

minolta

HI-MATIC E

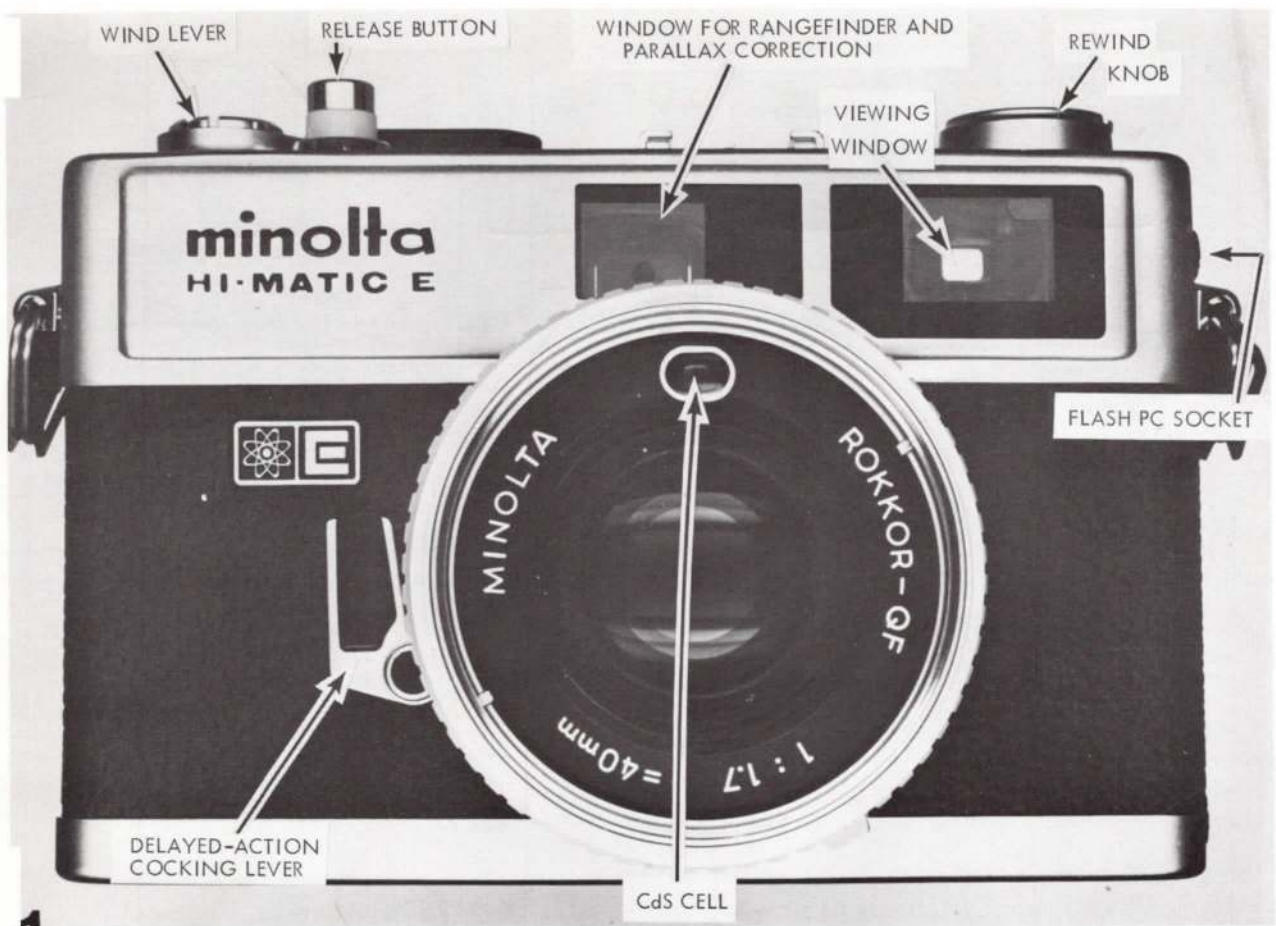


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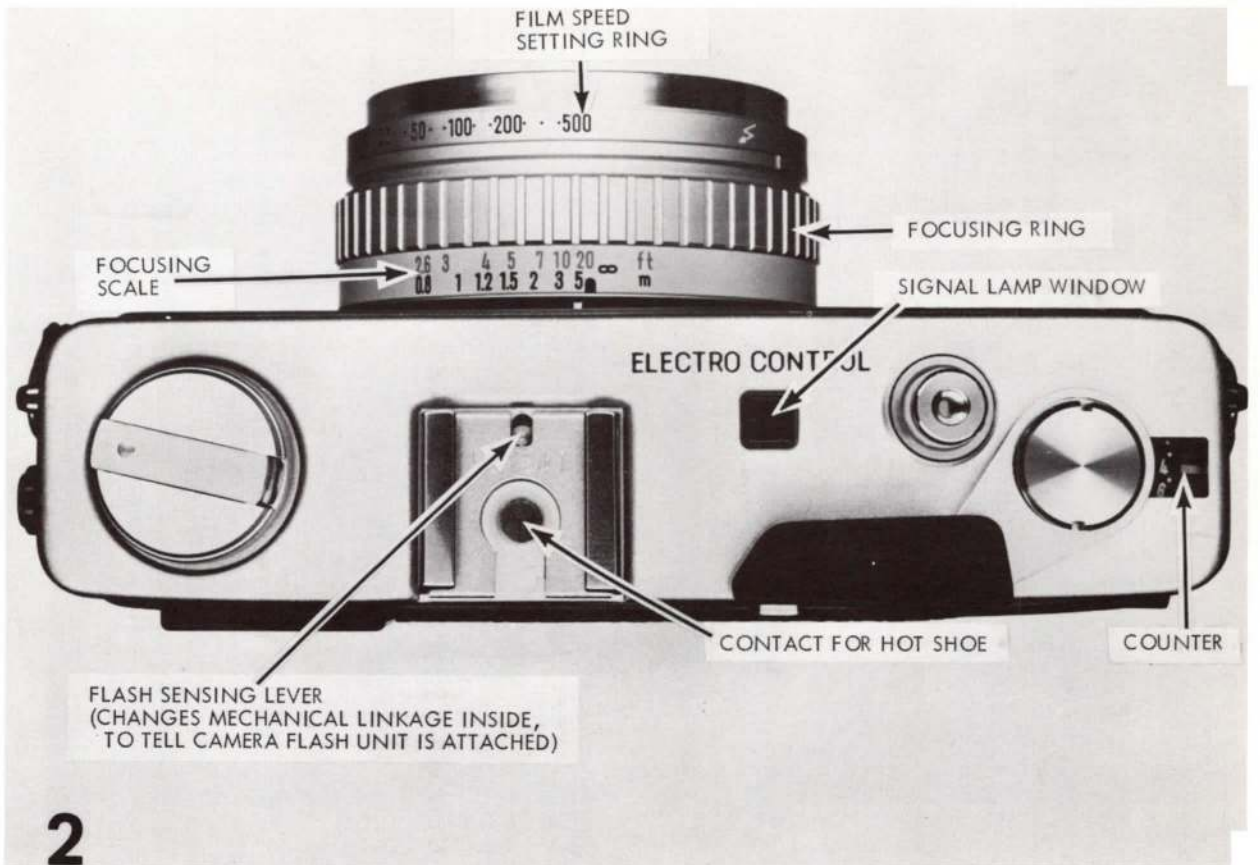
National Camera
Technical Training Division
Englewood, Colorado, 80110 U.S.A.

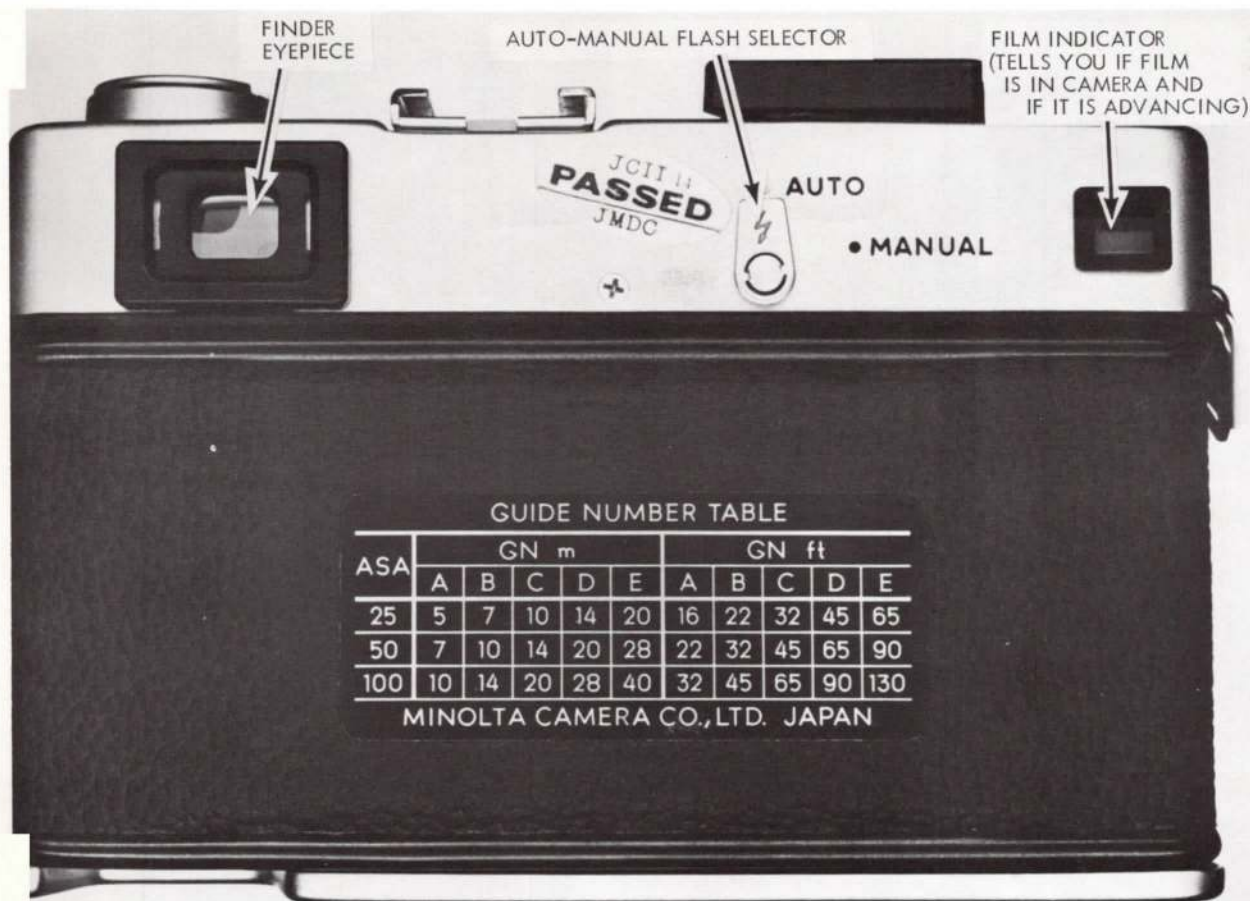


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1





FINDER EYEPIECE

AUTO-MANUAL FLASH SELECTOR

FILM INDICATOR (TELLS YOU IF FILM IS IN CAMERA AND IF IT IS ADVANCING)

JCII 11
PASSED
JMDC

AUTO

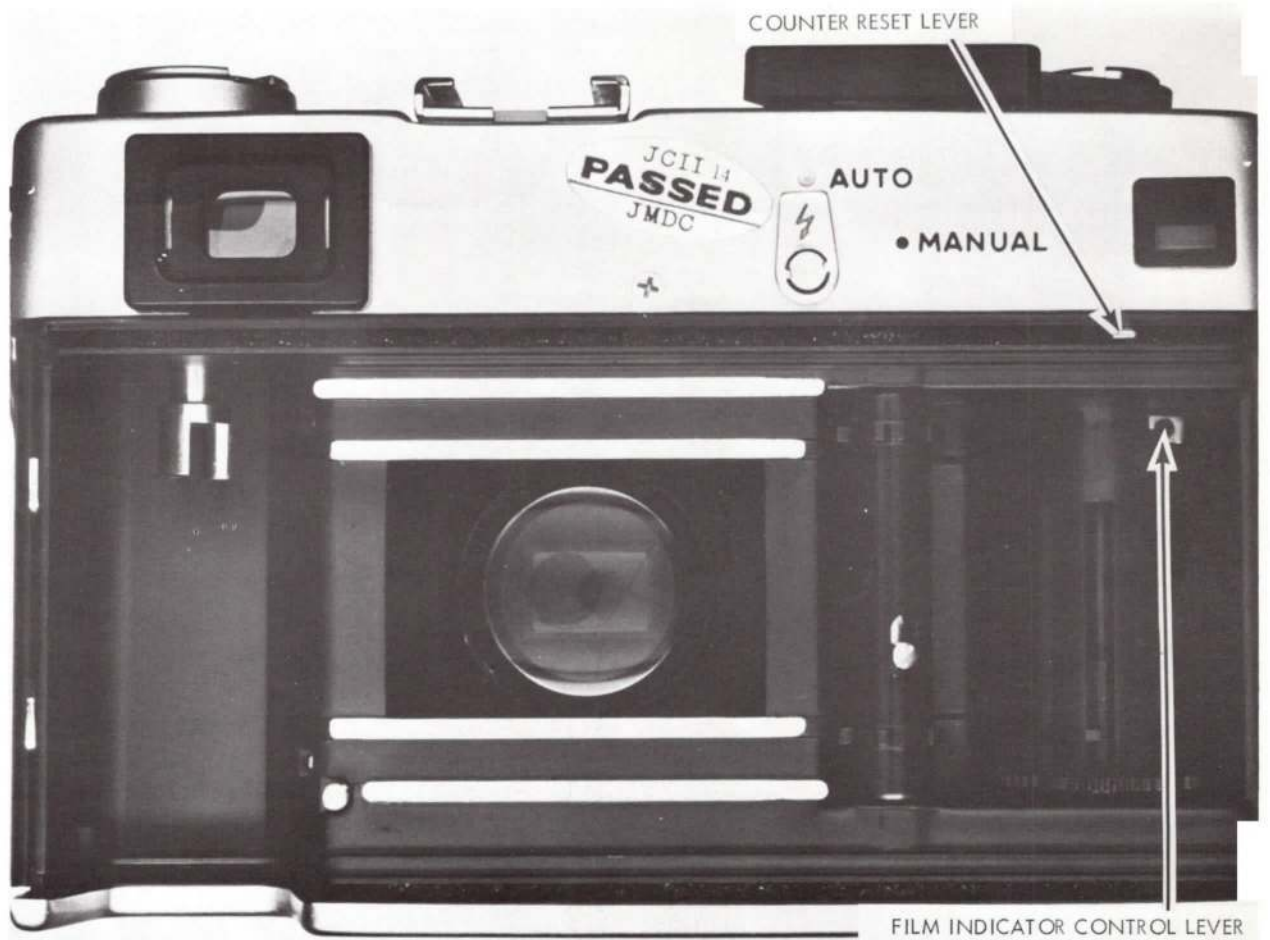
• MANUAL

GUIDE NUMBER TABLE

ASA	GN m					GN ft				
	A	B	C	D	E	A	B	C	D	E
25	5	7	10	14	20	16	22	32	45	65
50	7	10	14	20	28	22	32	45	65	90
100	10	14	20	28	40	32	45	65	90	130

MINOLTA CAMERA CO., LTD. JAPAN

PULL UP REWIND KNOB TO OPEN CAMERA BACK



COUNTER RESET LEVER

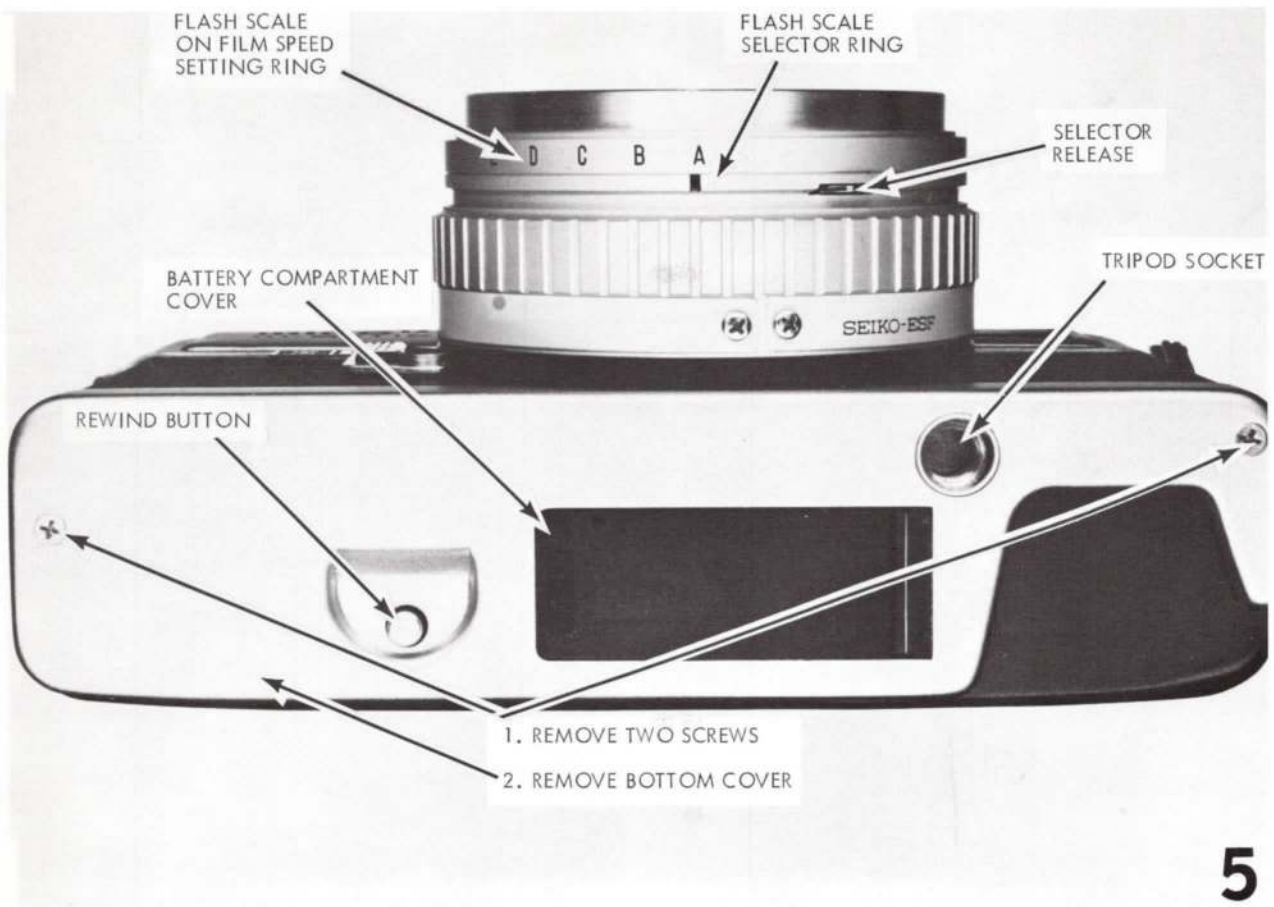
JCII 14
PASSED
JMDC

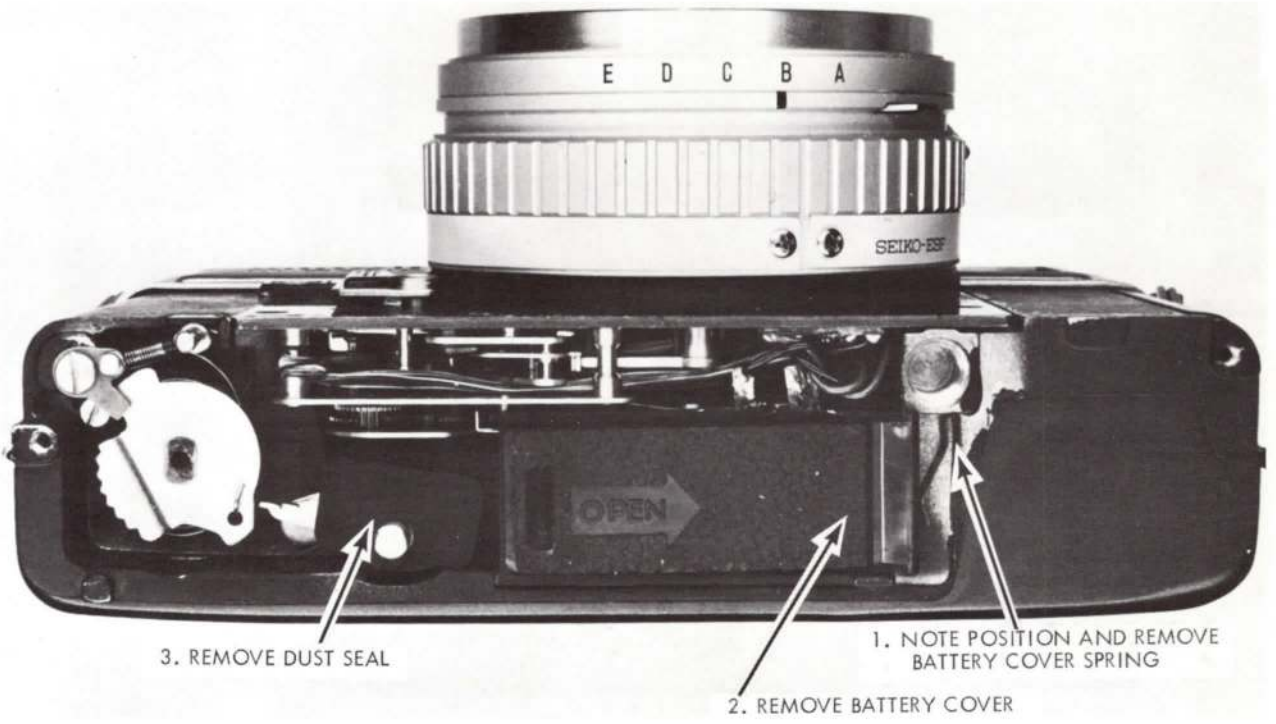
AUTO

• MANUAL

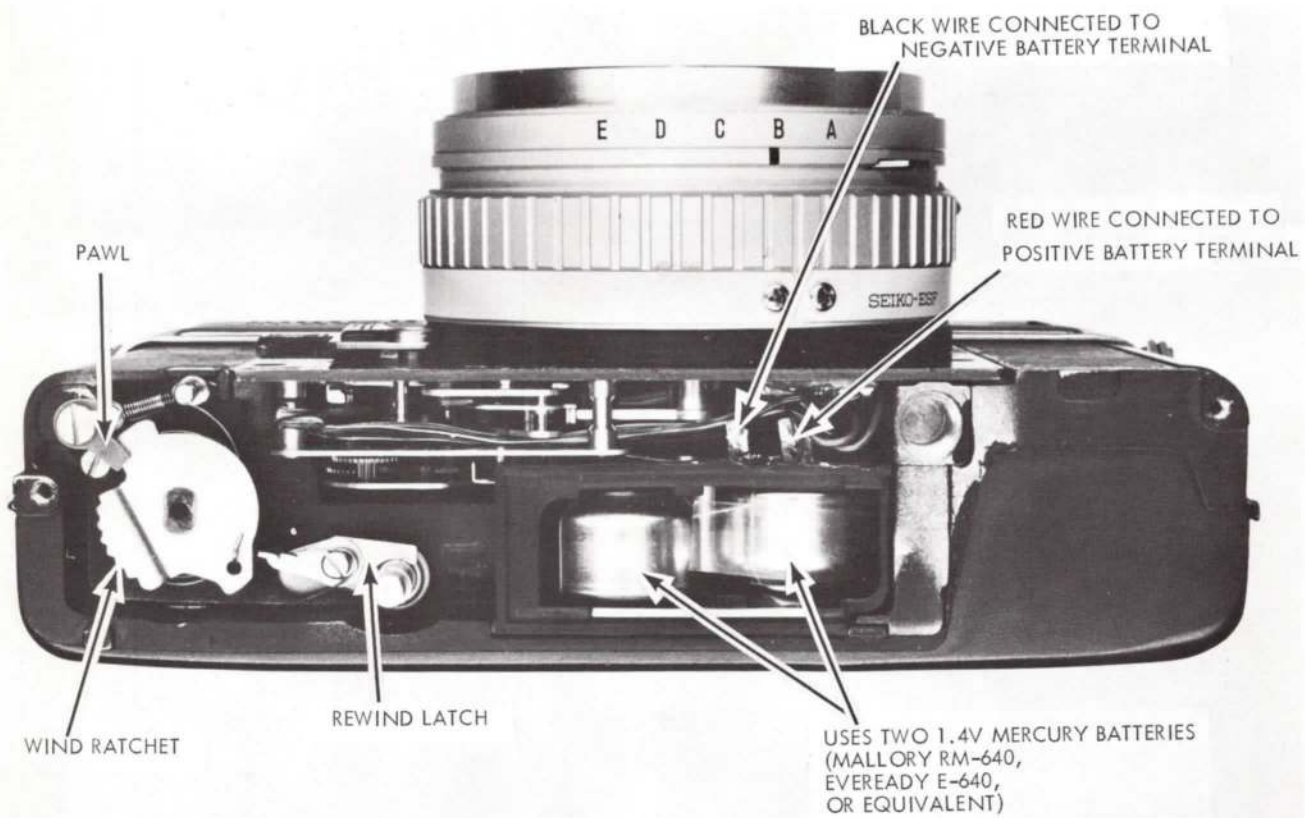
FILM INDICATOR CONTROL LEVER

4

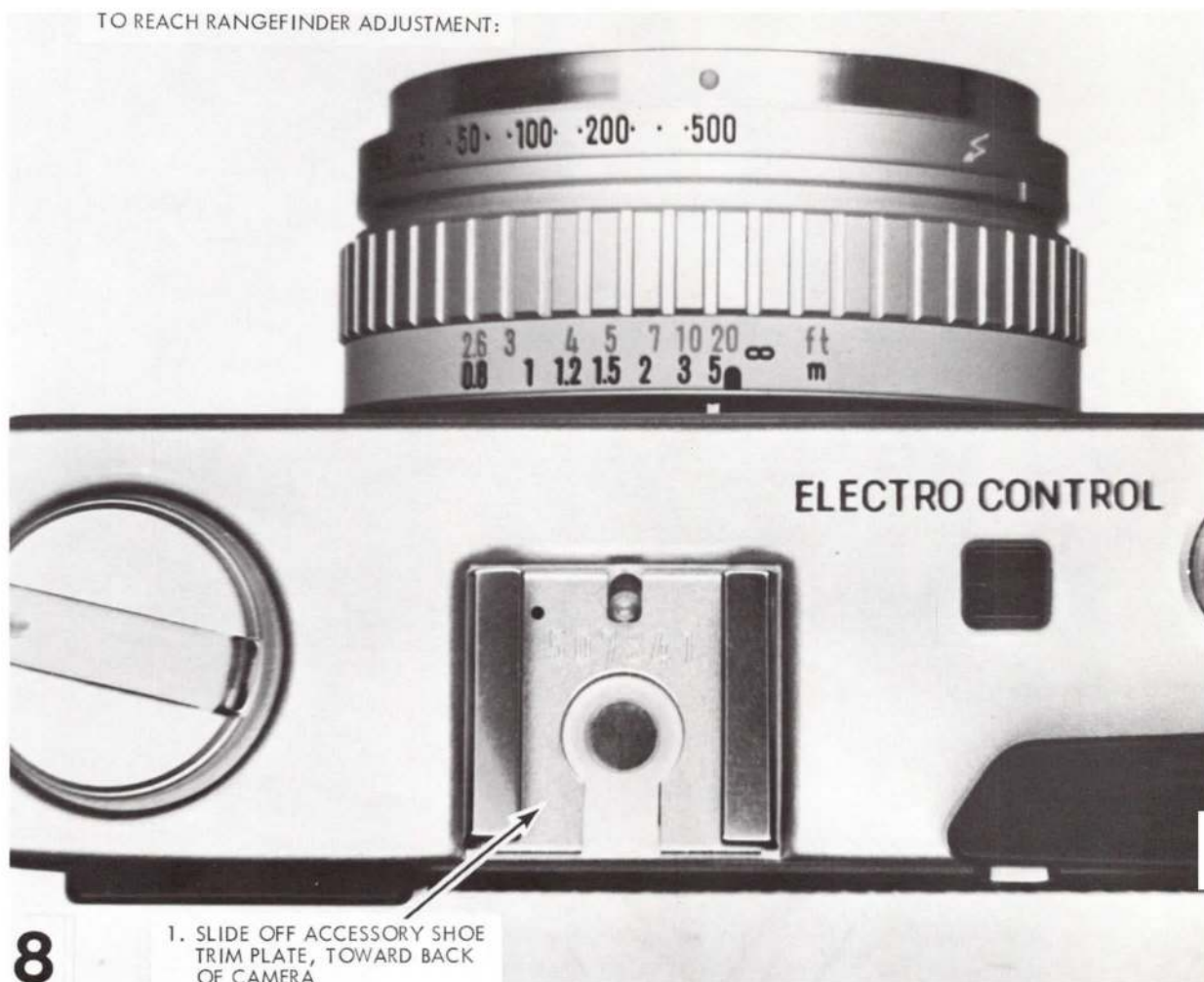


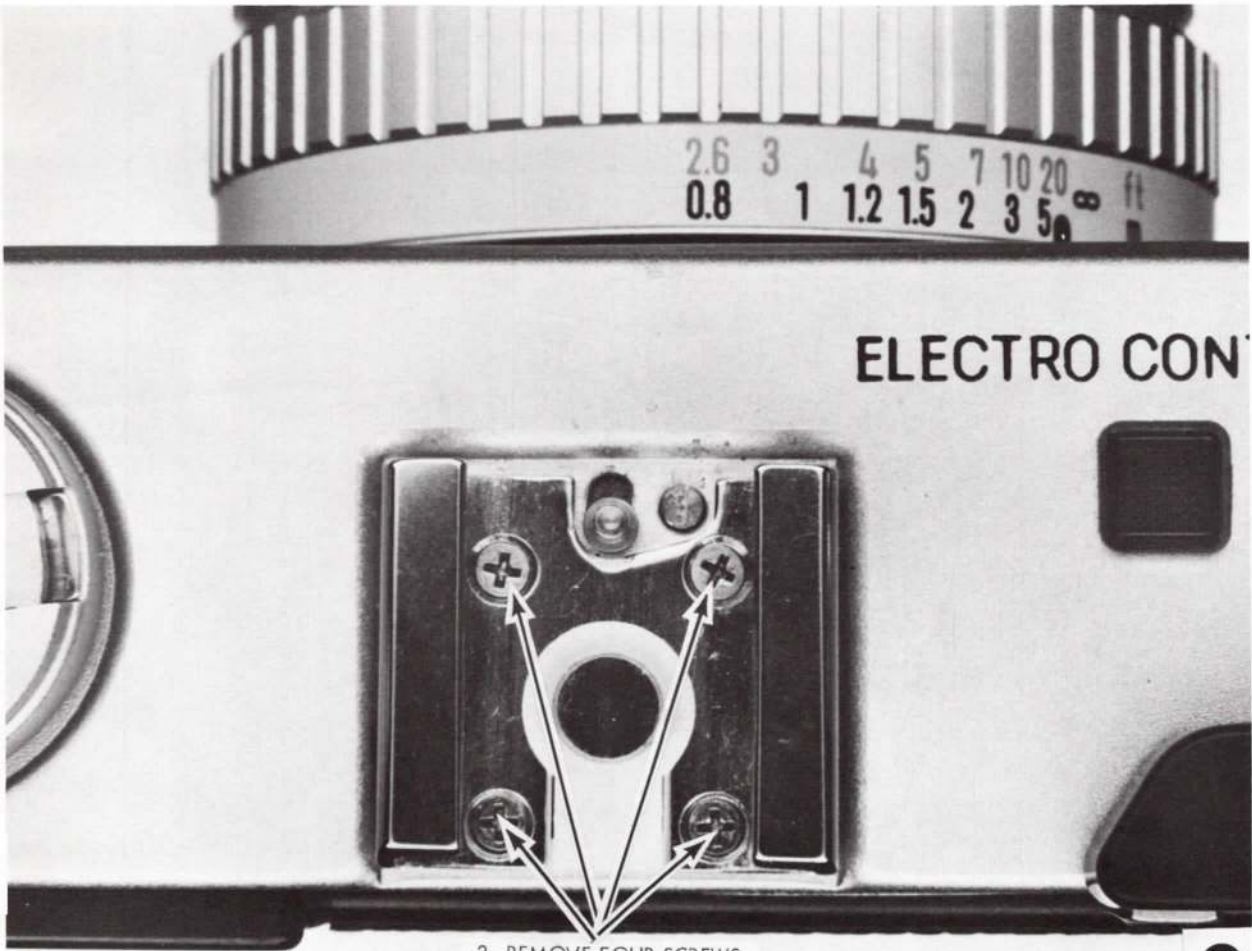


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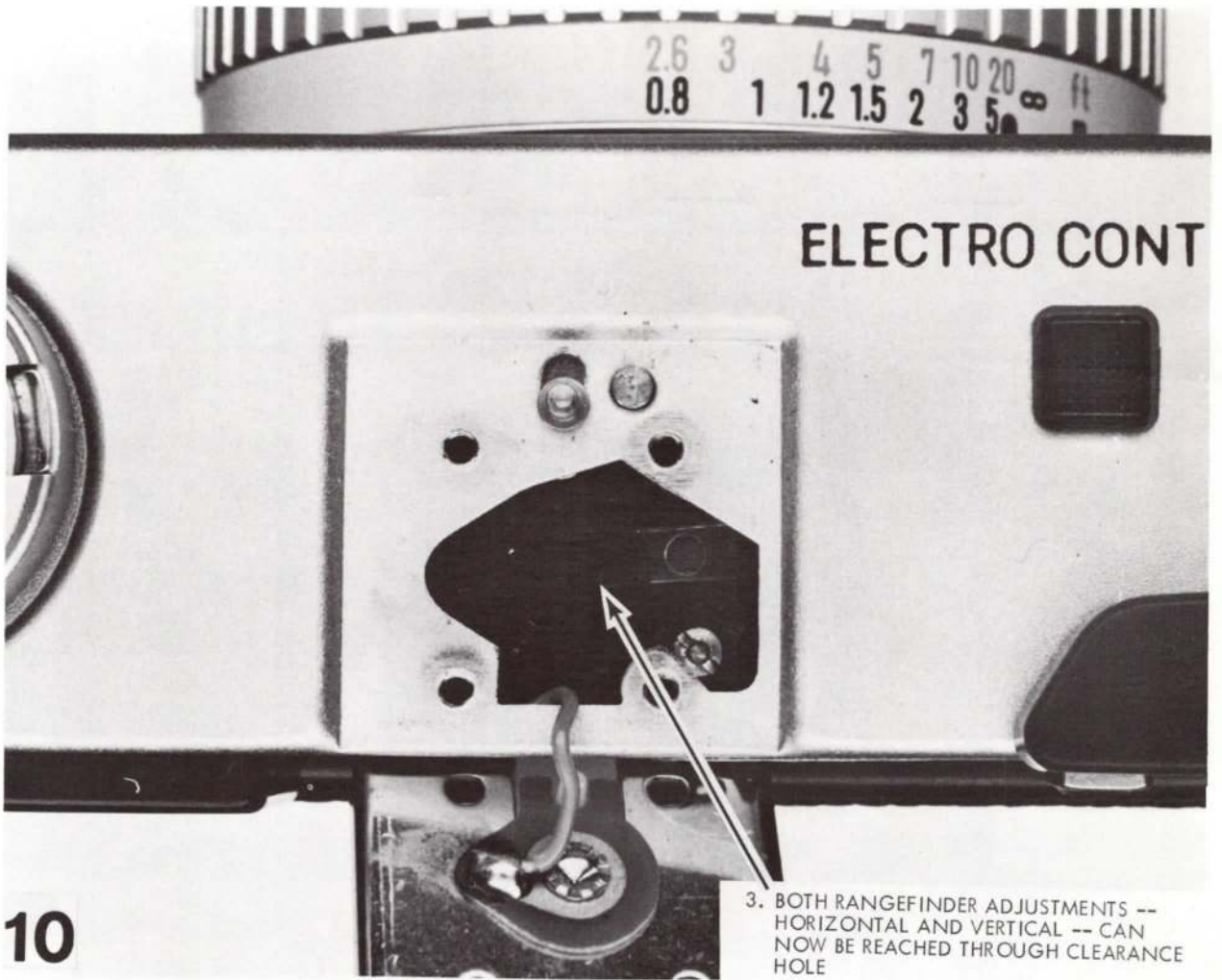


TO REACH RANGEFINDER ADJUSTMENT:





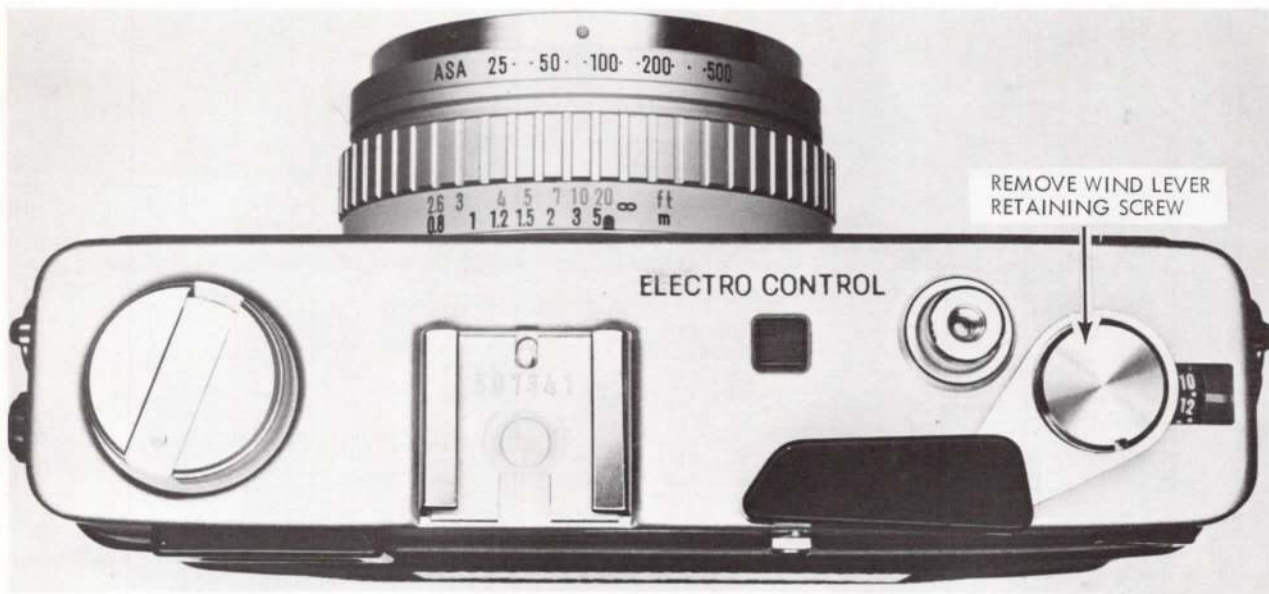
2. REMOVE FOUR SCREWS
AND LIFT ASIDE
ACCESSORY SHOE

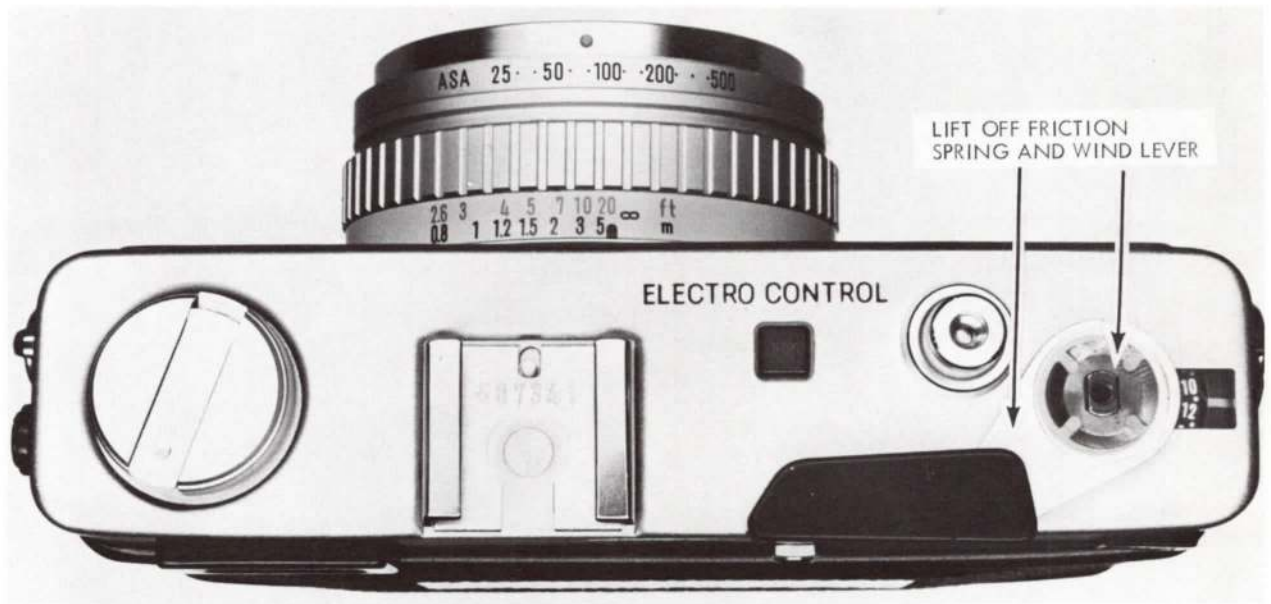


ELECTRO CONT

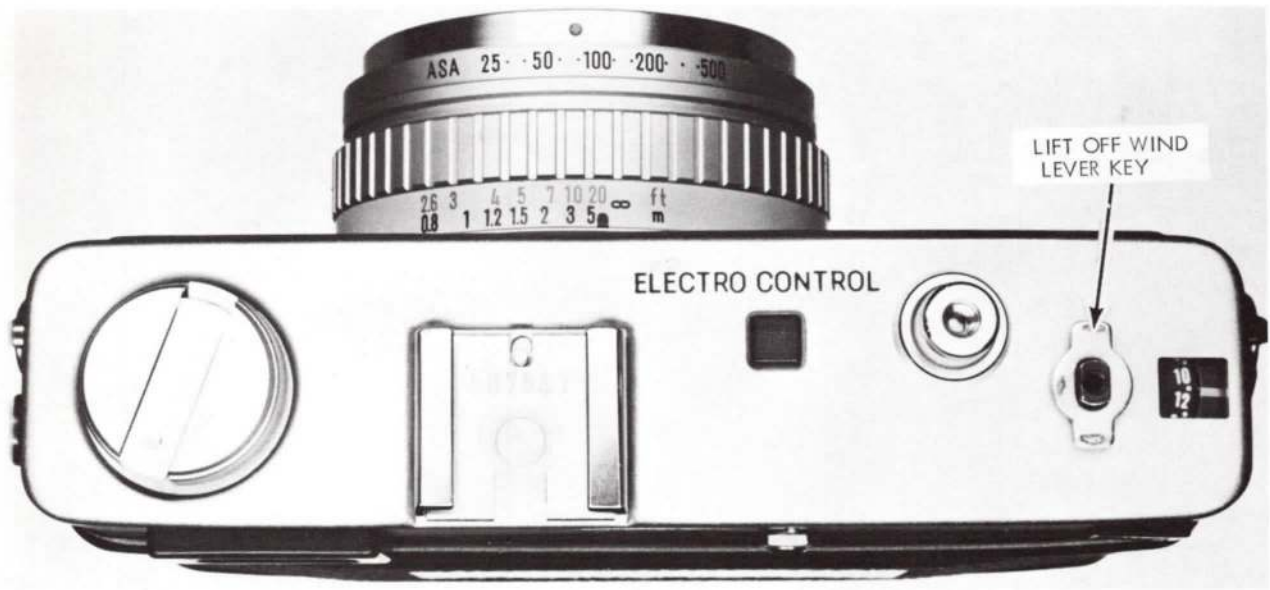
10

3. BOTH RANGEFINDER ADJUSTMENTS --
HORIZONTAL AND VERTICAL -- CAN
NOW BE REACHED THROUGH CLEARANCE
HOLE

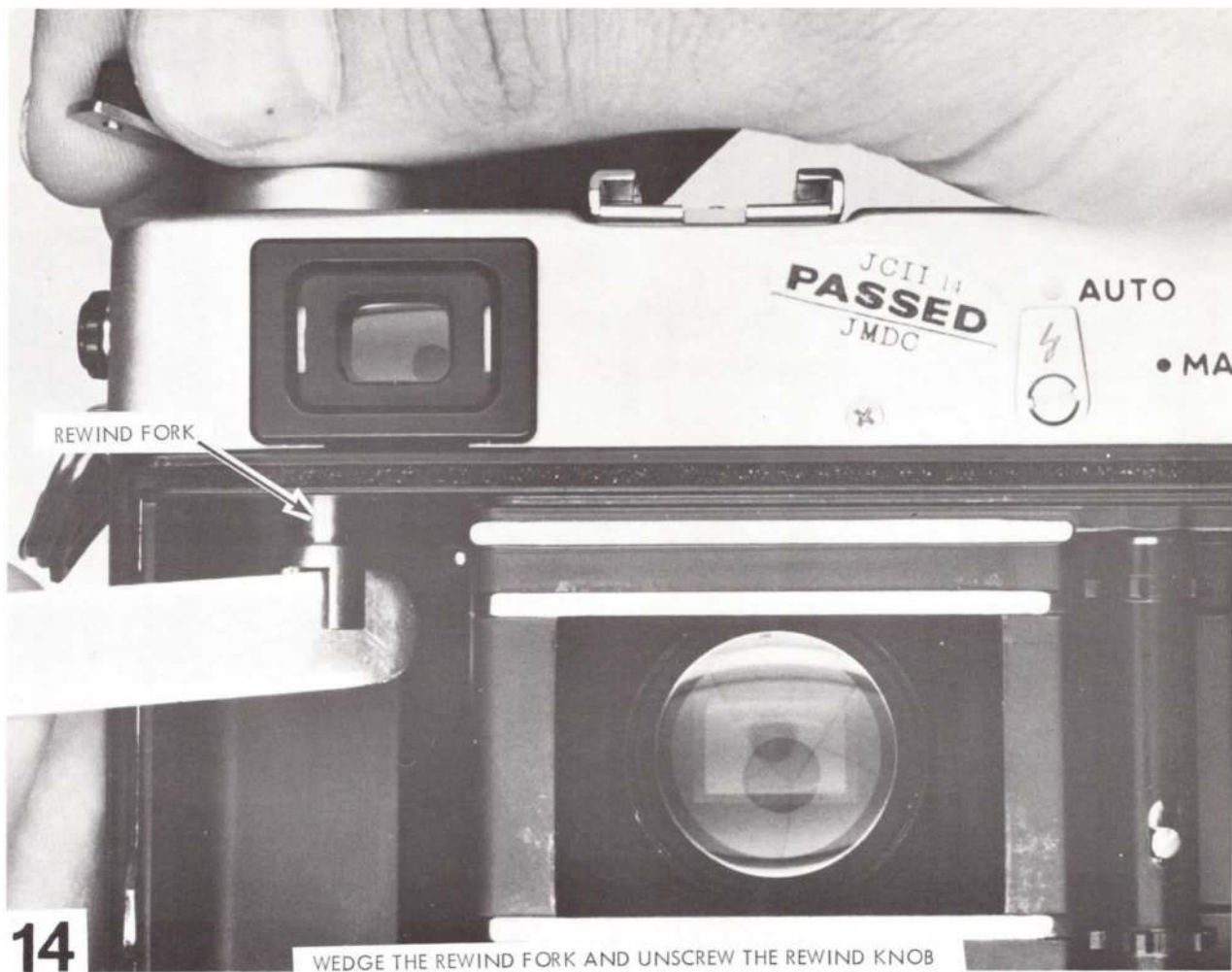




12



13



REWIND FORK

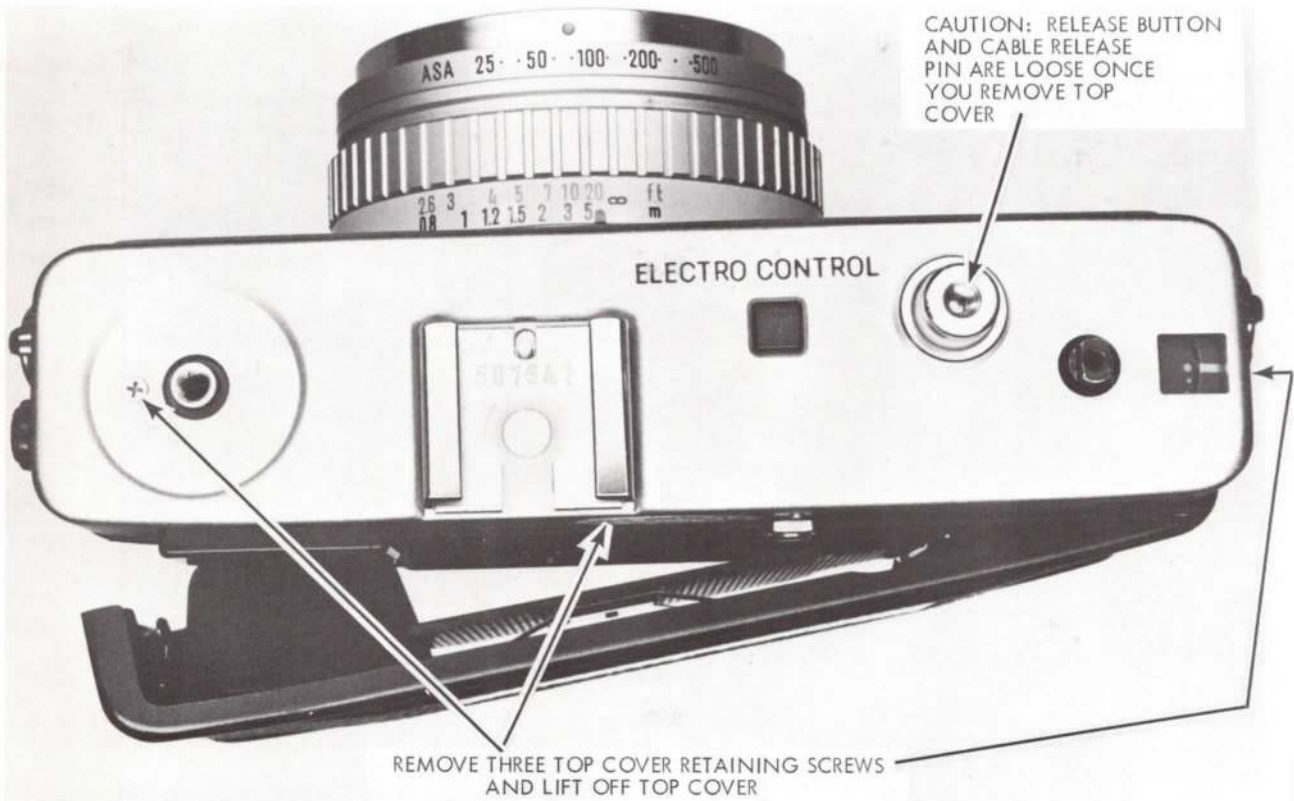
JCII 14
PASSED
JMDC

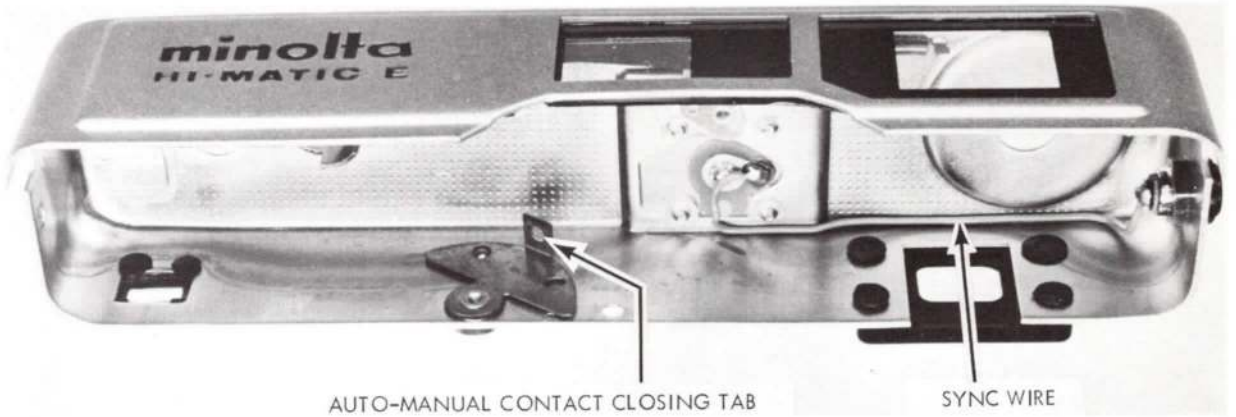
AUTO

• MA

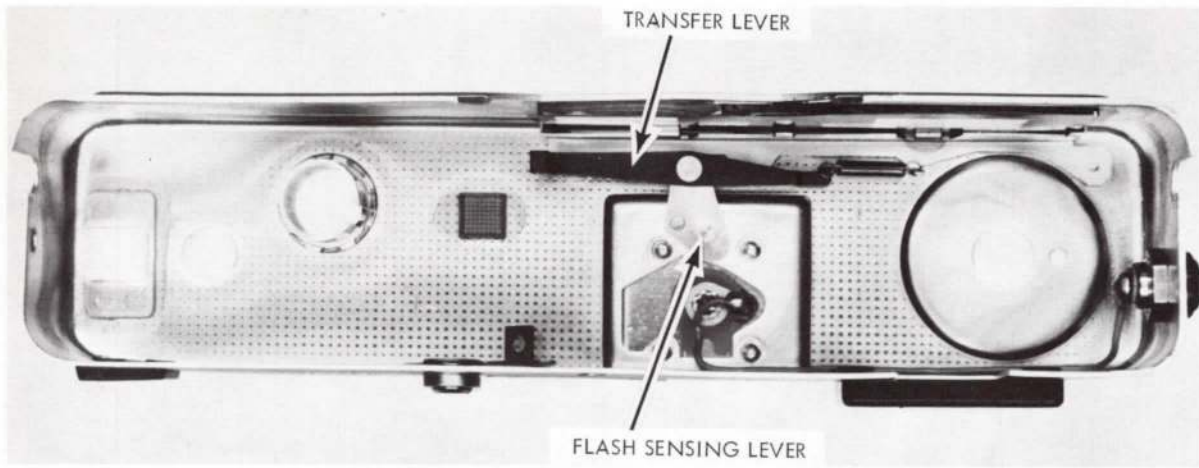
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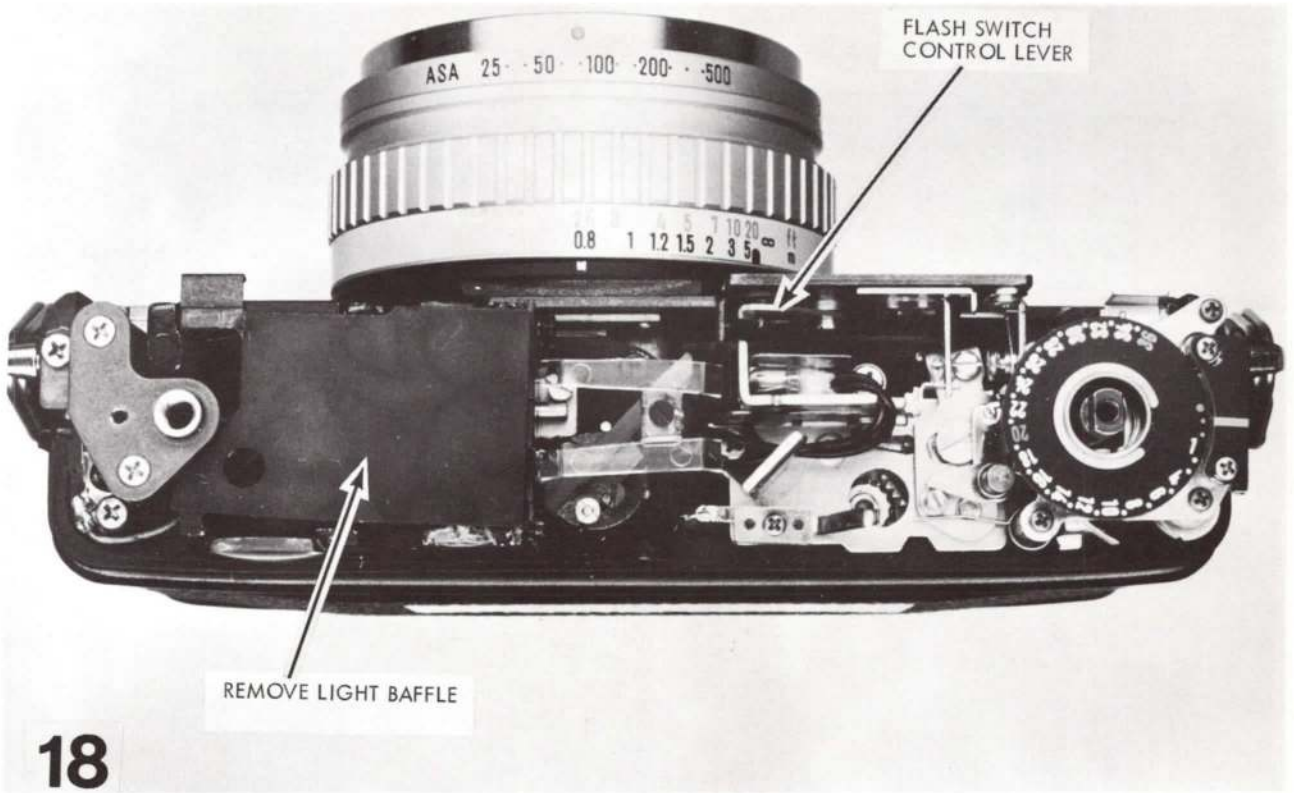
WEDGE THE REWIND FORK AND UNSCREW THE REWIND KNOB

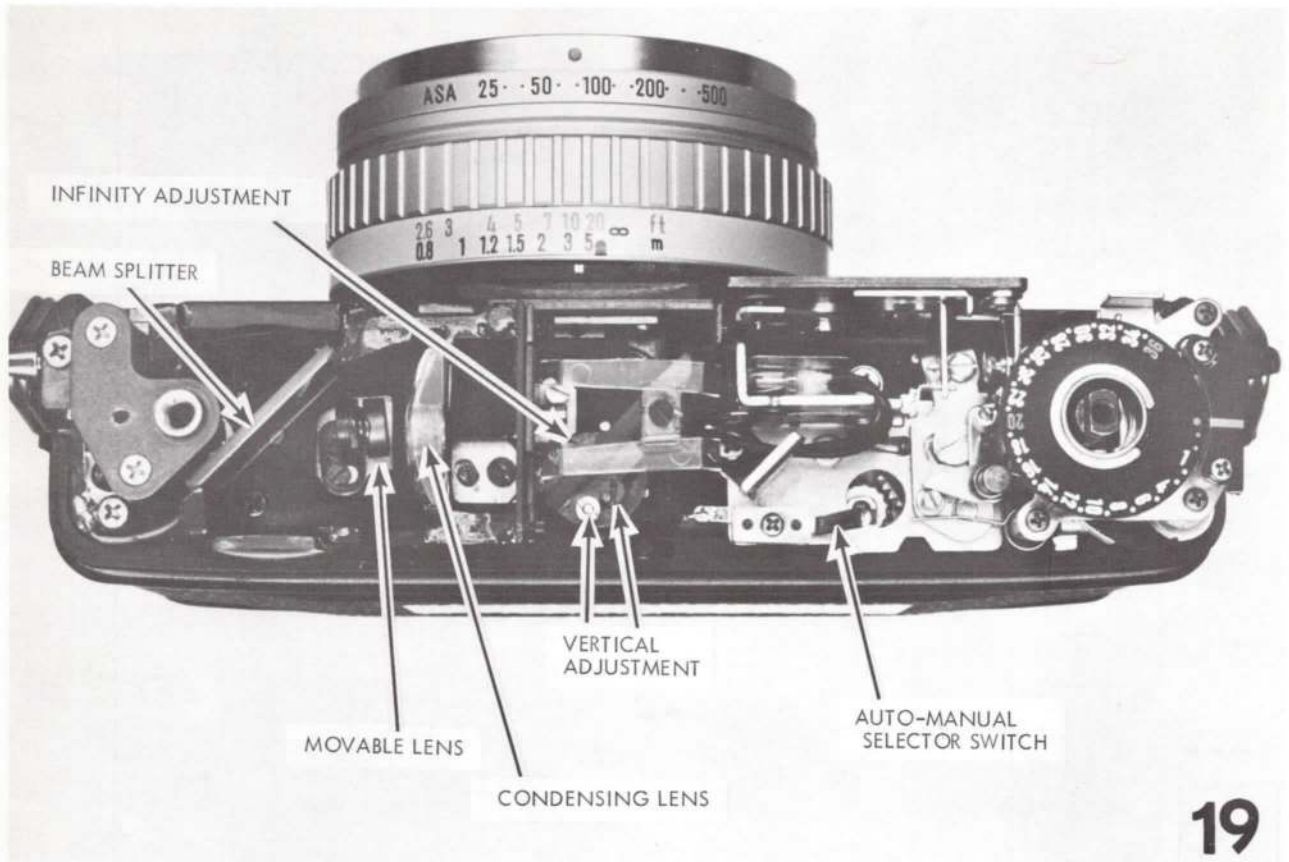


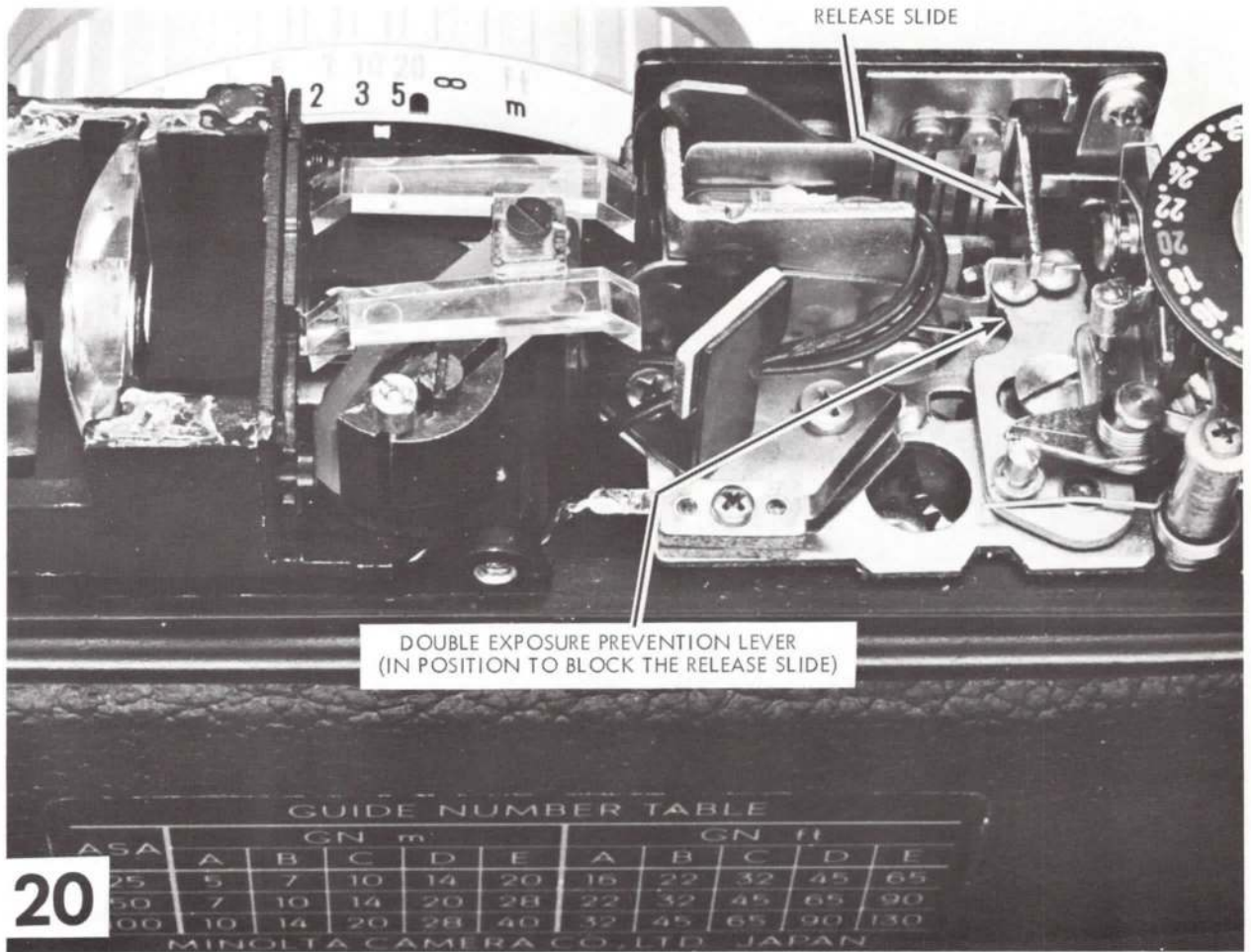


16









RELEASE SLIDE

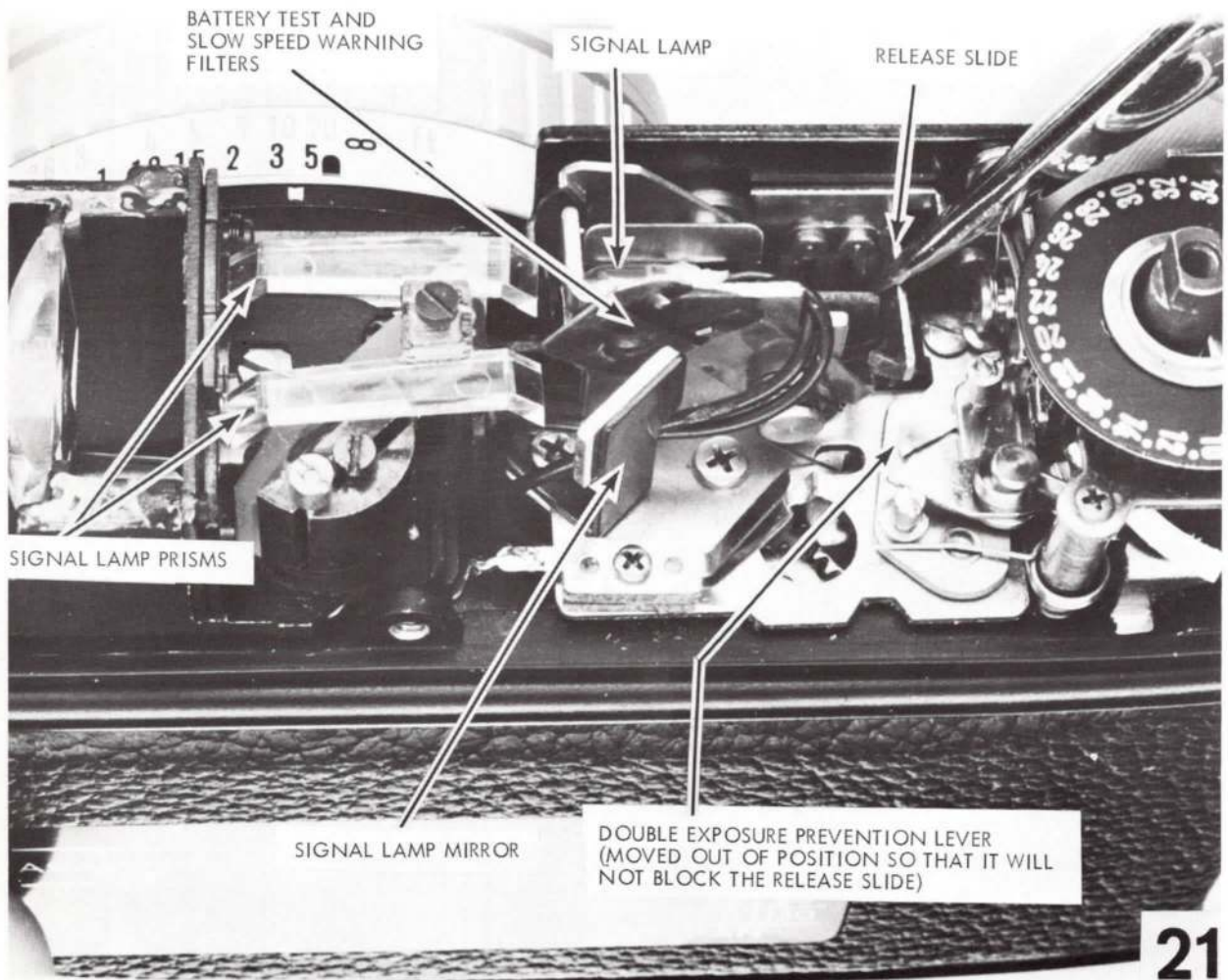
DOUBLE EXPOSURE PREVENTION LEVER
(IN POSITION TO BLOCK THE RELEASE SLIDE)

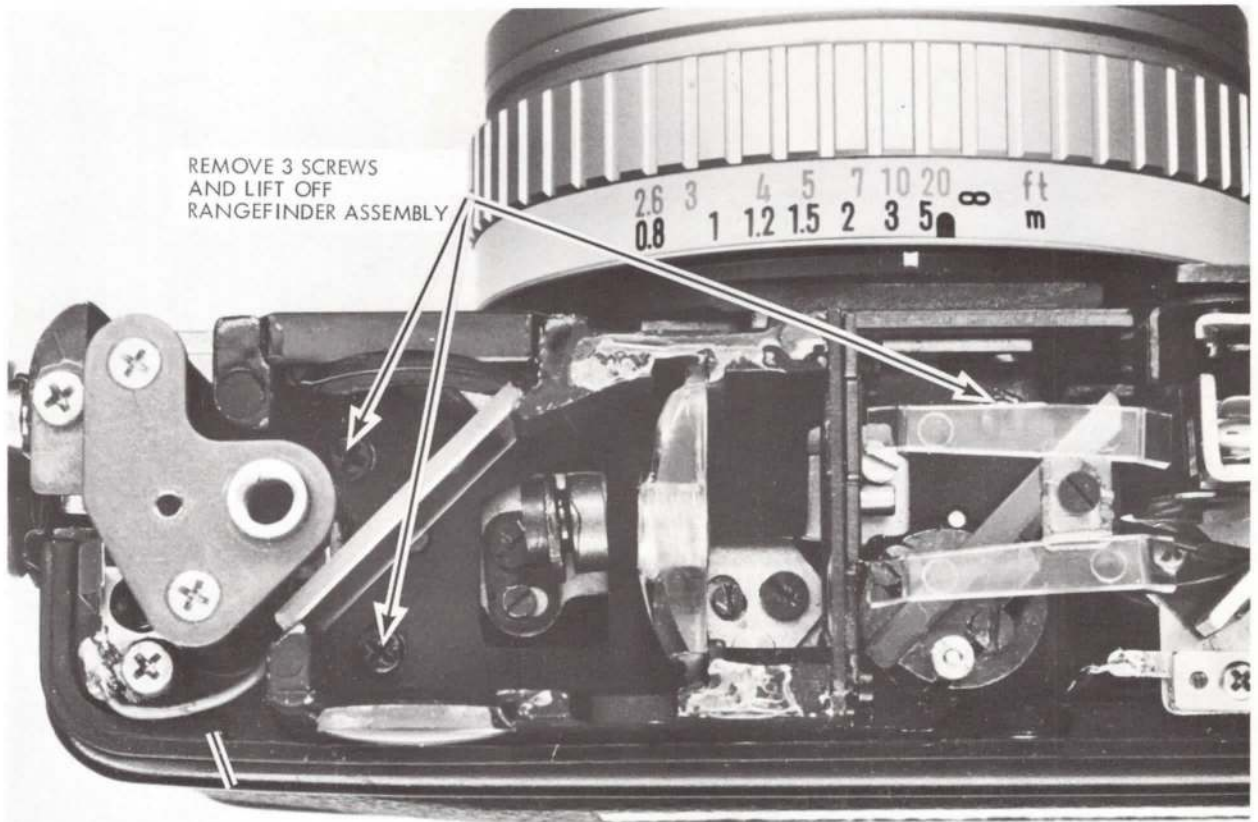
GUIDE NUMBER TABLE

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100	10	14	20	28	40	32	45	65	90	130

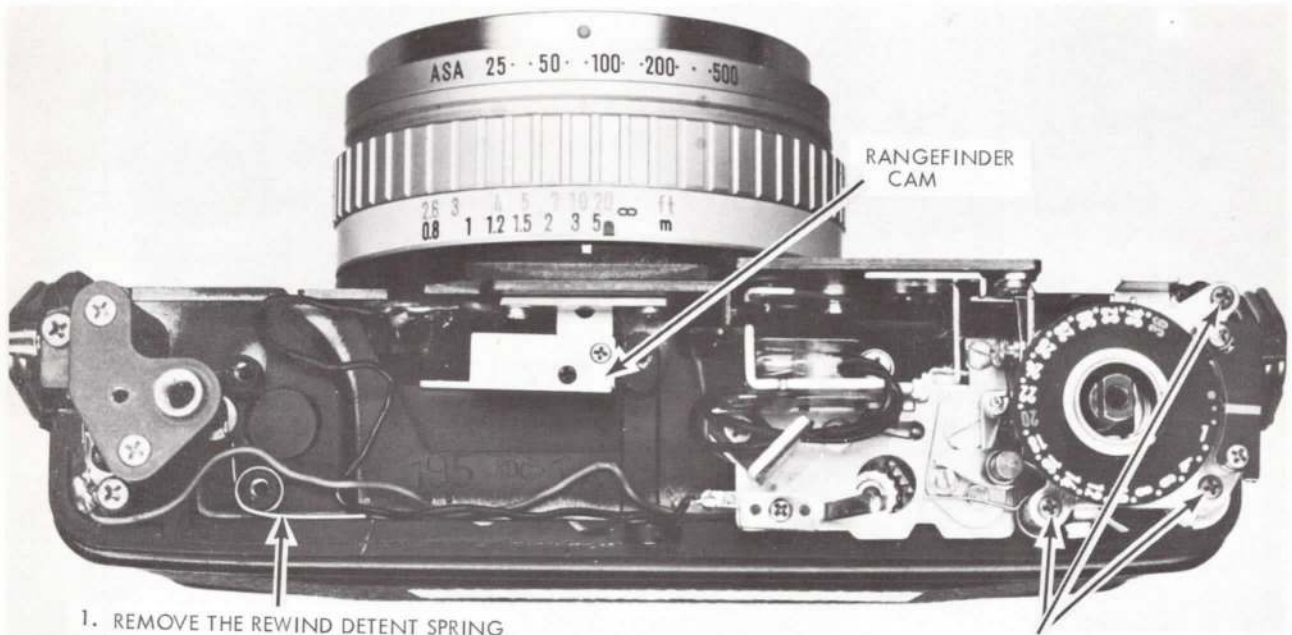
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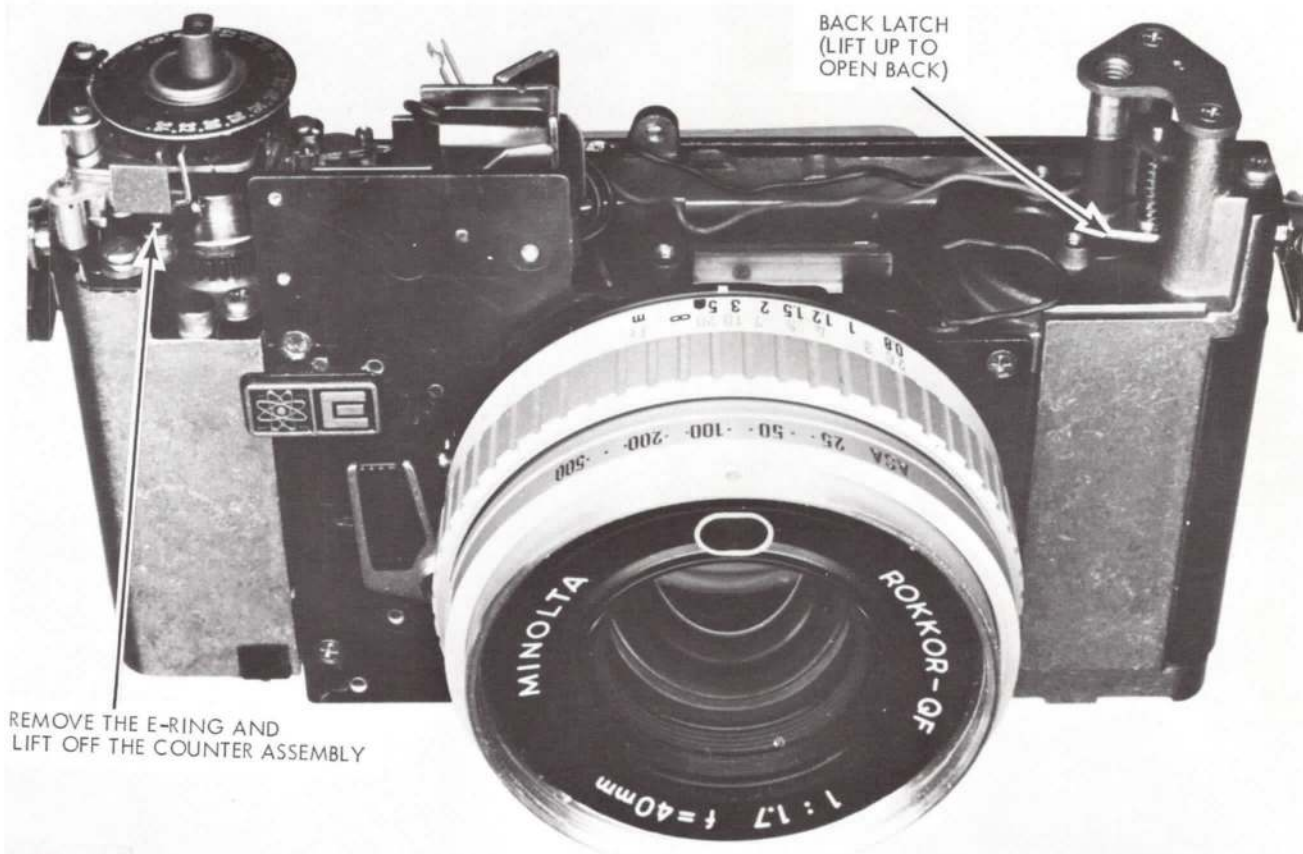


22



1. REMOVE THE REWIND DETENT SPRING

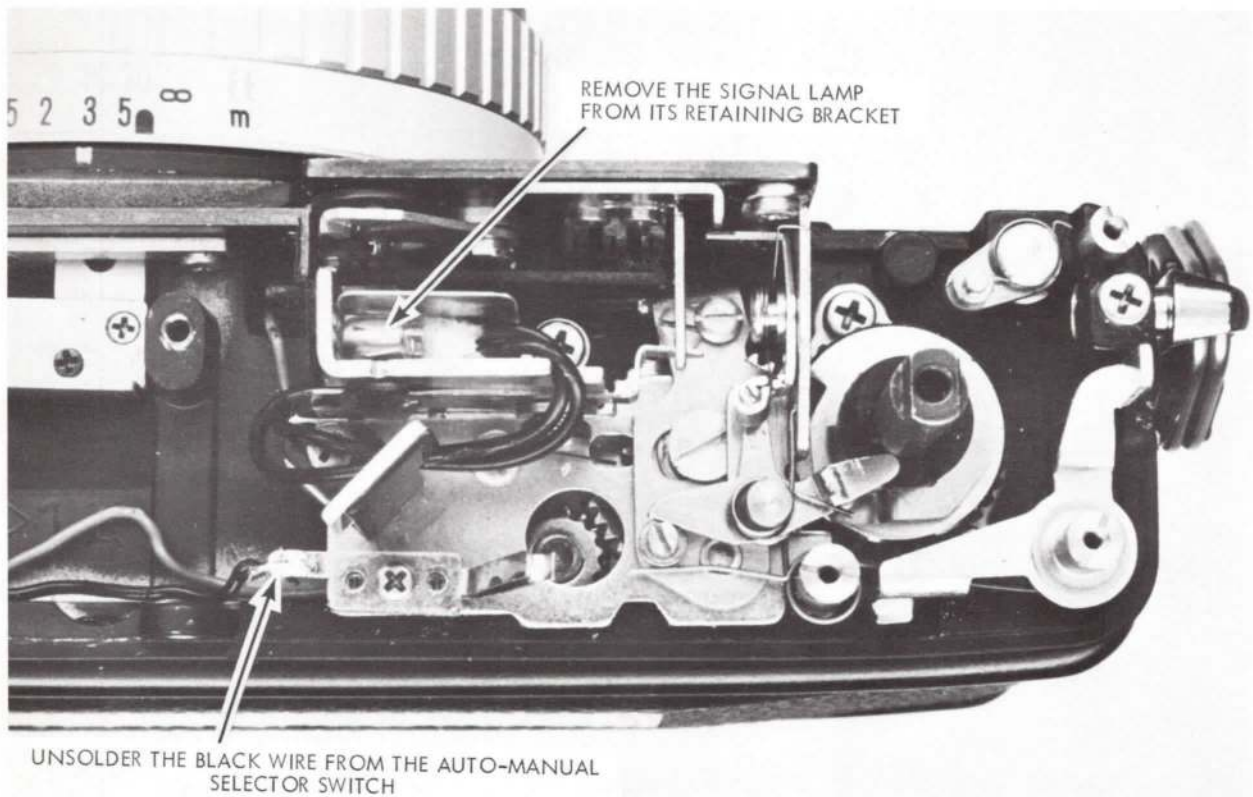
2. REMOVE THE THREE COUNTER PLATE
RETAINING SCREWS

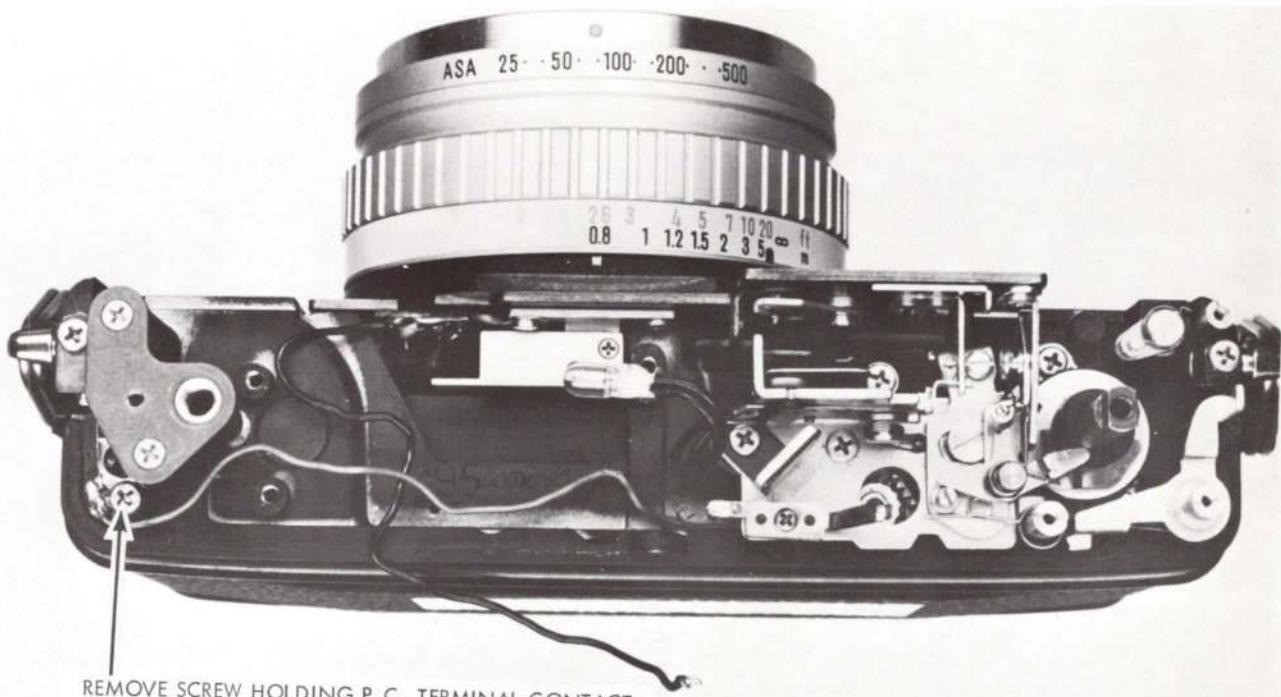


BACK LATCH
(LIFT UP TO
OPEN BACK)

REMOVE THE E-RING AND
LIFT OFF THE COUNTER ASSEMBLY

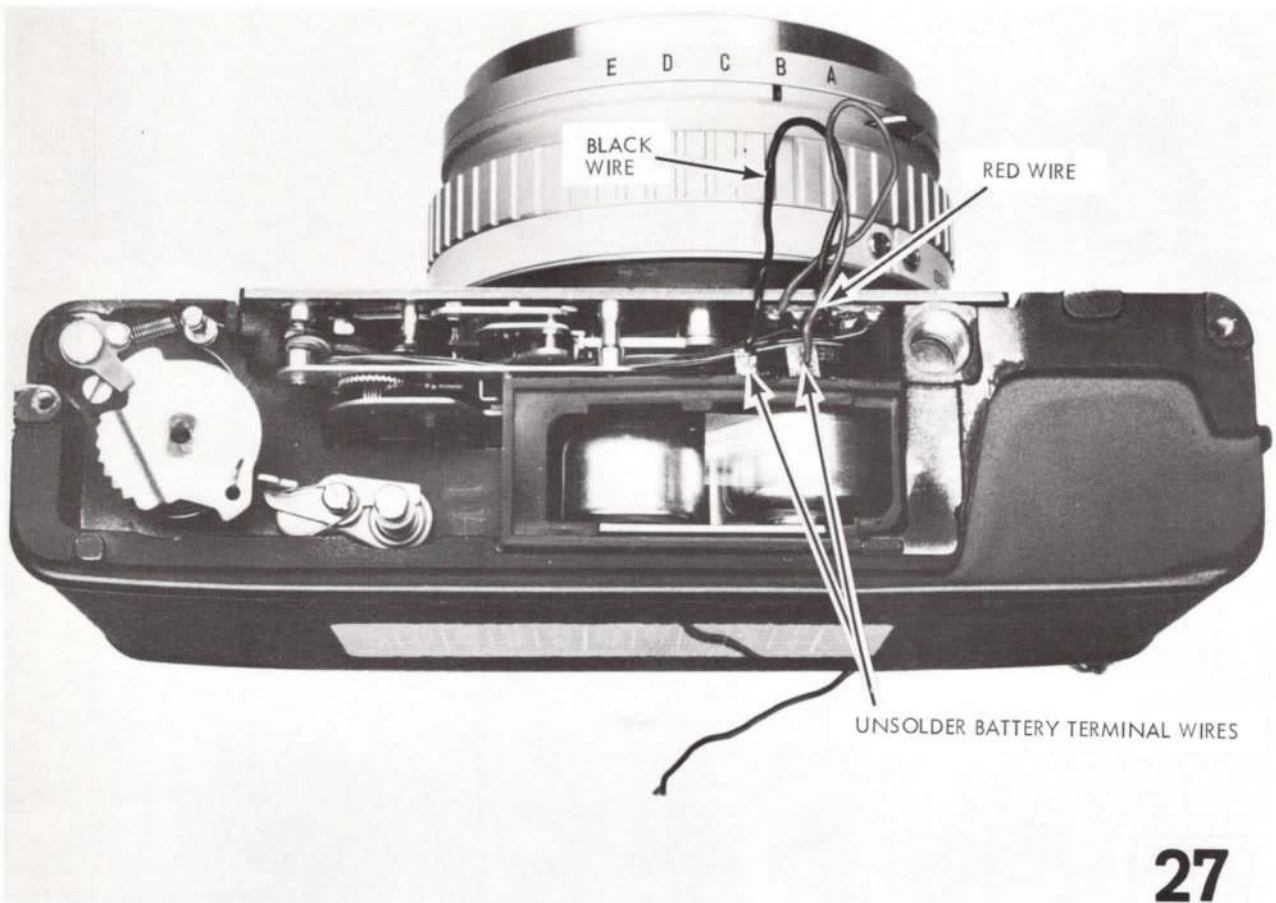
24

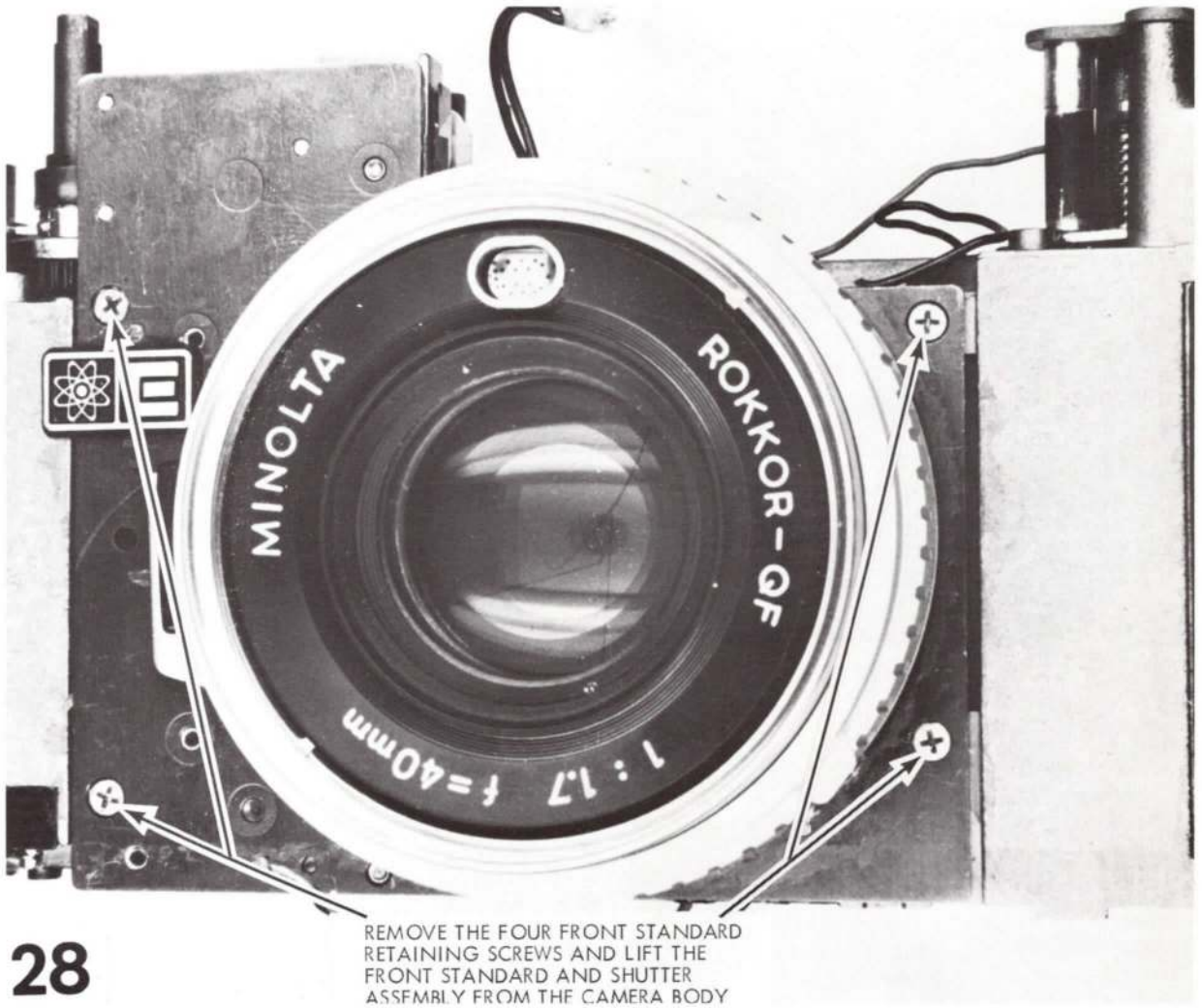




REMOVE SCREW HOLDING P.C. TERMINAL CONTACT

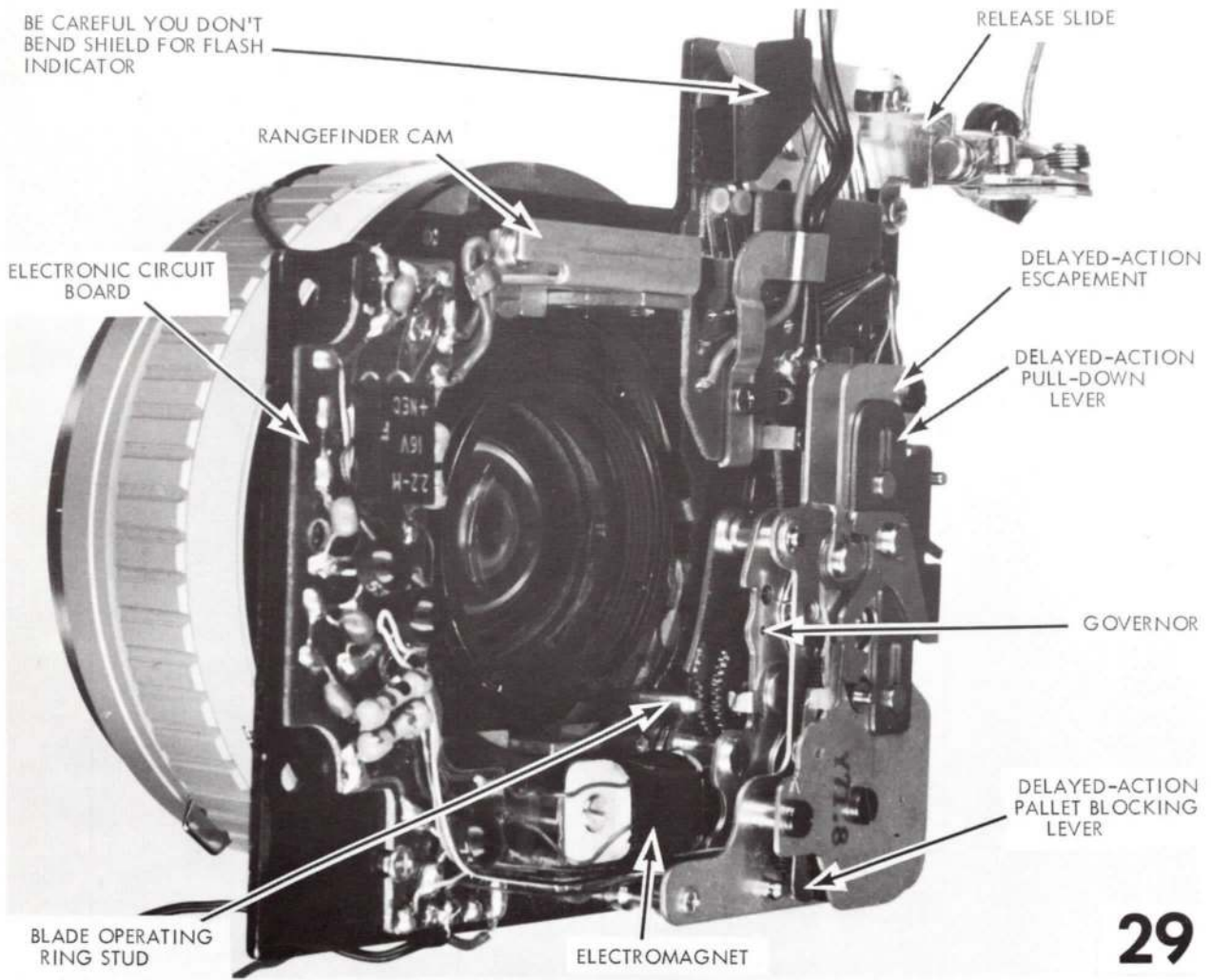
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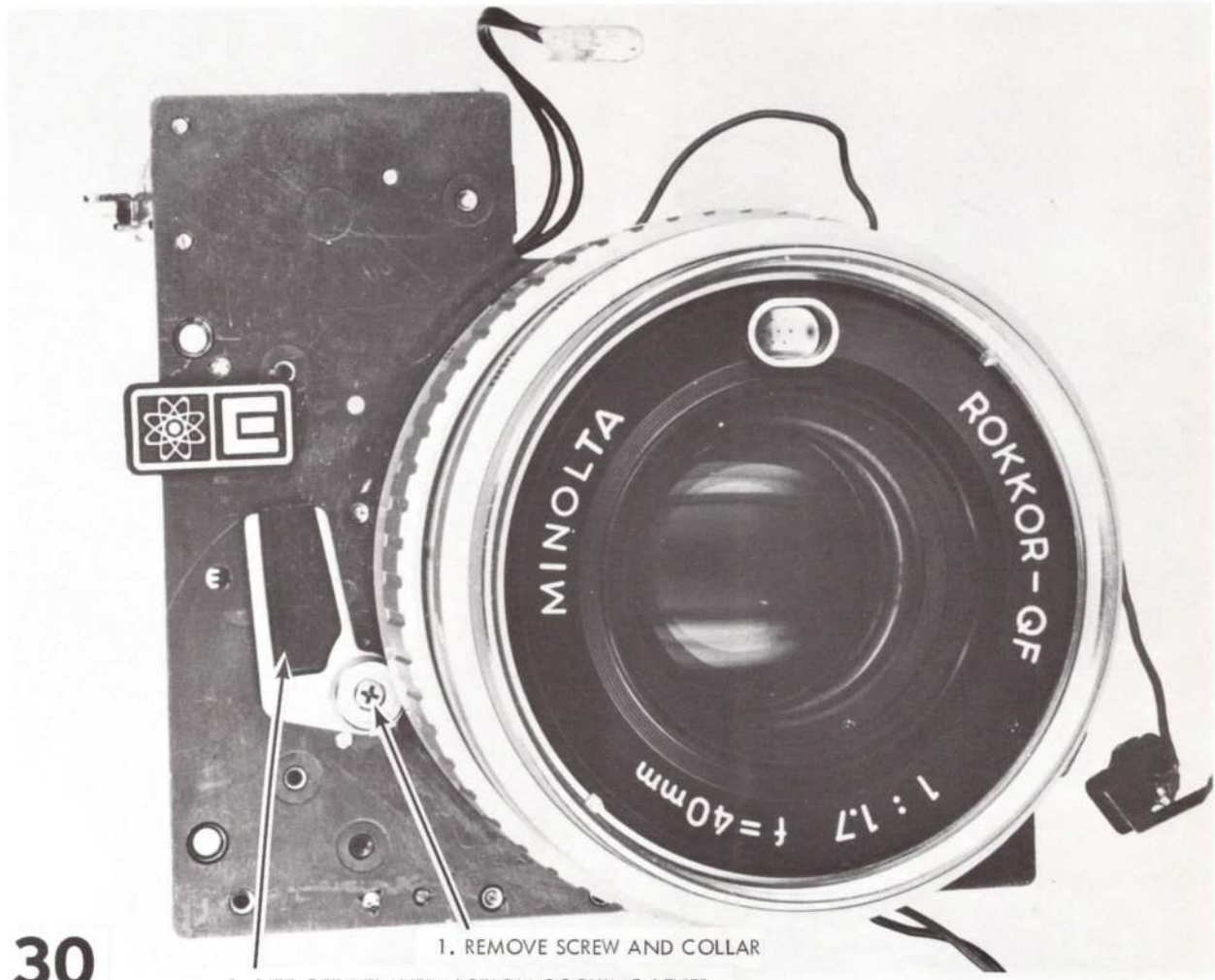




28

REMOVE THE FOUR FRONT STANDARD
RETAINING SCREWS AND LIFT THE
FRONT STANDARD AND SHUTTER
ASSEMBLY FROM THE CAMERA BODY

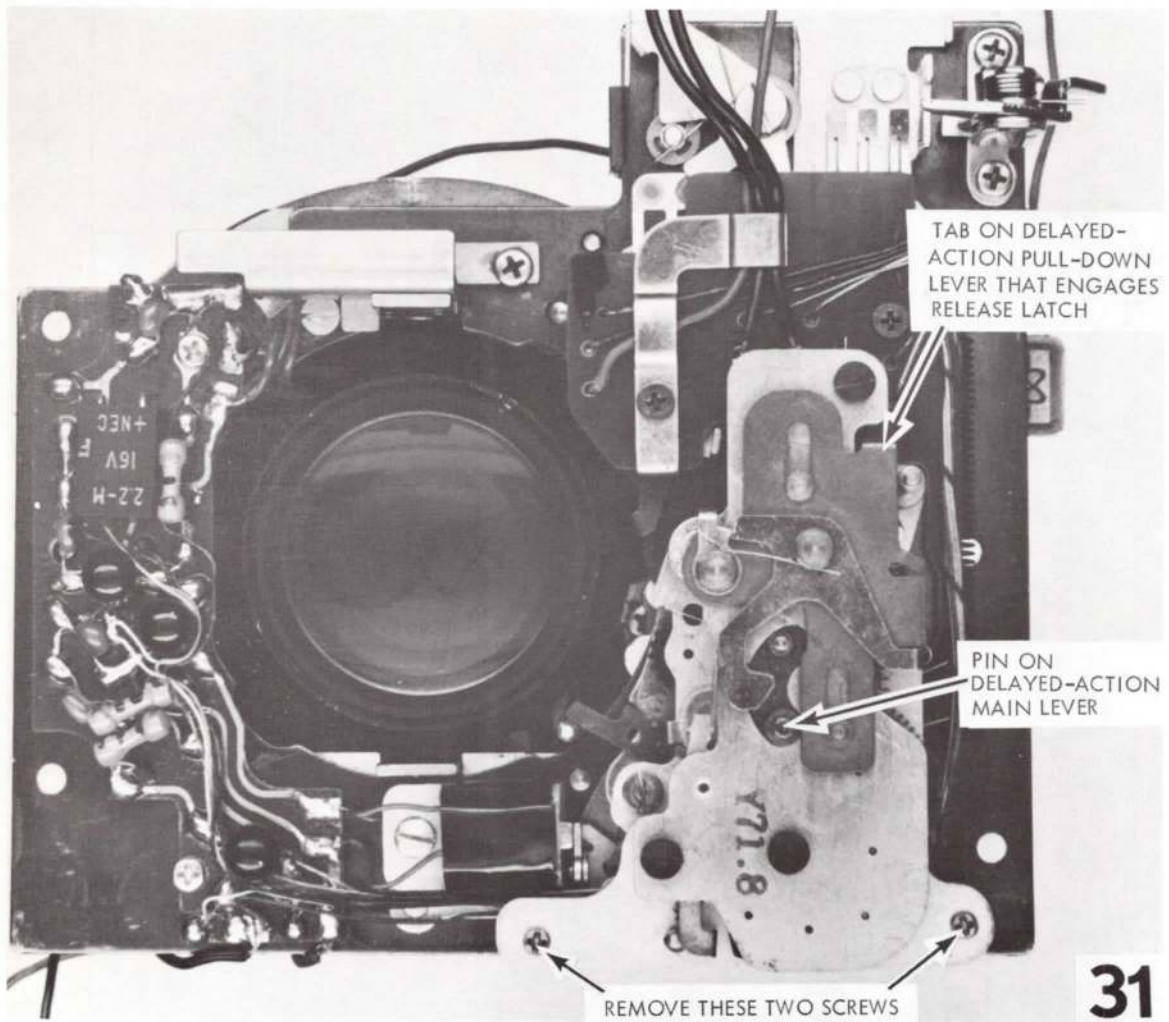




30

1. REMOVE SCREW AND COLLAR

2. LIFT OFF DELAYED-ACTION COCKING LEVER

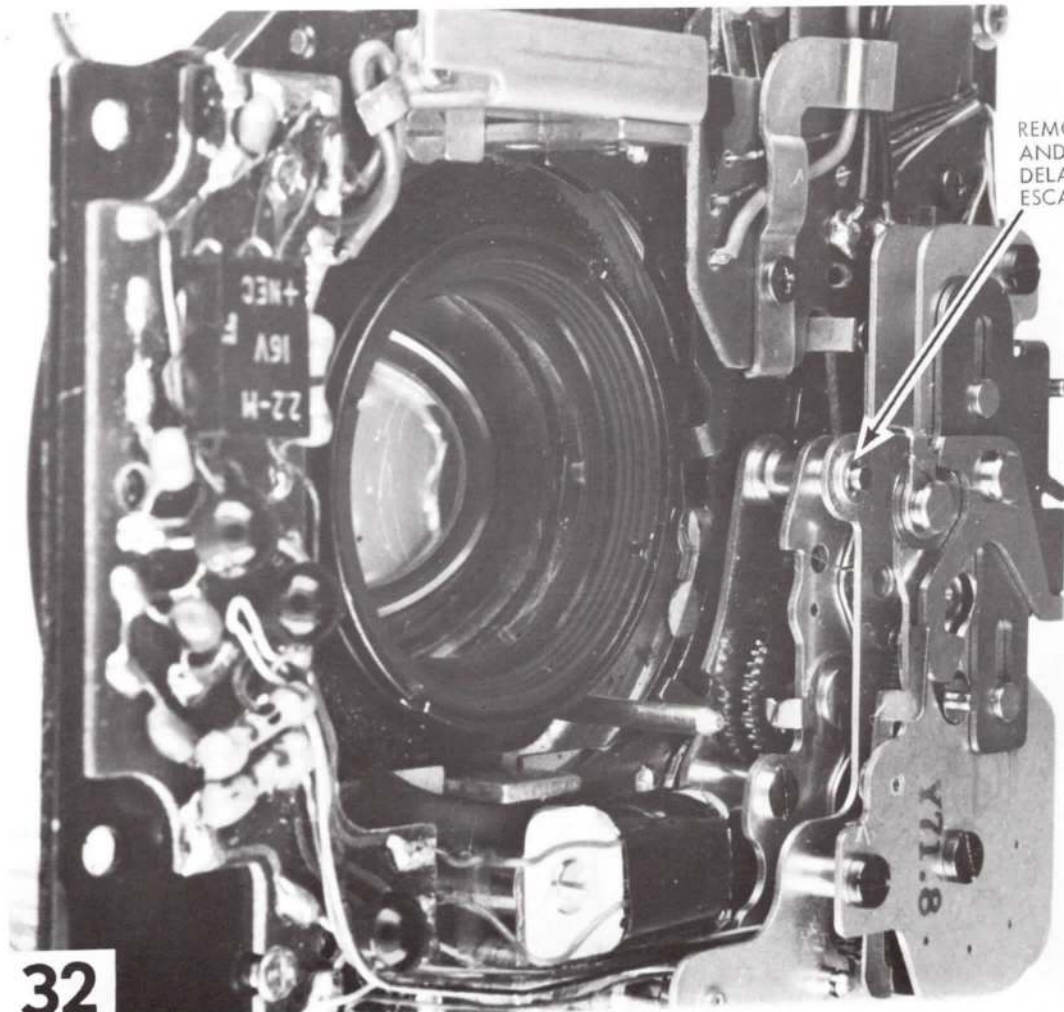


TAB ON DELAYED-ACTION PULL-DOWN LEVER THAT ENGAGES RELEASE LATCH

PIN ON DELAYED-ACTION MAIN LEVER

REMOVE THESE TWO SCREWS

31



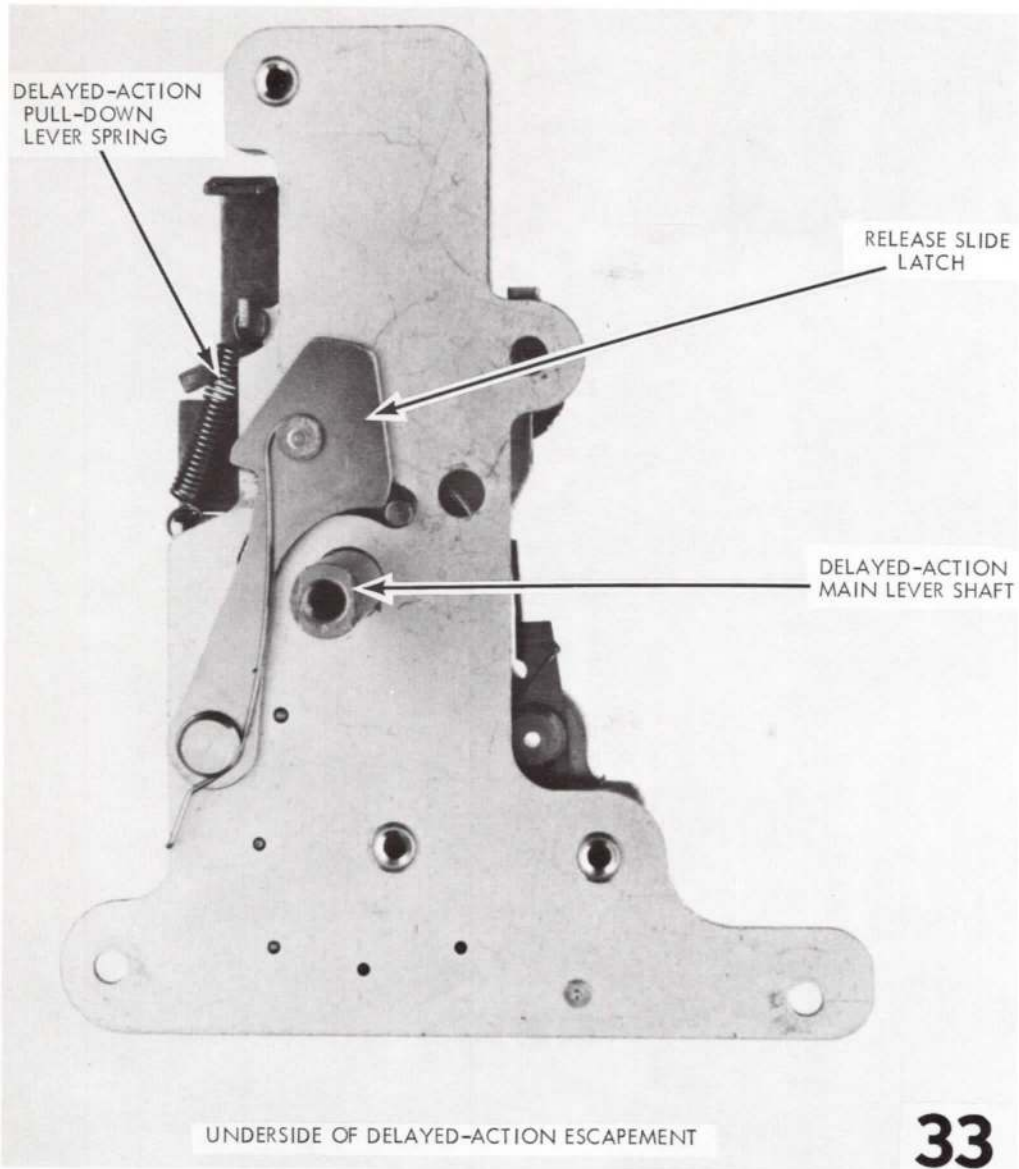
REMOVE THE E-RING
AND LIFT OFF THE
DELAYED-ACTION
ESCAPEMENT

32

DELAYED-ACTION
PULL-DOWN
LEVER SPRING

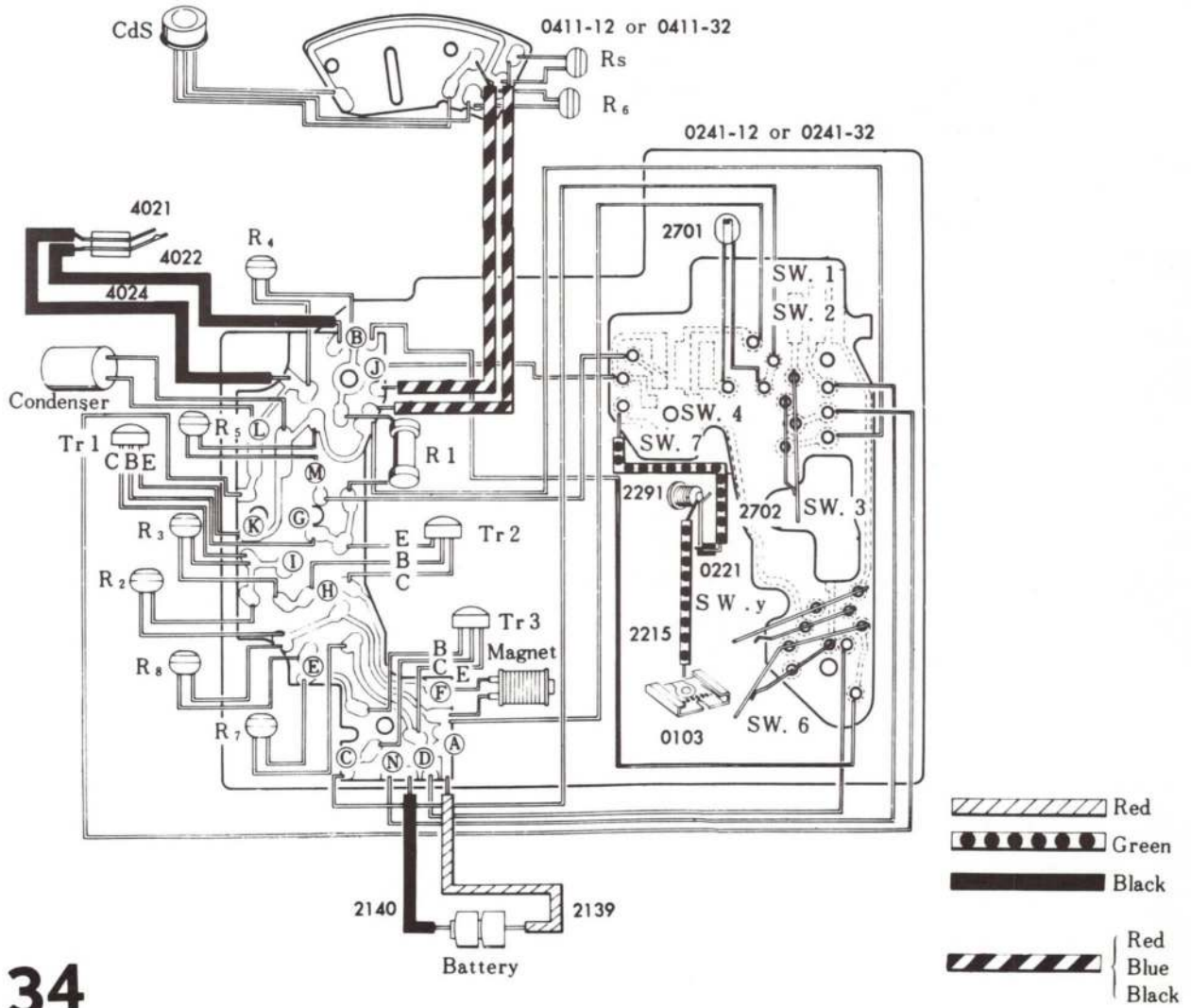
RELEASE SLIDE
LATCH

DELAYED-ACTION
MAIN LEVER SHAFT

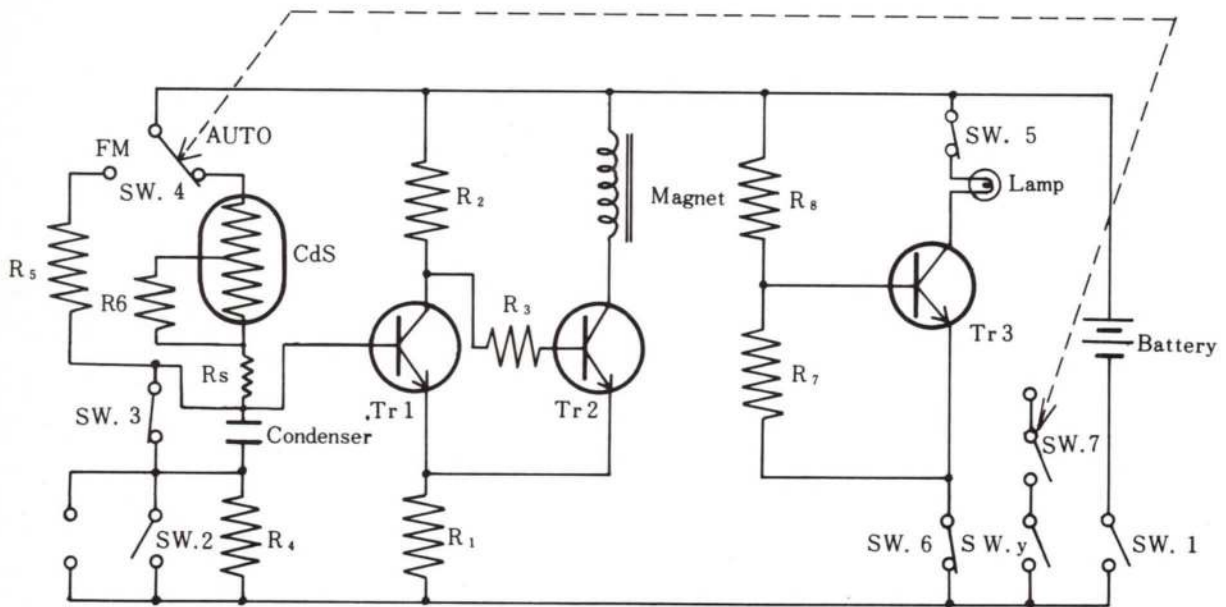


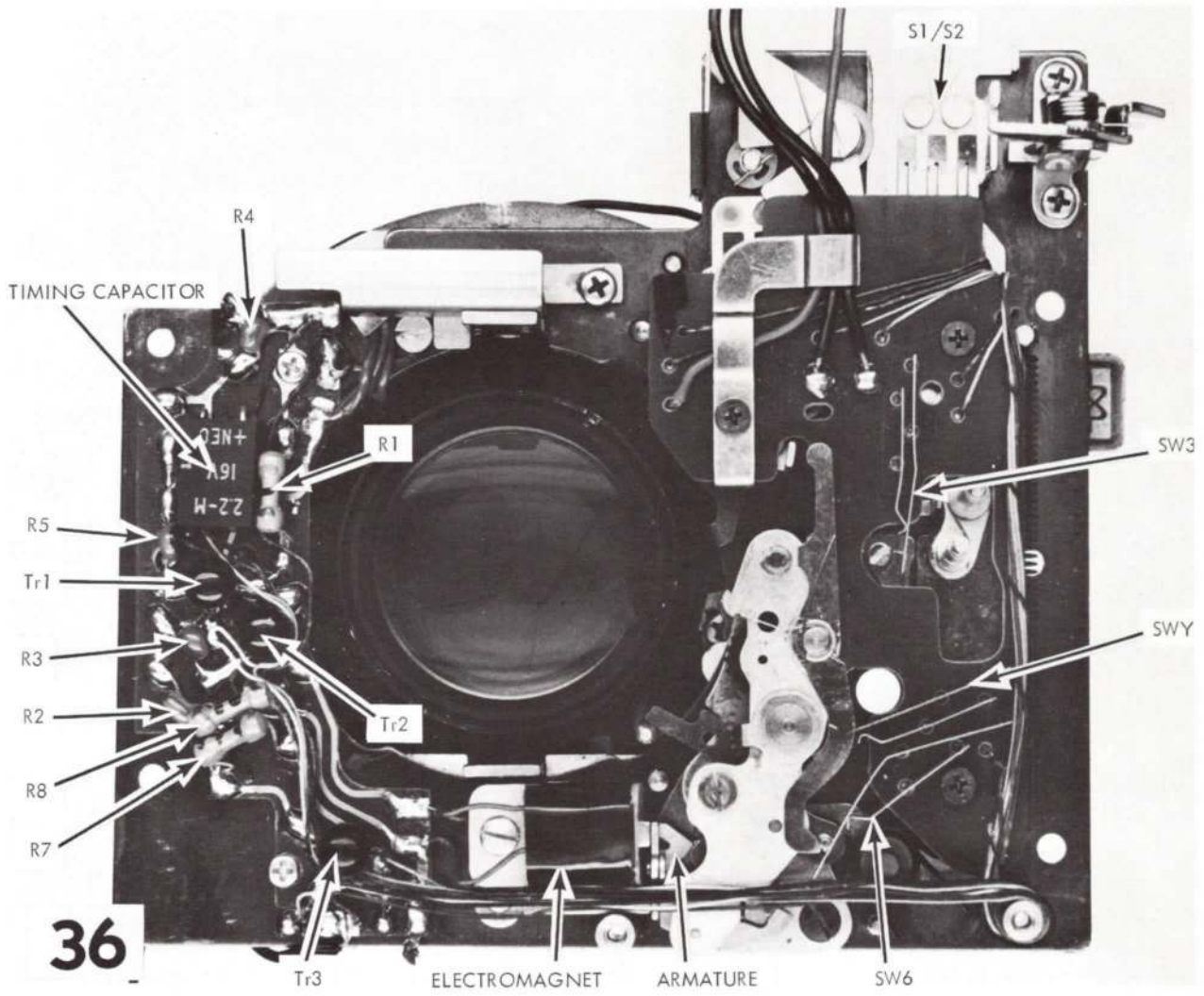
UNDERSIDE OF DELAYED-ACTION ESCAPEMENT

WIRING SCHEMATIC DIAGRAM

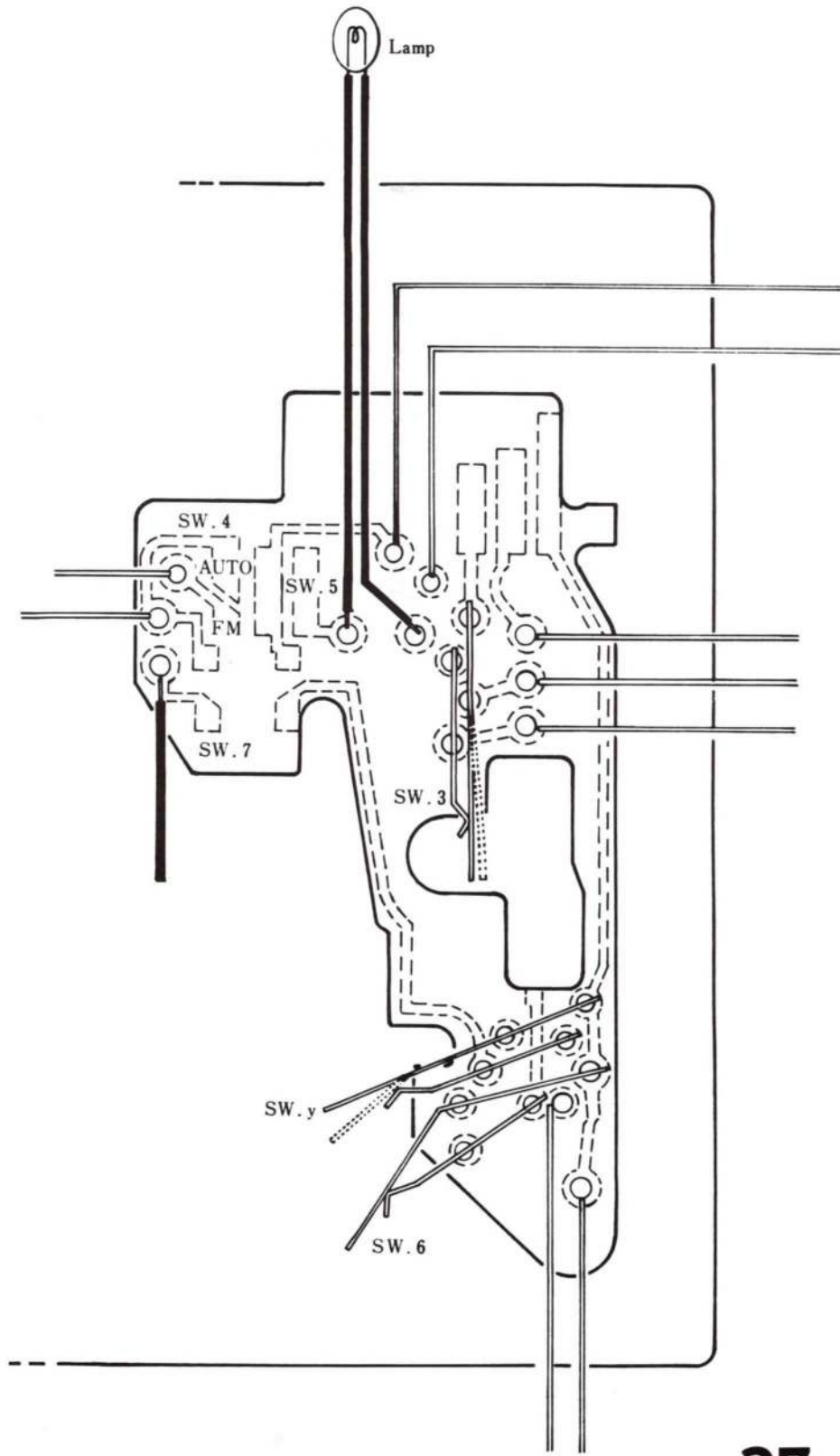


CIRCUIT DIAGRAM





EXPLANATORY OPERATION DRAWING B



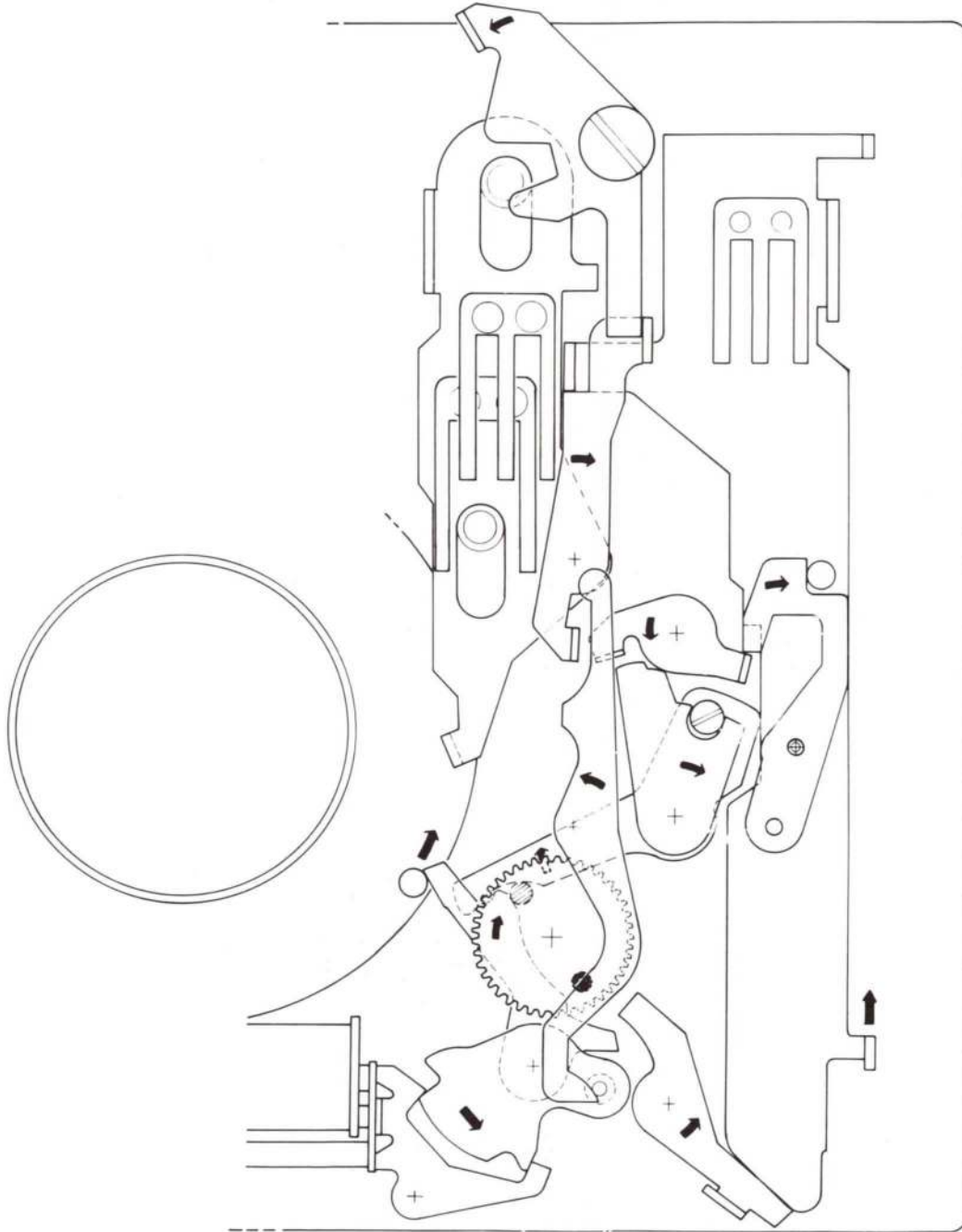
37

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

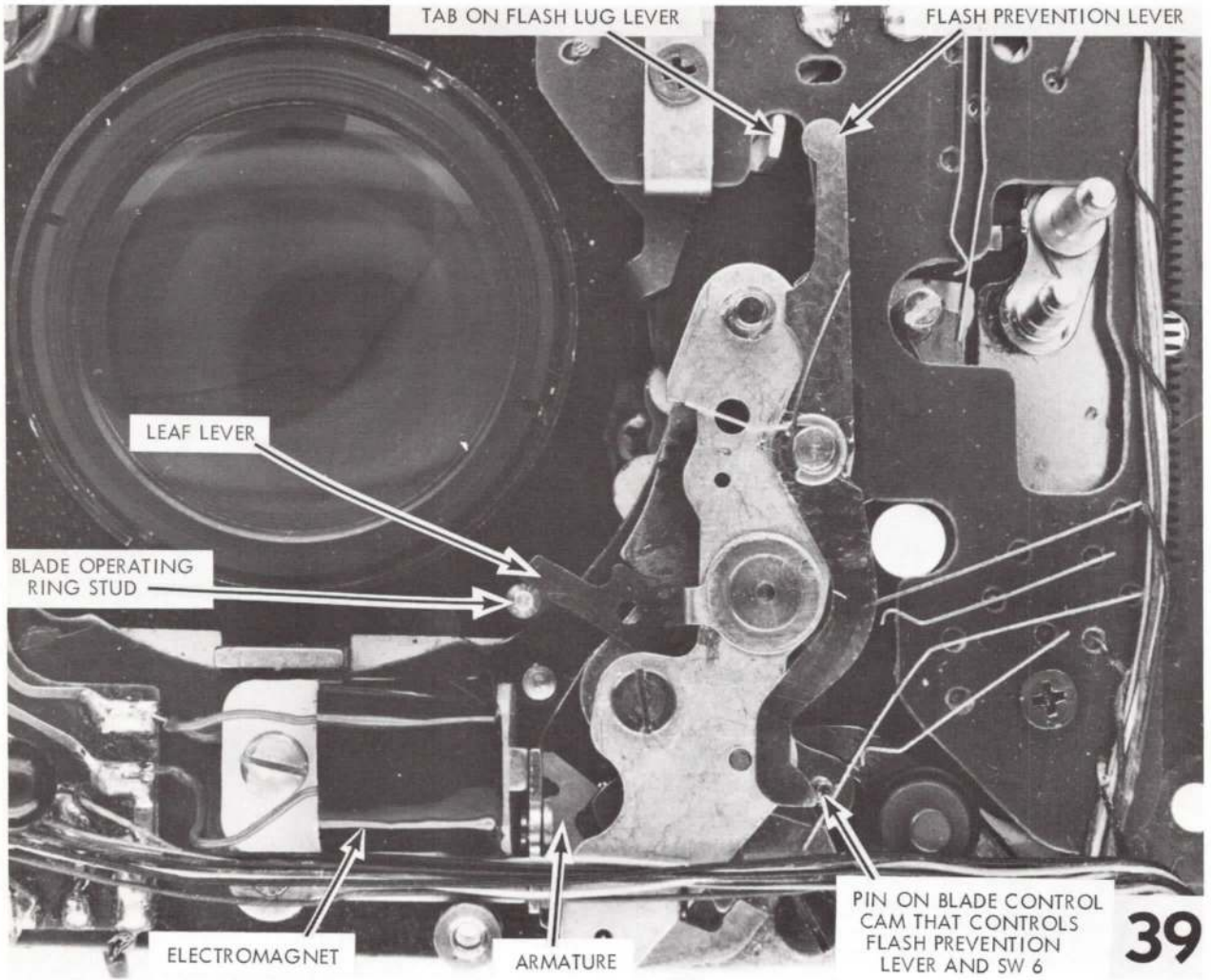
CONDITION DURING RELEASE (BUT PRIOR TO SECTORS' OPENING)

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



38

 ARROWS INDICATE DIRECTION IN WHICH SPRING FORCE ALWAYS ACTS



TAB ON FLASH LUG LEVER

FLASH PREVENTION LEVER

LEAF LEVER

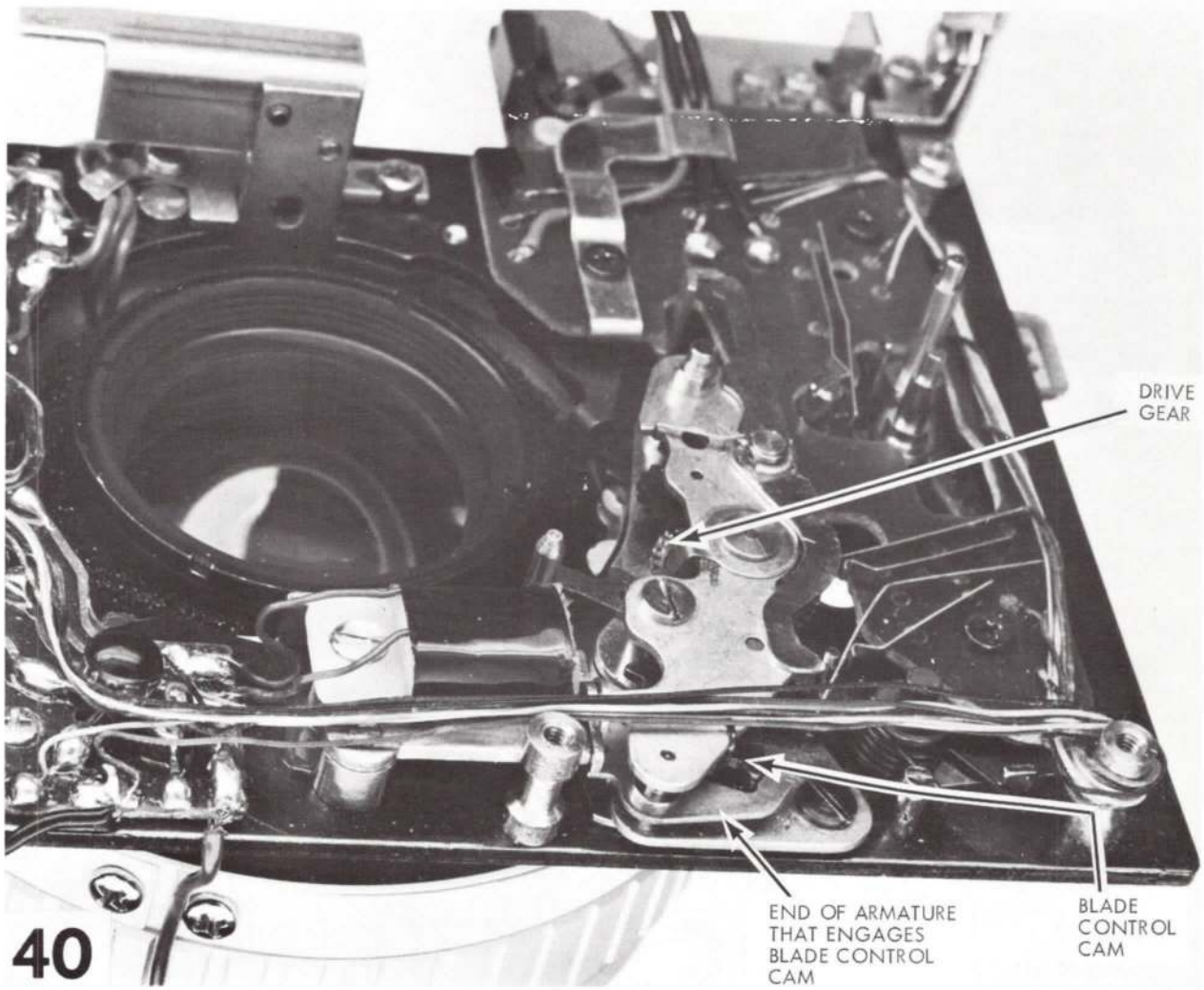
BLADE OPERATING
RING STUD

ELECTROMAGNET

ARMATURE

PIN ON BLADE CONTROL
CAM THAT CONTROLS
FLASH PREVENTION
LEVER AND SW 6

39

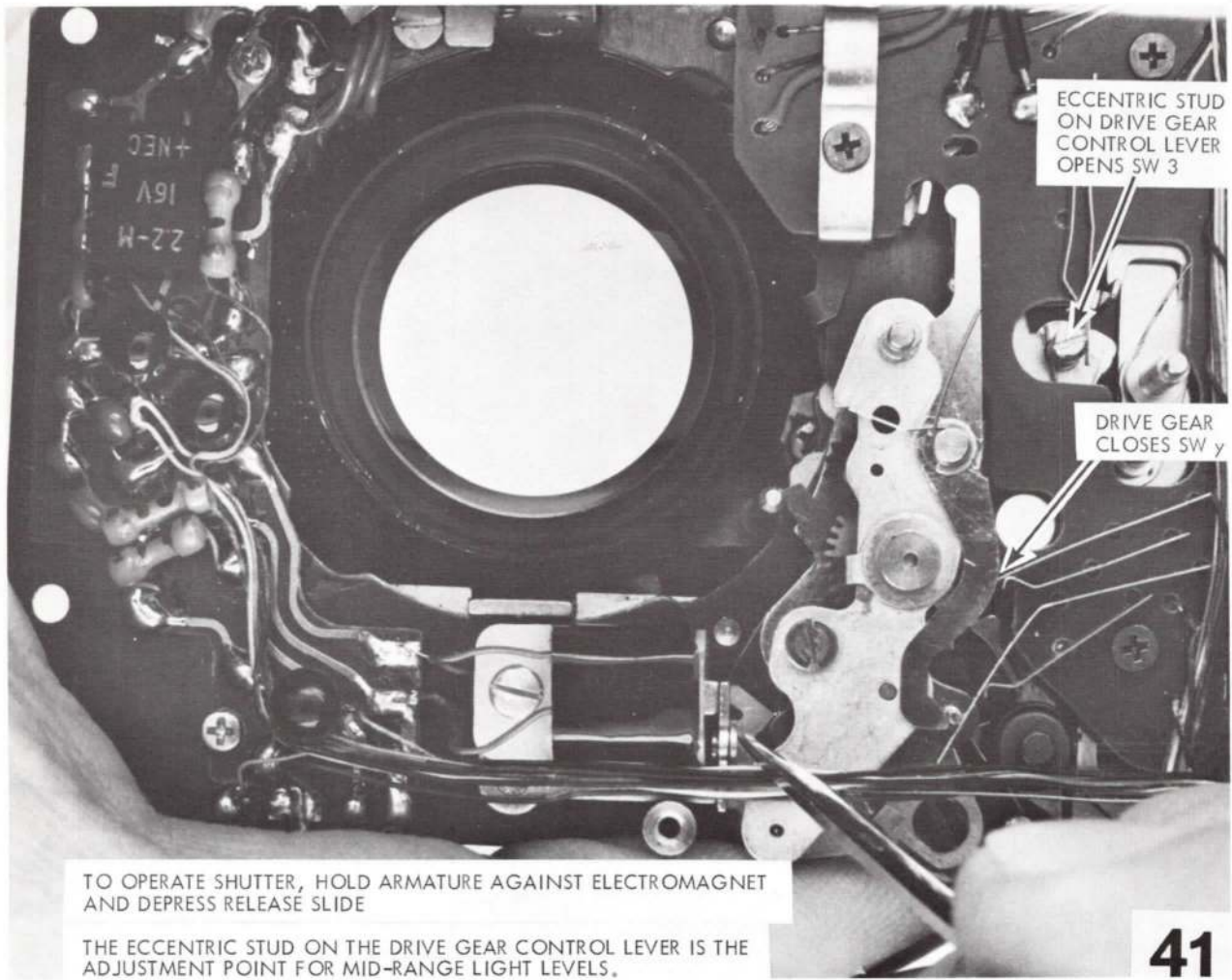


DRIVE
GEAR

END OF ARMATURE
THAT ENGAGES
BLADE CONTROL
CAM

BLADE
CONTROL
CAM

40



ECCENTRIC STUD ON DRIVE GEAR CONTROL LEVER OPENS SW 3

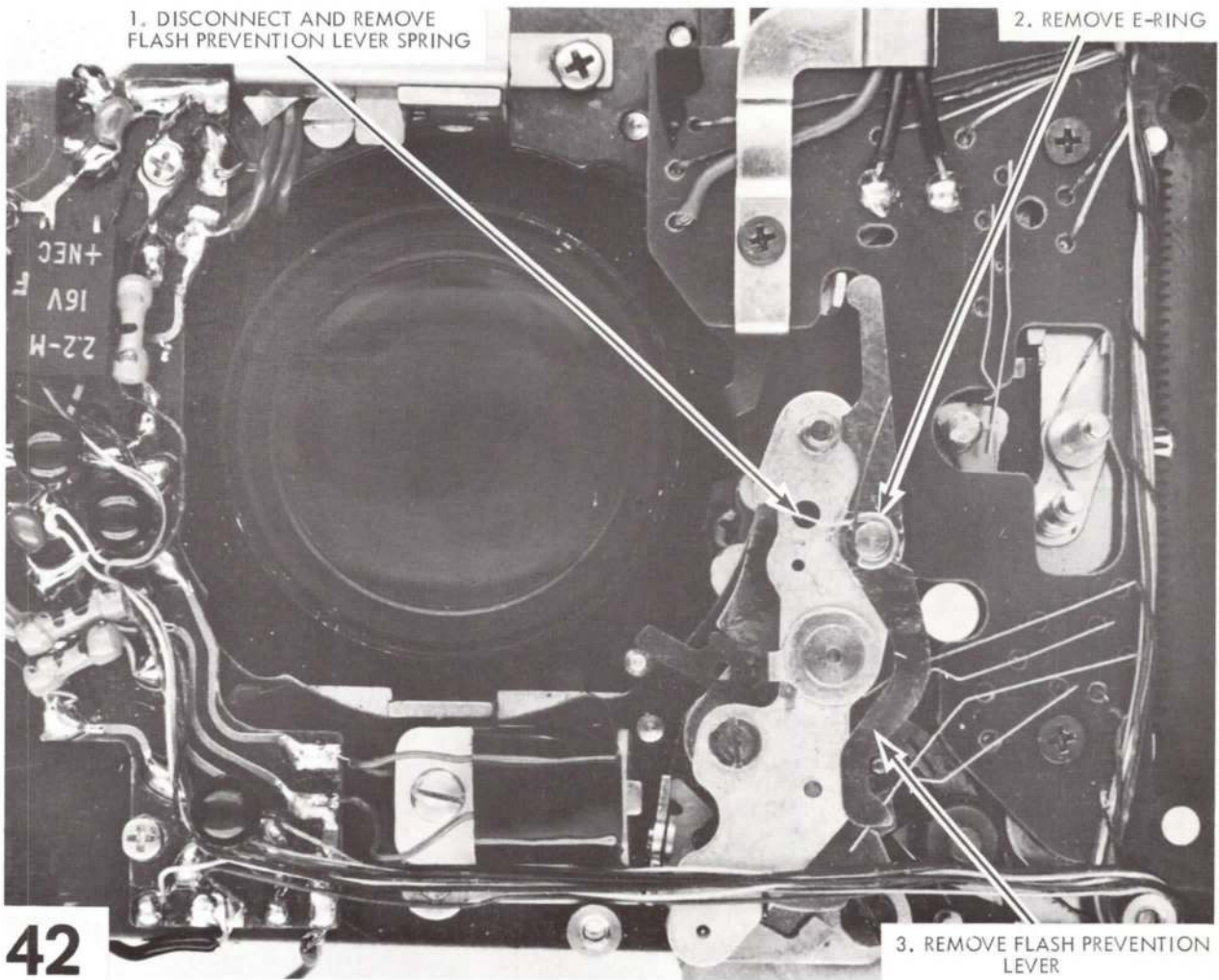
DRIVE GEAR CLOSES SW y

TO OPERATE SHUTTER, HOLD ARMATURE AGAINST ELECTROMAGNET AND DEPRESS RELEASE SLIDE

THE ECCENTRIC STUD ON THE DRIVE GEAR CONTROL LEVER IS THE ADJUSTMENT POINT FOR MID-RANGE LIGHT LEVELS.

1. DISCONNECT AND REMOVE
FLASH PREVENTION LEVER SPRING

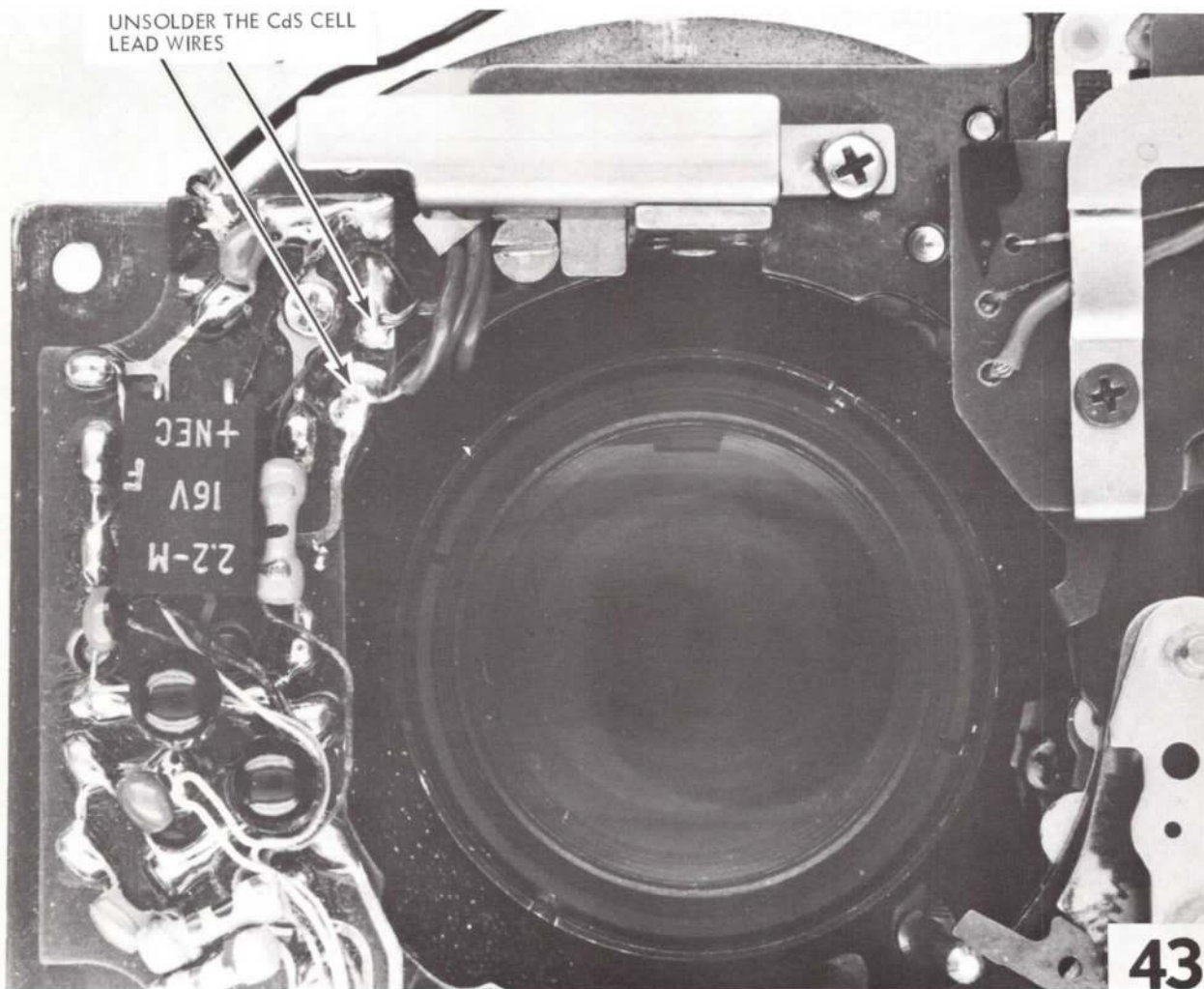
2. REMOVE E-RING



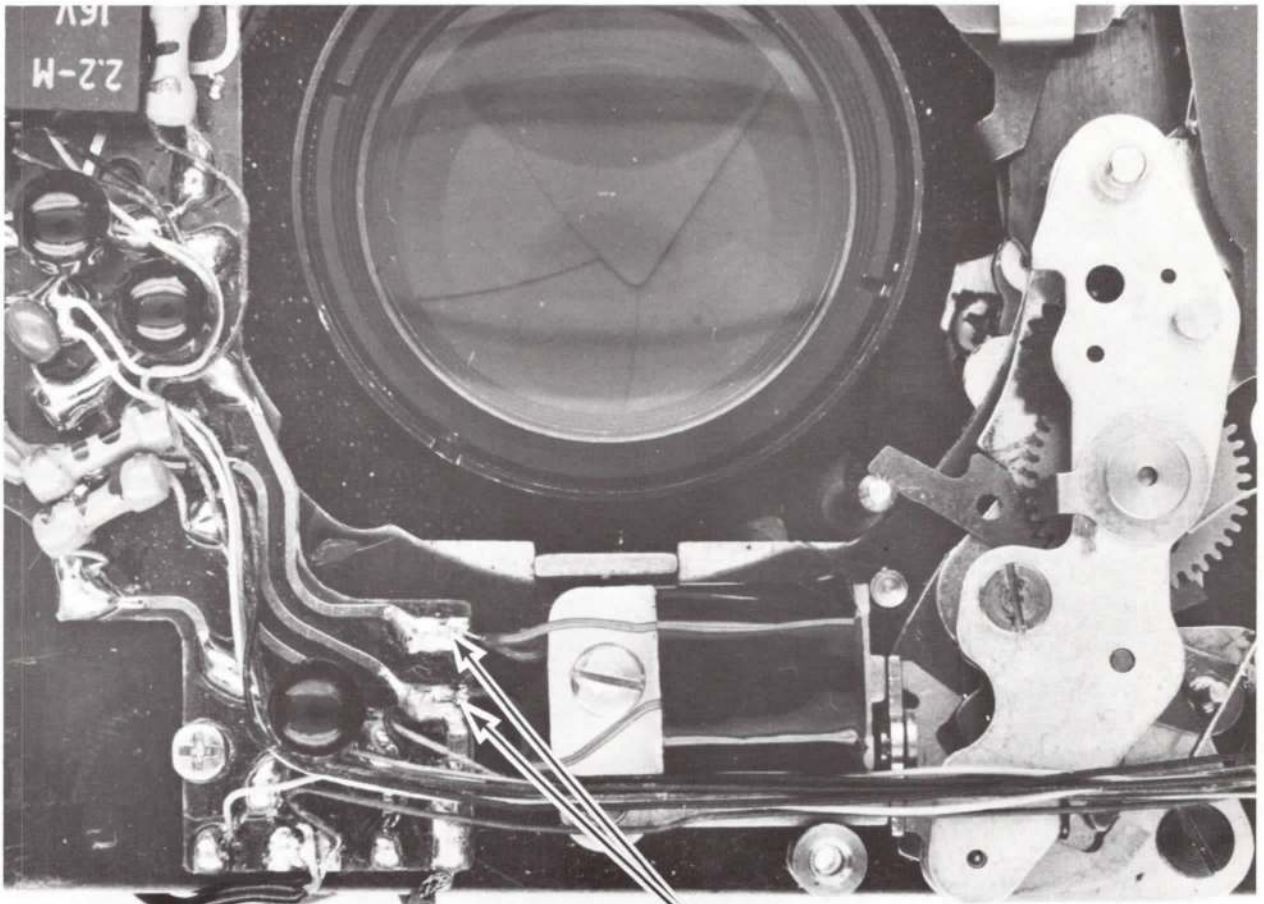
42

3. REMOVE FLASH PREVENTION
LEVER

UNSOLDER THE CdS CELL
LEAD WIRES

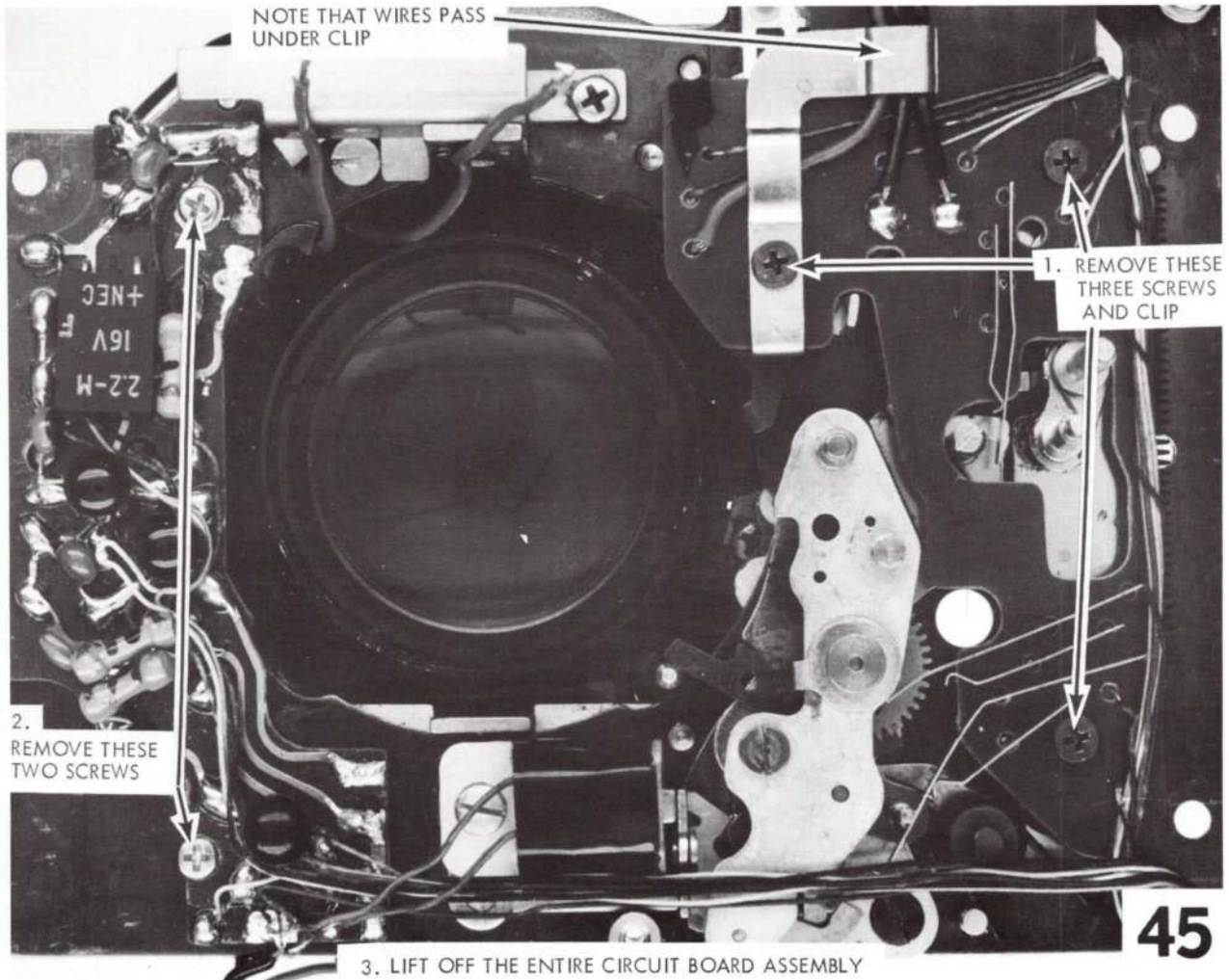


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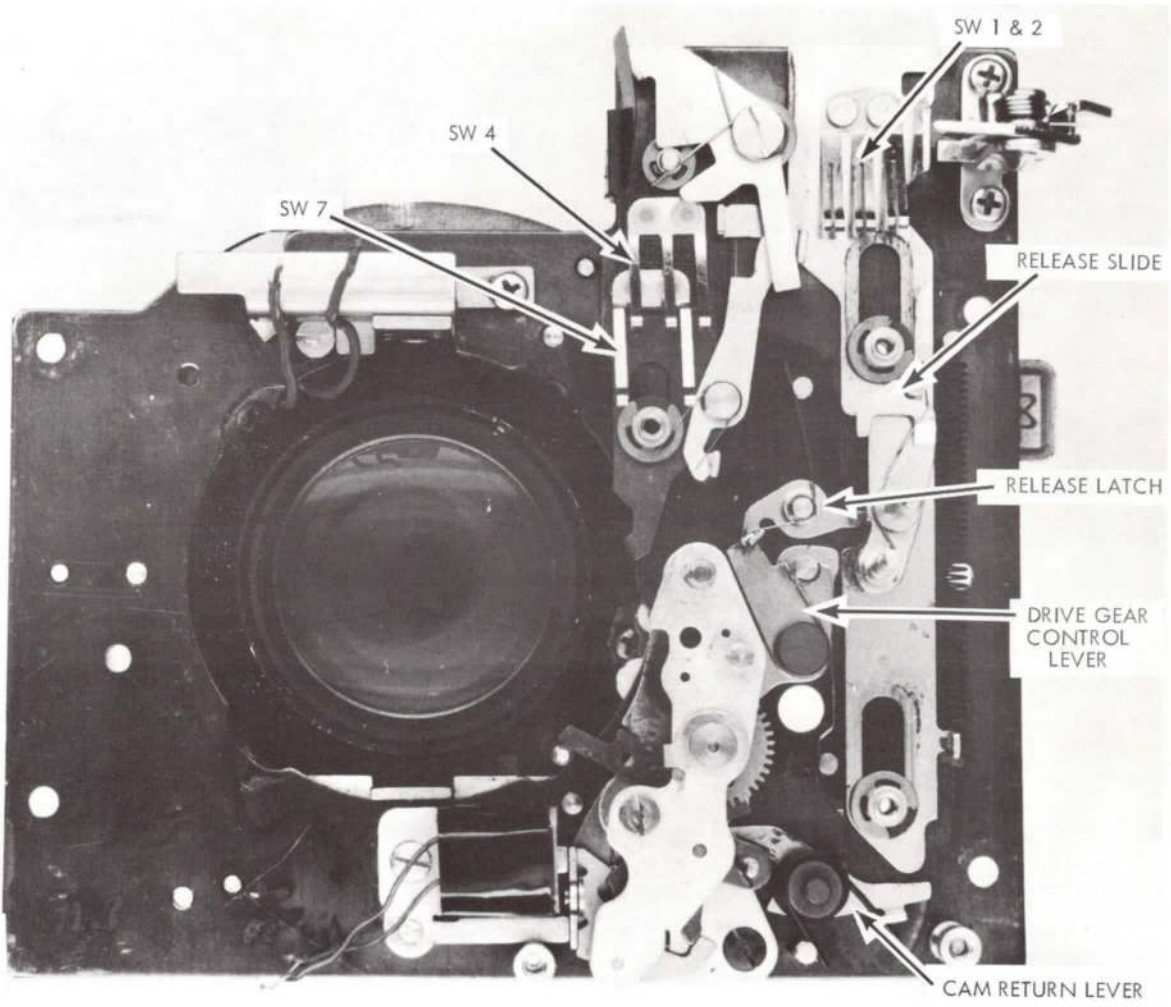


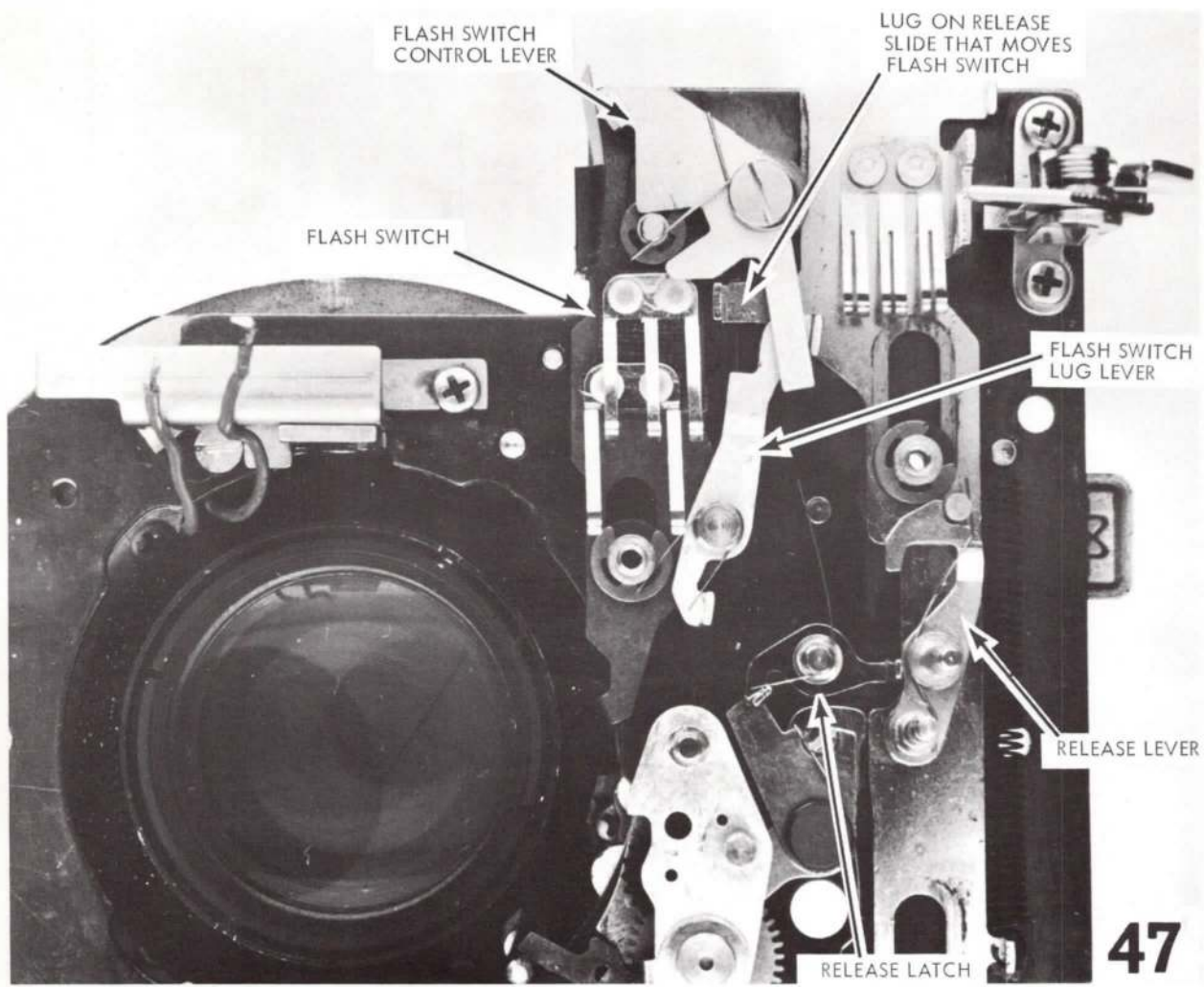
44

UNSOLDER THE TWO ELECTROMAGNET WIRES



46





FLASH SWITCH
CONTROL LEVER

LUG ON RELEASE
SLIDE THAT MOVES
FLASH SWITCH

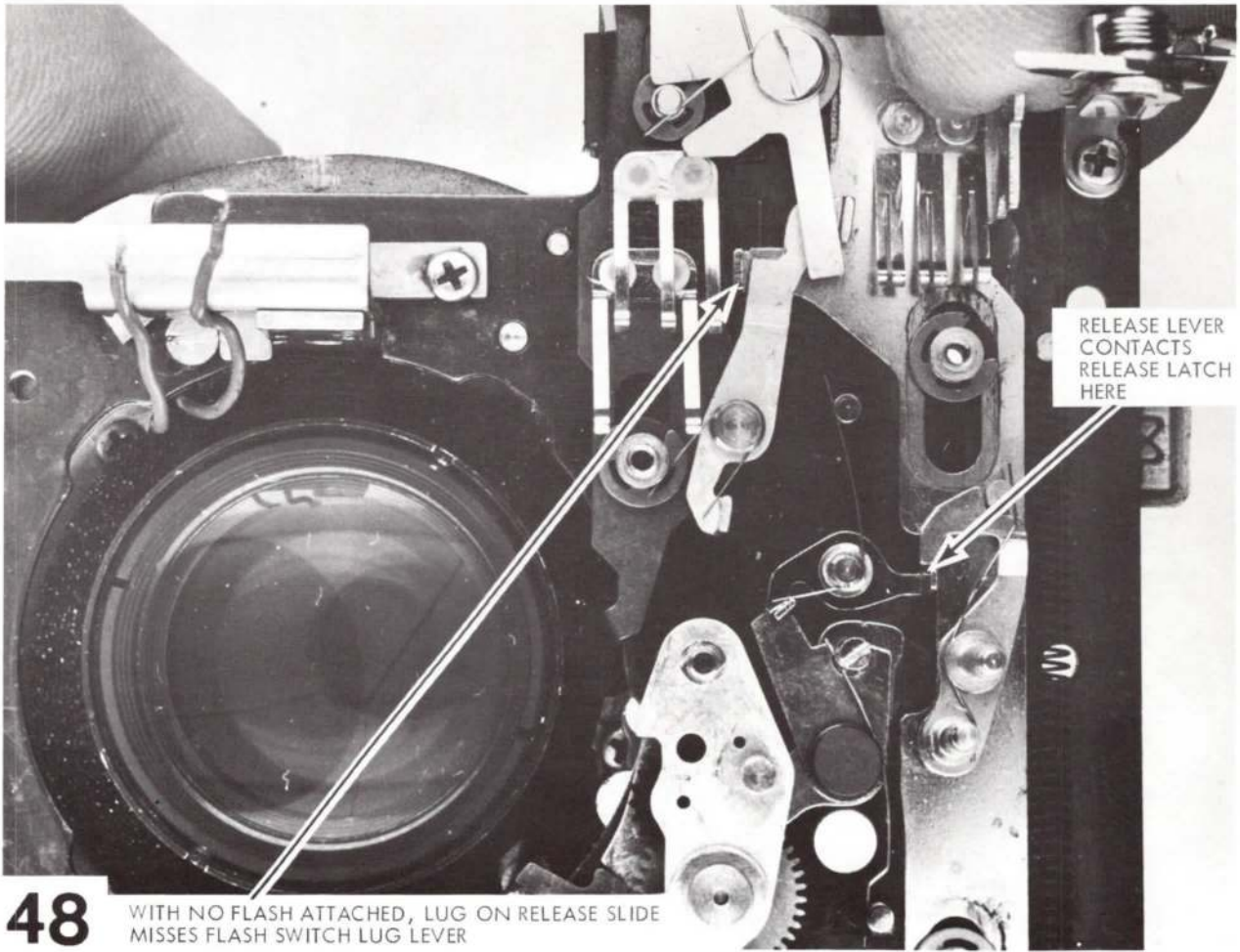
FLASH SWITCH

FLASH SWITCH
LUG LEVER

RELEASE LEVER

RELEASE LATCH

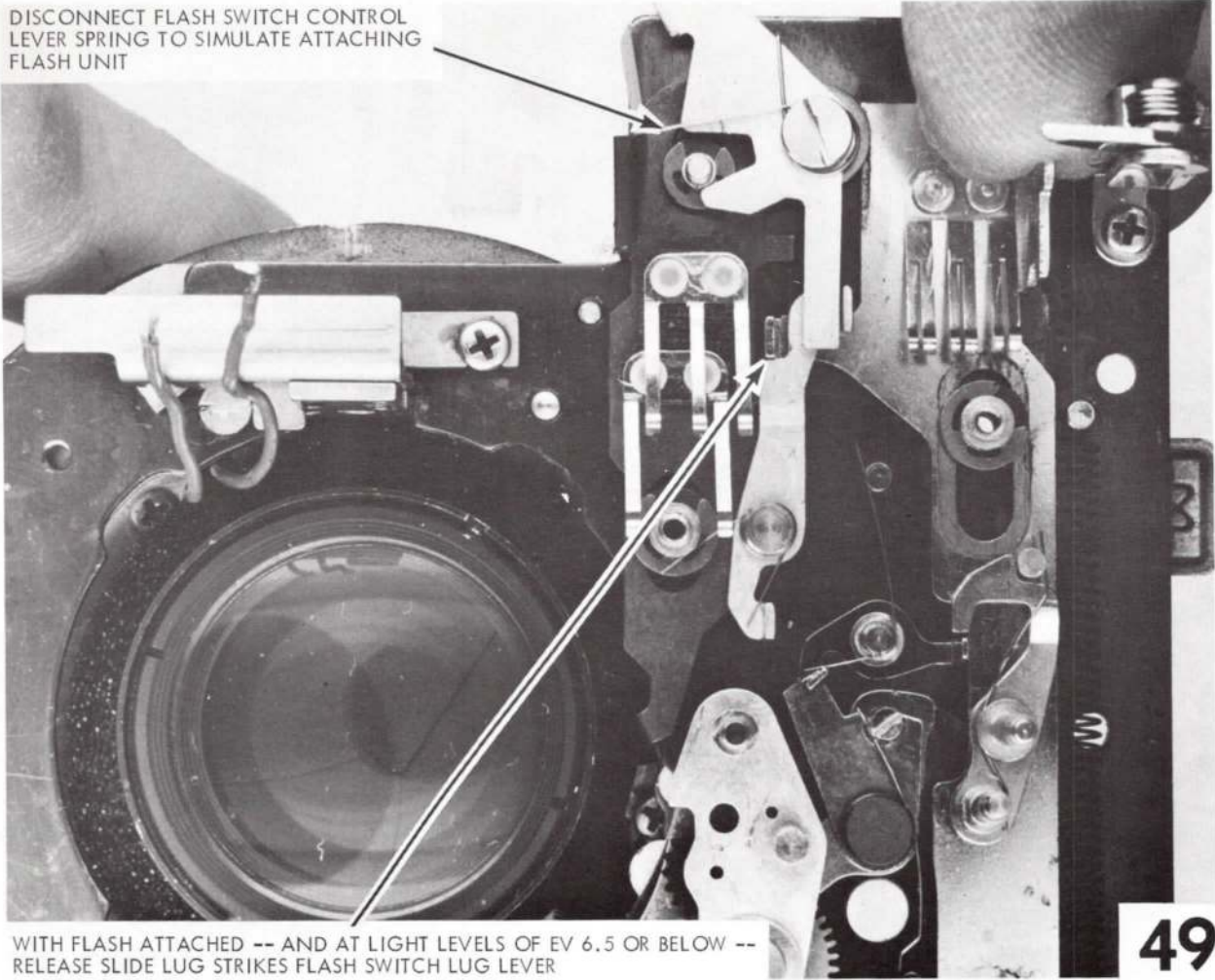
47



RELEASE LEVER
CONTACTS
RELEASE LATCH
HERE

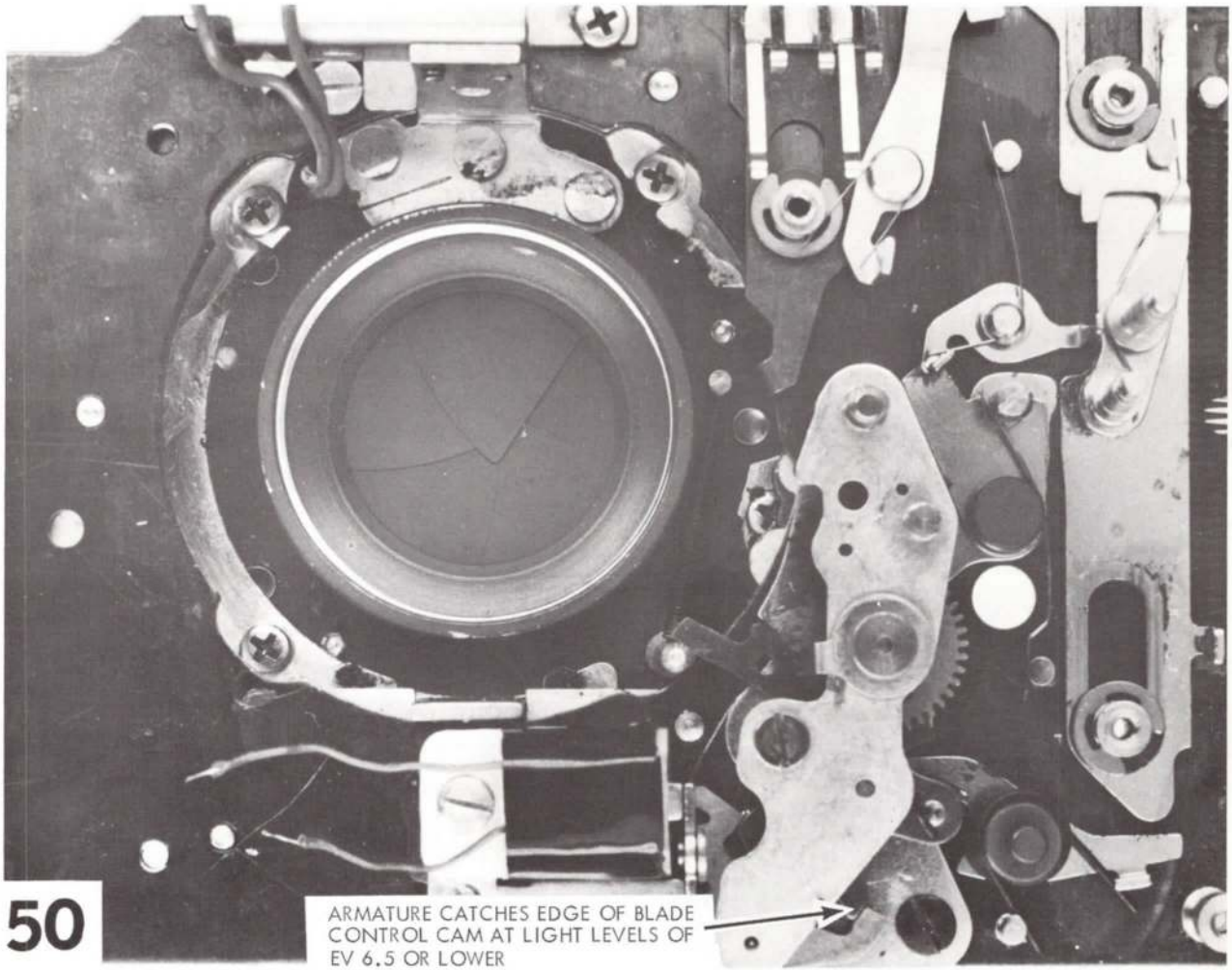
48 WITH NO FLASH ATTACHED, LUG ON RELEASE SLIDE
MISSES FLASH SWITCH LUG LEVER

DISCONNECT FLASH SWITCH CONTROL
LEVER SPRING TO SIMULATE ATTACHING
FLASH UNIT



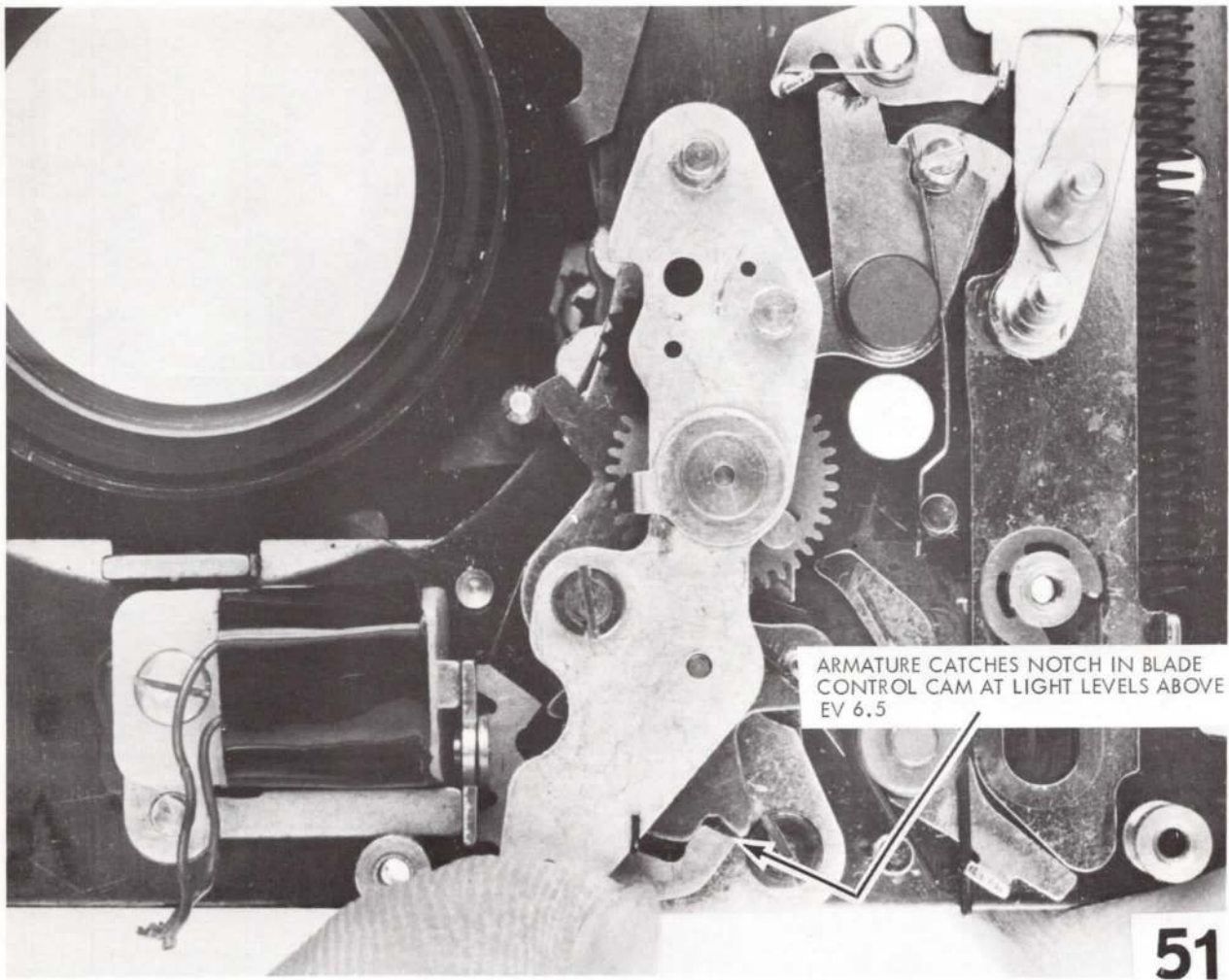
WITH FLASH ATTACHED -- AND AT LIGHT LEVELS OF EV 6.5 OR BELOW --
RELEASE SLIDE LUG STRIKES FLASH SWITCH LUG LEVER

49

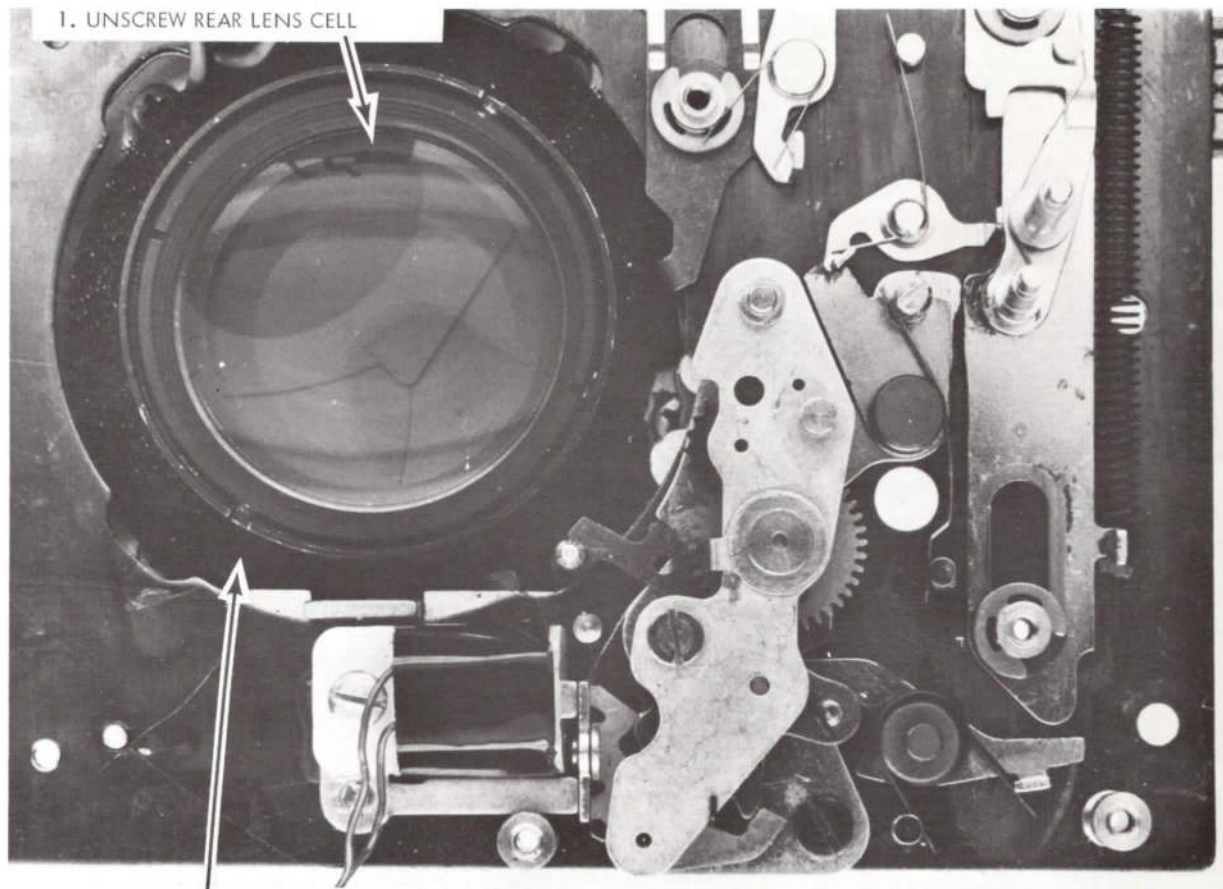


50

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



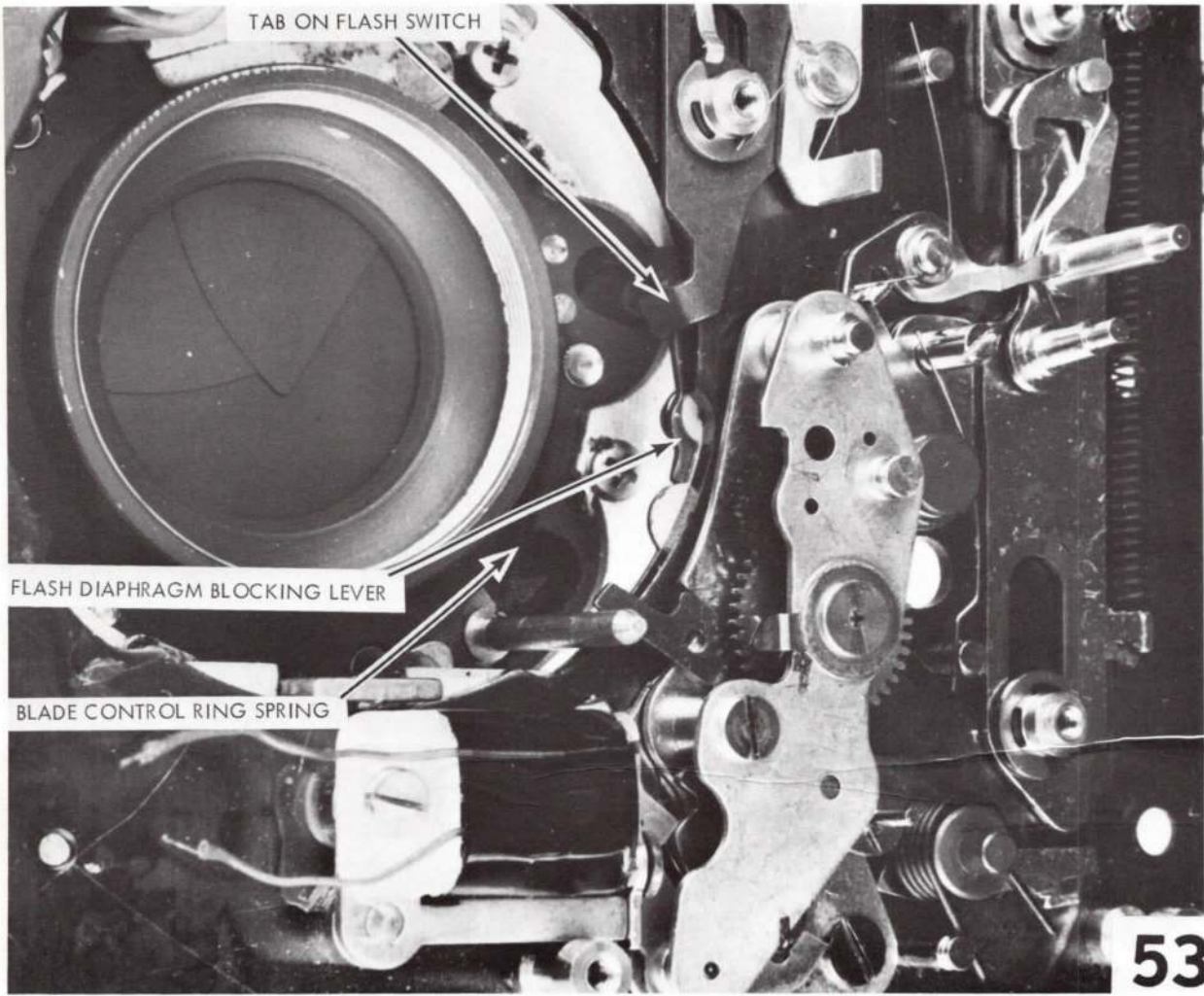
ARMATURE CATCHES NOTCH IN BLADE CONTROL CAM AT LIGHT LEVELS ABOVE EV 6.5



1. UNSCREW REAR LENS CELL

2. REMOVE POROUS PLASTIC RING

52

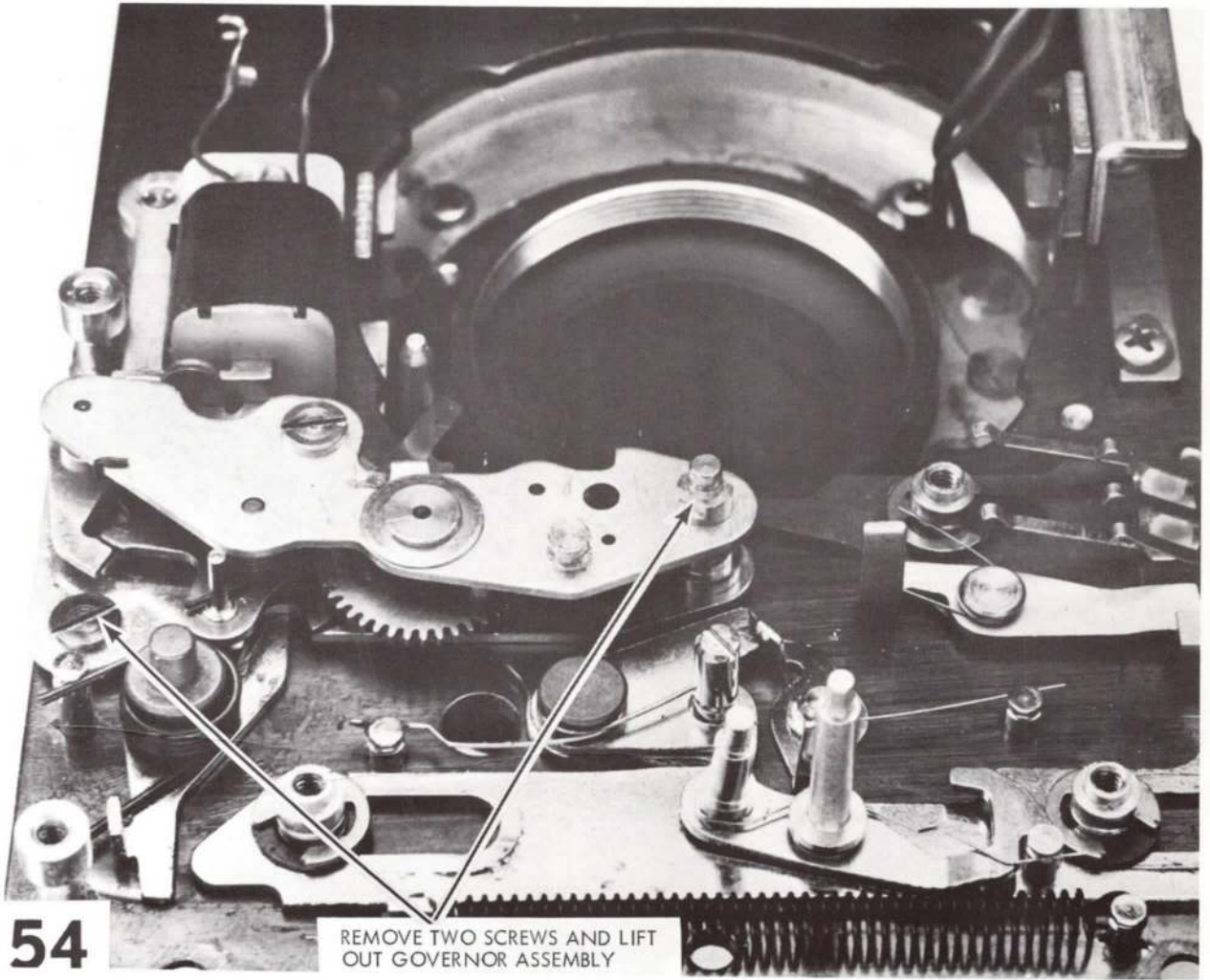


TAB ON FLASH SWITCH

FLASH DIAPHRAGM BLOCKING LEVER

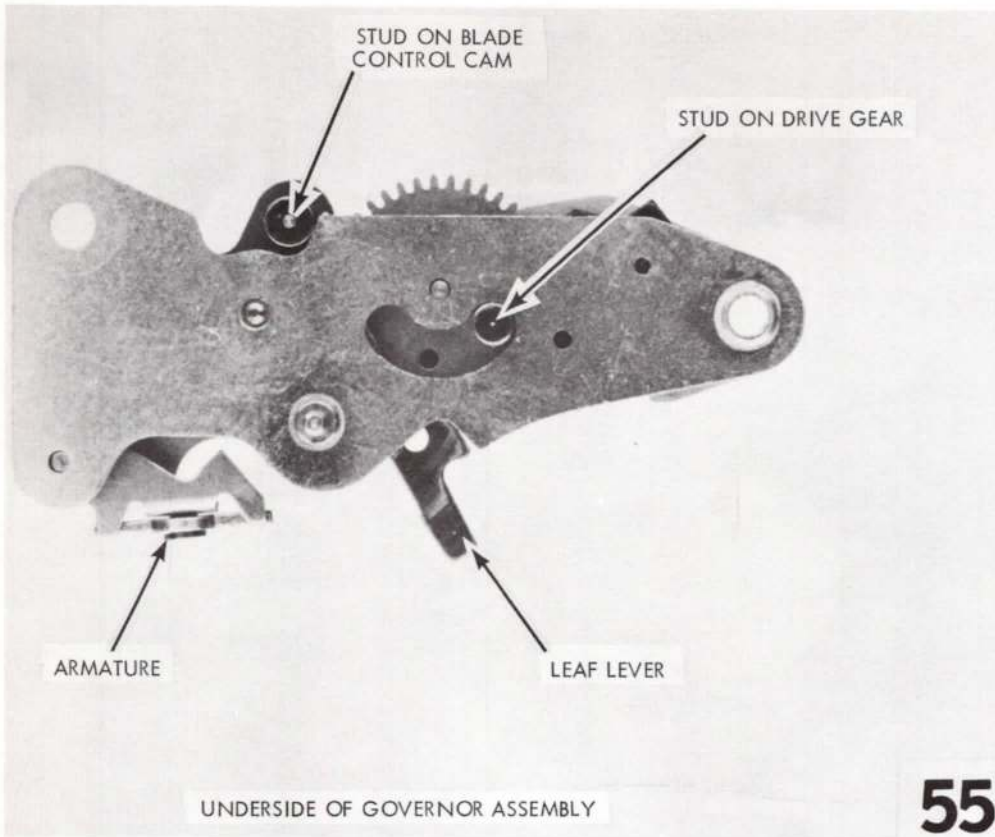
BLADE CONTROL RING SPRING

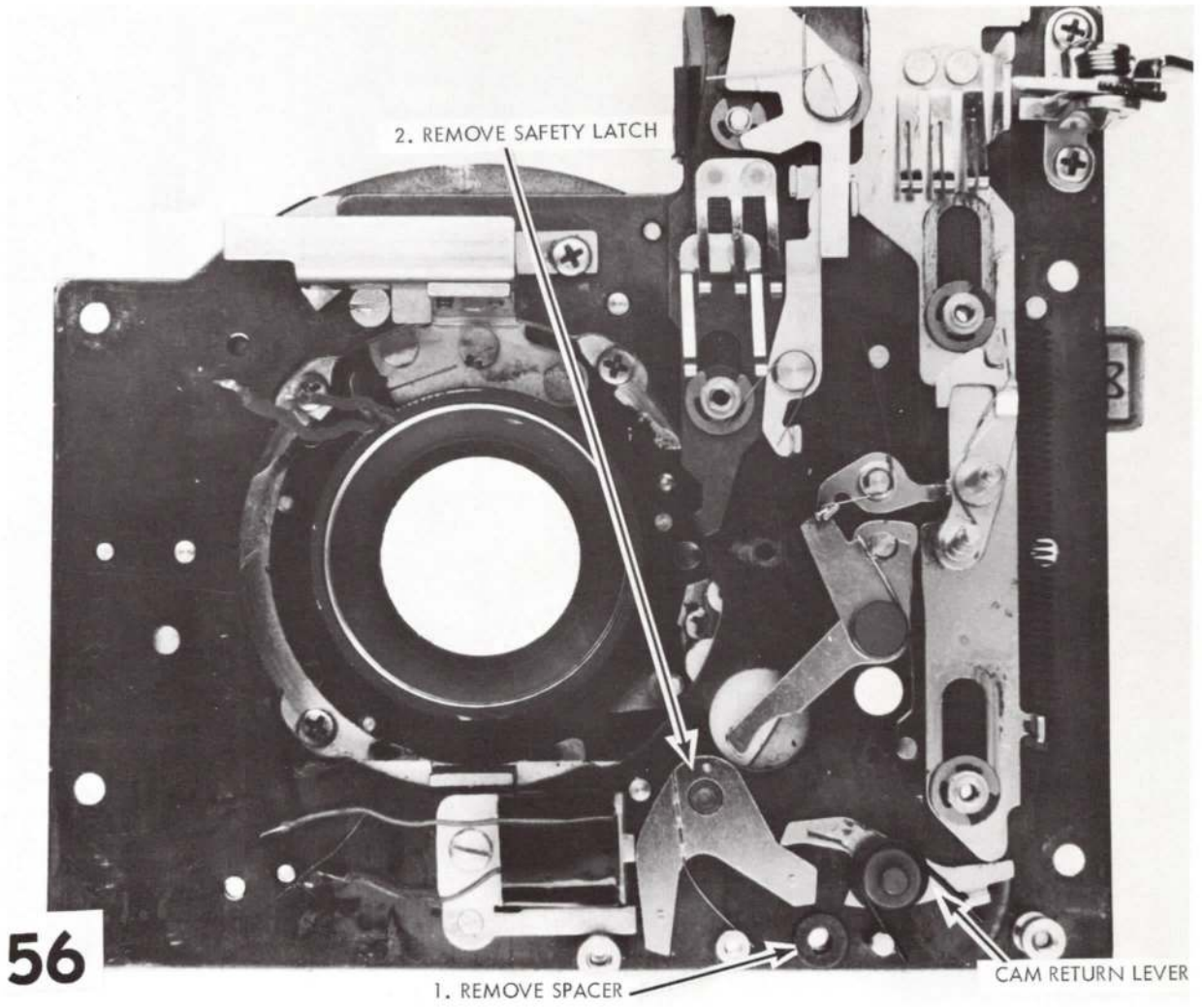
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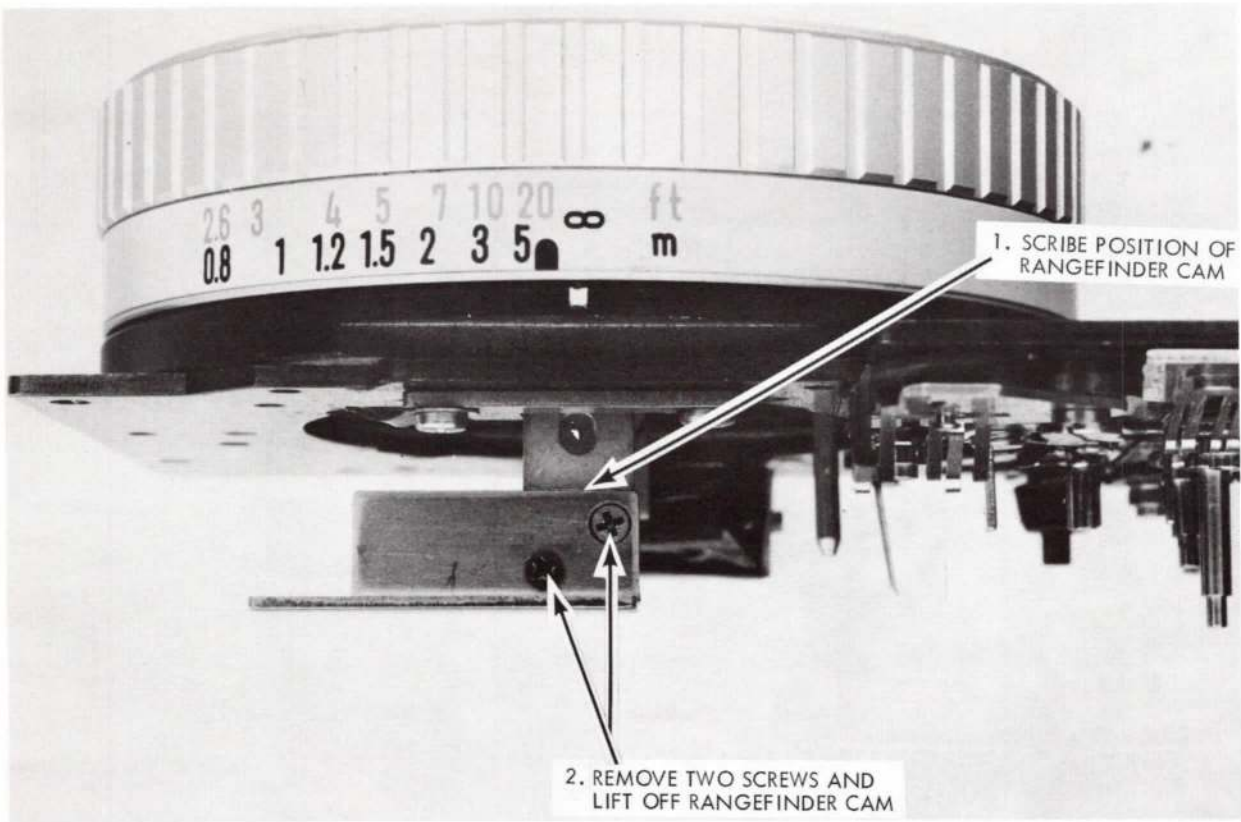


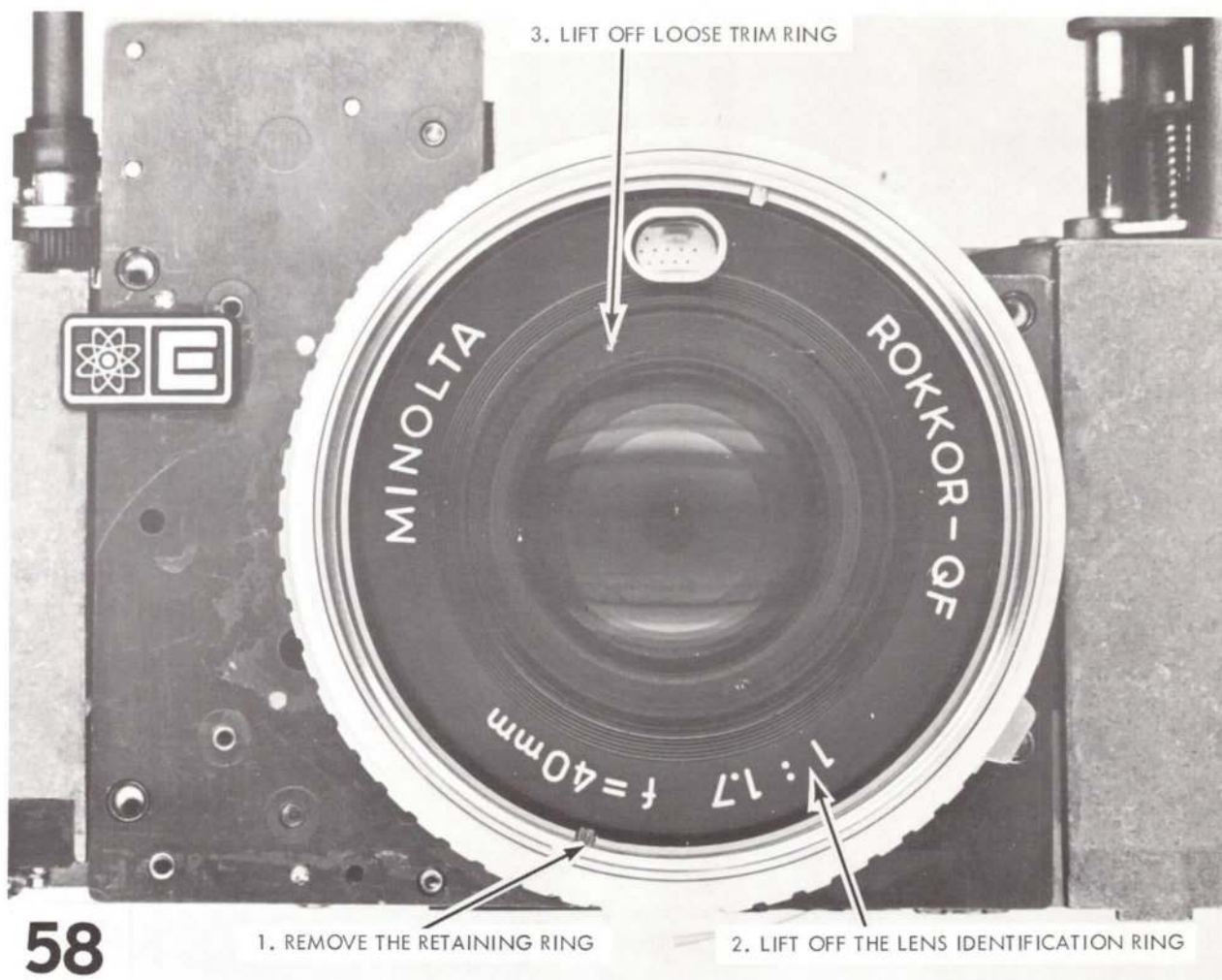
54

REMOVE TWO SCREWS AND LIFT
OUT GOVERNOR ASSEMBLY

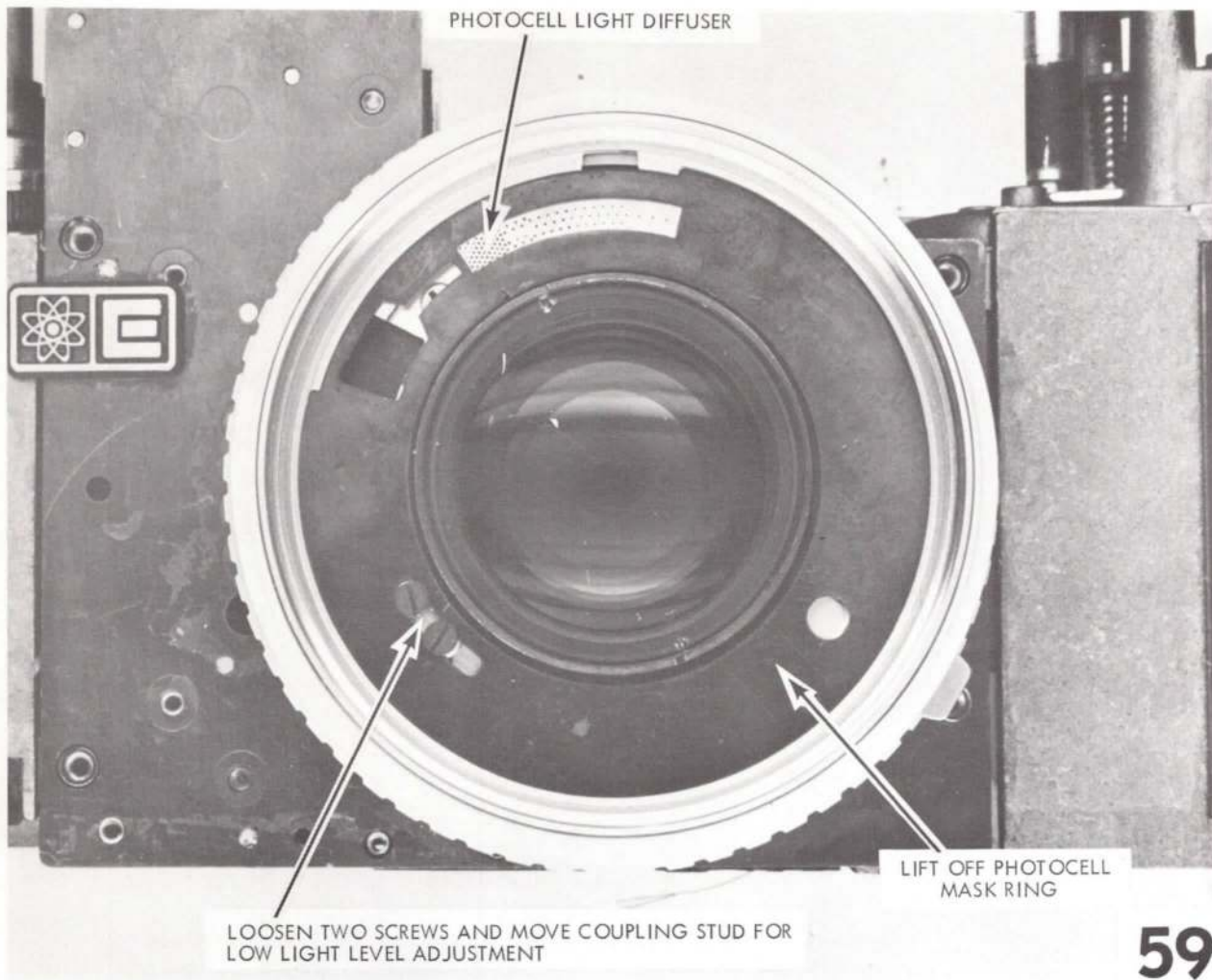








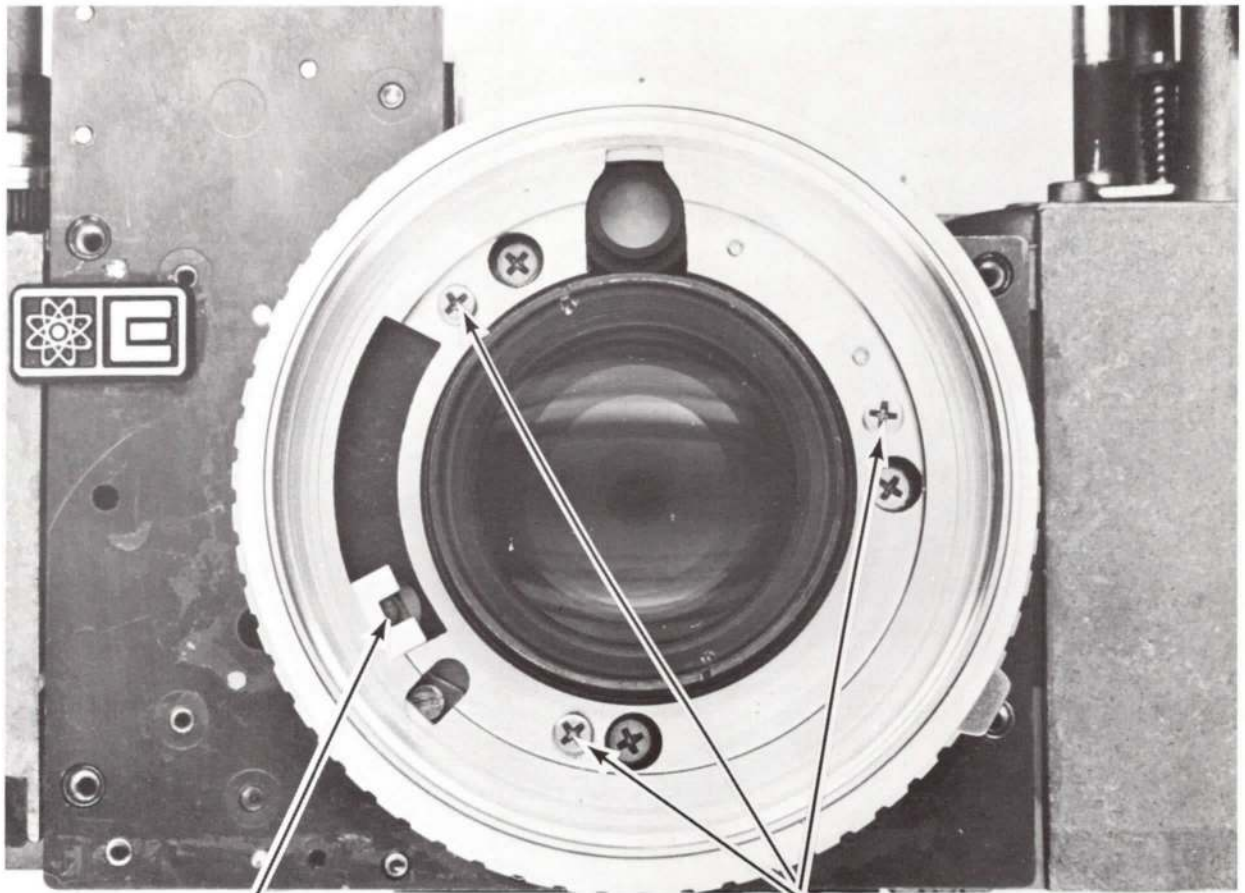
58



PHOTOCELL LIGHT DIFFUSER

LIFT OFF PHOTOCELL MASK RING

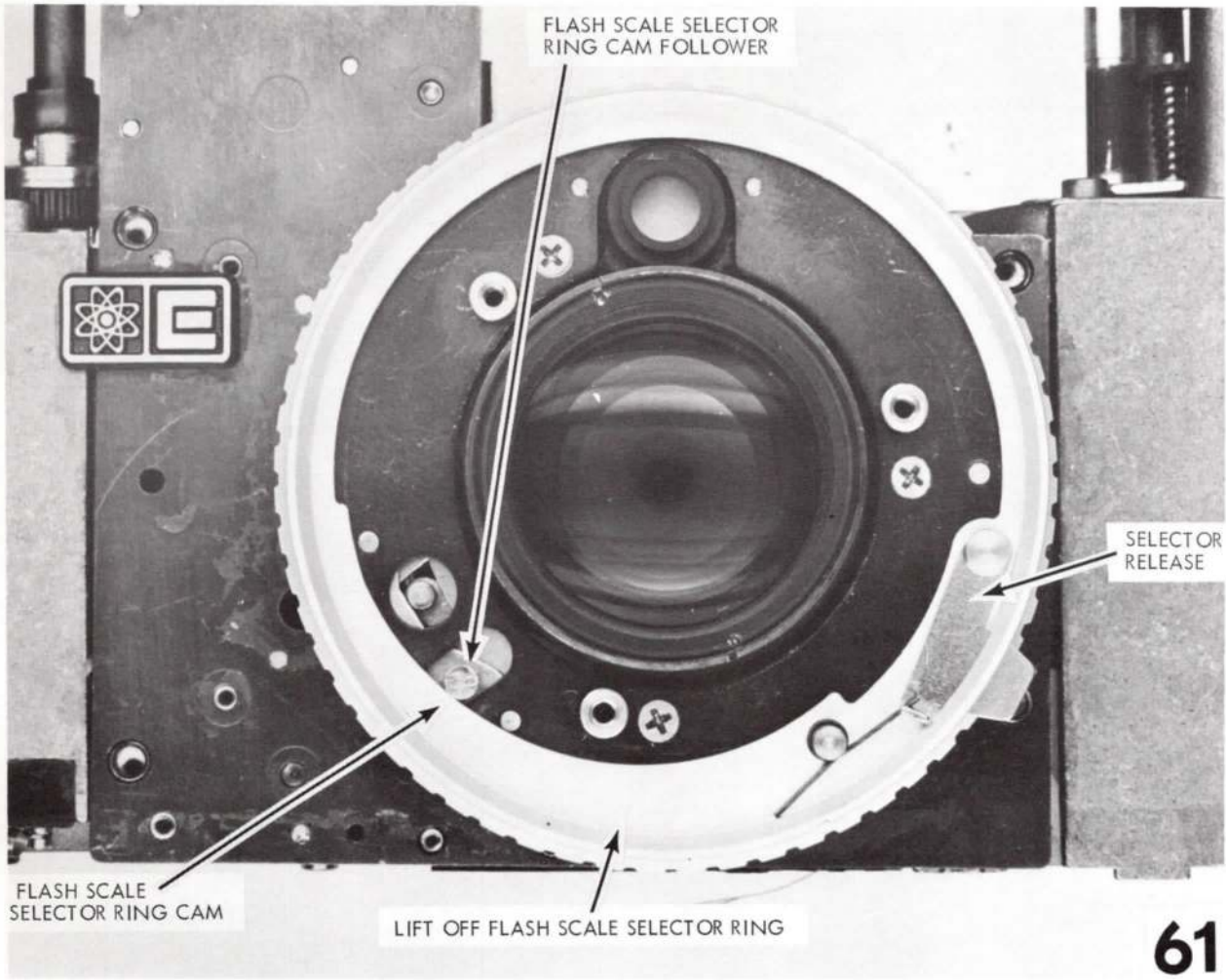
LOOSEN TWO SCREWS AND MOVE COUPLING STUD FOR LOW LIGHT LEVEL ADJUSTMENT



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

60

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



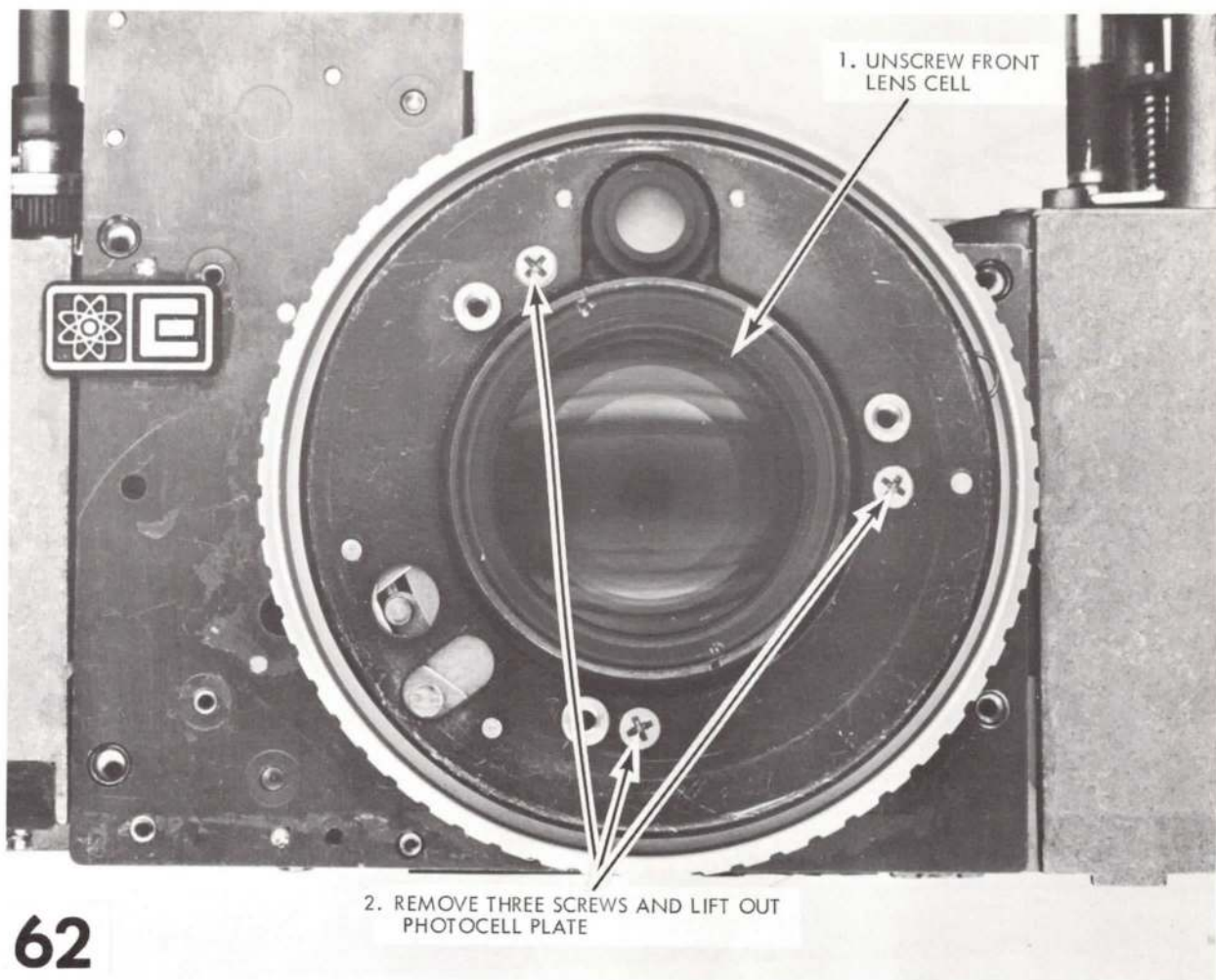
FLASH SCALE SELECTOR
RING CAM FOLLOWER

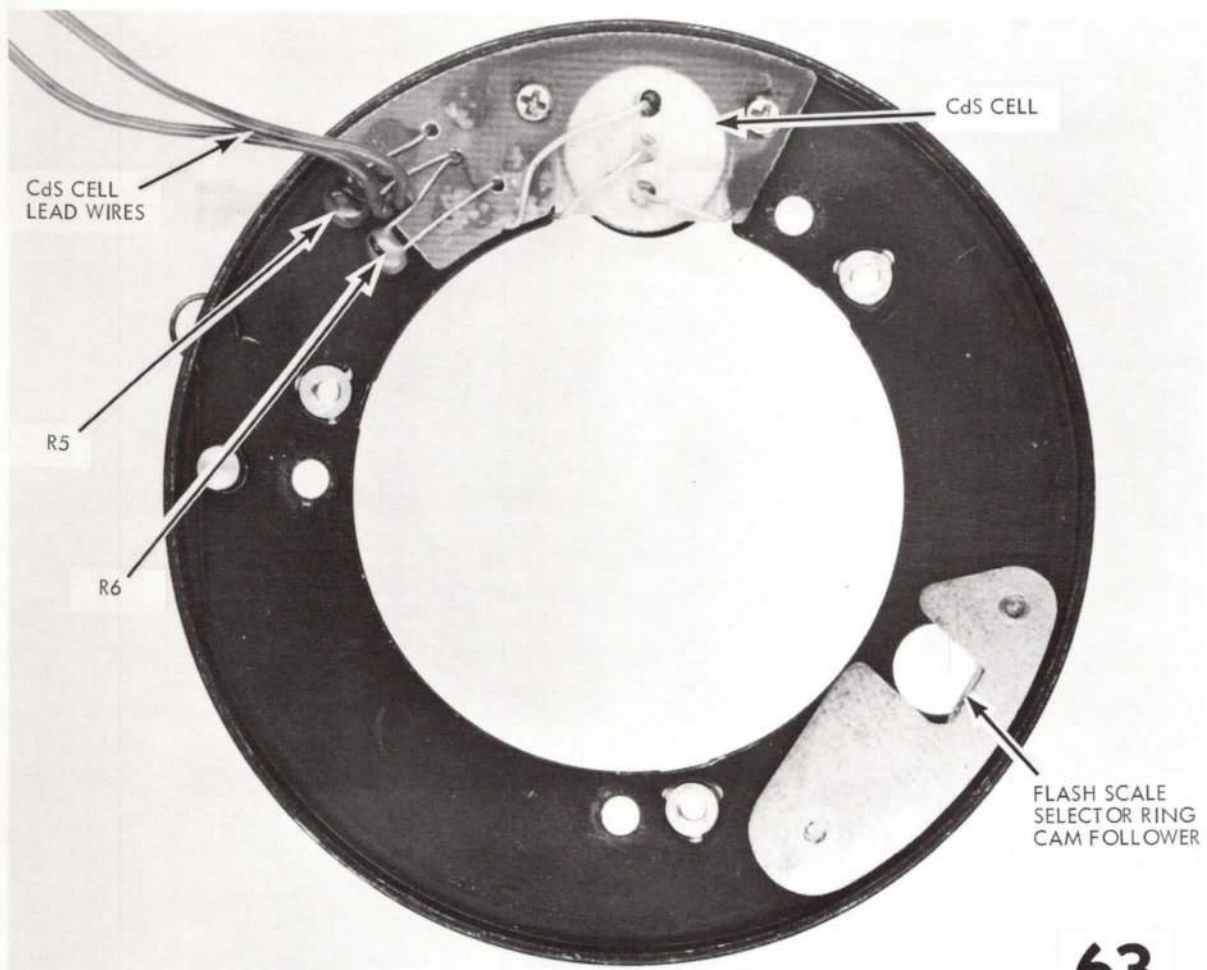
SELECTOR
RELEASE

FLASH SCALE
SELECTOR RING CAM

LIFT OFF FLASH SCALE SELECTOR RING

61





CdS CELL
LEAD WIRES

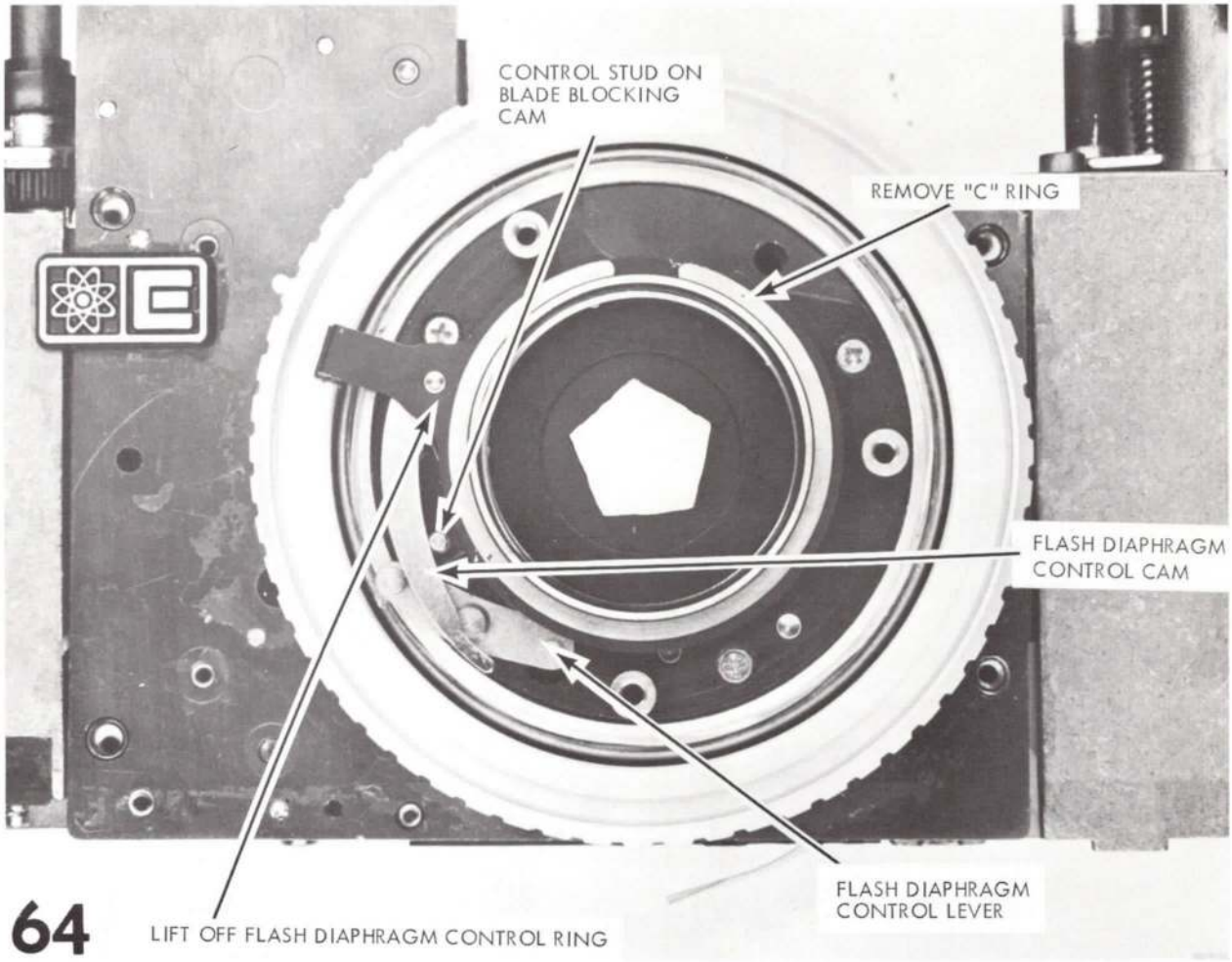
CdS CELL

R5

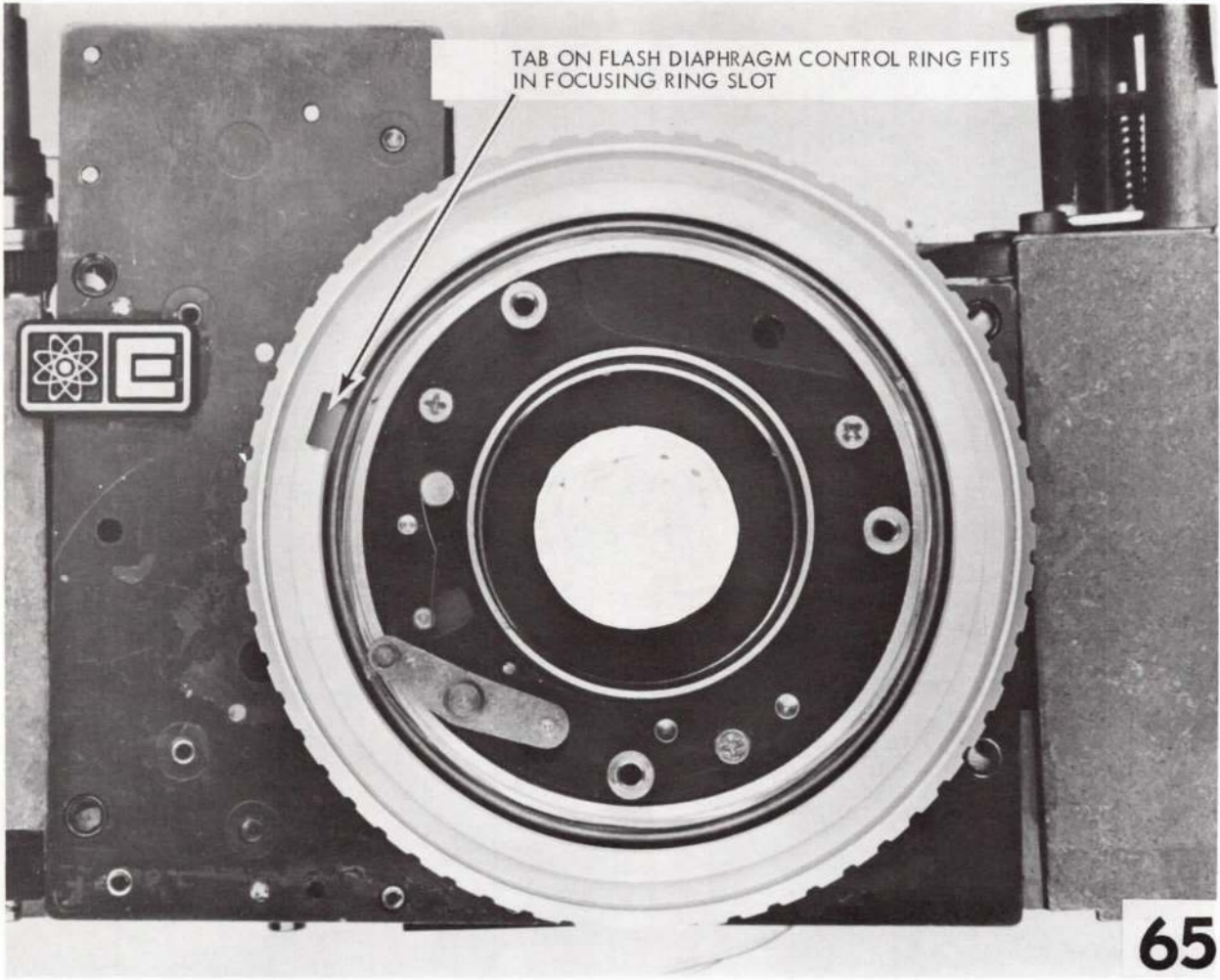
R6

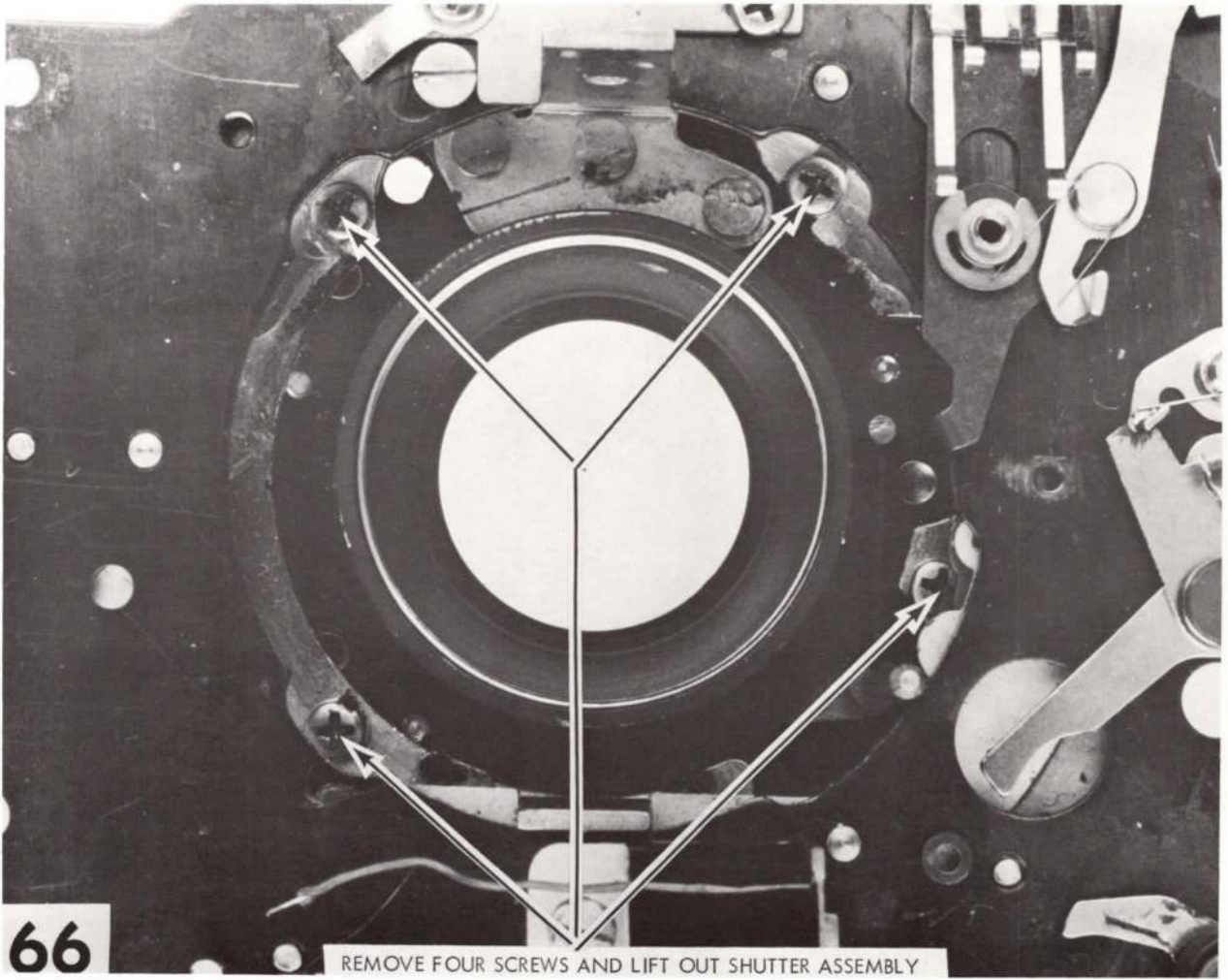
FLASH SCALE
SELECTOR RING
CAM FOLLOWER

UNDERSIDE OF PHOTOCCELL PLATE



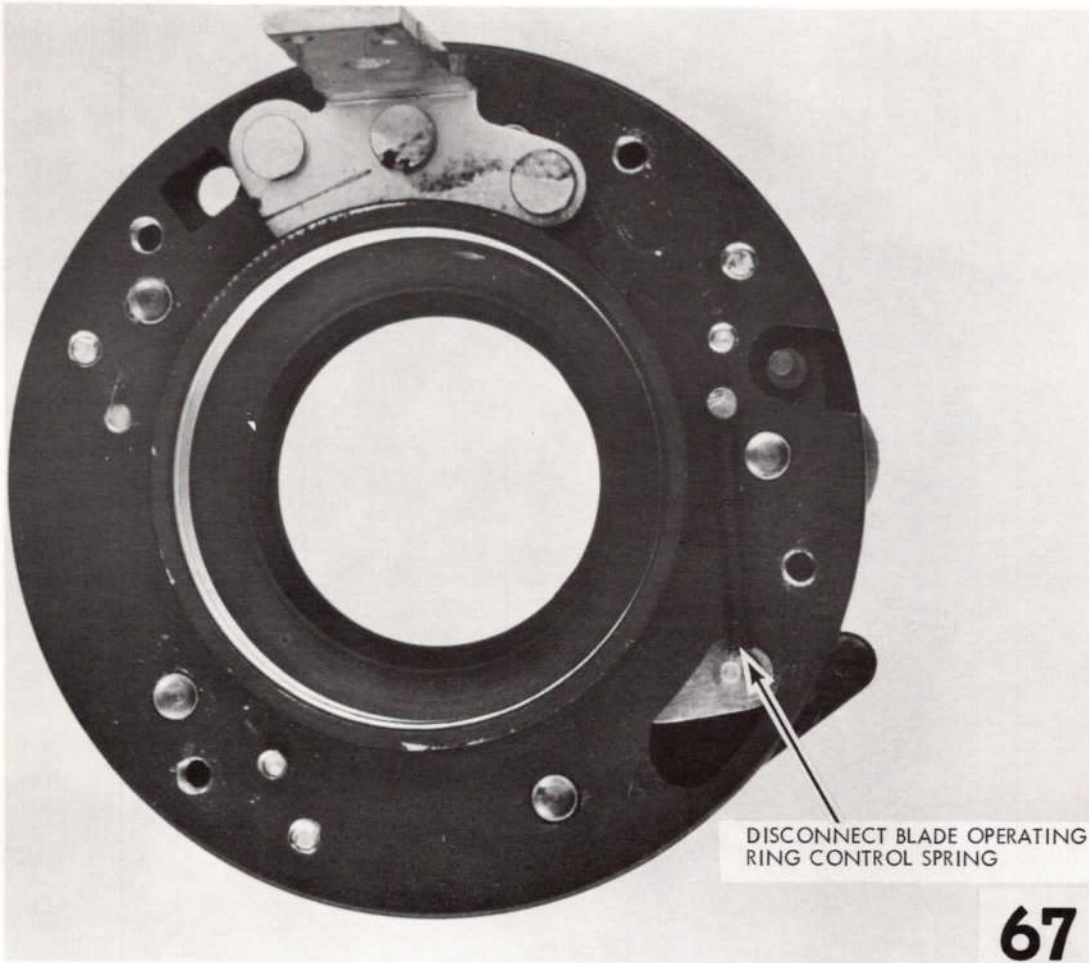
TAB ON FLASH DIAPHRAGM CONTROL RING FITS
IN FOCUSING RING SLOT





66

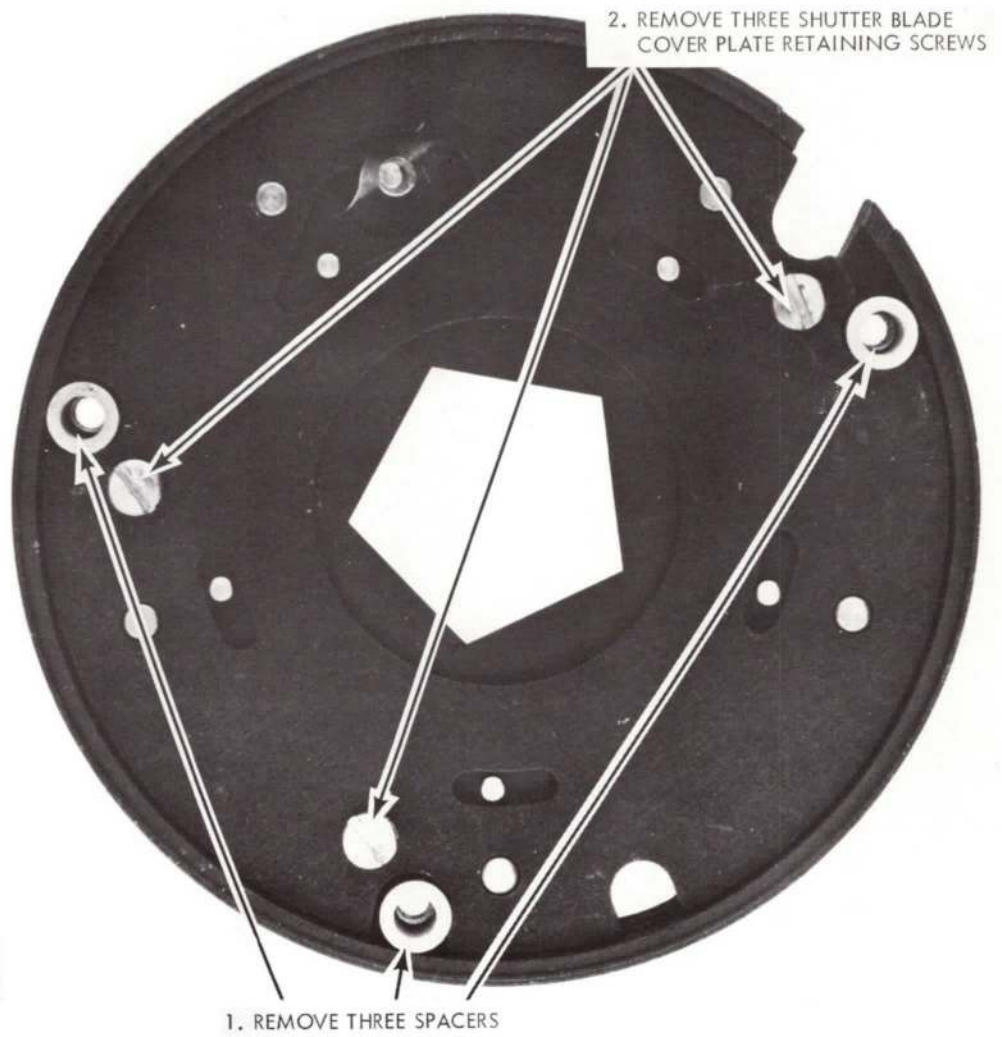
REMOVE FOUR SCREWS AND LIFT OUT SHUTTER ASSEMBLY



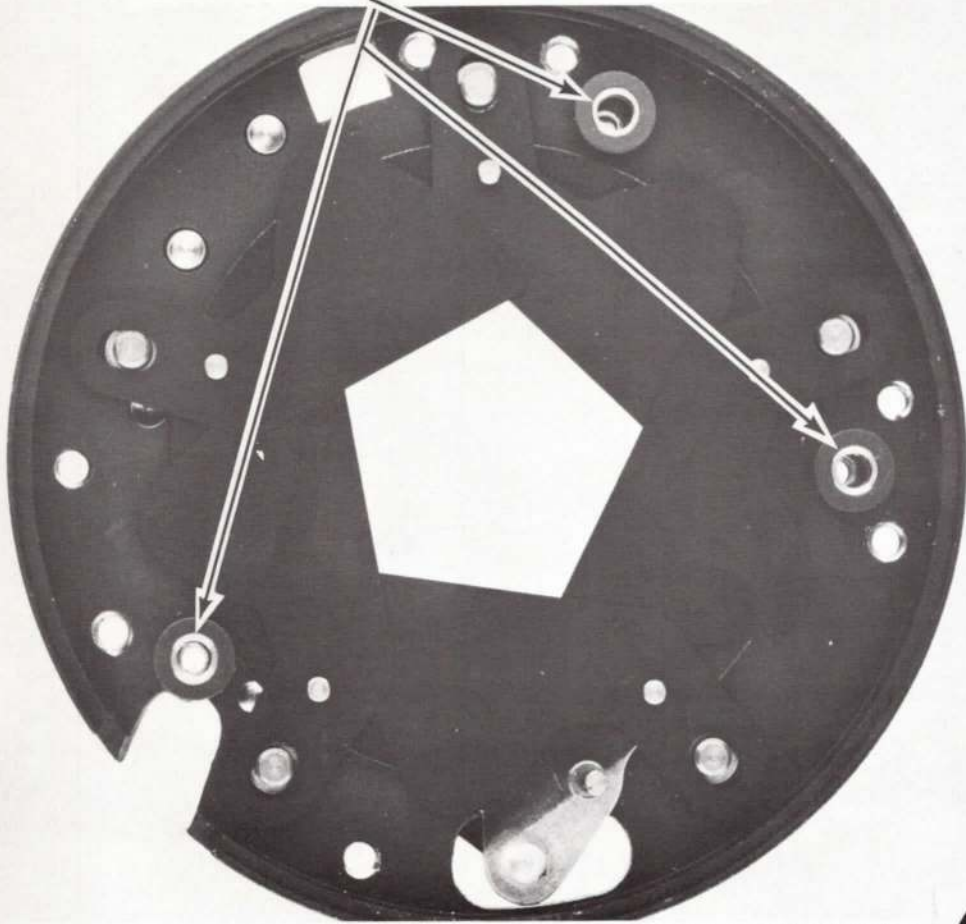
DISCONNECT BLADE OPERATING
RING CONTROL SPRING

67

68

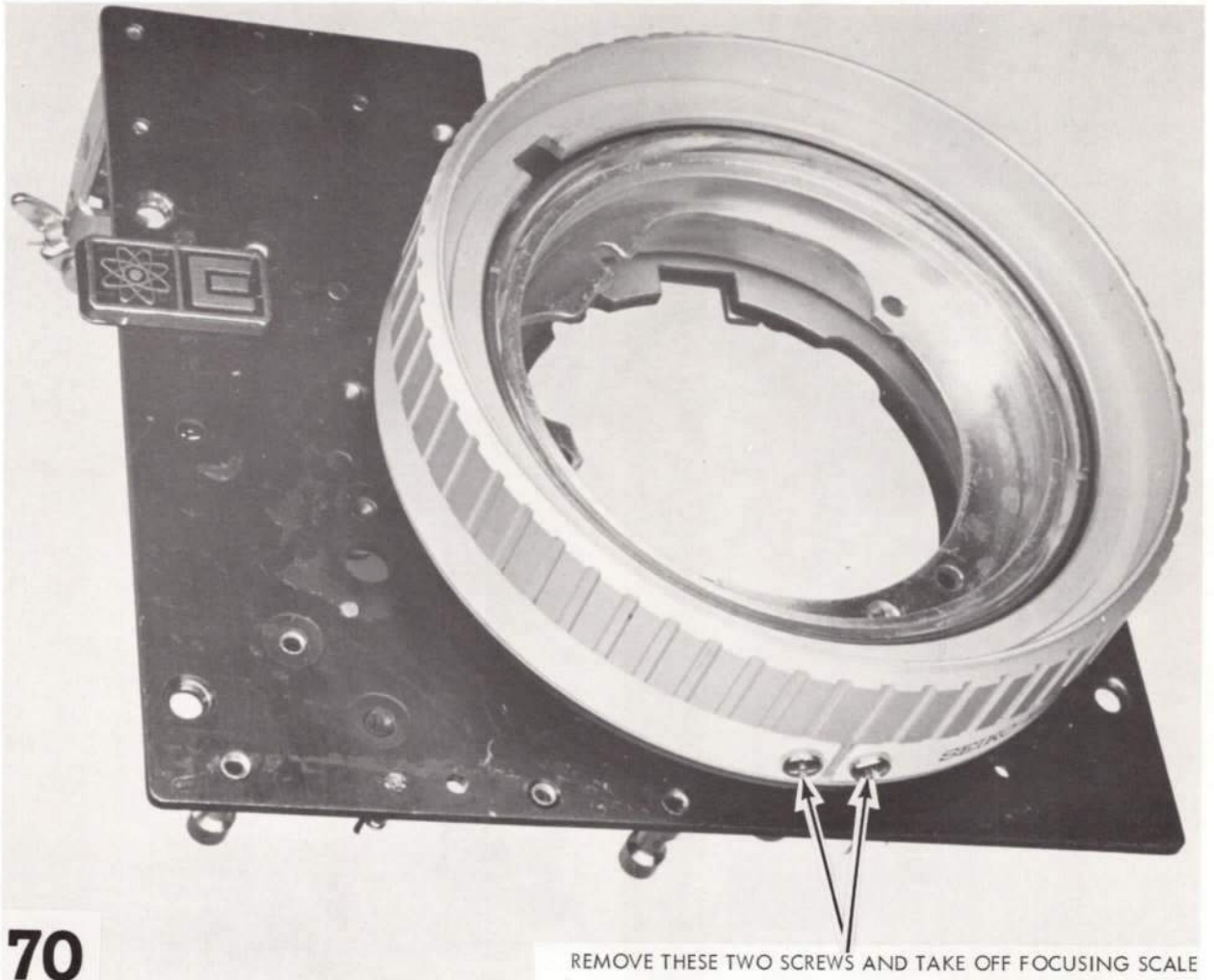


NOTE POSITION OF THREE SPACERS -- REMOVE SPACERS



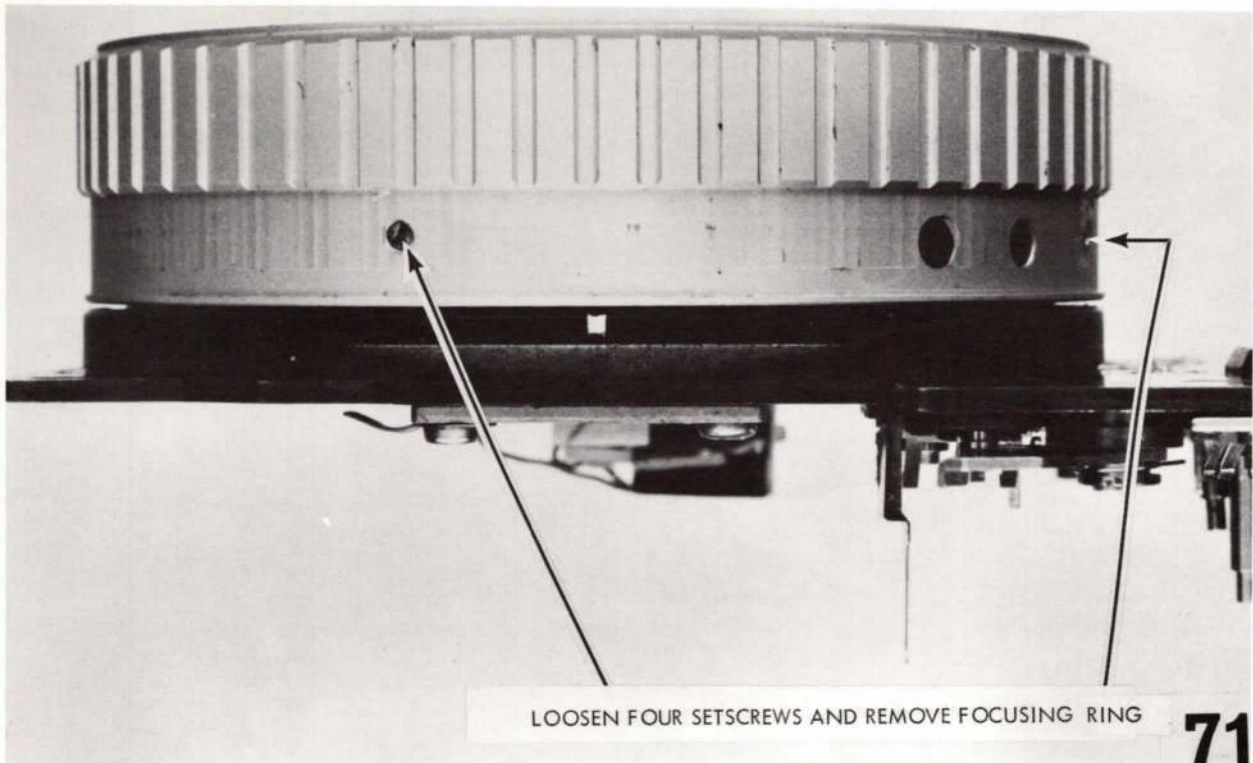
THE SHUTTER BLADES AND BLADE OPERATING RING CAN NOW BE REMOVED FOR CLEANING

69



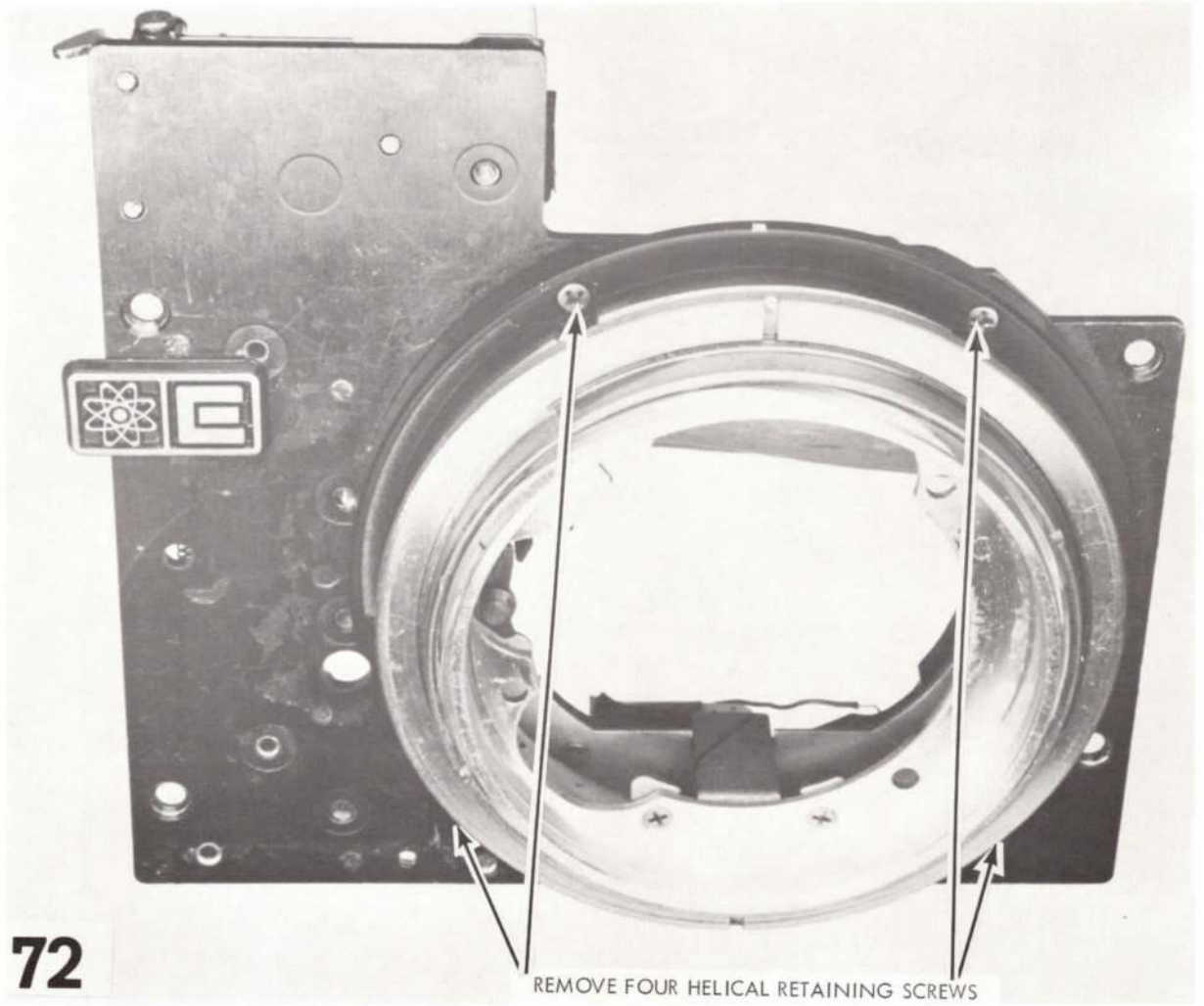
70

REMOVE THESE TWO SCREWS AND TAKE OFF FOCUSING SCALE



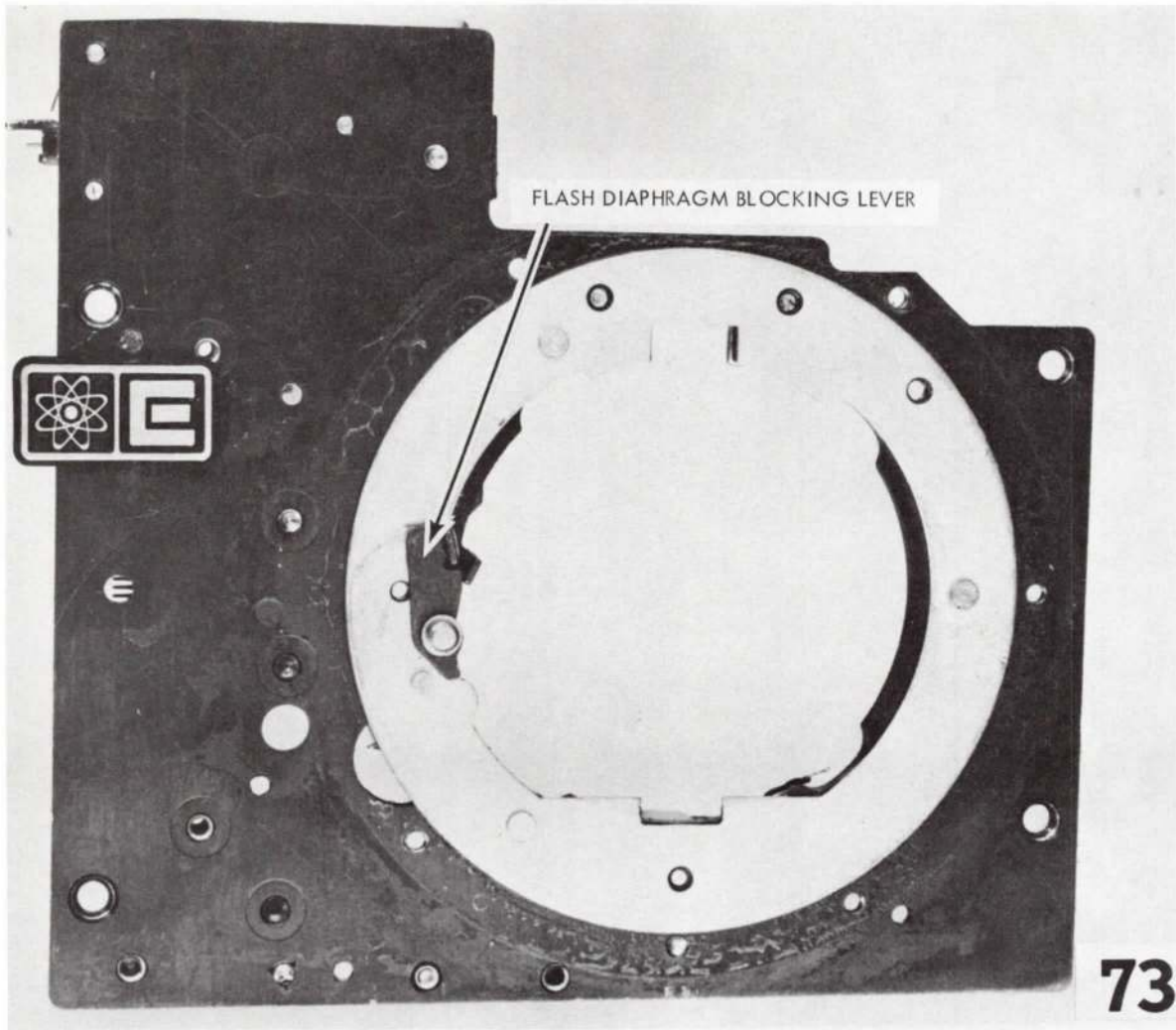
LOOSEN FOUR SETSCREWS AND REMOVE FOCUSING RING

71



72

REMOVE FOUR HELICAL RETAINING SCREWS



FLASH DIAPHRAGM BLOCKING LEVER



73