

ORDER OF DISASSEMBLY

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Caution: X

mark at the head of the part number shows the part which should not be touched directly by fingers. Be sure to cover fingers with rubber fingerstalls, and use new ones when they are discolored to prevent rusting.

1 Removal of CE0503

| Parts to Remove | Q'ty | Tool Used | Removable Parts | Remarks |
|--------------------------------|------|-------------------------------------|---|---|
| CA9030 (T nut) | 1 | KC- CA9030G (Screw driver) | | |
| CA8752 (FW lever holder) | 1 | KC- CA8752G (Screw driver) | Single body (CA9135 (CA8752 CA8753 Single body (CA9180 (CA9180 (CA8751 (CA8806 CA9181 | Pin face hole of CA9135 and hole of CA8752 are accorded. and the parts are removable together in one body. |
| CA8777 (Fastening ring) | 1 | KC- CA8777G (Screw driver) | | KC-CA8777G is made of aluminum, and take care not scratch. |
| CA8725 (R Knob) | 1 | KC-0071M (Wrench) | Single body CA9150 CA8730 CA8731 | CA8733 is easy to be deformed and thus the jig at left must be used. |
| PSK1.7x 4SB (Screw) | 2 | Plus Screw- driver | CE0503 unit CE0525 CE0527 (0 - 3 ea.) CA8722 NW8.6- 2136BO (0 - 1 ea.) | Prior to the removal of CE0503. set the switching lever to the OFF position and ASA to 100. The OFF and ASA 100 setting on the body side are as follow |

| Parts to Remove | Q'ty | Tool Used | Removable Parts | Remarks |
|--------------------|------|-----------|--------------------|-----------------------------------|
| | | | | Manual |
| | | | | |
| | | | | OFF Position of SW base plate |
| | | | | |
| | | | | ASA 100 Position of AR base plate |

[2] Separation of CE0502 (Front casting) from Die-cast Body

Basically, there is no difference as compared with OM-1, but the number of soldered portion is increased.

| Parts to Remove | Q'ty | Tool Used | Removable Parts | Remarks |
|---------------------|------|--|---------------------------------|---|
| CE0524 Lead Wire | 1 | Soldering Iron | Thermo- constrictive Tube | CE0503 should be then being removed. Remove first from the vinyl tube portion. LW on the die-cast body side is white. |
| CE0526 Lead Wire | 1 | Unger Three-wire Soldering Iron | Thermo- constrictive Tube | Remove the portion between 10KΩ resistor and purple LW (RBJ-M115). |

| Parts to Remove | Q'ty | Tool Used | Removable Parts | Remarks |
|--|------|-------------------------------------|--|--|
| Remove the soldered checker LW (RBJ- B30) from CA9483 (SW base plate) | 1 | Soldering Iron of 20W or less | | SW Base Plate |
| Remove the soldered two LWs (RBJ-Y105. RBJ-W105) of CE0640 (Base plate A) | 2 | " | | RBJ-Y105 (Yellow) RBJ-W105 (White) |
| Remove the battery compart- ment LW (RBJ-B170) from CA9483 (SW base plate) | 2 | " | | RBJ-B170 Black |
| Remove the red LW (RBJ-R47) of the front casting and the red LW (RBJ-R125) of the diecast body bottom. | | | Reference: • Red LW of the front casting is removable from the FP contact piece. • Red LW of the die-cast body bottom is remova- ble from the X contact piece. | Lower cover should be then being removed. Red and Black LWs LW Storage The above illustration shows the condition with the lower cover removed. |

| Parts to Remove | Q'ty | Tool Used | Removable Parts | Remarks |
|--|------|---|---|---|
| Remove the black LW (RBJ-B60) of the front casting and the black LW (RBJ-B100) of the diecast body bottom. | | o Black LW of the front casting is removable from the main switch o Black LW of the die- cast body bottom is removable from the MG. | | |
| PUK1.4- 404ST | 1 | Plus Screw- driver | CE0951 | 679 |
| CA9156 (Light proof padding) | 2 | Tweezers | | Raise the movable mirror with finger before the remova |
| CE0955 (Covering plate) | 1 | | Caution: CE0955 is soldered to CE0914 with the lead wire, but the removal of the solder is unnecessary. | Adhered to the arrowed portion with pliobond. |
| CA9155 (Screw) | 4 | Plus Screw- driver | | Before removing the screw. peel off CA9102 and CA9103. For CA9103. it is sufficient to peel off the half from the strap eyelet R side in the self-lever direction. |
| PUK1.7- 516SO (Screw) | 2 | Plus Screw- driver | SM Frame CE0502 | |

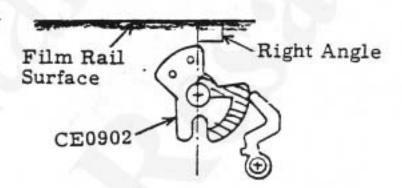
(1) Removal of CE0502 (Front casting)

Set the SW base plate to the OFF position, keep the mirror up with the finger and remove while moving CE0502 slightly up and down so that its upper part is removed first. When the upper part has been removed, continue the removal so as to remove the part on the self-timer side. There is the possibility of breaking the vinyl covering of white and yellow LWs of CE640 when moving up and down. Thus, displace the LWs sideways to prevent the above. When CE0502 is removed, CE0955 may be hooked. In such case, thus, pay attention not to break the LW and make scratches on the mirror.

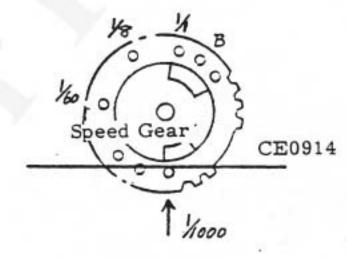
- (2) Order of Docking
- 1) Preparation on the Die-cast Body Side
- a) Set CE0902 to the OFF position.

Never turn CE0902. except the oblique line portion in the right illustration, to prevent the deformation of the contact piece.

- b) Set CE0829 to 1/1000. After setting, keep it unmoved until four front screws are tightened.
- c) Return to the pre-winding condition to protect the opening shutter curtain.
- Preparation on the CE0502 Side
- a) Set CA9483 to the OFF position.
- b) Set the shutter dial to 1/1000.
- c) Return to the condition before the mirror charge.
- Docking
- a) Pass the red and black LWs coming out below CE0502 through the LW hole of the body.
- b) When CE0955 is wired by the LW. flip up the mirror with the finger and place it into the mirror box.
- c) Insert CE0955 from the lower right portion into the body so as to insert the R shaft side first. (Take care not to jam each LW: pay attention because CE0902 is easy to move.)



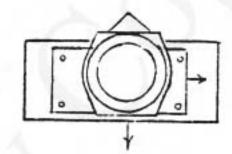
CE0914



Die-cast Body

Hole for LW

- d) Make sure that the pin underneath CA9483 and the groove of CE0902 are accorded (verify switching).
- e) Hook the self-timer on the screw of the release plate.
- f) Tighten four CA9155. Apply CE0502 to the lower right side. and fasten it in the diagonal direction.

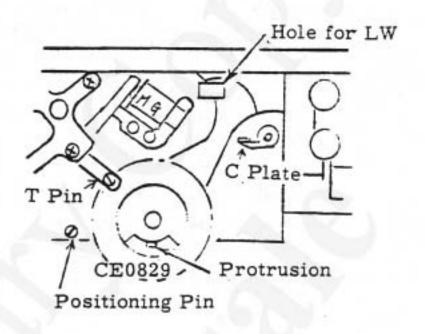


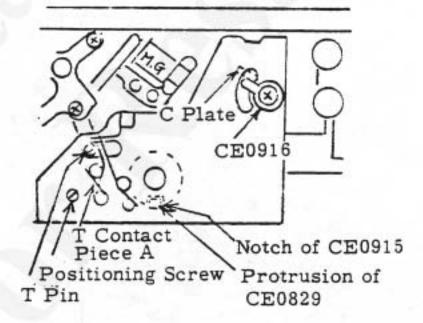
[3] Removal of CE0914 M circuit board (CE0502 should be being removed.)

| Parts to Remove | Q'ty | Tool Used | Removable Parts | Remarks |
|---|-----------|--|--------------------|---|
| Remove bonding of RBJ-W105 (white LW) and RBJ- Y105 (yellow LW) | 1 each | Pincette | | Re-bonding must be made on the original bonding position. |
| Desolder green and orange LWs of CE0942. | 1 each | Unger Three-wire Soldering Iron | | Green LW Orange L |
| Desolder brown LW (RBJ-C95) on the die- cast body bottom. | 1 | " | CA 8076 | |

| Parts to Remove | Q'ty | Tool Used | Removable Parts | Remarks |
|---|-----------|--|---|--|
| Desolder purple LW(RBJ- M25) and black LW (RBJ-B25) of magnet. | 1 each | Unger Three-wire Soldering Iron | | Black LW Black LW Black LW Purple LW |
| Desolder purple LW (RBJ-M115) of die-cast body and purple LW (RBJ-M20) of CE0938. Peel green. brown and orange LWs bonded to die-cast body bottom. | 1 | | CA8076 | After peeling off the bonding, pull each LW from under CE0515. |
| CE0923 (Screw) | 1 | Flat | Single body CE0914 CE0938 CE0915 CE0829 | Caution: (1) Rubber fingerstalls must be used. (2) The screwdriver-adjusting resistor must not be rotated. (3) The oblique line portions in the illustration below should never be smudged. |

- Order of Placement of CE0914
 (Use rubber fingerstalls.)
- Pass brown, green and orange LWs of CE0914 through the LW hole of die-cast body.
- Set the protrusion of CE0829 toward you and. with CE0914.
 the notch of CE0915 toward you.
- Accord CE0913 with CE0916 of CE0914. (CE0913 is to be recommendably set to the MANUAL position.)
 Push into CE0913 with CE0916.
- Match T pin with CE0931 of CE0914. (The released shutter condition is recommendable.)
- 5) Put the position hole of CE0914 on the positioning screw. and, at the same time, match CE0829 with CE0915.
- Fix CE0914 to the die-cast body with CE0923.
- Solder each LW referring to the preceding page. and adhere them to the predetermined position.





- (4) Disassembly of the Shutter (Part of the lower side of the die-cast body)
 See the Repair Manual for OM-1.
- (5) Removal of the Shutter Curtain See the Repair Manual for OM-1.
- (6) Removal of CE0801 (S base plate)
 - Disengage cylinders A and B of the shutter curtain.
 (See the Repair Manual for OM-1)
 - Remove two PSK1.7 x 3.5SO to take off CA8875.

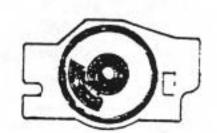
- Remove two PSK2 x 2SO. (Bellock is attached.)
 Remove one PSK2 x 2.8SO. (Bellock is unusable.)
 Then. CE0801 comes off.
- (7) Disassembly of the Film Wind Mechanism See the Repair Manual for OM-1.
- (8) Disassembly of CE0502 (Front casting) (CE0502 should be being separated from die-cast body.)

| Main Parts | Parts to Remove | Q'ty | Removable Parts | Remarks |
|---|-----------------------------|------|---|--|
| V 40 Self-timer | CA9077 (Pinch) | 1 | K OF | Remove CA9077 and PSK1.4 x 2.5SO with CA9111 fully |
| | PSK1.4 x 2.5SO | 1 | | After the removal. set CA907 to the stop position to stop it |
| | CA9071 (Stopper) | 1 | Single body CA9072 CA9086 CA9075 CA9111 | in the set state, and then remove CA9071. |
| | PSK2 x 3SO | 2 | V 40 Self-timer | Be sure to interlock CA9074 with self-timer when assembling. |
| LC4086 Penteprism | PUK1.7- 314SO | 2 | CE0524 CE0526 | |
| | PUK1.7 x 2.2SO | 2 | CE0536 CA8936 LC4086 | Remove PUK screw from SW base plate side. |
| CE0547 (Indication plate) (CE0538) | CE0539 (SL shaft) | 2 | Single body (CE0538 CE0547 | Remove from SW base plate side. Take sufficient care not to scratch CE0547. Clean with Ligroine if soiled. |
| Meter Movable Section (DS4001) | CA9008 (Pulley screw) | 3 | CE0635 | |

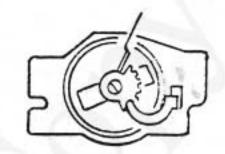
| Main Parts | Parts to Remove | Q'ty | Removable Parts | Remarks |
|------------------|--|-------|---|---|
| Meter Movable | PUK1.7 x 2SO | 2 | Single body | I W - C M |
| Section | Remove the solder- ing of CA9483. (SW base plate) | 1 | CA8981 CE0626 Meter Movable Section | LW of Mete |
| | CE0642 (C washer) | 1 | | Remove in this state. |
| | CE0666 (A screw) | 1 | Single body CE0643 CE0645 | Just loosen CE0666 (left- hand screw). Displace A contact piece 1 sideways, and remove A cam |
| | HK1.4- 633SN | 1 | CE0629 | Just displace sideways not to hook when taking out the meter movable part in the next step. |
| | PUK1.4- 605SO | 10000 | CE0626 CE0647 | Take care not to lose teflon tube (CE0622). |

- (1) Order of Assembly of Meter Movable Parts
- 1) Hook CE0647 to CE0625 as shown in the right illustration.

(CE0643 should be being disengaged and the stopper screw of CE0629 should be being removed.)



2) Apply thin coat of grease 023P to the part of the meter movable section to be inserted into the bearing of CE0625 and the part to be inserted into the bearing of CE0626. and insert them into CE0626.



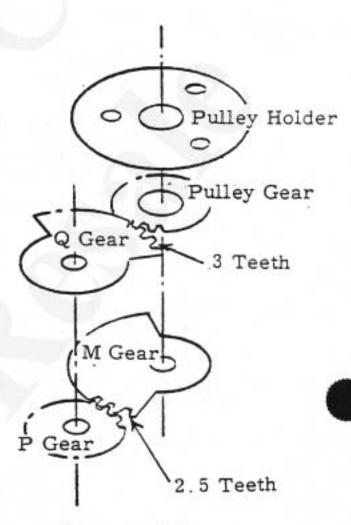
- Stop HK1.4-633SN of CE0629.
- Place CE0626 and fix it with two bellock attached PUK1. 4-605SO.

Setting Manner of CE0626

Place the half of CE0626 on the meter movable section and slide it under the A lever while pushing it downward.

- Hook CE0647, which was hooked to CE0625, on the protrusion of the frame of the meter movable section.
- 6) Place CE0643. fix it with CE0642 and finally fix it with CE0666 (left-hand screw) after positioning for the A contact piece.
- 7) Remove PUK1.7-406SO. disengage the pulley gear. which is made in one body with CA8981. and decide the tooth position as shown in the right illustration.

Note: At ASA 12. the eccentric of A lever 2 is centered.



See page 25.

| Main Parts | Parts to Remove | Q'ty | Removable Parts | Remarks |
|---|---|------|--------------------------------------|---|
| CE0579 CE0580 (FP contact point) | Remove the white LW (BRJ-W17) of CE0579 (F contact) | 1 | | |
| | CE0582 (T screw) | 2 | CE0579 CA8901 CE0580 CA8900 | Take sufficient care when assembling CE0582 as it is easy to break. Glue the red LW to the original position when assembling |

| Parts to Remove | Q'ty | Removable Parts | Remarks |
|---------------------------------|--|---|--|
| PUK1.4 x 1.6SO | 2 | Single body (CE0871 CE0872 CE0874 Note that some are provided with a subswitch. | SW Base Plate Soldering Point of Black LW of Main Switch. This should be done with CE0579 and CE0580 removed. |
| PUK2 x 4.5SG | 3 | Single body (CA8877 CA8888 CE0520 | |
| - af | | CE0521 CE0522 | Inseparable because these are combined with B cord. |
| PSK1.4 x 2SO | 4 | CE0519 CE0650 | For the incorporation of the reset button, it is recommend able to set it on the front coverand then provide to CE0502 together therewith. |
| PUK1.4 x 1.6SO | 2 | CE0553 | |
| PUK2 x 2.5 SO | 2 | CE0555 | Loosen B cord of CE0546. and remove circuit board B and SL contact piece together. |
| See | the Re | pair Manual fo | r OM-1. |
| See the Repair Manual for OM-1. | | | |
| | PUK1.4 x 1.6SO PUK2 x 4.5SG PUK1.4 x 1.6SO PUK2 x 2.5 SO See | PUK1.4 x 2 1.6SO PUK2 x 3 4.5SG PSK1.4 x 2 1.6SO PUK2 x 2.5 SO See the Re | Remove |



OTHERS

OUTLINE OF REPAIRS

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FILM WINDING & SHUTTER RELEASE MECHANISMS

1. Winding binds

| Cause | Remedy | Checkup |
|---|-----------------------------|---|
| 1) Improper selection of CA8844 (spring lever) | See the OM-1 Repair Manual. | See the OM-1 Repair Manual. (20 - I - D5) |
| 2) Adjustment of brake force improper | See the OM-1 Repair Manual. | |

2. Winding impossible

| Cause | Remedy | Checkup |
|---|--|---|
| 1) Parts (spring, screw. etc.) coming loose or fallen off | a. Check parts relative to film winding. b. Check if any shutter part dropped off. c. Check springs and screws of front plate parts for loosening or falling off. Make necessary repairs. | See the OM-1 Repair Manual. (20 - I - D6) |
| 2) CA9051 (ST. screw) stuck with CA9044 (K. inner plate) | See the OM-1 Repair Manual. | |
| 3) Defective CA8419 (low- ering hook) | See the OM-1 Repair Manual. | See the OM-1 Repair Manual. (20 - I - D6, 6C) |
| 4) Loosened CA9174 (L bearing) | See the OM-1 Repair Manual. | |

3. Shutter automatically released (curtain runs) immediately upon completion of winding.

| Cause | Remedy | Checkup |
|---|---|---|
| 1) Insufficient engagement between CE0836 (opening claw A) and Gear A | a. If insufficient in horizontal di- rection; replace either CE0836 or Gear A (whole assembly of CE0802; Gears A and B). | Curtain should not run and next winding should be impossible until release button is depressed. |
| At | least 0.5- | 40 |
| | CE0836 (opening claw | A) |
| | b. If insufficient in vertical direction; | |
| | Bend CE0836 opening claw to adjust. | |
| | Adjust backlash of CE0836. | |
| | • Replace CE0836. | |
| | Replace Gear A (whole assembly of CE0802; Gears A and B). | |
| 2) Improper engagement of CE0839 (M. Lever) and CE0852 (B. Lever) | See the OM-1 Repair Manual. | See the OM-1 Repair Manual. |

4. Excessive or insufficient winding

| Cause | Remedy | Checkup |
|---|-----------------------------|--|
| 1) Improper adjustment of front eccentric | See the OM-1 Repair Manual. | Gently wind up and see if there is a 0.1 - 0.3mm clear- ance until CE0836 (opening claw) stops after it drops in Gear A. |
| 2) Delayed re- lease of CA8824 (lock lever) | See the OM-1 Repair Manual. | See the OM-1 Repair Manual. |

5. Wind lock improper

| Cause | Remedy | Checkup |
|-------------------------------------|-----------------------------|--------------------------------|
| Improper operation of related parts | See the OM-1 Repair Manual. | See the OM-1 Repair Manual. |

6. Shutter can be released during or prior to winding

| Cause | Remedy | Checkup |
|--|-----------------------------|--------------------------------|
| 1) Improper operation of related parts | See the OM-1 Repair Manual. | See the OM-1 Repair Manual. |

7. Ineffective detent

| Cause | Remedy | Checkup |
|--|-----------------------------|--------------------------------|
| 1) Improper operation or adjustment of CA8819 (K detent) | See the OM-1 Repair Manual. | See the OM-1 Repair Manual. |

8. Winding not smooth

| Cause | Remedy | Checkup |
|--|--|--|
| 1) Engagement of CA8828 (2- gear) and CA8836 (3-gear) stuck together | Adjust at mounting position of CE0801 (S plate). | Winding shall be smooth without excess grating, squeak, etc. |
| 2) Delayed release of CA8586 (A lever spring) | See the OM-1 Repair Manual. | |
| 3) CE0851 (A fitting strip 2) stuck | Check related parts and repair. | |
| 4) Heavy charging force of CA8412 (M charge) | See the OM-1 Repair Manual. (20 - I - D10) | The charging force should be 430 - 500g. |

| Cause | Remedy | Checkup |
|-----------------------------------|---|---------|
| 5) Engaging of each gear unsmooth | See the OM-1 Repair Manual. (20 - I - D10) | |

9. Wind lever not return or binds

| Cause | Remedy | Checkup |
|---|--|---|
| 1) Top plate mounted off position | When CE0503 (Top-cover) is mounted off position, it will cause CA8753 (lever trimming) and CE0531 (button seat) to rub each other. The mounting position of CE0503 should be adjusted. | Wind lever should return surely no matter whether film is loaded or not. |
| 2) CA8774 (lever spring) and CA9185 (frame spring) worn out. broken or entagled | See the OM-1 Repair Manual. (20 - I - D11) | |
| 3) Loosened CA9113 (gear holder) | See the OM-1 Repair Manual. (20 - I - D11) | |

10. Shutter releasing position of button too deep or shallow.

| Cause | Remedy | Checkup |
|--|---|---------|
| 1) Improper adjustment of CA9084 (button shaft) | With film wound condition. CA9084 or release screw should be adjusted so that clearance between CE0854 (bulb plate) and escape pin is 0.1 - 0.3. Escape Pin CE0854 (bull CA8842 (KS lever) | ſ |

11. Heavy release button

| Cause | Remedy | Checkup |
|--|-----------------------------------|--|
| 1) Operation of release plate | Check and make necessary repairs. | Releasing force of button should be 240 ± 50grs. |
| 2) Releasing force of lifting hook | | Releasing force of lifting hook should be 50grs or less. |
| 3) Operation of CE0853 (KL plate) | | |

12. Perforation position improper

| Cause | Remedy | Checkup |
|--|---|---|
| 1) Improper position of sprocket | See the OM-1 Repair Manual. (20 - I - D13) Note: CA8785 (claw gear) -> CE0518 | See the OM-1 Repair Manual. |
| 2) Detent in- effective on the way of winding (See the OM-1 Repair Manual) | Z1.0 205 + | When sprocket is pressed toward mask in wound condition. the distance between edge of mask and sprocket tooth should be 21.0 ± 0.5mm. |

13. Film counter plate not progress or return to "S"

| Cause | Remedy | Checkup |
|--|---|-------------------------------|
| Improper positioning of CE0518 (claw gear) | See the OM-1 Repair Manual. Note: CA8784 (frame gear) → CE0517 CA8785 (claw gear) → CE0518 | See the OM-1 Repair Manual |

| Cause | Remedy | Checkup |
|--|--|--------------------------------|
| 2) Improper positioning of CE0516 (FC returning lever) | See the OM-1 Repair Manual. Note: CA8775 -> CA9186 CA8778 -> CE0516 | 403 |
| 3) Deformed CA8786 (C ring) | See the OM-1 Repair Manual. | |
| 4) Improper positioning of frame stopper | See the OM-1 Repair Manual. | See the OM-1 Repair Manual. |
| 5) Adjustment of E pin | See the OM-1 Repair Manual. | |
| 6) Frame spring entangled | See the OM-1 Repair Manual. | |
| 7) Frame window of top plate and frame plate rubbed each other | See the OM-1 Repair Manual. | |

14. "S" mark out of position

| Cause | Remedy | Checkup |
|--|--|--------------------------------|
| 1) Adjustment of CA9184 (KS pin) | See the OM-1 Repair Manual. Note: CA8807 (KS pin) -> CA9184 CA8798 (KS shaft) -> CA8848 | See the OM-1 Repair Manual. |
| 2) Improper gluing position of frame plate | Correct the position. | |

15. Insufficient allowance after shutter release by self-timer

| Cause | Remedy | Checkup |
|-------------------------------------|-----------------------------|--------------------------------|
| Adjustment shutter matching | See the OM-1 Repair Manual. | See the OM-1 Repair Manual. |

16. CA9072 (ST-lever) titled

| Cause | Remedy | Checkup |
|--|-----------------------------|-------------------------------|
| 1) S-stopper pin of self- timer not pro- perly adjusted | See the OM-1 Repair Manual. | See the OM-1 Repair Manual |

II. SHUTTER & MIRROR MECHANISMS

1. Curtain speed improper

| Cause | Remedy | Checkup |
|---|--|---|
| 1) Improper adjustment of CA8531 (ten- sion nut) | See the OM-1 Repair Manual. Note: Never touch or smudge the curtain to prevent change in EE values. | The speed of both curtains should be 11.5 ±0.1ms. The speed of opening curtain is desirablly faster. |

2. Opening curtain bounces

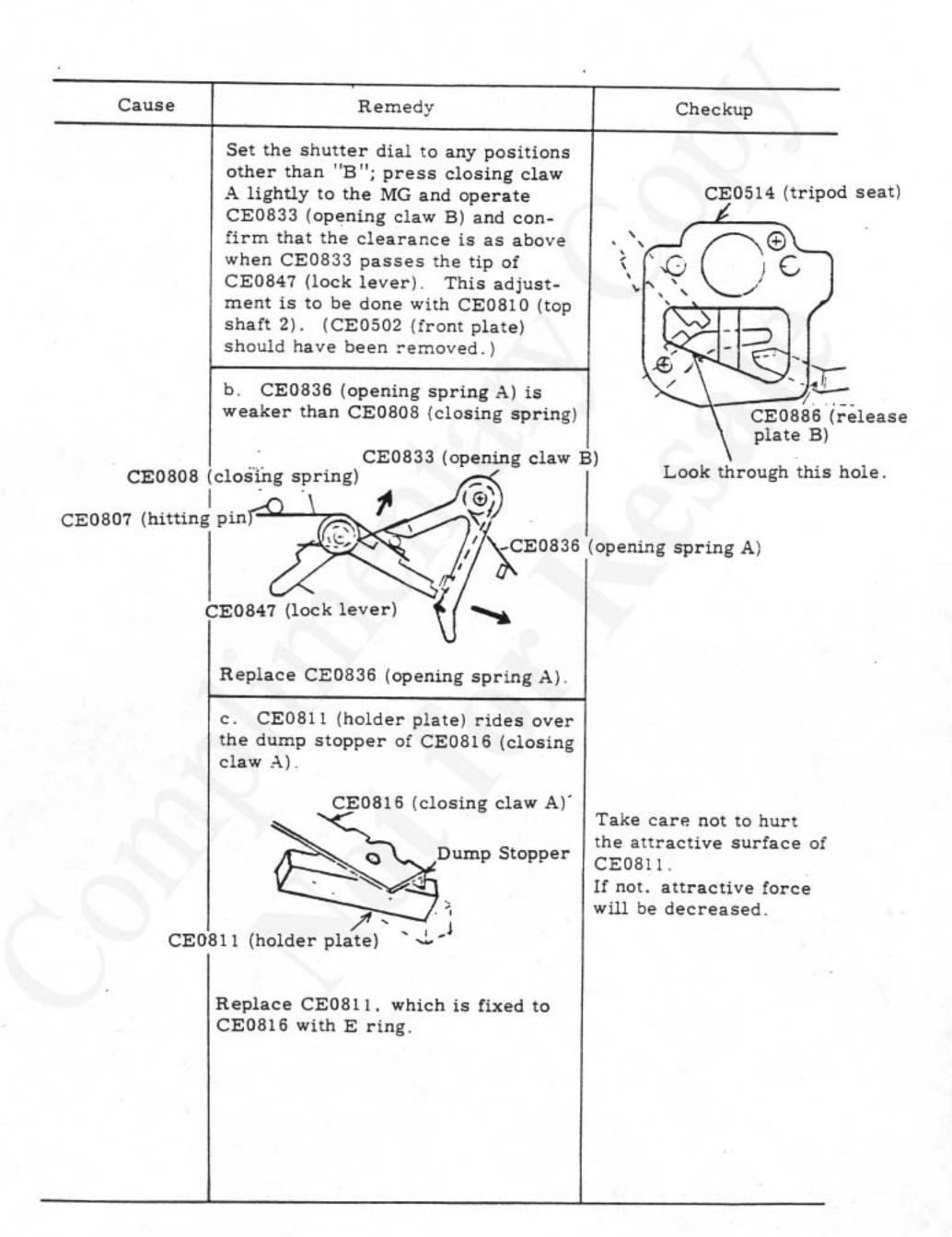
| Cause | Remedy | Checkup |
|--|--|--|
| 1) Adjustment of curtain posi- tion improper | See the OM-1 Repair Manual. Note: Do not touch or smudge the curtain. CA8519 (sylinder shaft A) > CA8661 CA8592 (opening claw) -> CE0832 CA8520 (sylinder shaft B) > CA8662 CA8521 (bottom stopper) -> CA9382 CA8522 (top stopper) -> CA9388 | Closing Curtain O+83 Opening Curtai Mask (+) (-) |

| Cause | Remedy | Checkup |
|---|---|---|
| | Fine adjustment: Rotate CA8666 (locating seat) of cylinders A and B for fine adjust- | Inclination of curtain: The parallelism against camera mask |
| | ment of opening and closing curtain positions. | should be 0.2 or less in the vertical direction. |
| | | Difference between a and b should be 0.2 or less. |
| | | Overlapping of curtain holders: |
| | | The overlapping of curtain holders should be 2.5mm or more at every position of the picture screen (the curtain holder width is 3mm.) |
| 2) Opening curtain stops at improper position | See the OM-1 Repair Manual. Note: CA8538 (opening curtain) -> CE0857 | 3.7 ± 0.3 when the protrusion of gear A is struck against CE0801 (5 plate). |
| | CA8519 (sylinder shaft A)—CA8661 CA8517 (sylinder stopper)—CA8666 (locating seat) CA8501 (S plate) ———————————————————————————————————— | See the OM-1 Repair Manual. |
| 3) Brake ad- justment improper | See the OM-1 Repair Manual. Note: | See the OM-1 Repair Manual. |
| | CA8501 (S plate) — CE0801 A-eccentric should be turned clockwise. The part. with which a clearance of 0.05 - 0.2mm is not obtained, is acceptable if its metallic striking noise against CE0801 (S plate) is not heard. | |

| Cause | Remedy | Checkup |
|---|--|---------|
| 4) Spring ten- sion of CA8586 weak | See the OM-1 Repair Manual. Note: CA8501 (S plate) -> CE0801 | 33 |
| 5) A fitting strip 2 not operating properly | See the OM-1 Repair Manual. | |
| in surface in surface linish of fric- tion ring of CA8661 sylinder shaft | See the OM-1 Repair Manual. | |

3. Shutter locked

| Cause | Remedy | Checkup |
|---|---|---|
| 1) Defective power supply | a. Check battery voltage. b. Check shortcircuit between metallic dowel of CE0942 (switching board) and CA9483 (SW plate). c. Check shortcircuit between CE0507 (cell cover) and PUK1.7-5SN. | The lock voltage is 2.34 ±0.04V or less. |
| 2) Defective CE0801 (S plate) CE0810 (| a. Check if clearance between CE0847 (lock lever) and CE0833 (opening claw B) is small. CE0833 (opening claw B) top shaft 2) CE0847 (lock lever) | When CE0502 (front plate) is unremoved. remove CE0504 (bottom plate) and look through the hole of CE0514 (tripod seat). The use of loupe of 10 - 20 magnifications is recommendable. |



| Cause | Remedy | Checkup |
|-----------------------------|---|--|
| | d. MG attractive force is too weak. (Improper MG position) | Attractive force should be 60grs or greater at 1.8V. |
| | CE0811 (holder plate) CE0813 (MG bath) CE0813 (MG bath) CE0813 (MG bath) PUK Screw Adjust PUK and HK screws so that | |
| | MG plate is made parallel at the center of CE0811 (holder plate). | Normal if coil is conductive when checking by a 6V tester with |
| | 3V Tester | about 6000 resistance. If nonconductive. replace MG. |
| 3) Defective main switch | a. Check for brakage of each contact piece of main switch. b. Solder of main switch is removed. c. The main switch is contacted improperly. | |
| | | |

| Cause | Remedy | Checkup |
|--|--|--|
| | CE0591 (SW | circuit board) |
| | Remove CE0503 (top plate) and CE0955 (mat) with the mirror kept up. and check by a tester if there is conduction. | Normal if resistance is ÷0 n . |
| 4) Defective lead wire | a. Check RBJ-B170 (black LW) between the battery compartment and CE0591 for shortcircuit. b. CE0507 (cell cover) and PUK1.7-5SN are shortcircuited. | Take out batteries. disconnect the black lead wire from SW circuit board and check for shortcircuit with the body by a tester. |
| | c. The black lead wire is jammed between the main body and CE0502 (front plate) on the upper side of the main switch. | Normal if resistance is ÷10 n. and ∞ on the reverse side. when measuring with the (-) probe of the tester applied to the black LW and the (+) probe to the body. |
| 5) Defective CE0914 (M circuit board) | a. Check for the ineffective soldering on FET and correct the soldering. b. Shortcircuit with IS001: As the metal case of IC is applied with negative potential, it is shortcircuited if contacted to IS001 body. | |

| Cause | Remedy | Checkup |
|--|--|---------|
| | Adjustment of IC height: | A) |
| | The clearance between CE0914 (M circuit board) and IC is to be made about 0.3mm. (0.3-clearance jig is available.) | |
| | c. Shortcircuit between CE0913 (change plate 3) and soldered portion. | |
| | d. Shutter lock at high ASA setting due to OFFset change. See the section for OFFset adjustment. | |
| | Check above and make necessary repair. | |
| 6) Defective CE0645 (AR circuit board) | a. Shortcircuit between CE0636 (A-contact piece 1) and periphery of CE0644 (cam holder). | |
| | b. Shortcircuit between the soldered portion of CE0637 (A-contact piece 2) and CE0643 (A cam). | |
| | c. Shortcircuit between CE0637 and CE0644 (cam holder) due to the mounting of CE0503 (top plate). | |
| | d. Shortcircuit between CE0645 (AR circuit board) and CE0501 (body). | 40 |
| | Check for above points and make necessary repair. | |

4. Shutter not locked

| Cause | Remedy | Checkup |
|--|--|--|
| 1) Improper adjustment of CE0886 (release plate B) | a. The clearance between CE0833 (opening claw B) and CE0886 should be about 0.2mm when the shutter is charged. Adjust it by bending the tip of CE0886. | Look through the hole of CE0514 (tripod seat). See Section II - 3 -2) a. |

| Cause | Remedy | Checkup |
|-------|---|---|
| | | |
| | CE0886 (release plate B) | |
| | 1 0.2 | |
| | CE0833 (opening claw B) | |
| | b. CE0886 should be disengaged | |
| | from the hook of CE0885 (release plate B) smoothly when operating | 4 6 |
| | CE0885 in the film wound condition. | |
| | c. There should be a clearance between CE0833 (opening claw B) and CE0847 (lock lever) when strik- ing the CE0816 (closing claw A) against MG. except at "B". | See Section II-3-2)-a) |
| | | |
| | d. When CE0885 is disengaged by one step except at "B". CE0833 should be engaged by 0.3mm or | See through the hole of CE0514 using a magnifier and confirm. |
| | more with a clearance at the notch of lock lever. | See Section II-3-2)-a) |
| | CE0833 (opening | claw B) |
| | CE0810 0.3mm or | more |
| | To all Y | |
| | Lock Lever | |
| | Adjust with CE0810 (top shaft 2). | |
| | e. When CE0885 is disengaged by two steps. CE0833 should be locked by the notch of lock lever. | |
| | 0.7mm or mo | pre |
| | | |
| | | |
| | | |
| | | |

5. Shutter lock not released

| Cause | Remedy | Checkup |
|--|---|---|
| 1) Defective CE0829 (speed gear) | a. CE0847 (lock lever) does not engage with CE0829. CE0847 (lock lever) CE0829 (speed gear) | Even when CE0829 is slightly moved up and down, CE0847 should be engaged therewith by more than 2/3 of the plate thickness. |
| | Adjust the bending of CE0847, or replace CE0829 when the backlash of CE0829 is excessive. (The replacement should be done after CE0914 (M circuit board) is removed.) | |
| 2) Defective CE0886 (release plate B) | a. Insufficient driving force due to defective operation of CE0886. b. Excessive force of CE0833 (opening claw B). Clean or replace the part. | |

6. Shutter fully opened both at AUTO and MANUAL

| | Checkup |
|---|---|
| a. Shortcircuit between purpl wire and wire and main body. | Normal if resistance between auto synch contact (CE0526) and main body is ÷10K n when measured by a tester. |

| Cause | Remedy | Checkup |
|---|---|---|
| 2) Trigger and relateds | a. CE0932 (T contact piece B) is being disengaged from CE0930 (T holder) and always turned on. CE0930 (T holder) T Pin T Contact Piece A CE0932 (T contact piece B) The above illustration shows the condition of CE0930 and T contact pieces A and B after winding the film. b. CE0931 (T holder) contacts CE0930 (T contact piece A). c. The T contact pieces A and B are not separated. Adjustment should be made as above. | The above illustration shows the position of CE0932 after winding. T Contact Piece A CE0932 (T contact piece The above illustration shows the position of T contact pieces A. B after winding the film. After the opening curtain runs. the con- |
| 3) Defective CE0914 (M circuit board) | a. Improper soldering of FET (defective 1V line). b. Defective IS001 (OFFset displaced). c. Broken or disengaged CE0935 (K contact piece). | |
| 0935 (K contac | K Shaft Cam Shaft | |

| Cause | Remedy | Checkup |
|-------|---|---------|
| | d. Displaced position of CE0829 (speed gear). | |
| | 1000 1500 150 | |
| | [C) 07-1/8 | |
| | 1 1 | |
| | When each hole comes to the front (arrowed location), corresponding shutter speed is set. The above illustration shows "B" setting. | |
| | e. Pattern to K-shaft is broken. See the illustration in c. | |

7. Shutter fully opened at AUTO

| Cause | Remedy | Checkup |
|---|---|--|
| 1) Broken wire or con- tact failure of ASA resistor | a. White LW (RBJ-W105) or yellow LW (RBJ-Y105) of CE0640 (circuit board A) is broken or poorly soldered. | |
| | b. Broken pattern due to damaged CE0640. | |
| 39 | c. Contact failure of CE0636 and CE0637 (A contact pieces 1. 2). | |
| 2) Contact failure of CE0935 (K contact piece) | a. Insufficient switching due to insufficient adjustment of CE0910 (charge plate 2). b. Soiled or dusty contacting surface. There should be | K Contact Piece Should positively be contacte |
| | of 0.5mm or les | |

| Cause | Remedy | Checkup |
|--|---|----------------------|
| 3) Defective condenser for AUTO | a. The condenser for AUTO is disconnected or poorly soldered. b. Shortcircuit in the condenser for AUTO. | Condenser for AU |
| 8. Shutter fu | ully opened at MANUAL | |
| Cause | Remedy | Checkup |
| 1) Defective CE0915 (speed cir- cuit board) | a. White LW (RBJ-W20) or yellow LW (RBJ-Y30) of CE0915 is broken or poorly soldered. b. Contact failure of CE0925. c. Broken pattern of CE0915. | CE0925 (speed plate) |
| 2) Contact failure of CE0935(K contact piece) | a. Soiled or dusty contacting surface. Should positively be | K Contact Piece |
| 3) Defective condenser for MANUAL | a. The condenser is disconnected or poorly soldered. b. Shortcircuit in the condenser. | Condenser for MANUA |