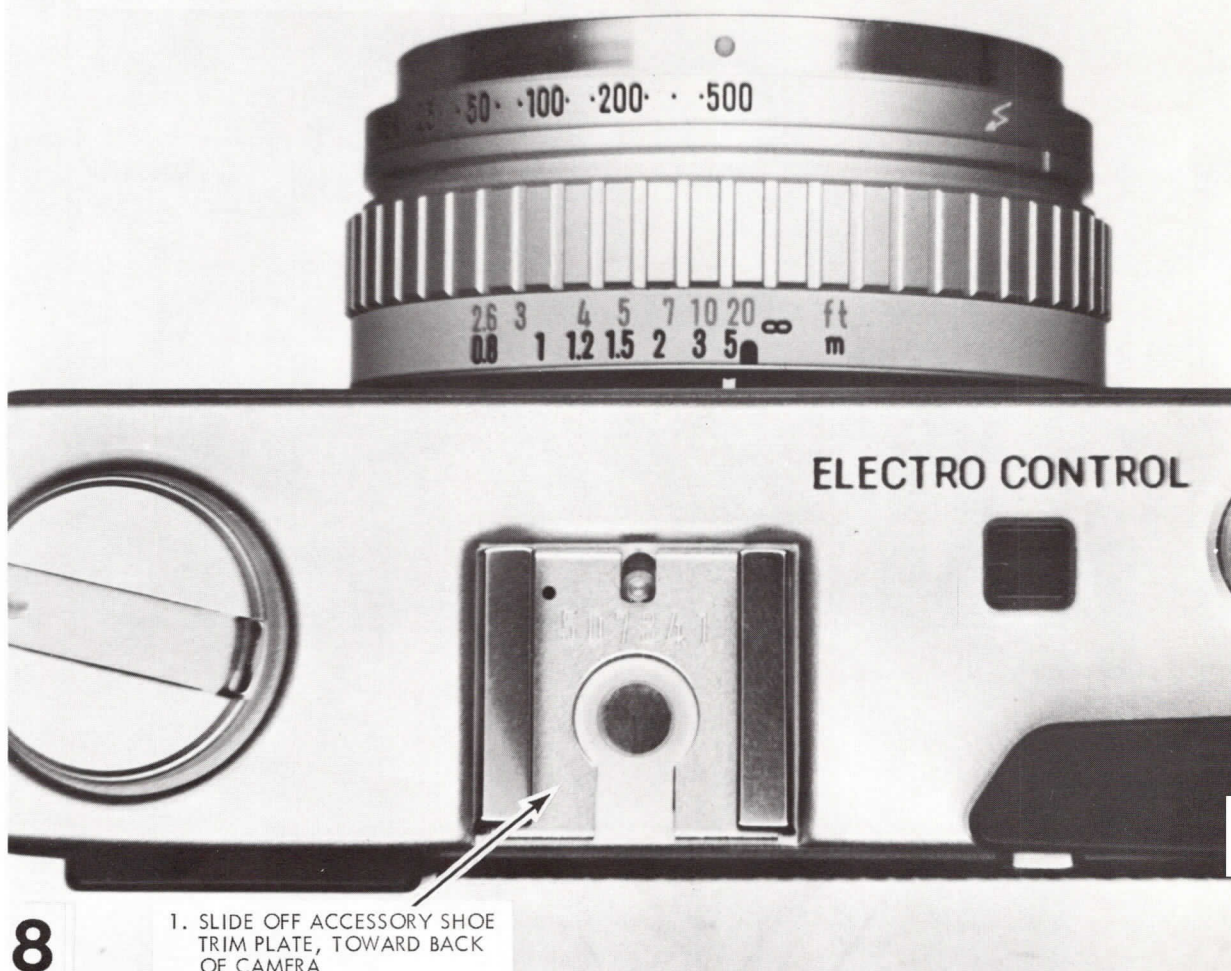


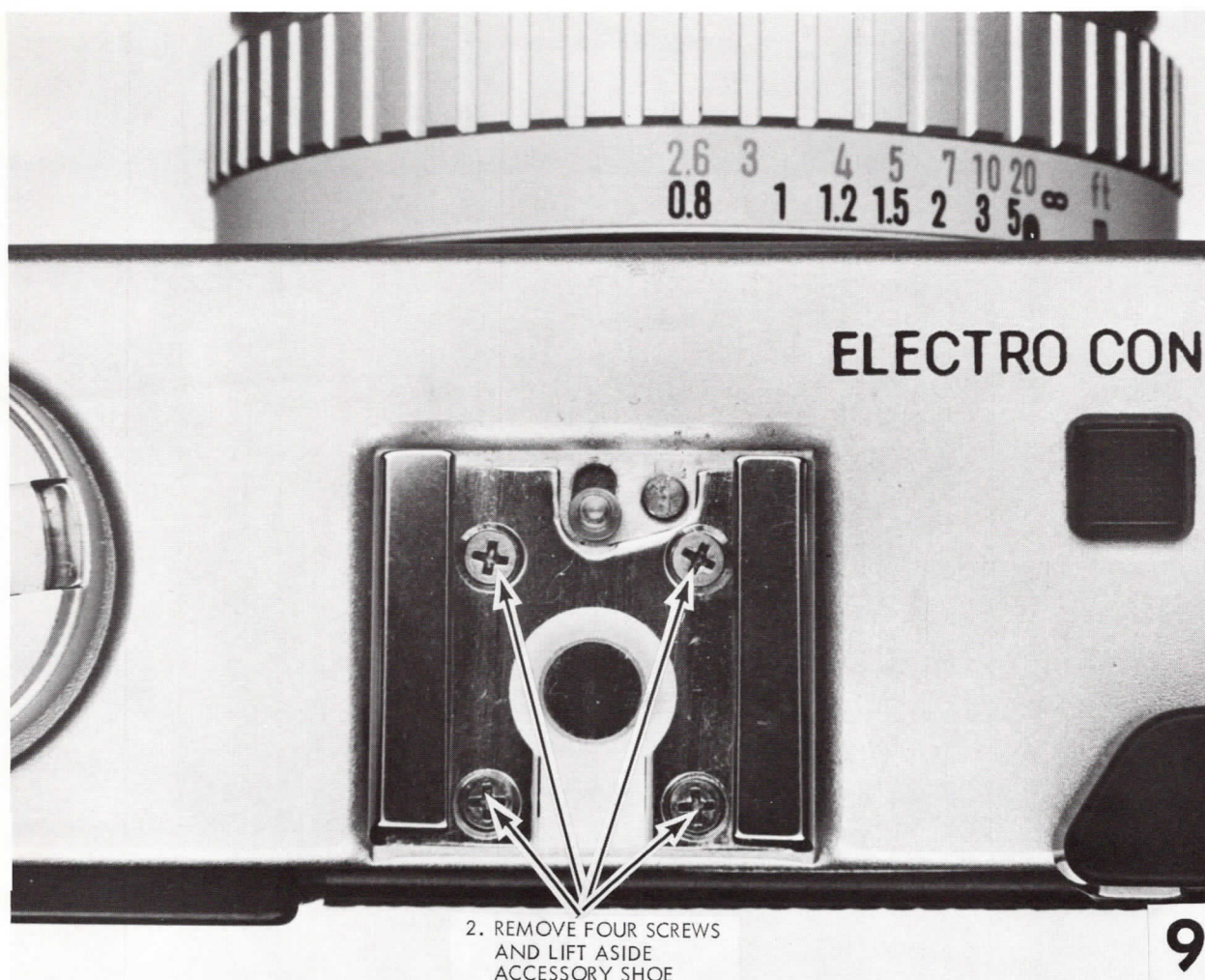
6





TO REACH RANGEFINDER ADJUSTMENT:

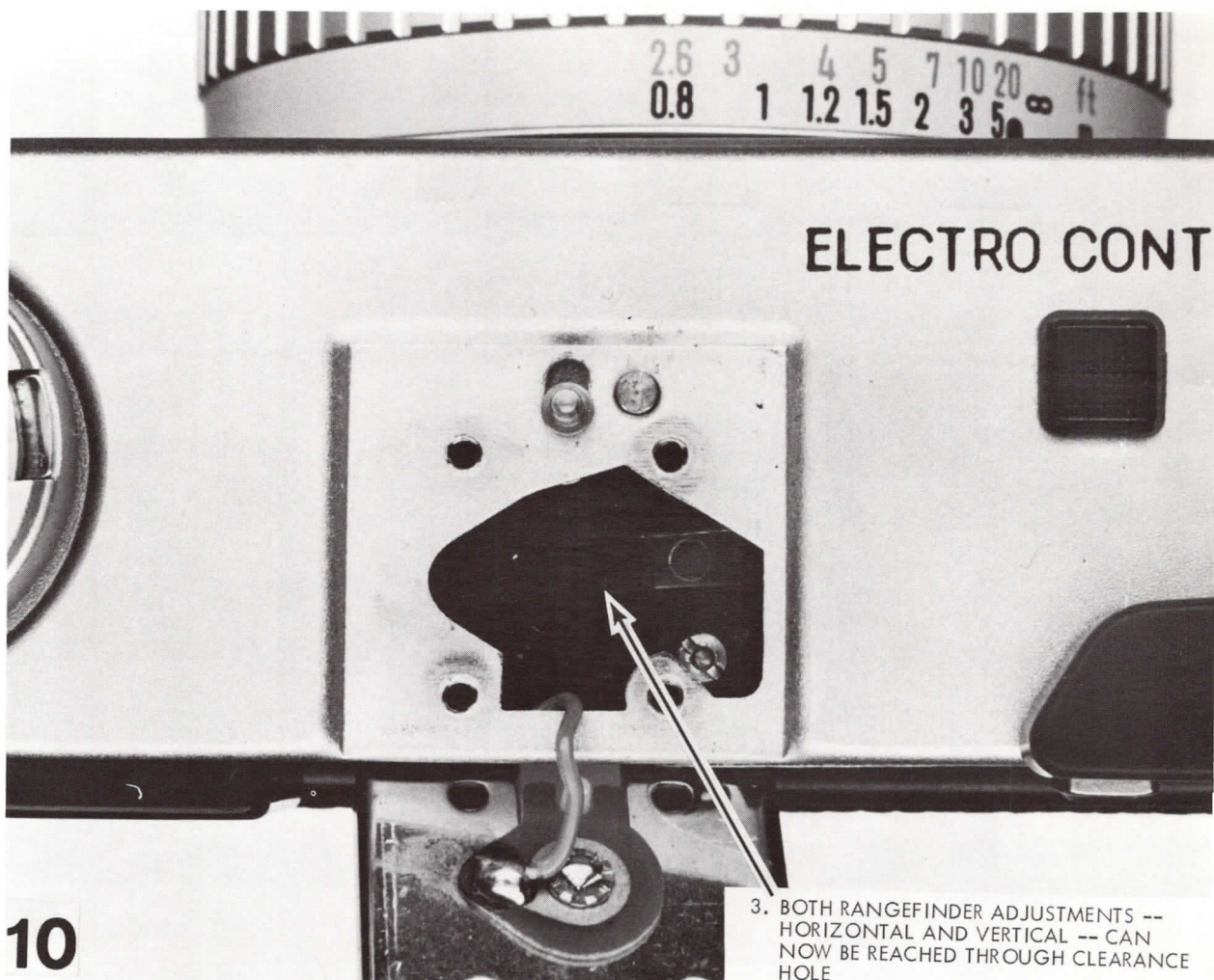


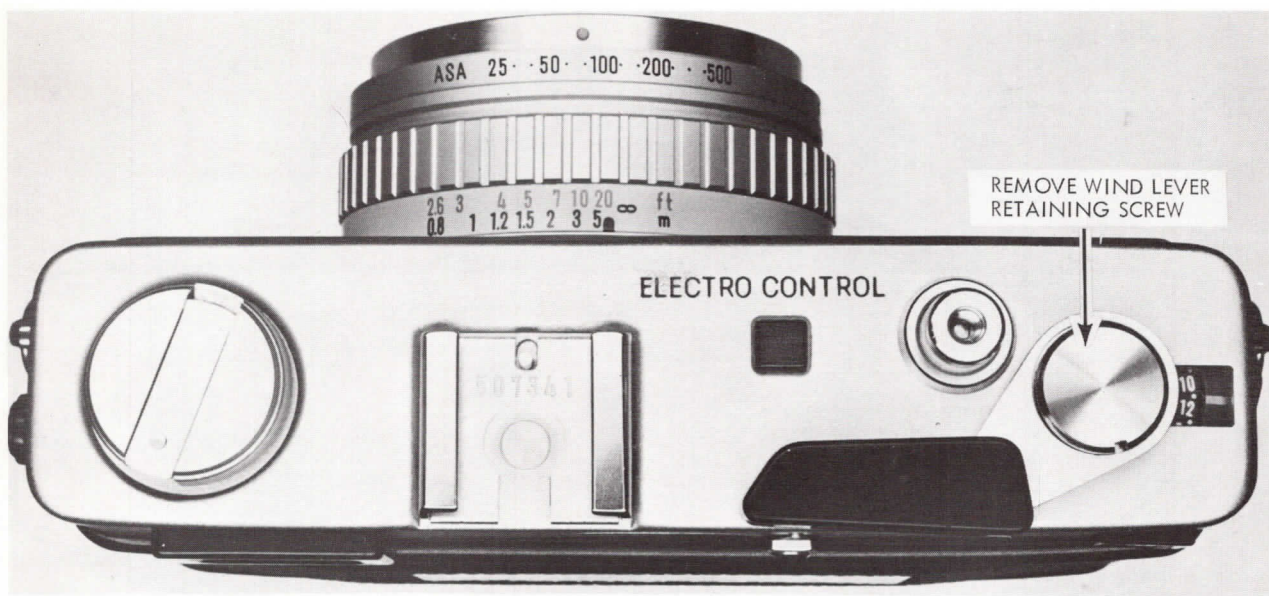


2. REMOVE FOUR SCREWS  
AND LIFT ASIDE  
ACCESSORY SHOE

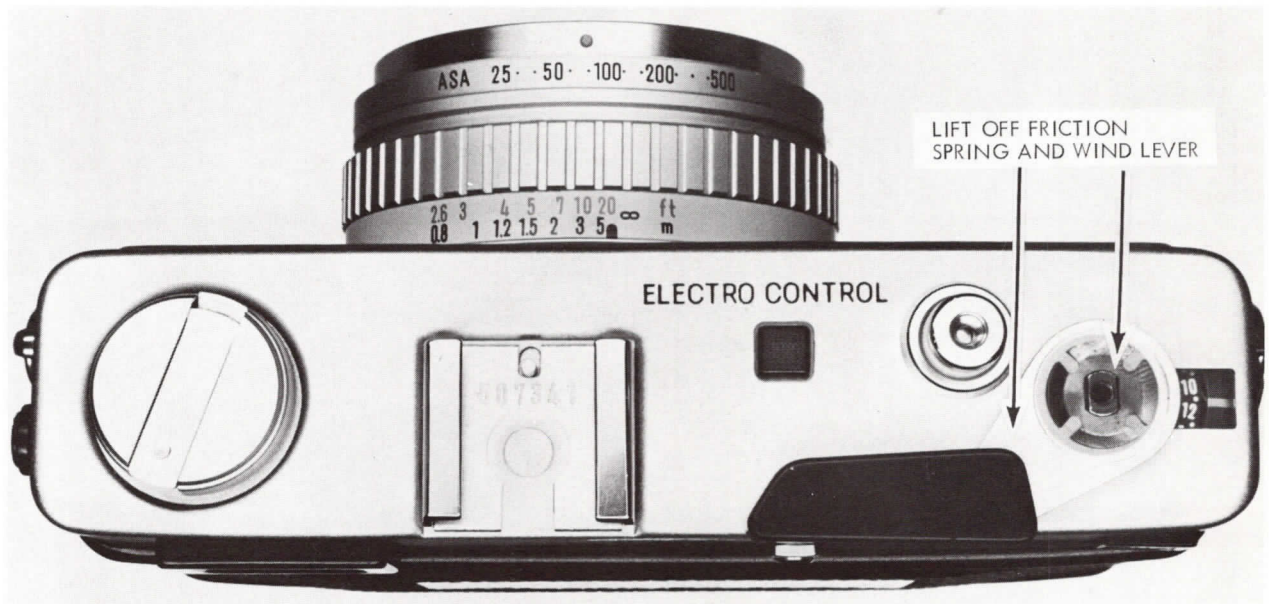
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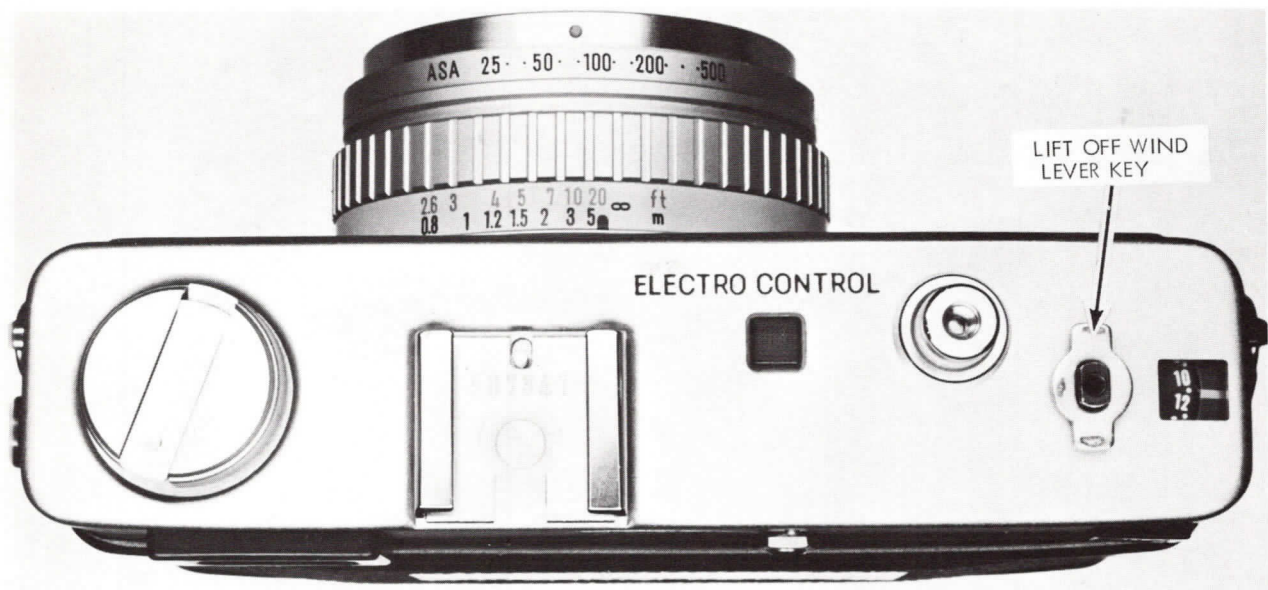




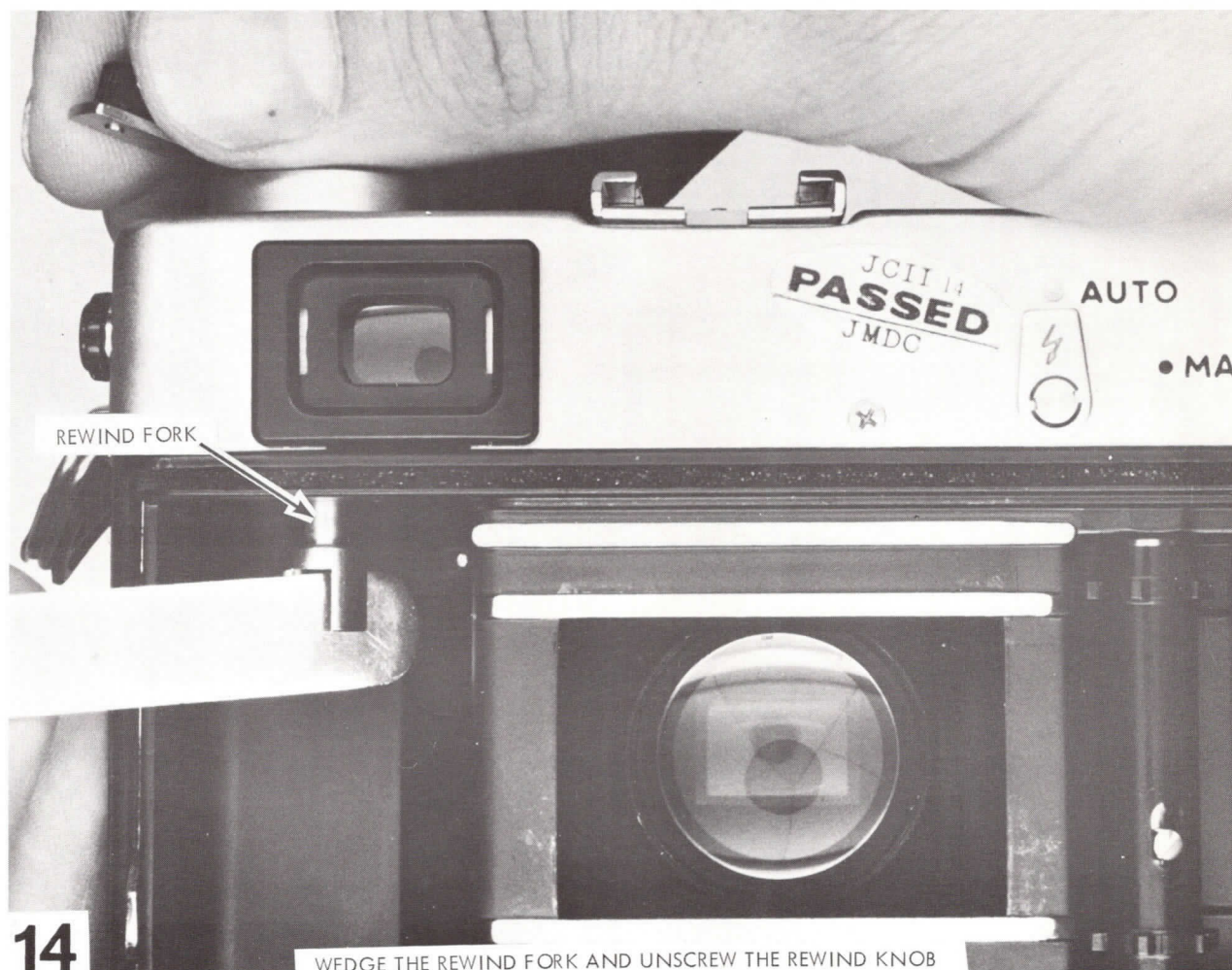


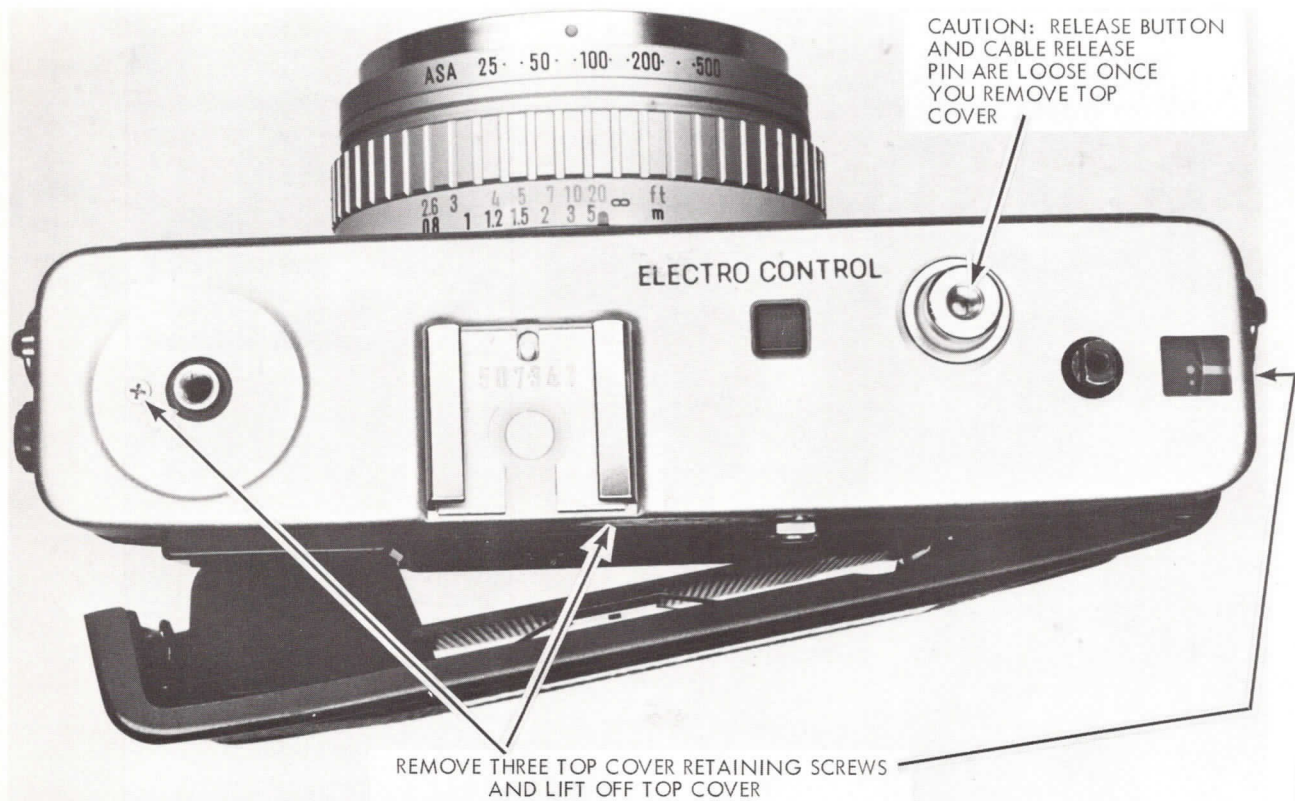


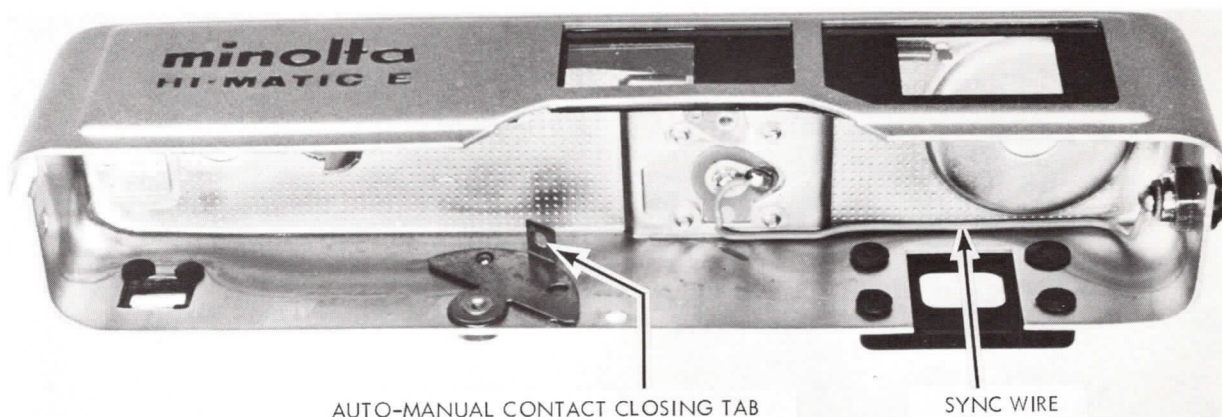
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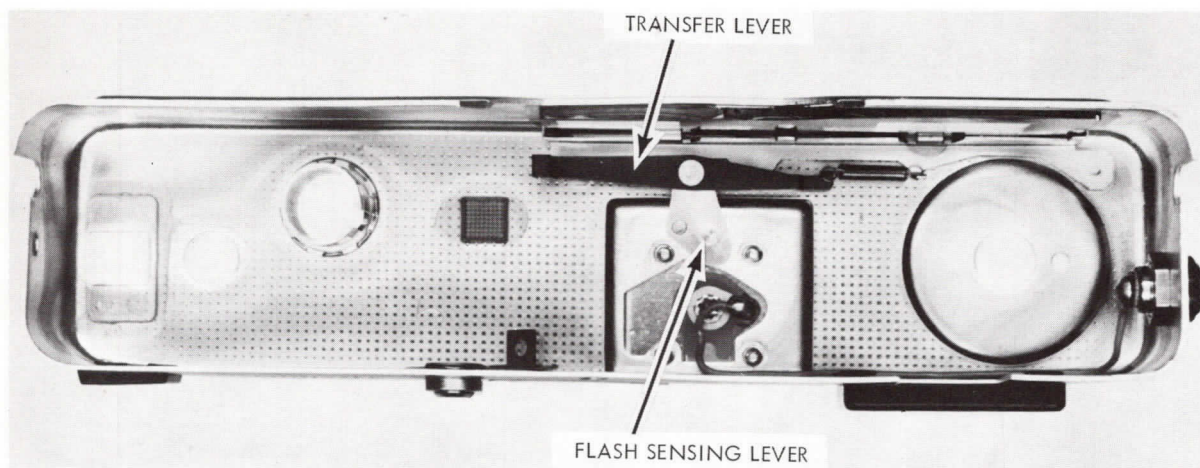


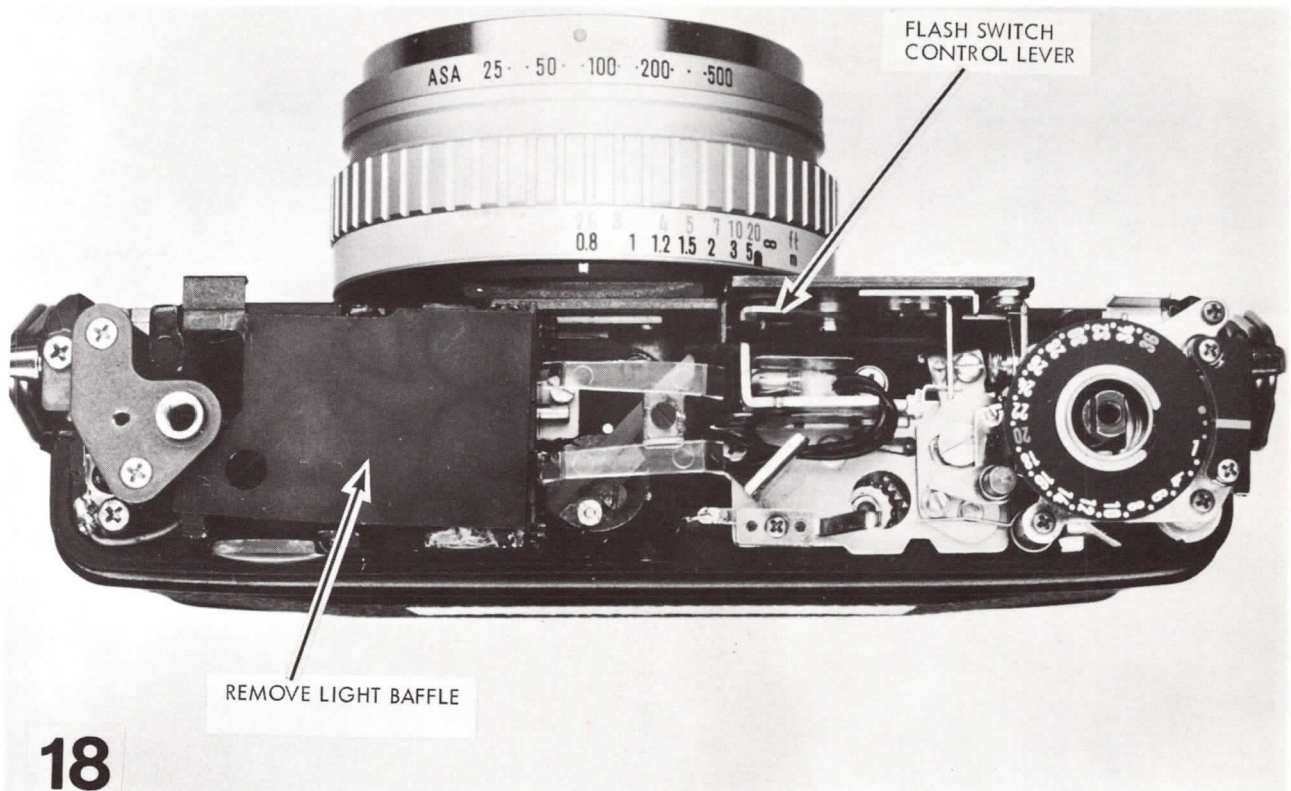


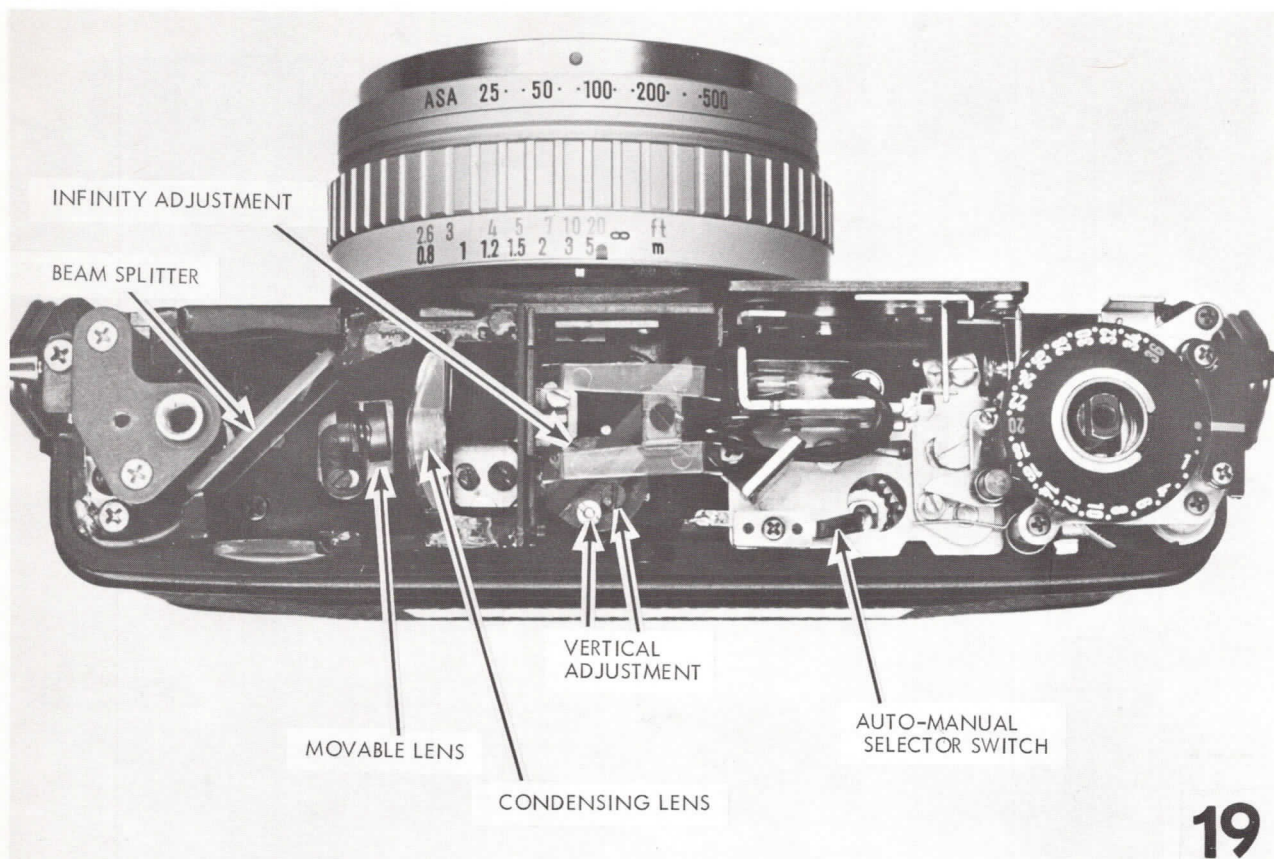


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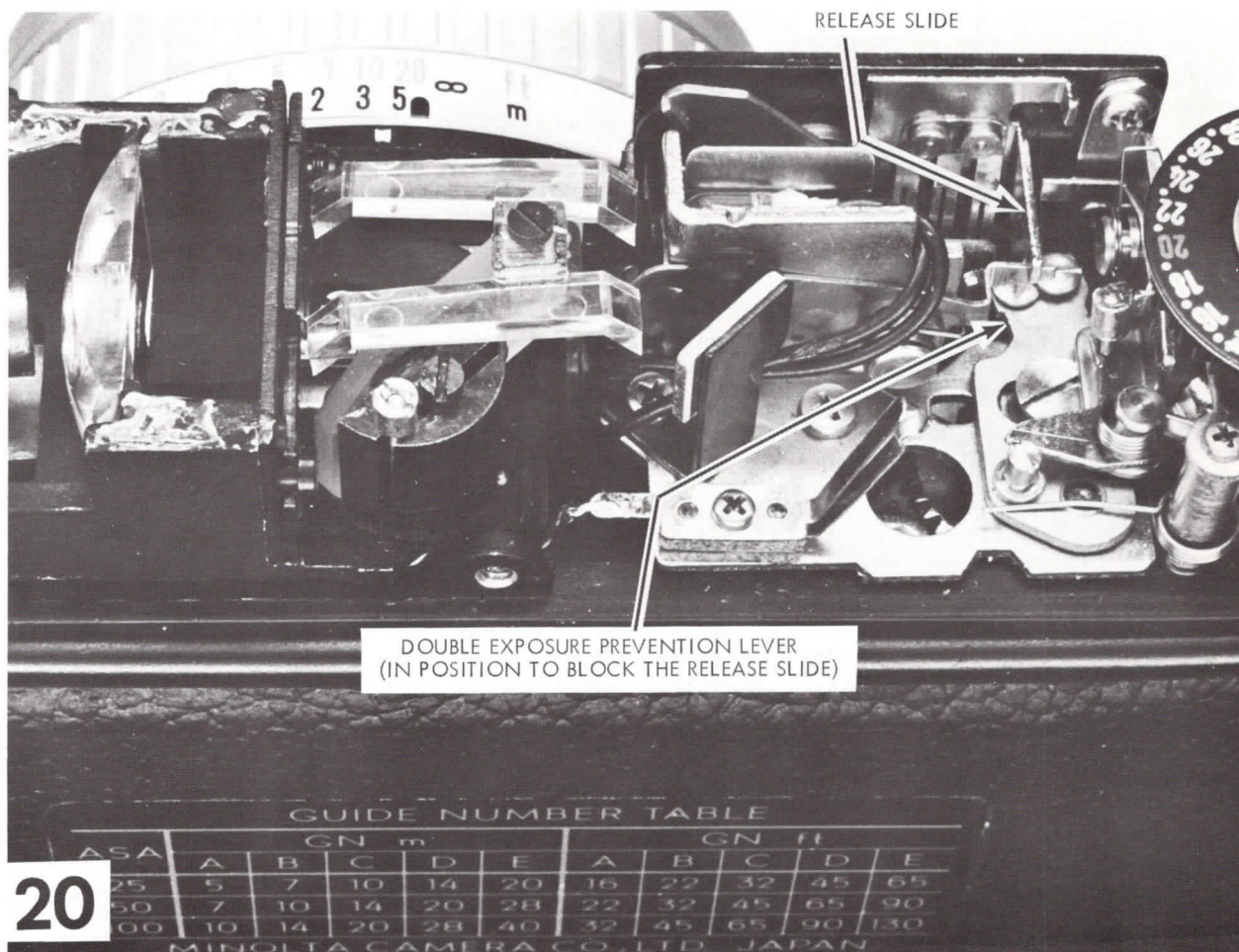


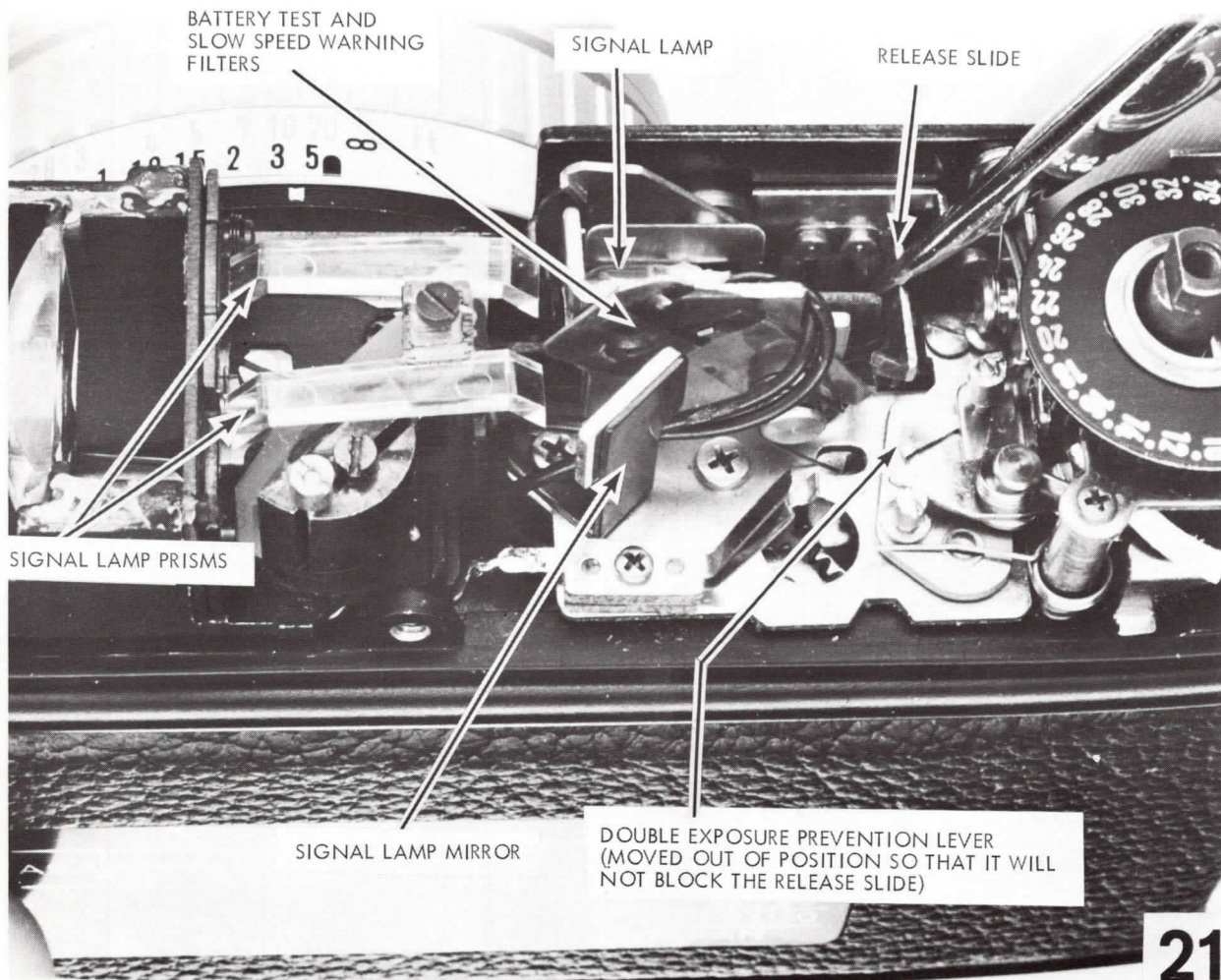




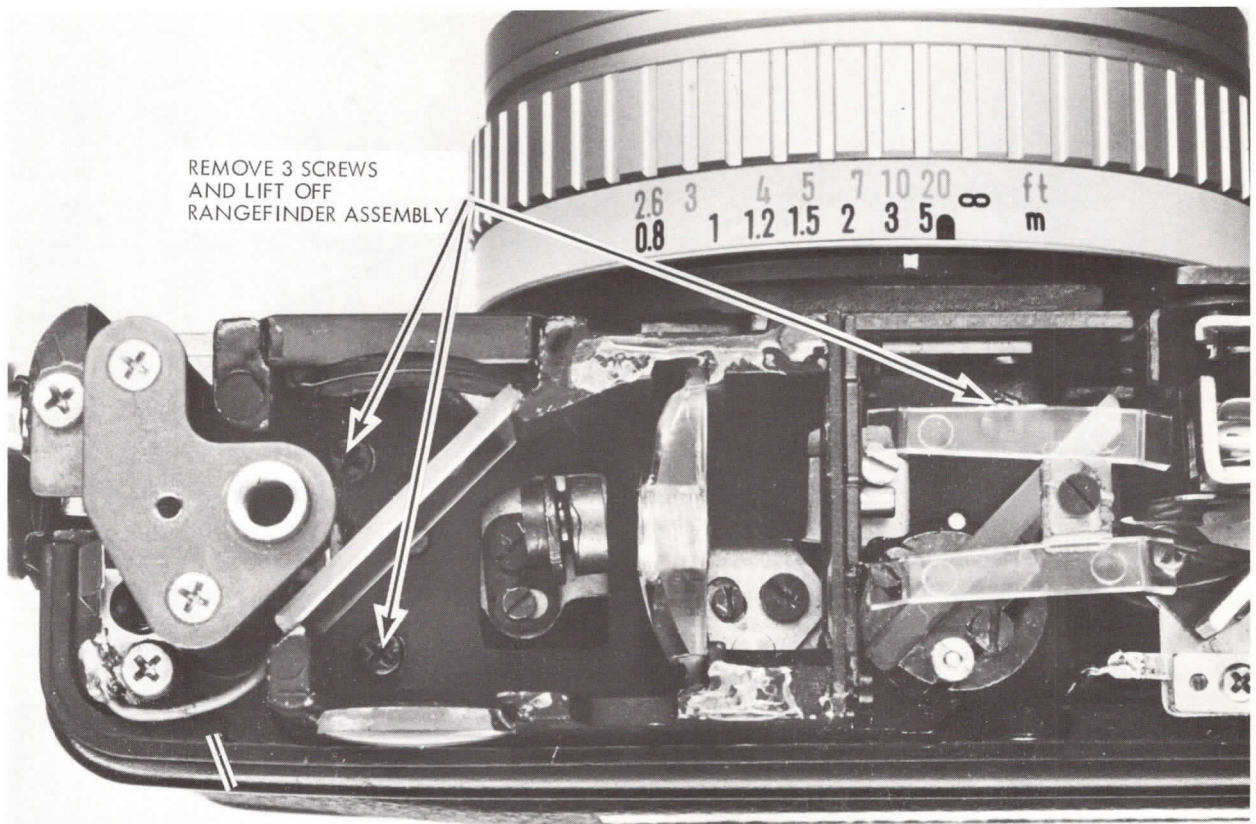






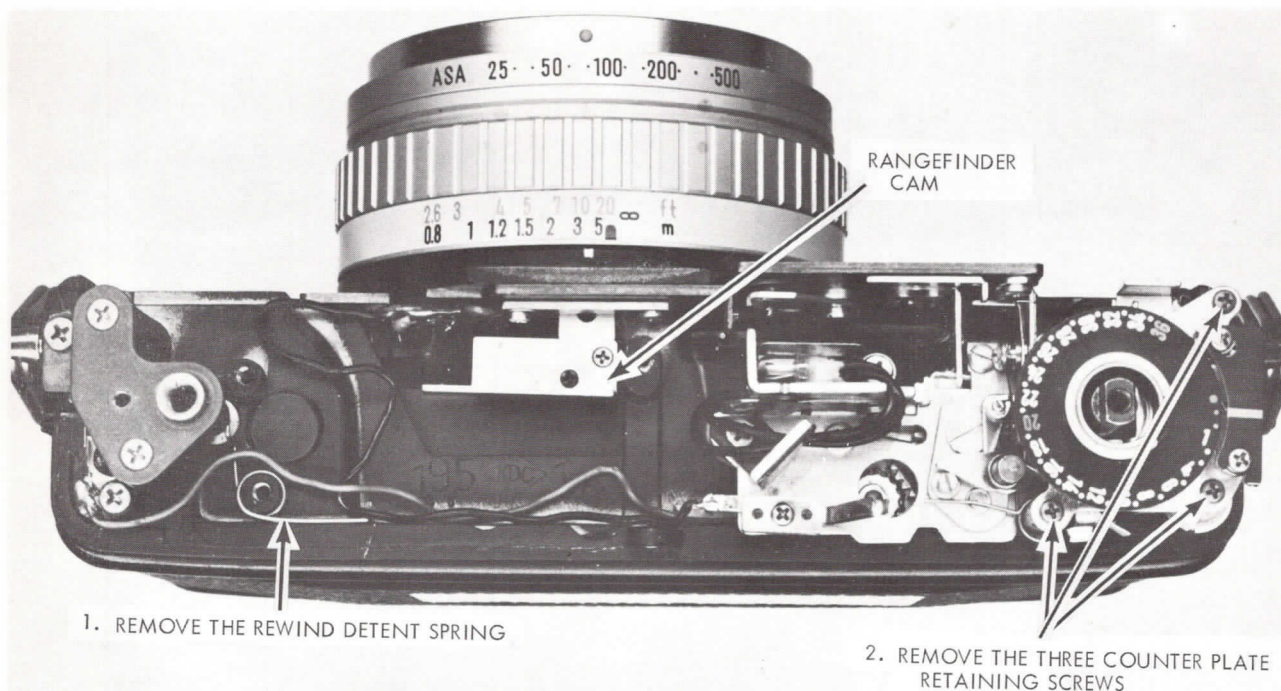






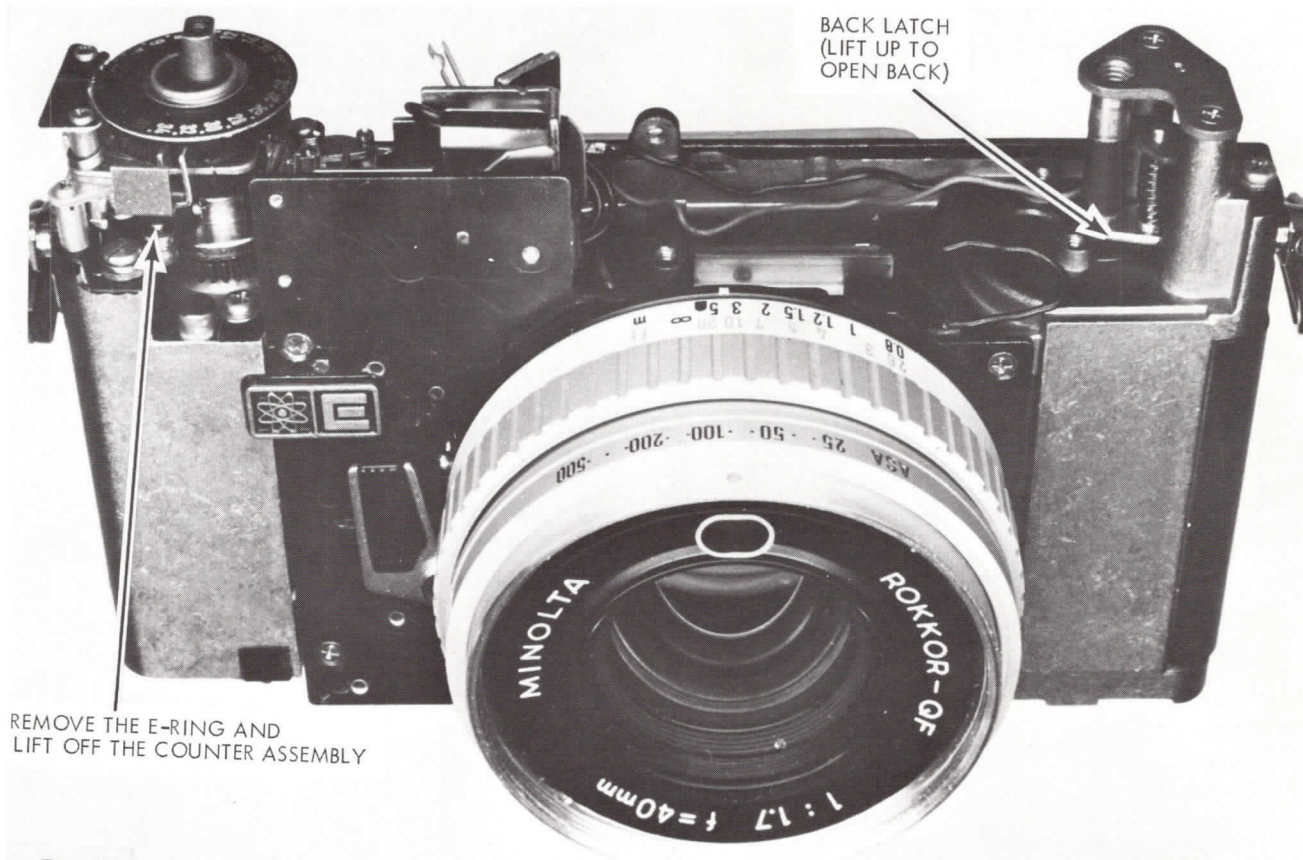
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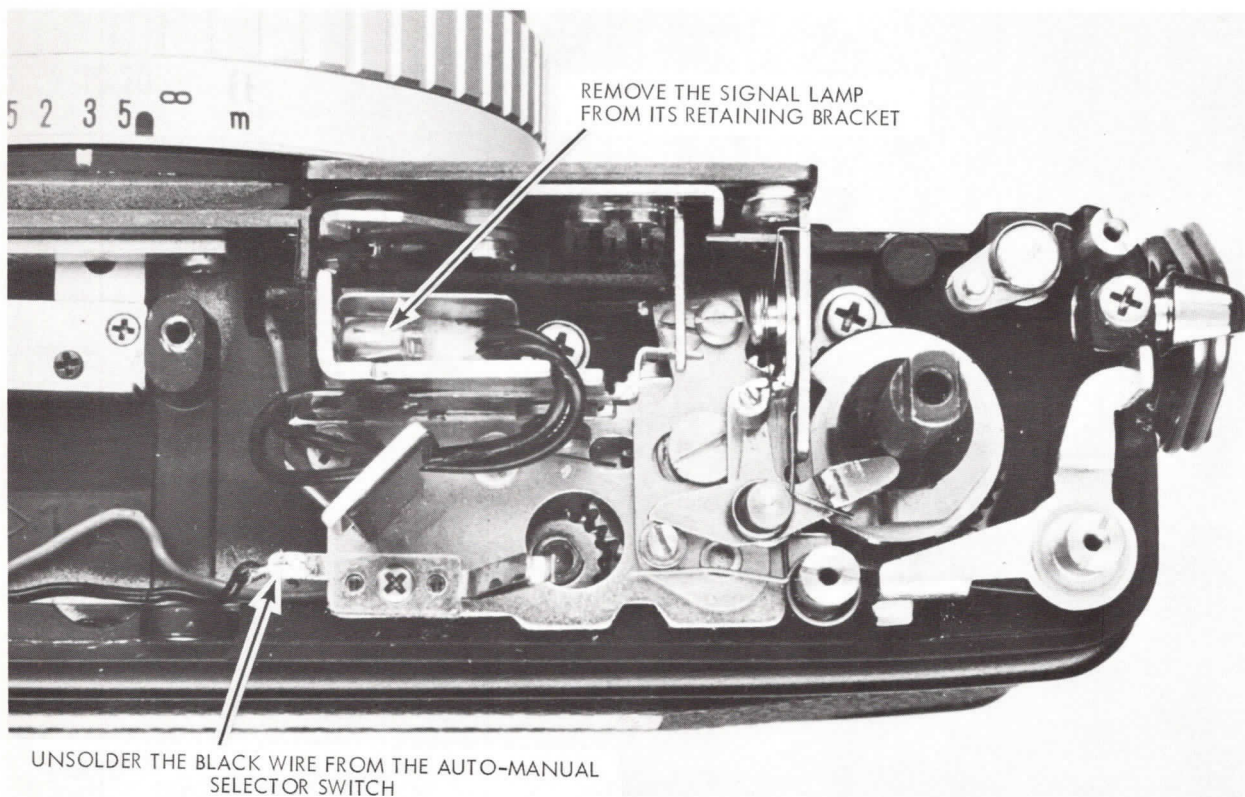
1. REMOVE THE REWIND DETENT SPRING

2. REMOVE THE THREE COUNTER PLATE  
RETAINING SCREWS

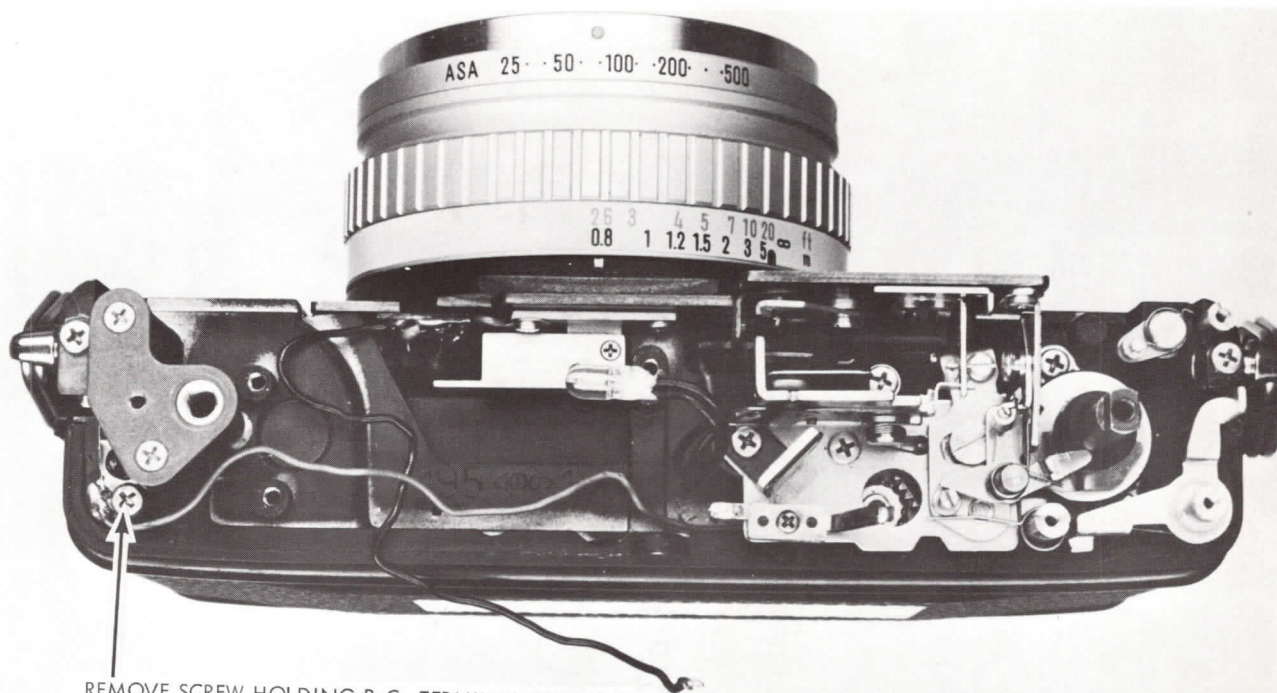


REMOVE THE E-RING AND  
LIFT OFF THE COUNTER ASSEMBLY

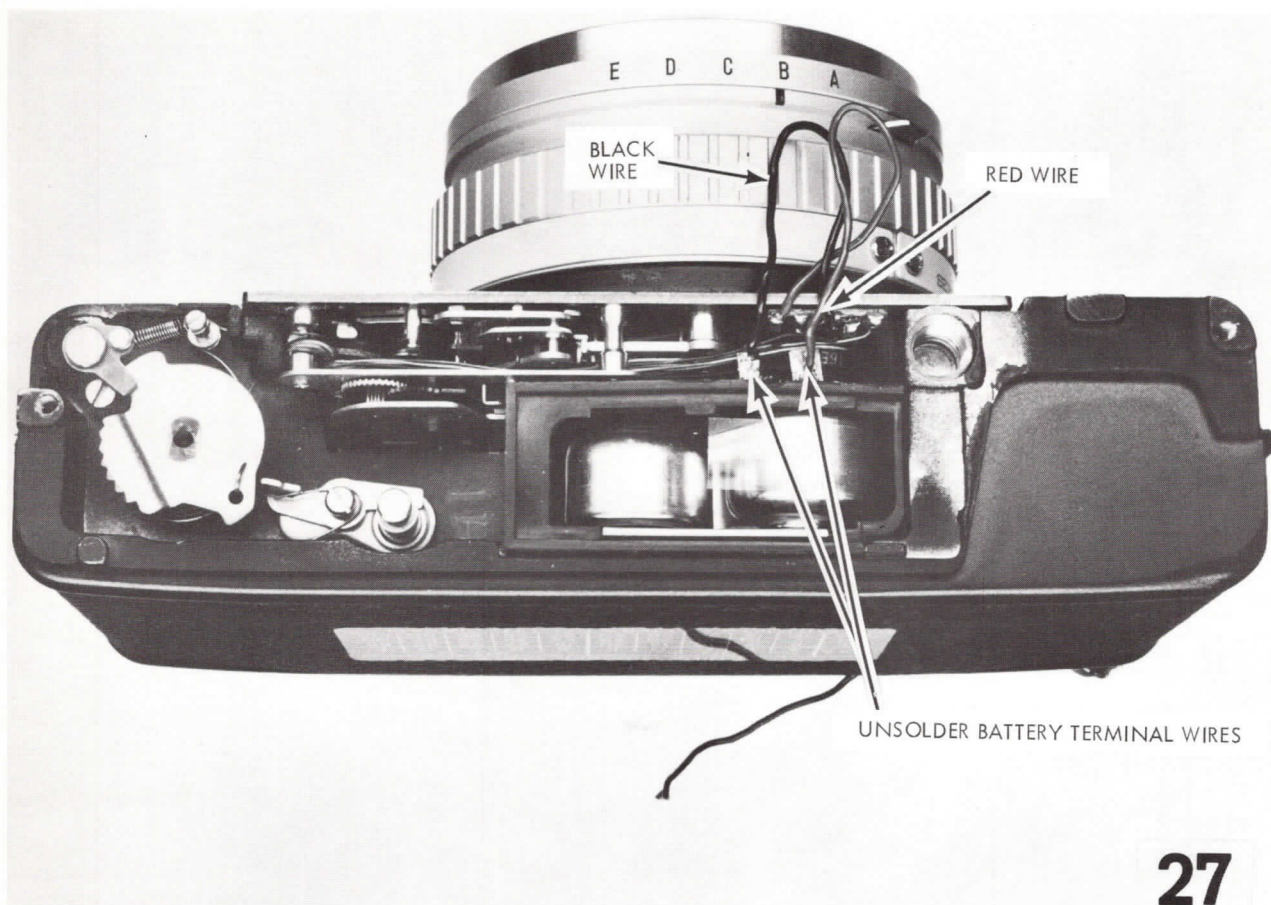
BACK LATCH  
(LIFT UP TO  
OPEN BACK)

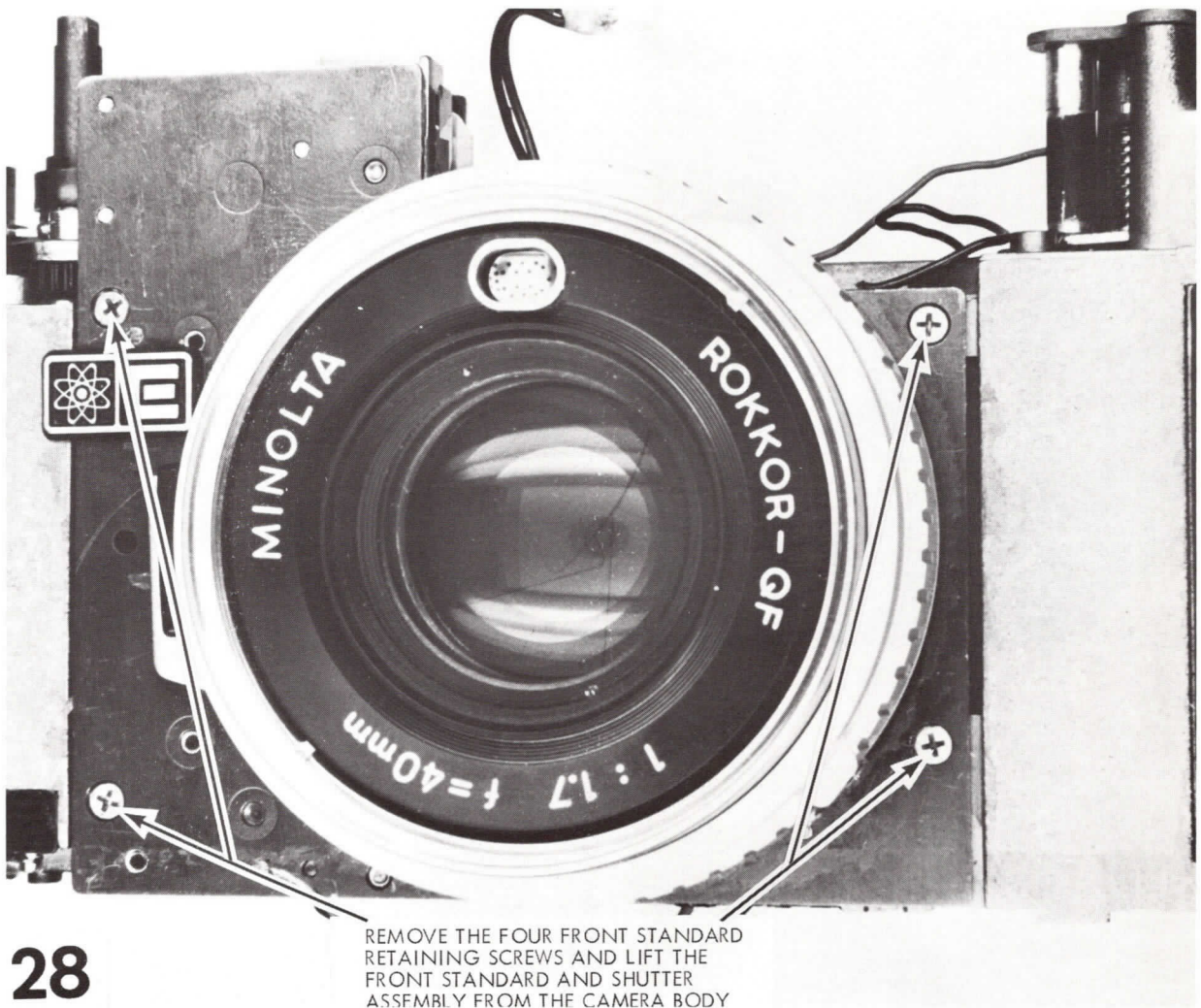






REMOVE SCREW HOLDING P.C. TERMINAL CONTACT







BE CAREFUL YOU DON'T  
BEND SHIELD FOR FLASH  
INDICATOR

RELEASE SLIDE

RANGEFINDER CAM

ELECTRONIC CIRCUIT  
BOARD

DELAYED-ACTION  
ESCAPEMENT

DELAYED-ACTION  
PULL-DOWN  
LEVER

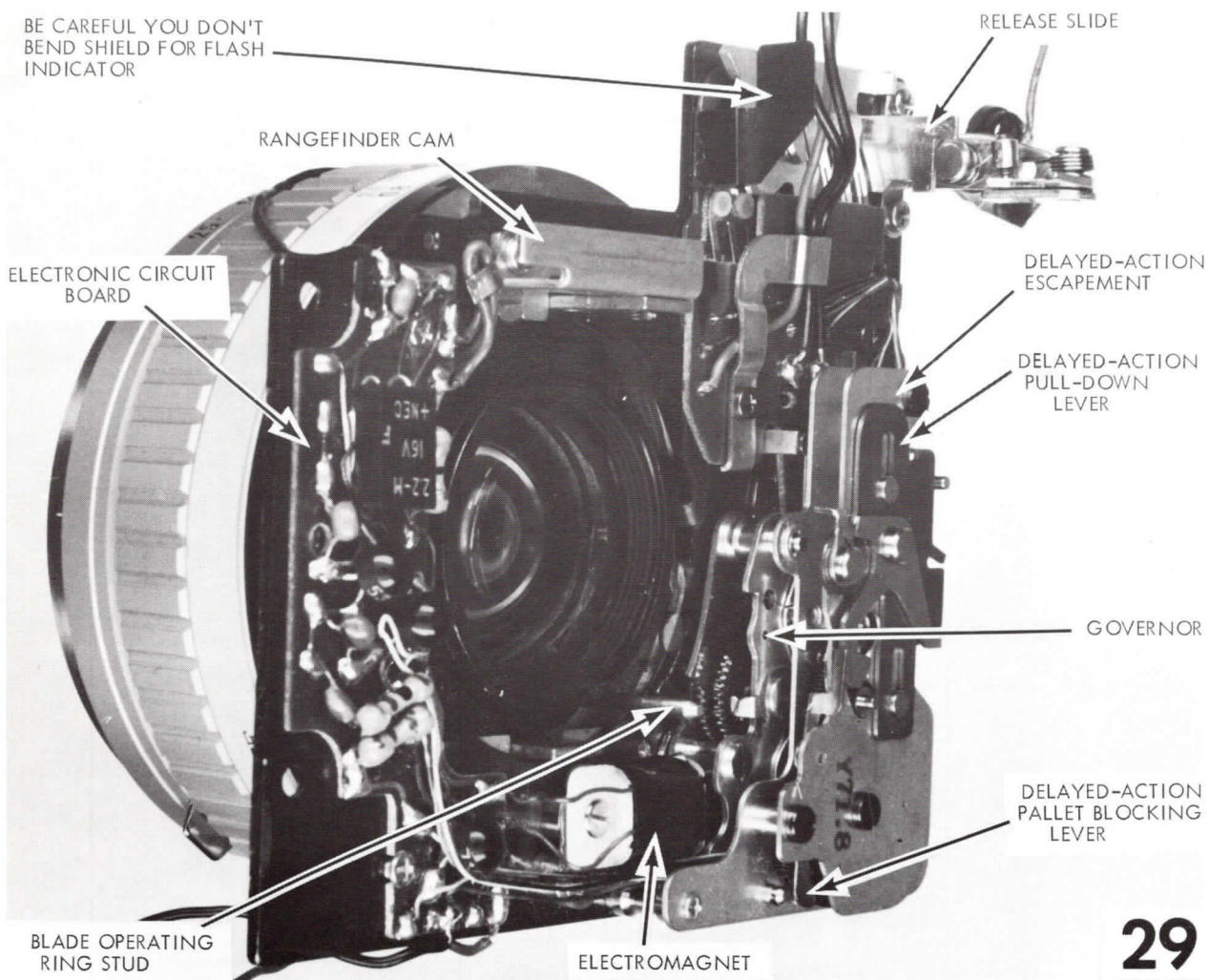
GOVERNOR

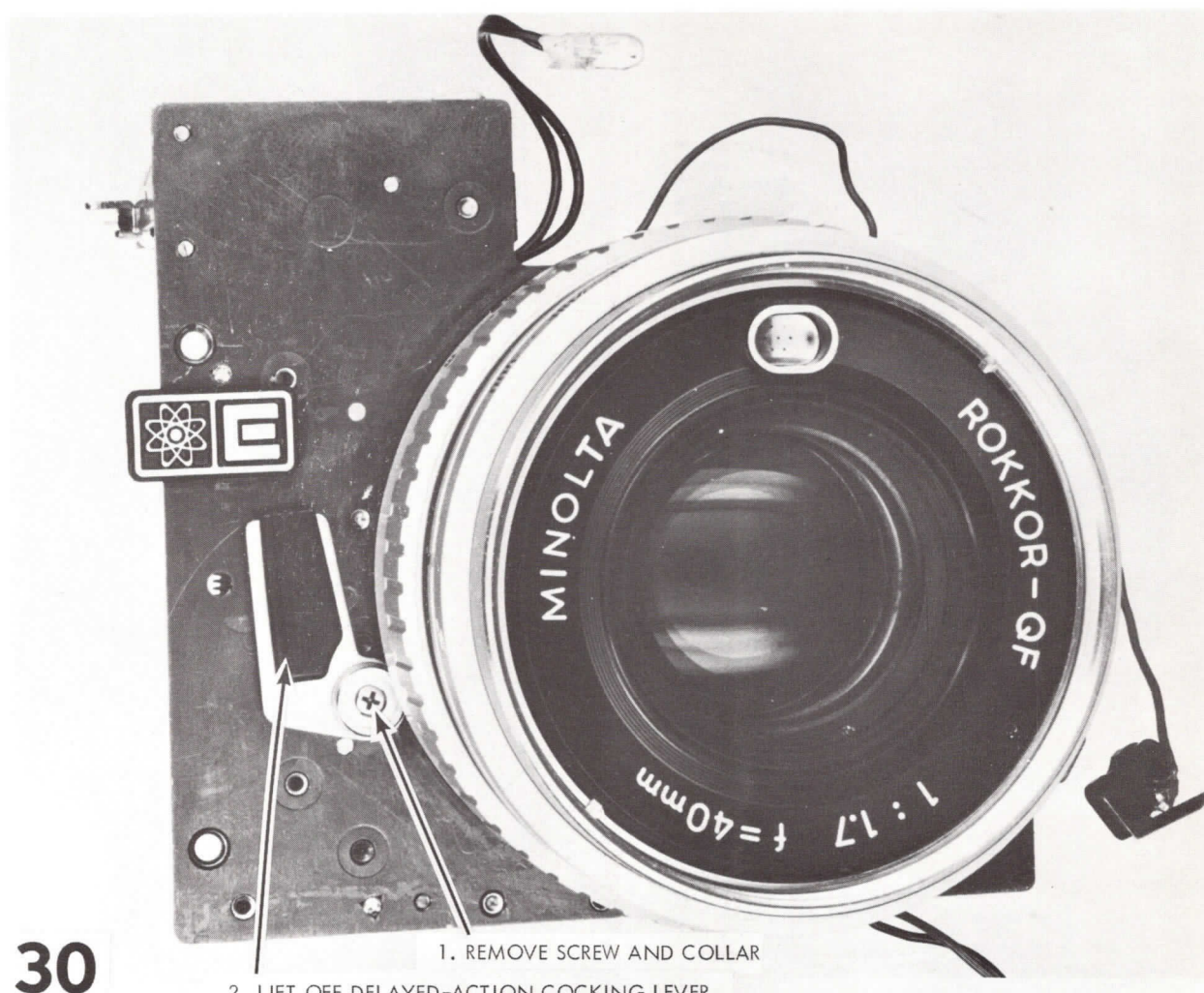
DELAYED-ACTION  
PALLET BLOCKING  
LEVER

BLADE OPERATING  
RING STUD

ELECTROMAGNET

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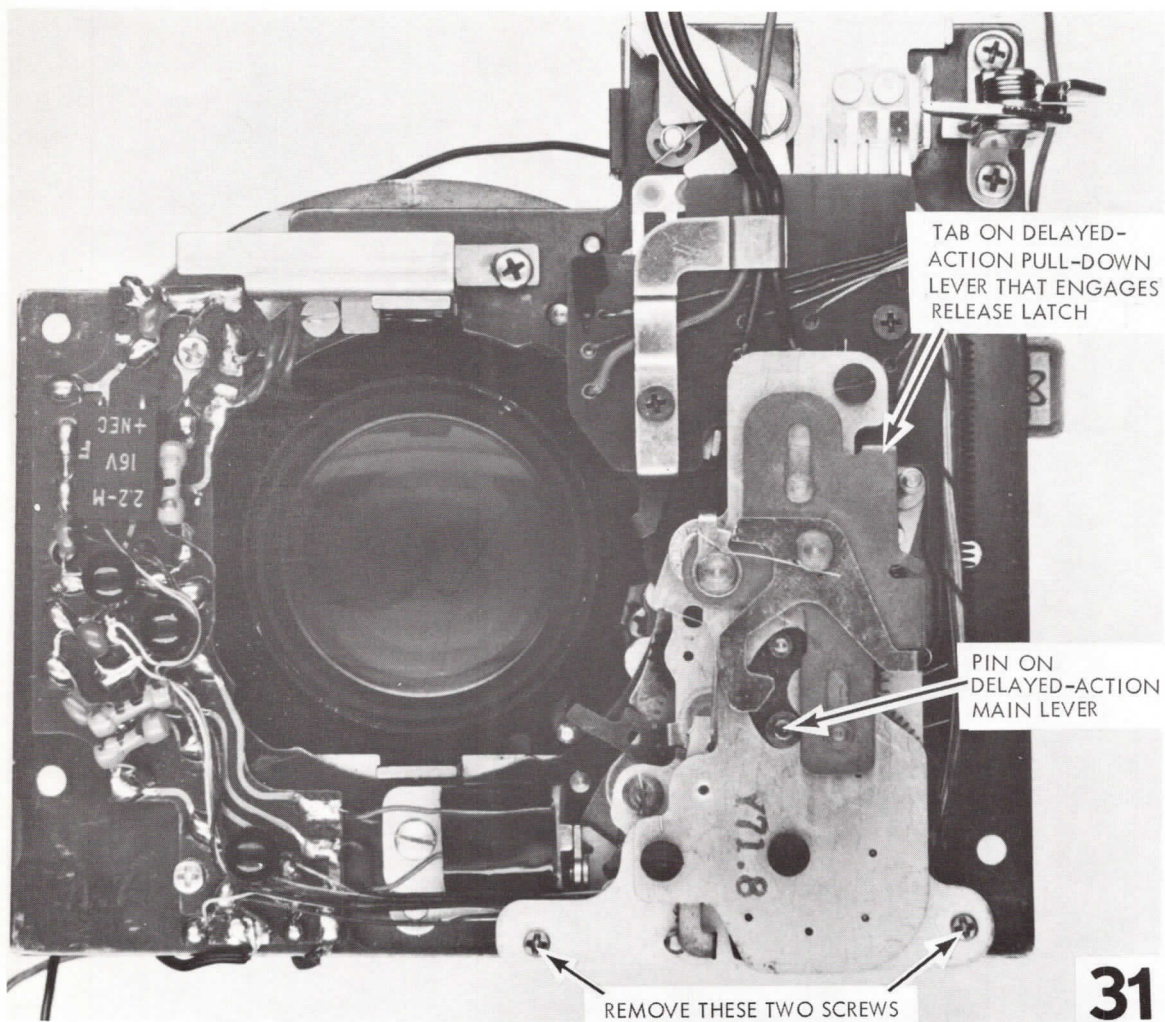


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1. REMOVE SCREW AND COLLAR

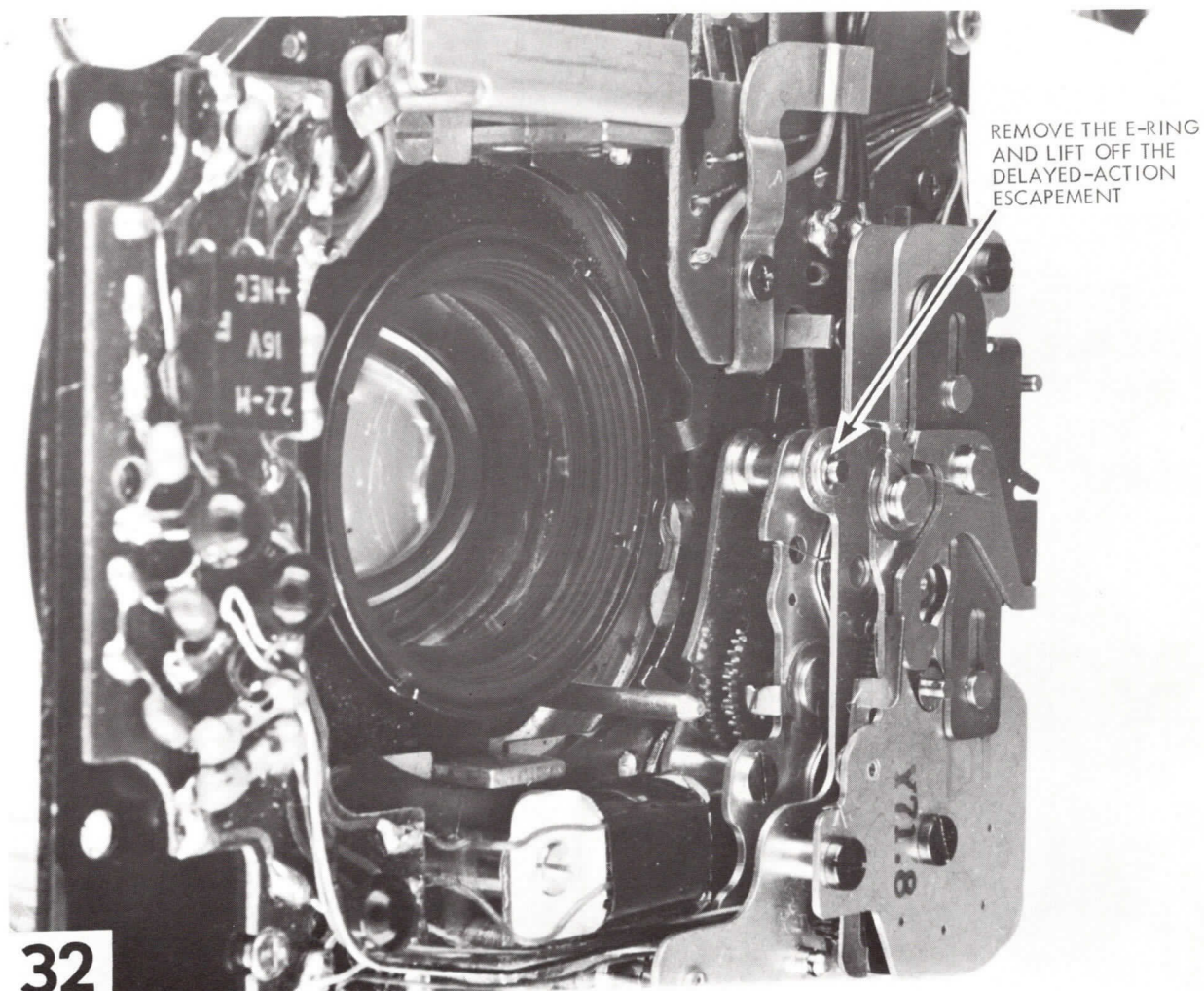
2. LIFT OFF DELAYED-ACTION COCKING LEVER





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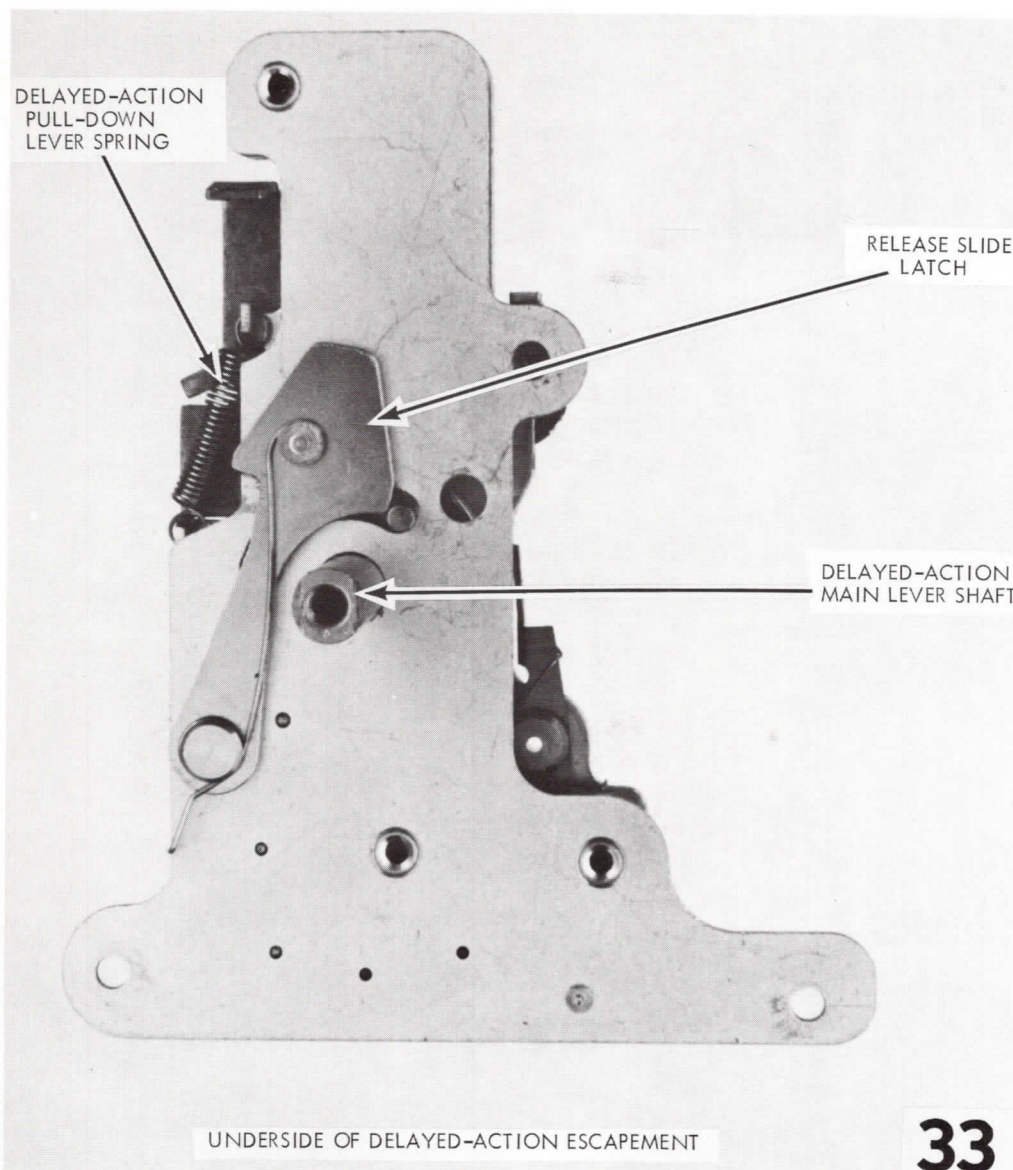
DELAYED-ACTION  
PULL-DOWN  
LEVER SPRING

RELEASE SLIDE  
LATCH

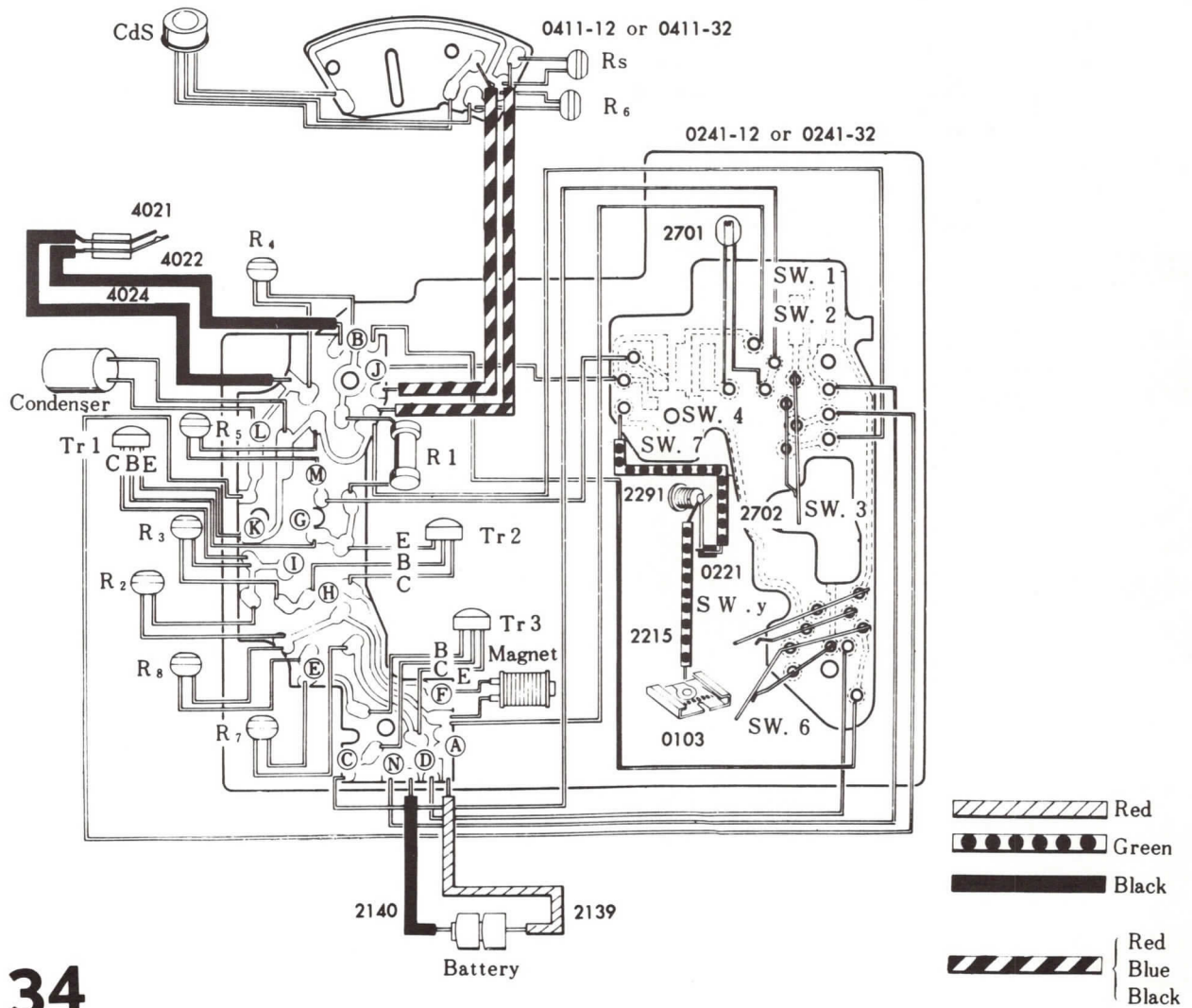
DELAYED-ACTION  
MAIN LEVER SHAFT

UNDERSIDE OF DELAYED-ACTION ESCAPEMENT

33

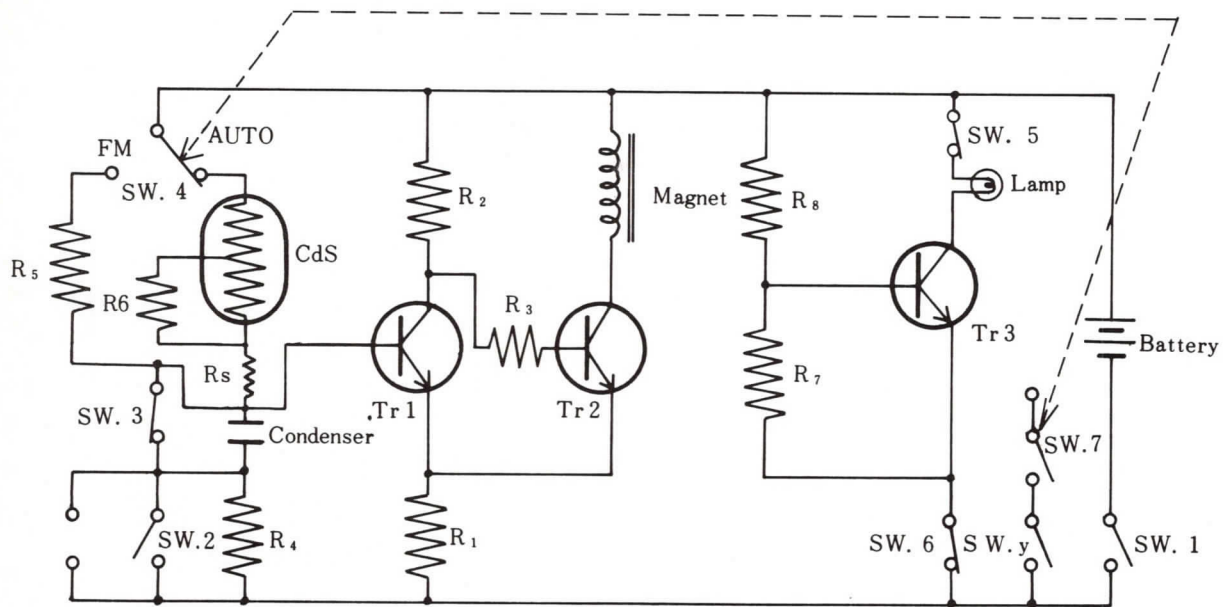


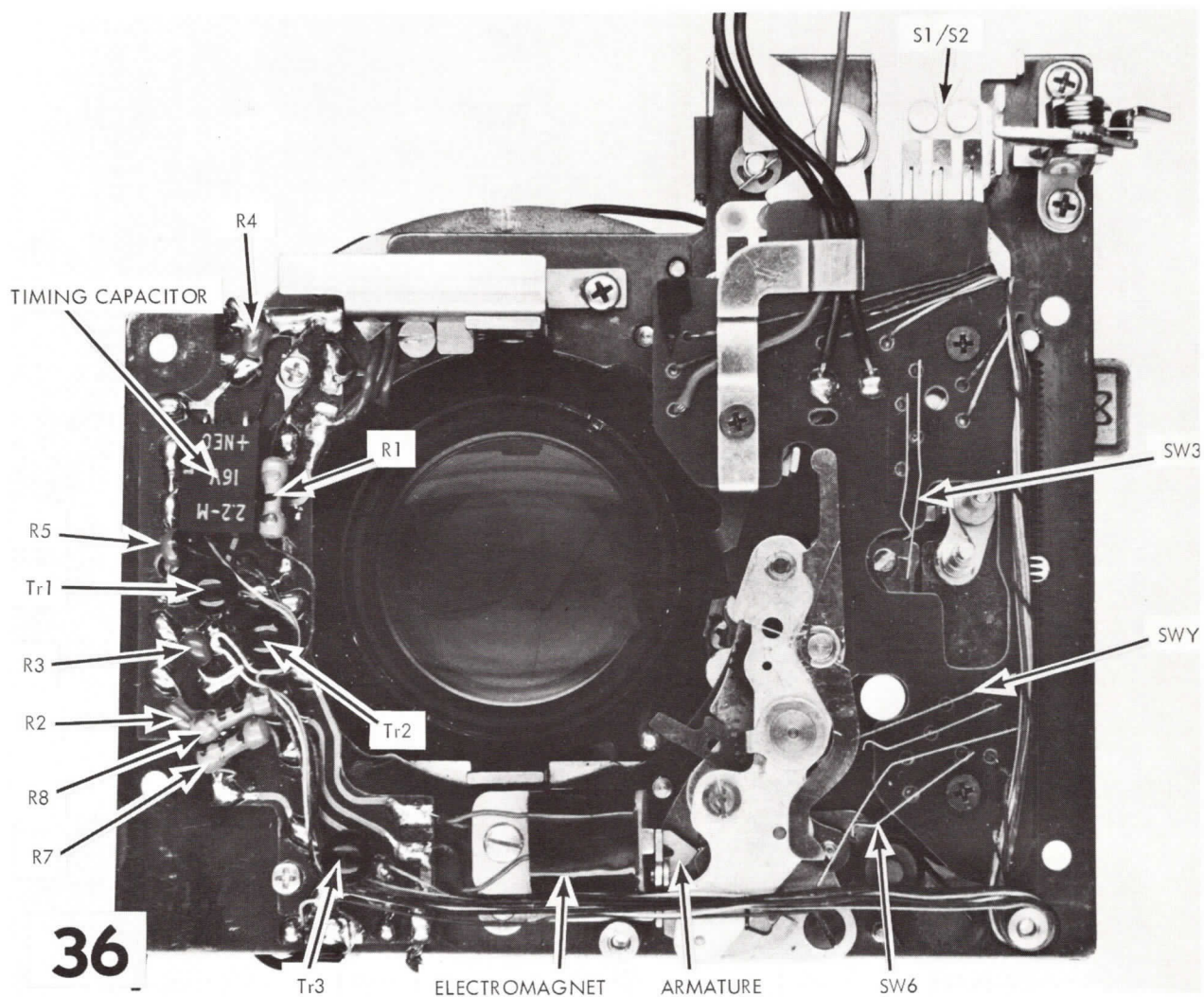
# WIRING SCHEMATIC DIAGRAM



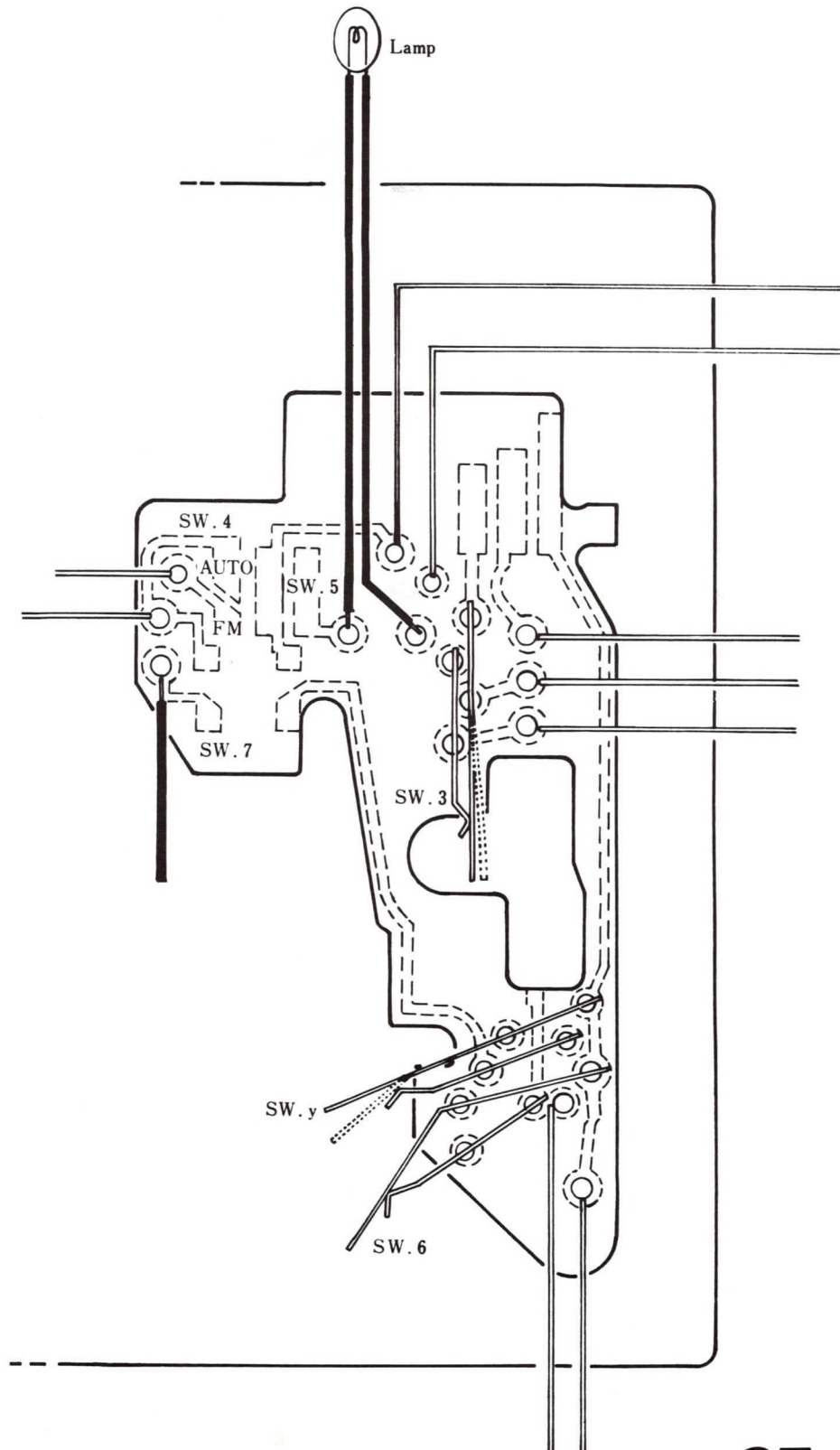


# CIRCUIT DIAGRAM





# EXPLANATORY OPERATION DRAWING B



**37**

SWITCH CONDITION SHOWN BY SOLID LINES IS THAT PRIOR TO SHUTTER RELEASE

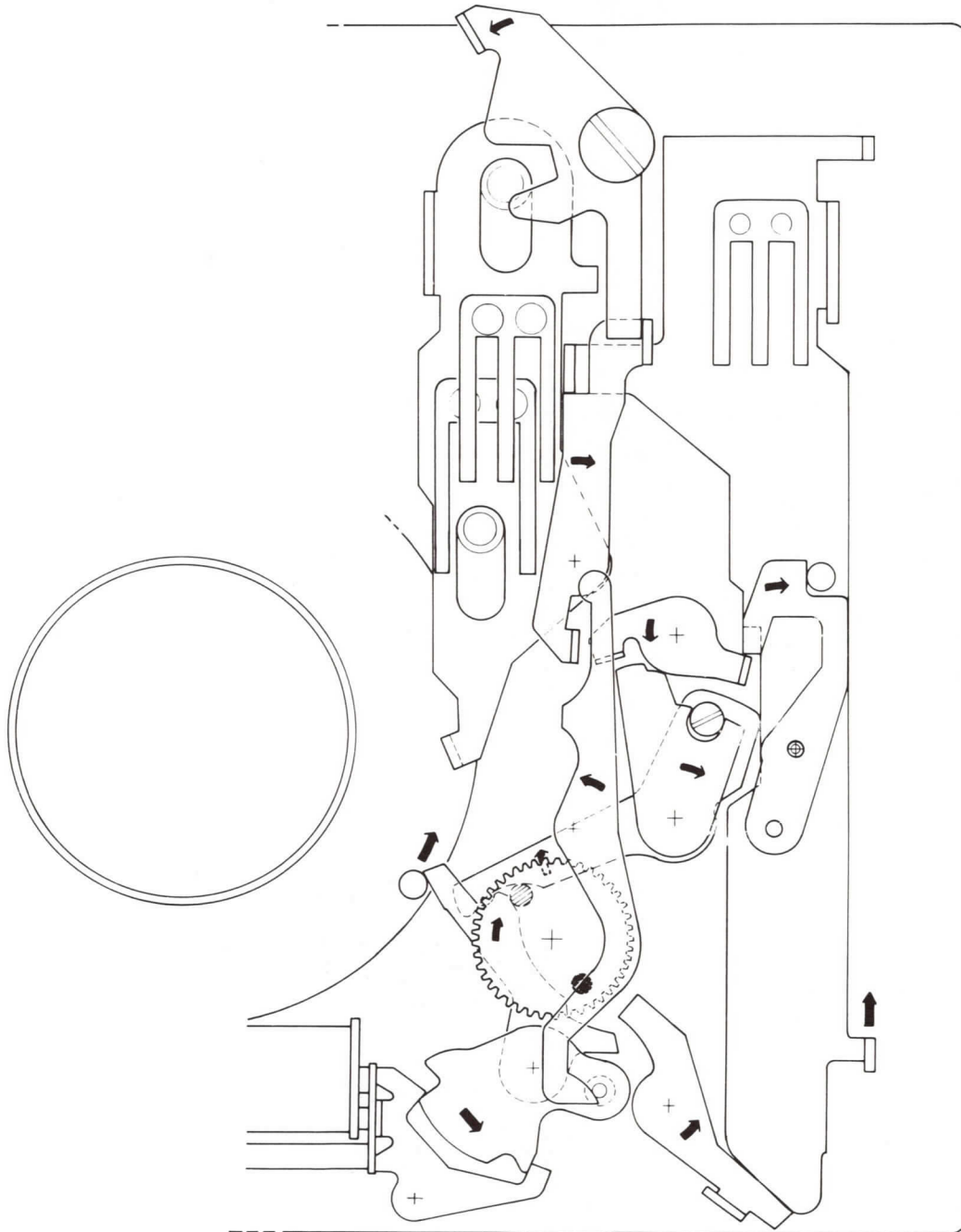
SWITCH CONDITION DURING RELEASE BUT BEFORE SECTORS OPENING IS INDICATED BY DOTTED LINES



## EXPLANATORY OPERATION DRAWING C

CONDITION DURING RELEASE (BUT PRIOR TO SECTORS' OPENING)

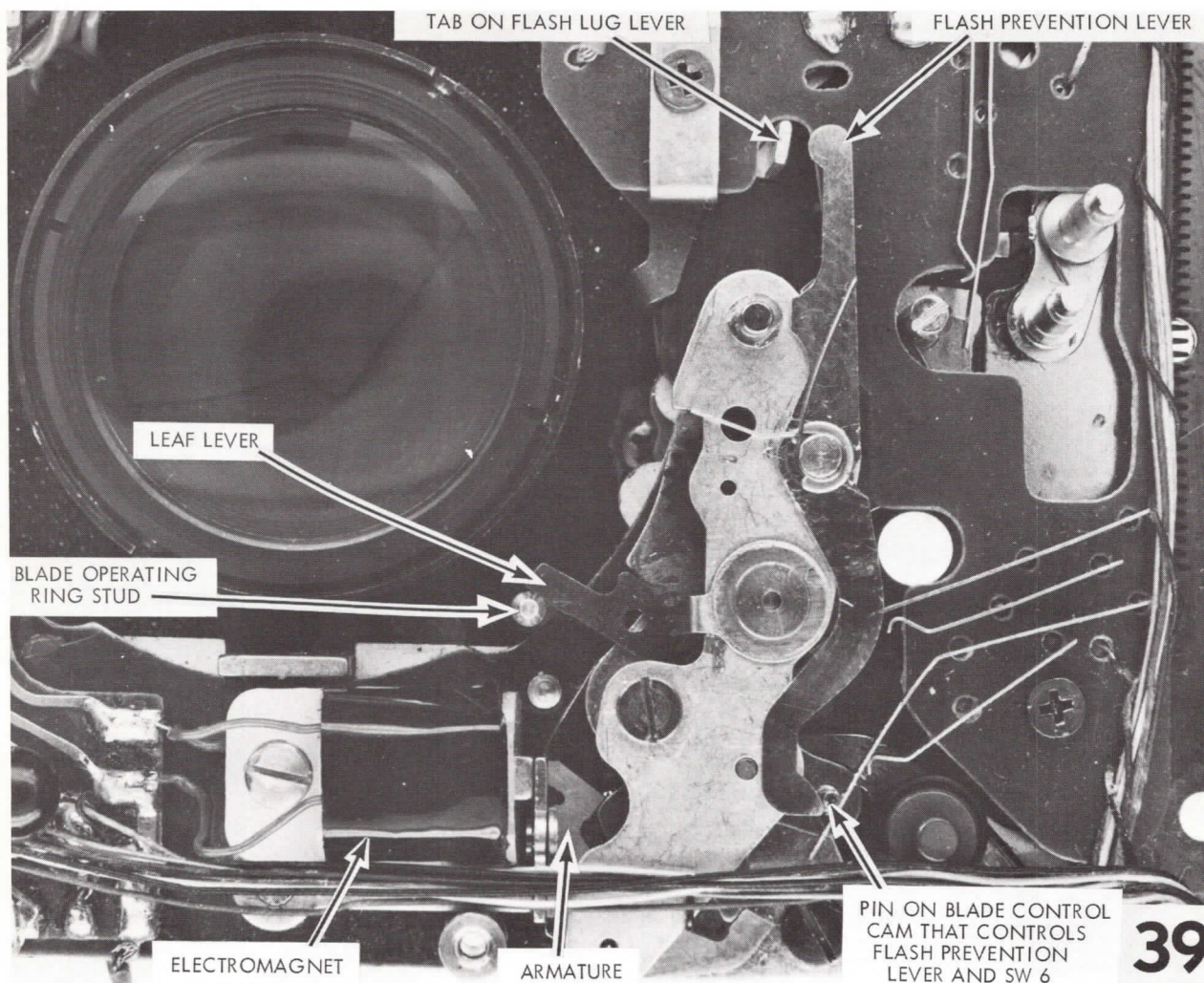
FLASH ATTACHED  
FLASH SELECTOR SET AT AUTO  
SUBJECT BRIGHTNESS: EV 6.5 OR LESS



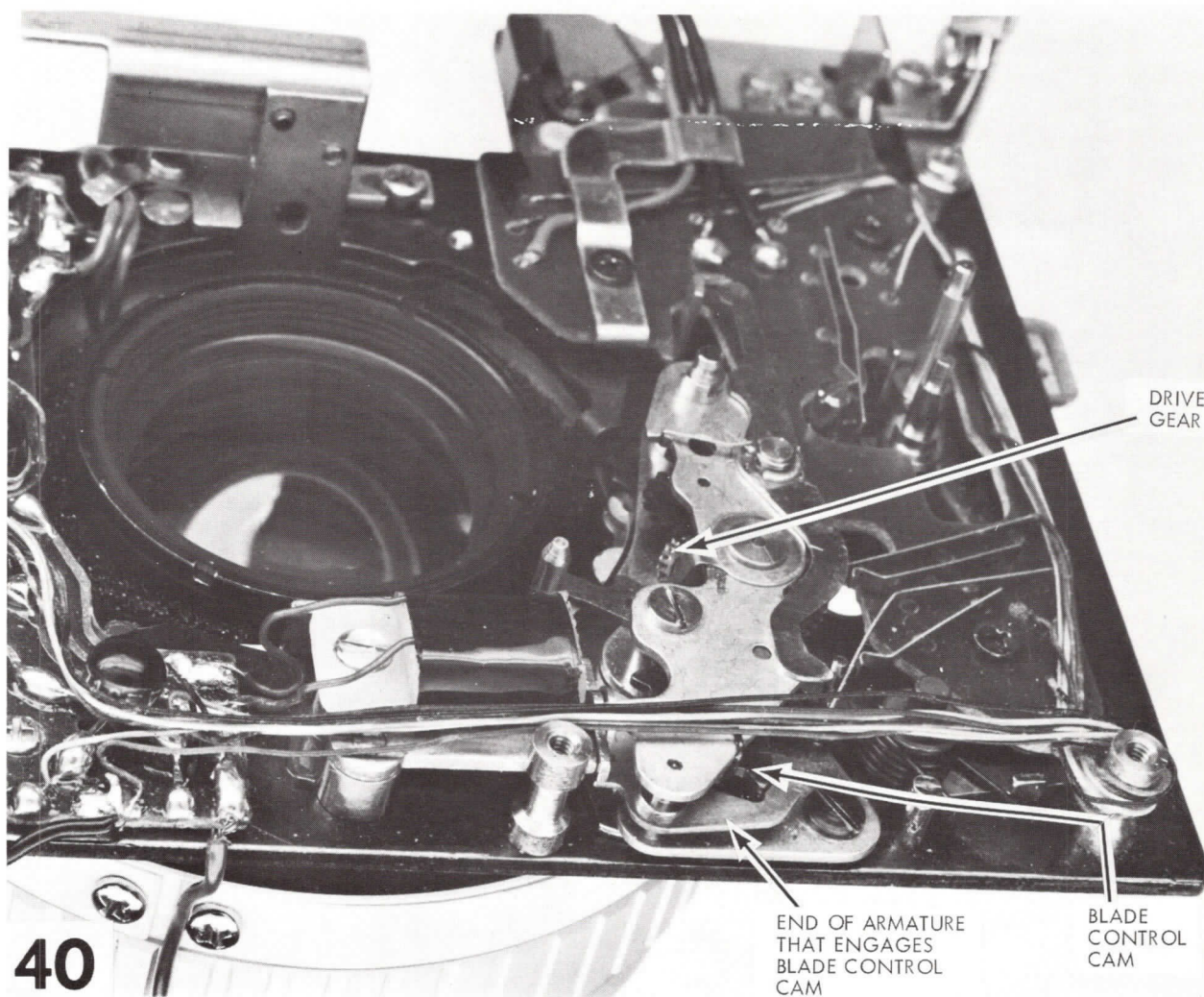
**38**



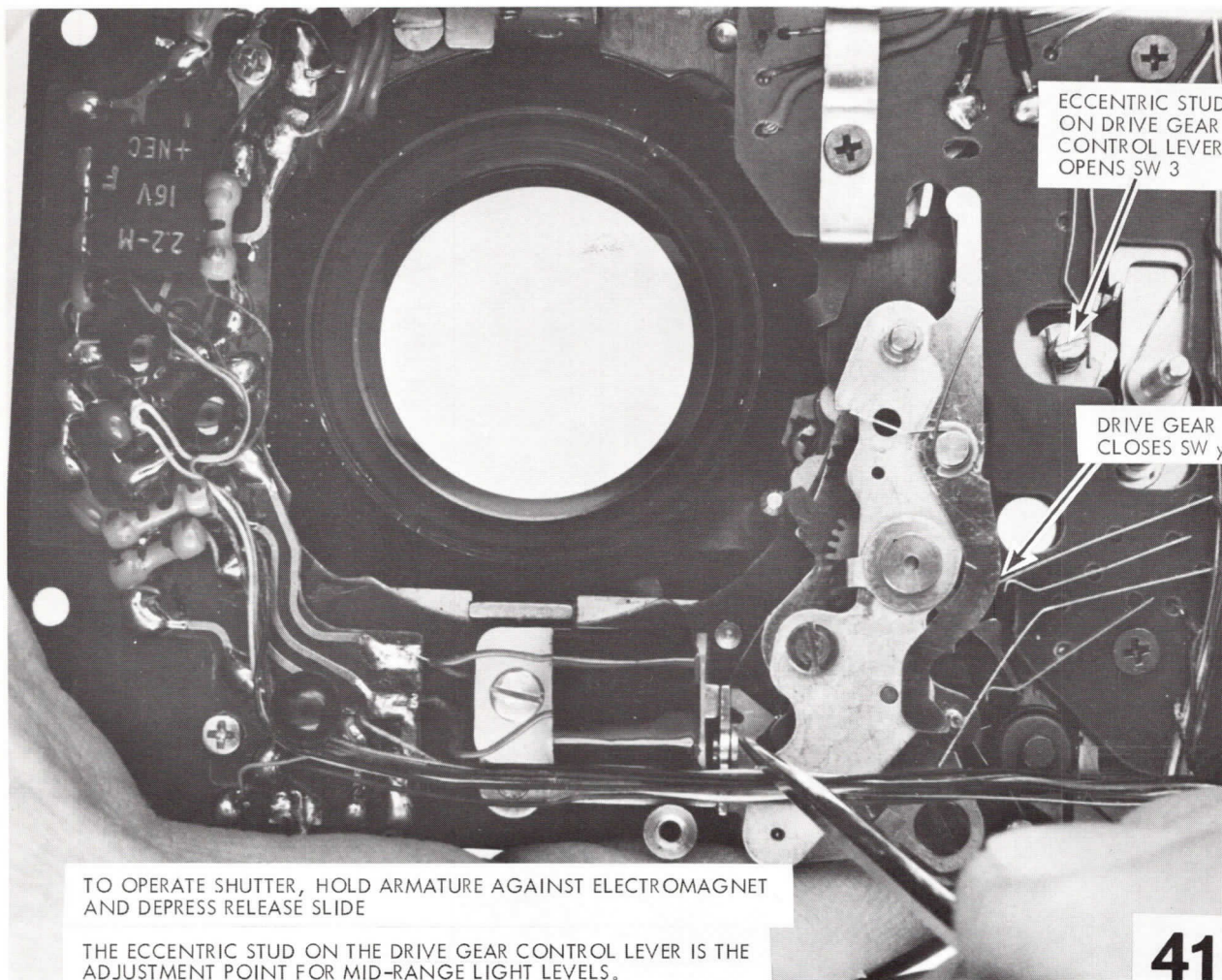
ARROWS INDICATE DIRECTION IN WHICH SPRING FORCE ALWAYS ACTS





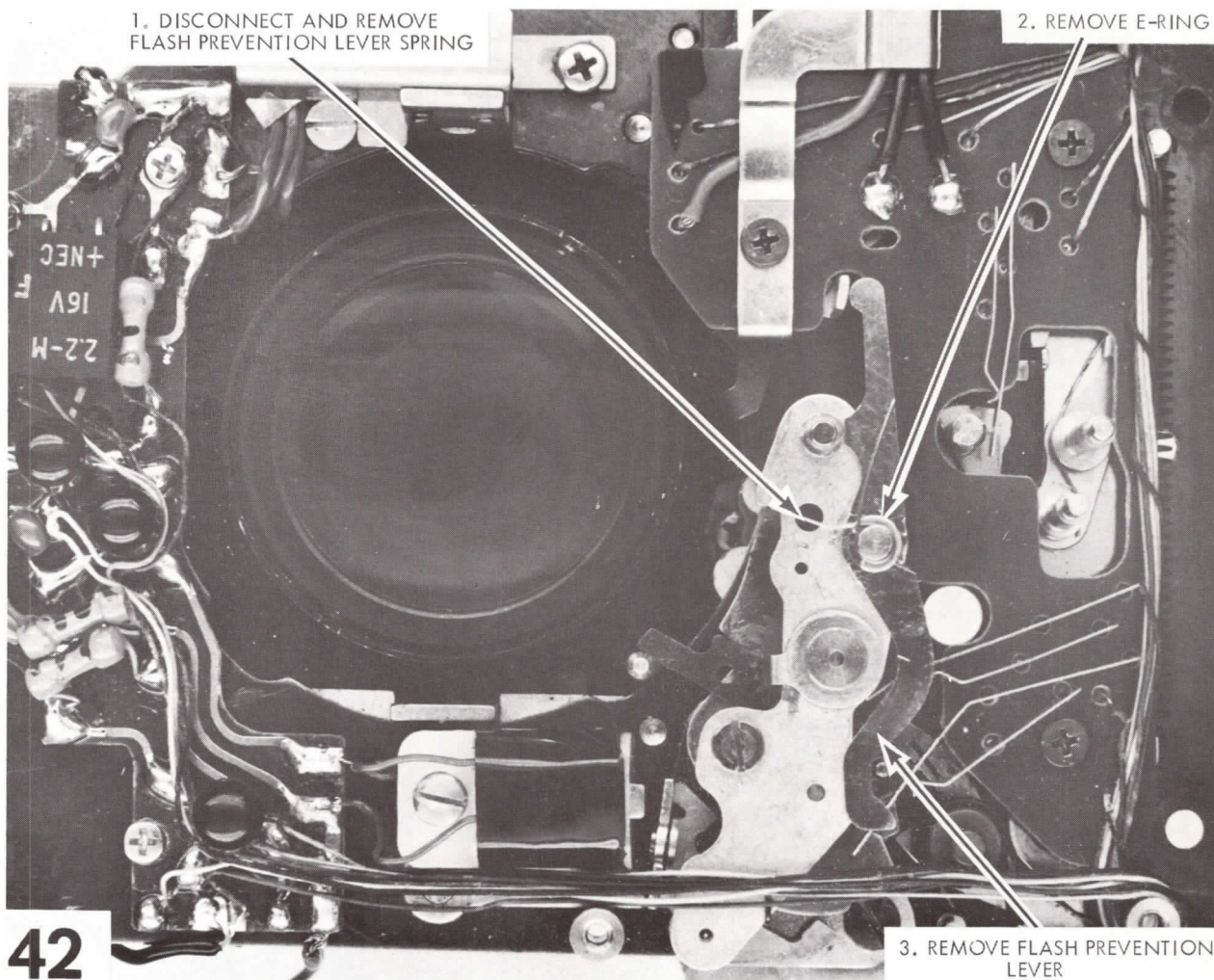






1. DISCONNECT AND REMOVE  
FLASH PREVENTION LEVER SPRING

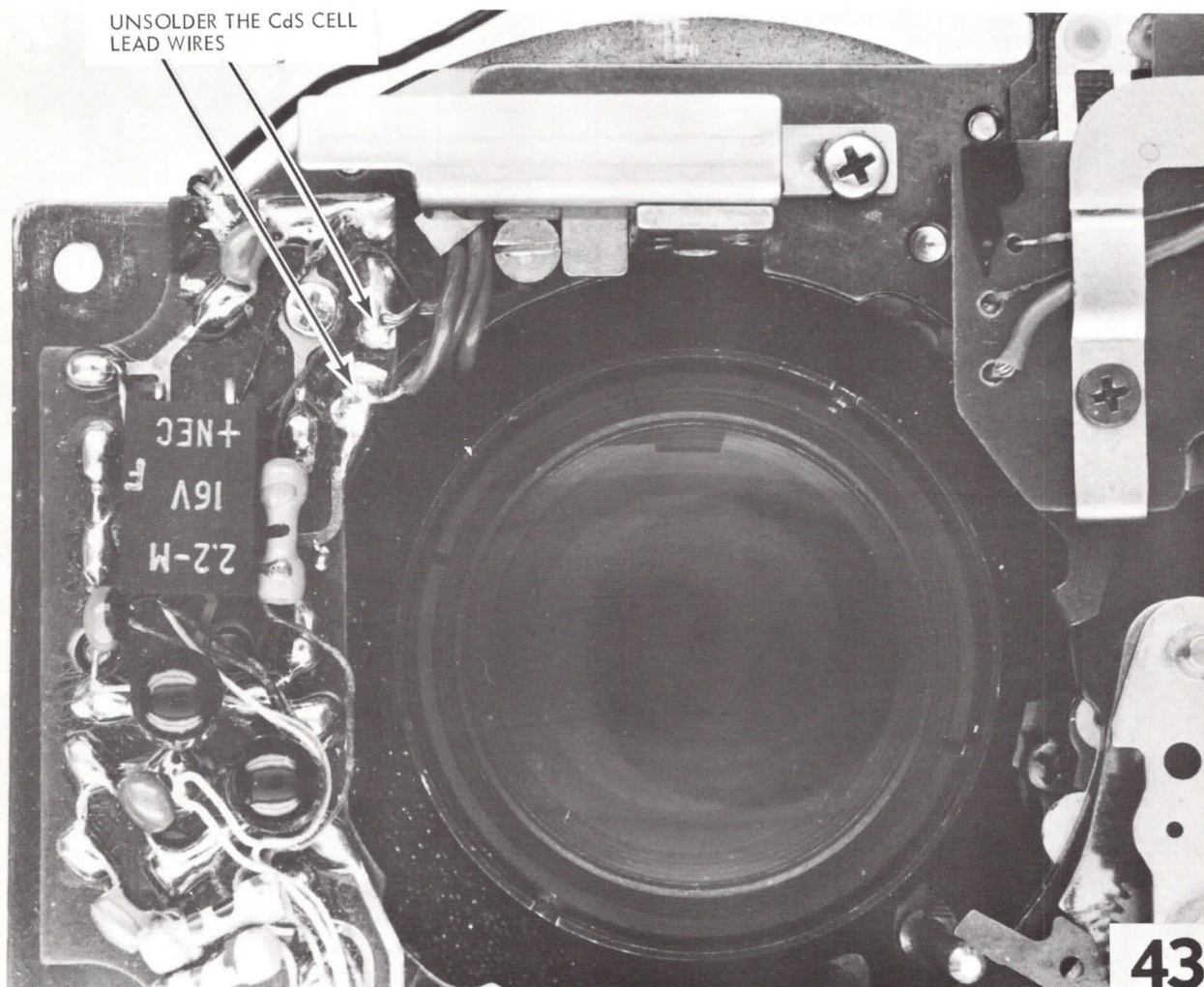
2. REMOVE E-RING



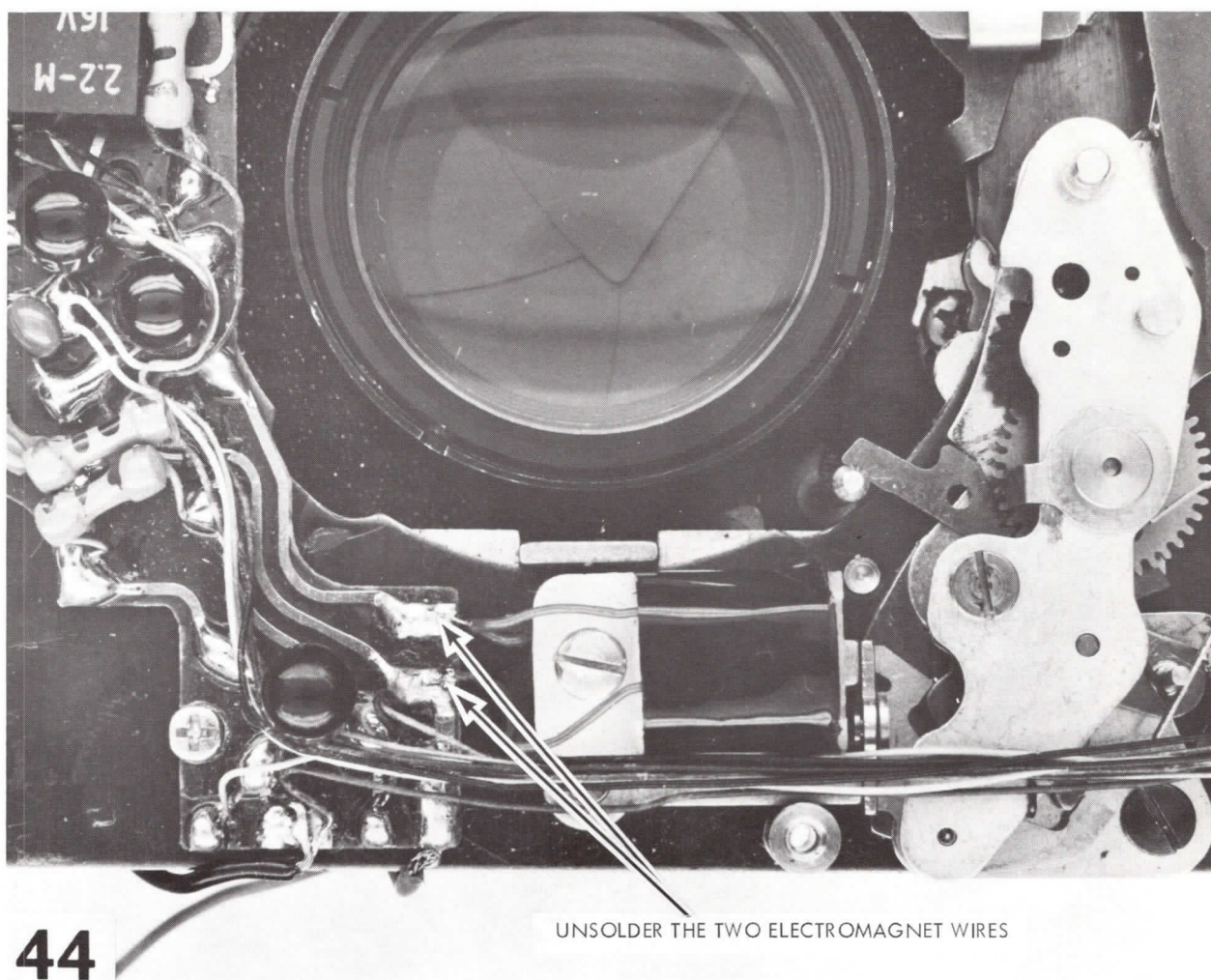
3. REMOVE FLASH PREVENTION  
LEVER



UNSOLDER THE CdS CELL  
LEAD WIRES

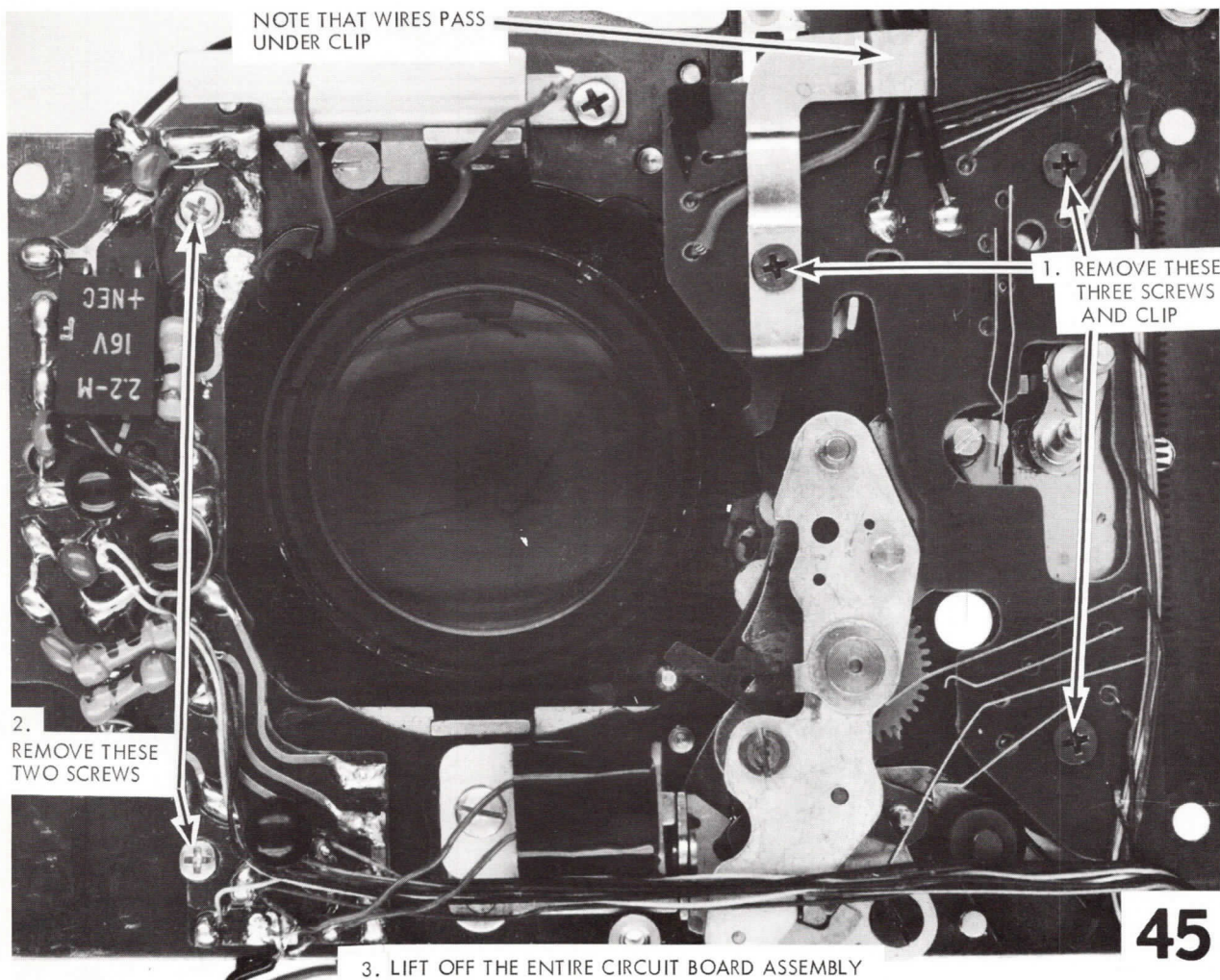






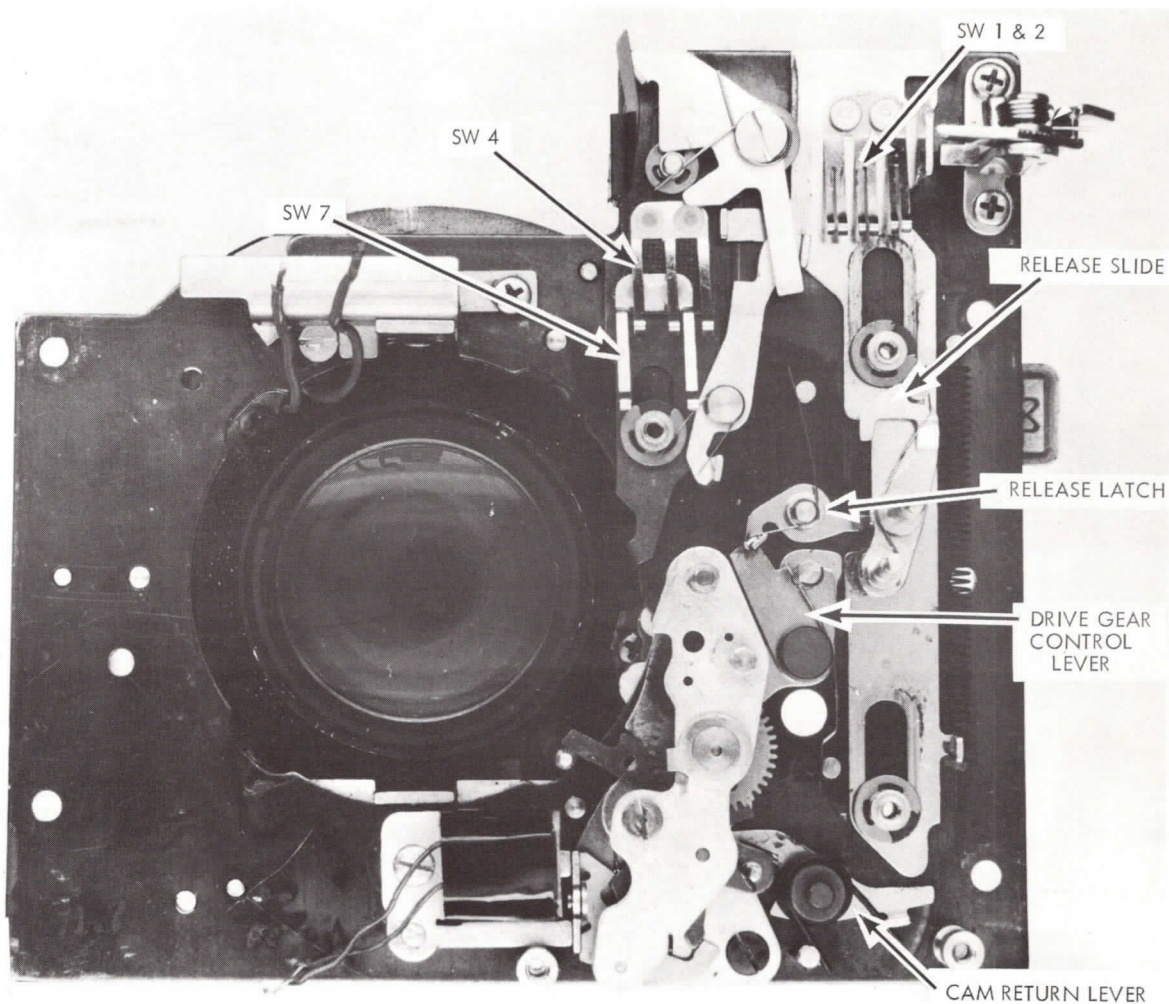
44

UNWELD THE TWO ELECTROMAGNET WIRES

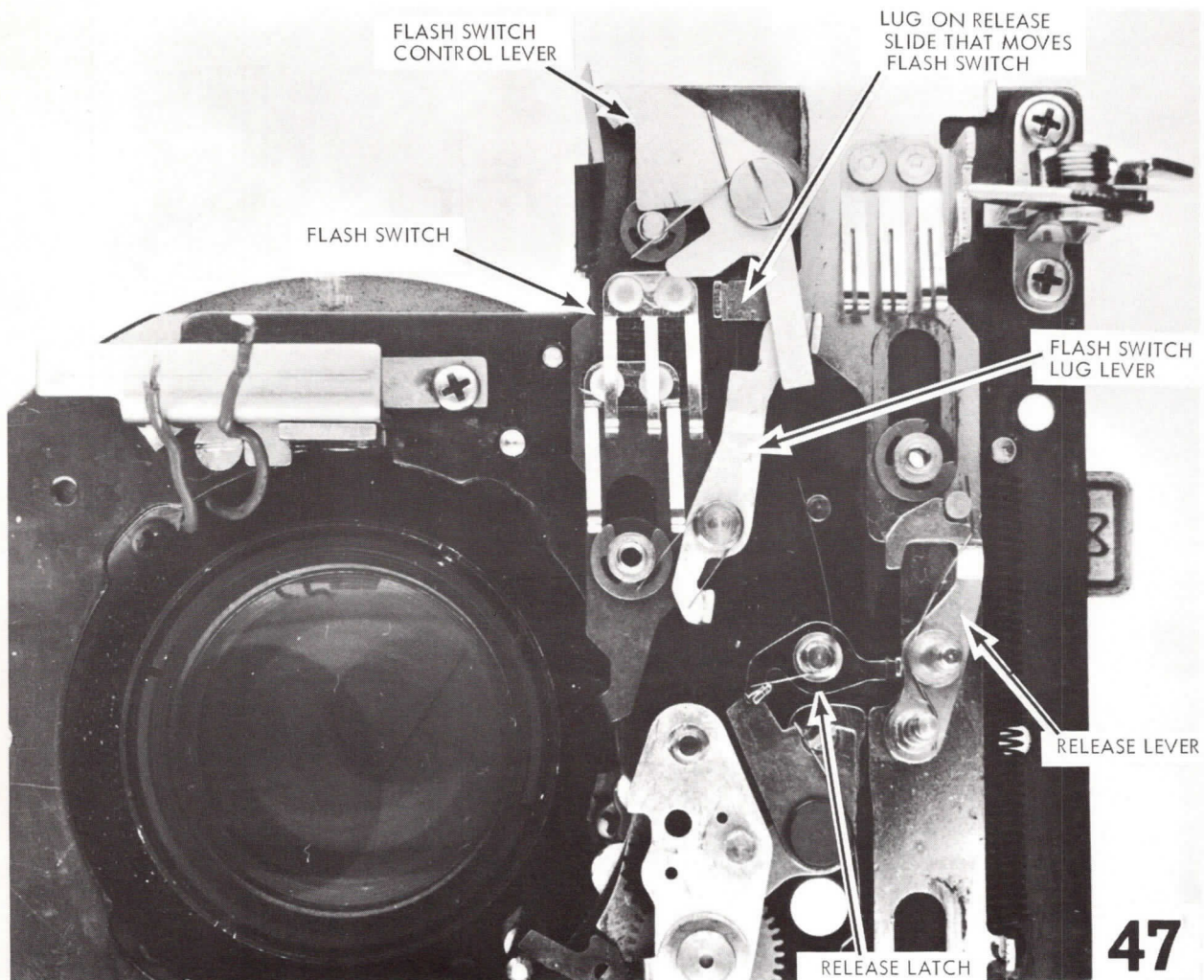


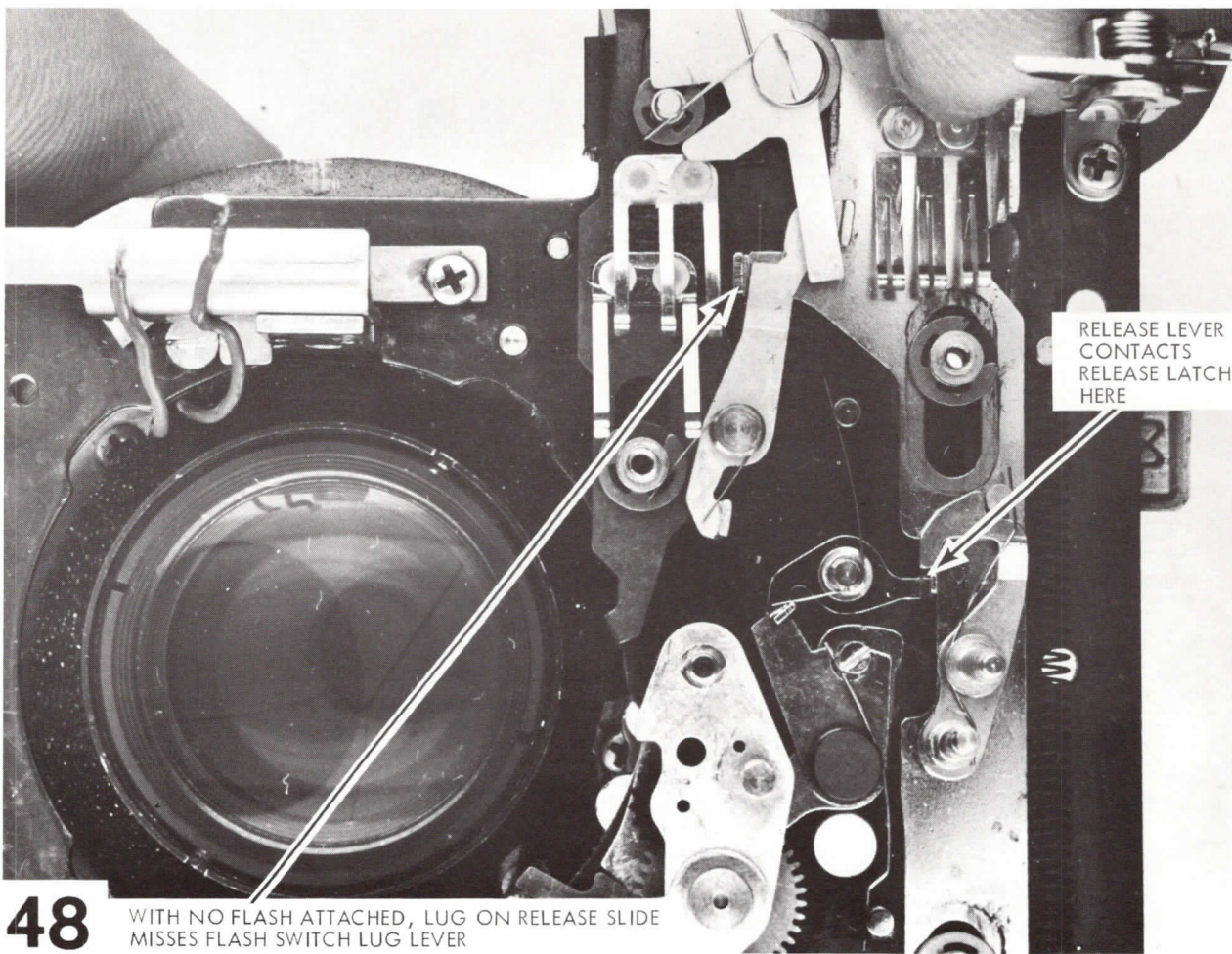


46







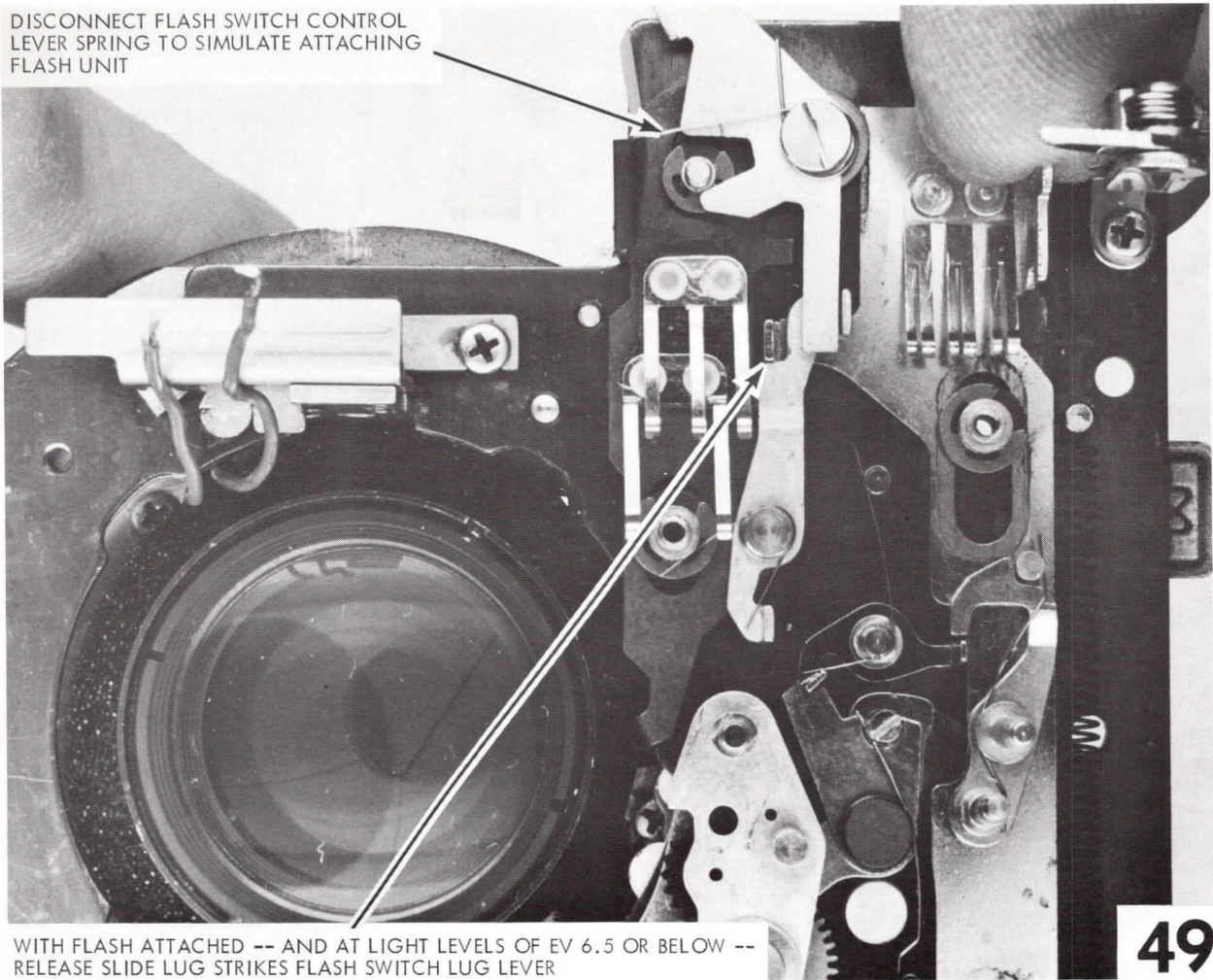


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WITH NO FLASH ATTACHED, LUG ON RELEASE SLIDE  
MISSES FLASH SWITCH LUG LEVER

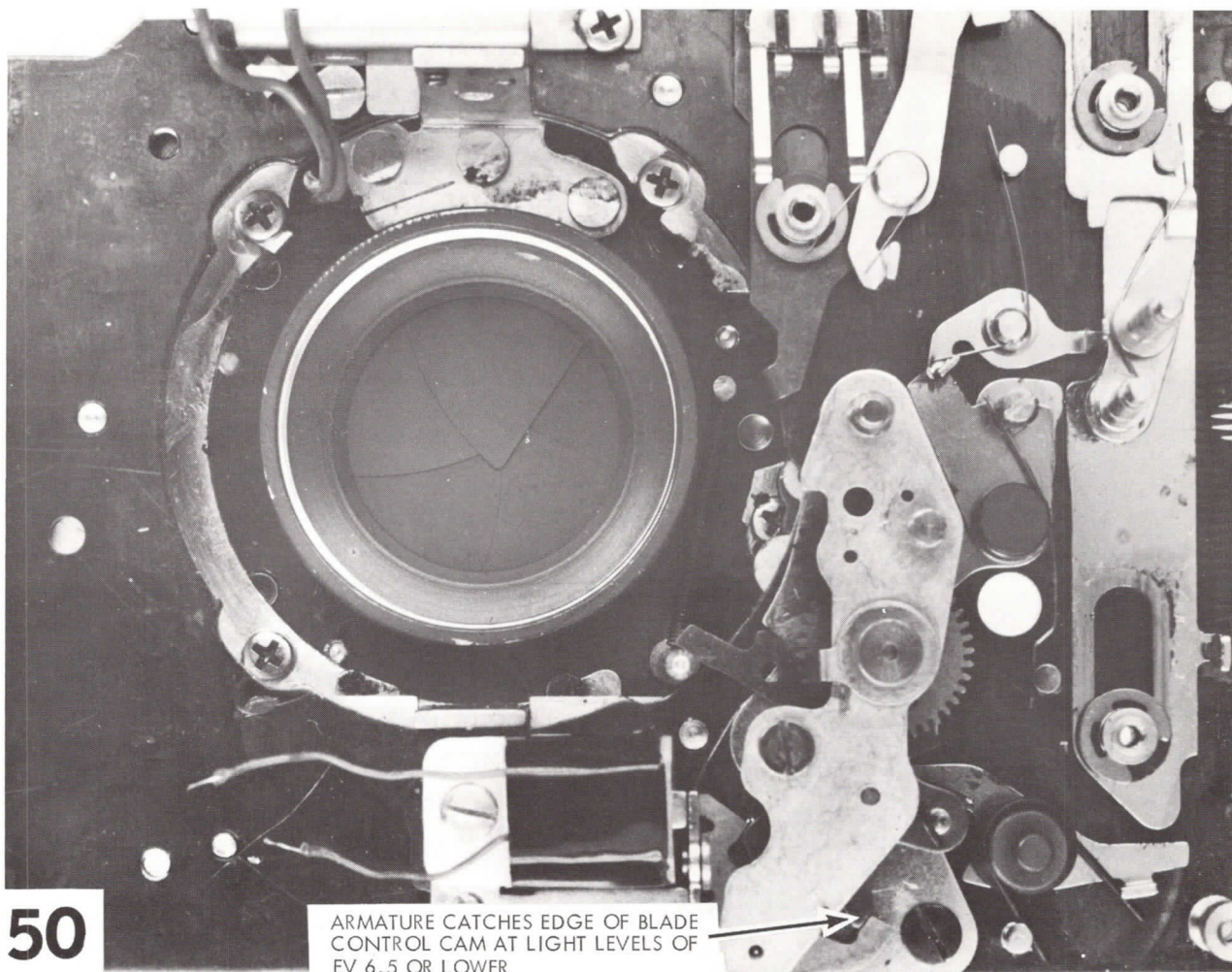


DISCONNECT FLASH SWITCH CONTROL  
LEVER SPRING TO SIMULATE ATTACHING  
FLASH UNIT



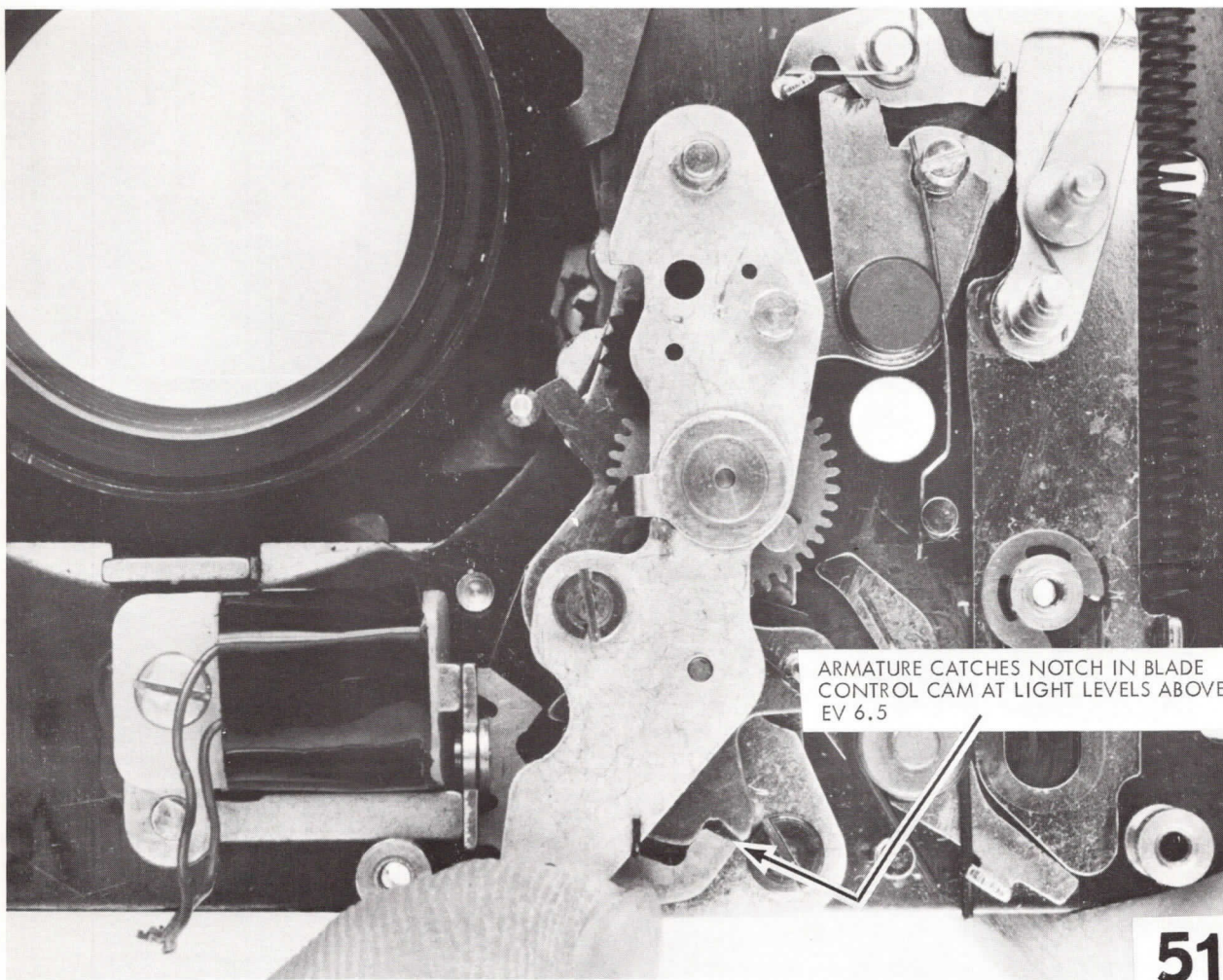
WITH FLASH ATTACHED -- AND AT LIGHT LEVELS OF EV 6.5 OR BELOW --  
RELEASE SLIDE LUG STRIKES FLASH SWITCH LUG LEVER





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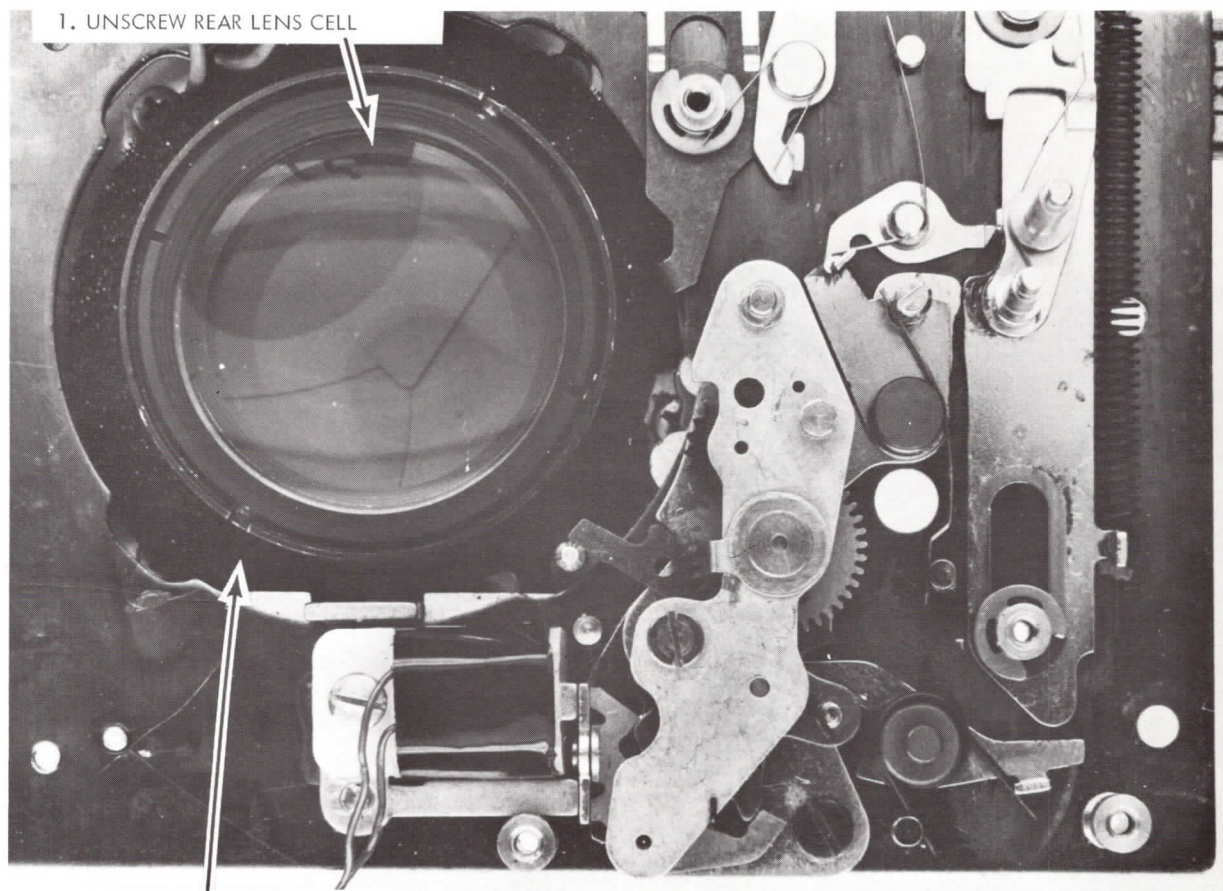
ARMATURE CATCHES EDGE OF BLADE  
CONTROL CAM AT LIGHT LEVELS OF  
EV 6.5 OR LOWER



ARMATURE CATCHES NOTCH IN BLADE  
CONTROL CAM AT LIGHT LEVELS ABOVE  
EV 6.5

51



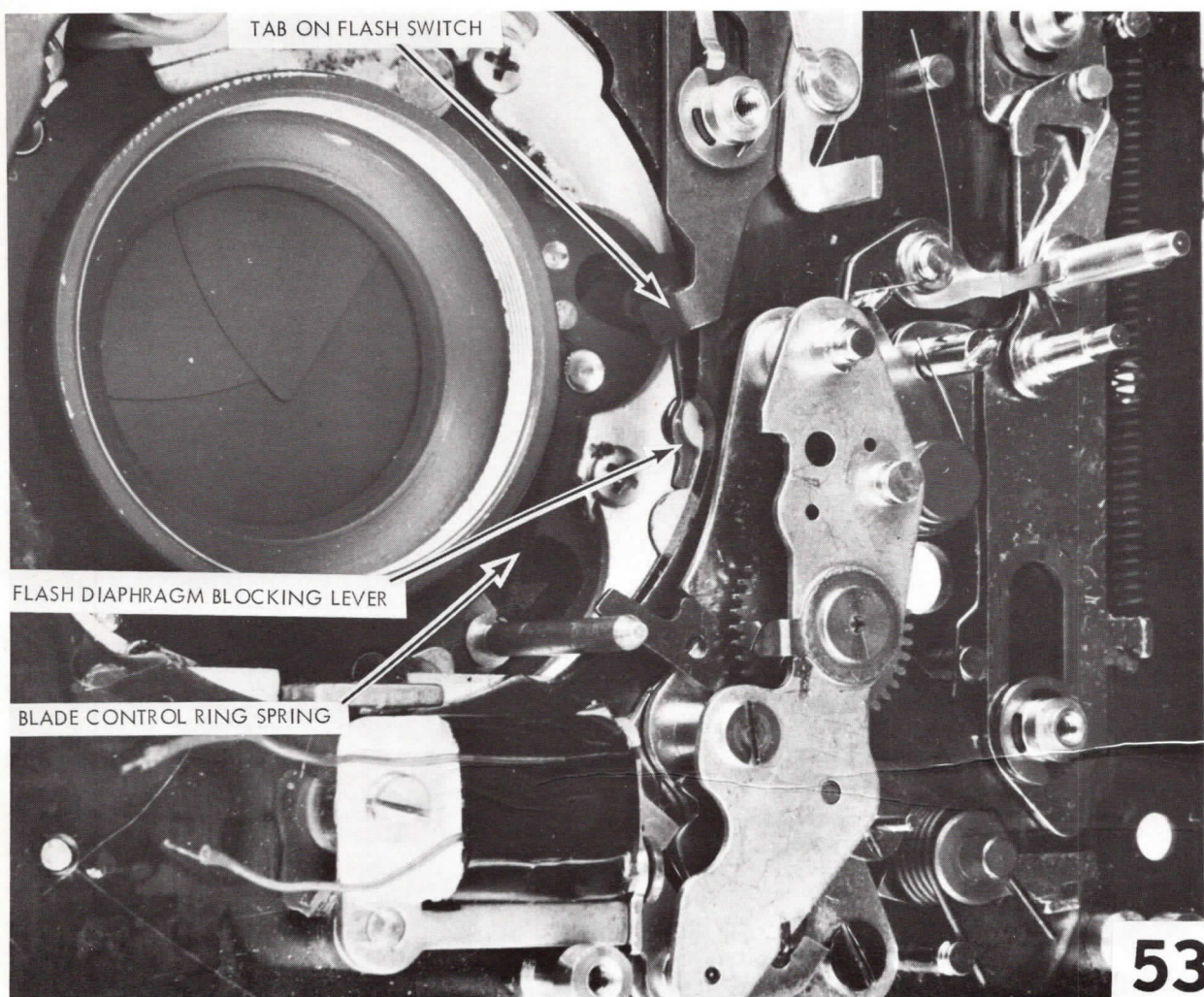


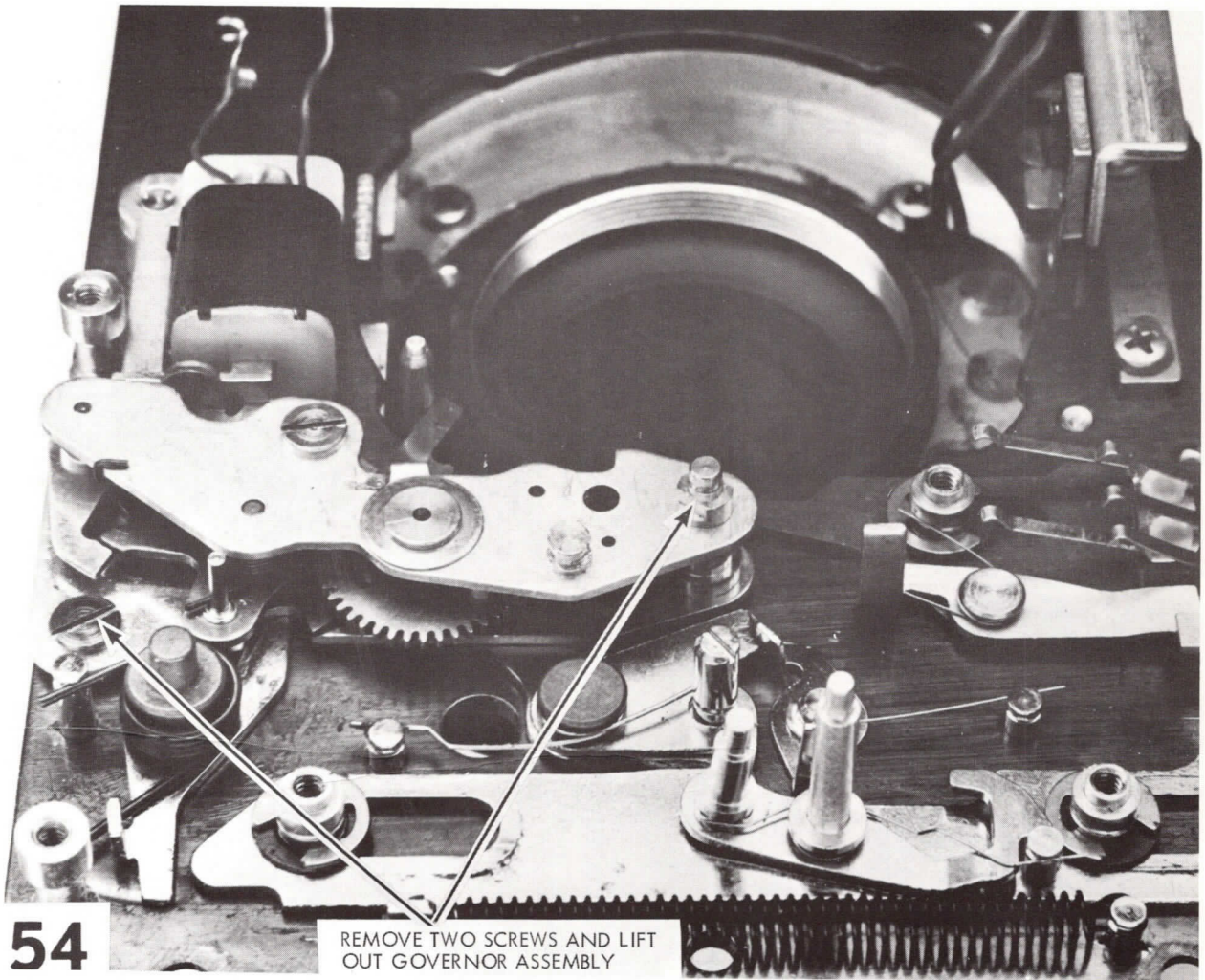
1. UNSCREW REAR LENS CELL

2. REMOVE POROUS PLASTIC RING

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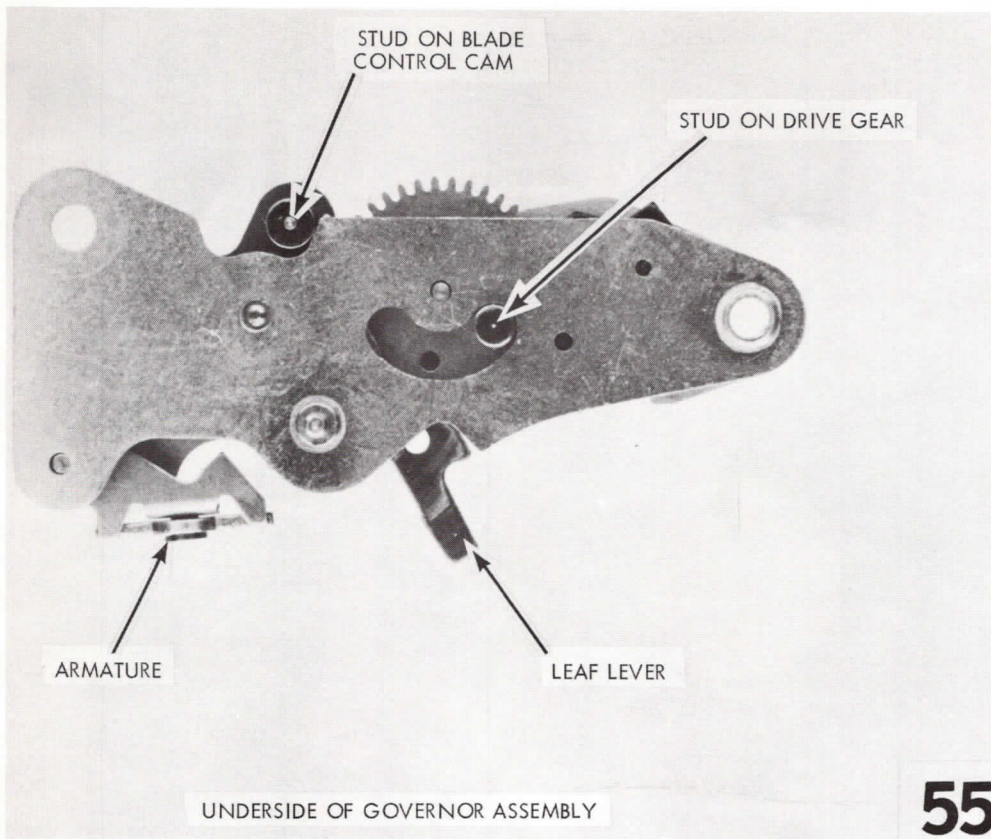




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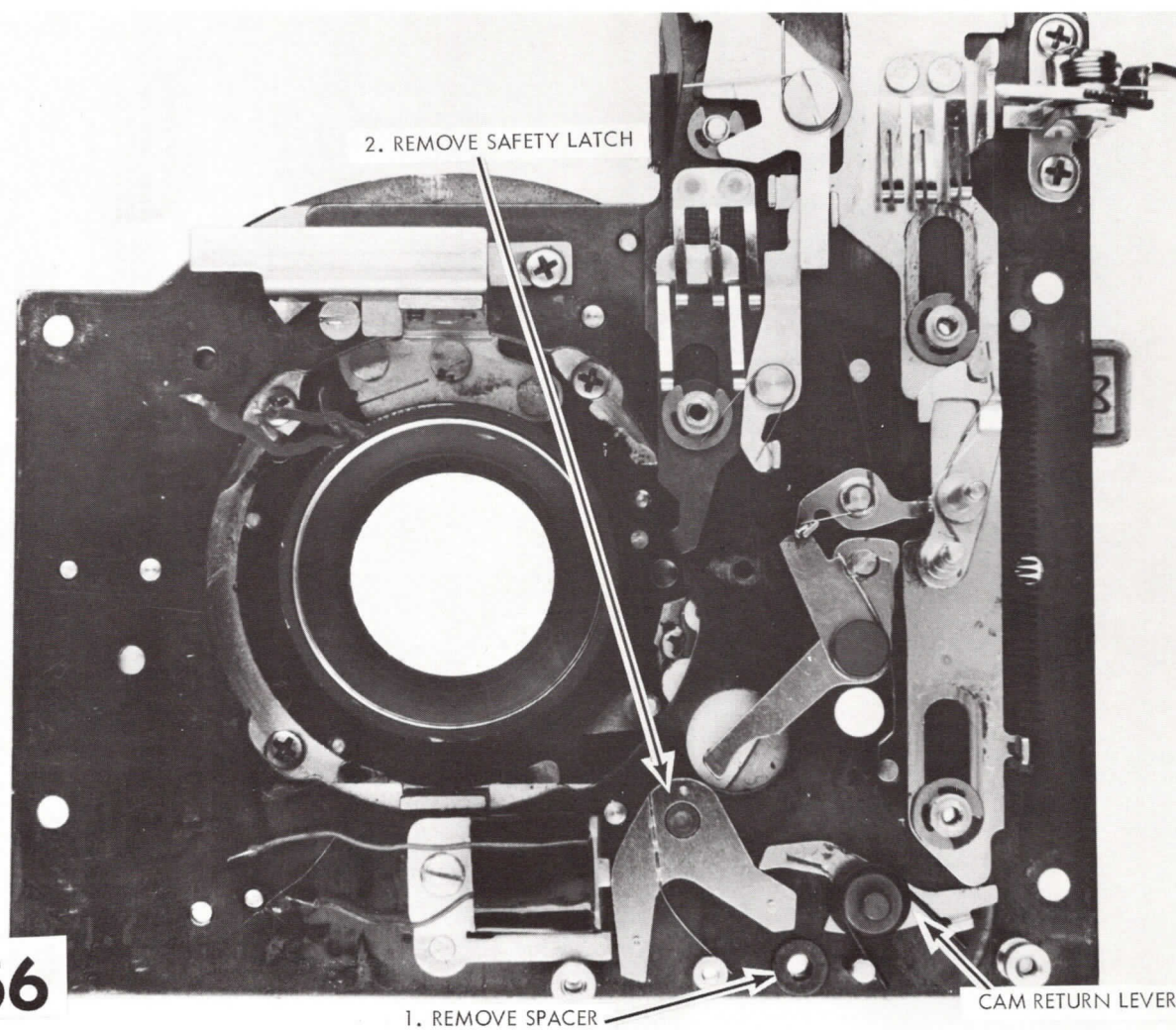
REMOVE TWO SCREWS AND LIFT  
OUT GOVERNOR ASSEMBLY

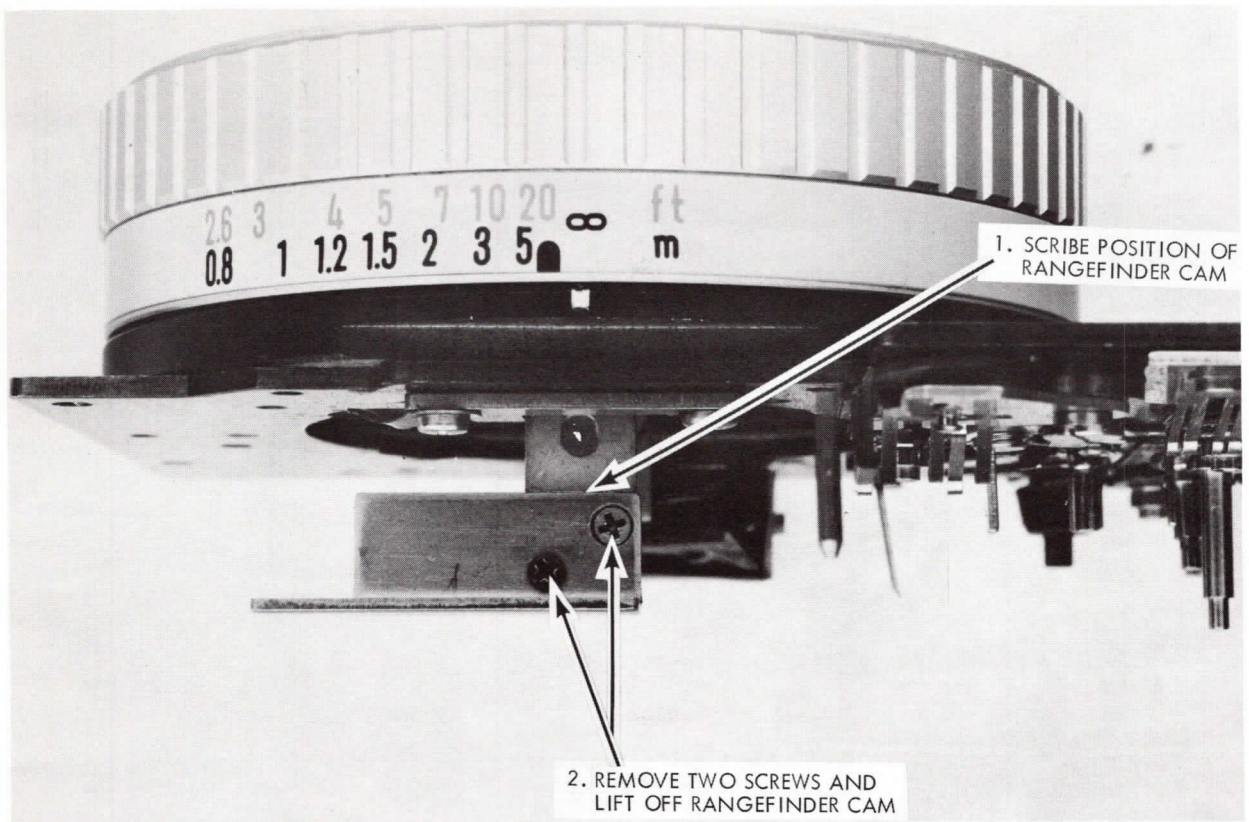




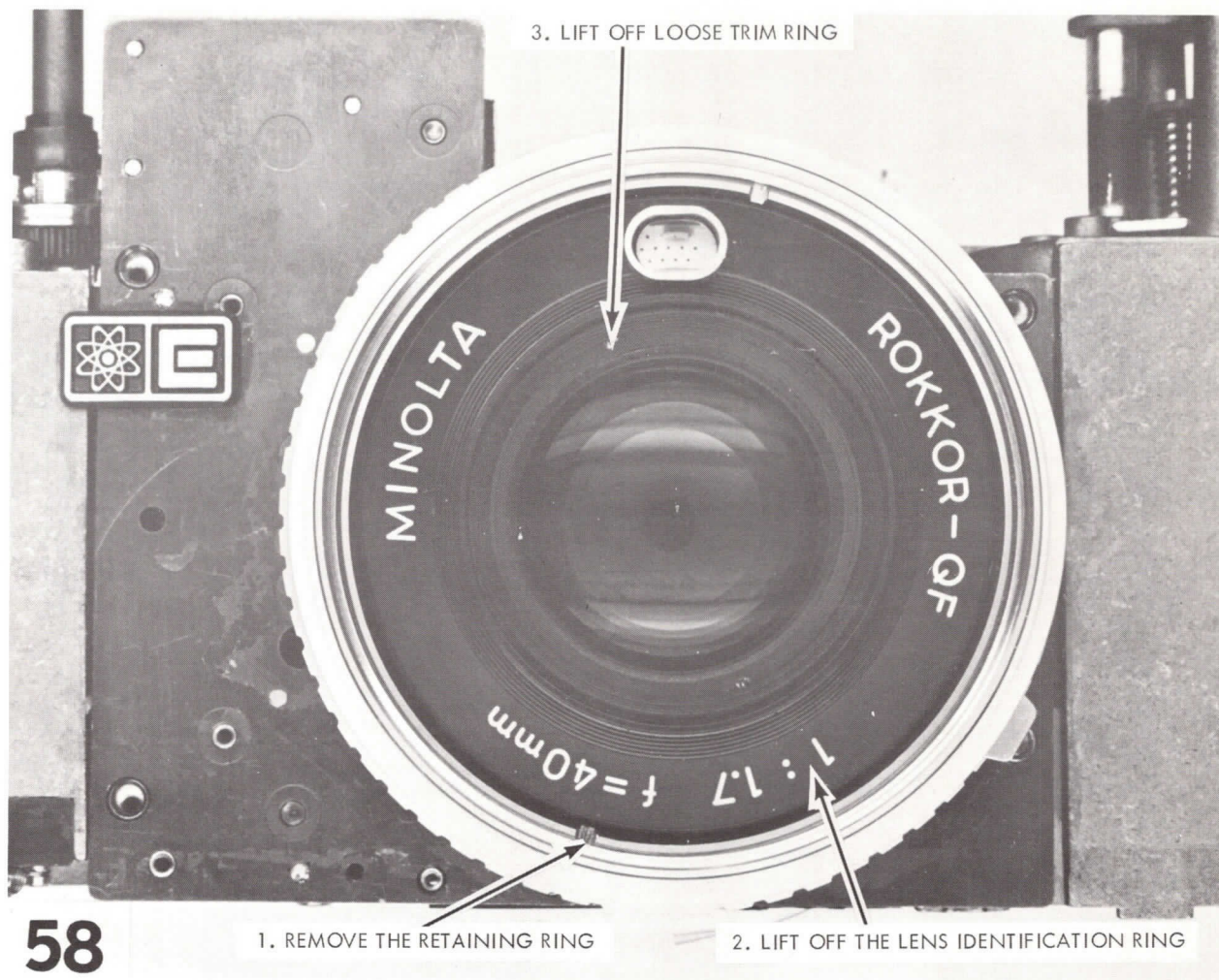


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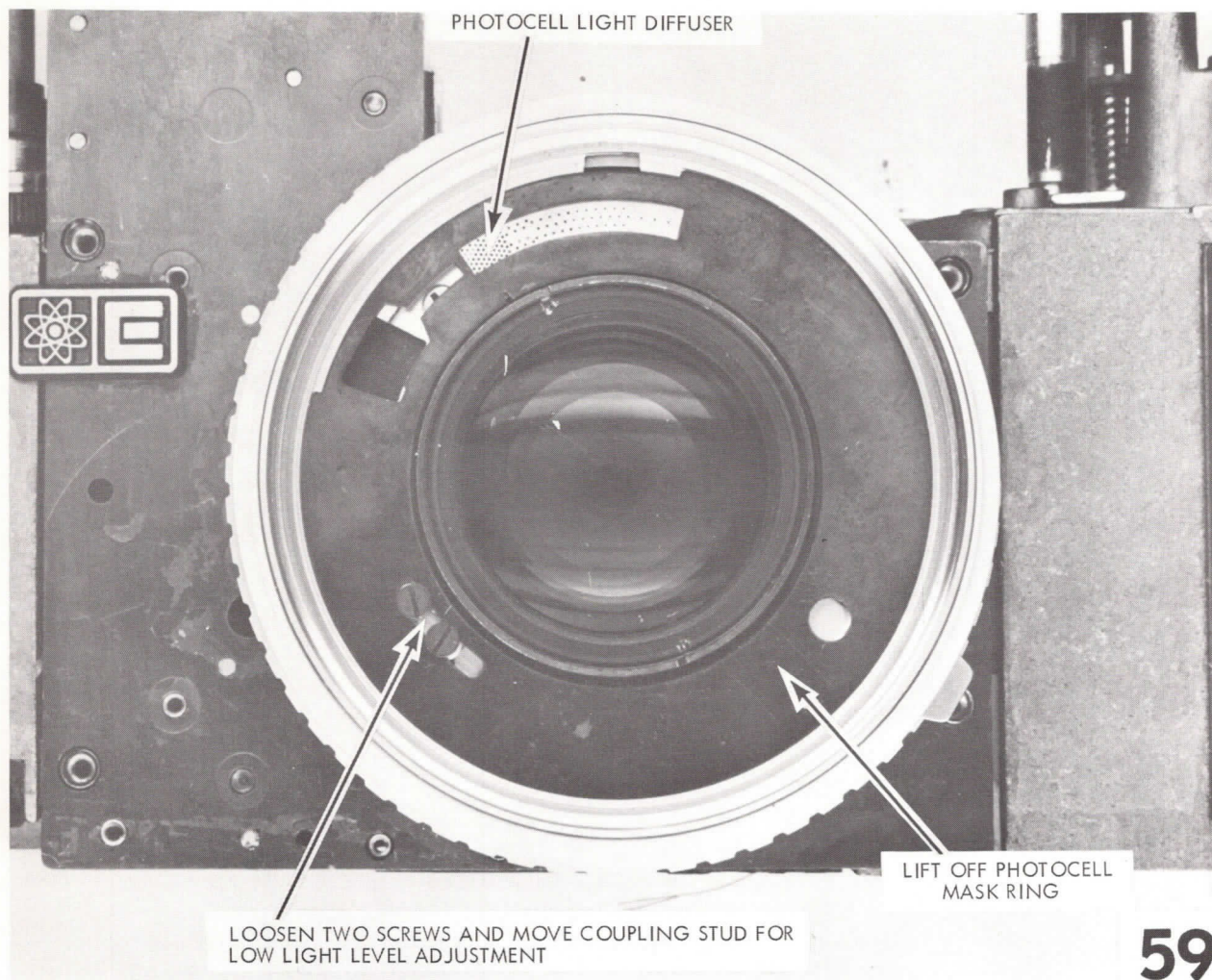


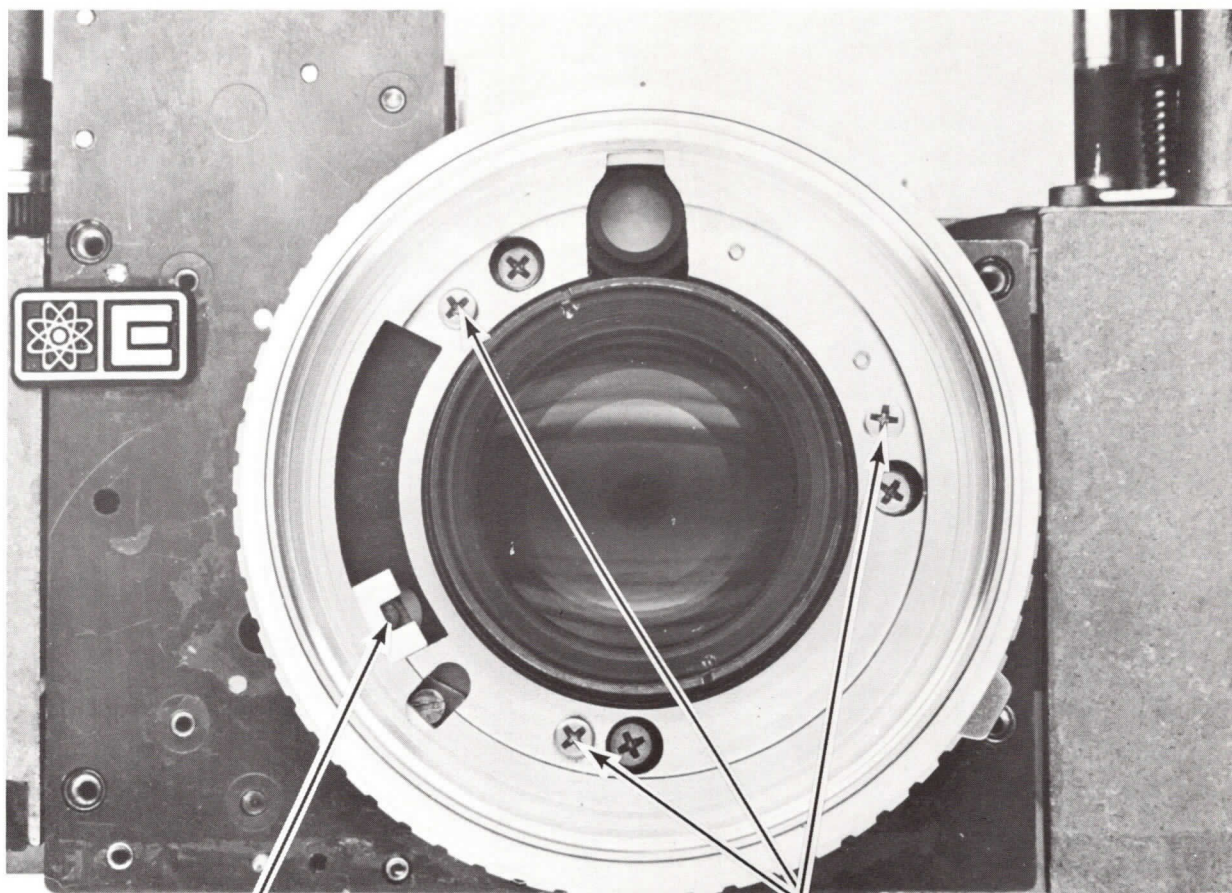










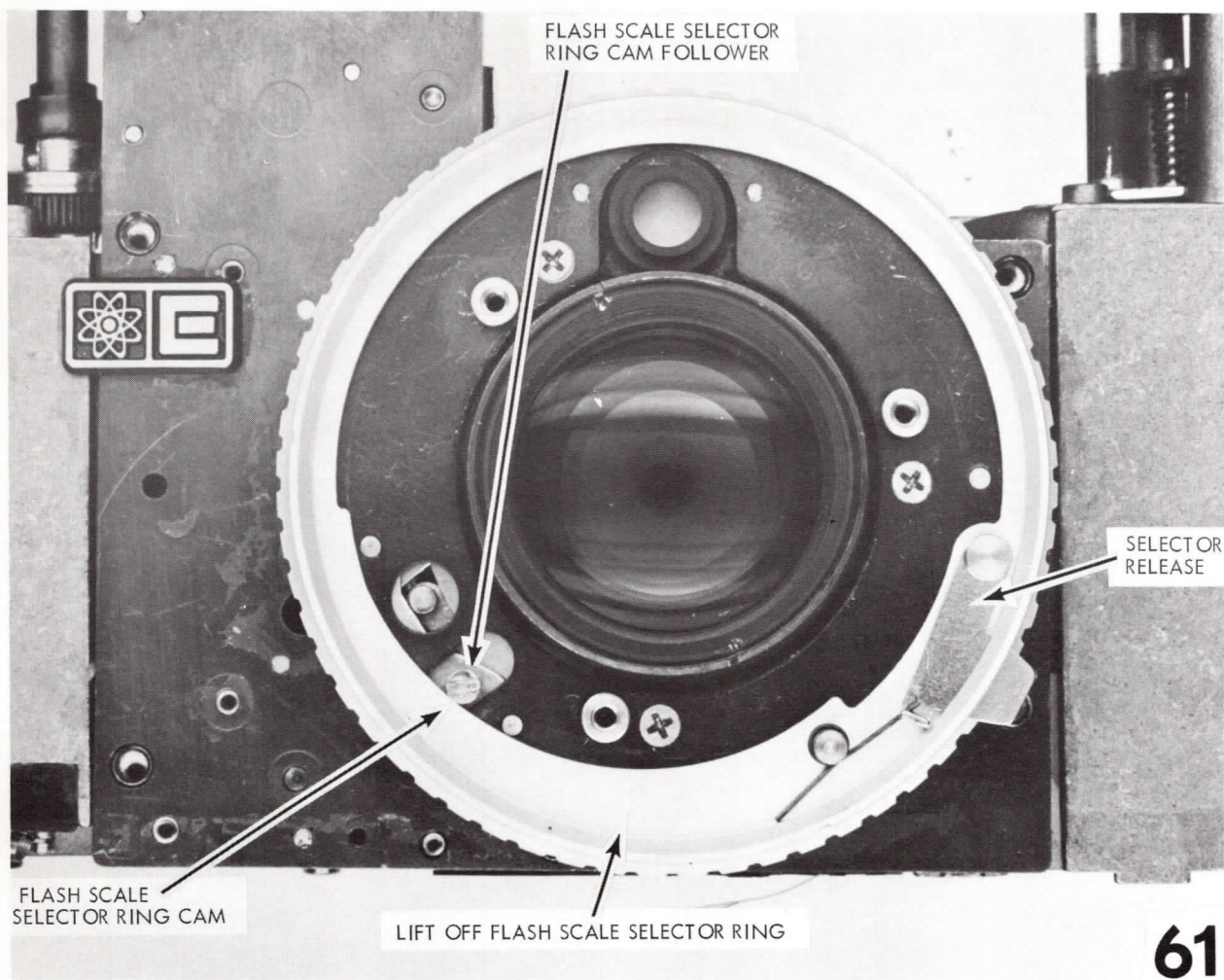


**60**

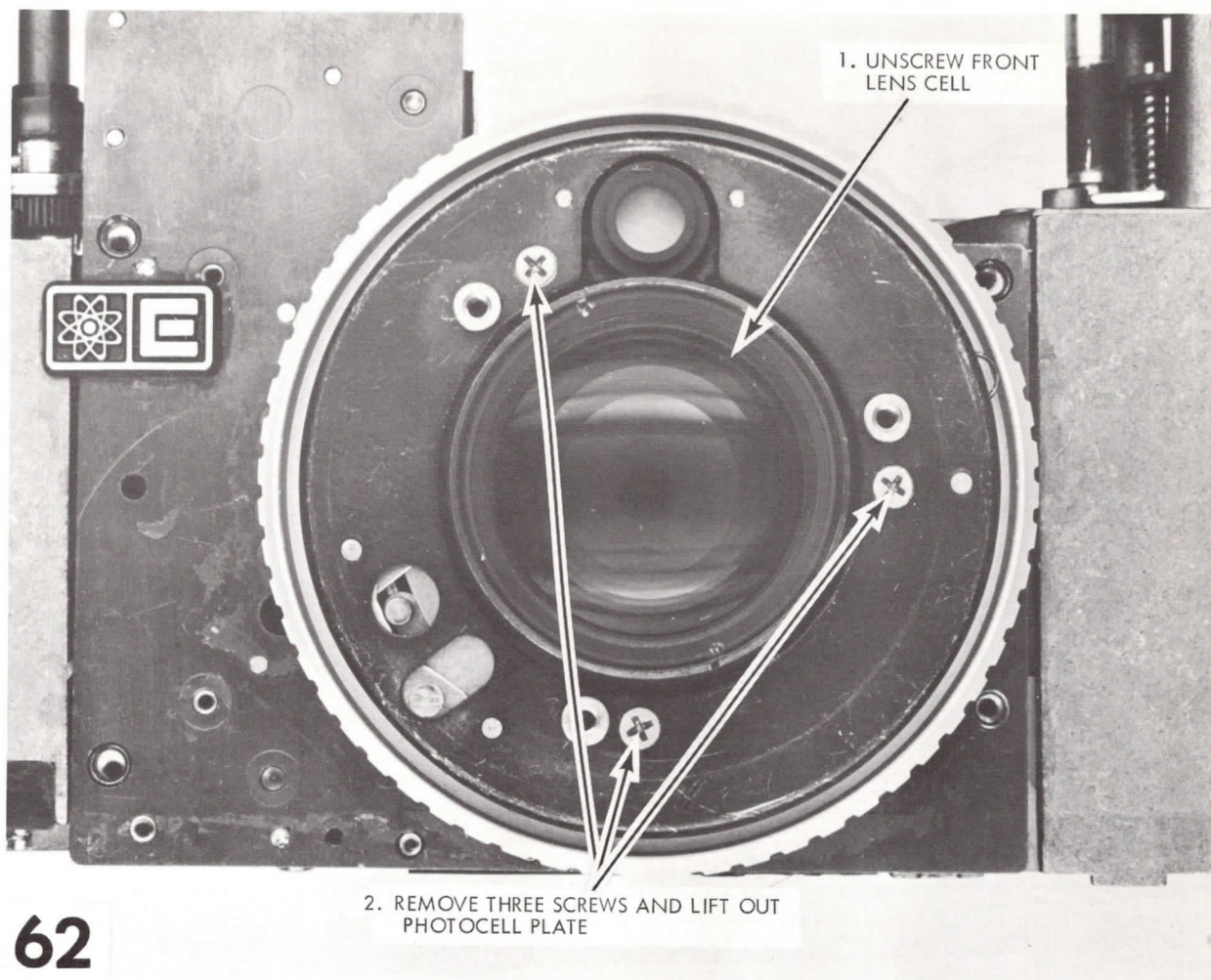
STUD ON PHOTOCELL MASK RING FITS IN THIS  
FORK ON FILM SPEED SETTING RING

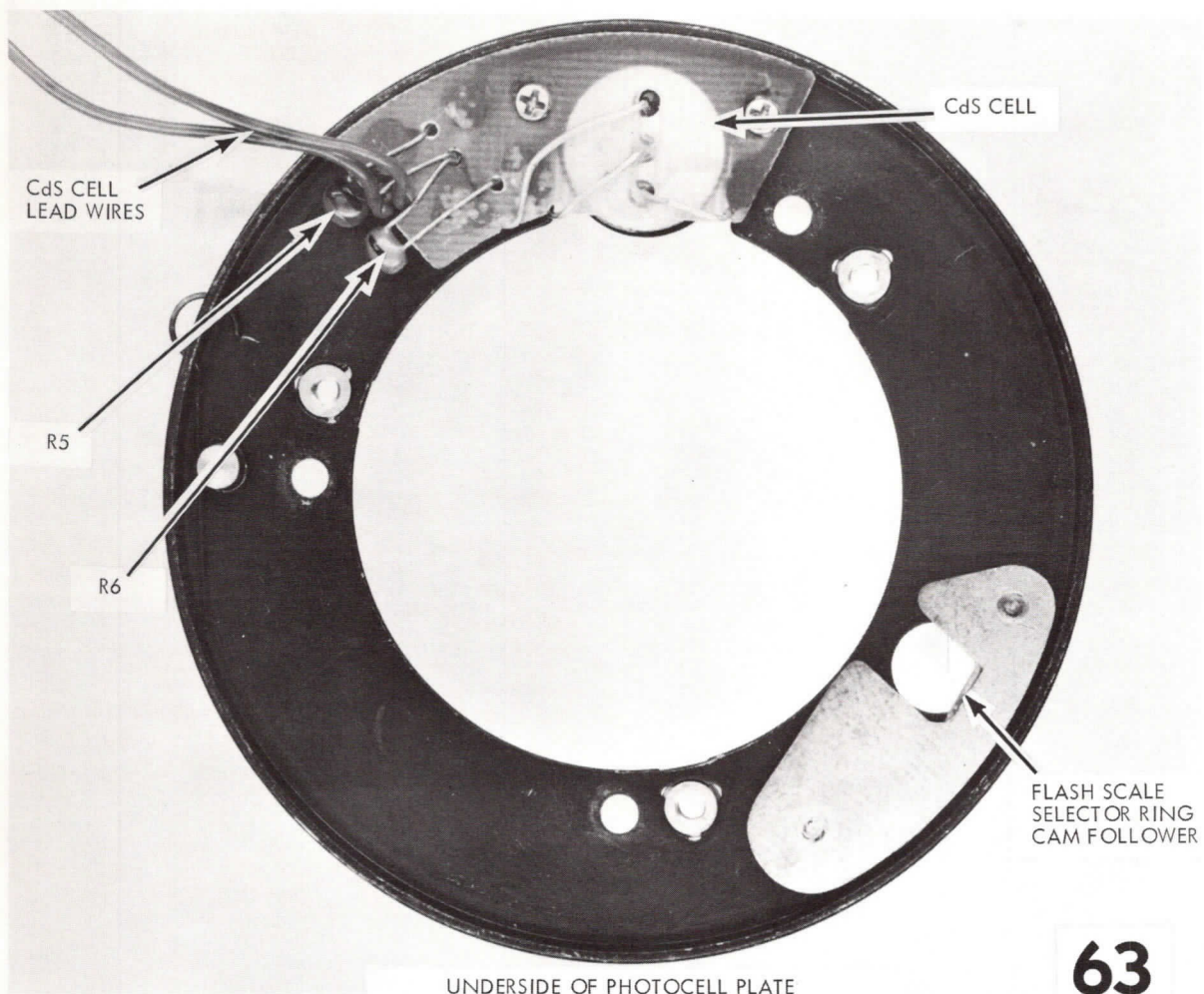
REMOVE THREE SCREWS AND LIFT OUT FILM SPEED SETTING RING  
AND FILTER MOUNTING RING AS ONE UNIT





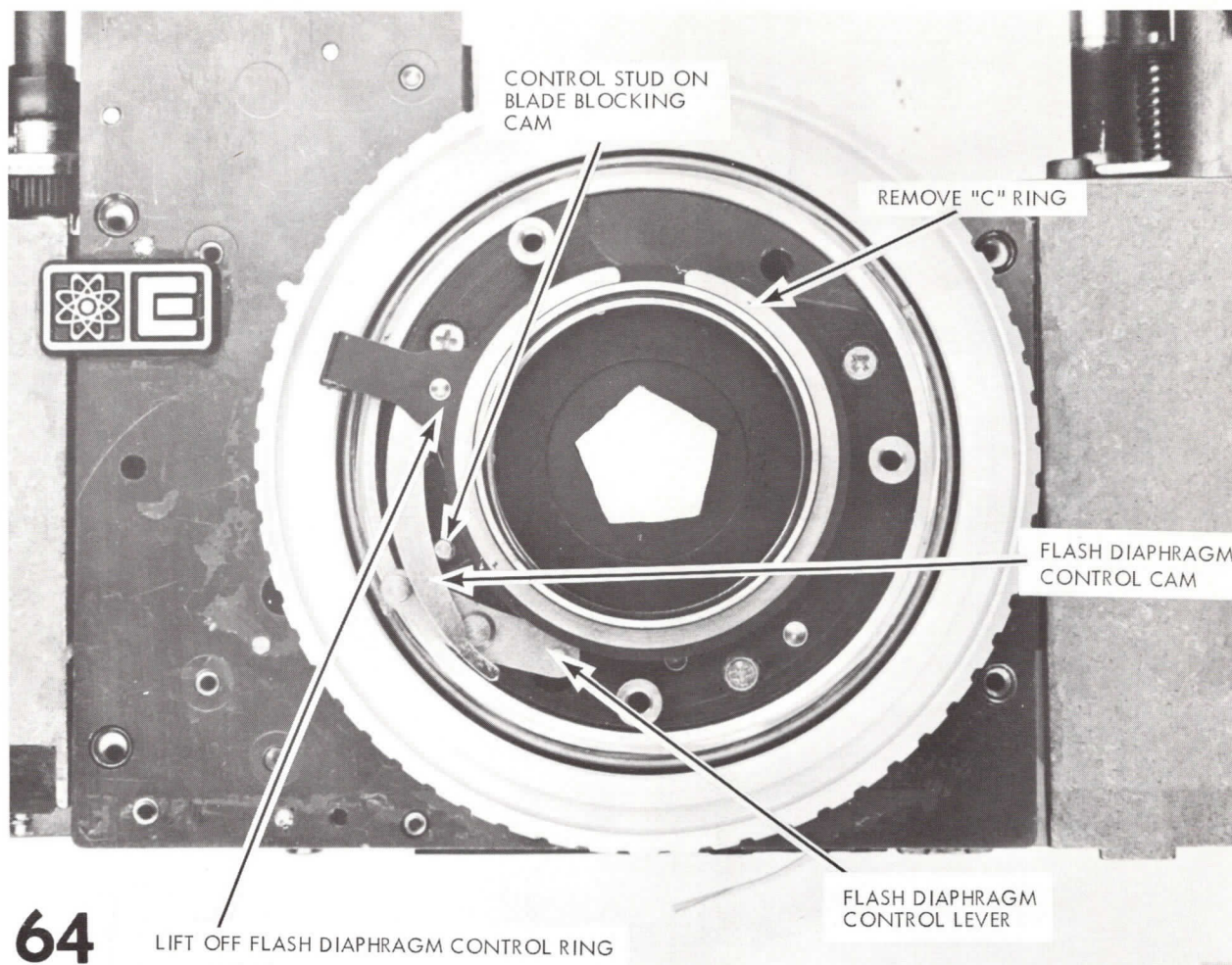






UNDERSIDE OF PHOTOCELL PLATE





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LIFT OFF FLASH DIAPHRAGM CONTROL RING

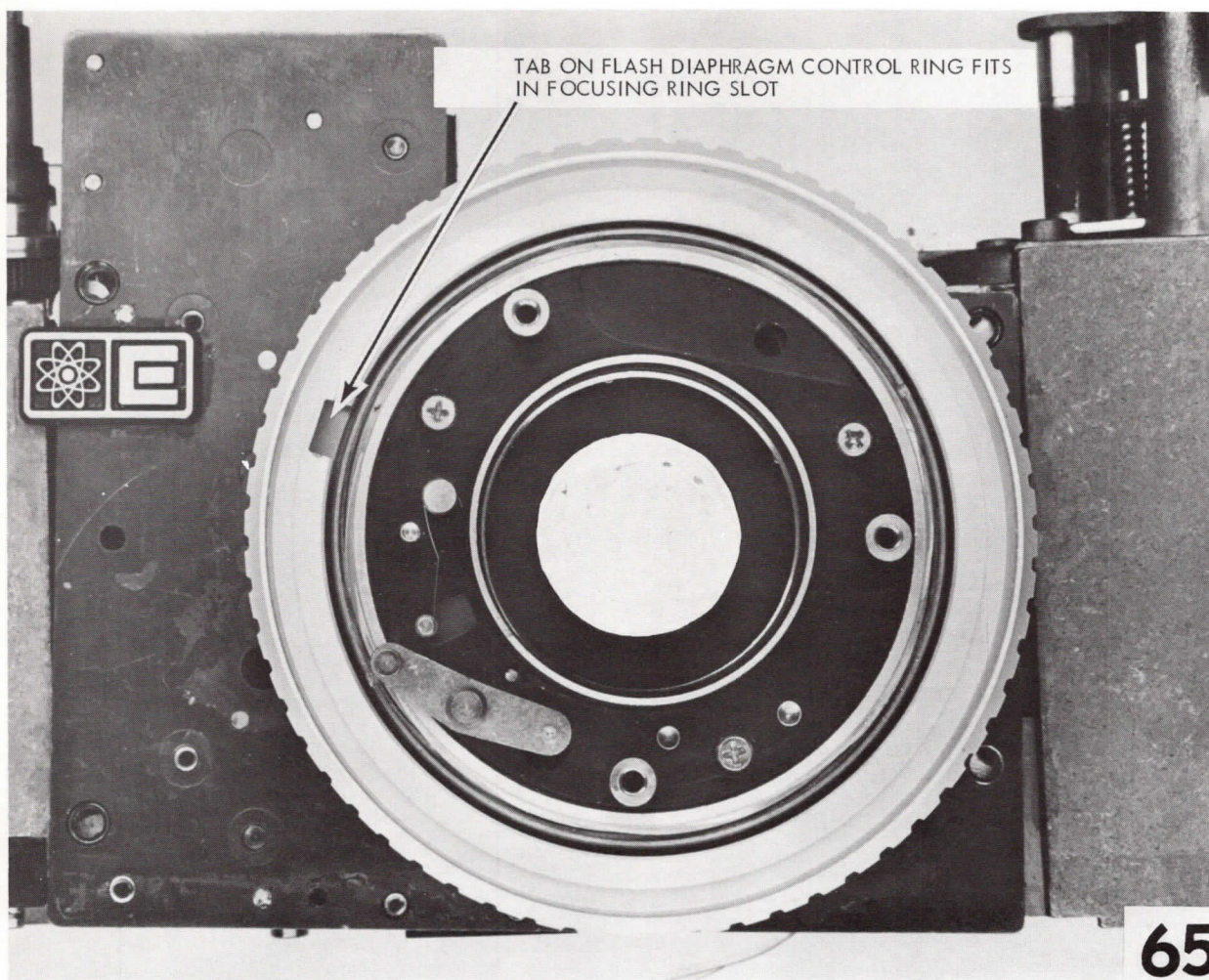
CONTROL STUD ON  
BLADE BLOCKING  
CAM

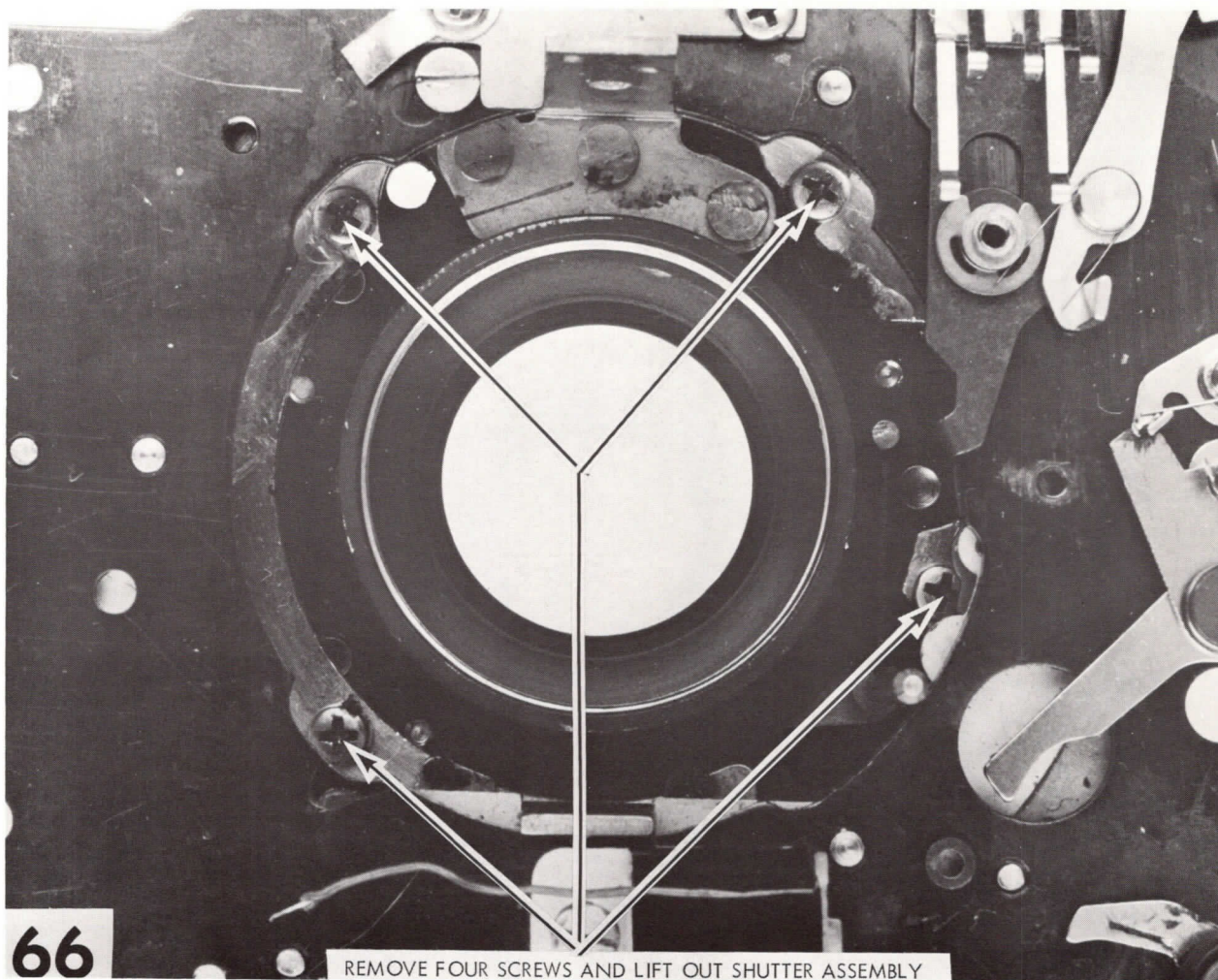
REMOVE "C" RING

FLASH DIAPHRAGM  
CONTROL CAM

FLASH DIAPHRAGM  
CONTROL LEVER



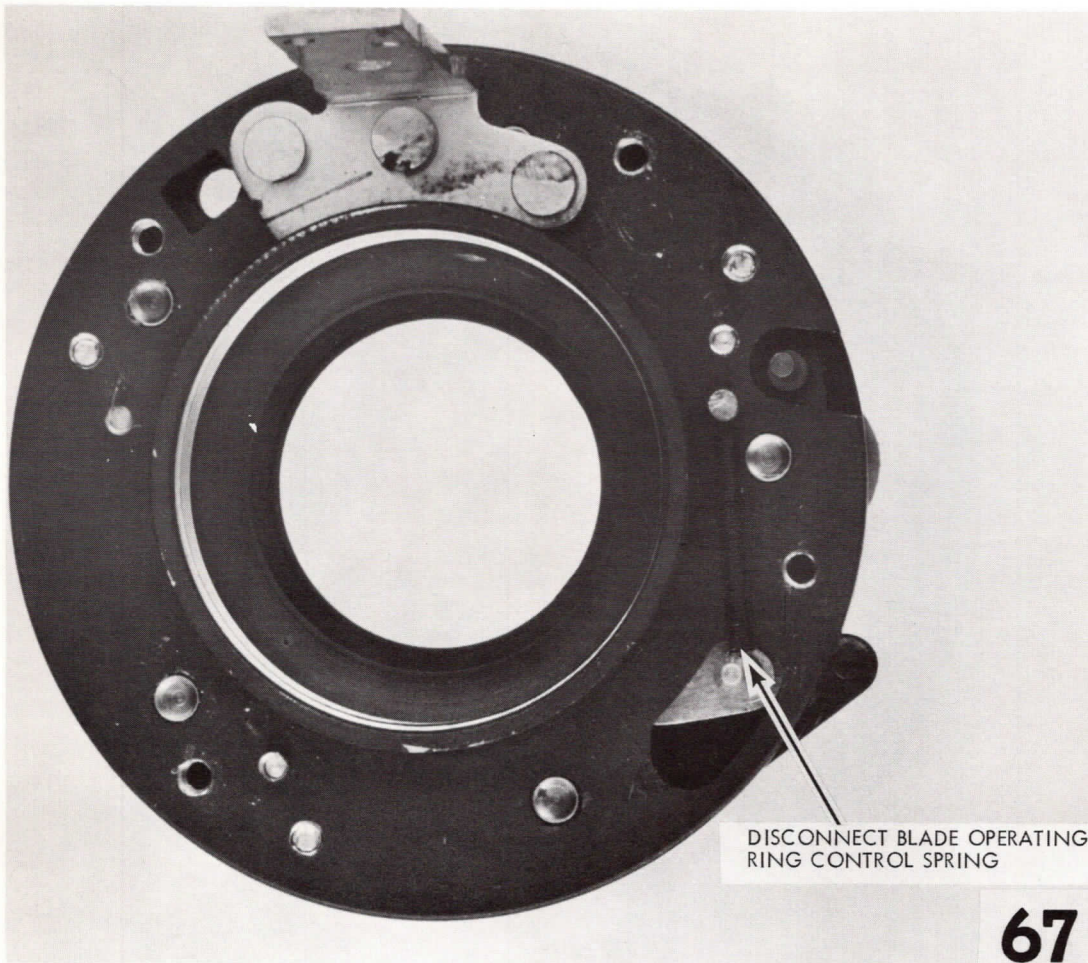




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REMOVE FOUR SCREWS AND LIFT OUT SHUTTER ASSEMBLY



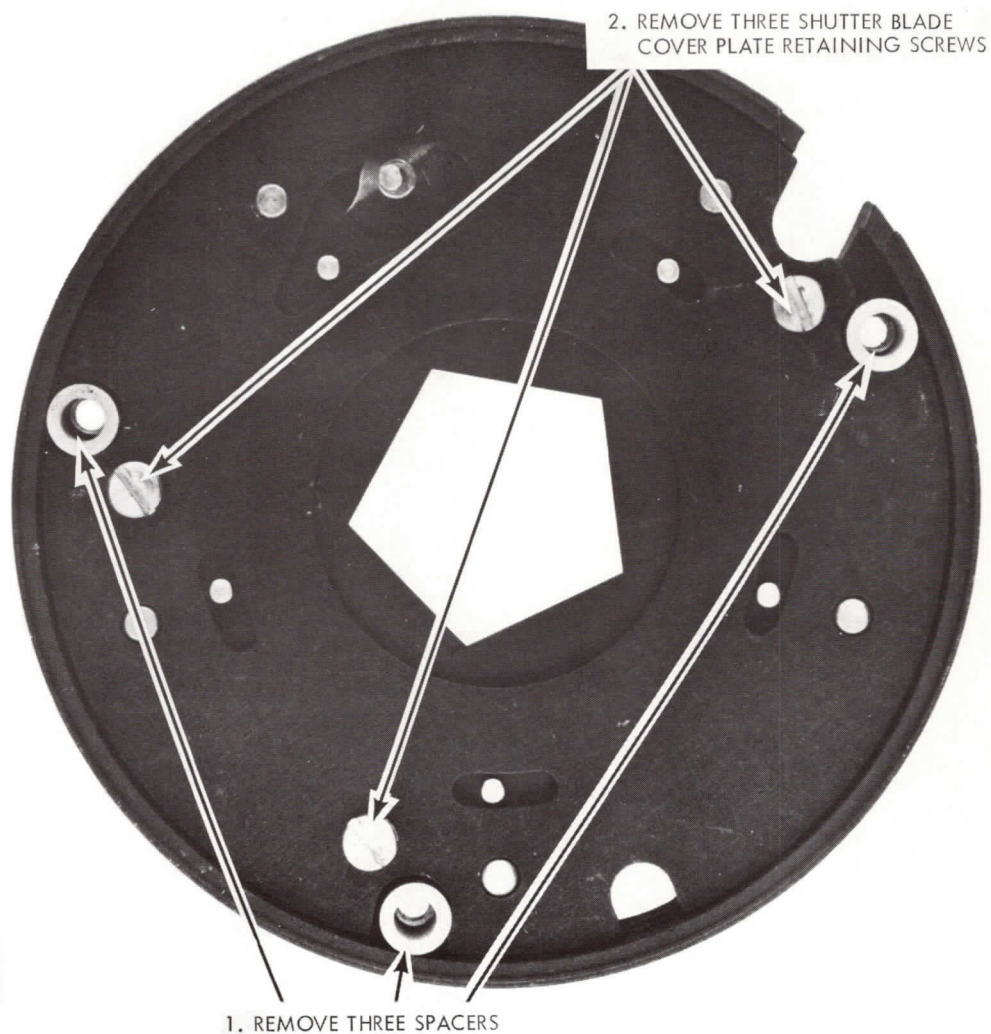


DISCONNECT BLADE OPERATING  
RING CONTROL SPRING

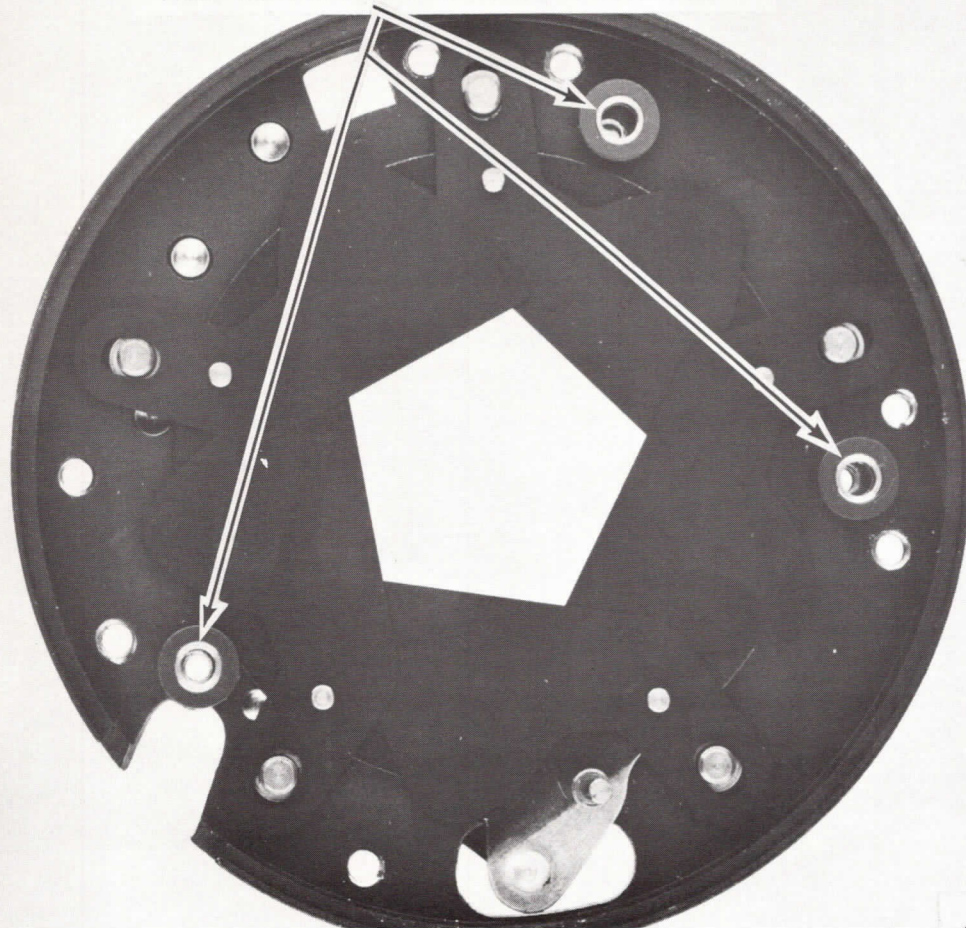
**67**



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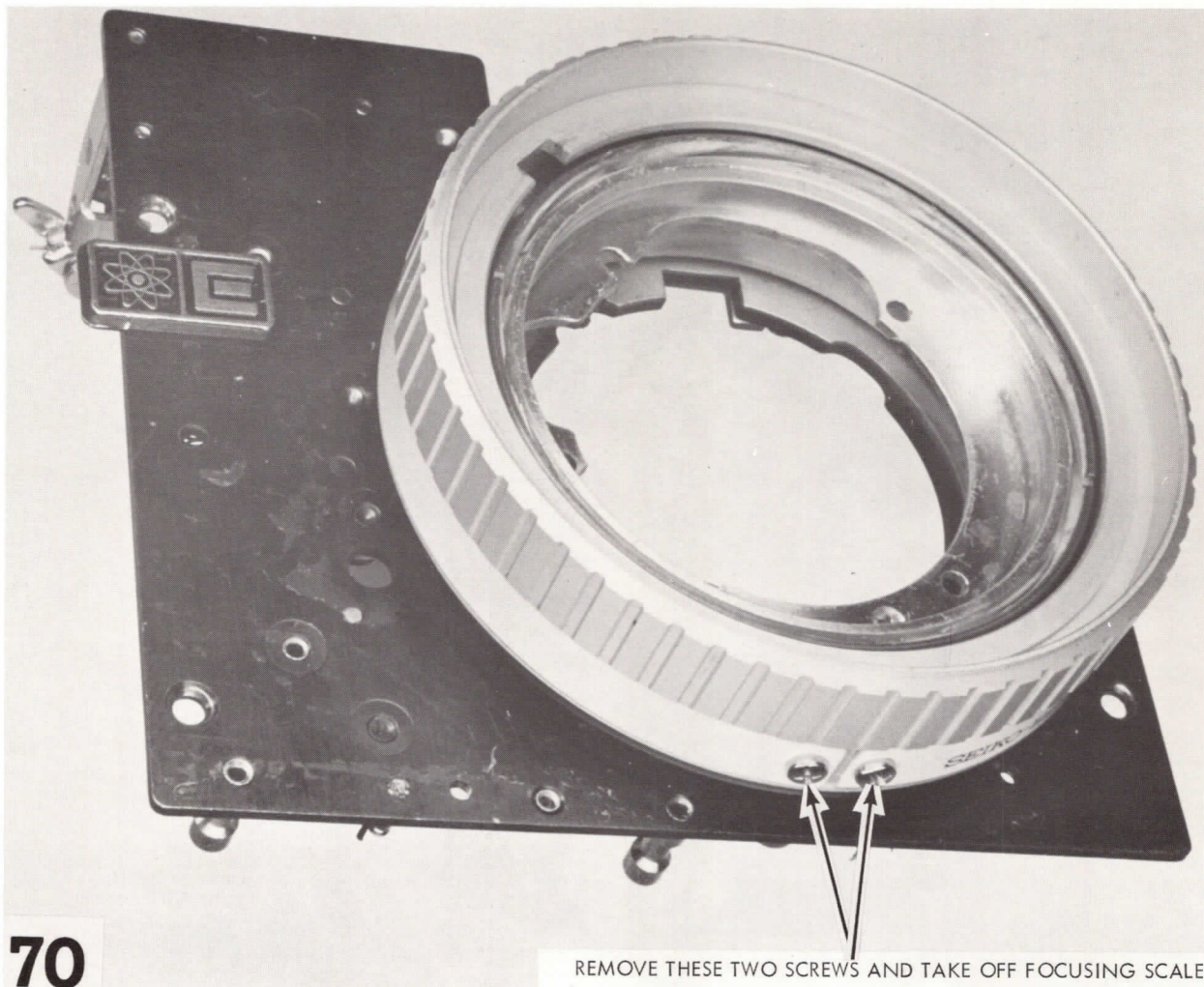


NOTE POSITION OF THREE SPACERS -- REMOVE SPACERS



THE SHUTTER BLADES AND BLADE OPERATING RING CAN NOW BE REMOVED FOR CLEANING

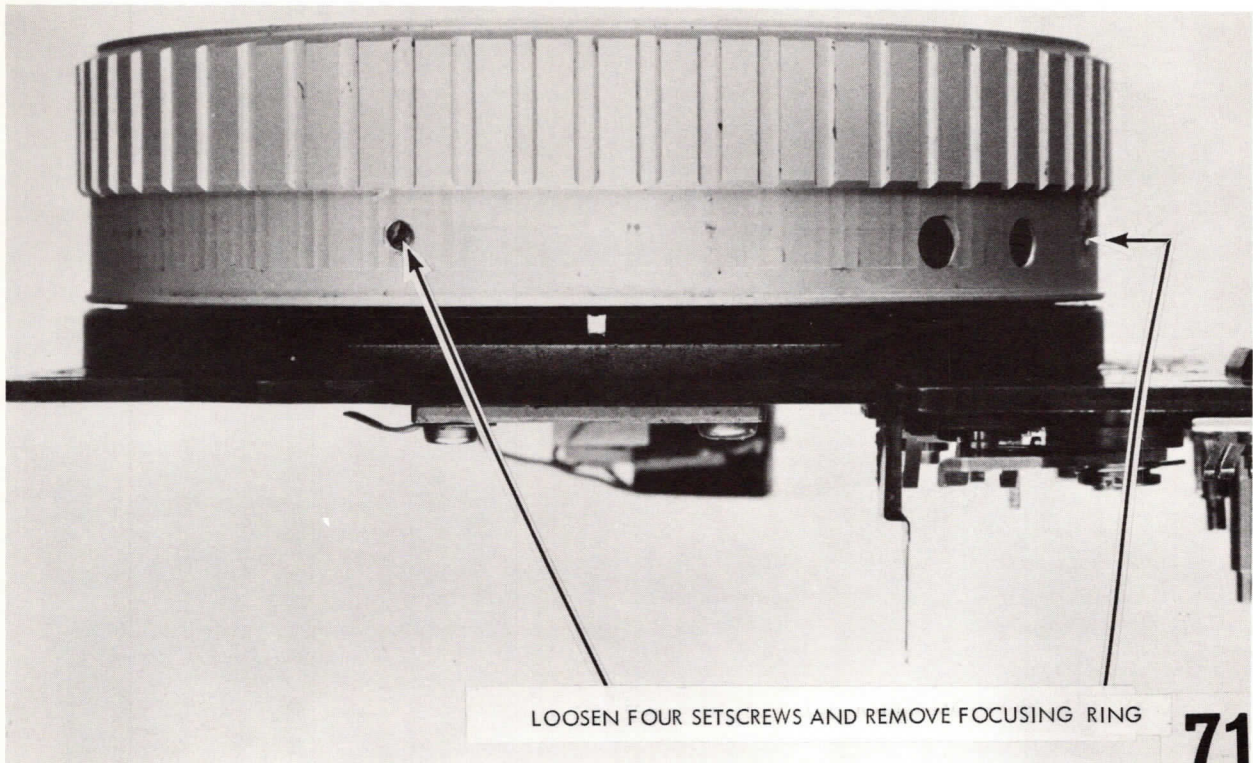
**69**



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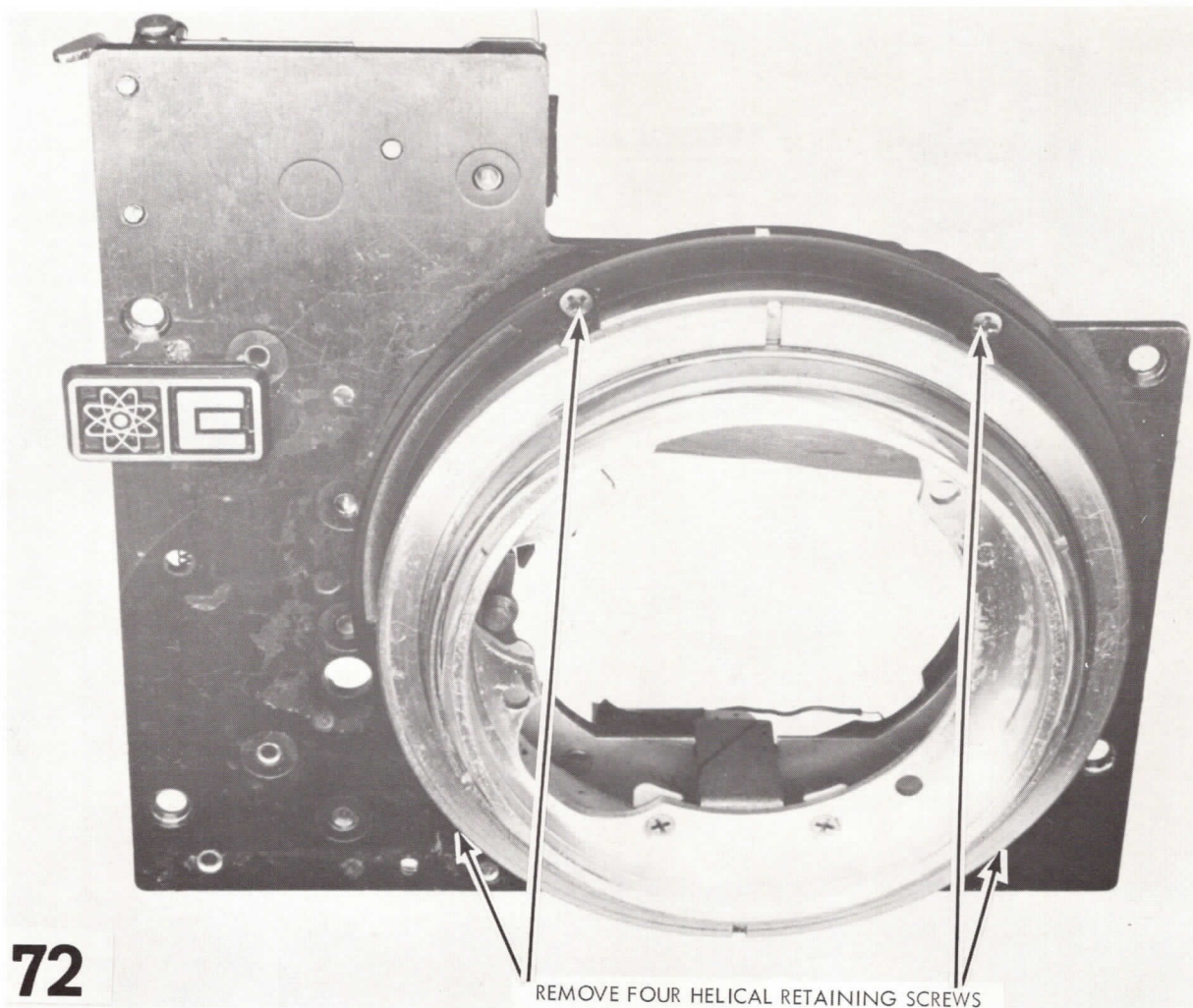
REMOVE THESE TWO SCREWS AND TAKE OFF FOCUSING SCALE





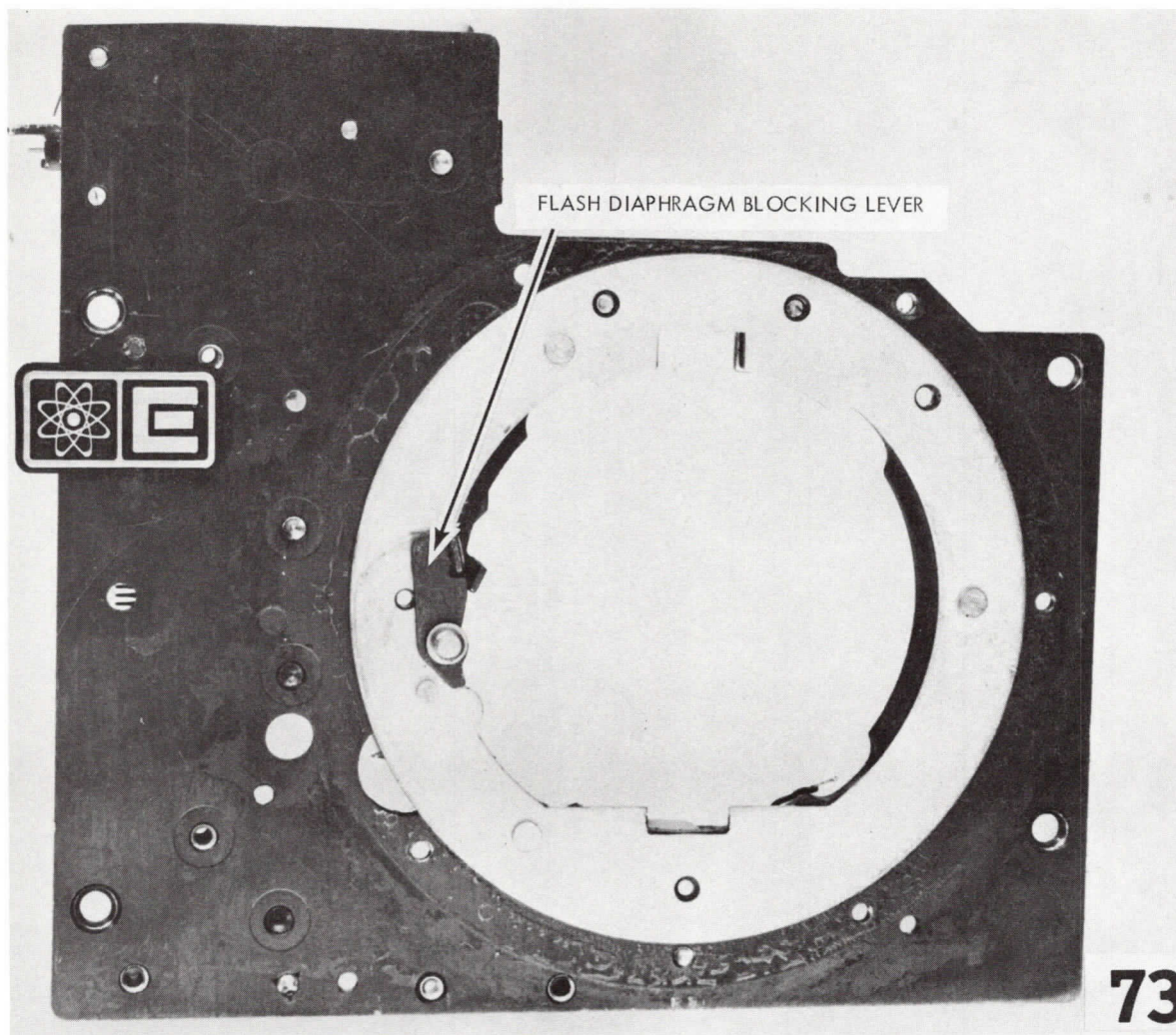
LOOSEN FOUR SETSCREWS AND REMOVE FOCUSING RING

71



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REMOVE FOUR HELICAL RETAINING SCREWS



FLASH DIAPHRAGM BLOCKING LEVER