BEAULIEU 5008S

SERVICE MANUAL

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SERVICE MANUAL

A - TO REMOVE COVER PC 15397

1 - Undo 2 x 3 metric thread screw retaining focusing-screen knob 15402.

2 - Undo screw 3214 retaining cover on the eyepiece side.

3 - Unstick focusing-screen knob rubber sealing washer 15408.

4 - Undo cover retaining screw 6467.

5 - Remove cover PC 15397.

B - TO REMOVE PISTOL GRIP PC 15414

1 - Remove skinplate washer 13334 located under pistol grip.

2 - Undo pistol-grip retaining screw 15443.

3 - Unstick plug-holder plate eteched label 15438.

4 - Undo all three screws 3272 securing plug-holder plate PC 15435.

5 - Unsolder the black and red leads and the yellow lead from the plate.

6 - Undo both screws 3272 retaining trigger holder PC 15424.

7 - Remove trigger assembly.

8 - Unsolder leads from trigger assembly.

9 - Unsolder remote-control, mike and earphone leads.

C - TO STRIP HOUSING PC 15360

1 - Unscrew trip button PC 15376

2 - Unstick eteched label 15394 giving access to lens mount PC 15391.

3 - Undo all four 2 x 4 metric-thread cheese-head screws retaining lens mount PC 15391.

4 - Unsolderthe leads : green (cell), yellow (mid-point), orange (positive, auto and test positions), red (positive, auto, semi-auto and test positions).

5 - Unstick daylight filter retraction cover disc 15374 located to right of filter retracting lever.

6 - Unstick both discs 6719 located on forward surface of mechanism and concealing two screws 6727.

7 - Undo screw 15308 located near filter retracting lever and securing the mechanism to the housing.

8 - Undo both cross-slotted srews 15273 located at the back of the cassette cover.

9 - Undo both screws 6727 located on forward surface of housing.

10 - Remove housing.

D - TO REMOVE CASSETTE HOLDER PC 15317

1 - Undo screw 3214 retaining film-guide housing 15276.

2 - Undo all four 2 x 2 metric thread cheese-head screws retaining the cassette holder.

3 - Remove the cassette holder, freeing the loop feeler lever, without forcing it and with a downward movement.

E - TO STRIP THE PRINTED CIRCUIT REGULATING MOTORS, MECHANISM DRIVE AND CAPSTAN

1 - Unsolder all leads to the "regulation" printed circuit.

2 - Unscrew both 2 x 14 metric thread cheese-head screws and the 2 x 4 Cheese-head screw retaining the printed circuit.

3 - Remove the circuit and both distance pieces 15343.

F - TO STRIP THE AMPLIFIER PRINTED CIRCUIT

1 - Unsolder leads to printed circuit.

2 - Undo both 2 x 4 metric thread cheese-head screws retaining circuit.

3 - Remove the circuit.

G - TO STRIP LOWER PLATE PC 15134

1 - Remove capstan belt.

2 - Undo 2 x 4 metric thread cheese-head screw securing flywheel to capstan.

3 - Remove washer 3166 and flywheel 15176.

4 - Remove flywheel distance-piece 15175.

5 - Remove pin 8455 retaining timer drive 15063.

6 - Undo 1.6 x 2 metric thread cheese-head screw retaining "stop" contact blade.

7 - Remove pin 8308 retaining "stop" cam PC 15169.

8 - Undo all six 2 x 4 metric thread cheese-head screws and the 2x6 metric cheese-head srew retaining the lower plate.

9 - Remove circlip 1622 retaining the film-run indicator spindle.

10 - Remove lower plate PC 15134, guiding it carefully so as not to distort the claw and shutter axles; the strain felt is due to the take-up belt which tends to set the plate spinning clockwise.

H - TO DISMANTLE THE RELEASE SYSTEM

1 - Remove intermediate pin PC 15071.

2 - Remove loop feeler return spring 15117 to avoid damaging it.

3 - Remove trip lever return spring 15047.

4 - Undo both 2x5 metric thread cheese-head screws and catch 15220 retaining the stop lever.

5 - Remove the stop lever.

6 - Undo screw 6956 and spring hooking distance-piece 15041 retaining stop lever hooking plate.

7 - Remove hooking plate PC 15032 fitted with lever 15035.

8 - Undo spring-ping screw 15037.

9 - Be careful of springs 15038 and 15039 and also both washers 3271.

I - TO REMOVE STOP LEVER PC 15023

1 - Remove circlip 1620.

2 - Remove washer 15028.

3 - Remove return spring 15027.

4 - Remove stop lever PC 15023.

5 - Remove washer 15026.

J - TO REMOVE MOTOR 15051

1 - Remove all three metric thread 1.6x2 screws retaining mechanism drive screw 15053.

2 - With a soldering iron, heat the drop of adhesive located in the internal clearance of the driving screw.

3 - Remove driving screw 15053.

4 - Undo all four metric thread 1.6x6 screws retaining motor 15051.

5 - Remove the motor after having unsoldered the orange and black leads.

K - TO REMOVE THE FOOTAGE COUNTER

1 - Remove circlip 1620 retaining counter assembly to its spindle.

2 - Remove washer 15019.

3 - Remove footage counter return spring 15018.

4 - Remove counter assembly.

5 - Undo both 1.6x1.6 metric thread cone-pointed grub screws retaining footage counter driving wheel PC 15105.

6 - Remove wheel PC 15101, fitted counter spindle PC 15100, and return spring 6559.

L - TO REMOVE THE PRISM HOLDER

1 - Place a cell protector in the slot of the cell holder to avoid "blinding".

2 - Undo both metric thread 1.6x3 cheese-head screws securing spring blade 6442 retaining prism PC 249.

3 - Unsolder cell leads from cell relay 6810.

4 - Remove prisme by retracting the start-stop compensation shutter and if necessary by undoing metric thread 2x4 cheese-head vertical-framing adjustment screw.

5 - Undo all three metric thread 2x5 cheese-head screws retaining the prism holder.

6 - Focusing screen holder 15213 and its driving plate PC 15210 are removed exactly as for the 4008 camera.

M - TO REMOVE TAKE-UP SPOOL FRICTION-SLIP

1 - Undo both screws 11608 retaining driving plate PC 15089.

2 - Remove driving plate, declutching stud 15077 and declutching stud spring 13437.

3 - Undo retaining nut 15086, using special tool 0-322.

4 - Remove teflon washer 15082, film-advance indicator cam 15088, second teflon washer 15082, cheek 15085 and spring 15087.

N - TO REMOVE SENSITIVITY PLATE

1 - Undo 2x3 metric thread cone-pointed grub screws retaining volume knob, and remove knob.

2 - Undo both metric thread 1.6x3 cheese-head screws retaining the general switch knob 15321 and sensitivity knob 15346.

3 - Undo both metric thread 2x10 cheese-head screws holding the two sensitivity track contact blades.

O - TO REMOVE THE GALVANOMETER

1 - Pull back the two black the two black plastic protectors insulating the galvanometer connecting tabs.

2 - Unsolder the black and black-and-green leads soldered to these tabs.

3 - Undo screw 6797 securing the galvanometer to insulating barrel 6668.

4 - Remove washer 6798.

5 - Undo both metric thread 1.6x2 screws securing the galvanometer.

6 - Rotate galvanometer so as to free the needle.

7 - Slide insulating barrel 6668 towards rear of camera.

8 - Remove galvanometer.

P - TO REMOVE CLAW SPINDLE MP 15055

N.B. The lower plate must be replaced when it is intended to operate either on claw axle MP 15055 or on shutter axle MP 15065, to avoid distortion of these axles.

1 - Remove pin 8451 retaining the friction-slip system on the axle.

2 - Undo screw 3214 securing claw crank pin 6487.

3 - Remove washer 6489 located between crank pin and mirror shutter drive connecting rod PC 15191.

4 - Rotate trip lever control lever about its spindle.

5 - Remove claw spindle MP 15055.

If the claw spindle needs changing, the entire assembly must

be changed. Alone the following parts can be changed separately : friction pinion 15061 and timer drive 15063.

Q - TO REMOVE SHUTTER SPINDLE MP 15065

1 - Remove clips 8450 and 8451 securing the crank pin and the shutter spindle pinion.
If the shutter spindle needs changing, the complete spindle must be changed.

R - TO STRIP THE MAGNETIC HEAD HOLDER AND LEVERS

1 - Remove circlip 1620 securing lever PC 15304.
2 - Remove lever PC 15304 and return spring 15309.
3 - Remove circlip 1620 securing rubber roller holder 15294.
4 - Free return spring 15301 from its point of attachment to control lever PC 15286.
5 - Remove roller holder 15294 fitted with rubber roller PC 15295, rubber roller spindle 15298 and return spring 15301.
6 - Unscrew magnetic head pressure lever securing distance piece 15282.
7 - Remove washer 15283.
8 - Undo both 2x4 metric thread cheese head screws securing the magnetic head holder.
9 - Remove the magnetic head holder after unsoldering the relay leads.
10 - Remove magnetic head pressure lever PC 15277.
11 - Strip stirrup 15272 by undoing both screws 11082 securing it to the magnetic head holder.
12 - Remove bearings 15273 - 15274, spring 15275, washer 13023, then remove the stirrup.
13 - Undo the 2x4 metric thread screw securing the magnetic head.
14 - Remove magnetic head 15281 and, if necessary, shims 15285-15289 15290.

INSTRUCTIONS FOR ADJUSTING THE 5008 S

CAMERAS BEAULIEU - MAISON BRANDT FRERES
16, rue de la Cerisaie
94 - CHARENTON-LE-PONT (France) - Tel : 893.18.30

A - TO ADJUST THE BLOCKING SWITCH

- The microcontact located at the upper part of the trip control lever should be triggered as follows :
  When pressure is applied to the trip lever, the microcontact should switch at the precise instant when the stop lever reaches the level of the end of the "stop" pin. Adjust by loosening both 2x8 metric thread cheese head screws securing the microcontact, and orient it asrequired.

B - TO ADJUST THE FOOTAGE METER WHEEL

- Using tool 0-333, set the disc to zero and place the arm of the tool in the clearance in the teeth of the wheel, and tighten up both wheel securing screws.

C - TO ADJUST STOP-GO CONTACT BLADE PC 38

- Supply power to the camera.
- With the camera not running, adjust the contact blade so as to have a play of 1mm beween the stop position and initial contact.

D - TO ADJUST THE LOOP FEELER

- Into the film guide, put positioning template 0-325 and adjust the fixed contact so that cut-off occurs when the feeler leaves the template.

E - TO ADJUST TRIP CONTACT

- Adjust the contact so that it is closed when the "stop" pin is free, and check the adjustment, place the "stop" lever so that it is hard against the end of the pin, and operate the "stop" lever so as to have, on the on hand, "make of contact and, on the other "break"; if the contact fails to open, rotate it towards the front of the camera, secure it and check again.

F - TO ADJUST PRESSURES OF MAGNETIC HEAD PRESSURE LEVER, LOOP FEELER AND RUBBER ROLLER

- The pressure exerted by the magnetic head pressure lever must lie between 30 and 40 gr, measured at pressure lever level.
- The pressure of the loop feeler, at contact cut-off point, see paragraph D above, should be 4.5 g.
- The rubber roller should press on the capstan with a pressure of 500 g.

G - TO ADJUST THE POWER SUPPLY CONTACT TO THE CAPSTAN MOTOR AND AMPLIFIER

- Adjust the contact so as to secure contact closure with a minimum displacement of the control lever, making quite certain that the contact cuts off before the instant at which the lever comes into contact with the cassette holder.

H - TO ADJUST THE GALVANOMETER

- Feedthe galvanometer with a p.d. of 3.8 V by applying the supply to the "cell" stud of the lens mount (green lead), with the general switch set to "Auto".
- Rotate the galvanometer so as to bring the needle of to the centre of the mark.
- Tighten the galvanometer securing screws, and check the adjustment.

I - TO ADJUST THE PISTOL-GRIP SWITCHES

- Place the trigger in the "continuous contact" position by pulling it out.
- Undo the retaining screws.
- Push the microcontacts towards the trigger until the contacts are "made".
- Lock the screws and check proper operation of :
  - a) "Stop" position : the microcontacts must be open.
  - b) "Normal" position : the microcontact must be closed.

J - TO ADJUST THE EXPOSURE METER

- Check galvanometer adjustment.
- Supply the camera with a voltage of 7.6 Volts.
- Set the camera running at 24 fps.
- Set the general switch either to "auto" or to "manual".
- In the lens mount, screw a lens with a fixed photometric aperture of 5.6.

25 ASA :

- Set film-speed potentiometer to 25 ASA.
- Adjust the light box to obtain an illumination of 3104 Lux.
- Adjust the 25 ASA adjusting resistance.

160 ASA :

- Set film-speed potentiometer to 160 ASA.
- Adjust the light box to obtain an illumination of 488 Lux.
- Adjust the 160 ASA adjusting resistance.
- Make these two adjustments successively, until both are perfect.

Start-Stop :

With the camera not running, adjust the cell shutter with tool 0-324 to obtain the same galvanometer reading when running and stopped.

N.B. : During the above adjustment, be careful to shut all openings on cover side to keep out light lieable to vitiate the adjustments.

K - ADJUSTMENT OF 18 fps and 24 fps SPEEDS

- For these adjustments, use a stroboscope.
- Supply the camera with a voltage of 7.6 Volts, and set it running with the take-up spool locked.
- Set to 18 fps.
- Set the camera running and adjust the 18 fps adjustment resistance so as to obtain an accurate 18 fps.
- Then adjust the 24 fps Setting.

L - TO ADJUST CAPSTAN MOTOR SPEED

- Make up a loop of magnetic pretracked super-8 film with a 1 meter length of film.
- Place this loop in the magnetic head holder film guide.
- Supply an e.m.f. of 7.6 Volts to the camera.
- Set the camera running; the cassette cover has to be removed for the film to be set in motion.
- These adjustments are to be done with a stroboscope.

SPEED 24 fps. :

- Set speed switch to 24 fps.
- Push down loop feeler lever as to open contact.

- Adjust the capstan motor speed adjustment resistance to obtain a speed of 25 fps.
- Allow the loop feeler to return and adjust the second resistance so as to obtain a speed of 22 2/3 fps.

SPEED 18 fps. :

- Proceed as above.
- With the contact open, adjust speed to 19 fps.
- Contact closed, adjust to 15 2/3 fps.

M - TO ADJUST THE CONVERTER CIRCUIT

The converter circuit is an oscillator which, supplied with 7.6 Volt DC, will output the 15-Volt DC required for amplifier supply. Voltage is adjusted by acting on the 25 Kohm resistance so as to obtain 15 V ± 2 V.

N.B. : On no account ever turn this resistance to maximum in the direction of shorting, for this would result in destruction of transistor T 16, whose base is connected to the 7.6 Volt positive.

N - TO ADJUST THE BIAS OSCILLATOR

This oscillator generates AC of a frequency of 60 KHz allowing pre-magnetization of the magnetic head. Adjustment of the 2.5 Kohm resistance allows bias p.e. to be set to 13 Volts.
This adjustment needs checking after the filter has been adjusted.

O - TO ADJUST THE FILTER

On the output side of the filter (amplifier side), connect the LF microvoltmeter and adjust the filter by screwing the core in or out so as to have minimum deviation, then readjust the premagnetization p.d. level, adjustment of the filter affecting bias level.

P - TO ADJUST THE AMPLIFIER

- Supply the mike input with a signal of 2 mV on a frequency of 1 KHz.
- Set the contact-maker to "manual".
- Set the contact-maker to "vumeter".
- Supply the camera with a voltage of 7.2 Volts.
- Adjust the volume knob so as to obtain a voltage of 1.5 Volts, point A in wiring diagram MP 15331.
- Unsolder the magnetic head coming in to the screening of the screened lead, and insert a 10 Ohm resistance between the screen and the magnetic head lead.
- If the LF microvoltmeter comprises a low-pass filter cutting off at 10 KHz, adjust the low frequency current as indicated below; if not, the bias oscillator's operation must be stopped : this is achieved by inserting a small piece of film under the cursor of the bias voltage adjustment resistance.
- Connect the LF microvoltmeter to the terminals of the 10-Ohm resistance by connecting the cord screening to that of the amplifier lead. Adjust the 50 Kohm resistance so as to have a p.d. of 650 uV $\pm$ 50 uV on the 10-Ohm resistance.
- Then adjust the 100 Kohm resistance so as to bring the galvanometer needle to the centre of the notch, the galvanometer acting as vumeter.

- Unsolder the 10-Ohm resistance and solder the cell lead back on to the relay.
- Set the switch to "auto" and check that the needle stays inside the notch.

Q - TO ADJUST BATTERY TEST CIRCUIT

- Set the main switch to "test".
- Set the "Vu-Exp" contact maker to "Exp".
- Supply the camera with a voltage of 7.2. Volts.
- Adjust the 2.5 Kohm resistance so as to bring the galvanometer needle to the upper part of the view finder notch.

ELECTRICAL FAILURES

1 - FAILURE OF SPEED REGULATING AND CAPSTAN CIRCUIT

A - CAMERA FAILS TO RUN
B - CAMERA RUNS AT HIGH SPEED
C - CAMERA DOES NOT STOP WITH SHUTTERS CLOSED
D - SPEED UNSTABLE (poor sound and flickering pictures)

A - CAMERA FAILS TO RUN :

1 - Flat batteries or bad battery contacts.
2 - Trigger contact defective.
3 - Motor cut off.
4 - Remote control socket not closing.
5 - Transistor T 3 cut off.
6 - Zener diodes shorged.

B - CAMERA ALWAYS RUNS AT HIGH SPEED

1 - Generator cut off.
2 - Transistor T 3 shorted.
3 - Transistor Tu shorted.
4 - Transistor T 1 shorted.

C - CAMERA DOES NOT STOP IN VIEWING POSITION

The cam contact is defective. Clean the stop cam and tense blade afresh if necessary.

D - SPEED UNSTABLE (not valid for capstan)

Instability is due to the generator; this should be changed and speeds adjusted.

1 - Failure of speed regulating and capstan circuit. The electric regulator circuit being identical to that of the NEWS camera, the symptoms found are the same as for the NEWS.

A - CAMERA FAILS TO RUN
B - CAMERA RUNS AT HIGH SPEED
C - CAMERA DOES NOT STOP WITH SHUTTERS CLOSED
D - SPEED UNSTABLE (poor sound and flickering pictures)

A - CAMERA FAILS TO RUN :

1 - Flat batteries or bad battery contacts.
2 - Trigger contact defective.
3 - Motor cut off.
4 - Remote control socket not closing.
5 - Transistor T 3 cut off.
6 - Zener diodes shorted.

B - CAMERA ALWAYS RUNS AT HIGH SPEED

1 - Generator cut off.
2 - Transistor T3 shorted.
3 - Transistor Tu shorted.
4 - Transistor T1 shorted.

C - CAMERA DOES NOT STOP IN VIEWING POSITION

the cam contact is defective. Clean the stop cam and tense blade afresh if necessary.

D - SPEED UNSTABLE (not valid for capstan)

Instability is due to the generator; this should be changed and speeds adjusted.

2 - Exposure-meter failures :

A - GALVANOMETER FAILS TO DEFLECT

1 - Cell cut off.

Check in "battery test" setting whether deflection is present.

. Galvanometer deflects : the cell is cut off.

. Galvanometer fails to deflect : the galavanometer is cut off; it should be changed and adjusted as laid down in the instructions for adjusting.

MECHNANICAL FAILURES

A - FILM JAM BETWEEN CAPSTAN AND CLAW

B - LOOP BETWEEN CAPSTAN AND CLAW TOO SHORT

C - JAM INSIDE CASSETTE

D - EXCESSIVE CONSUMPTION

A - FILM JAM BETWEEN CAPSTAN AND CLAW

- Check film advance speeds.
- Check capstan motor speeds.
- Check pressure of rubber roller on capstan.

B - FILM LOOP BETWEEN CAPSTAN AND CLAW TOO SHORT

- Check film advance speeds.
- Check capstan motor speeds.
- Check loop feeler adjustment.

C - JAM INSIDE CASSETTE

- Check take-up spool friction-slip tension : this should be 80 g $\pm$ 5 g on the driving studs.

D - CONSUPTION EXCESSIVE

- Extract the mechanism from its housing.
- Uncouple the shutter : if consumption goes down by more than 100 mA, clean.
- Check motor keying; there should be a certain amount of play between the motor pinion and the claw axle pinion. This play can be obtained by loosening the three motor bracket securing screws, and rotating it; do not allow excessive play, as this would lead to rapid pinion wear.

AMPLIFIER FAILURES - 5008 S

A - NO SOUND RECORDED ON FILM

- Connect camera to 7.6 Volt DC supply.
- Actuate lever PC 15311 in order to close power feed switch to :
  - . capstan motor
  - . 7.6 V - 15 V converter
  - . premagnetization generator

1) If capstan fails to rotate and 20-V premagnetization PD not present at magnetic head terminals when claw motor rotating :
   - Sound cassette contact faulty or badly adjusted; proceed as indicated in § B(1-2) A-C.D of the instructions for stripping the 5008s cine-camera SAV/30/24 without unsoldering leads from trigger assembly. Clean or adjust microcontact 6813 as indicated in § G page 3/7 of adjusting instructions leaflets SAV/40/24.

2) If capstan rotates and premagnetization PD present at magnetic head terminals when claw motor rotating :
   - Supply amplifier with a 1 Kc/s, 2 mV voltage.
   - Set Vu-Exp and Man-Auto contactors respectively to Vu and Man
   - Rotate volume knob to setting 3; the galvanometer needle should settle near the notch located to the right of the viewfinder window.

   a) If the needle does not deviate in the "sound" setting, but does so in "test" and "exposure-meter" settings : proceed as indicated in § B (1-2) A of strippings instructions leaflets SAV/30/24.
      Take diagram 15331.
      Set volume knob to 3 on the scale.
      1 - Check that 2 mV are effectively available at D.
         . If no voltage check screened lead wiring.
         . If 2 mV available, see (2) below.
      2 - Check availability of 2 mV at point E.
         . If no voltage, change 4.7 µF/63 V condenser ref. 8391.
         . If 2 mV availabe, see (3) Below

3 - Check availability of an effective voltage of 8 mV at collector T 9.

. If no voltage : check availability of 15 V DC at point N; if not available see § 4 (8/11)

- Check that the 100 µF/25 V condenser located beneath the printed circuit is not short-circuited with the tabs of transistor T9.
- Mesure T9'sDC emitter voltage; this should be about 1.4 V. If otherwise, replace transistor T9 with a 2N 3391, ref. 8373.

. If 8 mV available, see (4) below.

4 - Check availability of 8 mV at point F.

- No voltage : replace 100 nF condenser ref. 8407.
- If 8 mV available, see (5) below.

5 - Check at point G for availability of 130 mV effective voltage.

- If no voltage, measure DC voltage of T10 source, which should be about 2 V; if absent, replace transistor T 10, refs. 8379 or 8488, the only ones now available; those of ref. 8374 have been superseded. Choose transistor 8379 or 8488 so that its colour coincides with that of the source resistance fitted in the circuit (see indications on diagram MP 15331).
- If 130 mV available, see (6) below.

6 - On the potentiometer's blue lead, check for an effective voltage of 130 mV.

. If no voltage : change 4.7 µF/63 V condenser ref. 8391.

. If 130 mV Effective voltage available, see (7) below.

7 - On the potentiometer's blue/white lead, check for availability of an effective voltage of 5.5. mV.

. If no voltage, change potentiometer, ref. 15230; in order to carry out this exchange, dismantle mechanism, casette holder and converter circuit.

. If 5.5 mV effective voltage availabe, see (8) below.

8 - Check at point H for availability of effective voltage of 5.5 mV.

. In no voltage, inject special product for cleaning and lubricating electrical contacts into the Auto-Manual switch. If no improvement, change switch 8387.

. If 5.5 mV or approximately 5.5 mV effective voltage available, adjust volume potentiometer 15230 so as to obtain exactly 5.5 mV, then see (9) below.

9 - Check at point I (T 11 base) for presence of 5.5 mV effective voltage.

. If no voltage, check both 100 nF condensers ref. 8407 and that portion of the printed circuit connecting them to the base of T 11.

. If effective voltage of 5.5 mV available, see (10) below.

10 - Check at point J (T 11 collector - T 12 base) for availability of effective voltage of 4 mV.

. If no voltage, check T 11 emitter DC voltage; this should be about 80 mV. If not, replace T 11, ref. 8486.

. If effective voltage of 4 mV available, see (11) below.

11 - Check at point K (T12 collector) for availability of effective voltage of 750 mV.

. If no voltage available, measure T 12's emitter DC voltage, which should be 750 mV. If this is not so, replace T 12 ref. 8487.

. If effective voltage of 750 mV available, see (12) below.

12 - Check at point L for presence of effective 750 mV Voltage

. If no voltage, replace 10 µf/25 V condenser ref.8392.

. If effective voltage of 750 mV available, see (13) below.

13 - Check at point M, base of T 13, for availability of an effective voltage of 45 mV.

. If no voltage, 47kOhm resistor ref. 8439 is faulty; replace it.

. If 45 mV available, see (14) below.

14 - Check point A for availability of an effective voltage of 1.5 V.

. If no voltage, check DC voltage output, which should be about 200 mV. Otherwise replace T 13 ref. 8486.

. If effective voltage of 1.5 V available, see (15) below.

15 - Check point B for availability of an effective voltage of 1.5 V.

. If no effective 1.5 V available :

- Check insulation of point B with ohmmeter
- Check condenser.

. If effective voltage of 1.5 V available, see § A2b3.

b) If needle deviates, check microphone.

- If microphone in working order, proceed as indicated in § B(1-2) A of dismantling notes SAV 30/24.

1 - Take wiring diagram 15331.

2 - Adjust the volume knob so as to secure an effective voltage of 1.5 V at point A.

3 - Insert a 10 Ohm resistance between the magnetic head relay circuit and the lead screening.

4 - Connect the LF microvoltmeter to the terminals of this resistance. Now select :

- with a LEVELL microvoltmeter, using the switch, the narrowest possible pass band;
- with a EURELCO microvoltmeter, the low-pass filter on 10 Kc/s.

Change the volume potentiometer setting and check whether the needle moves.

. If no voltage, replace T 14.

. If no needle movement, change magnetic head support PC 15250.

. If needle moves, check cleanness and wear of magnetic head.

N.B. : The camera must be running during this measurement. T 17 must be shorted, and the filter-and-head assembly at rest.

3) If the capstan rotates but there is no premagnetization voltage at magnetic head terminals when the claw motor is running, proceed as indicated in § B (1-2) A-C-D of stripping instructions leaflets SAV/30/24, without unsoldering the grip leads.

1 - Check whether a voltage of 6.5 V is available at point A

a) If no voltage, check wiring of red/white lead between microcontact 6813 and point A.

b) If 6.5 V DC voltage present, see (2) below.

2 - Check whether a DC voltage of about 4.8 V is available at point B.

a) If no voltage, rotate 2.5 Kohm adjustable resistance clockwise.

- If voltage available, the adjustable resistance is faulty and must be replaced. (ref. 8449).
- If no voltage, check insulation of point B, and change 470 µf/10 V condenser ref. 8396.

b) If 4.8 DC voltage present :

- Check whether, on connecting a 470 µF/10 V condenser ref. 8396 between the area of the printed circuit corresponding to point B (diagram 15327) and earth, premagnetization voltage re-appears.
- If voltage re-appears, change 470 µF/10 V condenser ref. 8396.
- If voltage does not re-appear, see (3) below.

3 - Cut off power supply. Measure oscillator windings' resistance : it should be about 12 Ohms.

a) If resistance zero, the 2.2 nF condenser ref. 8405 is shorting and must be changed.

b) If resistance infinity, the coil is broken and must be replaced (ref. 13272); if, after power supply is switched on again, premagnetization voltage is still not present, check T 15 (ref. 8487) and replace it if necessary.

4 - If capstan rotates, premagnetization voltage is present at magnetic head terminals, and the electroluminescent diode does not light up when the capstan circuit is switched on :

1 - Measure the availability at point N of a 15 V DC voltage.

a) If 15 V DC present, see (2) below.

b) If no voltage, cut off power supply and measure resistance of converter coil at :

- 1 ohm base coil
- 1 ohm capstan coil
- 1 ohm multiplier coil; if faulty, replace it (ref. 15333).

Check and change transistor T 16 after rotating the 25 - Kohm variable resistance clockwise.

2 - Measure DC voltage at point 0 (diagram 15331); it should read 14.3 V.

a) If no voltage, check and replace 220-ohm resistor ref.8429.

b) If voltage of 14.3 V available, check electro-luminiscent diode ref. 15255 and transistor T14 ref. 8487. As an indication, its collector voltage should be about 6 V.

B - FAULTY RECORDING

A - Sound volume too low.

B - Ground noise too loud.

C - Saturation when set to Auto.

D - Saturation when set to both Auto and Manual.

E - Crakle on recording.

F - Distortion.

G - Wow.

I- SOUND VOLUME TOO LOW

1. Check Vumeter setting (see adjustment leaflets SAV/40/24, page 6/7 P (9).
2. Check proper positioning of magnetic head support PC 15250, and that of the head itself on its support (the head should project by 1/10 mm).
3. Check head wear.
4. Demagnetize head.
5. Check proper clearance of head pressor PC 15277.

II- GROUND NOISE TOO LOUD

1. Check amplifier sensitiveness; to do so :
   - Set volume knob to maximum.
   - Set Auto-Manual selector to Manual.
   - Connect microvoltmeter to point A, diagram 15331.
   - Input a 1 Kc/s signal of sufficiently high level to obtain an effective voltage of 1.5 V at point A.

- Measure input signal voltage, which should not exceed 200 µV. If such is not the case, measure voltages as indicated in § 2 a), 1 to 15, replacing faulty transistors as required. As a general rule, only transistors T 9 and T 10 are likely to be dubious. In replacing T 10, closely follow the corresponding instructions given in § A 2 a) 5.
- Check whether a spade terminal 6975 is fitted under the 2 x 4 cheese-head screw securingamplifier printed circuit 15331 located near transistor T 9, and if not, fit one and connect it to the amplifier circuit earth.

III - SATURATION WHEN SET TO AUTO

- Feed in 2 mV at amplifier input.
- Check whether, after setting to "Manual" and adjusting the output level (point A of circuit 15331) to an effective voltage of 1.5 V, it remains withing the tolerance limits of 1.3 V and 1.7 V effective when the Auto-Manual switch is moved back to "Auto". If not, replace transistor T 10 or source resistor.

IV - SATURATION WHEN SET TO BOTH MANUAL AND AUTO

- Check Vumeter adjustment - see adjustment leaflets SAV/40/24 page 6/7 § P.
- Check the LF current in the magnetic head - see adjustment leaflets SAV/40/24 page 6/7 § P.

V - "CRACKLE" WHEN RECORDING

- Modify by adding T 17, following the procedure laid down in amendment sheet SAV/100/24/1.
- Check the adjustment of the amplifier blocking microswitch. This should always function before the trip microswitch, both on tripping and on stopping the camera.

VI - DISTORTION

1 - 15 V amplifier power supply filtering system.

- Connect microvoltmeter to point N with no voltage input into the amplifier.

- Set volume knob to maximum.
- The microvoltmeter must not show more than 3 mV; if otherwise, check now 100 µF/25 V condenser fer. 8394 is soldered to point N, replacing the condenser if necessary.
- Connect microvoltmeter to point O; the reading must be less than 1 mV effective voltage; if otherwise, check the way 100 µF/25 V condenser ref. 8394 is soldered to point O, and replace the condenser if necessary.
- Connect microvoltmeter to point P lying under the printed circuit; it must read less than 300 µV; if otherwise, check solder spots connecting 100 µF/25 V condenser ref. 8394, and replace the condenser if necessary.

2 - Measure distortion at point L; this must be less than 1%; if otherwise, examine signals at collector of T 9, T 10 drain, T 11 base, T 11 collector, etc... with an oscilloscope.

3 - Measure premagnetization voltage, which should be an effective 20 V; adjust it if necessary, not omitting to re-adjust the filter - see adjustment leaflets SAV/40/24 N and O.

4 - Using the oscilloscope, check the shape of the premagnetization signal. If this is much distorted, check the 680 pF condenser ref. 8399 on the converter circuit.

5 - Check magnetic head wear, and replace head if necessary.

VII - WOW

A - Loop feeler contacts
- Clean with very fine abrasive paper; can be reached by unsticking disc 15320, located at left hand bottom of cassette housing PC 15317.

B - If movement of feeler PC 15297 is hindered by stop lever PC15023 check, with the camera set to "trip", that the loop feeler does not touch stop lever PC 15023 visible through cassette housing.

C - Claw motor speed irregular.
- Check that the generator is lubricated with special "dynamo NEWS" grease.

- Check whether claw axle friction is not too loose.
- Check whether the motor pinion or the motor secondary are not loose on the motor axle, by holding the motor pinion firmly.

D - Capstan 15157 not free.
- Remove belt and rotate flywheel, the rubber roller not being in contact with the capstan.
- Check that no lead is in contact with the flywheel.
- Clean bearings if necessary, dismantling capstan bearing PC 15011.

E - Rubber roller distorted or not rotating freely : replace it if necessary.

F - Opening lever PC 15304 interfering with rubber roller 15294.
- Remove cassette cover PC 15382.
- Close hinge PC 15321.
- Space rubber roller away from capstan.
- Trip camera, checking that the rubber roller then presses on the capstan.

G - Magnetic head support PC 15250 not resting closely on main base-plate PC 15005.

H - Take up friction irregular.
- In this case, grease washers 15092; or replace them, greasing the new washers.

I - Capstan belt 15182 kinked.

J - Check whether the resistor located between base of T 6 and earth is 2.2 Kohm. If not, replace with a 2.2 Kohm resistor ref. 8336.

INSTRUCTIONS FOR REASSEMBLY OF 5008 CAMERA

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A - TO REASSEMBLE CLAW AXLE MP 15055

1 - Take the axle, fitted with its nylon wheel.

2 - Set up the friction-slip assembly fitted with brass pinion 15058.

3 - Slip on claw axle and set guide marks of axles MP 15055 and MP 15065 opposite one another.

4 - Fit clip 8451 retaining the friction-slip assembly to the claw axle.

B - TO REASSEMBLE SHUTTER AXLE MP 15065.

1 - Slip the shutter axle into its bearing, taking care to have the guide marks on the claw axle and the shutter axle opposite one another.

2 - Slip on washer 15067, the sleeve and the pinion.

3 - Secure the sleeve by means of 1.5x7 pin GO 2P.

4 - Secure the pinion by means of pin 8450.

C - TO REASSEMBLE TRIP LEVER HOOKING PLATE

1 - Preassemble the plate by setting into position :

a) Lever 15035, securing it with screw 15036.

b) Slip in spring axle 15037, spring 15039, washer 15040; through hooking lever 15035, slip a second washer 15040 and spring 15038; screw in the axle and immobilize it, with a drop of varnish.

2 - Fix the trip lever hooking plate thus assembled to the main plate by means of screw 6956 and the hook securing distance piece 15041.

N.B. : Be careful to check that the hooking lever works properly; if screw 6956 shows slight signs of wear at its upper part, it should be changed.

D - REASSEMBLY OF THE STOP-LEVER/TRIP-LEVER ASSEMBLY

1 - Slip washer 15026 on the stop lever spindle.

2 - Fit stop lever PC 15023.

3 - Slip on return spring 15027 so that the camber is oriented towards the lower plate.

4 - Slip on washer 15028.

5 - Put on circlip 1620.

6 - Fix return spring 15027 between the two arms of the stop lever.

7 - Position trip lever PC 15043.

8 - Keep it in place with the two 2x5 metric thread cheese head screws, hooking stud 15220 and the three washers 3166.

9 - Fit return spring 15047 on the hooking-studs.

10 - Check that the complete assembly is in proper working order.

11 - Adjust the blocking microcontact as indicated in paragraph A of the "Instructions for adjusment".

E - REASSEMBLY OF LOWER PLATE PC 15134

1 - Fit feeler PC 15110 on its spindle, keeping it in position with washer 6816 and circlip 11047.

2 - Hook up feeler return spring 15117.

3 - Fit fixed contact PC 15120, keeping it in position with screw 3214.

4 - On the lower plate, fit counter drive pulley PC 15147.

5 - Fit belt 15160.

6 - Fit footage counter driving wheel PC 15150.

7 - Fit circlips 1622 and 1620 securing the counter pulley and wheel.

8 - Fit the take-up spindle bearing, fitted with spindle and pulley, and secure them with the two screws 11608.

9 - Assemble counter holder PC 15093, axle PC 15100, return spring 6559, wheel PC 15105, and brace the spring by one revolution.

10 - Adjust the position of wheel PC 15105 in relation to axle PC 15100 -see adjustment instructions, paragraph B.)

11 - Fit the assembly on its axle, and fit return spring 15108, without stretching it unduly (1/2 rev.).

12 - Slip on washer 15019.

13 - Secure the assembly by means of circlip 1620.

14 - Position running -indicator lever 151065, and its axle 15164 fitted with a circlip 1622.

15 - Position counter declutching rod 15161 and its spring 15162.

16 - Assemble the lower plate after passing the belt over the three

pulleys.

17 - Position the "stop" contact cam, the camera being in the "stopped" position (stop pin against lever); orient the cam insulating stud towards the front of the camera, and secure with pin 8308.

18 - Position the "stop" contact blade and adjust as laid down in paragraph C. of the "adjustment" instructions.

19 - Fit the drive to the end of the claw axle. The camera being in the"stopped" position, orient the clearance of drive 15063 towards the top of the camera, and secure it with pin 8308.

20 - Put on circlip 1622 securing the running indicator lever.

21 - Secure the regulator printed circuit with the two 2x12 metric thread cheese head screws and distance pieces 15343 and 15283.

F - TO REASSEMBLE THE PRISME HOLDER

1 - Position the prism holder fitted with the focusing screen control plate and the focusing screen proper.

2 - Secure it with the three 2x6 metric thread cheese head screws.

3 - Check on the position of the cell protector, which should bear against the lower part and rear of the prism holder.

4 - Insert the prism fitted with its cell.

5 - Secure it in place by means of blade spring 6442 and the two 1.6 x 3 metric thread cheese head screws, seeing that it bears on the lower and rear surfaces.

6 - Fit the cell shutter, tensing spring 15219 against the upper part of the shutter.

7 - Fit circlip 11047.

G - TO REASSEMBLE THE SENSITIVITY PLATE

1 - To the sensitivity plate (side opposite to the axles) fit ratchet spring 9183 by means of the 2 X 2 metric thread cheese head screw and washer 6126.

2 - Fit volume potentiometer 15230 to the sensitivity plate.

3 - Fit the plate on to its distance pieces with the four 2x4 metric thread cheese head screws.

4 - On the sensitivity spindle slip spring washer 13715 and sensitivity track PC 15241, and secure with washer 3166 and the 2x3 metric thread cheese head screw.

5 - Position ball 8310.

6 - Slip main switch PC 15252 on to its axle.

7 - Secure it with washer 3166 and the 2x3 metric thread cheese head screw.

8 - Secure contact blades PC 15233 and PC 15236; resolder all leads as shown on the wiring diagram.

H - TO REASSEMBLE THE AMPLIFIER AND REGULATOR PRINTED CIRCUITS

1 - Position the amplifier printed circuit, securing it with the 2x4 metric thread cheese head screws and secure cell relay 15268.

2 - On the capstan, successively thread flywheel distance piece 15175, its shoulder towards the bearing and the flywheel, its clearance towards the top.

3 - Secure the flywheel with washer 3166 and the 2x4 metric thread cheese head screw.

4 - Secure capstan motor 15179 with the three 2x3 metric thread cheese head screws.

5 - Secure pulley 15180 to the motor shaft.

6 - Position capstan belt 15182.

7 - Secure the regulator printed circuit with the two distance pieces 15343, and the two 2x14 and the 2x3 metric thread cheese head screws.

8 - Wire up as shown in the wiring diagram.

9 - Adjust the trip contact as laid down in paragraph E of the instructions for adjustment.

I - TO REASSEMBLE THE MAGNETIC HEAD MOUNTING AND LEVER ASSEMBLY

1 - Prepare the magnetic head mounting by assembling :

a) the magnetic head, adjusting :

- height, by means of template 0-332 and shims 15285 5/100, 15289 10/100 and 15290 15/100;

4 - On the sensitivity spindle slip spring washer 13715 and sensitivity track PC 15241, and secure with washer 3166 and the 2x3 metric thread cheese head screw.

5 - Position ball 8310.

6 - Slip main switch PC 15252 on to its axle.

7 - Secure it with washer 3166 and the 2x3 metric thread cheese head screw.

8 - Secure contact blades PC 15233 and PC 15236; resolder all leads as shown on the wiring diagram.

H - TO REASSEMBLE THE AMPLIFIER AND REGULATOR PRINTED CIRCUITS

1 - Position the amplifier printed circuit, securing it with the 2x4 metric thread cheese head screws and secure cell relay 15268.

2 - On the capstan, successively thread flywheel distance piece 15175, its shoulder towards the bearing and the flywheel, its clearance towards the top.

3 - Secure the flywheel with washer 3166 and the 2x4 metric thread cheese head screw.

4 - Secure capstan motor 15179 with the three 2x3 metric thread cheese head screws.

5 - Secure pulley 15180 to the motor shaft.

6 - Position capstan belt 15182.

7 - Secure the regulator printed circuit with the two distance pieces 15343, and the two 2x14 and the 2x3 metric thread cheese head screws.

8 - Wire up as shown in the wiring diagram.

9 - Adjust the trip contact as laid down in paragraph E of the instructions for adjustment.

I - TO REASSEMBLE THE MAGNETIC HEAD MOUNTING AND LEVER ASSEMBLY

1 - Prepare the magnetic head mounting by assembling :

a) the magnetic head, adjusting :

- height, by means of template 0-332 and shims 15285 5/100, 15289 10/100 and 15290 15/100;

- depth of head by applying tool-0-325 to the film slides and pushing the head until it comes into contact with the pole masses; with this tool, secure the head using the 2x4 metric thread screw.

b) stirrup 15272, with short bearing 15273 and screw 11082 on the capstan side and onthe claw axle side, bearing 15274 on which spring 15275 has been threaded; secure with washer 13023 and screw 11082.

2 - Secure film pressure lever PC 15277 by winding spring 15284 through one revolution; do not forget washer 15283 located under securing distance piece 15282, and check that, when the film pressure lever is manoeuvered towards the lower part of the camera, it feeds loop feeler lever PC 15110.

3 - Secure the magnetic head mounting with the two 2x4 metric thread cheese head screws and check that the film pressure lever moves freely.

4 - On runner holder 15294, ratch rubber runner PC 15295 fitted with its spindle 15298.

5 - Inside the runner holding lever, position spring 15301.

6 - Thread the lever on to its pin and secure it with circlip 1620.

7 - Position aperture lever PC 15304 fitted with its pring 15309, and keep it in position with circlip 1620. Adjust the loop feeler's position, and the amplifier supply switch, as stated in paragraphs F and G of the Instructions for Adjusting, and check that the pressures are in compliance with the standards laid down in the same paragraph.

Adjust the galvanometer as indicated in paragraph H of the Instructions for Adjusting. Check that the camera runs normally, then position the cassette holder.

J - TO REASSEMBLE THE CASSETTE HOLDER

1 - Check that no traces of putty remain round the film guide, that the filter is properly adjusted and the claw spring is properly positioned.

2 - Position cassette holder PC 15317 fitted with its hinge PC 15321 spring blades 6746 and sealing gasket 15325, then secure with the four 2x2 metric thread cheese head screws.

K - TO RETURN THE MECHANISM TO ITS HOUSING PC 15360

1 - Place the mechanism in tis housing.
2 - Secure with screws 6727, 15273 and 15308.
3 - Screw on the trip button and check that the trip system is working properly.
4 - Finish off assembly by fitting lens mount PC 15391.

L - TO REPLACE PISTOL GRIP PC 15397.

Proceed in reverse order from paragraph B of the Instructions for stripping.
Then check that the two microcontacts are properly adjusted and, if they are not, adjust as laid down in paragraph 1 of the Instructions for Adjusting.

M - TO REPLACE COVER PC 15397

1 - Unstick the discs concealing the holes giving access to the adjustment devices : speeds, cell shutter, battery check and focusing screen.
2 - Secure the cover with nut 6467 and screw 3214.
3 - Stick sealing disc 15408 over nut 6467.
4 - Secure focusing screen knob 15402 with the 2x3 metric thread screw.
Then carry out adjustments as laid down in the Instructions for Adjusting.

FUNCTIONING OF THE 3008 CAMERA

The 3008 MS is different from the 5008 MS because :

- the galvanometer does not exist anymore and is replaced by a red electroluminescent diode.
- the amplifier does not have anymore a manual control for sound and is equipped with an integrated circuit TDA 1002.

A - Functioning of the claw's regulating motor

Identical to the one used on the 5008 except the voltage divider which has two additional resistors adjustable for both speeds 12 and 36 fps.

B - Functioning of the captsan's regulating motor

Identical to the one used on the 5008 except the voltage divider which has two additional resistors and the contact of the loop feeler is only equipped of one resistor.
The adjustment 18 fps loop feeler closed, does not exist anymore because the value is given by the voltage divider having the fixed resistor 100 Ohms and the variable resistor of 2,5 Kohms.

C - Functioning of the posemeter

The posemeter is composed of 3 transistors Q 3, Q 4 and Q 5 and of the R red electroluminescent diode.
Both transistors Q 4 and Q 5 make a differential amplifier receiving on one hand on the base of Q 4 the voltage 3,8 V on medium point of accumulator and on the other hand on the base of Q 5 the variable voltage 3,8 V according to the light intensity received by the photo cell.
When these two voltages are equivalent, the potential base emitter of Q 3 is lower to 0,6 V, the transistor Q 3 is then blocked. The slide-swith "Auto Manual" set on position Manual the transistor Q 3 having no collector current the diode does not light up.

Supposing that the light intensity increases :

- The voltage 3,8 V applied on the base Q 5 decreases
- The voltage collector emitter of Q 5 increases
- The base of Q 3 being connected to collector of Q 5 through the diode OF 134, the transistor Q 3 becomes conductor and diode R lights up. Contrarily, for a reduction of voltage 3,8 V of the posemeter, the transistor Q 5 becomes more conductor :

  - the emitter current of Q 5 increases
  - the emitter ground voltage increases
  - the ground base voltage of Q 4 being fixed the emitter ground voltage of Q 4 decreases.
  - the emitter collector voltage of Q 4 increases and the transistor Q 3 conducts.

D - Functioning of accumulators' checking and indicator in full aperture.

These two functions are made by transistors Q 1 and Q 2. The switch "Auto-Manual" must be set on position "Auto".

a) Checking of accumulator

adjustable resistor of 25 Khoms B.T. must be adjusted in such a way that transistor Q 1 be on the threshold of unblocking for a supply voltage of 7,1 V of the supply voltage. If the voltage decreases :

- the emitter base voltage of Q 1 increases
- the transistor Q 1 becomes conductor
- the current collector of Q 1 being the base current of Q 2 makes transistor Q 2 conductor, and the red lid diode lights up.

b) Indicator in full aperture

When the lens is at 1,4 diaphragm, a contact short-circuited at the ground, the base of Q 1 through the resistor of 1 Kohm the transistor Q 1 becomes then conductor and consequently transistor Q 2.

E - Functioning of the amplifier

The supply voltage is of 6,2 stabilized by transistor Q 15.
The oscillator of premagnetization composed of transistor Q 14 and of 165 spires coil delivers an alternating voltage of 60 KHz; this voltage cannot be directly applied on the magnetic head because the low impedance of the magnetic head might overcharge the oscillator.

An impedance adaptation is then made with mounted transistor Q 16 in "emitter follower".
The amplifier is composed of integrated circuit TDA 1002 which can be divided in three sections :

- the first section is the microphone amplifier
- the second section is the recording amplifier
- the last section is the automatic level control of the sound

The low frequency voltage available on pin 9 is, for the same reason as for premagnetization, applied on base of transistor Q 17 which adapt the impedance of the magnetic head to the one of the integrated circuit.

The low frequency voltage available on emitter of Q 17 is applied on the base of Q 18,

- on one hand, for the control of the green electroluminescent diode indicating presence of modulation,
- on the other hand, on the earphone's socket, the condensator of 22 nF help in restoring the adjustment in frequency (reduction of trebbles).

ADJUSTMENT INSTRUCTIONS FOR THE SPEEDS OF THE 5008 MS AND 3008 MS

Strickly follow the order of the adjustment indicated in the attached lists. Numbers of the resistors correspond to the adjustments.

The values give, in milli-seconds, the period, i.e. the time that the claw axle or the captsan take to make one turn.

The numbers outlined are the adjustments, the others are the checking.

Only the adjustment 11 in the case of the 5008 MS needs an explanation :

- The loop feeler up : by means of resistor 11 stop the capstan, then start it and note the value at which the capstan starts : "x"
- Put the loop feeler down, note the new value : "y"
- Calculate the average : $\frac{x + y}{2}$
- Adjust the resistor 11 when the loop feeler being down to obtain :

$$\frac{x + y}{2}$$

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SAV/40/25 A
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ADJUSTMENT INSTRUCTIONS FOR BATTERY TEST

- Adjust the supply voltage at 7,1 V.
- Set the main switch in position "Auto".
- Rotate the slider of the resistor to light up the red electroluminescent diode; then rotate the slider inversely to come to a near light out, i.e. that the diode must be only slightly pink.

ADJUSTMENT INSTRUCTIONS FOR THE POSEMETER

- Check the supply voltage on 7,6 V.
- Set the main switch "Auto Manual" on "Manual".
- Adjust the fixed-focus lens at 5,6, then adjust as on the 5008 when the red electroluminescent diode lights out.

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INSTRUCTIONS FOR 3008 AMPLIFIER FAILURES

A - NO SOUND RECORDED

Check that voltage of premagnetization at the magnetic head is present. This voltage must be of 1 Volt ± 0,1 V.

If voltage of 1 Volt is present :
Stop the oscillation of the premagnetization generator by inserting a piece of film between the slider and the carbon track of the adjustable resistor of the premagnetization voltage and by short-circuiting the end of this adjustable resistor with the ground (the ground is the brass conductor located at the edge of the printed circuit).

Inject a voltage of 2 mV frequency of 1 KHz on the mike input and insert a resistor of 1 Ohm serieswise in the screening wire of the magnetic head. The measured voltage on this resistor must be of about 320 uV.

If voltage of 320 uV present, check the magnetic head with an Ohmmeter.

- Head cut, replace it.
  CAUTION : The magnetic head of the 3008 is different from the ones used on the 5008S and the 5008 MS. The reference of the 3008 S' magnetic head is PC 15845.
- If the head is not cut, demagnetize it and check on pin 9 from the integrated circuit that voltage of 0,5 Volts is present.

No voltage : replace the printed circuit.
To replace the printed circuit of the amplifier it is necessary to take the mechanism out of the body.

B - FAULTY RECORDING

Check the presence of the premagnetization voltage and its form. If no voltage check the coil's wires of the oscillator and resolder them.

POSEMETER FAILURES

The indicating diode does not light up :

- Check the good functioning of the switch "Auto Manual".
- Check if the diode lights up when short-circuiting the upper stud of the lens mounting with the ground, the main switch "Auto Manual" being set on position "Auto".

  - The diode does not light up : replace the diode
  - the diode lights up : replace the amplifier's printed circuit.

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Le 5 AVRIL 1976

CORRESPONDING PARTS FOR REGLOMATIC AND REFLEXMATIC FOR : 4008 - 5008 - 3008

CORRESPONDANCES PIECES 4008 - 5008 - 3008

-:-:-:-:-:-:-:-:-:-:-:-:-:-:-:-:-:-

DESIGNATION	4008 S	4008 ZM Sch	4008 ZM Ang.	5008 Ang.	5008 Sch	3008
Platine principale Main plate	6097	6077	15623	15623	15603	15623
Circuit réglomatic Reglomatic circuit	MP 9625x1	MP 9625	MP 9625	MP 15609	MP 15609	MP 15609
Lame de masse contact blade complete	PC 250	PC 250	PC 250	PC 250	PC 250	15903
Bouton ouverture iris iris aperture button		6081A	6081A	6081A	6081A	15911
Support moteur motor support	6090	6090	6090	6090	6090	15915
Gravure engraved plate		6096	6096	6096	6096	15916
Microcontact Microswitch		PC 254	15630	15630	15630	15630
Platine d'arrêt Stop plate		6079	15604	15604	15604	15604
Carter du circuit Circuit cover	6110	6110	6110	15614	15614	15614
Gravure engraved plate		6080	6080	15615	15615	15615
Support microcontact microswitch support		6084	15631	15631	15631	15631
Renfort tube zooming Zooming tube reinforcement		6121	6121	15605	15605	15605

PARTS HERE BELOW DO NOT EXIST ON THE REFLEX ZOOM OF THE 3008 :
LES PIECES SUIVANTES N'EXISTENT PAS SUR LE REFLEX ZOOM DE LA 3008 :

- 6094
- 6109
- 6095
- 6099
- 8301
- 6105

3008 MS

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SPEED	18				24				36				12			
CLAW	1 (ADJ)	55,2	55,55	55,9	2 (ADJ)	41,5	41,66	41,8	3 (ADJ)	27,6	27,8	27,9	4 (ADJ)	82,6	83,3	84
CAPSTAN LOOP FEELER DOWN	5 (ADJ)	~~(162,2)~~ ~~165,1~~	~~(163,9)~~ ~~166,8~~	~~(165,6)~~ ~~168,6~~	6 (ADJ)	124,6	125,1	126,1	10 (CHECK)		<79,2		11 (ADJ)	226,6	225	223,4
CAPSTAN LOOP FEELER UP	8 (CHECK)	~~191,6~~ ~~(187,9)~~	~~194~~ ~~(190,2)~~	~~196,4~~ ~~(192,5)~~	7 (ADJ)	140,6	141,2	143,2	9 (ADJ)	98,3	99	99,6	12 (C+)		STOP	

Loop feeler up : palpeur en haut
Loop feeler down : palpeur en bas
Claw : griffe
Capstan : cabestan

- Les valeurs entre parenthèses sont pour le palier à billes.
- values indicated into brackets are meant for the ball-bearing
- Les autres valeurs pour le palier en laiton.
- the other values are for the brass-bearing.

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5008 MS

SPEED	18				24				42				8			
CLAW	1	55,2	55,55	55,9	2	41,5	41,66	41,8	3	23,7	23,8	23,9	4	123,4	125	126,5
LOOP FEELER DOWN	5	(162,2)	(163,9)	(165,6)	6	124,1	125,1	126,1	10		<72		11	y	$\frac{x+y}{2}$	
CAPSTAN		165,1	166,8	168,6												
CAPSTAN	8	(191,6)	(194)	(196,4)	7	140,6	141,2	143,2	9	83	83,4	83,8	12	x	STOP	
LOOP FEELER UP		187,9	190,2	192,5												

Loop feeler up : palpeur en haut

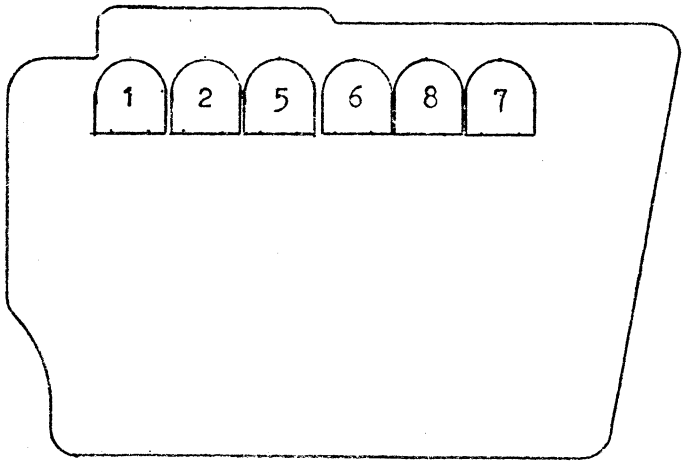
Loop feeler down : palpeur en bas

Claw : griffe

Capstan : cabestan

- Les valeurs entre parenthèses sont pour le palier à roulement à billes.
- values indicated into brackets are meant for the ball-bearing
- Les autres valeurs pour le palier en laiton.
- other values are for the brass-bearing.

5008



5008 MS - 3008 MS

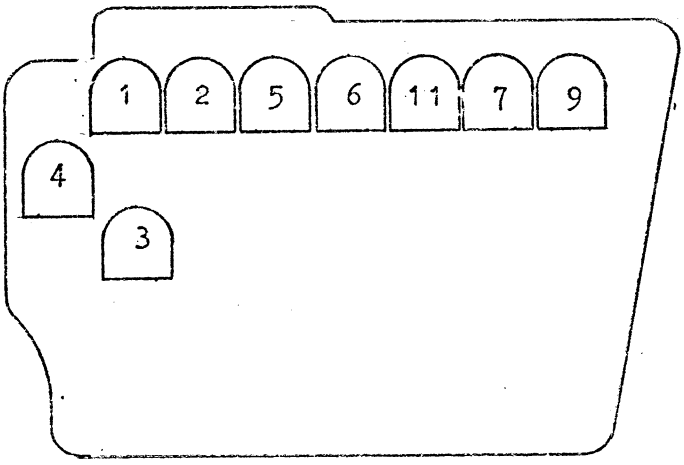


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TABLEAU D'EQUIVALENCE DES TRANSISTORS.

Transistors equivalence time-table

X = P.N.P.

N°		TYPE	Réf: BEAUL.	Equivalences possibles	Used Utilisés en Oct. 76	Brochage Connection
1	X	AC 180 K 7	8302	2	2	I
2	X	AC 188 01	8521	1	2	I
3	X	AD 139	9085	4 -20 -35	20	G
4	X	AD 148	9057	3 -20 -35	20	G
5		BC 168 A	8367	8 -14 - 24	14	A
6		BC 169 B	8368	9 -15 - 25	15	A
7		BC 209 C	8524	16 -31 -	16	B
8		BC 238 A	8486	5 -14 - 24	14	B
9		BC 238 B	8487	6 -15 - 25	15	B
10	FET	BC 264 C	8379	23 -32 -	10	E
11	X	BC 327	8377	18 -	11	B
12	X	BC 328	8489		12	B
13		BC 337	8520	17 -	13	B
14		BC 548 A	8486	5 - 8 - 24	14	B
15		BC 548 B	8487	6 - 9 - 25	15	B
16		BC 549 B	8373	7 -31 -	16	B
17		BCW 91 B	8376	13 -	13	B
18	X	BCW 93 B	8377	11 -	11	B
19	X	BCW 96 B	8526	11 - 18	11	B
20	X	BD 436	6240	3 - 4 - 35	20	H
21		...	...	...	..	
22		BDY 55	8528		22	G
23	FET	BF 245 C	8488	10 - 32	10	E
24		PBC 183 A	8372	5 - 8- 14	14	A
25		PBC 183 B	8369	6 - 9-15	15	A

../.

Transistors equivalence time-table

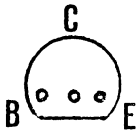
N°		TYPE	Réf : BEAUL.	Equivalences possibles	Utilisés en OCT. 76	Brochage
26	UJT	2 N 2647	8529		26	F
27	X	2 N 2905	8530		27	C
28		2 N 2926 jaune	6966	5- 8-14- 24	14	A
29		2 N 2926 vert	6966	6- 9-15-25	15	A
30		2 N 3252	8351		30	C
31		2 N 3391 A	8373	7-16-	16	A
32	FET	2 N 3819	8374	10-23-	10	D
33	X	2 N 5354	8352	11-12-18-19-34	12	A
34	X	2 N 5356	8375	11-12-18-19-33	12	A
35	X	9894	9894	3- 4-20	20	G

EQUIVALENCE DES DIODES

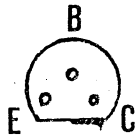
1		D 45 C	8361	7 -	7	
2		M 12	10352	6 -	6	
3		O A 95	8383	5 -	5	
4		O F 134	8493	8 - 9	9	
5		SFD 108	8383	3 -	3	
6		1 N 645	8533		6	
7		1 N 4002	8534		7	
8		34 P 4	6965	4 - 9	9	
9		1 N 4148	8535	4 - 8	9	

BROCHAGES

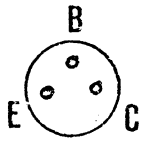
CONNECTIONS



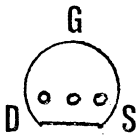
A



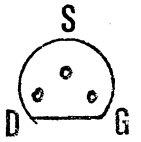
B



C

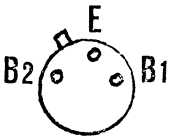


D

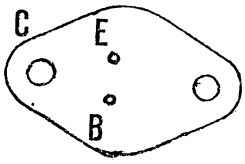


E

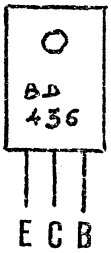
F



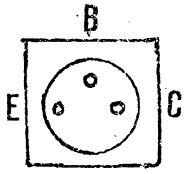
G



H



I



MODIFICATION NOTE - 5008S

Unlike our usual procedure when publishing Modification Notes, we hereunder successively enumerate the modifications incorporated in the 5008 cine-cameras since their production started.

First modification :

The capstan bearing, which was initially made up of a smooth bearing and a ball bearing, is now fitted with two ball bearings, in order to ensure smoother film passage by reducing friction. The capstan is drilled at its tip to receive a reflecting mirror for use when adjusting speeds.

Second modification :

Opening lever PC 15304 is cambered in its lower part to avoid jamming of pinch roller PC 15295 on tripping the camera.

Third modification :

Return-spring 15275 actuating stirrup-piece 15272 is no longer fixed in the plate clearance, but to a stud set in magnetic head support PC 15250.

Fourth modification :

The magnetic head is no longer supplied separately, but fitted and adjusted on its support. The sub-assembly's reference is PC 15250. In this sub-assembly, the head projects 1/10mm beyond the plane of the film guide surfaces.

Fifth modification :

An earthing terminal connecting the camera body to the amplifier mike input body has been added, to eliminate interference.

Sixth modification :

In order to maintain the cassette holder in its right position, its underpart rests on two screws 15202 securing shutter support PC 15185.

Seventh modification :

The upper pressure-plate thrust block of film channel 6415 is reduced, in order to increase vertical stability. You should therefore not fit the 6415 channels you hold in stock to 5008 cameras. With effect from now, all film channels forwarded will be of a modified type and may be fitted to any 2008, 4008 and 5008 cameras.

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December 1974
A. FOURNIER

Eight modification :

Take-up spool friction should no longer be checked, as indicated during the course, with a friction tester of the torque-meter type, but with the standard BEAULIEU 0-204 tester, and the friction thus found should lie between values of 18 and 30 g.

Friction should be very smooth (no jerks). To ensure this smoothness, use grease on Teflon washers 15082.

Ninth modification :

Main cover-plate 15409 glued to cover 15398 should be affixed with transprene adhesive, in order to avoid the cover-plate's becoming unstuck owing to pressure from cover-plates 15404 - 15405 and 15406.

Tenth modification :

Electrical connection between the moving contact of loop feeler PC 15110 and relay 6384 is achieved by means of metal blade ref. : 15124; this number is to be added to the price list : 0.08 Fr.

Eleventh modification :

Head pressure lever PC 15277's shape has been modified in order to allow return-spring 15302 to be hooked on to its left side, the other end of the spring being attached to stud 15303 screwed into the plate. The use of spring 15302 does away with spring 15284. This new return system reduces head pressure lever PC 15277's friction on its screw-in pin 15282.

Twelfth modification :

The flywheel is secured to the capstan by one or other of these means :

a) 2 X 4 cheese-head screw 3166 and washer 3166

b) 2.5 X 4 cheese-head screw and washer 13023

Thirteenth modification :

The pressure of the side springs is 55 to 65 gr for each spring.

Fourteenth modification :

The capstan slow-speed adjustment resistors are modified from :

- 5 Kohms to 2.5 Kohms for 22 fps
- 2.5 Kohms to 1 Kohm for 16 fps.

Fifteenth modification :

There are two specifications for capstan speeds :

a) Capstan with smooth bearing and ball bearing :

18 fps setting :	Max. speed 19 fps Min. speed 16 2/3 fps
24 fps setting :	Max. speed 25 fps Min. speed 22 2/3 fps

b) Capstan with two ball bearings :

18 fps setting :	Max. speed 19 1/3 fps Min. speed 16 1/3 fps
24 fps setting :	Max. speed 25 1/3 fps Min. speed 22 1/3 fps

Cameras fitted with undrilled capstans should be adjusted with a stroboscope. Those fitted with a drilled capstan should be adjusted with our new assembly allowing speed adjustment with the digital frequency meter.

The frequency meter being set to periodmeter, readings should be as follows:

18	55.55 ms ± 0.05
24	41.66 ms ± 0.05
25 1/3	195.3 ms ± 0.2
22 1/3	141.7 ms ± 0.2
19 1/3	164.0 ms ± 0.2
16 1/3	195.3 ms ± 0.2

Sixteenth modification :

Bias adjustment is raised from 13 Volts to 20 Volts.

Seventeenth modification :

From the camera bearing n° 441,300 onwards, the Falkenthal cells are replaced with Moririca cells.

It is possible to obtain satisfactory adjustment, when replacing a Falkenthal by a Moririca cell, without modifying the electrical circuit.

Cameras fitted with Moririca cells are divided into four separate groups :

a) Moririca cell with 47 Kohms resistor in parallel with the cell, and 0 version sensitivity potentiometer (basic diagram 15498).

b) Moririca cell without resistor in parallel, with 0 version sensitivity potentiometer (basic diagram 15498).

c) Moririca cell with A version sensitivity potentiometer (basic diagram 15498).

d) Moririca cell with B version sensitivity potentiometer (basic diagram 15480).

Only group (d) requires consideration. In passing from groups (a) - (b) - (c) to group (d), it is necessary :

1) to change the sensitivity potentiometer to version (b) (diagram 15496 B)

2) To modify the exposure meter circuit so as to return to the Falkenthal type.

3) to change the 25 and 200 ASA adjustments resistors.

Eighteenth modification :

The loop feeler should be adjusted with a 0.3mm thickness gauge. Check for correct loop length with an open cassette.

Nineteenth modification :

The resistor connected in series with the LED goes from 2.2. Kohms to 1 Kohm.

MODIFICATION NOTE - 5008 S

SUBJECT : Addition of an electronic circuit, designated "anti-noise circuit", to the amplifier.

PURPOSE : Short-circuiting the magnetic head when the camera is tripped, so as to suppress recording both a cracking sound and that of the mecanism motor stopping.

NEW PARTS :

- 15537 : anti-noise printed circuit.
  This part can be made up from part 11791 by cutting off two contacts on the side opposite the fixing hole.

PRODECURE :

- Prepare the printed circuit as shown on diagram MP 15536 by adding 470 pF condenser n° 8403 between transistor base and emitter.
- Connect (see wiring diagram 15497) :
  a) Emitter lead 41 to the tripping microcontact.
  b) Collector lead 19 to the adjustable 50 Kohm resistor.
  c) 10 Kohm resistor lead 52 to the tripping microcontact.

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SAV/100/24/1
Drawn up by
Mr. Fournier
17/3/1975

MODIFICATION AMENDMENT - 5008 S

PURPOSE : 1 - Modification of tripping mechanism.
2 - Modification of pistol grip attachment to body.

METHOD : 1 - Making tripping smoother by addition of a trigger.
2 - Strengthening the body base by addition of a steel plate.

NEW PARTS : 1 - MP 15752 : trigger. Price to agents : free of charge
2 - PC 15534 : body strenghtening plate. Price to Agents :F2,60

OPERATIONS REQUIRED FOR MODIFICATION N° 1

- Unscrew trip button MP 15376, remove the trip button retaining clip, the washer and the spring; remove trip button bearing sleeve 15378, and replace it with a modified bearing, as shown in the accompanying drawing. We are supplying you with a few modified sleeves; you will yourselves be able to modify those on existing cameras, providing your workshop is equipped with a lathe.

N.B. : Caution ! When modifying a camera with a serial number higher than 445.680, change piston 15377 since, on these cameras, the piston is 0.2 mm shorter. Moreover, the pistons 15377 which we shall henceforward supply are of steel not of brass, to avoid distortion of the end in contact with trip lever PC 15286. Reassemble the trip button, check that the button penetrates as it should into trigger MP 15752; if it does not, widen the trigger clearance.

Very lightly screw button MP 15376 on to the camera and fit the trigger to the button. Screw the button in tight, and check for correct operation Several cases may occur :

1 - Operation is normal, nothingneeds adjusting ;
2 - Ratching occurs in the "continuous" position, but the camera cannot be stopped : this is due to too short a button, and can be remedied by correcting the surface 8.8 mm from the front surface and reducing this distance to 8.6 mm.

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SAV/100/24/2
drawn up by
Mr. Fournier
30 May 1975

3 - No ratching occurs. The button is too long and should be filed down and polished, not forgetting to cut a slight bevel inside the hole.

We have planned for sufficient parts to fit to all cameras; but please stagger your orders, however!

OPERATIONS REQUIRED FOR MODIFICATION N° 2

- Dismantle the grip from the body. Using template 0-342, drill a hole of Ø 2.1 or 2.2mm, and drive out the grip-retaining nut, using a 7mm twist drill.
- Remove the template and affix reinforcement plate PC 15534 with a 2x3 mm metric thread cheese-head screw.

Modification n° 2 has been applied to all cameras with a serial number of 445.225 or over. The tripod fixing nut has also been strenghtened from the same number on.
As for modification n° 1, we have planned for enough parts to modify all cameras.

RECALL OF THE VARIOUS MODIFICATIONS
made on the 5008 S camera

1) Replacement of the Falkenthal cell by a Morririca cell.
2) Replacement of the capstan brass-bearing by a ball-bearing one.
3) Modification of the accumulator pins to have a better connection.
4) Modification of the friction of the sensitivity potentiometer.
5) Modification of the magnetic head pressure pad as well as its return-spring.
6) Modification of teflon washers of the take-up friction's spring.
7) Modification of the ratchet mechanism of the Manual-Auto-Test main switch (ratchet mechanism softer).
8) Modification of the BD 436 power transistor attachment.
9) Modification of the attachment of the ratching release assembly.
10) Modification of the footage counter device.
11) Adjunction of a strenghtening plate of the body.
12) Adjunction of an "anti-clak" circuit.
13) Adjunction of the release button system and of the steel release button.
14) Adjunction of a filter condensator on the amplifier to avoid the "Motor boating" effects.
15) Adjunction of a ground line on the shutter plate to avoid problems with bad ground line due to "teflon coating" of the shutter plate.
16) Modification of the skinplate cartridge cover permitting to insert the "B" of Beaulieu.
17) Reduction of the clearance existing between the rubber roller PC 15295 and the capstan when the camera is switched off. This clearance must be of about 0,5mm thus avoiding the film jam between the magnetic head and the film-gate.

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JANUARY 1976

A. FOURNIER

MODIFICATION NOTE : 5008S - 5008 MS

SUBJECT : a) - Adjustment of the adjusting values of the exposure meter.
b) - Putting a sponge plastic washer in its place replacing the mastic of the lens mount.
c) - Discs 6719 are self-sticky of same material as the 6114.

OBJECT : a) - Correct a slight tendency of over-exposure.
b) - Facilitate the mastic process therefore gaining time and a better appearance.
c) - Gain of time and better appearance.

NEW SPARE PART :

b) - Light and dust proofed washer of the lens mount :

Reference : 15 759

MODIFICATION TO BE MADE :

a) - Page 40/24 : Adjustment of the exposure meter : 25 ASA

. Adjust the light box to obtain an illumination of 1950 Lux.

Adjustment of the exposure meter : 160 ASA

. Adjust the light box to obtain an illumination of 193,5 Lux.

b) - Add to the price list :

15 759 : light and dust proofed washer lens mount (EJLPSTUV)

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SAV/100/24/3
Established 30.7.76
by Mr. FOURNIER

MODIFICATION NOTE : 5008

SUBJECT : Cancelling of two Zooming's microswitches

PURPOSE : Reduce risks of failure

NEW PARTS : 15630 microswitch

Modification to be made to technical documentation :

New schemes : 15632 : lens basic circuit
15633 : lens wiring diagram

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SAV/100/24/4
Established by
Mr. FOURNIER
25.11.1976

MODIFICATION NOTE : 5008 S

SUBJECT : Modification of the ocular ring and the stop ring

PURPOSE : Adaptation of rubber eyepiece 15597 on last Super 8 camera types.

NEW PARTS :

15596 : ocular ring
15883 : stop ring
VPM 2x2 : locking screw
15597 : rubber eyepiece

NB : Please correct on English price list the designations where an error slipped : the correct designations are as follows :

15596 : ocular ring

15883 : stop ring

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SAV/100/24/5
Established by
Mr. FOURNIER
25.11.1976

MODIFICATION NOTE : 5008 S - 5008 MS

SUBJECT : Modification of amplifier printed circuit

PURPOSE : Incorporate the "anti-clack" circuit in the amplifier circuit.

CANCELLED PART : 5008 MS amplifier circuit : MP 15583

NEW PARTS :

MP 15548 : 5008 S amplifier circuit
MP 15591 : 5008 MS amplifier circuit
15268 : Cells connecting circuit

A connecting circuit 15268 has to be added in order to connect the two terminals of the cell.

Modifications to be made to technical documentation :

a) Price List : SAV/70 - sheet 48/54

add : MP 15548 : amplifier circuit type T
MP 15591 : amplifier circuit type U

CANCEL : MP 15583 : amplifier circuit

5008 S break-aways : replace amplifier circuit MP 15331 by MP 15543 and MP 15548

NEW SCHEMES :

MP 15548	Amplifier circuit 5008 S
15547	Wiring diagram 5008 S
MP 15591	Amplifier circuit 5008 MS
15592	Wiring diagram 5008 MS

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SAV/100/24/6
Established by
Mr. FOURNIER
26/11/1976

MODIFICATION NOTE : 5008 S and 5008 MS

SUBJECT : Adding of a resistor of 100 Kohms of the modulation diode of the amplifier circuit.

PURPOSE : To obtain the complete lights out of the red electroluminescent diode (LED), modulation indicator.

Modification to be made to technical documentation :

Modified schemes :

- MP 15543 : amplifier circuit 5008 S
- MP 15548 : 5008 S amplifier circuit
- MP 15583 : 5008 MS amplifier circuit
- MP 15591 : 5008 MS amplifier circuit

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SAV/100/24/7

Established by
Mr. FOURNIER
25/11/1976

MODIFICATION NOTE : 5008

SUBJECT : Modification of subminiature remote control socket on cameras and accessories.

PURPOSE : New Supplier

NEW PART : 15441 : remote control socket.

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SAV/100/24/8
Established by
Mr. FOURNIER
25.11.1976

MODIFICATION NOTE : 500S MS

SUBJECT : Value of the resistor 4,7 Kohms to be modified into 5,1 Kohms on the regulation circuit.

PURPOSE : Change the value of the tension-divider concerning the adjustment of the claw motor's speeds in order to use the new ZENER Diodes B2X79C.

Modification to be made to the technical documentation :

Modified schemes :

- MP 15566 : regulation circuit
- 15586 : basic circuit

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SAV/100/24/9
Established by
Mr. FOURNIER
25.11.1976

MODIFICATION NOTE : 5008 MS

SUBJECT : Reduction of the speed variation between maxi and mini of the capstan at 18 f.p.s.

PURPOSE : Eliminate risks of wow and flutter at 18 f.p.s.

Modifications to be made to technical documentation :

Modified schemes :

- MP 15566
- 15586

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SAV/100/24/10
Established by
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25/11/1976

MODIFICATION NOTE : 5008 S and 5008 MS

SUBJECT : Modification of the cartridge door's window

PURPOSE : To avoid the fall of the window

NEW PART :PC 15385 : equipped window's cartridge.

Modifications to be made to technical documentation :

Price list : SAV/70 - Sheet 46/54

Add : PC 15385 : equipped window's cartridge

Setting is made by means of the tool 0-355

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SAV/100/24/11
Established by
Mr. FOURNIER
25/11/1976

MODIFICATION NOTE : 5008

SUBJECT : modification of the wires connecting lug of the loop feeler

PURPOSE : To gain time and easier assembly.

NEW PARTS :

- 15268 : connection circuit
- CBM 2x2: secured screw

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SAV/100/24/12
Established by
25.11.1976

MODIFICATION NOTE : 5008

SUBJECT : Modification of the inside mask of lens front standard

PURPOSE : To allow the way in of the rear part of Zoom lens 6-70

NEW PART : PC 15594 : front standard

Cancelled part : PC 15391 : front standard

Modifications to be made to technical documentation :

Break-aways 5008 S :

replace PC 15391 by PC 15594

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SAV/100/24/13
Established by
Mr. FOURNIER
26/11/1976

MODIFICATION NOTE : 5008 MS

SUBJECT : Modification of the galvanometer's viewfinder by a diode's viewfinder identical to the one of the 3008 S

PURPOSE : Easier reliability and more preciseness

NEW PARTS :

MP 15638	Printed circuit Pos. Vu
15641	Main switch circuit
PC 15643	Control lever of the microswitch
15634	Column
15885	Viewfinder
15840	L.E.D. Printed circuit
15843	Green L.E.D. RTC 276
15842	LED prism
15841	separating plate
6813	Amplifier switch

MODIFIED CIRCUITS :

Amplifier circuit
Converter circuit
Regulation circuit
Zooming assembly wiring diagram

Modifications to be made to technical documentation :

a) Price list : SAV/70 - Add :

MP 15638	Printed circuit Pos. Vu
PC 15643	Main switch circuit
15634	Column
MP 15646	Converter circuit
MP 15647	Amplifier circuit
MP 15648	Regulation circuit
15644	Control lever of the microswitch

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SAV/100/24/14
Established by
Mr. FOURNIER
26/11/1976

NEW SCHEMES :

MP 15638	Printed circuit Pos. Vu
MP 15646	Converter circuit
MP 15648	Regulation circuit
MP 15647	Amplifier circuit
15599	LED 5008 MS basic circuit
15598	LED 5008 MS wiring diagram
15612	lens basic circuit
15611	lens wiring diagram

ADJUSTMENT :

Adjustment of the current going through the red LED, used as a surmodulation indicator (Vumeter)

Set the amplifier control Auto-Manual slide switch on position Manual

Set the function Manual-Auto-Test rotator switch on position Manual

Set the Posemeter-Vumeter slide switch on position Vu.

Adjust the amplifier output level at 1.5 V (by means of the volume control) then adjust the 2 Kohms adjustable resistor located on the new circuit "Pos. Vu" in such a way that the red LED slightly lights on.

MODIFICATION NOTE : 5008

SUBJECT : Modification of the thickness of the washer in order to eliminate the looseness of the ground glass actuating rod.

PURPOSE : Abandon of painting on prism support.

NEW PART : 6156 : washer

Modifications to be made to technical documentation :

a) Price list : SAV/70 - sheet 19/54
add : 6156 : washer

b) Break-aways : 5008 S
add : 6156 to 6455

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SAV/100/24/15
Established by
M. FOURNIER
26/11/1976

MODIFICATION NOTE 5008

SUBJECT : Modification of the wiring

PURPOSE : To protect the red electroluminescent diode against short circuits

NEW PARTS :

15771	Modulation (LED) printed circuit
MP 15773	Wired Pos. Vu Circuit
MP 15772	Pos. Vu diodes regulation circuit

Modifications to be made to technical documentation :

a) Price list : SAV/70

add :

Sheet 49/54 : 15771 (LED) Modulation printed circuit
MP 15772 : Pos. Vu diodes regulation circuit
MP 15773 : Wired Pos. Vu circuit

NEW SCHEMES :

MP 15772	Pos. Vu diodes regulation circuit
MP 15773	Pos. Vu diodes printed circuit
15774	Posvu diodes basic circuit
15775	Pos. Vu diodes wiring diagram

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94 - CHARENTON-LE-PONT (France) - Tel : 893.18.30

SAV/100/24/16
Established by
Mr. FOURNIER
26/11/1976

MODIFICATION NOTE 5008 MS

SUBJECT : Replacement of the dynamo PC 66 by an alternator (AC generator) 15891 in the speed regulation system of the claw motor.

PURPOSE : To increase reliability

NEW PARTS :

15891	Motor equipped with alternator
MP 15768	Regulation circuit
15762	Support plate of the socket's handgrip
15763	Handgrip's engraved plate
15764	Mike socket electromagnetic protection
15895	Insulator of remote control socket
15896	Insulator of headphone socket

Modifications to be made on technical documentation :

1) Price list : add : all new parts (Type U)

2) New schemes :

15766	Basic circuit
15767	Wiring diagram
MP 15776	Regulation circuit

First number of 5008 MS equipped with the alternator : 454.530

When changing the motor on 5008 MS cameras having a number between 454.530 and 454.730, replace by a resistor 15 Kohms, the resistor 10 Kohms in parallel on the alternator

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SAV/100/24/17
Established by
Mr. FOURNIER
10/01/1977

MODIFICATION NOTE : 5008 MS

SUBJET : Modification of the position of the microswitch added for the LED diodes in the viewfinder.

PURPOSE : To eliminate risks of short-circuits with the regulation circuit.

NEW PARTS :

15626	Microswitch
CBM 2x10	Securing screw

MODIFIED PARTS :

15637	Supporting microswitch
MP 15647	Amplifier circuit

Modifications to be made to technical documentation :

Price list : add : 15626 microswitch (type U)

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SAV/100/24/18
Established by Mr. FOURNIER
10/01/1977

Modification note 5008 MS

Subject : Cancelling of the powering amplifier when sound cartridge is inserted.

Purpose : To eliminate risks of failure.

New part : CBM 2x3 Footage cover securing screw

Cancelled parts :

PC 15311	Amplifier spring lever
6021	Stop lever insulating post
6813	Amplifier switch
3166	Washer (2)
12800	Screw (2)

Modifications to be made to technical documentation :

1) 5008 MS LED Alternator Exploded View :

   Add : CBM 2x3 to 12800

2) New schemes : 15787 : 5008 MS Alternator wiring diagram

NB : This modification is not imperious but can be made when disassembly of the camera allows it. For all models having a number beyond 455400, this modification shall be made in production.

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SAV/100/24/19
Established by A.FOURNIER
April 1977

Modification note 5008 MS

Subject : Modification fo shutter support assy.

Purpose : To standardize shutter supports

New parts :

PC 15782	Shutter support assy
PC 15783	Main plate assy
PC 15785	Amplifier circuit

Modified part :

15198	Column under circuit

Cancelled parts:

PC 15005	Main plate assy
MP 15647	Amplifier circuit

CAUTION :

The shutter support assy PC 15782 is mounted on to the new main plate assy PC 15783 but cannot be mounted on the old main plate assy PC 15005 The old shutter support assy PC 15185 can be mounted onto new main plate assy PC 15783.

Modifications to be made to technical documentation :

1) - Price list :

Add :	PC 15782	Shutter support assy	Type U	
	PC 15783	Main plate assy	Type U	28,86 F
	MP 15785	Amplifier circuit	Type U	115,11 F
Cancel :	PC 15005	Main plate assy		
	MP 15647	Amplifier circuit		

2) - 5008 MS LED Alternator Exploded View :

Add : PC 15782 to PC 15185 Shutter support assy
PC 15783 to PC 15005 Main plate assy

Replace MC 15647 by MP 15785 Amplifier circuit

3) - New Scheme :

MP 15785 Amplifier circuit

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SAV/100/24/20
Established by A.FOURNIER
April 1977

Modification Note 5008 MS

Subject : To convert Reglo-Zoom plates equipping 5008 MS cameras with LED posemeter.

Purpose : To avoid short-circuit when mounting a Reglo-Zoom Plate equipped for a LED camera, on a camera with galvanometer.

At full aperture 1.4, the full aperture contact controlling the red LED enlightening put the upper stud of the Reglo Zoom at earth. This stud is connected on the camera to a positive accumulator voltage which is inshort-circuit (see note of December 30, 1976).

New parts :

MP 15788	Regulation circuit
MP 15789	Pos-VU circuit
8554	Resistor 180 Ohms
MP 15791	Reglomatic circuit
6082	Yellow iris aperture button.

Modifications to be made to technical documentation :

1) - **Price list** :

Add :	MP 15788	Regulation circuit Type V	FF 66,25
	MP 15789	Pos-Vu circuit Type U	FF 29,50
	8554	Resistor CR 25 180 Ohms	FF 0,18
	MP 15791	Reglomatic circuit Type U	FF 28,22
	6082	Yellow iris aperture button TypeU	F 0,52

2) **LED Alternator 5008 MS Exploded View** :

Add :	MP 15788 to MP 15776	Regulation circuit	
	MP 15789 to MP 15773	Pos-Vu circuit	
	8554 to 8553	Resistor CR 25	330 Ohms

3) **New schemes** :

15779	Main printed circuit scheme
15792	Lens wiring diagram
15793	Lens main printed circuit scheme
MP 15788	Regulation circuit scheme
MP 15789	Pos-Vu circuit scheme
MP 15791	Reglomatic circuit scheme

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SAV/100/24/21
Established by A.FOURNIER
April 1977

CAUTION :

This safety device does not allow the lenses' interchangeability of cameras with galvanometer with lenses of LED cameras. Cameras on which this modification has be made are equipped with a Yellow Reglomatic aperture button.

Carefulness is all the more requested with lenses equipped with a black Reglomatic aperture button (see note of December 30, 1976).

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Modification Note 5008 MS

Subject : Cancelling of transistors BD 436 (6240) and BC 327 (8337) mounted in Darlington and replacement by a Darlington transistor BD 262 (8536)

Purpose : To reduce risks of failure - Assembly easier.

New part : 8536 : Transistor Darlington BD 262

Modifications to be made to technical documentation :

1)- Price list :

Add : 8536 : transistor Darlington BD 262 type TU FF 4,50

2) Exploded Views :

On Exploded Views 5008 S, 5008 MS with dynamo galvanometer and 5008 MS with LED Alternator

Replace 6240 by 8536 transistor

Cancel : 8375 Transistor

3) Corresponding schemes :

15779	Printed circuit scheme
15787	Wiring diagram

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SAV/100/24/22
Established by A.FOURNIER
April 1977

Modification Note 5008 MS

Subject : A) To replace screw CBM 2x4 securing amplifier printed circuit located up right by brass screw CBM 2x4 and Adjunction of a soldering lug 9057

B) To replace lug 6973 maintained by a securing screw of the capstan motor by a lug 8460

Purpose : A) Add a lug 5027 to connect the amplifier circuit to the earth.
The soldering lug 9057 secured by this same screw is added to fix the mike's wire.

B) Replacement of lug 6973 by lug 8460, this last one being longer allows to better maintain the wires.

New Parts :

CBM 2x4 brass screw

Modifications to be made to technical documentation :

Price list :

Add :	Brass screw CBM 2x4	FF 0,13

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SAV/100/24/23
Established by A.FOURNIER
April 1977

Modification Note 3008 - 5008

Subject : Adjunction of a flange on capstan motor pulley

Purpose : To avoid that capstan belt gets out of the pulley's groove

New parts :

PC 15183	Equipped capstan motor pulley
15181	Pulley flange

Cancelled part :

15180	Capstan motor pulley

Modifications to be made to technical documentation :

1) **Price list :**

Add :	PC 15183	equipped capstan motor pulley	Type TUV
	15181	Pulley flange	
Cancel :	15180	Capstan motor pulley	

2) **Exploded views :**

On Exploded views 3008, 5008 S and 5008 MS, replace 15180 by 15183 and draw a flange 15181 on each side of the pulley

Procedure :

After having carefully removed the grease from the pulley, stick a flange 15181 on each side of the pulley with Araldite glue.

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SAV/100/24/24
Established by A.FOURNIER
April 1977

MODIFICATION NOTE : 5008 S - 5008 MS - 3008 MS

SUBJECT : Adjonction of a Teflon plate under the filter extractor cam.

PURPOSE : To avoid that filter extractor cam PC 15371 get seized with body after many operations.

NEW PART :

15469 : Teflon plate under the filter extractor cam

NB : This teflon plate is mounted between body and PC 15371

Modifications to be made to technical documentation :

1- Price list :

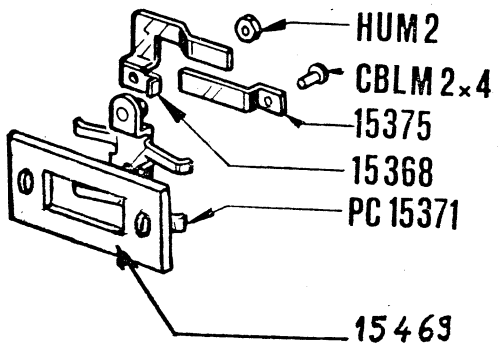
Add : 15469 : Teflon plate under filter extractor cam Type TUV

2- Exploded views :

5008 S (SAV/90/24/1) 5008 MS (SAV/90/24/2 and SAV/90/24/3)
3008 MS (SAV/90/25) :

Draw on each exploded view the plate 15469 as described here below.

Modification made as from camera n° 457.418



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SAV/100/24/28

Established by M.FOURNIER

June 1977

N O T E

1- Modification of wires' colour of dynamo

Red+ and black- colours are replaced by white+ and blue-, but type of dynamo is strictly the same.

2- 3008 and 5008 exploded views have now following reference numbers :

- 3008 MS	SAV 90/25	
- 5008 S	SAV/90/24/1	
- 5008 MS	SAV/90/24/2	Dynamo galvanometer
- 5008 MS	SAV/90/24/3	Alternator diodes

3- On modification note SAV 100/24/19 :

-6813	Amplifier switch
-3166	washer
-12800	screw

have not been cancelled on price list and are still valid

4- Correct on 5008 MS alternator diode exploded view :

- body is not 15959 but 15570
- accumulator is not MG 15870 but MG 15447

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Established by M.FOURNIER
JUNE 1977

MODIFICATION NOTE 5008

SUBJECT : Modification of the wiring of the remote control jack, of the single frame device's and of the remote control cable's.

PURPOSE : To avoid speeds' variations due to bad quality of the jack's contact blades.

NEW PARTS :

1- Camera :

MP 15950	Regulation circuit
15954	Handgrip plate
8183	Jack

2- Single frame device :

10354	Jack

3- Remote control wire :

10354	Jack

Modifications to be made to technical documentation :

1- Price list :

			Price	Type
Add :	MP 15950	Regulation circuit	66.25 F	U
	15954	Handgrip plate	3.14 F	U

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SAV/100/24/27
Established by M.FOURNIER
July 13, 1977

2- 5008 MS Alternator diode exploded views, SAV/90/24/3

Replace :

MP 15788 by 15950 - modif. note SAV/100/24/27
15762 by 15954

3- New schemes .

15956	Basic circuit
15955	wiring diagram
MP 15950	Regulation circuit

Operations to be made :

a) Modification of the camera :

- cut wire 28 to 15mm of the speed regulation printed circuit
- strip it
- tin it
- solder it on the component near the point where wire 27 is soldered
- replace handgrip plate 15762 by the plate 15954
- replace the remote control jack 15441 by the jack 6183
- solder wire 27 on the contact of the spring blade
- Connect main contact with a black wire, to the battery socket (wire 104 on scheme 15955). Refer to "IMPORTANT NOTE" herewith.

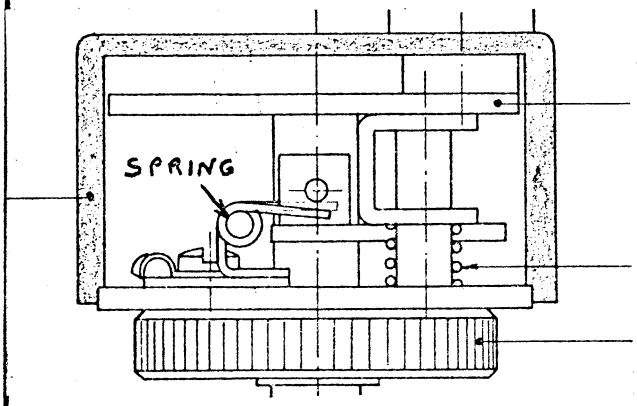
b) Modification of the remote control wire :

- replace jack 3616 by jack 10354

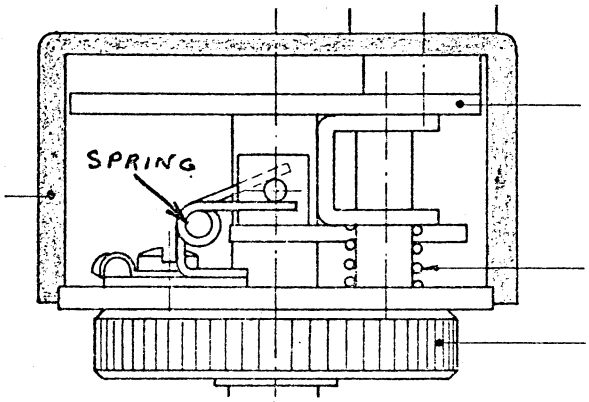
c) Modification of the single frame device :

Modify springs so that the closing contact blade becomes an opening contact blade (see drawing here below).

Before modification



After modification



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- replace jack 3616 by jack 10354
- remove the red tape from the cable

This modification is not imperious but it is advised to make it on all cameras showing or having shown speeds problems as well as on all cameras requiring the handgrip dismantling.

This modification is automatically made as from camera n° 457.146

CAUTION :

- It is imperious to have the accessories :

  - remote control wire
  - single frame device

modified to be used with modified cameras.

- The customer having no single frame device or remote control must be informed by the dealer that he has imperatively to use with a modified camera :

  - the single frame device reference 52610
  - the remote control wire reference 53653 (R 16)

MODIFICATION NOTE 5008 MS

SUBJECT : Modification of Zooming microswitches

PURPOSE : To eliminate risks of failure

NEW PARTS :

6279	Microswitch support
6278	Zooming circuit
8301	Microrupteur
8537	Transistor BD 136
6280	Zoom button return-spring
6281	Zoom button

Modifications to be made to technical documentation :

1- Price list :

Add :

		Price F.F.	Type
6279	Microswitch support	3.75	PU
6278	Zooming circuit	1.85	PU
8537	Transistor BD 136	4.50	PU
6280	Zoom button return-spring		PU
6281	Zoom button	0.36	PU

2- New schemes :

15794	Wiring diagram
PC 6277	Zooming circuit

3- Scheme to be modified :

15793	5008 Zooming basic circuit, transistor BD 136 to be added to AC 180 K 7.

Modification made as from camera n° 457.409

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SAV/100/24/25
Established by M.FOURNIER
JULY 15, 1977

MODIFICATION NOTE 5008 MS - 5008 S

SUBJECT : Reduction of thickness of springs 15403 and 15404

PURPOSE : To limit exerted pressure on engraved plates 15571 and 15409

Modified parts :

15403	spring
15404	spring

NB : It is advisable to replace old springs by the new ones.

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SAV/100/24/26

Established by M.FOURNIER

JULY 15, 1977

MODIFICATION NOTE : 5008 MS

THIS MODIFICATION NOTE CANCELS THE ONE SAV/100/24/22

SUBJECT : Cancelling of transistors BD 436 (6240) and BC 327 (8377) mounted in Darlington, and replacement by a Darlington transistor on cameras equipped with an alternator.

PURPOSE : To reduce risks of failure.

NEW PART :8536 : transistor Darlington BD 262 (replacing 6240 and 8377)

This modification can be made only on cameras equipped with an alternator

Modification to be made to technical documentation :

1- Price list

	Price	Type
Add 8536 : transistor Darlington	4,55 FF	U

2- Exploded views :

On Exploded view 5008 MS Alternator SAV/90/24/3 :

Replace : 6240 by 8536 transistor

Cancel : 8377 transistor

3- Corresponding diagrams :

15779 basic circuit diagram

15787 wiring diagram

This modification is applied as from camera n° 456 785

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SAV/100/24/22 BIS

Established by M.FOURNIER

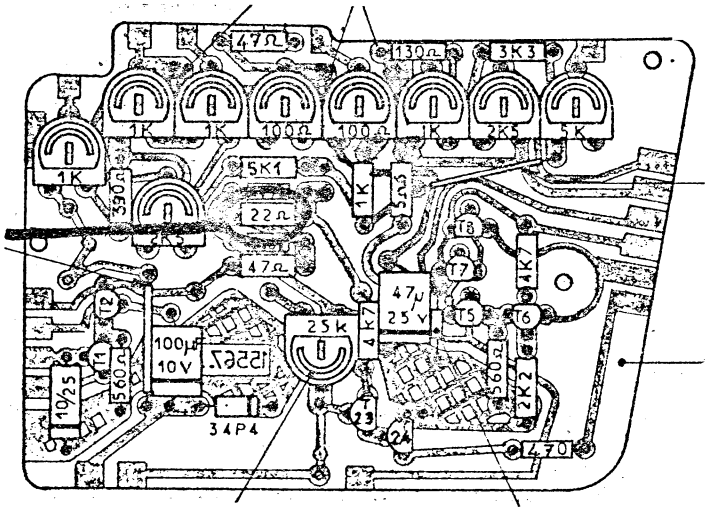
SEPT. 1977

IMPORTANT NOTE

If on cameras 5008 MS equipped with a dynamo the resistor is of 22 Ohms on the regulation circuit as indicated on drawing here below, it is necessary to replace it by the resistor 47 Ohms.

After having replaced this resistor, speed adjustment has to be made.

Replace by 47 Ohms



On basic circuit diagrams 15586 - 15599 and 15774, correct resistors of 68 Ohms to terminals of supply Zener diodes.

Values of the resistors are :

47 Ohms on diode 5,6 V

22 Ohms on diode 4,7 V

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SAV/100/24/27

MODIFICATION NOTE : 5008 MS

SUBJECT : Replacement of eyepieces 6925 and 15597 by eyepiece 15780

PURPOSE : Eyepiece better adapted to needs

Modifications to be made to technical documentation

- On exploded view 5008 MS Alternator diodes SAV/90/24/3 :

  Replace : 15597 by 15780

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SAV/100/24/29
Established by M.FOURNIER
Sept. 1977

SUBJECT : Replacing of footage counter and cartridge door windows by clip windows.

PURPOSE : To avoid risk of fall of windows.

NEW PARTS:

15487	Cartridge door window ; replace and cancel PC 15385
15486	Footage counter window ; replace and cancel PC 15365
15488	Cartridge door window seal gasket ; replace and cancel 15384.
15489	Cartridge door skinplate, replace and cancel 15389.
15383	Cartridge cover ; replace and cancel PC 15876
PC 15361	Housing ; replace and cancel PC 15856.
15975	Cartridge door ; replace and cancel PC 15382
PC 15976	Housing ; replace and cancel PC 15360

OPERATIONS TO BE MADE :

To mount a new cartridge door window on a caméra, it is necessary to replace :

- The cartridge door window seal gasket 15384 by the gasket 15488 by taking care of sticking this gasket 15488 by means of a very quick glue.
- The cartridge door skinplate 15389 by the skinplate 15489.
- To mount a new counter window 15486 place the shorter "leg " on the footage counter shaft side.

Modifications to be made to technical documentation :

1 - PRICE LIST :

Add :

			Price	Type
15487	Cartridge door window	FF	0.40	TUV
15486	Footage counter window		0.39	TUV
15488	Cartridge door window gasket		0.22	TUV
15489	Cartridge door skinplate		0.40	TUV
15383	Cartridge cover		14.68	UV
PC 15361	Housing		53.86	UV
15975	Cartridge door		14.68	T
PC 15976	Housing		53.86	T

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SAV/100/24/30
Drawn up by M. FOURNIER
October 4 , 1977

CANCEL ON PRICE LIST :

PC 15385	Cartridge door window
PC 15365	Footage counter window
15384	Cartridge door window seal gasket
15389	Cartridge door skinplate
PC 15382	Cartridge cover
PC 15360	Housing
PC 15876	Cartridge door
PC 15856	Housing

2- EXPLODED VIEWS 5008 MS AND 3008 MS :

-SAV 90/24/2 AND 3
-SAV 90/25

Draw a footage counter window 15486

Replace :

-cartridge door window PC 15385 by 15487
-cartridge door window gasket 15384 by 15488
- cartridge door skinplate 15389 by 15489
-cartridge door PC 15876 by 15383
- housing PC 15856 by PC 15361

EXPLODED VIEW 5008 S

Draw a footage counter window 15486.
Number cartridge door window : 15487

Replace :

-cartridge door window gasket 15384 by 15488
-cartridge door skinplate 15389 by 15489
-cartridge cover PC 15382 by 15975
-housing PC 15360 by PC 15976

CAUTION :

In future ,housings and cartridge covers will be delivered without windows.

Modification applied as of camera n° 458.471

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OBJECT : Modification of the assembly of the powerpack.

PURPOSE : Accumulators are wrapped in a plastic casing and a block is added to maintain the accumulator in position.

NEW PARTS :

MG 15668	accumulators 5008
15670	accumulators 6 x VB 50
15667	block

OPERATIONS PROCEDURE :

1- Add on accessories price list : MG 15668

2- Add on spare parts accessories price list :

15670	accumulators	FF 65.30
15667	block	FF 0.39

3- Add : scheme of the accumulator MG 15668 to your documentation

Encl. : scheme MG 15668

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SAV/100/40/3
Established by A.FOURNIER
December 5, 1978

OBJECT : Modification of position of the conversion filter "day light/artificial light".

PURPOSE : The filter is no more incorporated into the camera body but in the lens 6-70.

NEW PARTS :

	15130	insulating plate
	15131	astralit plate
PC	15190	shutter support assy
	15344	ASA engraved plate
PC	15132	camera housing

MODIFICATIONS TO BE EFFECTED TO TECHNICAL DOCUMENTATION

1- Change adjusting values of the posemeter as indicated here below.

SPEED	ASA	LUX
18 fps	160	194
	40	776
24 fps	160	244
	40	975

Adjustment has to be done when filter is retracted. As the filter is on the way of the light beams going to the photocells, it is not necessary to make a correction between day light and "tungsten light"

2- WHEN CHECKING THE MECHANICAL EXTENSION OF THE CAMERA BODY IT MUST BE OF 17.52mm.
As the filter is no more incorporated in the camera body, the mechanical extension and the optical extension are equivalent.

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SAV/100/24/38
Established by A.FOURNIER
DECEMBER 5, 1978

3- Add on exploded view, parts references indicated here below

4- Add on price list

			Price
U	15130	insulating plate	
U	15131	astralit plate	
U	PC 15132	camera body (lens filter)	
U	PC 15190	shutter support assy (without filter 17.52)	
U	15344	ASA engraved plate	

Modification applied as from camera n° 459.210.

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OBJECT :

1- Modification of the posemeter-vumeter circuit and of the reflexmatic circuit.

2- Adding of a capacitor 1 uF on the Power Zoom circuit.

PURPOSE :

1- To have the voltage comparator and the reflexmatic circuit symetrical in order to avoid that the red LED diode lights up when the lightmeter goes from the automatic position to the manual position.

2- To avoid, when camera running, that the zoom ring jerks.

NEW PARTS :

1- a) For relexmatic circuit — replace part n°

8363	resistor CR 16 180 Kohms	
8503	capacitor tantale 1uF 35V	
MP 15798	mounted reflexmatic circuit	MP 15 791

b) For POS-VU P.C.B.

8490	transistor BC 548 C	
8710	resistor CR 25 330 Kohms	
8435	resistor CR 25 3,6 Kohms	
MP 15983	POS-VU P.C.B.	MP 15 789
15799	reflexmatic basic circuit scheme	
15982	PS-VU P.C.B. basic circuit	

2-

6317	Zooming printed circuit	6278 A
8503	capacitor tantale 1 uF 35 V	
15799	reflexmatic basic circuit	

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Telex : 230 577

SAV/100/24/37
Established by A.FOURNIER
December 5, 1978

OPERATIONS PROCEDURE

1- When a camera comes back to the service department for this problem :

a) on the reflexmatic circuit :

- replace resistor 470 Kohms by resistor 330 Kohms
- replace capacitor 0.47 uF by the one 1 uF

b) on the camera :

- replace resistor 150 Kohms by the one 330 Kohms (base T 21)
- replace resistor 8,2 Kohms by the one 6,8 Kohms (collector T21)
- replace resistor 3,9 Kohms by the one 6,8 Kohms (emitter T 21 - T 22)

2- If the Zooming does not turn smoothly, add capacitor 1 uF 35 Volts

Modifications to be effected on technical documentation :

1- Add on schemes :

MP 15798
MP 15982
MP 15983

Add on price list :

		Price
8363	resistor CR 16 180 Kohms	0.34
MP 15798	mounted reflexmatic circuit	22.62
MP 15983	POS-VU P.C.B.	30.63
8490	transistor BC 548C	0.50

2- Add on scheme :
MP 15799

Add on price list :

6317	zooming printed circuit	1.98

Modification n° 1 applied as from camera n° 459.530

Modification n° 2 applied as from camera n° 459.530

CAMERAS BEAULIEU - MAISON BRANDT FRERES
16, rue de la Cerisaie
94220 - CHARENTON-LE-PONT (France)
Tel : 375 97 55
Telex : 230 577

OBJECT : Modification of the position of the shutter's magnets

PURPOSE : To improve picture's stability in the viewfinder

NEW PARTS :

PC 15957	shutter support assy
PC 15960	driving shutter
CBM 2x5	securing screw of shutter assy

The new PC 15960 cannot be used on the shutter support assy PC 15 796, PC 15 782 and PC 15 185

Modifications to be effected :

Add on price list		Price
PC 15 960	driving shutter	3.38

modification applied as from camera n° 458 486

CAMERAS BEAULIEU - MAISON BRANDT FRERES
16, rue de la Cerisaie
94220 - CHARENTON-LE-PONT (France)
Tel : 375 97 55
Telex : 230 577

SAV/100/24/35 (5008)
SAV/100/25/11 (3008)
Established by A.FOURNIER
DECEMBER 5, 1978

OBJECT : Modification of lateral springs

PURPOSE : To improve film's stability during projection

(this modification can be effected on all sound Super 8 cameras)

NEW PARTS :

PC/ 15 796	shutter support assy
6287	film gate
6288	lateral spring
6289	upper spring
6290	lower spring

MODIFICATIONS PROCEDURE :

1- Add on price list

			Price
TUV	PC 15796	shutter support assy	33.89
TUV	6287	film gate	13.95
TUV	6288	lateral spring	2.37
TUV	6289	upper spring	1.15
TUV	6290	lower spring	1.15

2- Add those parts on 5008 Exploded views

SAV/90/24/1
SAV/90/24/2
SAV/90/24/3

on exploded view : 3008

Modification applied on cameras as per seriewise number 458.486

CAMERAS BEAULIEU - MAISON BRANDT FRERES
16, rue de la Cerisaie
94220 - CHARENTON-LE-PONT (France)
Tel : 375 97 55
Telex : 230 577

SAV/100/24/34 (5008)
SAV/100/25/10 (3008)
Established by A.FOURNIER
DECEMBER 5, 1978

OBJECT : 1- Change of material for skinplates
2- Change of Beaulieu graphism

PURPOSE : To facilitate disassembly

Following parts are not cancelled but will be delivered until stock get exhausted.

1-	15489	cartridge door skinplate
	15572	center sleeved skinplate
	15574	skinplate
2-	15571	engraved plate
	15582	handgrip engraved plate
	15615	reflexmatic engraved plate
	15763	handgrip engraved plate
	15573	fonction switch engraved plate

NEW PARTS			REPLACE PART N°
1-	15962	cartridge door skinplate	15489
	15963	center sleeved skinplate	15572
	15966	reinforcement of the cartridge door's skinplate	
	15967	strenghtening of the cover's skinplate	
	15968	strenghtening of the adjusting hole of the cell's shutter	
2-	15899	engraved plate	15571
	15964	handgrip engraved plate	15582
	15965	reflexmatic engraved plate	15615
	15969	handgrip engraved plate	15763
	15977	fonction switch engraved plate	15573

CAMERAS BEAULIEU - MAISON BRANDT FRERES
16, rue de la Cerisaie
94220 - CHARENTON-LE-PONT (France)
Tel : 375 97 55
Telex : 230 577

SAV/100/24/33
Established by A. FOURNIER
DECMEBER 5, 1978

MODIFICATIONS TO BE EFFECTED TO TECHNICAL DOCUMENTATION :

a) Add on price list

			Price
TU	15962	cartridge door's skinplate	0.48
TU	15963	center sleeved skinplate	0.56
TU	15964	handgrip engraved plate	0.87
TU	15965	reflexmatic engraved plate	0.75
TU	15966	reinforcement of the cartridge door's skinplate	0.18
TU	15967	reinforcement of the cover's skinplate	0.15
TU	15968	reinforcement of the adjusting hole of the cell's shutter	0.15
TU	15969	handgrip engraved plate	1.03
TU	15977	fonction switch engraved plate	0.80
TU	15899	engraved plate	1.15

b) Add on exploded views above mentioned parts.

Modification n° 1 applied as from camera n° 459.210

Modification n° 2 applied as from camera n° 459.210

CAMERAS BEAULIEU - MAISON BRANDT FRERES
16, rue de la Cerisaie
94220 - CHARENTON-LE-PONT (France)
Tel : 375 97 55
Telex : 230 577

NOTE CONCERNING ACCUMULATORS USED ON BEAULIEU CAMERAS

Accumulators used on the Beaulieu cameras are of the type gas-proof. Proofness is secured by means of a plastic ring.

However, it might happen that slight gas emanations can take the shape of crystal traces, but this has no consequential effects on the good functioning of the accumulators.

In the case of accumulators used on the 2008 A cameras, grease must not be used as it might damage the plastic ring.

CAMERAS BEAULIEU - MAISON BRANDT FRERES
16, rue de la Cerisaie
94220 - CHARENTON-LE-PONT (France)
Tel : 375 97 55
Telex : 230 577

Established by
M. A. FOURNIER
on December 13, 1978

OBJECT : Cancelling of a part

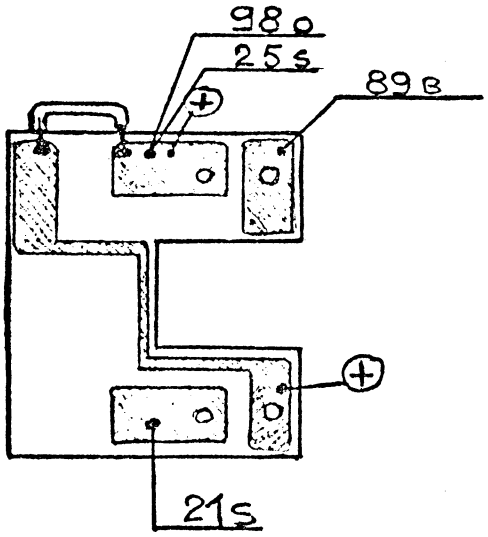
PURPOSE : To reduce number of parts in stock

CANCELLED PART :

15840 modulation circuit (LED's viewfinder)

This part is replaced by the one 15771

NB : Take care to wire LED diodes as per scheme here below



Wiring diagram 15598

CAMERAS BEAULIEU - MAISON BRANDT FRERES
16, rue de la Cerisaie
94220 - CHARENTON-LE-PONT (France)
Tel : 375 97 55
Telex : 230 577

SAV/100/24/39
Established by A.FOURNIER
April 12, 1979

5008S SCHEMES (Filing order)

N°	T	DESIGNATIONS	MODIFICATIONS	N° Camera	Ref. Modif. S.A.V.
15480	A3	Basic circuit	Original		
15481	A3	Wiring diagram	"		
15498	A3	Basic circuit	Moririca 6865 Cells	441.300	
15497	A3	Wiring diagram	" " "		
15539	A3	Basic circuit	Claw & Capstan Adjust. + anti-clack		100/24/1
15546	A3	Basic circuit	Start's noise suppress.	448.540	100/24/1
15545	A3	Wiring diagram	" " "	"	"
15547	A3	Wiring diagram	Anti-clack incorporation	453.150	100/24/6
		Wires list			
MP15327	A4	Converter circuit	Original		
PC15245	A4	Sensibility pot	"		
PC15496 B	A4	" "	Modif. pot wiring	451.714	
MP15493	A4	Converter circuit	Moririca 6865 Cells	441.300	
PC15496	A4	Sensibility pot	" " "	"	
PC15496 A	A4	" "	Modif. Resistor value	441.973	
MP15331	A4	Amplifier circuit	Original		
MP15543	A4	" "	Start's noise suppress.	448.540	100/24/1
MP15548	A4	" "	Anti-clack incorporation	453.150	100/24/6
MP15340	A4	Regulation circuit	Original		
MP15538	A4	" "	Claw & captsan Adjust.		100/24/6
MP15544	A4	Anti-clack circuit			
		<u>REGLOMATICS</u>			
15627	A4	5008S basic circuit			
15628	A4	5008S wiring diagram			
15632	A4	5008S basic circuit	Modif. microswitches		
15633	A4	5008S wiring diagram	" "		
MP15609	A4	5008S Reglo circuit diagram			

13/1/1977

5008 MS SCHEMES

(Filing order)

N°	T	DESIGNATIONS	MODIFICATIONS	N° Camera	REF.MODIF. S.A.V.
15586	A3	Basic circuit	Original		
15585	A3	Wiring diagram	"		
15585A	A3	Wiring diagram	Modif. regulation+ adding 4,3 Khoms		
15592	A3	Wiring diagram	Anti-clack incorporation	453.150	100/24/6
		5008 MS wires			
15599	A3	Diodes basic circuit	Diodes posemeter	454.930	100/24/14
15598	A3	Diodes wiring diagram	" "		
15774	A3	Diodes basic circuit	Modif. wiring 330 Ohms	454.126	100/24/16
15775	A3	Diodes wiring diagram	" " " "		
		5008MS Diodes wires			
15766	A3	Altern. basic circuit	Modif. Alternator	454.530	100/24/17
15767	A3	Alter. wiring diagram	" "		
		5008 MS Altern. wires			
MP 15566	A4	Regulation circuit	Original		
MP 15648	A4	" "	Diodes posemeter	453.930	100/24/14
MP 15772	A4	" "	Mod. wiring 330 Ohms	451.126	100/24/16
MP 15776	A4	" "	Modif. Alternator	454.530	100/24/17
MP 15583	A4	Amplifier circuit	Original		
MP 15591	A4	" "	Anti-clack incorporation	453.150	100/24/6
MP 15647	A4	" "	Diodes posemeter	453.930	100/24/14
MP 15327	A4	Converter circuit	Original(see 5008 S)		
MP 15646	A4	" "	Diodes posemeter	453.930	100/24/14
MP 15638	A4	LED Posemeter circuit	Original (diode viewfinder)		
MP 15773	A4	" " "	Modif. wiring 330 Ohms	454.126	100/24/16
		REGLOMATICS			
15627	A4	5008S basic circuit			
15628	A4	5008S wiring diagram			
15632	A4	5008S basic circuit	Modif. microswitches		
15633	A4	5008S wiring diagram	" "		
15612	A4	Basic circuit	Modif. Diodes		
15611	A4	Wiring diagram	" "		
MP 15609	A4	5008S Circuit Reglo diagram			

13/1/1977

This list cancels the other one.

N°	T	Designations	Modifications	N° caméra	Ref.Modif. S.A.V
		REGLOMATICS			
15627	A4	5008 S basic circuit			
15628	A4	" wiring diagram			
15632	A4	" basic circuit	Modif. microswitches		
15633	A4	" wiring diagram	" "		
15612	A4	Basic circuit	Diodes posemeter	453.930	100/24/14
15611	A4	Wiring diagram	" "		
15793	A4	5008 MS basic circuit	Modif. lens security	456.352	100/24/21
15792	A4	" wiring diagram	" " "		
15794	A4	" wiring diagram	Modif. microswitches	457.409	100/24/25
MP 15609	A4	5008 S Circuit réglo	Diodes posemeter	453.930	100/24/14
MP 15791	A4	5008 MS Circuit réglo	Modif. lens security	456.352	100/24/21
PC 6277	A4	Zooming circuit	Modif. microswitches	457.409	100/24/25

20/6/77

It's advisedto transfer on each schemes of this list the number of the first movie camera and the reference of the modification.

This list cancels the other one.

N°	T	Designations	Modifications	N° caméra	Ref.Modif. S.A.V.
15480	A3	Basic circuit	Original	440.574	
15481	A3	Wiring diagram	"	"	
15498	A3	Basic circuit	Moririca 6865 Cells	441.300	
15539	A3	Basic circuit	Claw & Capstan Adjust. + anti-clack.	441.180	
15497	A3	Wiring diagram	Moririca 6865 Cells	441.300	
15546	A3	Basic circuit	Start's noise suppress.	448.540	100/24/1
15545	A3	Wiring diagram	" " "	"	"
15547	A3	Wiring diagram	Anti-clack incorporation	453.150	100/24/6
		Wires list			
MP 15327	A4	Converter circuit	Original	440.574	
PC 15245	A4	Sensibility pot	"	"	
C 15496B	A4	" "	Modif. pot wirings	451.714	
MP 15493	A4	Converter circuit	Moririca 6865 Cells	441.300	
PC 15496	A4	Sensibility pot	" " "	"	
PC 15496A	A4	" "	Modif.Resistor value	441.973	
MP 15331	A4	Amplifier circuit	Original	440.574	
MP 15543	A4	" "	Start's noise suppress.	448.540	100/24/1
MP 15548	A4	" "	Anti-clack incorporat.	453.150	100/24/6
MP 15340	A4	Regulation circuit	Original	440.574	
MP 15538	A4	" "	Claw & capstan Adjust.	444.180	
MP 15544	A4	Anti-clack circuit			
		REGLOMATICS			
15627	A4	5008 S basic circuit			
15628	A4	5008 S wiring diagram			
15632	A4	5008 S basic circuit	Modif. microswitches		
15633	A4	5008 S wiring diagram	" "		
MP 15609	A4	5008 S Reglo circuit diagram			

20/6/77

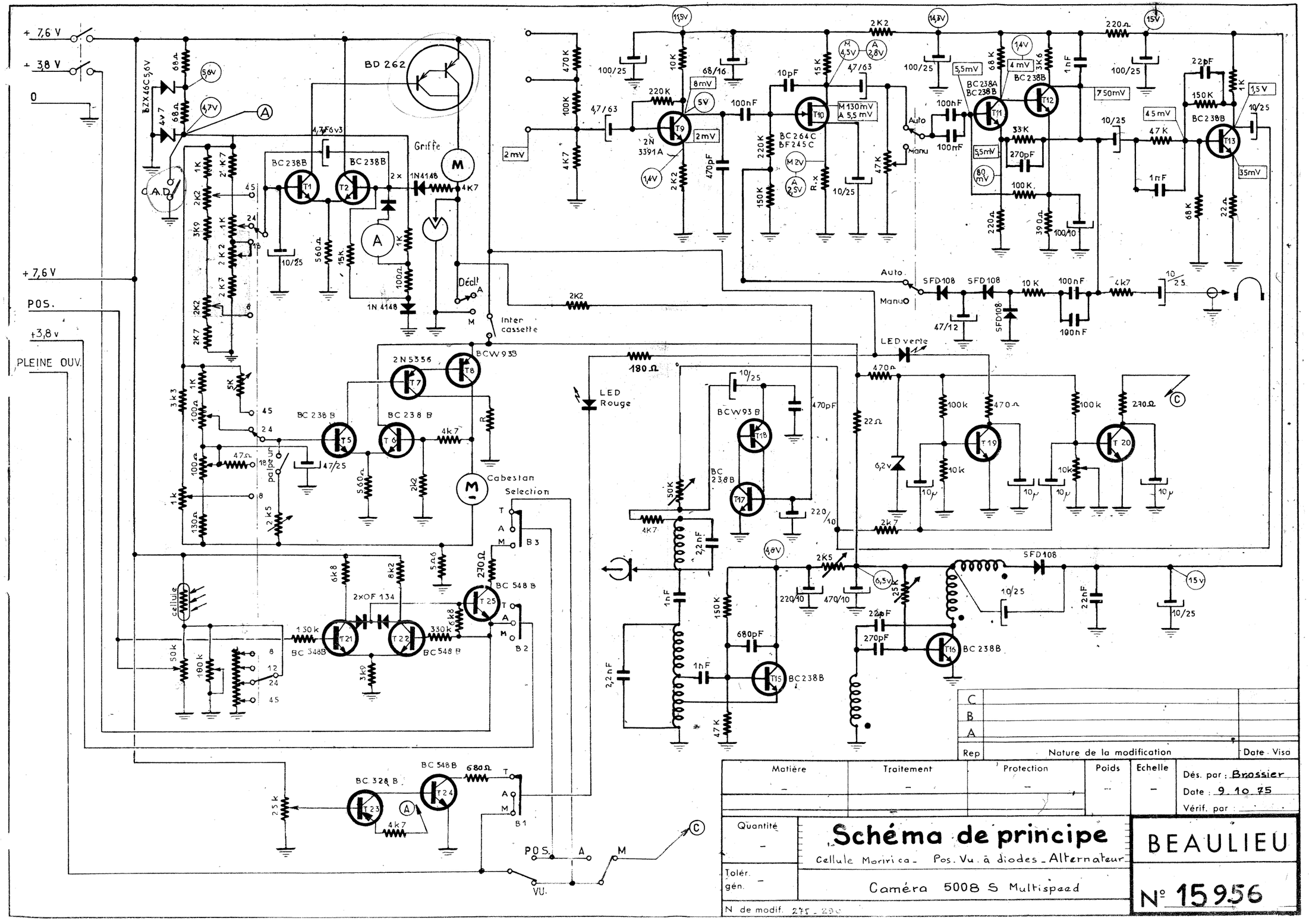
It's advisedto transfer on each schemes of this list the number of the first movie camera and the reference of the modification.

This list cancels the other one.

°	T	Designations	Modifications	N° caméra	Réf. Modif. S.A.V
15586	A3	Basic circuit	Original	451.175	
15585	A3	Wiring diagram	"	"	
15585 A	A3	Wiring diagram	Modif.régulation + adding 4,3 Kohms		
15592	A3	Wiring diagram	Anti-clack incorpor.	453.150	100/24/6
		5008 MS wires			
15599	A3	Diodes basic circuit	Diodes posemeter	453.930	100/24/14
15598	A3	Diodes wiring diagram	" "		
15774	A3	Diodes basic circuit	Modif.wiring 330 Ohms	454.126	100/24/16
15775	A3	Diodes wiring diagram	" " "	"	
		5008 MS Diodes wires			
15766	A3	Altern. basic circuit	Modif. Alternator	454.530	100/24/17
15767	A3	Altern. wiring diagram	" "	"	
15779	A3	Altern. basic circuit	" lens security	456.352	100/24/21
15787	A3	Altern. wiring diagram	" Suppres.sound.switch	455.400	100/24/19
15956	A3	Altern. basic circuit	" remote control	457.146	100/24/27
15955	A3	Altern. wiring diagram	" " "	457.146	100/24/27
		5008 MS Altern. wires			
MP 15566	A4	Regulation circuit	Original	451.175	
MP 15648	A4	" "	Diodes posemeter	453.930	100/24/14
MP 15772	A4	" "	Modif. wiring 330 Ohms	454.126	100/24/16
MP 15776	A4	" "	Modif. Alternator	454.530	100/24/17
MP 15788	A4	" "	" lens security	456.352	100/24/21
MP 15950	A4	" "	" remote control	457.146	100/24/27
MP 15583	A4	Amplifier circuit	Original	451.175	
MP 15591	A4	" "	Anti-clack incorporation	453.150	100/24/6
MP 15647	A4	" "	Diodes posemeter	453.930	100/24/14
MP 15785	A4	" "	Modif. shutter support	456.734	100/24/20
MP 15327	A4	Converter circuit	Original (see 5008 S)	451.175	
MP 15646	A4	" "	Diodes posemeter	453.930	100/24/14
MP 15638	A4	LED Posemeter circuit	Original (diodes viewfinder)	453.930	100/24/14
MP 15773	A4	" " "	Modif.wiring 330 Ohms	454.126	100/24/16
MP 15789	A4	" " "	Modif. lens security	456.352	100/24/21

20/6/77

It's advise to transfer on each schemes of this list the number of the first movie camera and the reference of the modification.


+ 7,6 V
+ 3,8 V
0
+ 7,6 V
POS.
+3,8 v
PLEINE OUV.
BZX46C5,6V
BD 262
Griffe
BC 238B
BC 238 B
2N 3391 A
BC 264C
BF 245C
BC 238A
BC 238B
Auto
Manu
SFD108
LED verte
LED Rouge
Inter cassette
Décl!
2N 5356
BCW 93B
BCW 93 B
BC 238 B
Cabestan
Selection
cellule
BC 548 B
2xOF 134
BC 328 B
VU.
POS.
A
M
Rep
Nature de la modification
Date
Visa
Matière
Traitement
Protection
Poids
Echelle
Dés. par : Brossier
Date : 9 10 75
Vérif. par
Quantité
Tolér. gén.
Schéma de principe
Cellule Moririca - Pos. Vu. à diodes - Alternateur
Caméra 5008 S Multispeed
N de modif. 275 - 290
BEAULIEU
N° 15956

Nomenclature fils caméra 5008 S

Nº	RÉF.	COULEUR	COLOR	
1	EPDF	Jaune	Yellow	
2	EPDF	Jaune	Yellow	
3	227 T	Noir	Black	
4	EPDF	Noir	Black	
5	EPDF	Noir	Black	
6	227 T	Rouge	Red	
7	EPDF	Rouge	Red	
8	EPDF	Rouge	Red	
9		Cellule	Cell	
10		Cellule	Cell	
11	EPDF	Rouge noir	Red Black	
12	EPDF	Jaune	Yellow	
13	227 T	Noir	Black	
14	EPDF	Noir	Black	
15	EPDF	Noir	Black	
16	227 T	Rouge	Red	
17	EPDF	Rouge	Red	
18	EPDF	Rouge	Red	
19	EPDF	Rouge blanc	Red White	Annulé modif. nº 251
20	EPDF	Rouge blanc	Red White	
21	EPDF	Noir Vert	Black Green	
22	EPDF	Noir	Black	
23	EPDF	Noir	Black	Annulé modif. nº 251
24	EPDF	Noir vert	Black Green	Annulé modif. nº 251
25	EPDF	Rouge Blanc	Red White	
26	EPDF	Rouge	Red	
27	SM 485	Orange	Orange	
28	SM 485	Bleu	Blue	
29	PU 102			
30	SM 245	Noir	Black	
31	EPDF	Marron	Brown	
32	EPDF	Bleu Blanc	Blue White	
33	SM 485	Vert	Green	
34	SM 485	Jaune	Yellow	
35	SM 485	Orange	Orange	
36	SM 485	Rouge	Red	
37	PU 102			
38	PU 102			
39	EPDF	Vert Blanc	Green White	
40	SM 245	Vert	Green	
41	EPDF	Noir	Black	Annulé modif. nº 251
42	EPDF	Noir	Black	
43	EPDF	Rouge	Red	
44	EPDF	Noir	Black	
45	227 T	Rouge	Red	
46	EPDF	Rouge	Red	
47	EPDF	Rouge Blanc	Red White	
48	PU 102			
49	EPDF	Orange	Orange	
50	EPDF	Marron	Brown	
51	EPDF	Jaune	Yellow	
52	EPDF	Vert	Green	Annulé modif. nº 251
53	EPDF	Jaune	Yellow	
54	SM 485	Jaune	Yellow	
55	SM 485	Bleu	Blue	
56	SM 485	Rouge	Red	
57	SM 485	Bleu	Blue	
58	SM 485	Bleu	Blue	
59	SM 485	Bleu	Blue	
60	SM 485	Bleu	Blue	
61	SM 485	Bleu	Blue	
62	SM 485	Bleu	Blue	
63	EPDF	Vert Blanc	Green White	
64	EPDF	Vert Blanc	Green White	
65	227 T	Jaune	Yellow	
66	EPDF	Vert	Green	Annulé modif. nº 251
67	EPDF	Noir	Black	
68	EPDF	Bleu	Blue	
69	EPDF	Bleu Blanc	Blue White	
70	EPDF	Noir Vert	Black Green	
71	EPDF	Noir	Bkack	
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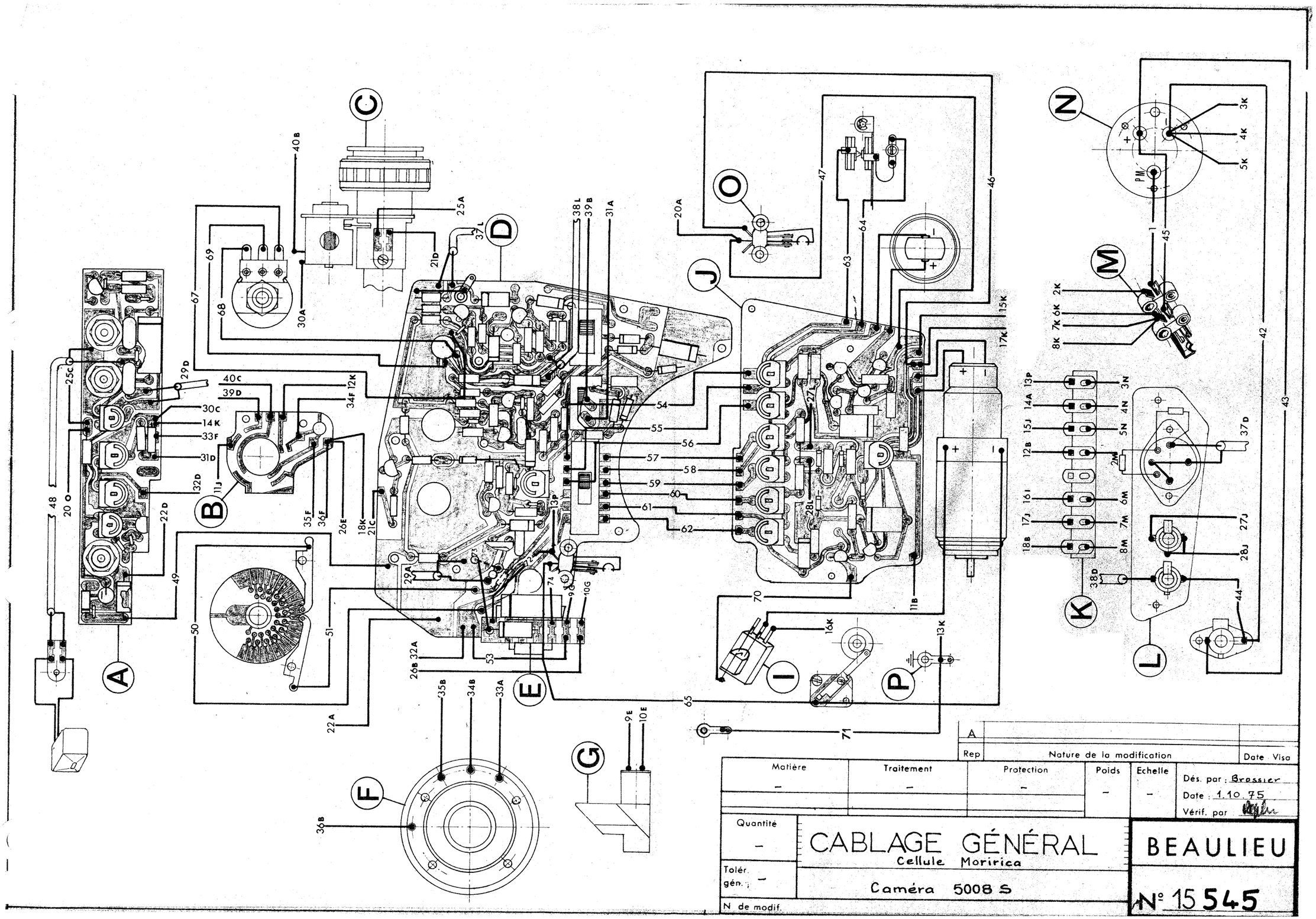
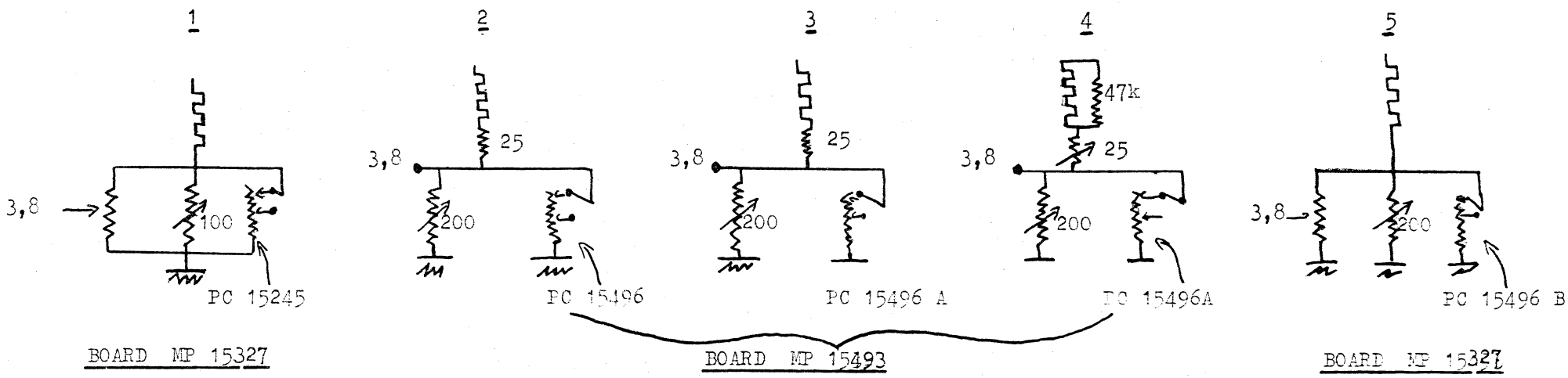
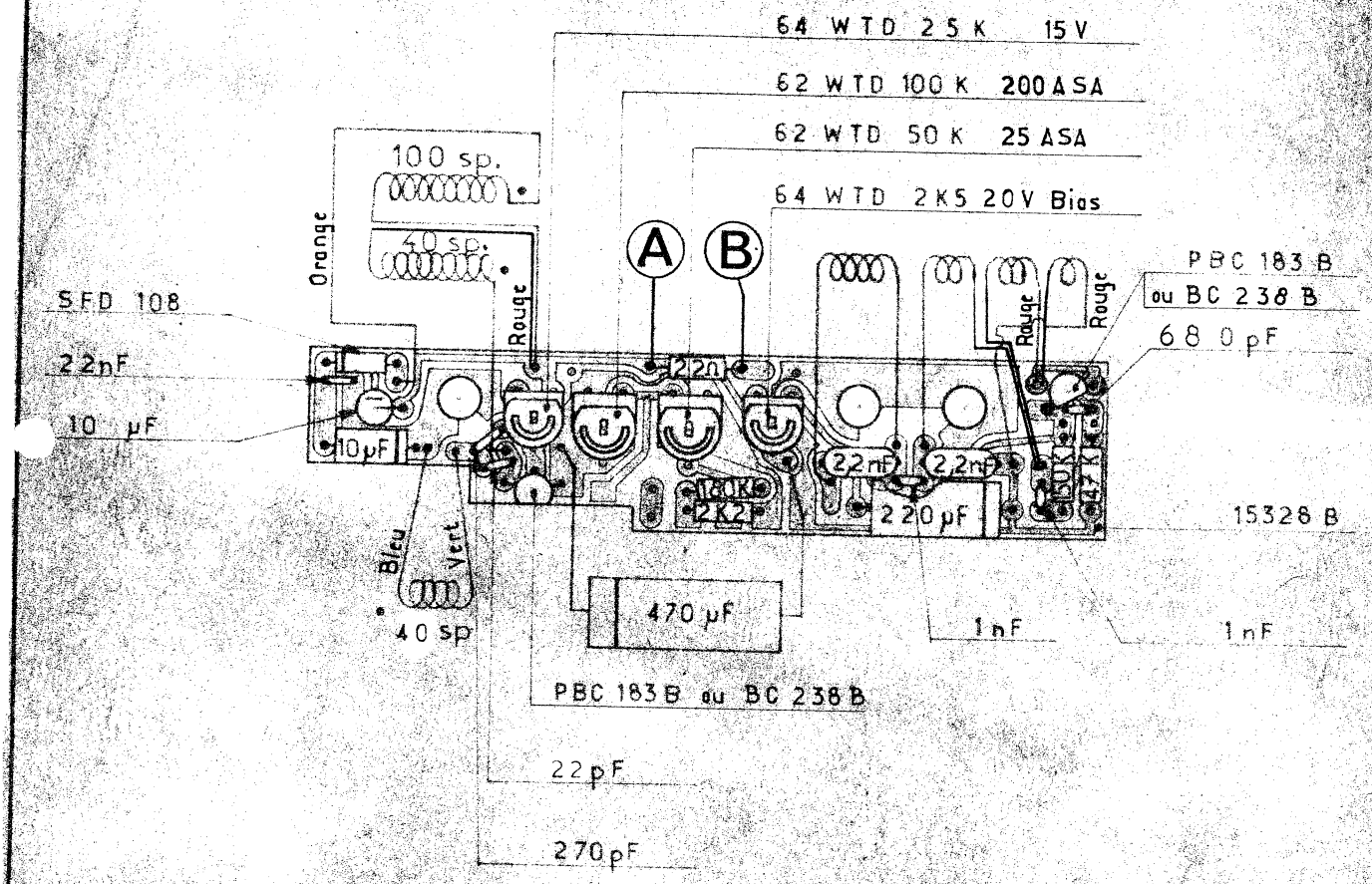

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P
Rep
Nature de la modification
Date
Visa
Matière
Traitement
Protection
Poids
Echelle
Dés. par : Bressier
Date : 1.10.75
Vérif. par
Quantité
Tolér. gén.
N de modif.
CABLAGE GÉNÉRAL
Cellule Moririca
Caméra 5008 S
BEAULIEU
N° 15545

	PHOTOCEL .	A.S.A POT.	25 A.S.A	200 A.S.A
1	F . P .	PC 15245 100 Kohms	50 Kohms	100 Kohms
2	MORIRICA	PC 15496 5,6 Kohms	2,5 Kohms	50 Kohms
3	MORIRICA	PC 15496 A 27 Kohms	2,5 Kohms	50 Kohms
4	MORIRICA + 47 K.	PC 15496 A 27 Kohms	2,5 Kohms	50 Kohms
5	MORIRICA	PC 15496 B 330 Kohms	50 Kohms	100 Kohms



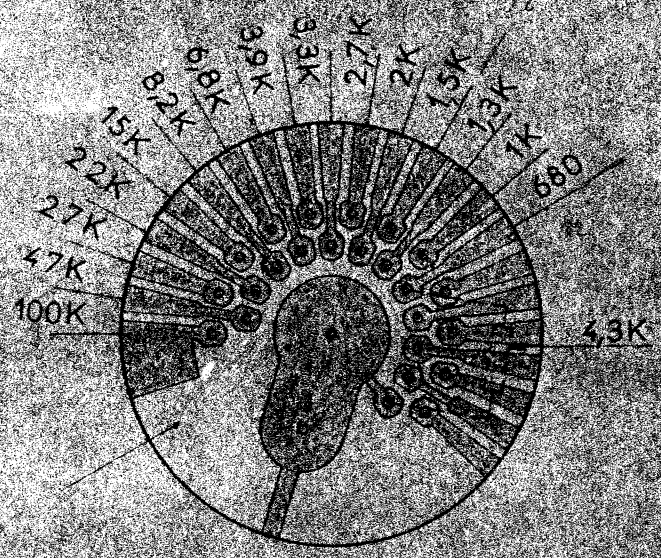


Résistances CR 25

C			
B			
A			
Rep	Nature de la modification		Date Visa

Matière	Traitement	Protection	Poids	Echelle	
—	—	—	—	1	Dés. par Fourneau Date 12.3.74 Vérif. par

Quant. par appareil 1	**Circuit convertisseur**	BEAULIEU
Tolér. gén. —	cablé complet	
	Caméra 5008 S	N° MP 15327
N° de modif.		



15246

Les résistances sont soudées à plat

Cotz carton bakélisé

Rep	Nature de la modification	Date	Visa
C			
B			
A			

Matière	Traitement	Protection	Poids	Echelle	
—	—	—	—	2	Des par Fourneau Date 18.1.74 Vérif. par

Quant. par appareil 1

Piste des sensibilités

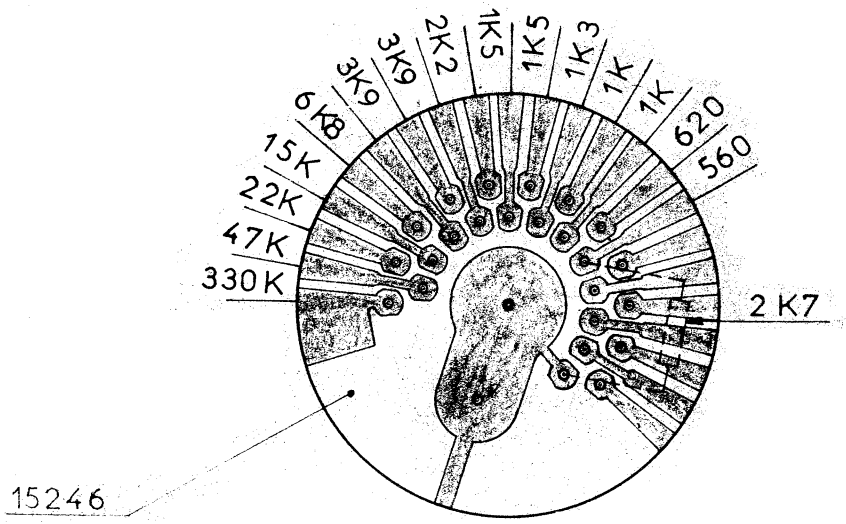
cablée

Tolér. gén. —

Caméra 50085

BEAULIEU

N° PC15245



Les résistances sont soudées à plat
Coté carton bakélisé

Rep	Nature de la modification	Date Visa
C		
B	Modification des valeurs de resistances	21.11.74 JCF
A	Modification des valeurs de résistances	17.10.74 JCF

Matière	Traitement	Protection	Poids	Echelle	
—	—	—	—	2	Dés. par : Fourneau Date : 18.1.74 Vérif. par :

Quant. par appareil 1

Tolér. gén.° —

N° de modif.

Piste des sensibilités

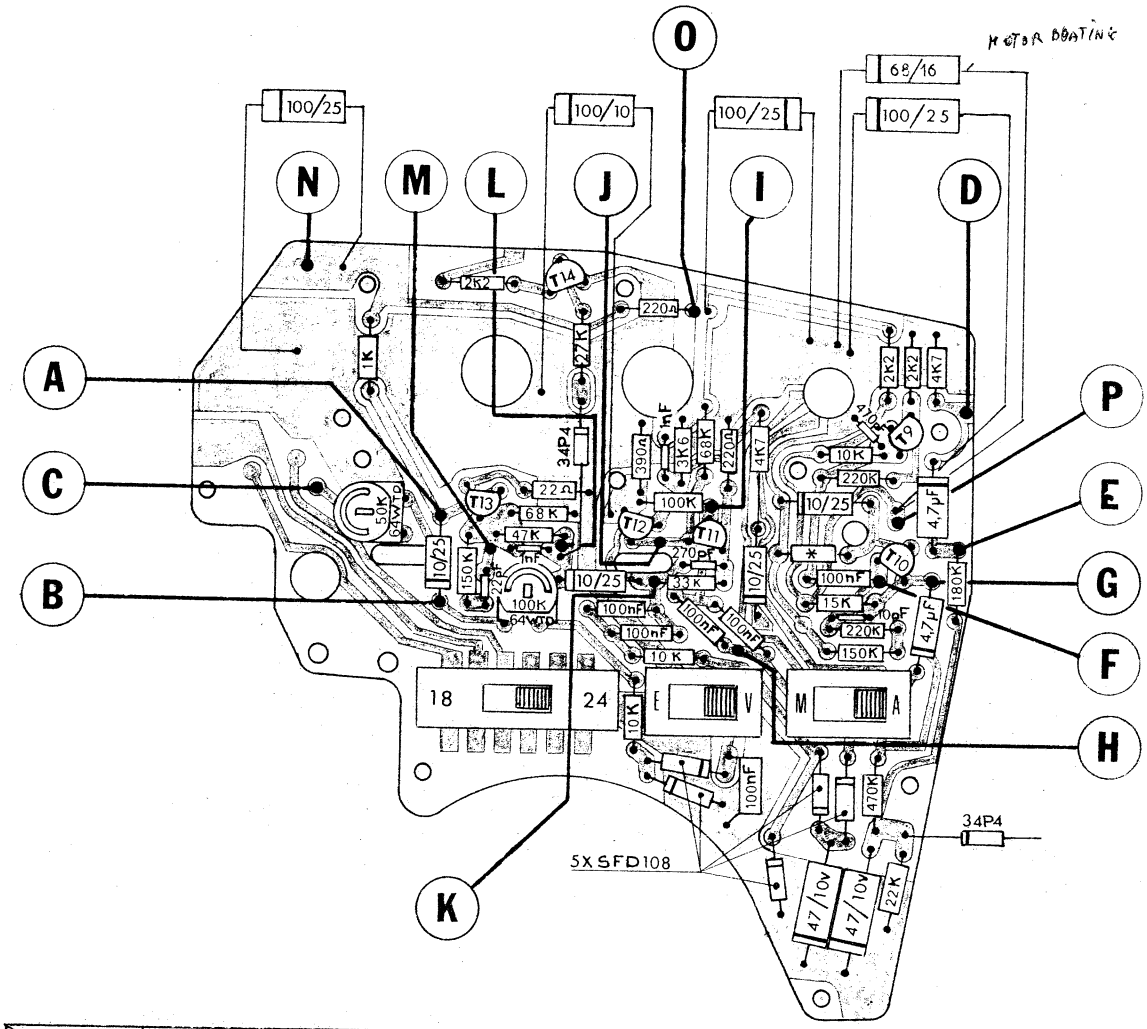
pour cellule Moirica cablée

Caméra 5008S

BEAULIEU

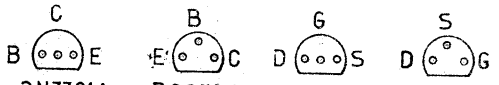
B

N° PC.15496



Couleur \ T10	BC 264 C	BF 245 C
JAUNE	* 3,9 K	* 8,2 K
VERT	* 4,3 K	* 9,1 K
ROUGE	* 4,7 K	* 10 K
BLANC	* 5,1 K	* 12 K
BLEU	* 5,6 K	* 13 K
ORANGE		* 15 K

T9 : 2N 3391 A
T11 : PBC 183B ou BC 238 A ou B
T12 : PBC 183B ou BC 238 B
T13 : PBC 183B ou BC 238 A ou B
T14 : PBC 183B ou BC 238 A ou B



2N3391A PBC183B | BC238A BC238B | 2N3819 | BC264C BF245C

Rep	Nature de la modification	Date Visa
C		
B		
A	Adjonction condensateur 68/16	27.3.75 Bx

Matière	Traitement	Protection	Poids	Echelle	
—	—	—	—	1	Dés. par : Brossier Date : 6.3.75 Vérif. par :

Quant. par appareil : 1

Tolér. gén.ᵗ : -

N° de modif.

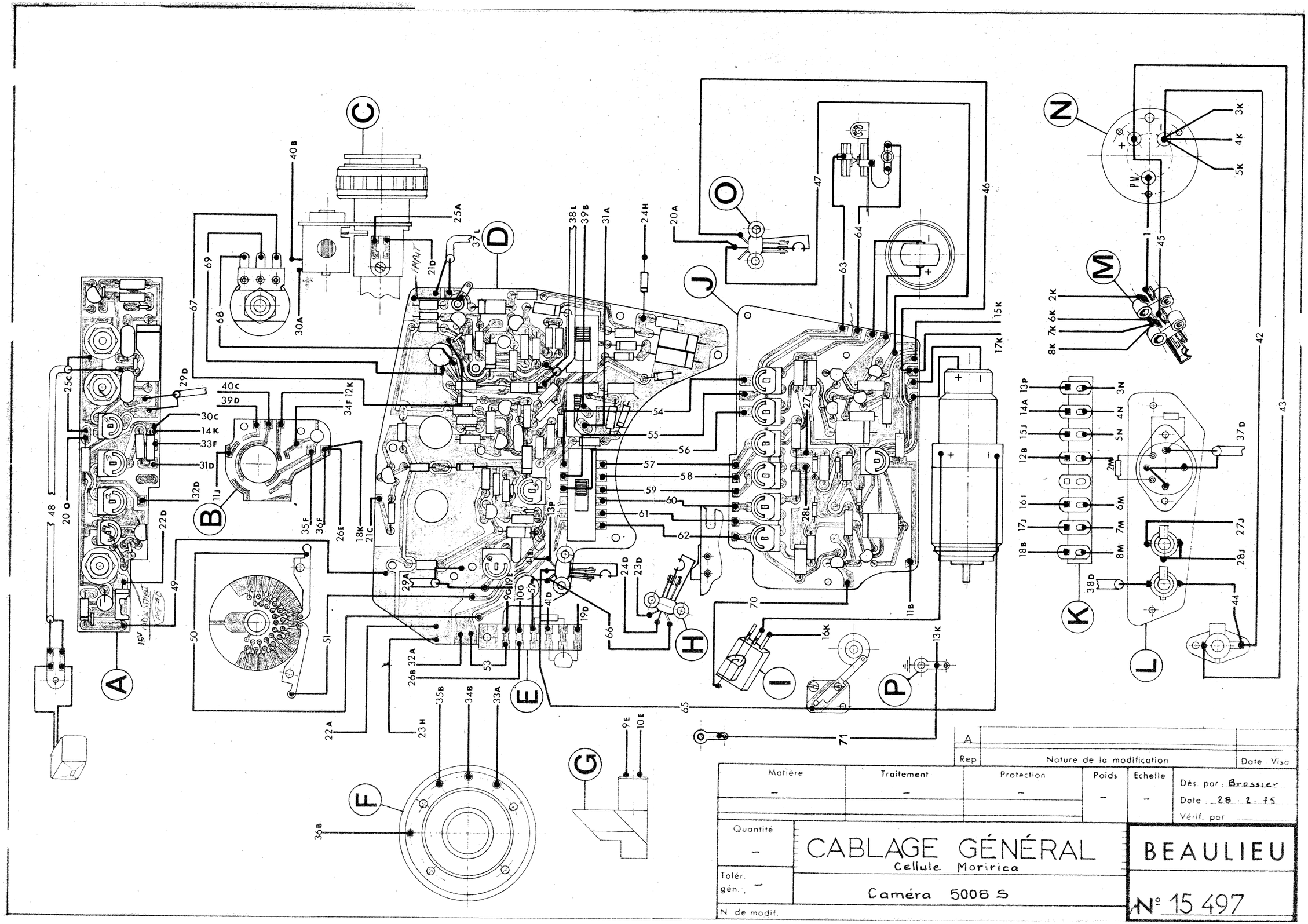
Circuit ampli monté

CAMÉRA 5008 S

BEAULIEU

N° MP 15331

SADIA-PARIS-HORROUIE



Rep	Nature de la modification	Date	Visa
A			

Matière	Traitement	Protection	Poids	Echelle	
–	–	–	–	–	Dés. par : Bressier Date : 28 . 2 . 75 Vérif. par

Quantité –

Tolér. gén. –

N de modif.

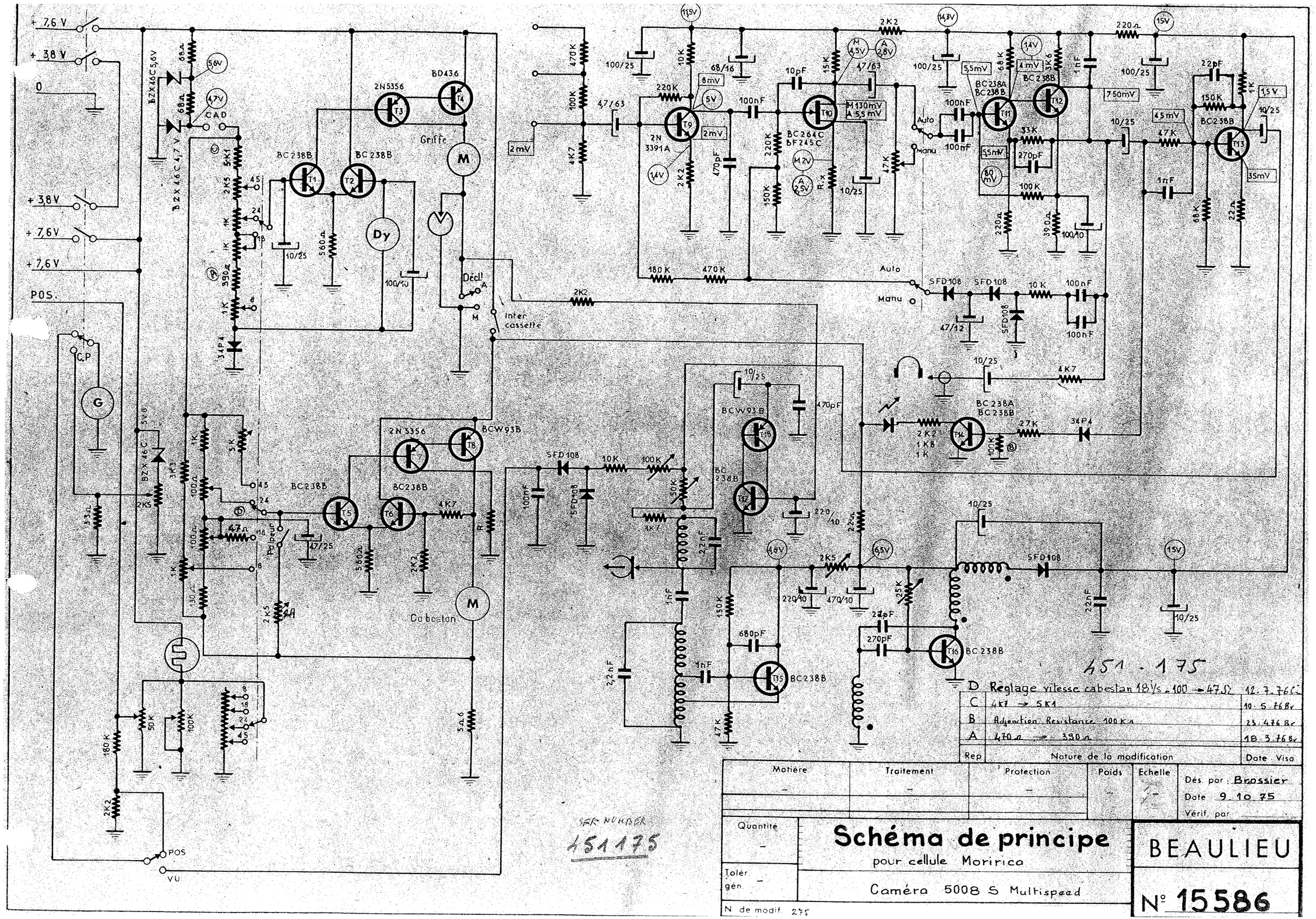
CABLAGE GÉNÉRAL

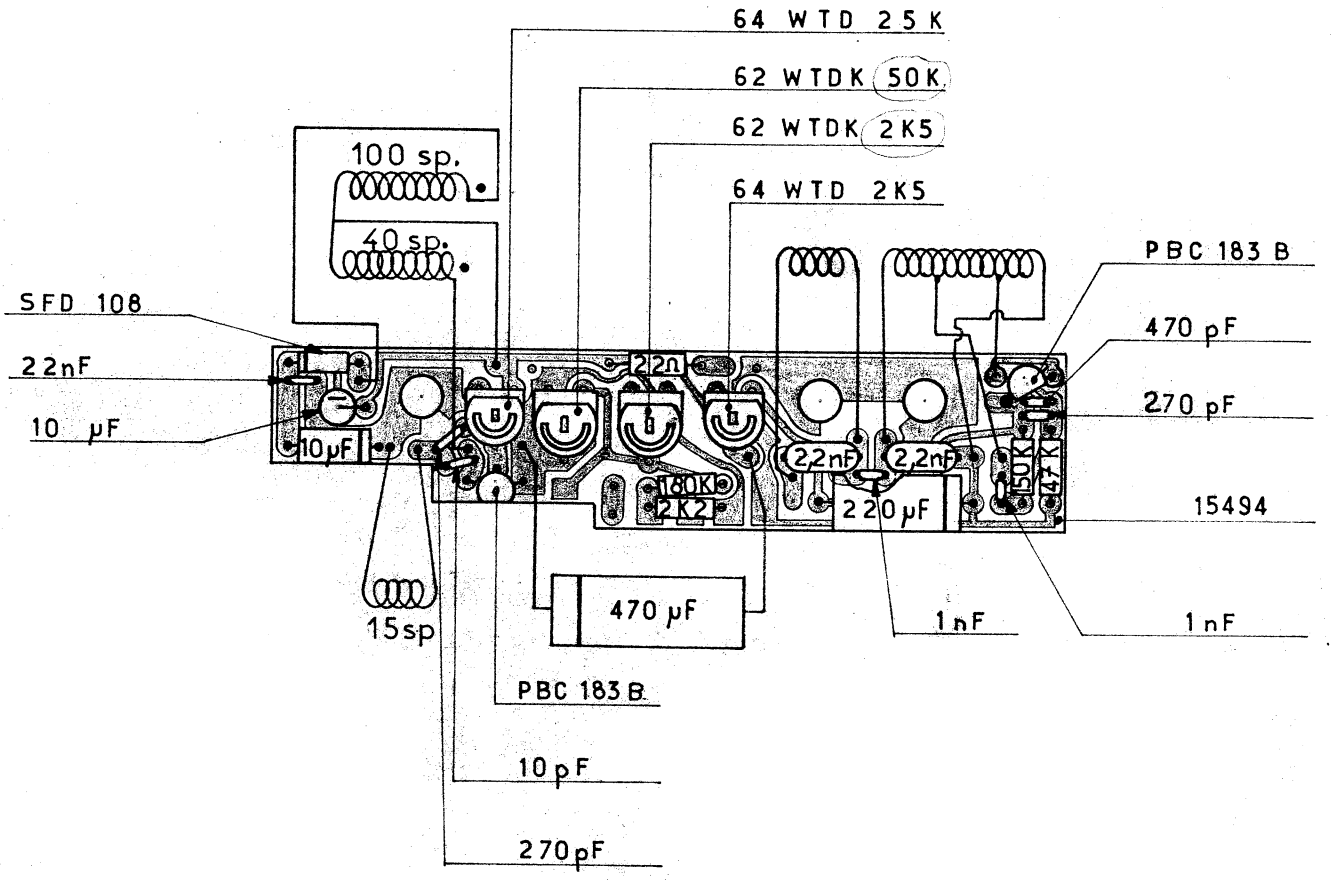
Cellule Moririca

Caméra 5008 S

BEAULIEU

N° 15 497


+ 7,6 V
+ 3,8 V
0
+ 3,8 V
+ 7,6 V
+ 7,6 V
POS.
C.P
G
BZX 46 C 5,6 V
BZX 46 C 4,7 V
BZX 46 C
5V0
5,6V
4,7V
CAD
BC 238B
BC 238B
2N5356
BD436
Griffe
M
Dy
Déc!
Inter cassette
2mV
2N 3391A
BC 264C
BF 245C
BC 238B
BC 238A
BC 238B
Auto
Manu
SFD 108
BCW93B
BC 238A
BC 238B
Cabestan
Polreur
POS
VU
451 . 175
D Réglage vitesse cabestan 18 V/s . 100 → 47 Ω 12. 7. 76 Cr
C 4K7 → 5K1 10. 5. 76 Br
B Adjonction Resistance 100 K Ω 23. 4. 76 Br
A 470 Ω → 330 Ω 18. 3. 76 Br
Rep Nature de la modification Date Visa
Matière
Traitement
Protection
Poids
Echelle
Dés. par : Brossier
Date 9. 10. 75
Vérif. par
Quantité
Tolér. gén.
N de modif. 275
Schéma de principe
pour cellule Moirica
Caméra 5008 S Multispeed
BEAULIEU
N° 15586
SER NUMBER
451175



Résistances CR 25

Rep	Nature de la modification	Date - Visa
C		
B		
A		

Matière	Traitement	Protection	Poids	Echelle	
—	—	—	—	1	Dés. par : Fourneau Date : 12.3.74 Vérif. par :

Quant. par appareil: 1

Tolér. gén.le: —

N° de modif.

Circuit convertisseur

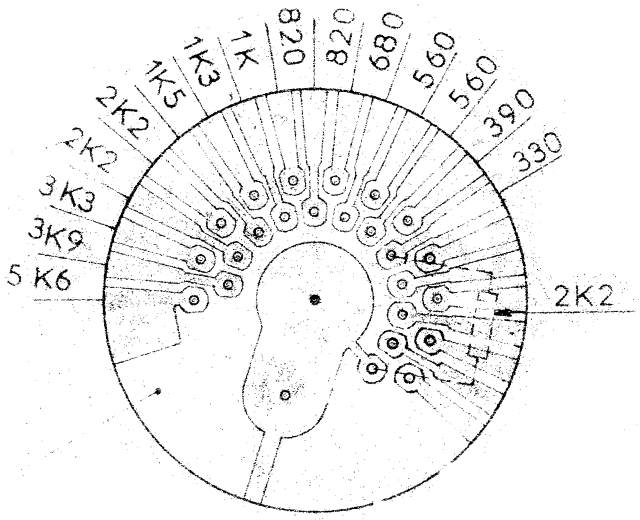
Cablé pour cellule Moririca.

Caméra 5008 S

BEAULIEU

N° MP.15493

SADIA-PARIS-HORBOURG



15246

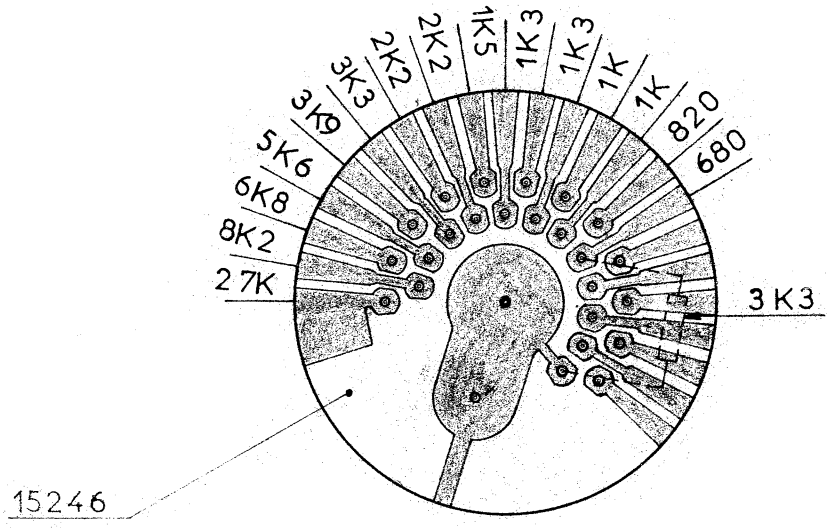
Les résistances sont soudées à plat

Coté carton bakelisé

Rep	Nature de la modification	Date	Visa

Matière	Traitement	Protection	Poids	Echelle	
—	—	—	—	2	Des par Fourneau Date 18.1.74 Verif par

Quant par appareil 1	**Piste des sensibilités** pour cellule Mannesmann cablée Camera 5008S	BEAULIEU
Total général —		N° PC.15496
N° de quant		



Les résistances sont soudées à plat

Coté carton bakélisé

Rep	Nature de la modification	Date - Visa
C		
B		
A	Modification des valeurs de résistances	17.10.74. dF

Matière	Traitement	Protection	Poids	Echelle	
—	—	—	—	2	Dés. par : Fourneau Date : 18.1.74 Vérif. par :

Quant. par appareil : 1

Tolér. gén.t : —

N° de modif.

Piste des sensibilités

pour cellule Moririca cablée

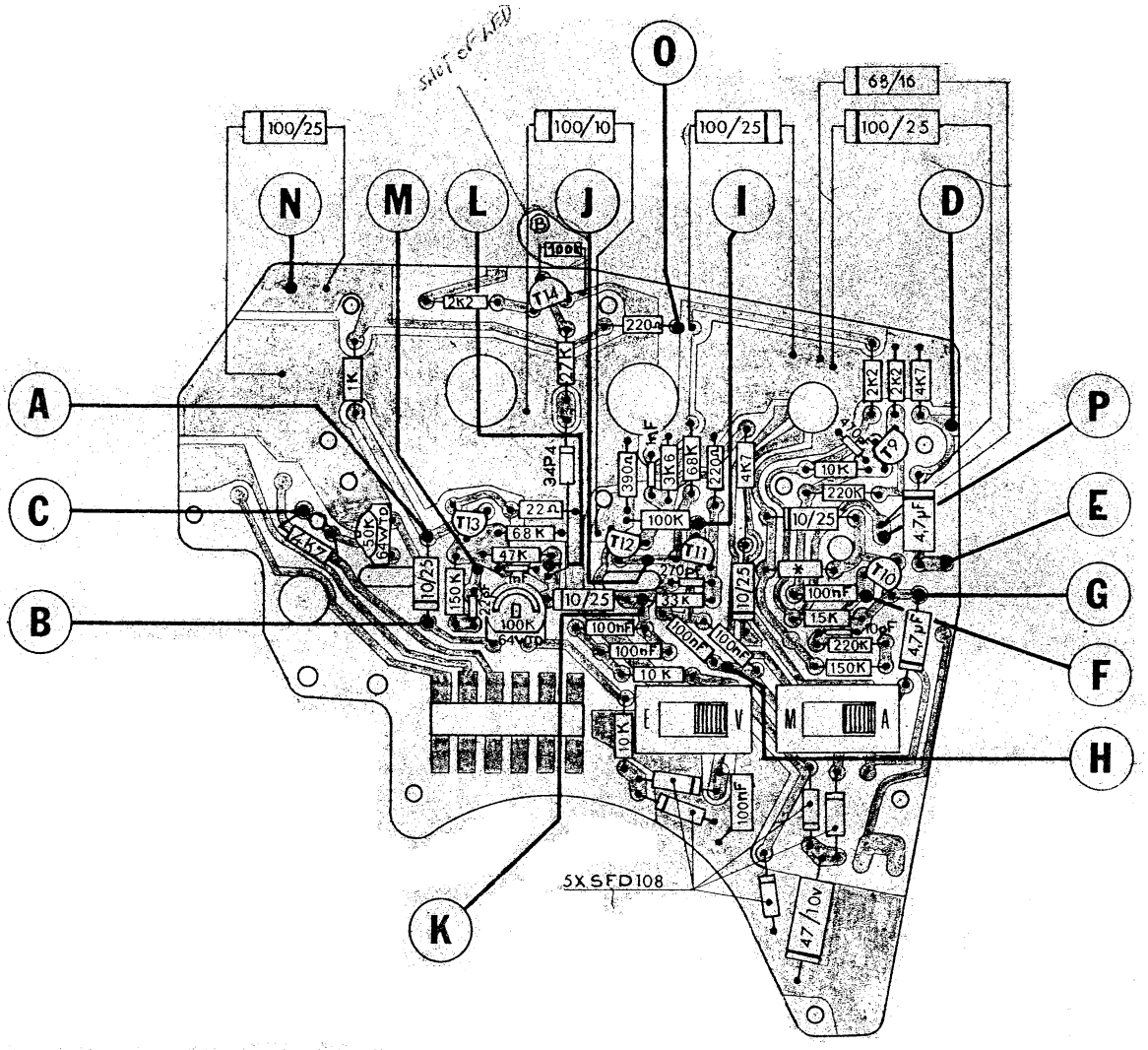
Caméra 5008S

BEAULIEU

(A)

N° PC.15496

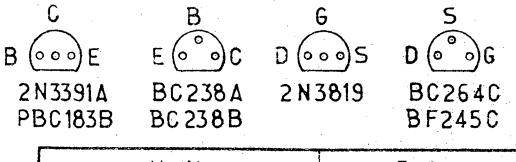
SADIA-PARIS-HORBOURG



T10 / Couleur	BC264C	BF245C
JAUNE	* 3,9K	* 8,2K
VERT	* 4,3K	* 9,1K
ROUGE	* 4,7K	* 10K
BLANC	* 5,1K	* 12K
BLEU	* 5,6K	* 13K
ORANGE		* 15K

T9 : 2N 3391A
T11 : PBC 183B ou BC 238A ou B
T12 : PBC 183B ou BC 238B
T13 : PBC 183B ou BC 238A ou B
T14 : PBC 183B ou BC 238A ou B

251175



Rep	Nature de la modification	Date Visa
C		
B	Adjonction resistance 100 Kω	23.4.76 Br
A	~~Adjonction condensateur 68/16~~	27.3.75 Br

Matière	Traitement	Protection	Poids	Echelle	
—	—	—	—	1	Dés. par : Brossier Date : 6.3.75 Vérif. par :

Quant. par appareil : 1

Tolér. gén.te : -

Circuit ampli
monté

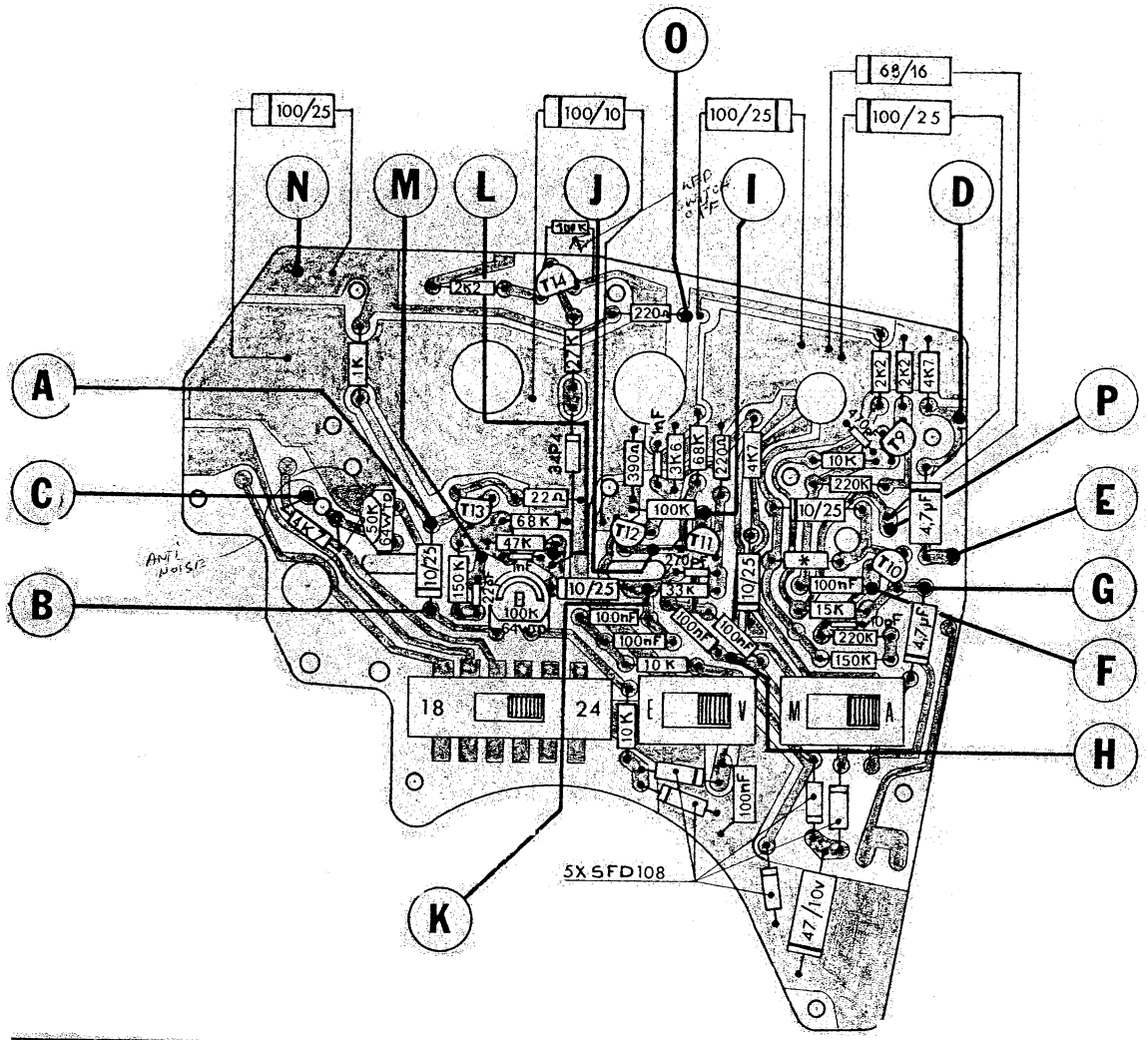
CAMÉRA 5008 S Multispeed

N° de modif.

BEAULIEU

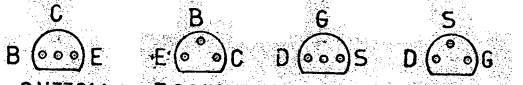
N° MP 15583

SADIA-PARIS-HORROUBS



T10 / Couleur	BC264C	BF245C
JAUNE	* 3,9K	* 8,2K
VERT	* 4,3K	* 9,1K
ROUGE	* 4,7K	* 10K
BLANC	* 5,1K	* 12K
BLEU	* 5,6K	* 13K
ORANGE		* 15K

T9 : 2N 3391A
T11 : PBC 183B ou BC 238A ou B
T12 : PBC 183B ou BC 238B
T13 : PBC 183B ou BC 238A ou B
T14 : PBC 183B ou BC 238A ou B



Rep	Nature de la modification	Date	Visa
C			
B			
A	Adjonction resistance 100Ka	24.4.76	

Matière	Traitement	Protection	Poids	Echelle
—	—	—	—	1

Dés. par : Brossier
Date : 1.10.75
Vérif. par : Rapin

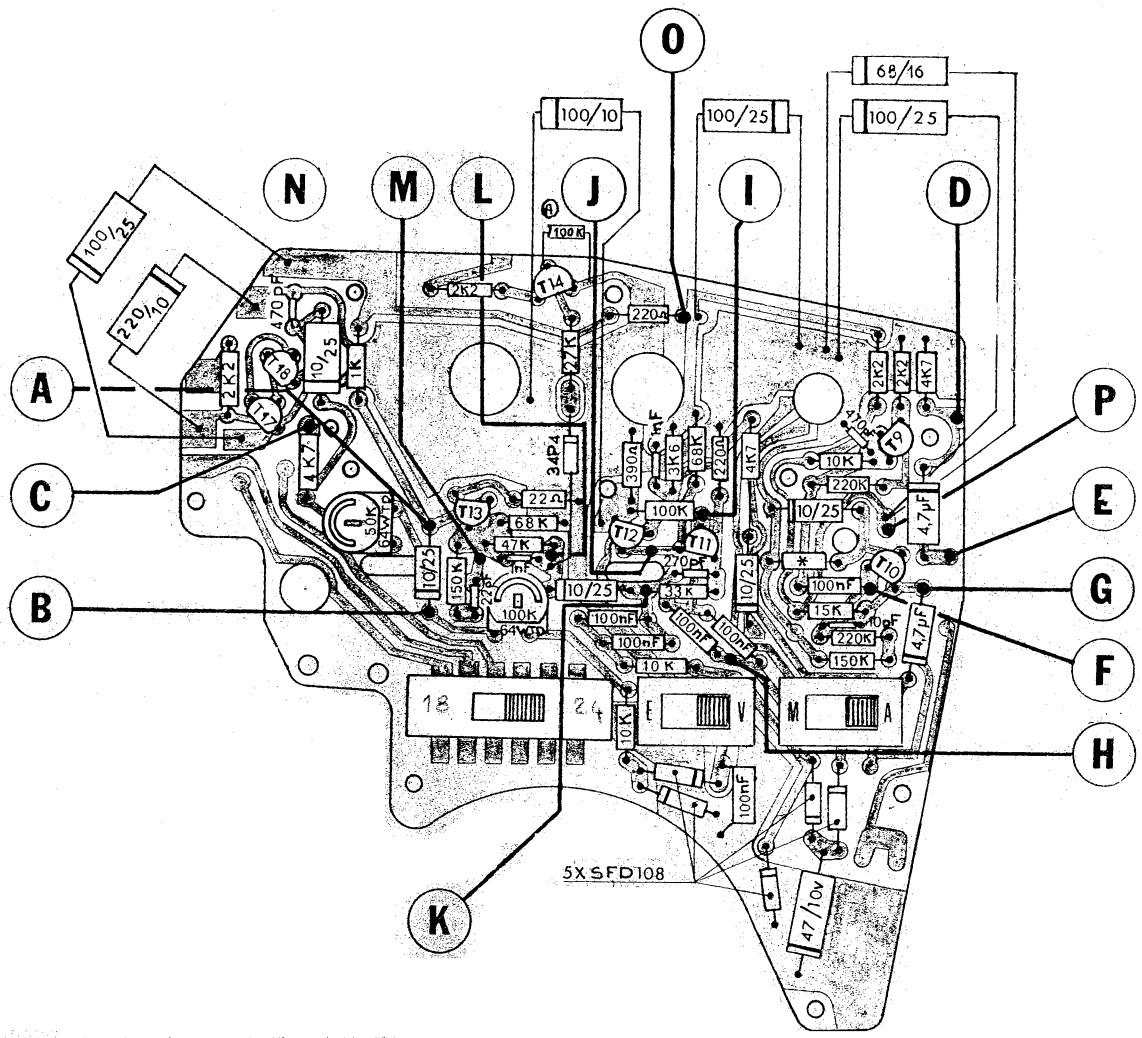
Quant. par appareil : 1
Tolér. gén.ᵉ : —
N° de modif.

Circuit ampli
monté

CAMÉRA 5008 S

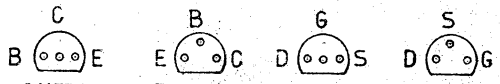
BEAULIEU

N° MP 15543



T10 / Couleur	BC 264 C	BF 245 C
JAUNE	* 3,9K	* 8,2K
VERT	* 4,3K	* 9,1K
ROUGE	* 4,7K	* 10K
BLANC	* 5,1K	* 12K
BLEU	* 5,6K	* 13K
ORANGE		* 15K

T9 : 2N 3391A
T11 : PBC 183B ou BC 238A ou B
T12 : PBC 183B ou BC 238B
T13 : PBC 183B ou BC 238A ou B
T14 : PBC 183B ou BC 238A ou B
T17 : BC 238 A ou B
T18 : BCW 93 B



2N3391A PBC183B | BC238A BC238B | 2N3819 | BC264C BF245C

Rep	Nature de la modification	Date Visa
C		
B		
A	Adjonction resistance 100 Kn	24.4.76 Br

Matière	Traitement	Protection	Poids	Echelle	
			–	1	Dés. par : Fourneau Date : 13.11.75 Vérif. par :

Quant. par appareil : 1

Tolér. gén.° : –

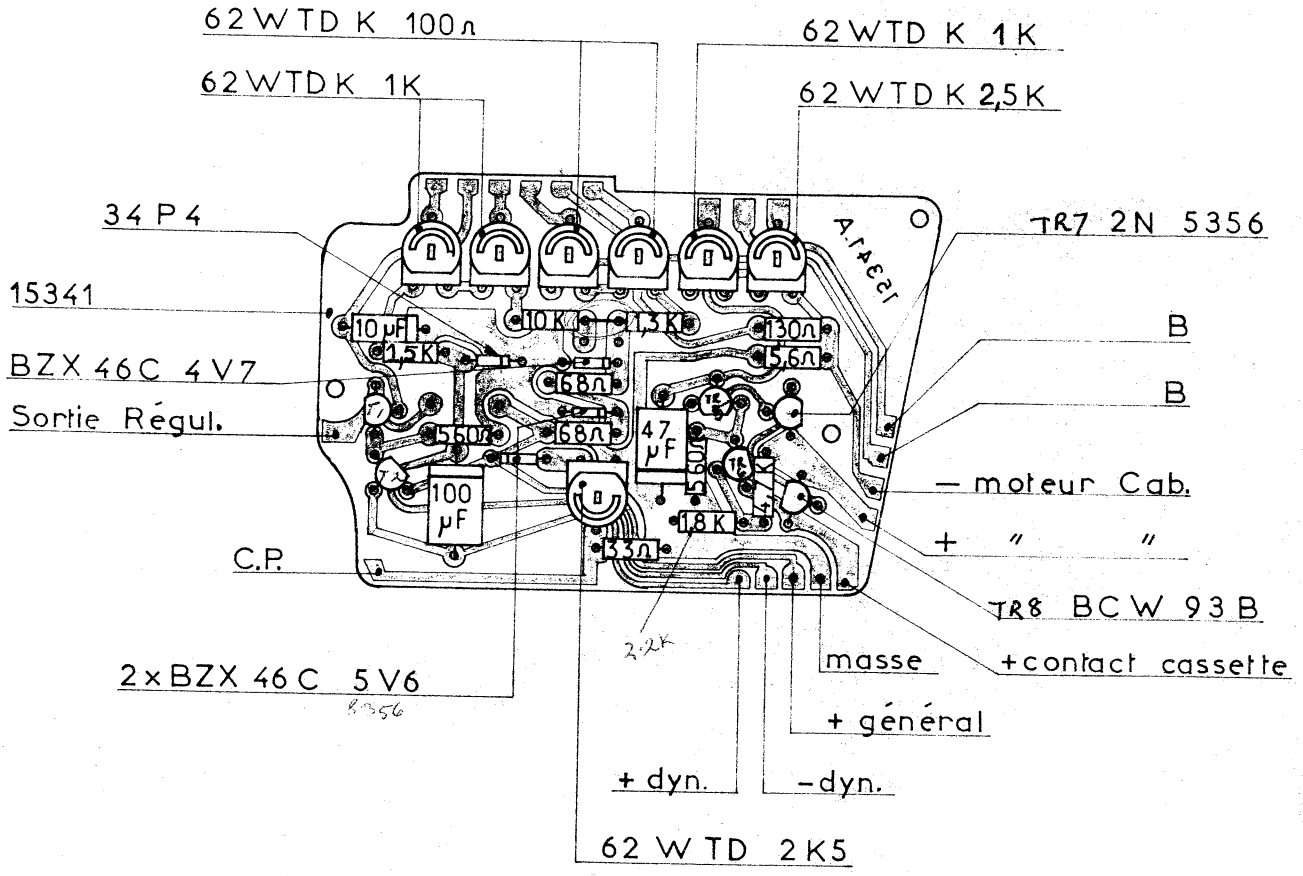
N° de modif.

Circuit ampli
monté

CAMÉRA 5008 S

BEAULIEU

N° MP 15548



Autres transistors PBC 183 B

Toutes les résistances: CR 25

Rep	Nature de la modification	Date	Visa
C			
B			
A	2,5 KΩ → 1 KΩ 5 KΩ → 2,5 KΩ	12.11.74	Br

Matière	Traitement	Protection	Poids	Echelle	
—	—	—	—	1	Dés. par : Fourneau Date : 7.3.74 Vérif. par

Quant. par appareil: 1

Toler. gén.: —

N° de modif.

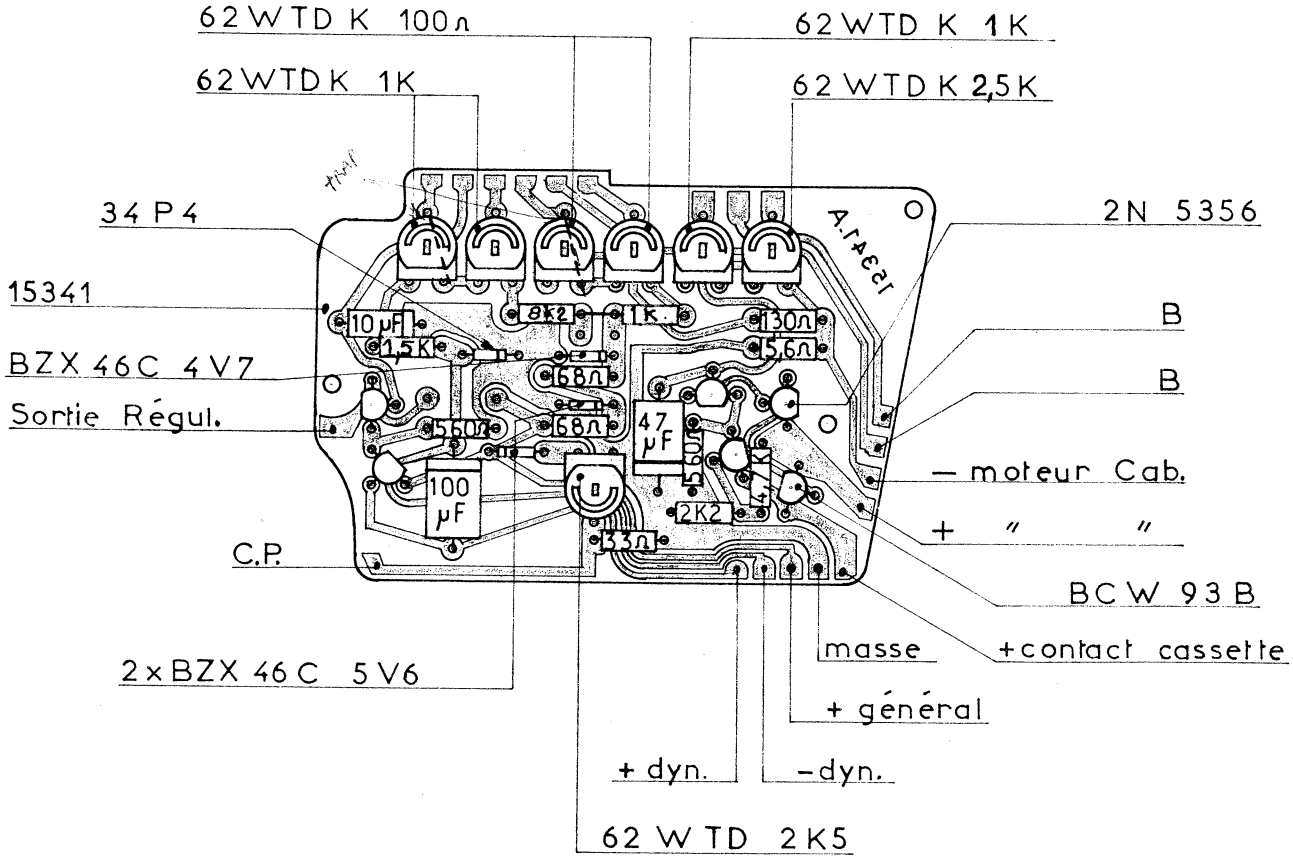
Circuit régulation

cablé complet

Caméra 5008 S

BEAULIEU

N° MP 15340



Autres transistors PBC 183 B ou BC 238 B

Toutes les résistances: CR 25

Rep	Nature de la modification	Date · Visa
C		
B		
A		

Matière	Traitement	Protection	Poids	Echelle	
—	—	—	—	1	Dés. par : Fourneau Date : 7.3.74 Vérif. par :

Quant. par appareil: 1

Tolér. gén.°: —

N° de modif.

Circuit régulation

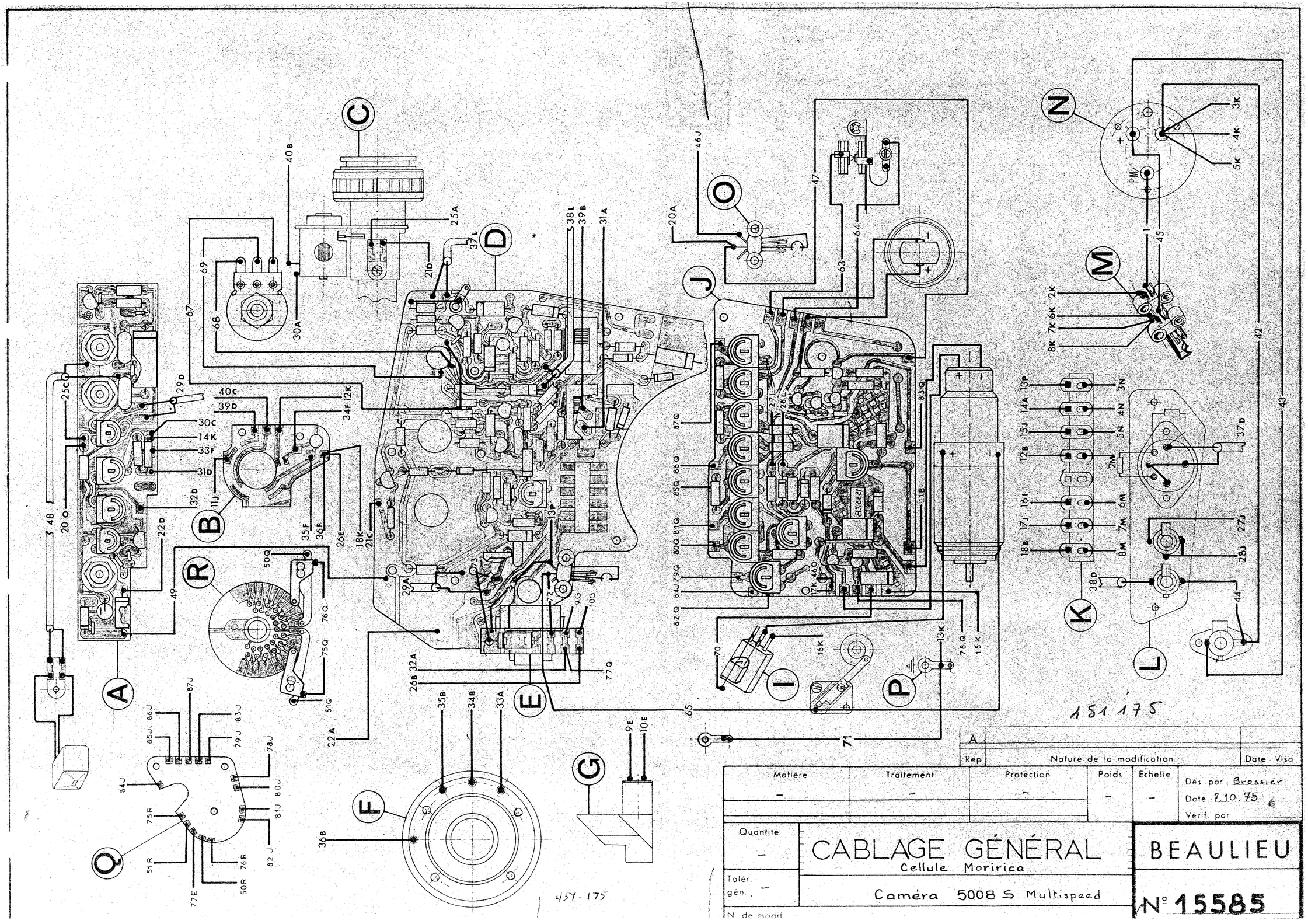
cablé complet

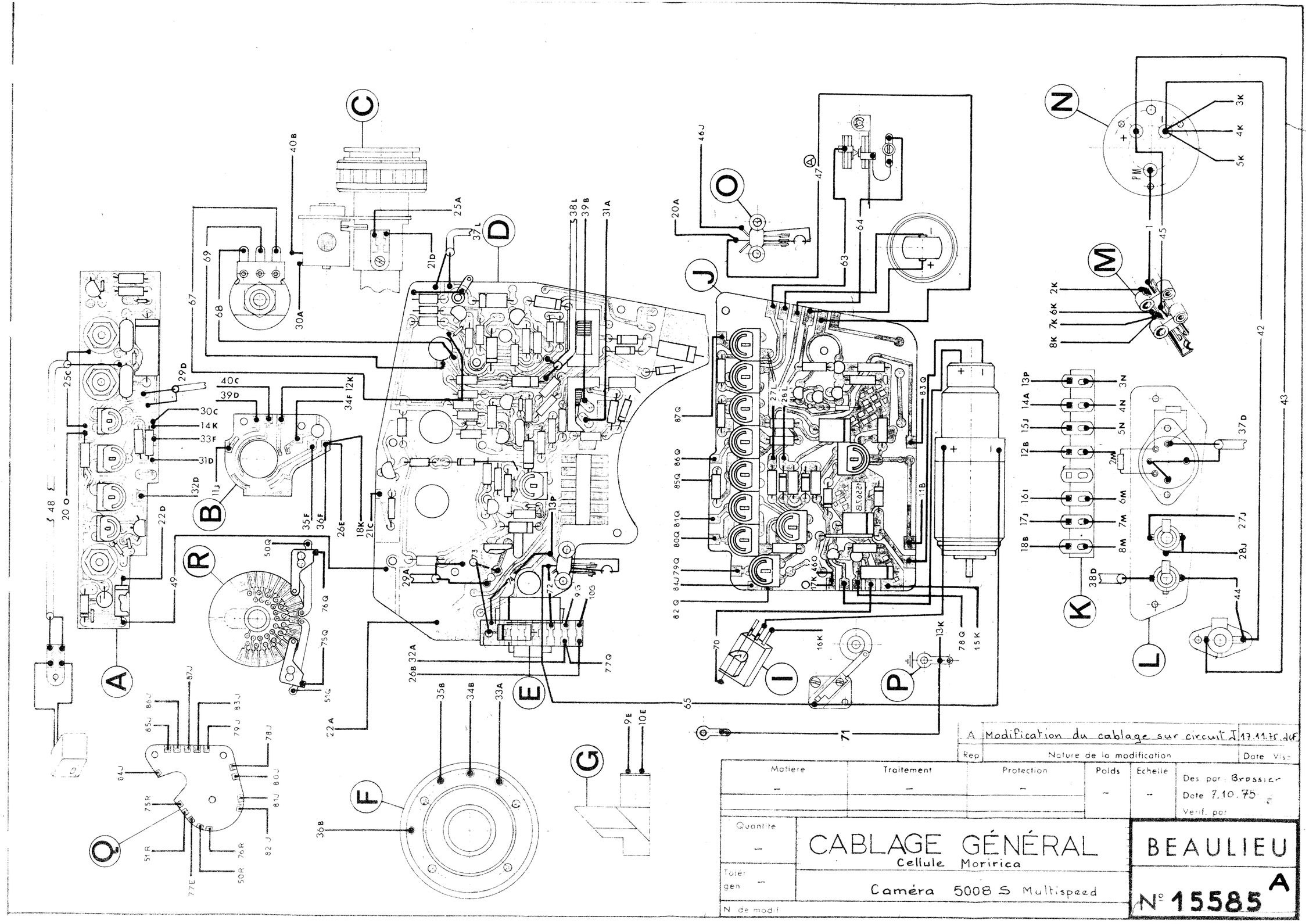
Caméra 5008 S

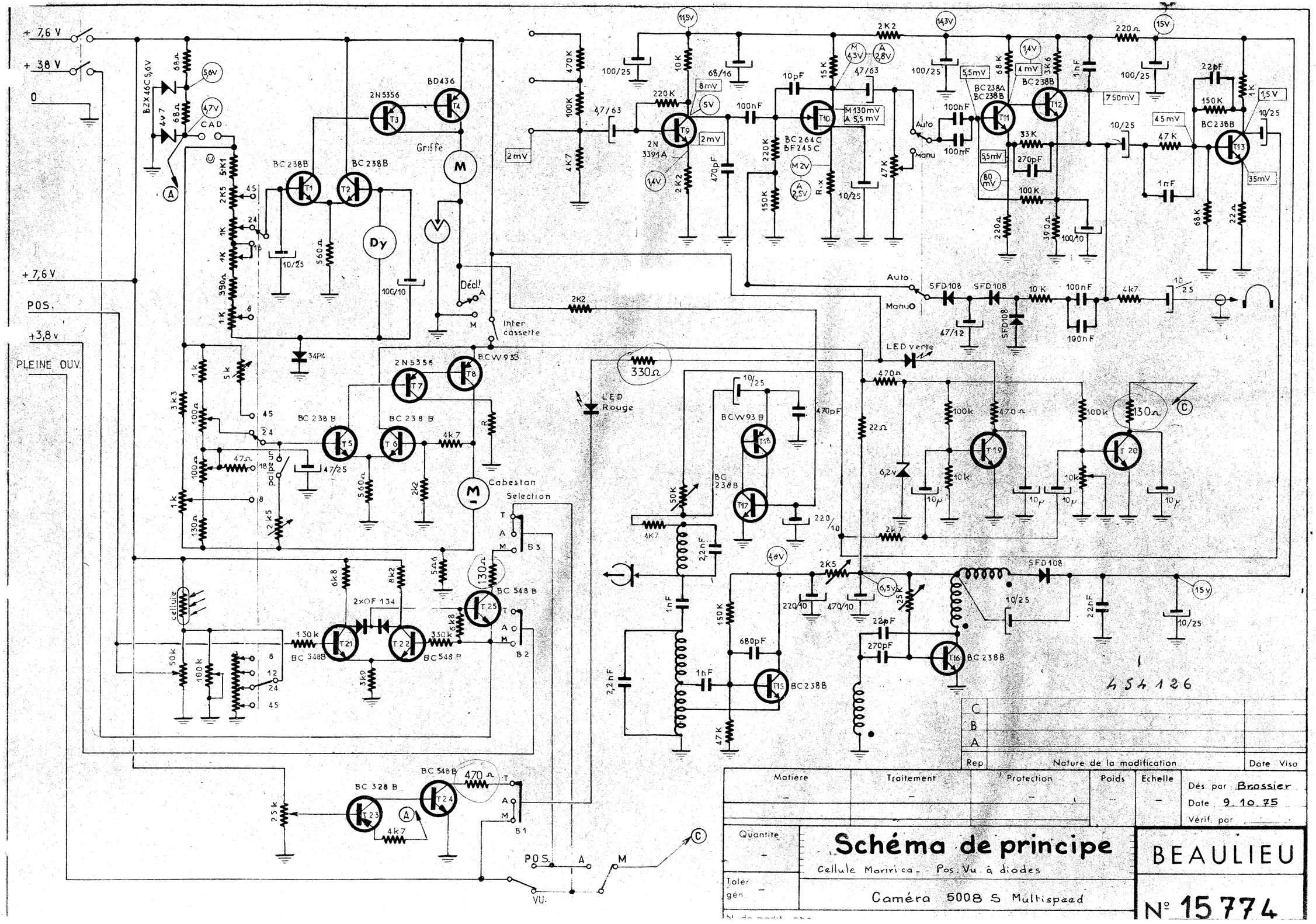
BEAULIEU

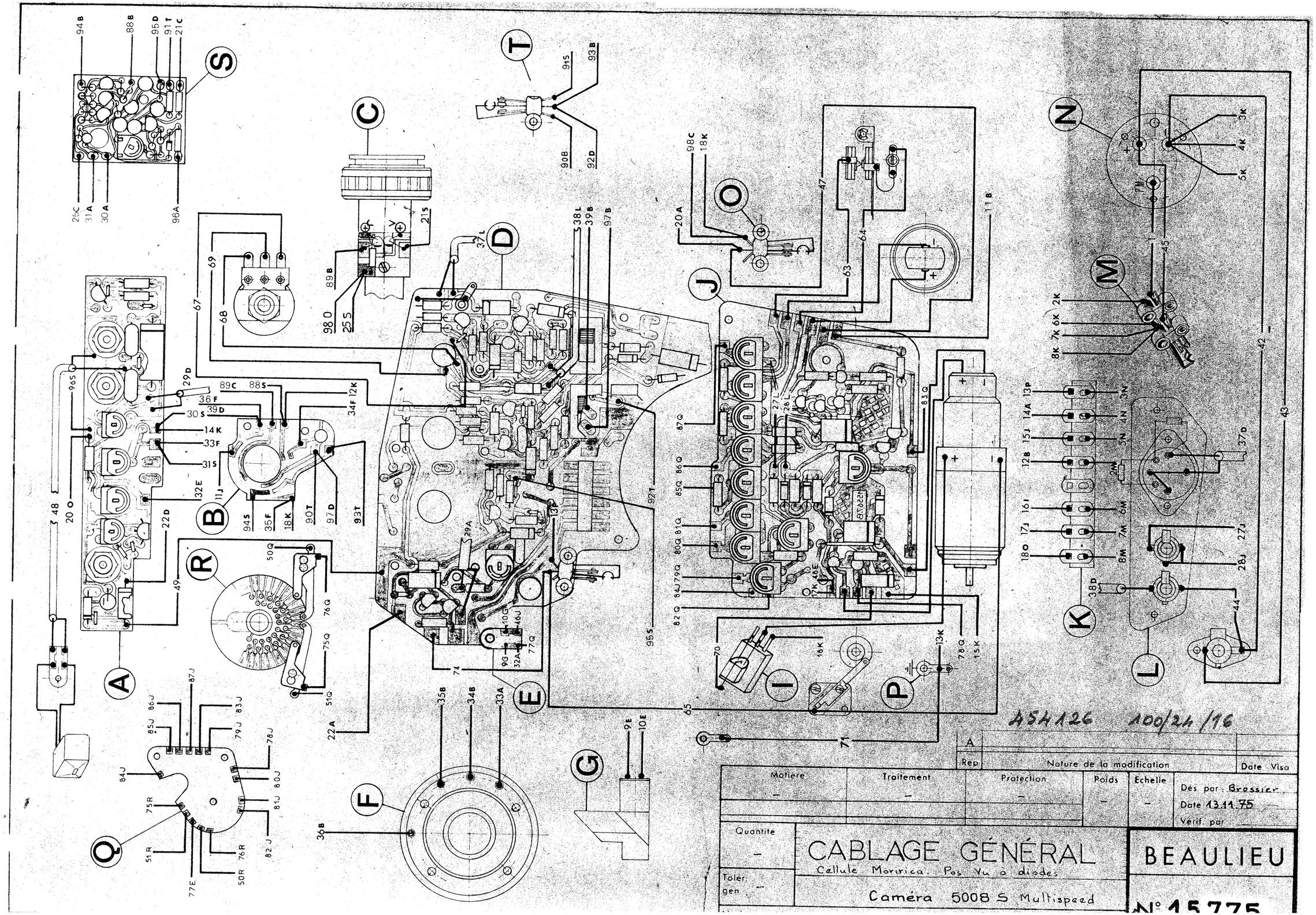
N° MP 15538

SADIA-PARIS-HORBOURG


A
B
C
D
E
F
G
I
J
K
L
M
N
O
P
Q
R
451 175
Rep
Nature de la modification
Date
Visa
Matière
Traitement
Protection
Poids
Echelle
Dés par : Brossier
Date 7.10.75
Vérif. par
Quantité
Tolér. gén.
N° de modif.
CABLAGE GÉNÉRAL
Cellule Moririca
Caméra 5008 S Multispeed
BEAULIEU
N° 15585


A
B
C
D
E
F
G
I
J
K
L
M
N
O
P
Q
R
A Modification du cablage sur circuit J 17.11.75
Rep
Nature de la modification
Date Visa
Matiere
Traitement
Protection
Poids
Echelle
Des par : Brossier
Date 7.10.75
Verif. par
Quantite
Total gen
N de modif
CABLAGE GÉNÉRAL
Cellule Moririca
Caméra 5008 S Multispeed
BEAULIEU
N° 15585 A

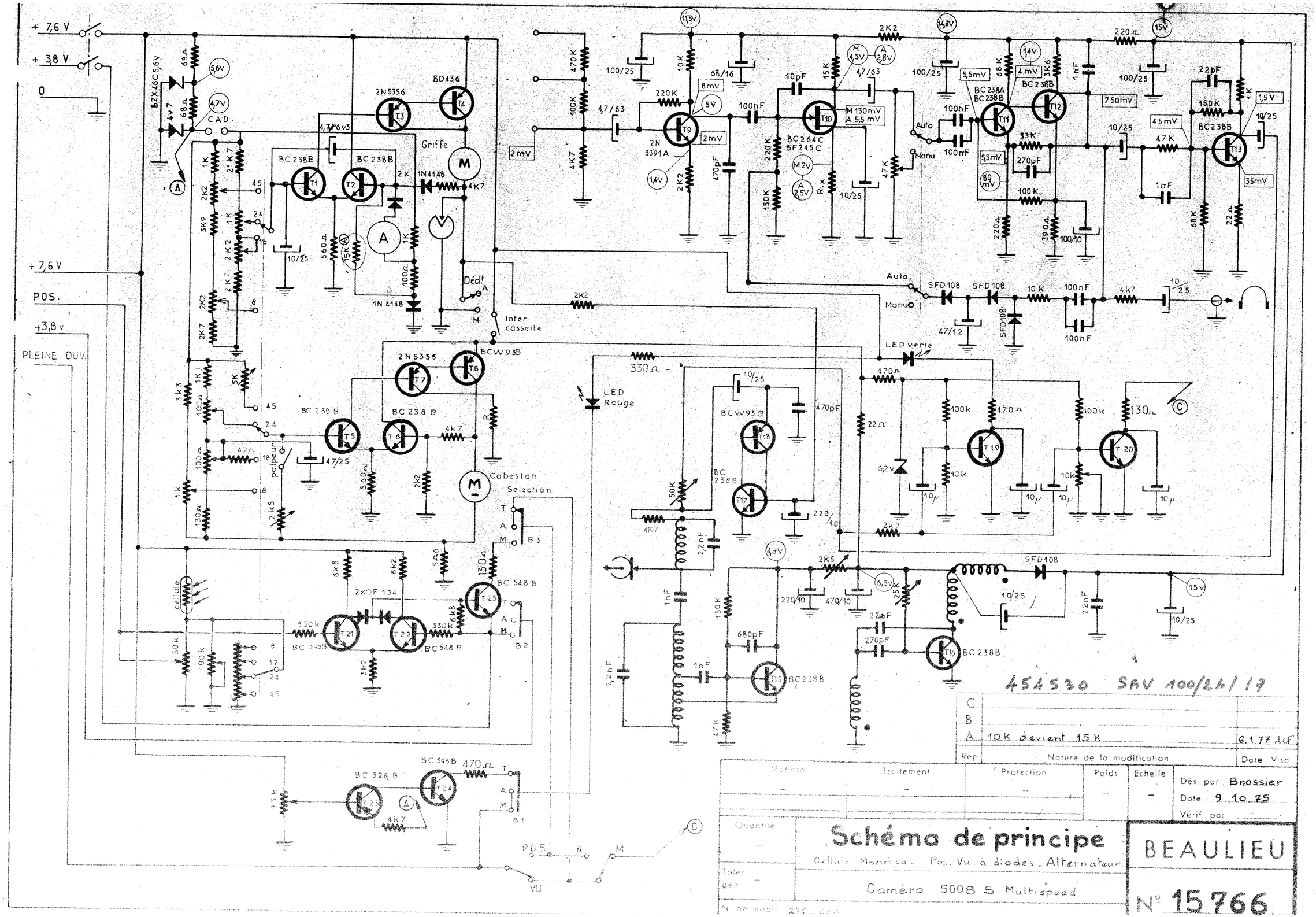

+ 7,6 V
+ 3,8 V
0
+ 7,6 V
POS.
+3,8 v
PLEINE OUV.
BZX 46 C 5,6V
CAD
BC 238B
2N5356
BD436
Griffe
Dy
Déclt
Inter cassette
BCW 93B
Cabestan
Selection
palpeur
cellule
2xOF 134
BC 548B
BC 328 B
BC 264C
BF 245C
2N 3391A
SFD 108
LED verte
LED Rouge
Auto
Manu
POS.
A
M
VU.
454126
Rep
Nature de la modification
Date
Visa
Matière
Traitement
Protection
Poids
Echelle
Dés. par Brossier
Date 9.10.75
Vérif. par
Quantité
Toler. gén.
Schéma de principe
Cellule Moririca - Pos. Vu à diodes
Caméra 5008 S Multispeed
BEAULIEU
N° 15774

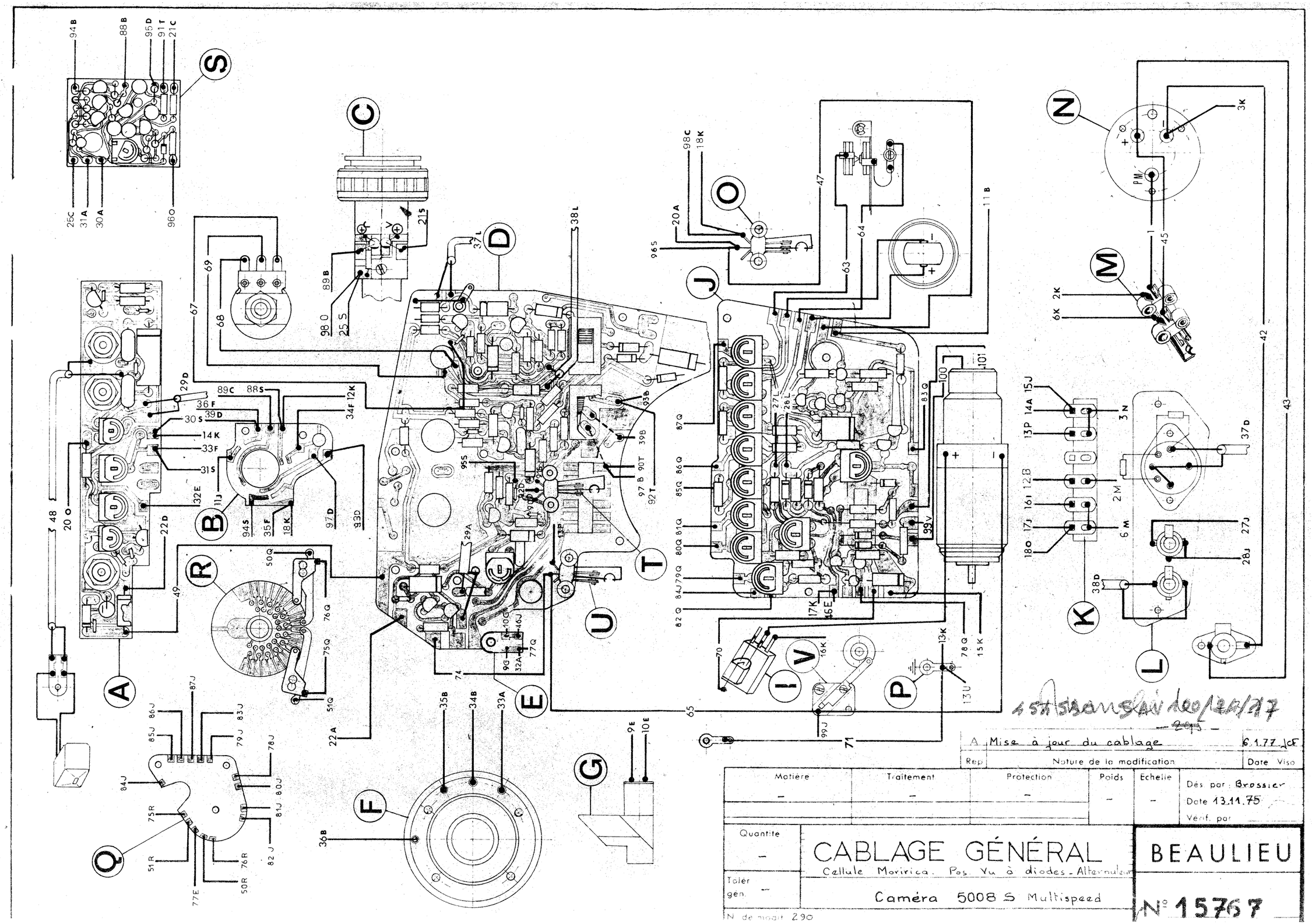

A54126 100/24/16
A
Rep
Nature de la modification
Date Visa
Matière
Traitement
Protection
Poids
Echelle
Dés. par Brossier
Date 13.11.75
Vérif. par
Quantité
Toler. gén.
CABLAGE GÉNÉRAL
Cellule Morrica. Pas Vu à diodes
Caméra 5008 S Multispeed
BEAULIEU
N° 15775

Nomenclature fils caméra 5008 à multispeed

pos. à diodes lum.

N°	REF.	COULEUR	COLOR		N°	REF.	COULEUR	COLOR	
1	EPDF	Jaune	Yellow		86	EPDF	Marron	Brown	
2	EPDF	Jaune	Yellow		87	EPDF	Orange	Orange	
3	227 T	Noir	Black		88	EPDF			
4	EPDF	Noir	Black		89	EPDF			
5	EPDF	Noir	Black		90	EPDF			
6	227 T	Rouge	Red		91	EPDF			
7	EPDF	Rouge	Red		92	EPDF			
8	EPDF	Rouge	Red		93	EPDF			
9		Cellule	Cell		94	EPDF			
10		Cellule	Cell		95	EPDF			
11	EPDF	Rouge noir	Red Black		96	EPDF			
12	EPDF	Jaune	Yellow		97	EPDF			
13	227 T	Noir	Black		98	EPDF			
14	EPDF	Noir	Black						
15	EPDF	Noir	Black						
16	227 T	Rouge	Red						
17	EPDF	Rouge	Red						
18	EPDF	Rouge	Red						
19	EPDF	Rouge Blanc	Red White	annulé					
20	EPDF	Rouge Blanc	Red White						
21	EPDF	Noir Vert	Black Green						
22	EPDF	Noir	Black						
23	EPDF	Noir	Black	annulé					
24	EPDF	Noir vert	Black Green	annulé					
25	EPDF	Rouge Blanc	Red White						
26	EPDF	Rouge	Red	annulé					
27	SM 485	Orange	Orange						
28	SM 485	Bleu	Blue						
29	PU 102								
30	SM 245	Noir	Black						
31	EPDF	Marron	Brown						
32	EPDF	Bleu Blanc	Blue White						
33	SM 485	Vert	Green						
34	SM 485	Jaune	Yellow						
35	SM 485	Orange	Orange						
36	SM 485	Rouge	Red						
37	PU 102								
38	PU 102								
39	EPDF	Vert Blanc	Green White						
40	SM 245	Vert	Green	annulé					
41	EPDF	Noir	Black	annulé					
42	EPDF	Noir	Black						
43	EPDF	Rouge	Red						
44	EPDF	Noir	Black						
45	227 T	Rouge	Red						
46	EPDF	Rouge	Red						
47	EPDF	Rouge Blanc	Red White						
48	PU 102								
49	EPDF	Orange	Orange						
50	EPDF	Jaune	Yellow						
51	EPDF	Orange	Orange						
52	EPDF	Vert	Green	annulé					
53	EPDF	Jaune	Yellow	annulé					
63	EPDF	Vert Blanc	Green White						
64	EPDF	Vert Blanc	Green White						
65	227 T	Jaune	Yellow	annulé					
66	EPDF	Vert	Green						
67	EPDF	Noir	Black						
68	EPDF	Bleu	Blue						
69	EPDF	Bleu Blanc	Blue White						
70	EPDF	Noir Vert	Black Green						
71	EPDF	Noir	Black						
72	EPDF	Vert	Green						
73	EPDF	Blanc Rouge	White Red	annulé_modif. 255					
74	EPDF	Noir	Black	annulé_modif. 255					
75	EPDF	Marron	Brown						
76	EPDF	Vert	Green						
77	EPDF	Blanc Bleu	White Blue						
78	EPDF	Marron	Brown						
79	EPDF	Blanc Rouge	White Red						
80	EPDF	Blanc Bleu	White Blue						
81	EPDF	Vert Blanc	Green White						
82	EPDF	Blanc Noir	White Black						
83	EPDF	Noir Vert	Black Green						
84	EPDF	Vert	Green						
85	EPDF	Jaune	Yellow						


+ 7,6 V
+ 3,8 V
0
+ 7,6 V
POS.
+3,8 v
PLEINE OUV.
BZX 46C 5,6V
CAD
Griffe
Décl!
Inter cassette
Cabestan
Selection
palpeur
cellule
LED Rouge
LED verte
Auto
Manu
SFD108
2N 3391 A
BC 264 C
BF 245 C
BC 238A
BC 238B
BCW 93B
BC 328 B
BC 548 B
2xOF 134
454530 SAV 100/241/19
C
B
A 10K devient 15K 6.1.77
Rep Nature de la modification Date Visa
Matière Traitement Protection Poids Echelle
Des. par Brossier
Date 9.10.75
Verif par
Quantité
Tolérance
Schéma de principe
Cellule Monirica - Pos. Vu à diodes - Alternateur
Caméra 5008 S Multispeed
N° de modif 275 - 230
BEAULIEU
N° 15766



Rep	Nature de la modification	Date	Viso
A	Mise à jour du cablage	6.1.77	JCF

Matière	Traitement	Protection	Poids	Echelle	
–	–	–	–	–	Dés par : Brossier Date 13.11.75 Verif. par

Quantité –

Toler gén. –

CABLAGE GÉNÉRAL

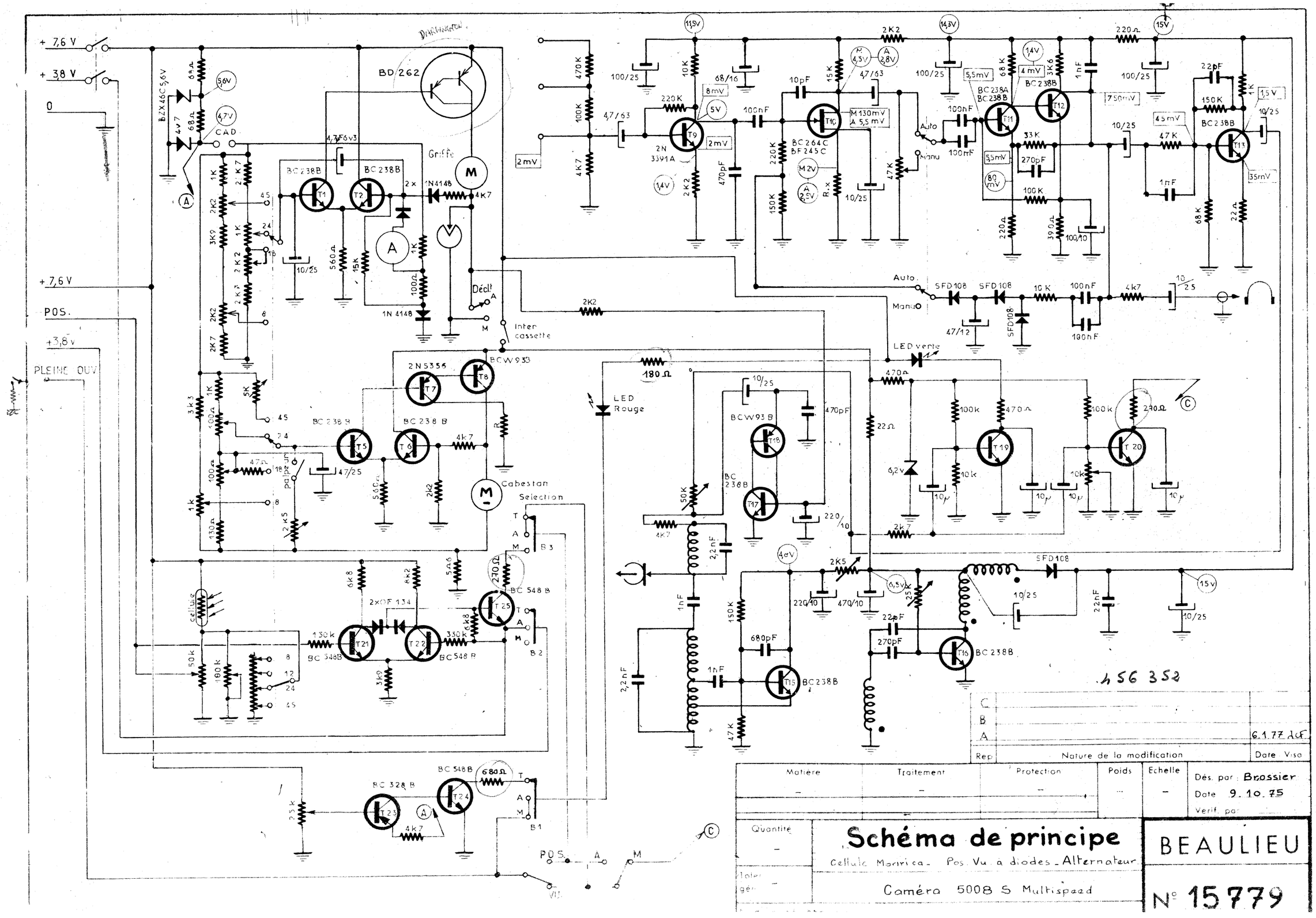
Cellule Moririca. Pos. Vu à diodes - Alternateur

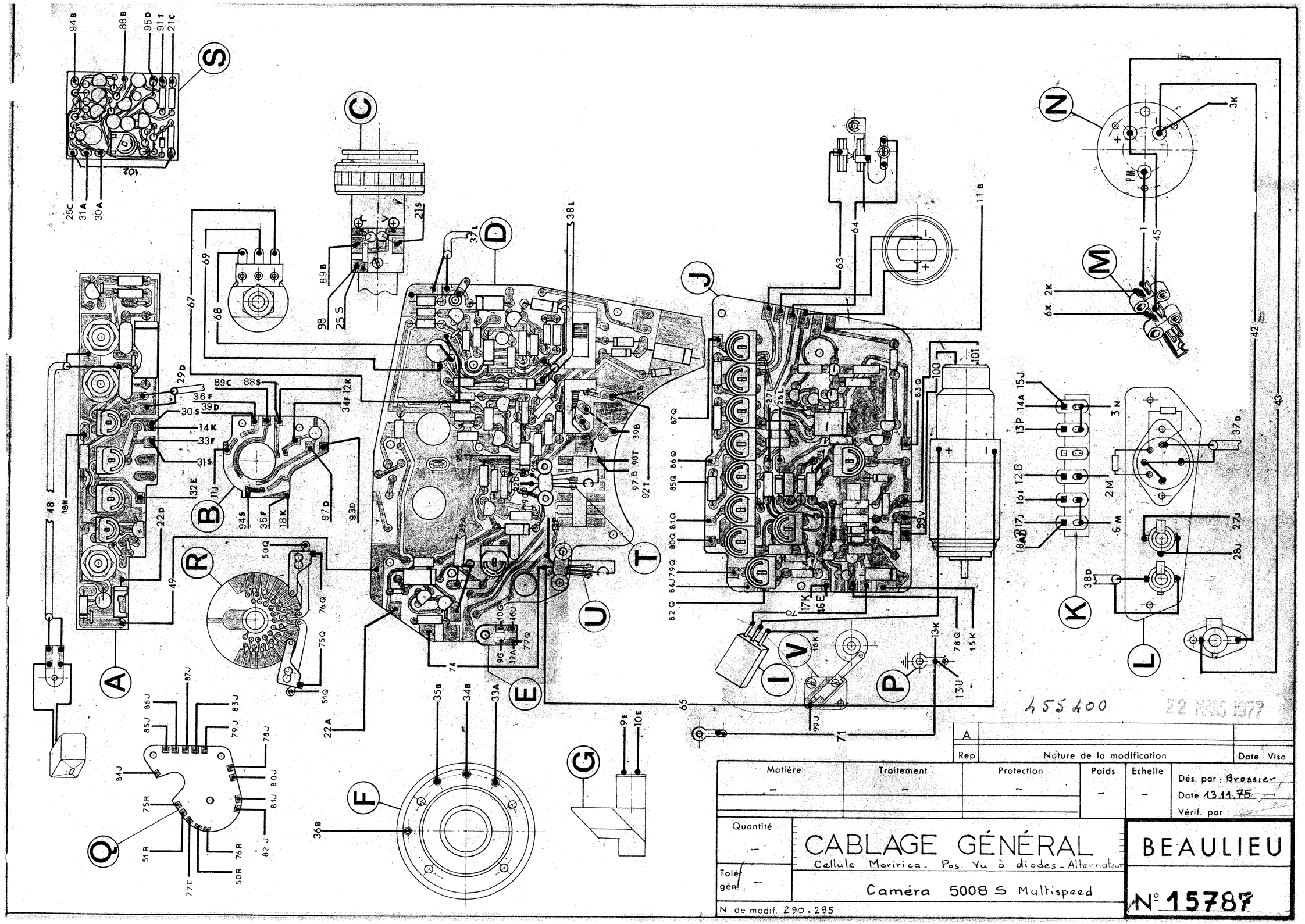
Caméra 5008 S Multispeed

BEAULIEU

N° 15767

N de nomenclat. 290


+ 7,6 V
+ 3,8 V
0
+ 7,6 V
POS.
+ 3,8 V
PLEINE OUV
BD 262
BZX46C 5,6V
CAD
Griffe
Déclt
Inter cassette
Cabestan
Selection
palpeur
cellule
LED Rouge
LED verte
Auto
Manu
BC 238B
BC 238A
BC 264C
BF 245C
2N 3391A
2N 5336
BCW 93
BCW 93 B
BC 548 B
BC 328 B
2xOF 134
SFD 108
456 352
C
B
A
6.1.77
Rep
Nature de la modification
Date
Visa
Matière
Traitement
Protection
Poids
Echelle
Dés. par : Brossier
Date 9.10.75
Verif. par
Quantité
Schéma de principe
Cellule Monrica - Pos. Vu à diodes - Alternateur
Caméra 5008 S Multispeed
BEAULIEU
N° 15779


455400
22 MARS 1977
A
Rep
Nature de la modification
Date Visa
Matière
Traitement
Protection
Poids
Echelle
Dés. par : Brossier
Date 13.11.75
Vérif. par
Quantité
Tolér. gén.
CABLAGE GÉNÉRAL
Cellule Moririca - Pos. Vu à diodes - Alternateur
Caméra 5008 S Multispeed
N de modif. 290.295
BEAULIEU
N° 15787

Nomenclature fils caméra 5008 S multispeed ALTERNATEUR

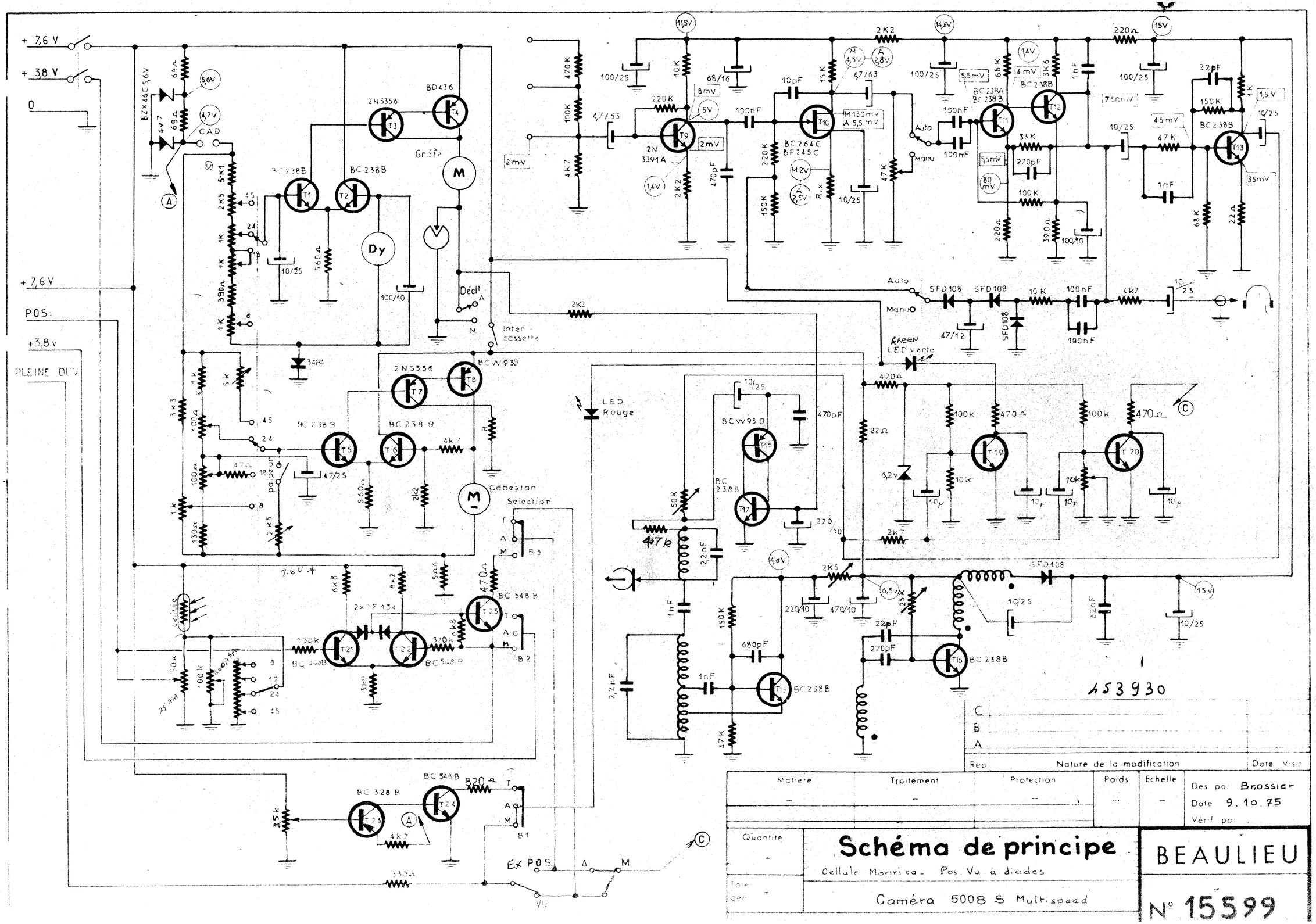
N°	REF.	COULEUR	COLOR	Longueur mm Totale	dénudage	dénudage
1	EPDF	Jaune	Yellow	60	1,6	1,6
2	EPDF	Jaune	Yellow	95	1,6	1,6
3	227 T	Noir	Black	140	3	9
6	227 T	Rouge	Red	95	3	9
9		Cellule	Cell			
10		Cellule	Cell			
11	EPDF	Rouge noir	Red Black	160	1,6	1,6
12	EPDF	Jaune	Yellow	310	1,6	1,6
13	227 T	Noir	Black	260	3	6
14	EPDF	Noir	Black	320	1,6	1,6
15	EPDF	Noir	Black	200	1,6	1,6
16	227 T	Rouge	Red	240	3	3
17	EPDF	Rouge	Red	200	1,6	1,6
18	EPDF	Rouge	Red	310	1,6	1,6
20	EPDF	Rouge blanc	Red White *	SAV 100/24/19		
21	EPDF	Noir Vert	Black Green	65	1,6	1,6
22	EPDF	Noir	Black	60	1,6	1,6
25	EPDF	Rouge	Red	70	1,6	1,6
27	SM 485	Orange	Orange	200	3	3
28	SM 485	bleu	blue *	SAV 100/24/27		
29	PU 102			150	6	6
30	EPDF	Noir	Black	90	1,6	1,6
31	EPDF	Vert	Green	90	1,6	1,6
32	EPDF	Bleu Blanc	Blue White	150	1,6	1,6
33	SM 485	Vert	Green	185	1,6	1,6
34	SM 485	Jaune	Yellow	165	1,6	1,6
35	SM 485	Rouge	Red	100	1,6	1,6
36	SM 485	Bleu	Blue	165	1,6	1,6
37	FM 1R			310	9	9
38	PU 102			310	6	9
39	EPDF	Vert Blanc	Green White	105	1,6	1,6
42	EPDF	Noir	Black	155	1,6	1,6
43	EPDF	Rouge	Red	155	1,6	1,6
45	227 T	Rouge	Red	55	3	3
46	EPDF	Rouge	Red	120	1,6	1,6
47	EPDF	Rouge blanc	Red white *	SAV 100/24/19		
48	PU 102			150	6	6
49	EPDF	Orange	Orange	60	1,6	1,6
50	EPDF	Jaune	Yellow	145	1,6	1,6
51	EPDF	Orange	Orange	115	1,6	1,6
63	EPDF	Vert Blanc	Green White	170	1,6	1,6
64	EPDF	Vert Blanc	Green White	170	1,6	1,6
65	227 T	Jaune	Yellow	95	3	3
67	EPDF	Noir	Black	60	1,6	1,6
68	EPDF	Bleu	Blue	60	1,6	1,6
69	EPDF	Bleu Blanc	Blue White	60	1,6	1,6
70	EPDF	Noir Vert	Black Green	160	1,6	1,6
71	EPDF	Noir	Black	100	1,6	1,6
74	EPDF	Vert ou noir	Green	60	1,6	1,6
75	EPDF	Marron	Brown	115	1,6	1,6
76	EPDF	Vert	Green	145	1,6	1,6
77	EPDF	Blanc Bleu	White Blue	70	1,6	1,6
78	EPDF	Marron	Brown	55	1,6	1,6
79	EPDF	Blanc Rouge	White Red	40	1,6	1,6
80	EPDF	Blanc Bleu	White Blue	55	1,6	1,6
81	EPDF	Vert Blanc	Green White	65	1,6	1,6
82	EPDF	Blanc Noir	White Black	40	1,6	1,6
83	EPDF	Noir Vert	Black Green	155	1,6	1,6
84	EPDF	Vert	Green	35	1,6	1,6
85	EPDF	Jaune	Yellow	45	1,6	1,6

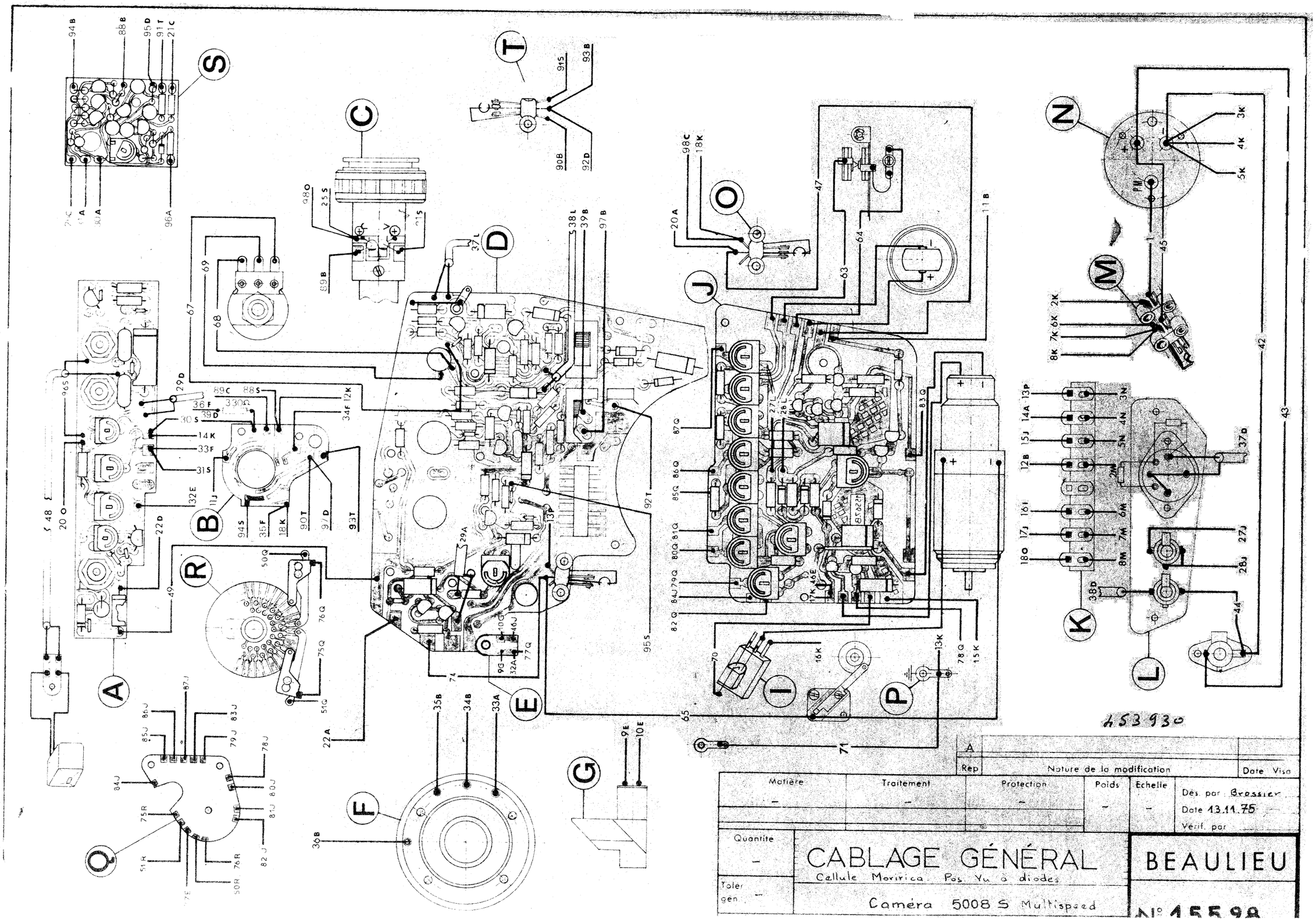
N°	REF.	COULEUR	COLOR	Longueur mm Totale	dénudage	dénudage
86	EPDF	Marron	Brown	55	1,6	1,6
87	EPDF	Orange	Orange	95	1,6	1,6
88	EPDF	Jaune	Yellow	80	1,6	1,6
89	EPDF	Rouge - Blanc	Red - White	45	1,6	1,6
90	EPDF	Marron	Brown	45	1,6	1,6
91	EPDF	Bleu	Blue	155	1,6	1,6
92	EPDF	Orange	Orange	70	1,6	1,6
93	EPDF	Orange	Orange	90	1,6	1,6
94	EPDF	Blanc - Noir	White - Black	135	1,6	1,6
95	EPDF	Blanc - Bleu	White - Blue	150	1,6	1,6
96	EPDF	Rouge blanc	Red white *	SAV 100/24/19		
97	EPDF	Marron	Brown	85	1,6	1,6
98	EPDF	Rouge	Red	80	1,6	1,6
99	EPDF	Jaune	Yellow	85	1,6	1,6
100	EPDF	Blanc - Bleu	White - Blue	85	1,6	1,6
101	EPDF	Blanc - Bleu	White - Blue	85	1,6	1,6
102	EPDF	Rouge	Red (1)	35	1,6	1,6
103	EPDF	Rouge	Red (2)	35	1,6	1,6
104	EPDF	Noir	Black (2)	70	1,6	1,6

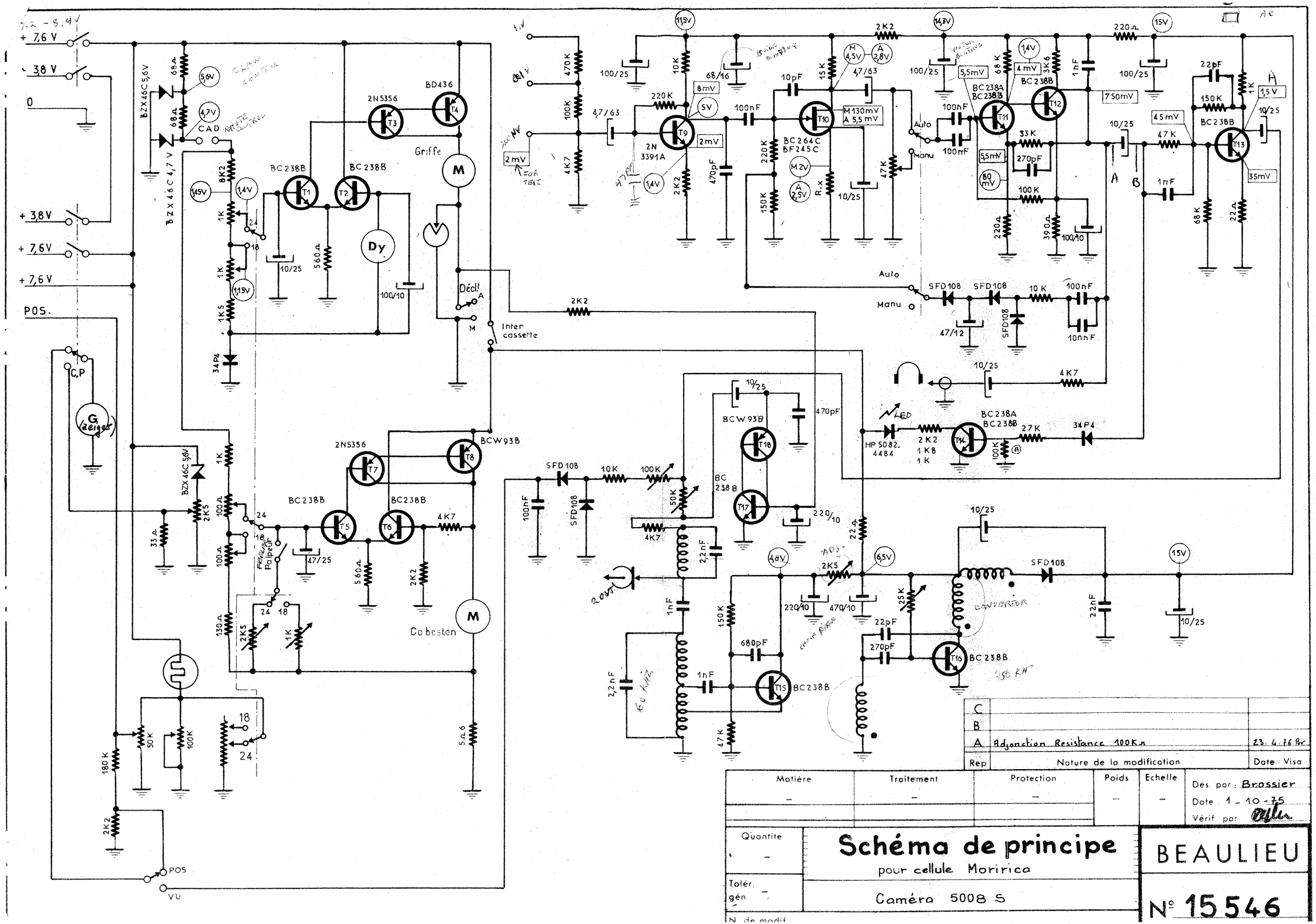
(2) SAV 100/24/27

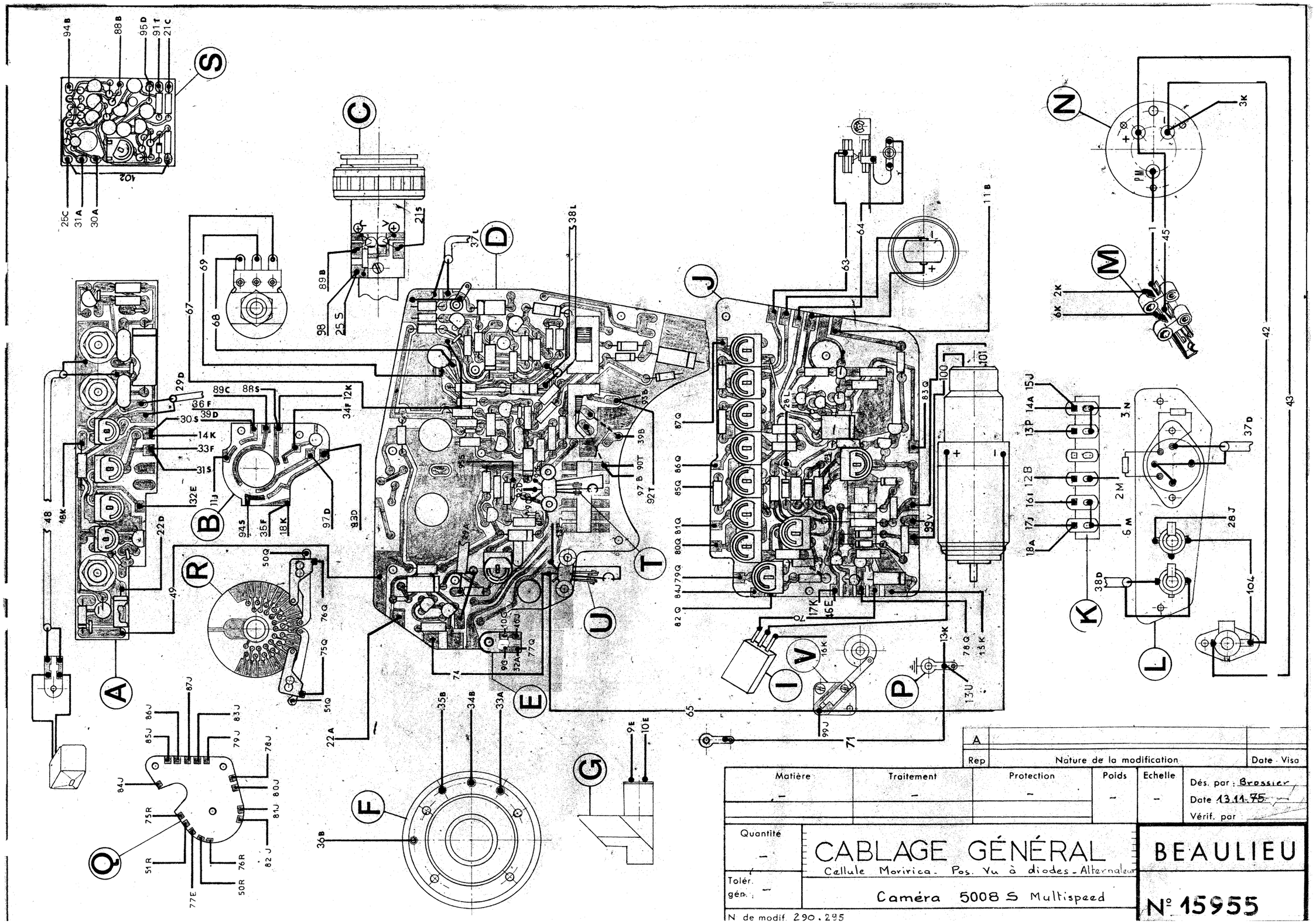
(1) SAV 100/24/19

* ANNULER - CANCEL


+ 7,6 V
+ 3,8 V
0
+ 7,6 V
POS.
+3,8 v
PLEINE OUV
BZX 46C 5,6V
5,6V
4,7V
CAD
BD436
2N5356
Gr.ffe
M
BC 238B
Dy
Décl
Inter cassette
34P4
BCW 93B
LED Rouge
Cabestan
Selection
Jupiter
BC 548 B
BC 328 B
820 Ω
Ex POS.
VU
2N 3391A
BC 264C
BF 245C
SFD 108
LED verte
Auto
Manu
BC 238A
BC 238B
7,50mV
45mV
35mV
453930
Schéma de principe
Cellule Monirica - Pos. Vu à diodes
Caméra 5008 S Multispeed
BEAULIEU
N° 15599
Des par Brossier
Date 9.10.75
Vérif par
Matière
Traitement
Protection
Poids
Echelle
Quantité
Nature de la modification
Date
Visa


A
B
C
D
E
F
G
I
J
K
L
M
N
O
P
Q
R
S
T
453930
A
Rep
Nature de la modification
Date
Visa
Matière
Traitement
Protection
Poids
Echelle
Dés. par Bressier
Date 13.11.75
Vérif. par
Quantité
Toler. gén.
CABLAGE GÉNÉRAL
Cellule Moririca. Pos. Vu à diodes
Caméra 5008 S Multispeed
BEAULIEU
N° 45598


+ 7,6 V
+ 3,8 V
0
+ 3,8V
+ 7,6V
+ 7,6V
POS.
C.P
G (zeiger)
BZX 46C 5,6V
BZX 46C 4,7 V
CAD
BC 238B
BC 238B
2N5356
BD436
Griffe
M
Dy
Déclt
Inter cassette
2N 3391A
BC 264C
BF 245C
BC 238A
BC 238B
Auto
Manu
SFD108
HP 5082. 4484
LED
BCW 93B
BC 238B
Rouge
Cabestan
Palpeur
POS
VU
CONVERTOR
450 KHz
60 KHz
Adjonction Resistance 100 Kω
23. 4. 76 Br
Rep
Nature de la modification
Date
Visa
Matière
Traitement
Protection
Poids
Echelle
Dés. par : Brossier
Date 1 - 10 - 75
Vérif. par
Quantité
Tolér. gén
Schéma de principe
pour cellule Moririca
Caméra 5008 S
BEAULIEU
N° 15546



Rep	Nature de la modification	Date	Visa
A			

Matière	Traitement	Protection	Poids	Echelle	
–	–	–	–	–	Dés. par : Bressier Date 13.11.75 Vérif. par

Quantité –

Tolér. gén. –

CABLAGE GÉNÉRAL

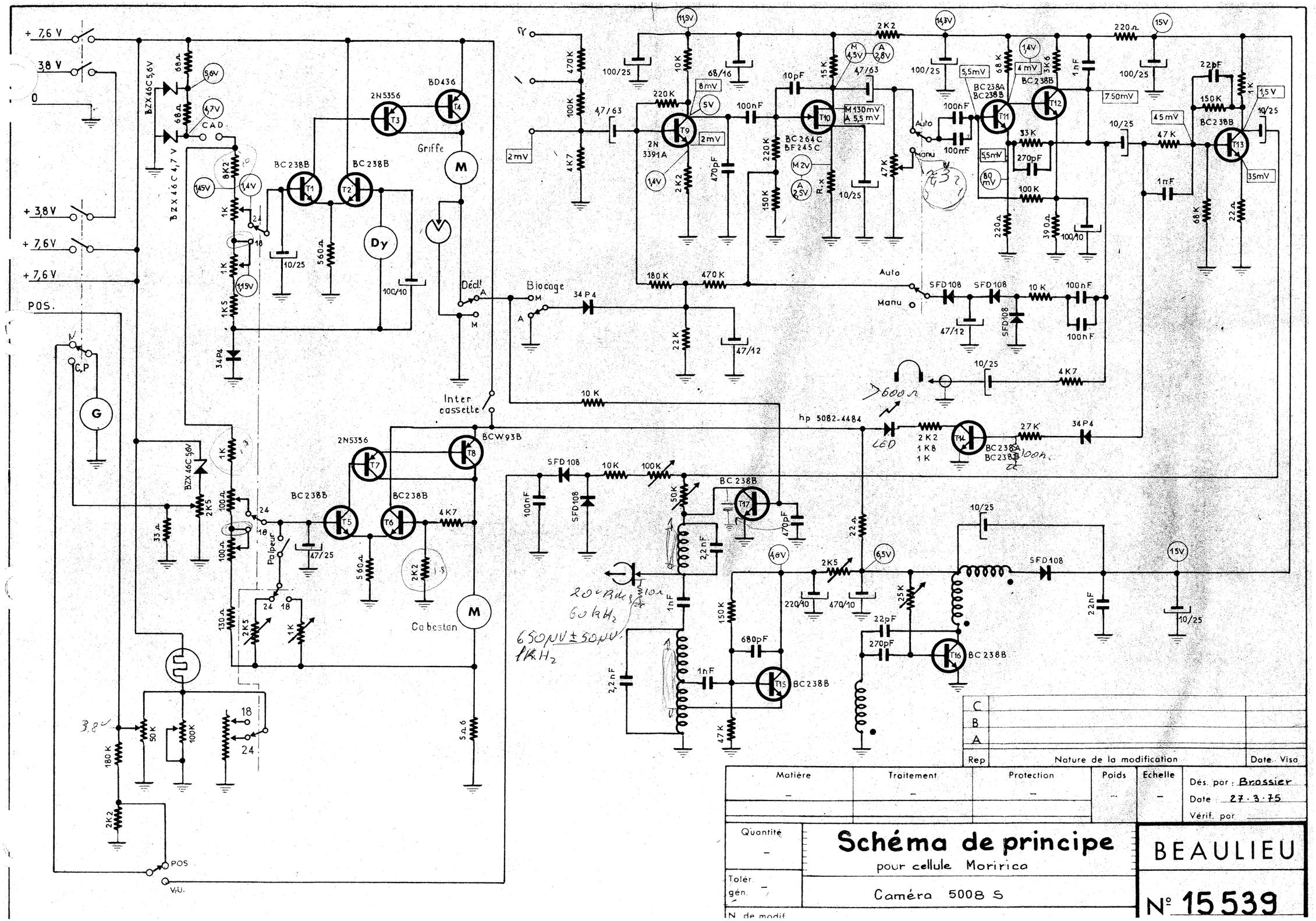
Cellule Movirica - Pos. Vu à diodes - Alternateur

Caméra 5008 S Multispeed

BEAULIEU

N° 15955

N de modif. 290.295



Rep	Nature de la modification	Date	Visa
C			
B			
A			

Matière	Traitement	Protection	Poids	Echelle	
–	–	–	–	–	Dés. par : Brossier
					Date : 27·3·75
					Vérif. par

Quantité –

Tolér. gén. –

N. de modif.

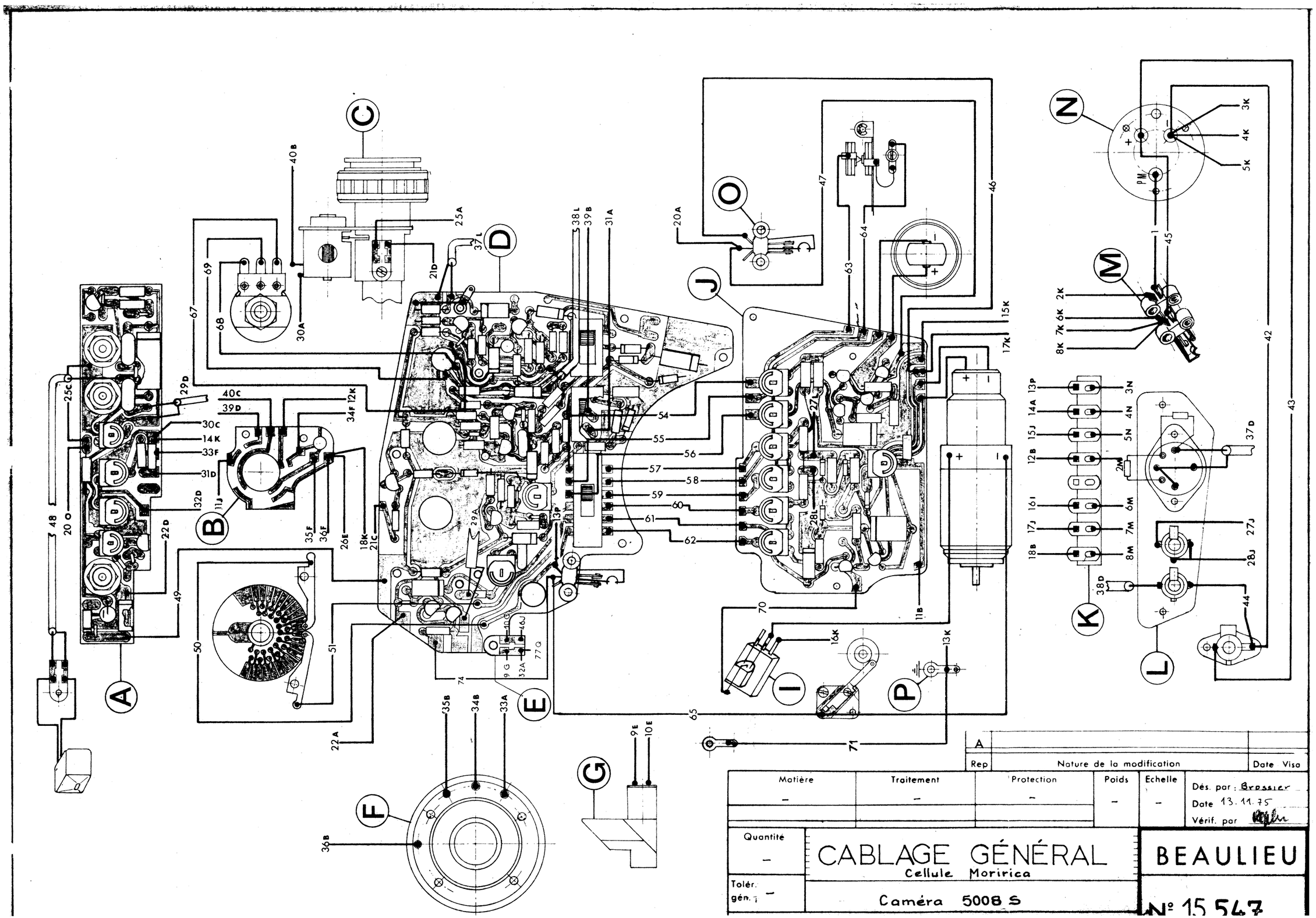
Schéma de principe

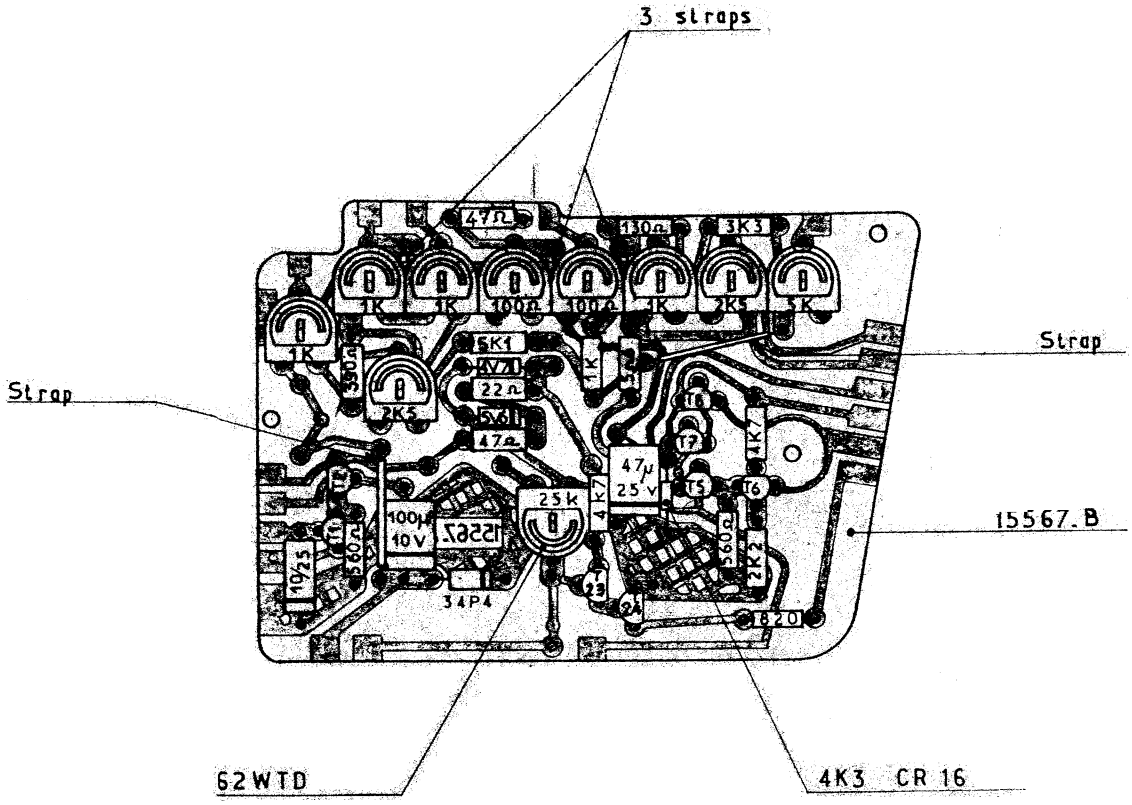
pour cellule Moririca

Caméra 5008 S

BEAULIEU

N° 15539


A
B
C
D
E
F
G
I
J
K
L
M
N
O
P
PM
A
Rep
Nature de la modification
Date
Visa
Matière
Traitement
Protection
Poids
Echelle
Dés. par : Bressier
Date 13.11.75
Vérif. par
Quantité
Tolér. gén.
CABLAGE GÉNÉRAL
Cellule Moririca
Caméra 5008 S
BEAULIEU
N° 15 547



Toutes les autres resistances ajustables : 62 W TDK

Les diodes Zener 4V7 et 5V6 : Réf BZX 79C

T1 ; T2 ; T5 ; T6 ; T24 : BC 548 B

T8 ; : BCW 93

T7 ; T23 : BC 328 B

453930 SAV 100/24/14

Rep	Nature de la modification	Date	Visa
C			
B			
A			

Matière	Traitement	Protection	Poids	Echelle	
			—	1	Dés. par : Fourneau Date : 24.9.75 Vérif. par

Quant. par appareil : 1

Tolér. gén.° : —

N° de modif.

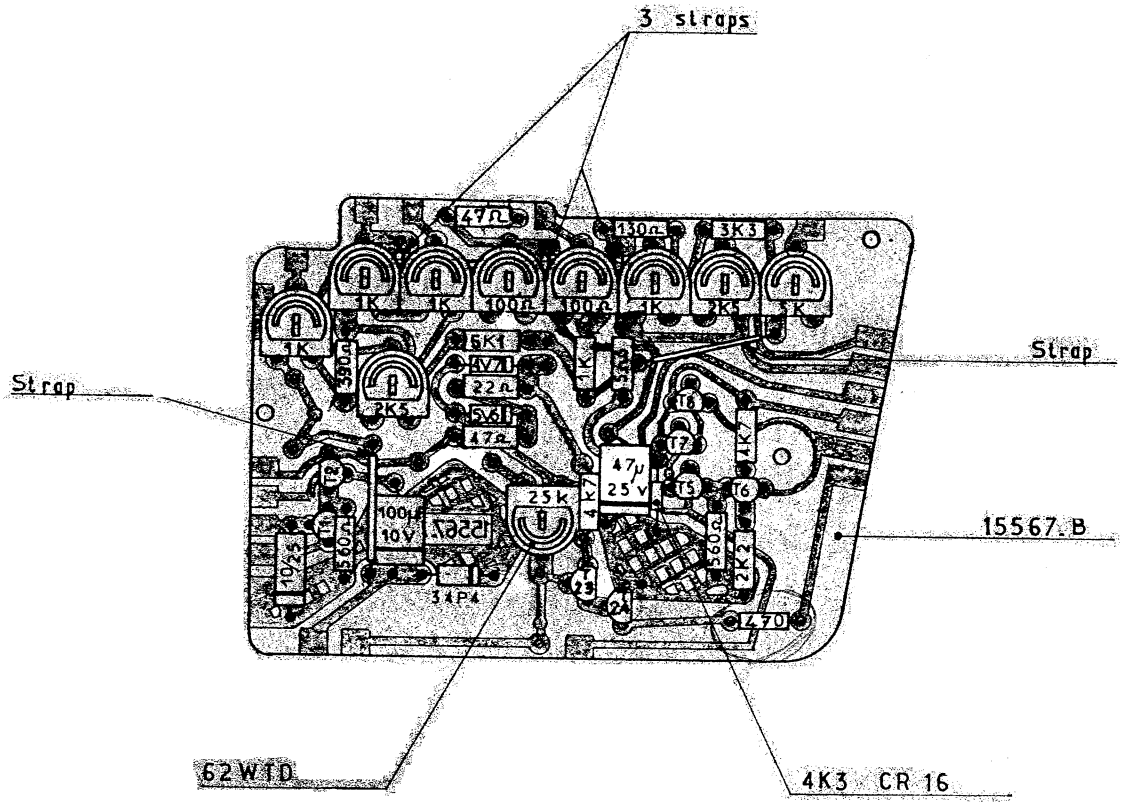
Circuit régulation

monté

Caméra 5008 multispeed Vu. pos. à diodes

BEAULIEU

N° MP 15648



Toutes les autres resistances ajustables : 62 W TDK

Les diodes Zener 4V7 et 5V6 ; Réf BZX 79C

T1 ; T2 ; T5 ; T6 ; T24 : BC 548 B

T8 ; : BCW 93

T7 ; T23 : BC 328 B

d 54 126

Rep	Nature de la modification	Date	Visa
C			
B			
A			

Matière	Traitement	Protection	Poids	Echelle
—	—	—	—	1

Dés. par : Fourneau
Date : 24 9 75
Vérif. par :

Quant. par appareil : 1

Tolér. gén.le : —

N° de modif.

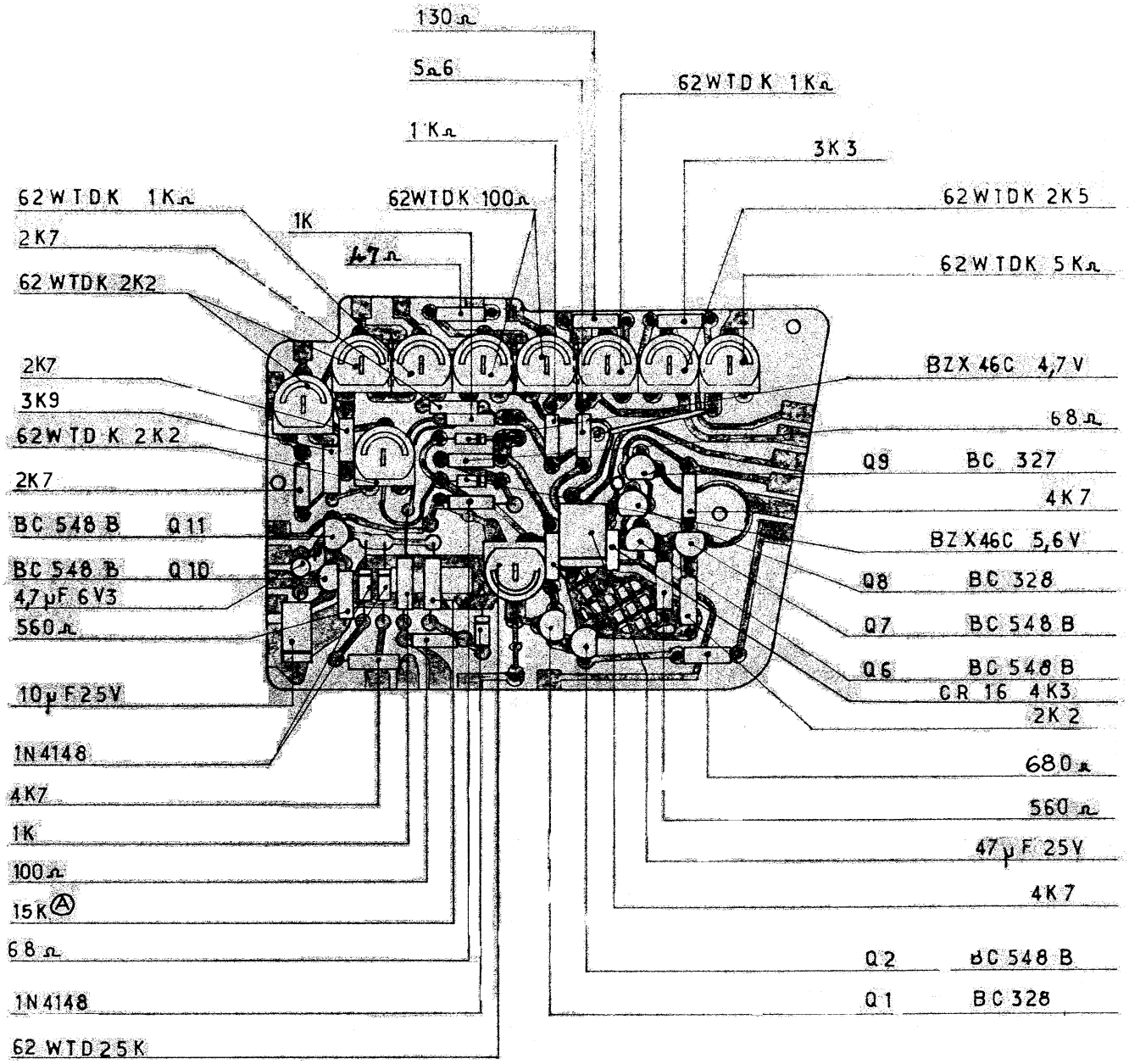
Circuit régulation

monté

Caméra 5008 multispeed Vu. pos. à diodes

BEAULIEU

N° MP 15772

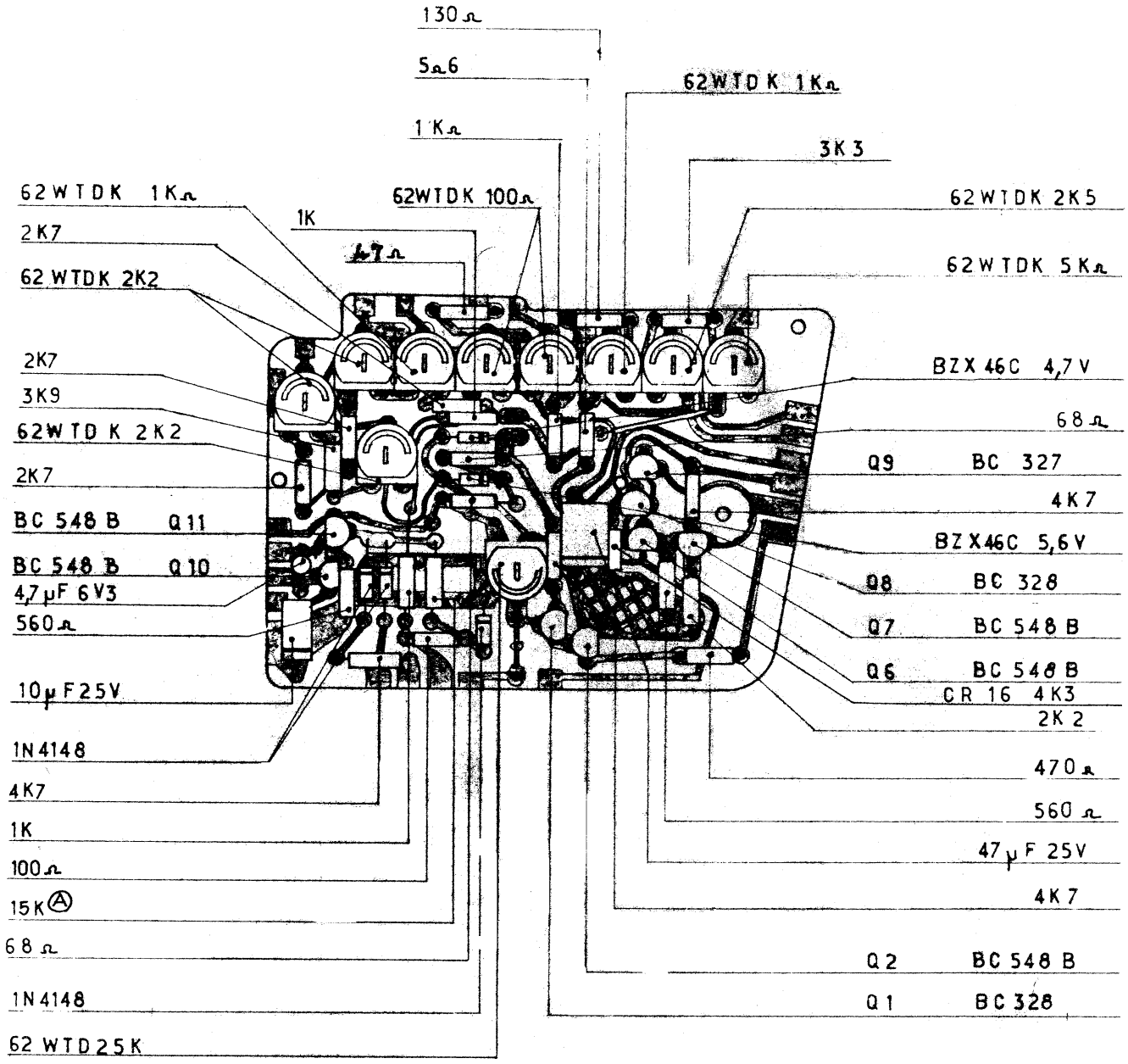


456 35 e

C B A	Rep	Nature de la modification	Date	Visa

Matière	Traitement	Protection	Poids	Echelle	
–	–	–	–	1	Dés par : Brossier Date : 16 2 79 Vérif. par :

Quant. par appareil 1	**Circuit régulation** monté Caméra 5008 S multispeed Alternateur	BEAULIEU
Toler gén. –		N° MP 15788
N° de modif.		



454530

Rep	Nature de la modification	Date	Visa
C			
B			
A	10 K devient 15K	5.1.77	

Matière	Traitement	Protection	Poids	Echelle	
–	–	–	–	1	Dés par Brossier Date 16 2 79 Vérif. par

Quant. par appareil 1

Toler gen. –

Circuit régulation

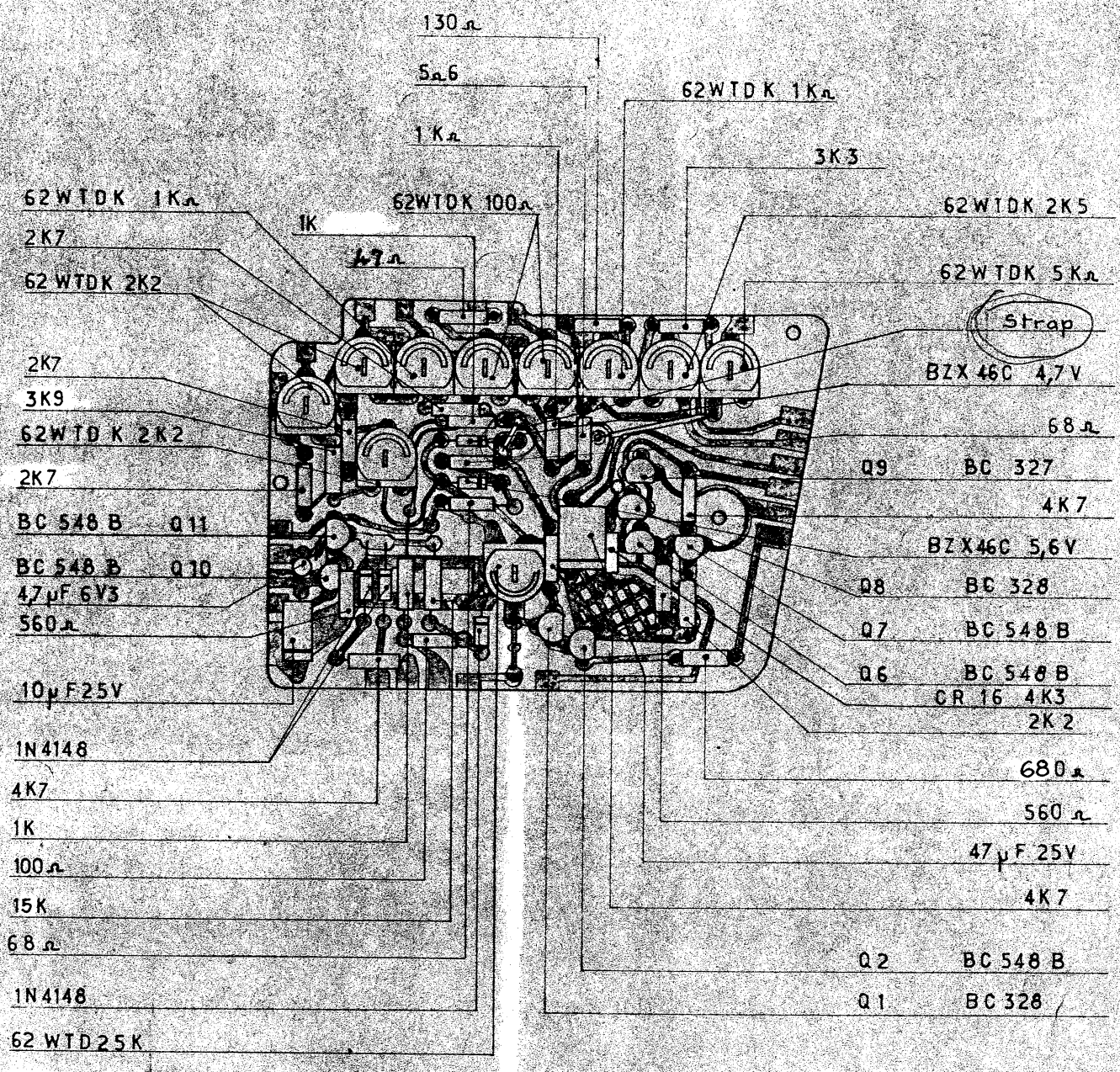
monté

Camera 5008 S multispeed Alternateur

N° 290

BEAULIEU

N° MP 15776



C			
B			
A			
Rep	Nature de la modification		Date Visa

Matière	Traitement	Protection	Poids	Echelle	
—	—	—	—	1	Dés par Brossier Date 16 2 70 Vérif par

Quant. par appareil 1

Toler gen —

N° de modif

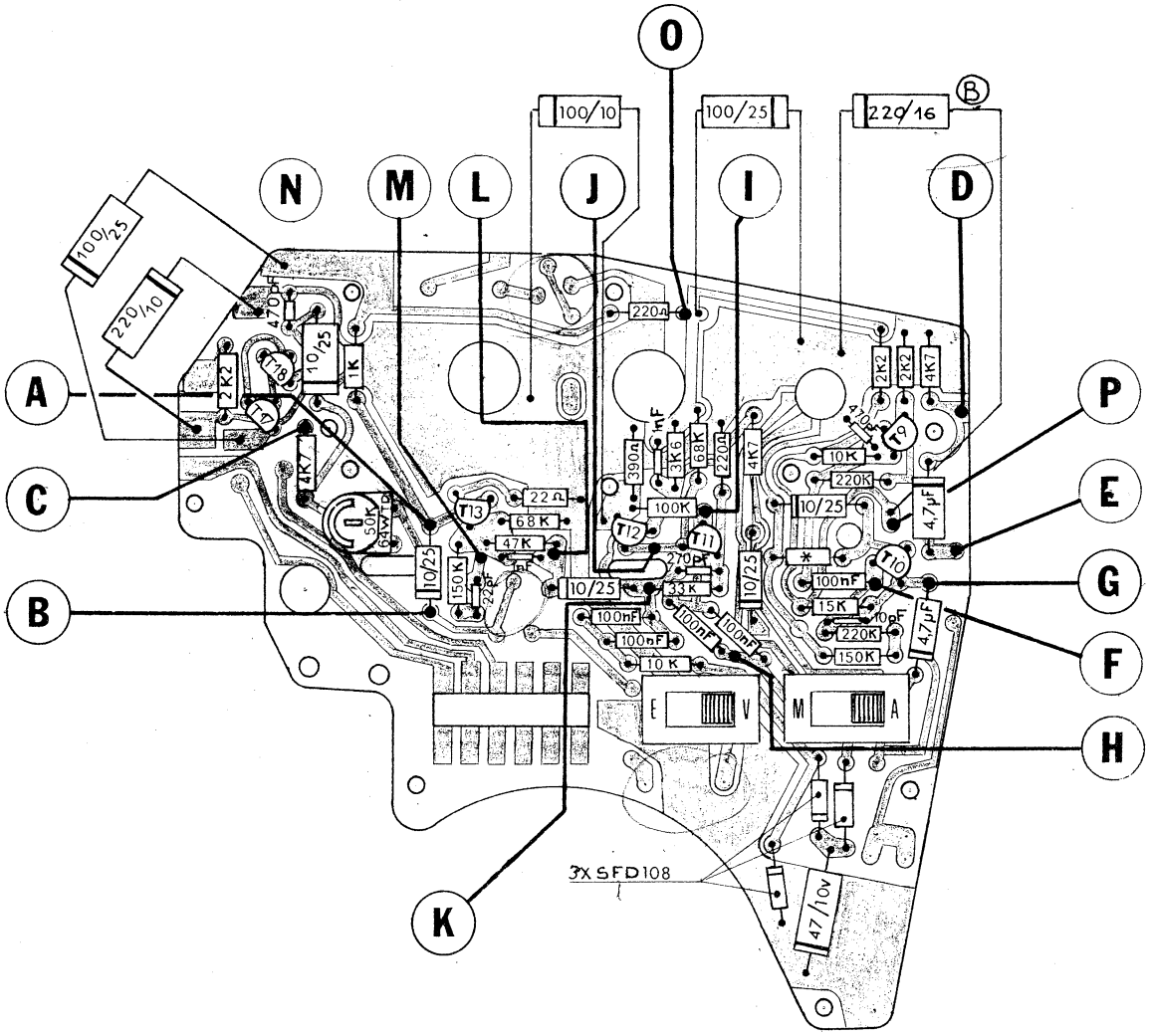
Circuit régulation

monté

Camera 5008 S multispeed Alternateur

BEAULIEU

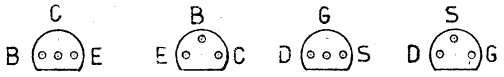
N° MP 15950



T10 / Couleur	BC 264 C	BF 245 C
JAUNE	* 3,9K	* 8,2K
VERT	* 4,3K	* 9,1K
ROUGE	* 4,7K	* 10K
BLANC	* 5,1K	* 12K
BLEU	* 5,6K	* 13K
ORANGE		* 15K

T9 : 2N 3391A
T11 : PBC 183B ou BC 238A ou B
T12 : PBC 183B ou BC 238B
T13 : PBC 183B ou BC 238A ou B
T14 : PBC 183B ou BC 238A ou B
T17 BC 238 A ou B
T18 BCW 93 B

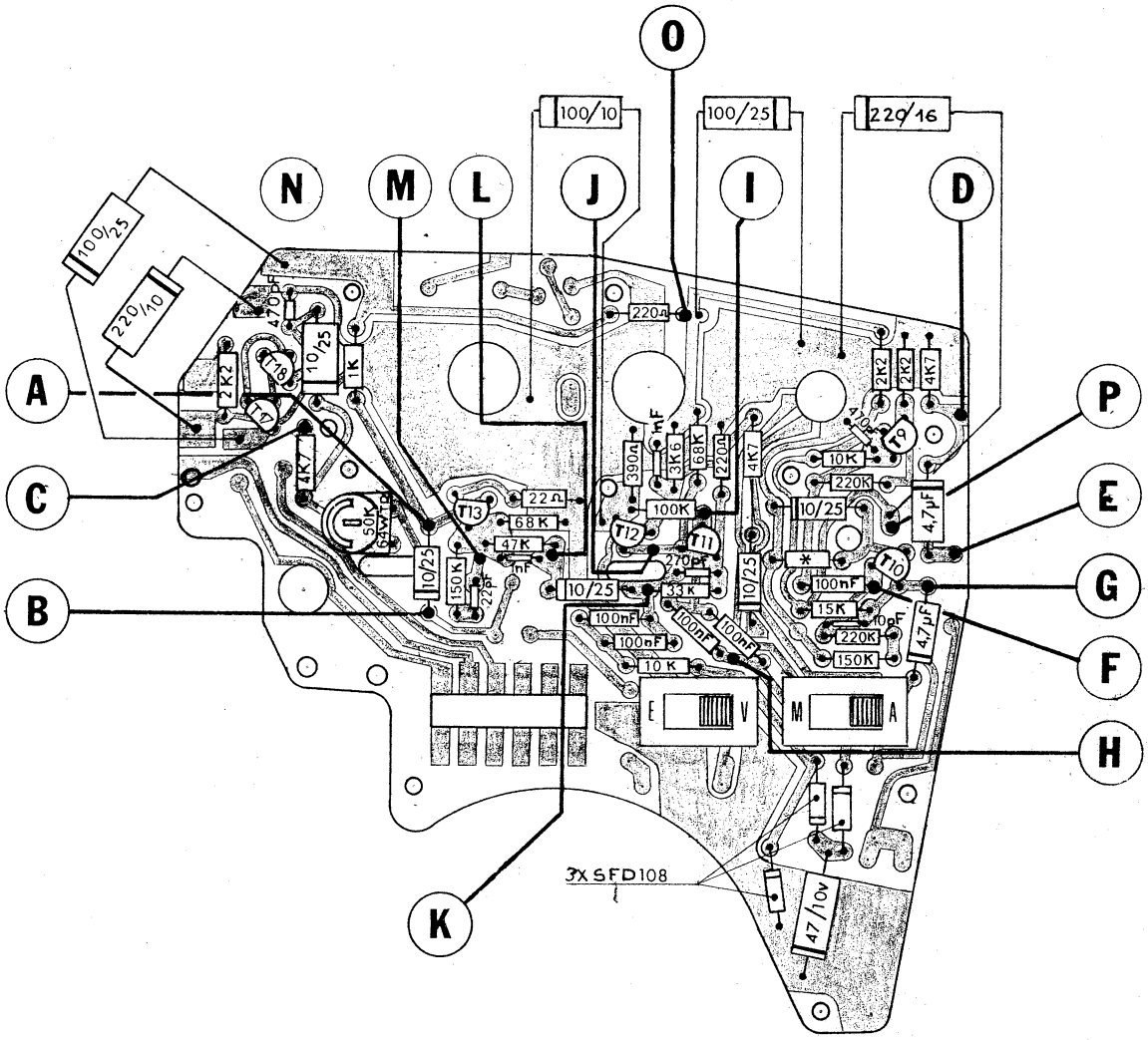
153 930



Rep	Nature de la modification	Date Visa
C		
B		
A	68µF/16v. 100µF/25v remplacés par 220µF 16v	8.11.76. dcf

Matière	Traitement	Protection	Poids	Echelle	
—	—	—	—	1	Dés. par : Fourneau Date : 13.11.75 Vérif. par :

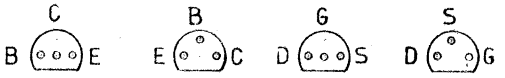
Quant. par appareil 1	**Circuit ampli** monté	BEAULIEU
Tolér. gén.le —	CAMÉRA 5008 S Multispeed	N° MP 15647
N° de modif.		



T10 / Couleur	BC 264 C	BF 245 C
JAUNE	* 3,9K	* 8,2K
VERT	* 4,3K	* 9,1 K
ROUGE	* 4,7K	* 10 K
BLANC	* 5,1 K	* 12K
BLEU	* 5,6K	* 13K
ORANGE		* 15 K

T9 : 2N 3391 A
T11 : PBC 183B ou BC 238A ou B
T12 : PBC 183B ou BC 238 B
T13 : PBC 183B ou BC 238A ou B
T14 : PBC 183B ou BC 238A ou B
T17 BC 238 A ou B
T18 BCW 93 B

hS6734



2N3391A PBC183B | BC238A BC238B | 2N3819 | BC264C BF245C

Rep	Nature de la modification	Date	Visa
C			
B			
A			

Matière	Traitement	Protection	Poids	Echelle	
–	–	–	–	1	Dés. par : Fourneau Date : 13.11.75 Vérif. par

Quant. par appareil 1

Tolér. gén.ᵗ –

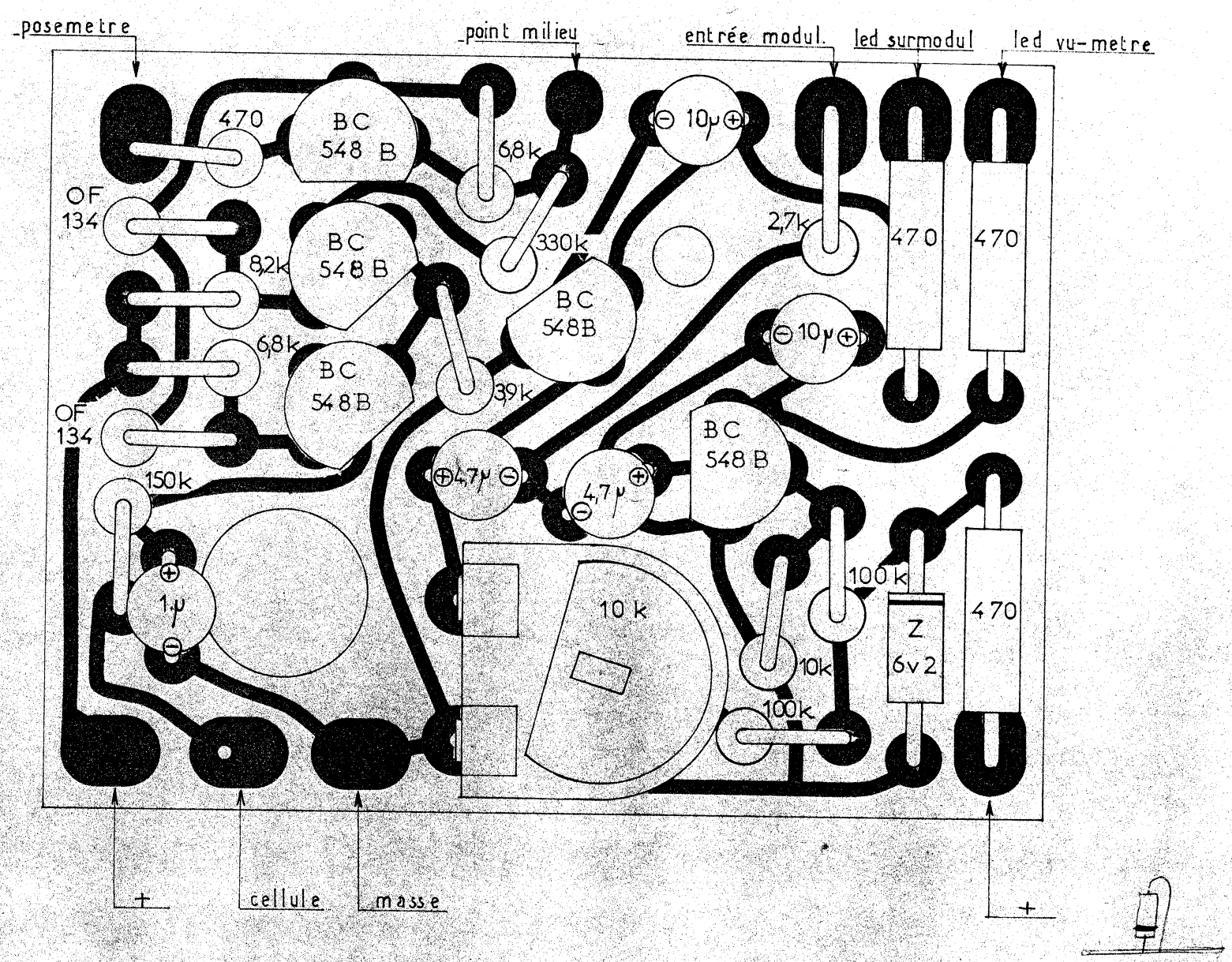
N° de modif.

Circuit ampli
monté

CAMÉRA 5008 S Multispeed

BEAULIEU

N° MP 15785



NB: Les diodes OF 134 sont branchées trait de repérage vers le circuit.

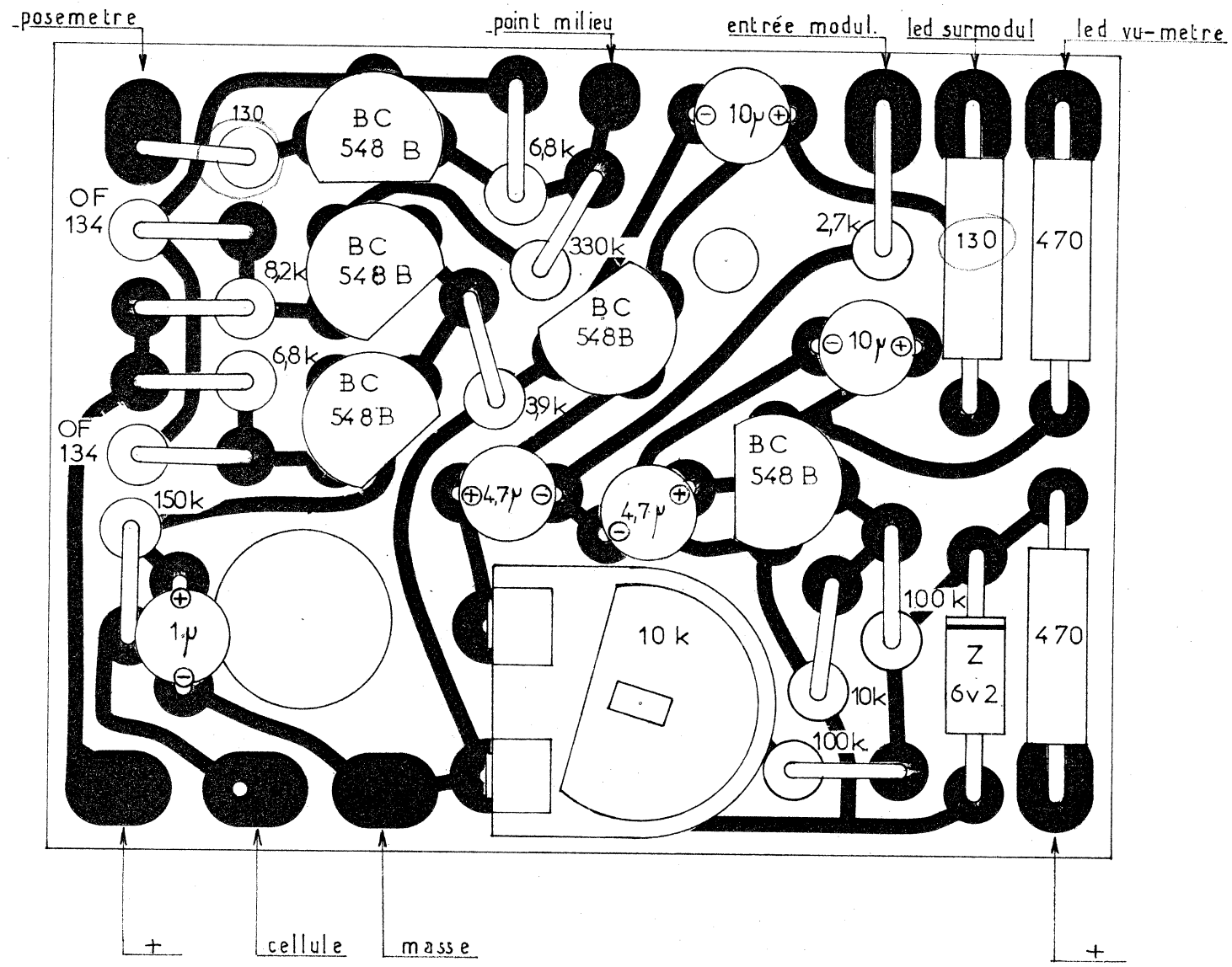
153930

IMPLANTATION DES COMPOSANTS
CIRCUIT POSEMETRE ET VUMETRE A LED
CAMERA

BEAULIEU

N° MP 15638

ech: 5
des.par: Vacher JF
date: 16.7.76
verif:



NB : Les diodes OF 134 sont branchées trait de repèrage vers le circuit.

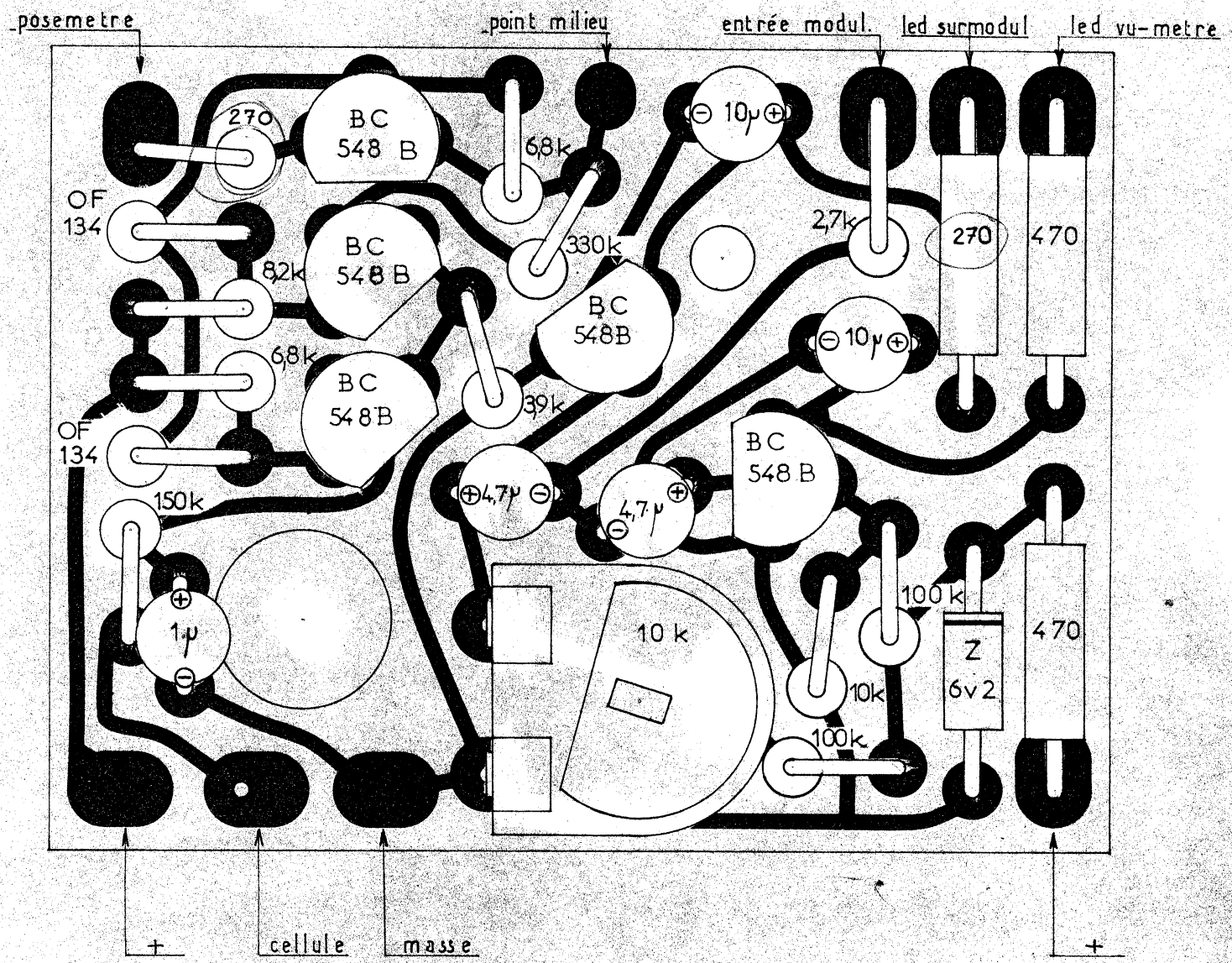
IMPLANTATION DES COMPOSANTS
CIRCUIT POSEMETRE ET VUMETRE A LED
CAMERA

BEAULIEU

N° MP 15773

ech : 5
des.par : Vacher JF
date : 16.7.76
verif :

154 126



NB: Les diodes OF 134 sont branchées trait de repèrage vers le circuit.

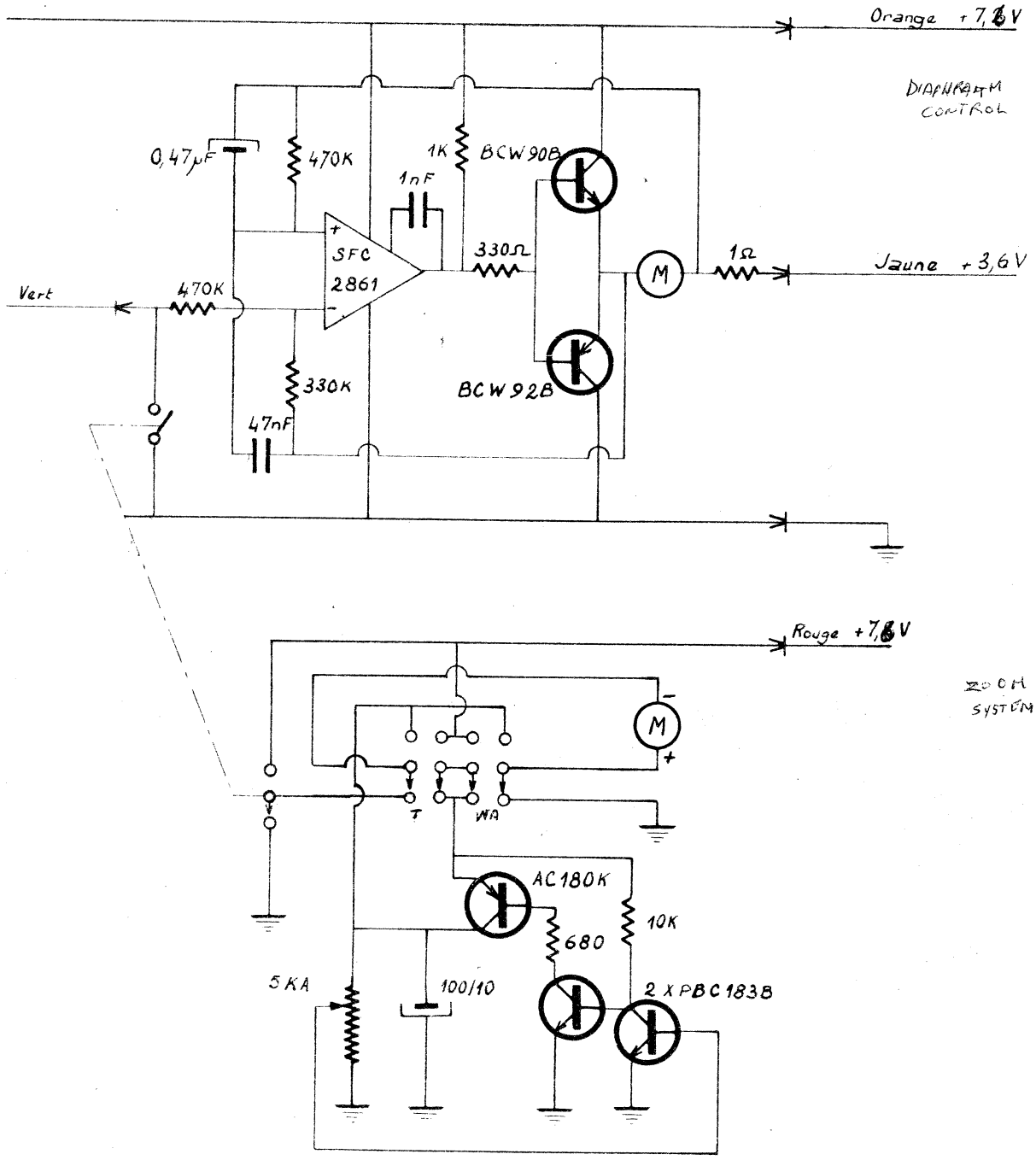
1563524

IMPLANTATION DES COMPOSANTS
CIRCUIT POSEMETRE ET VUMETRE A LED
CAMERA

BEAULIEU

N° MP 15789

ech: 5
des.par: Vacher JF
date: 16.7.76
verif:



C B A	Rep	Nature de la modification	Date	Visa

Matière	Traitement	Protection	Poids	Echelle	
–	–	–	–	–	Dés par : ROGER Date : 4.4.74 Vérif. par

Quant. par appareil : 1

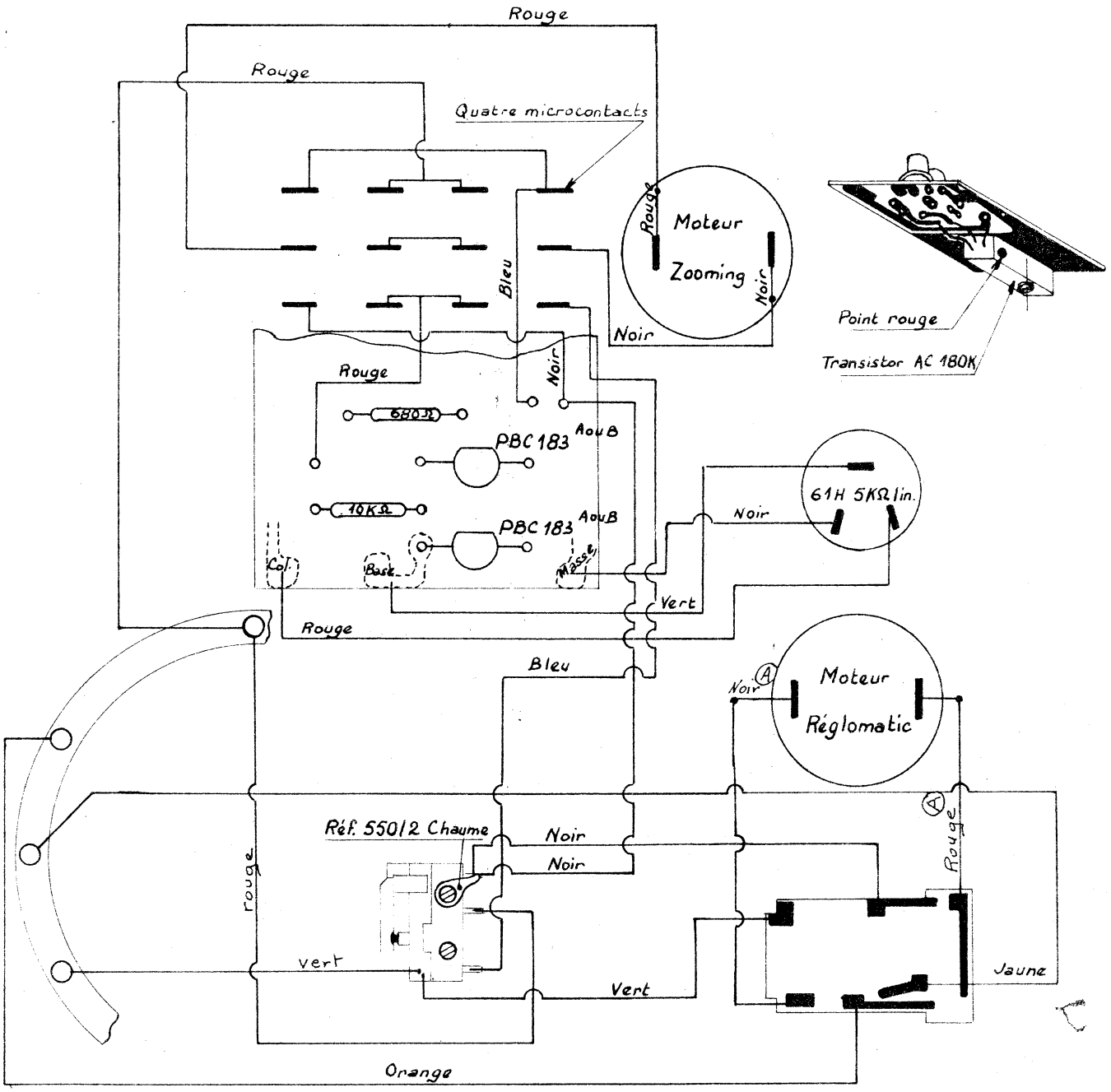
Toler. gén. : –

Schéma de principe

Caméra 5008 S

BEAULIEU

N° 15627



h

Rep	Nature de la modification	Date	Visa
C			
B			
A	Inversion des couleurs de fils.	25.10.74.	dUF

Matière	Traitement	Protection	Poids	Echelle	
-	-	-	-	-	Dés. par : ROGER Date : 1.4.74 Vérif. par

Quant. par appareil : 1

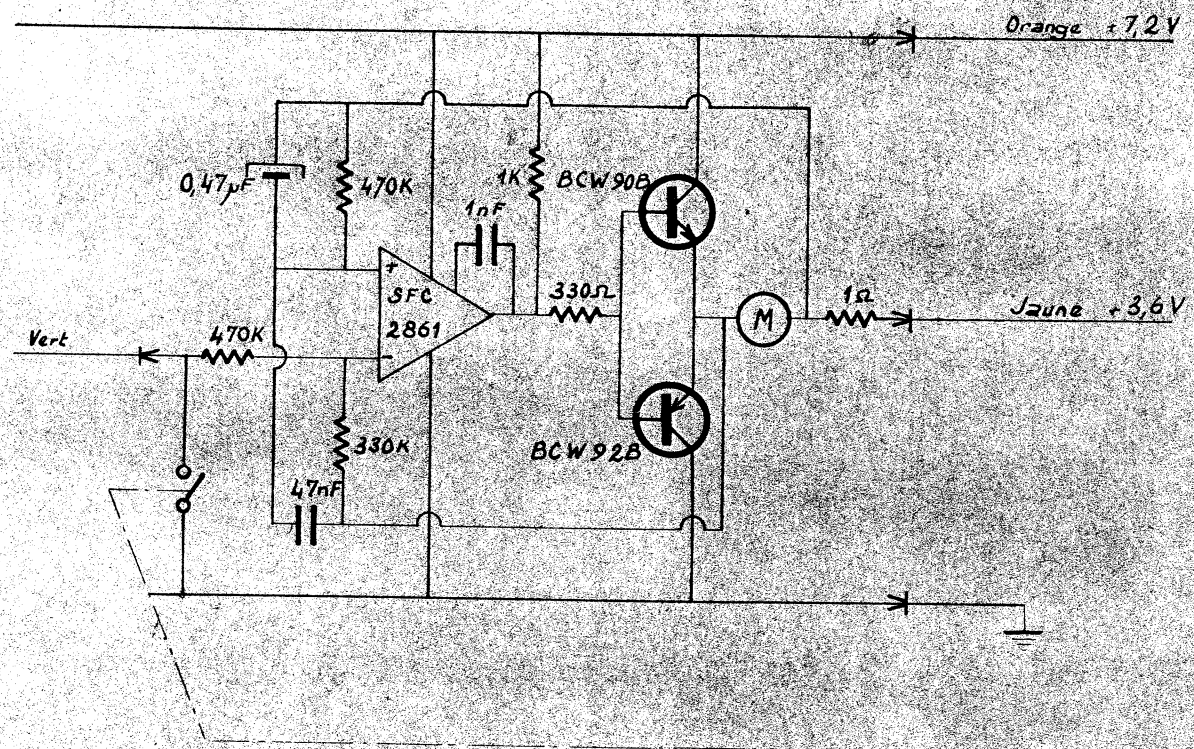
Toler gen : -

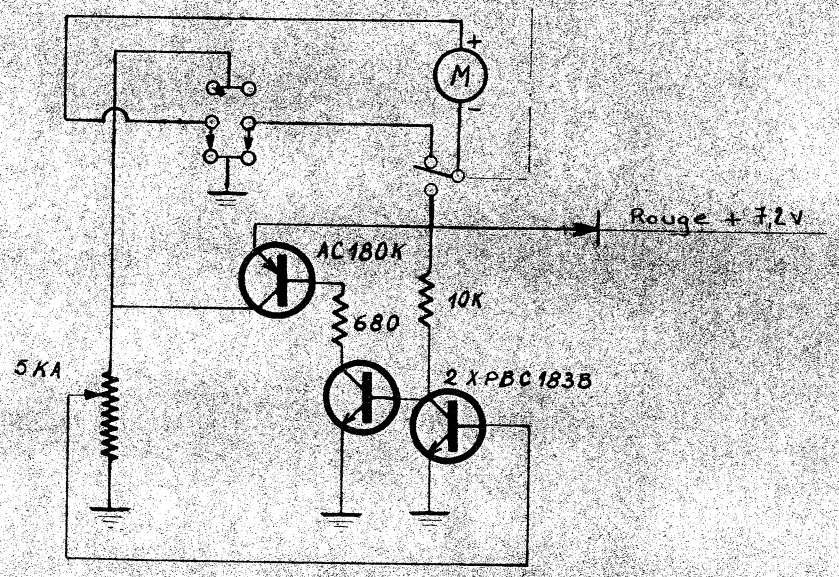
Schéma de cablage

Caméra 5008 S

BEAULIEU

N° 15628





Rep	Nature de la modification	Date	Visa
C			
B			
A			

Matière	Traitement	Protection	Poids	Echelle	
–	–	–	–	–	Dés. par : ROGER Date : 1.4.74 Vérif. par

Quant. par appareil 1

Toler. gén. –

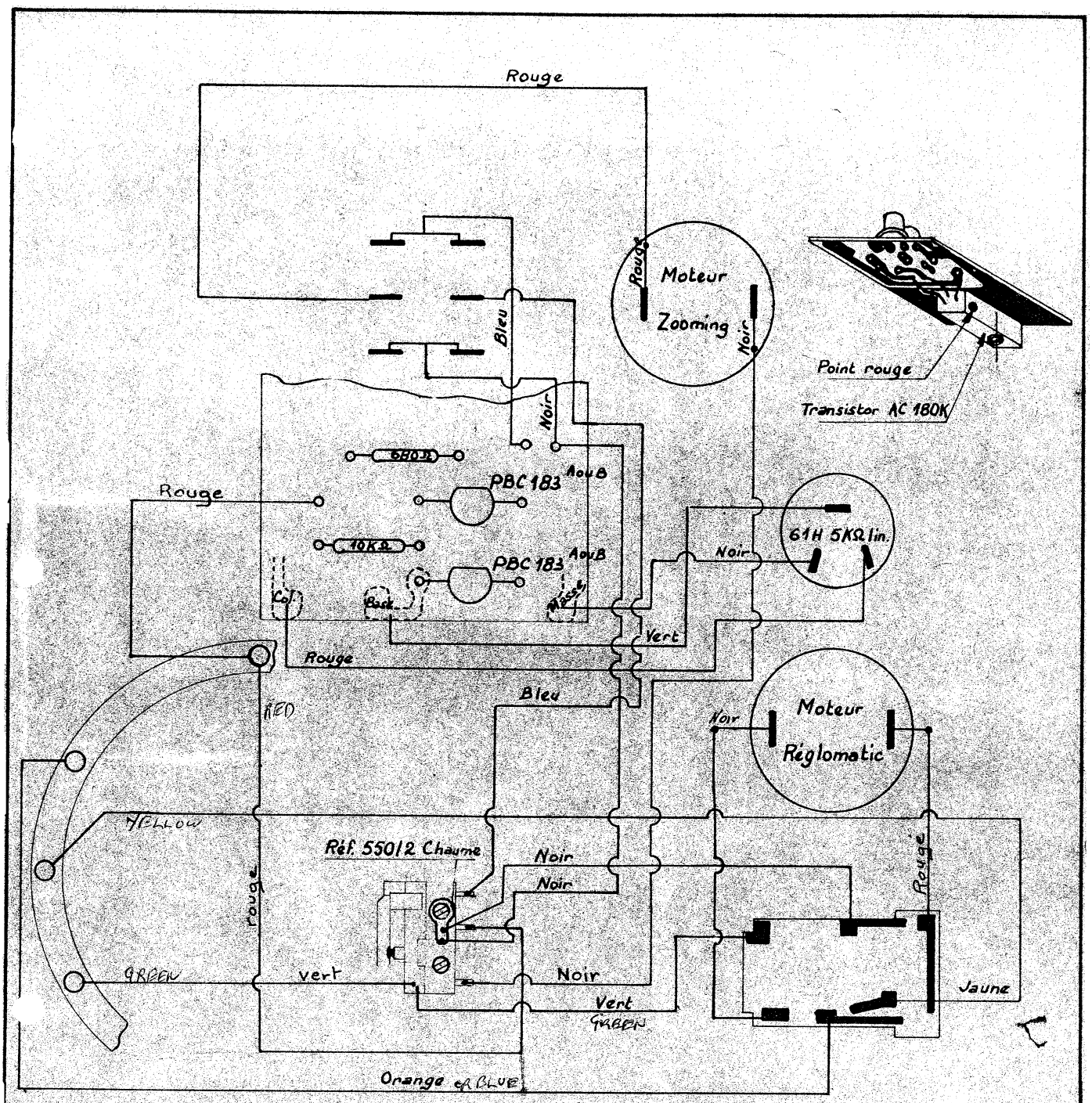
N° de modif.

Schéma de principe

Caméra 5008 S

BEAULIEU

N° 15632



Rep	Nature de la modification	Date	Visa
C			
B			
A			

Matière	Traitement	Protection	Poids	Echelle	
-	-	-	-	-	Dés. par : ROGER Date : 1.4.74 Vérif. par

Quant. par appareil 1

Tolér. gén. -

N° de modif.

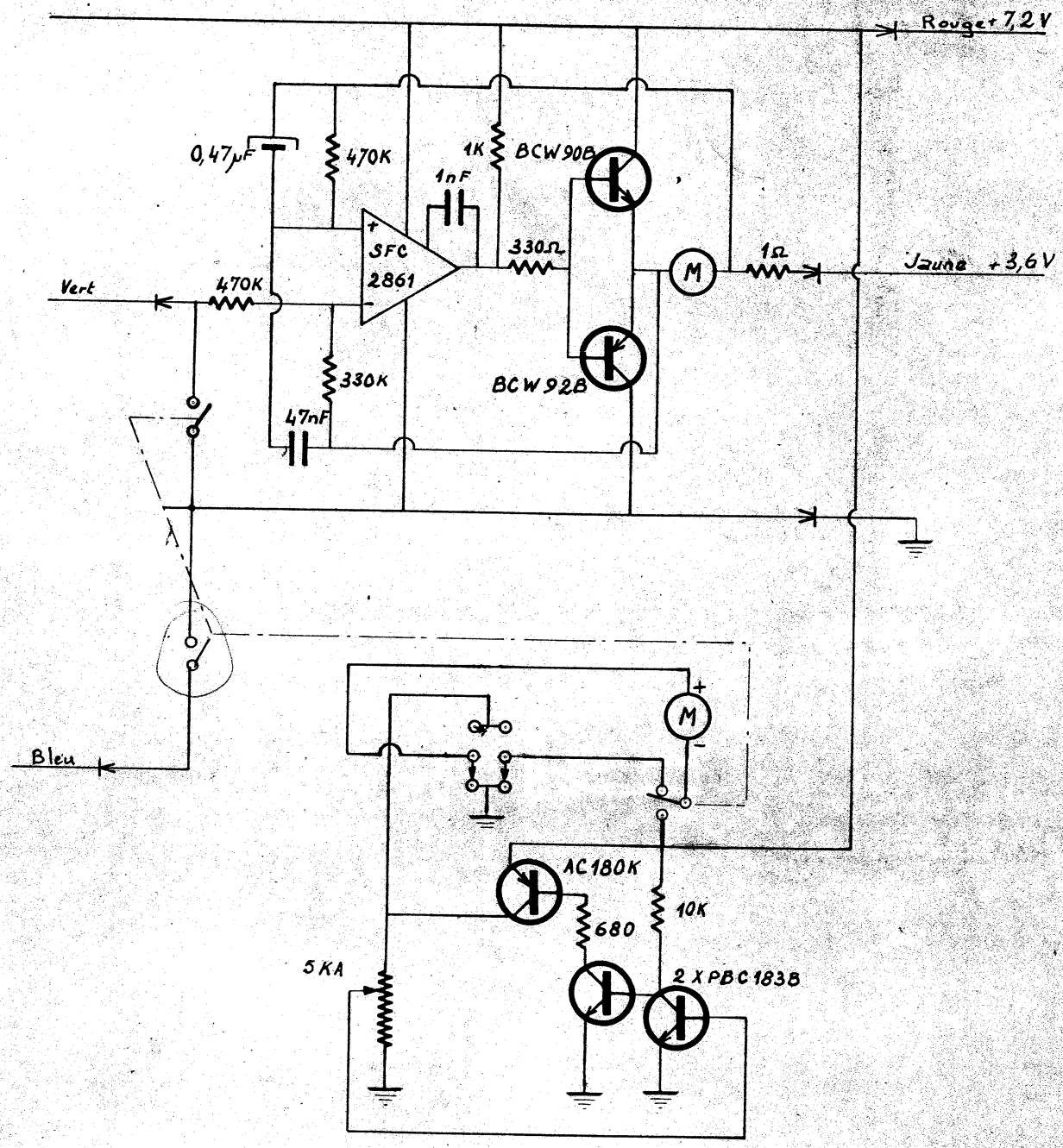
Schéma de cablage

Caméra 5008 S

BEAULIEU

N° 15633

LED

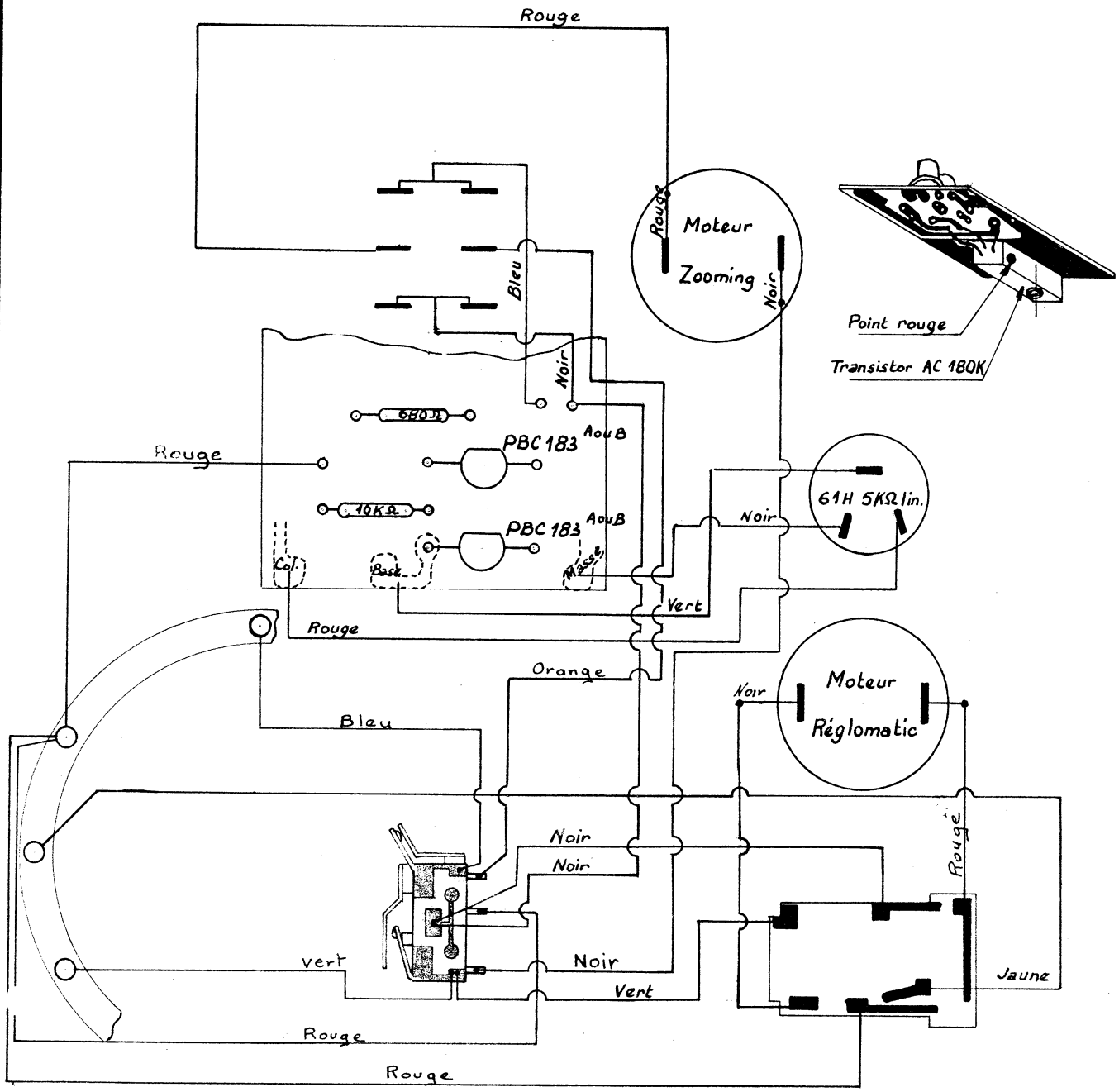


153930

C			
B			
A			
Rep	Nature de la modification		Date · Visa

Matière	Traitement	Protection	Poids	Echelle	
–	–	–	–	–	Dés. par : Fourneau Date : 21.10.76 Vérif. par :

Quant. par appareil 1	Schéma de principe	BEAULIEU
Tolér. gén.te –	Caméra 5008 S	
N° de modif.		N° 15612



153930

C		
B		
A		
Rep	Nature de la modification	Date - Visa

Matière	Traitement	Protection	Poids	Echelle	
-	-	-	-	-	Dés. par : Fourneau Date : 21.10.76 Vérif. par

Quant. par appareil 1

Tolér. gén.te -

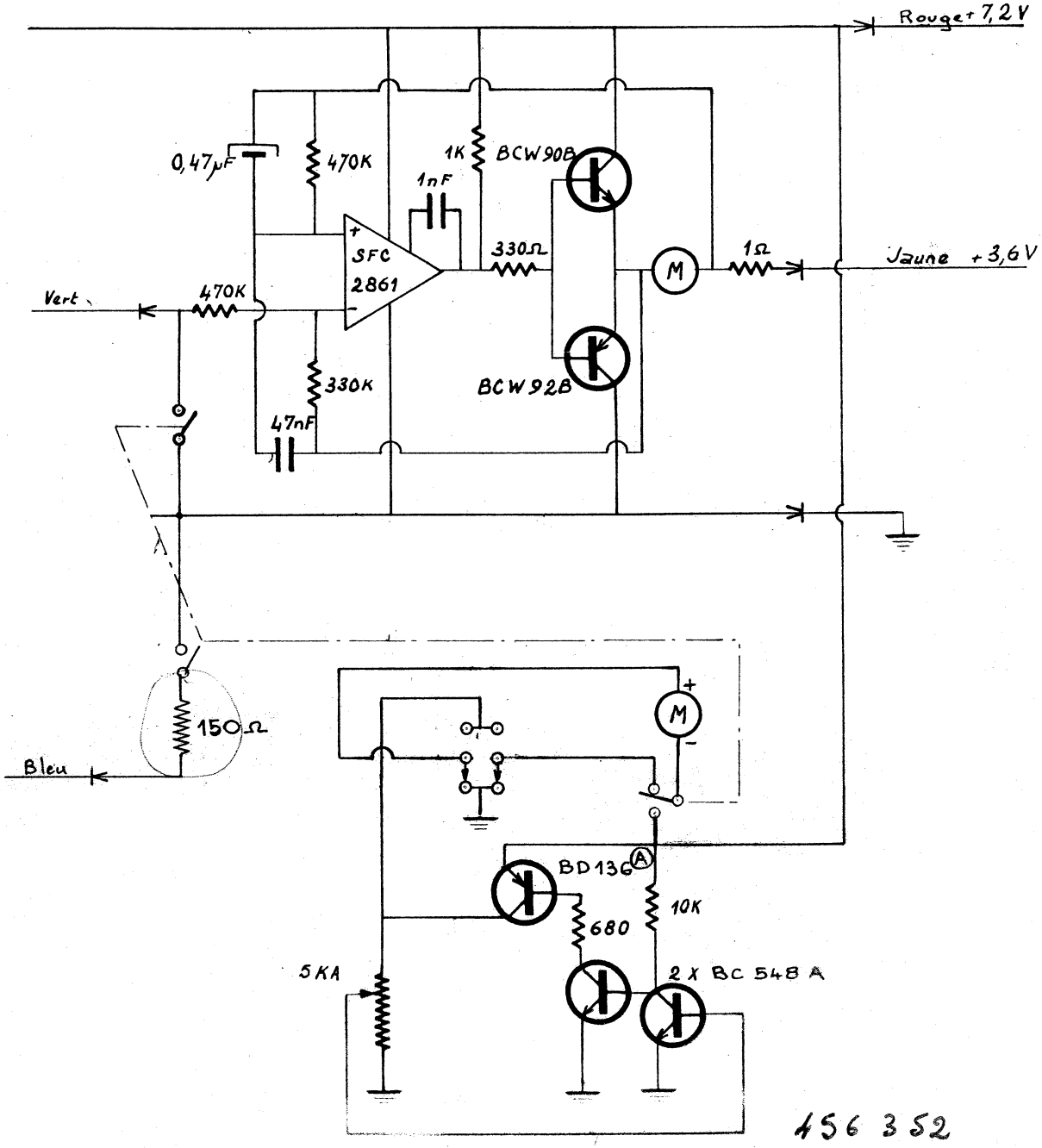
N° de modif.

Schéma de cablage

Caméra 5008 S

BEAULIEU

N° 15611



456 352

Rep	Nature de la modification	Date	Visa
C			
B			
A	AC 10[illegible] x 7 → BD 136	1.4.77	

Matière	Traitement	Protection	Poids	Echelle	
–	–	–	–	–	Dés. par [illegible]
					Date 11.10.76
					Vérif. par [illegible]

Quant. par appareil 1

Tolér. gén.° –

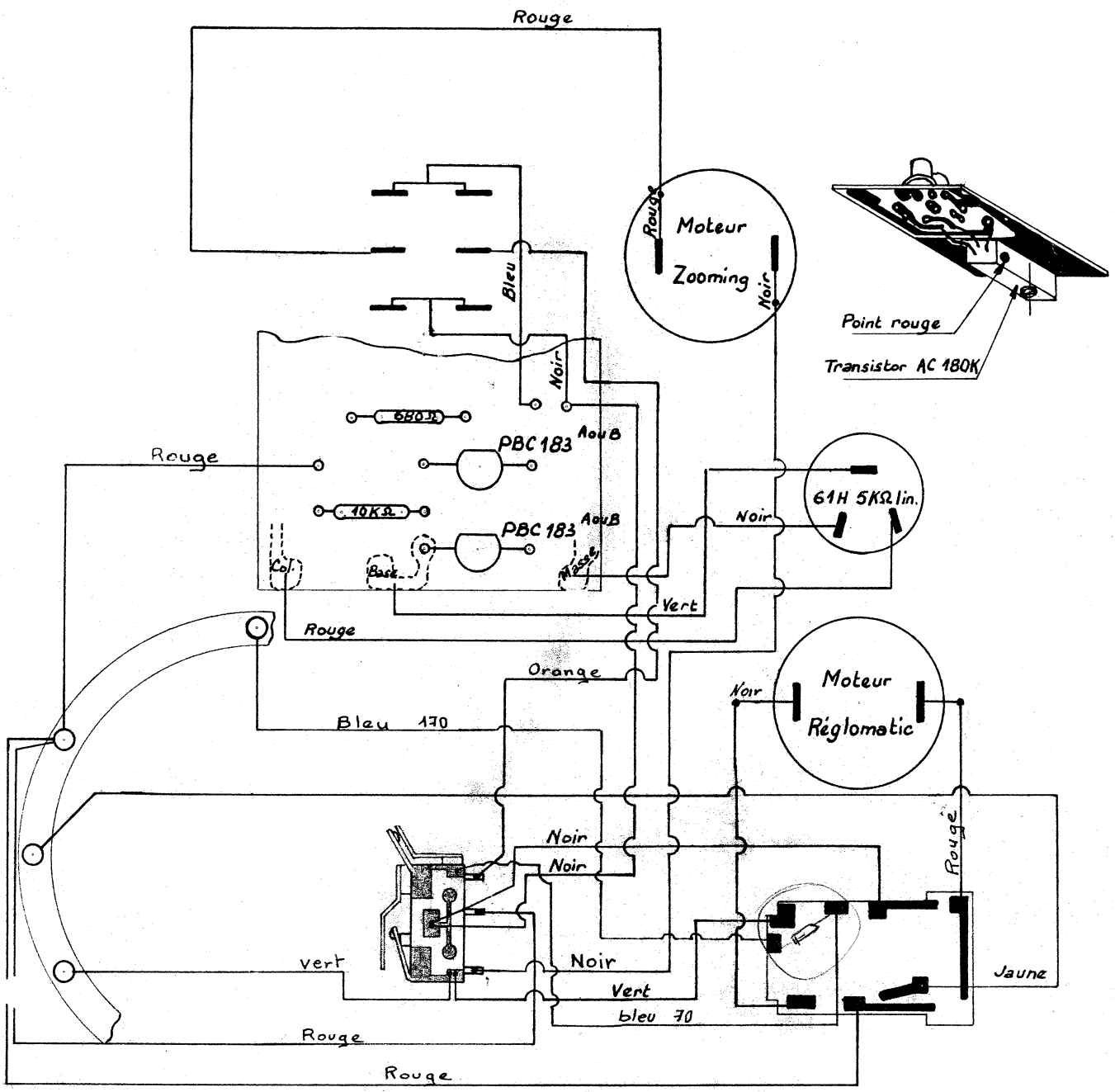
Schéma de principe

Caméra 5008 S

BEAULIEU

N° 15793

N° de modèle



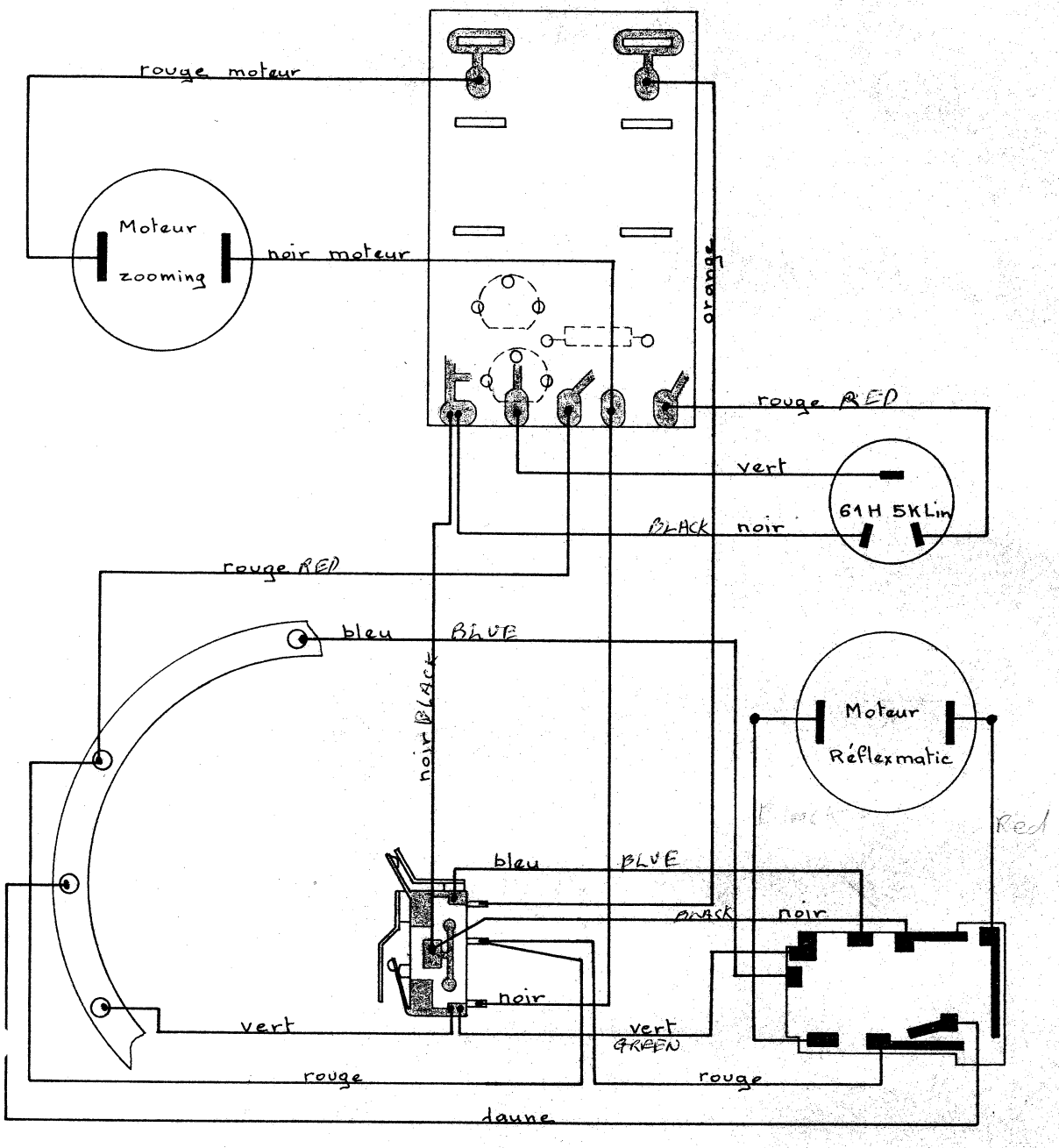
456 352

Rep	Nature de la modification	Date - Visa
C		
B		
A		

Matière	Traitement	Protection	Poids	Echelle	
-	-	-	-	-	Dés. par : Fourneau Date : 21.10.76 Vérif. par

Quant. par appareil 1	Schéma de cablage	BEAULIEU
Tolér. gén.le -	Caméra 5008 S	N° 15 792
N° de modif.		

NEW SWITCH



C		
B		
A		
Rep	Nature de la modification	Date - Visa

Matière	Traitement	Protection	Poids	Echelle	
—	—	—	—		Dés. par : Fourneau Date : 1. 4. 77 Vérif. par :

Quant. par appareil —

Tolér. gén.le —

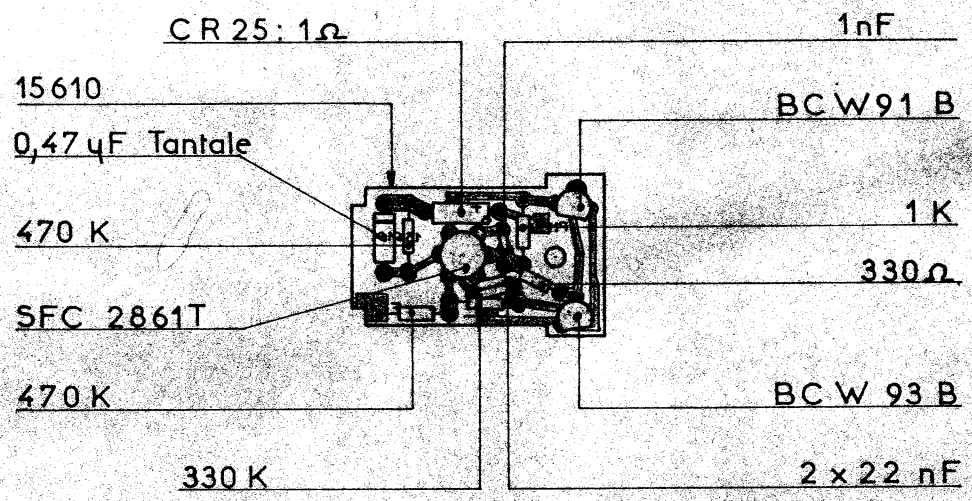
N° de modif.

Schéma de cablage

objectif 5008 MS à diodes

BEAULIEU

N° 15794

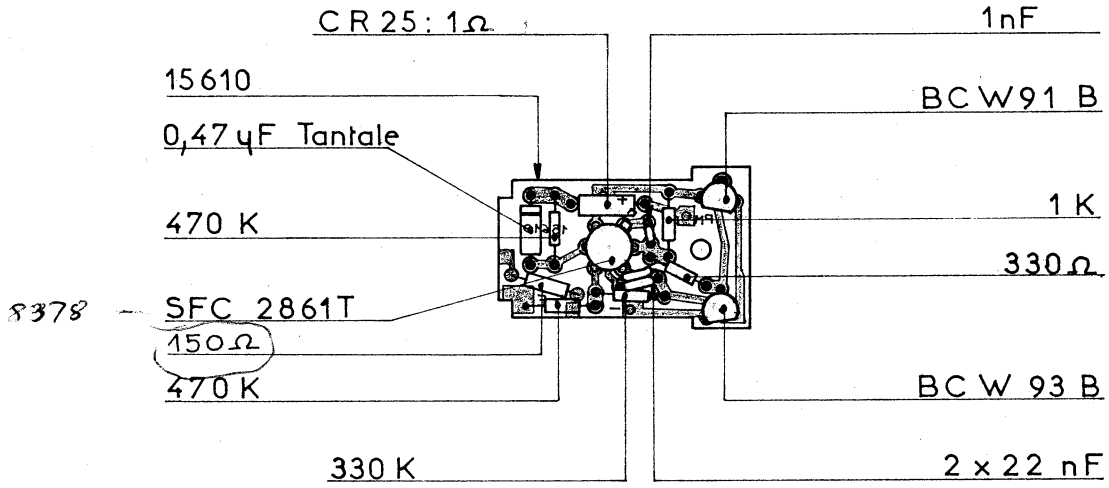


453930.

Rep	Nature de la modification	Date . Visa
C		
B		
A		

Matière	Traitement	Protection	Poids	Echelle	
—	—	—	—	1	Dés. par : Fourneau Date : 12 3 74 Vérif. par :

Quant. par appareil 1	Circuit réglo monté	BEAULIEU
Tolér. gén.ᵗ —	Caméra 5008 S	N° MP 15609
N° de modif.		



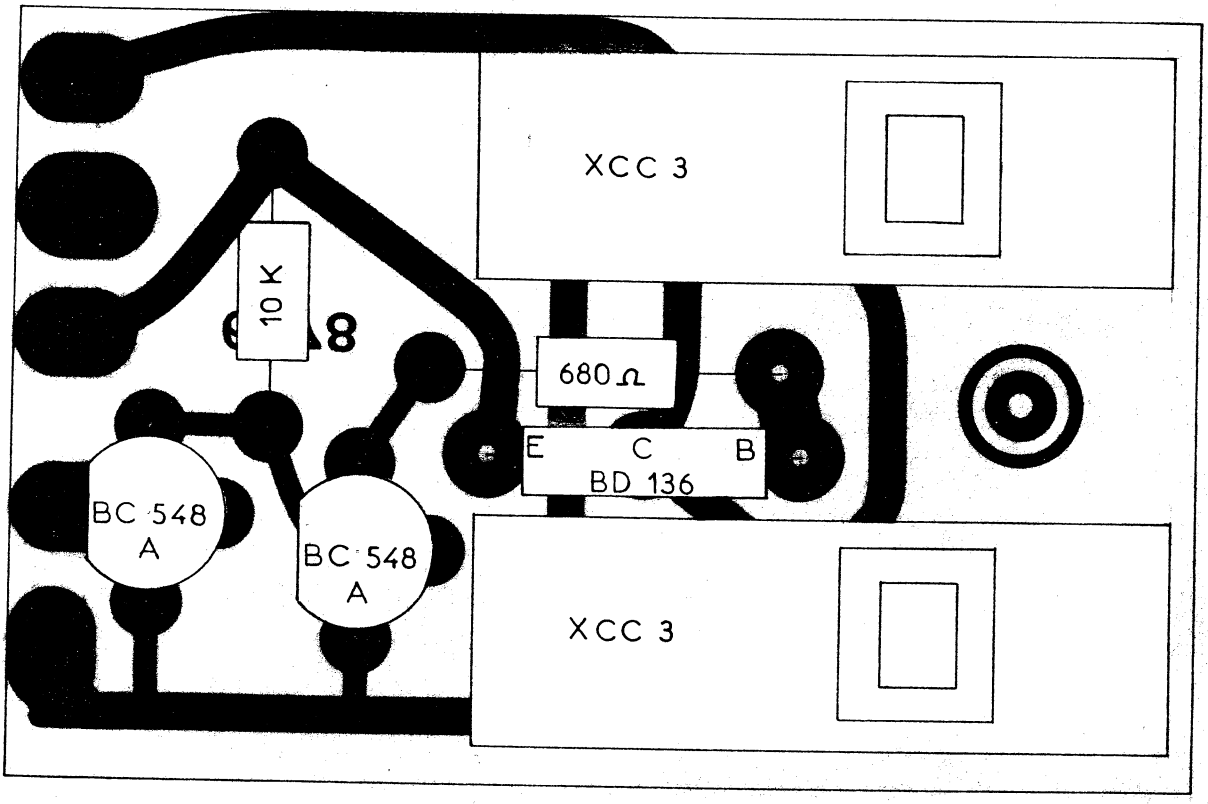
456 352

22 MARS 1977

Rep	Nature de la modification	Date - Visa
C		
B		
A		

Matière	Traitement	Protection	Poids	Echelle	
—	—	—	—	1	Dés. par : Fourneau Date : 12 3 74 Vérif. par :

Quant. par appareil 1	Circuit réglo monté	BEAULIEU
Tolér. gén.le —	Caméra 5008 S	N° MP 15791
N° de modif.		



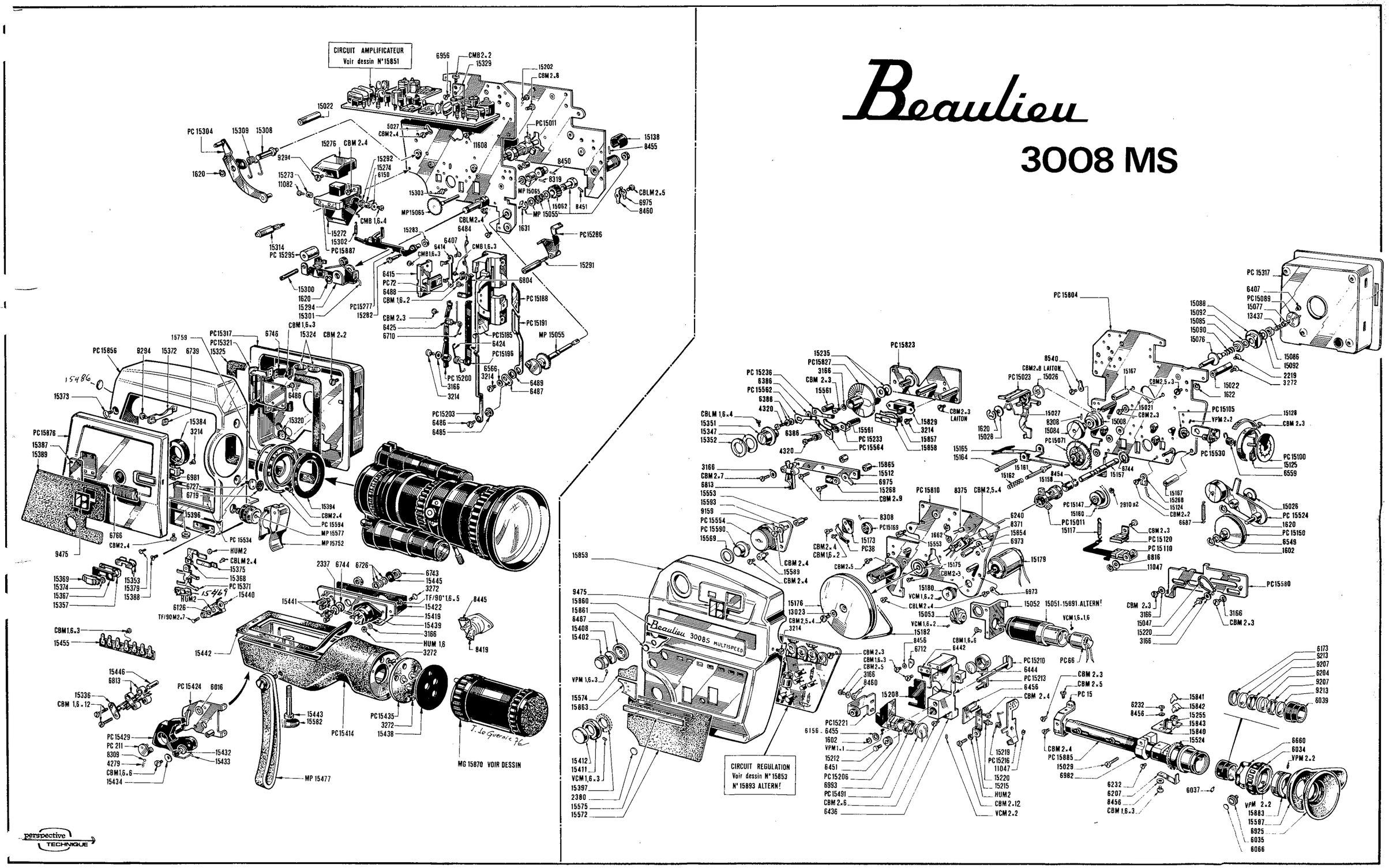
Rep	Nature de la modification	Date - Visa
C		
B		
A		

Matière	Traitement	Protection	Poids	Echelle	
—	—	—	—	5	Des par Fourneau Date 30.3.77 Vérif par

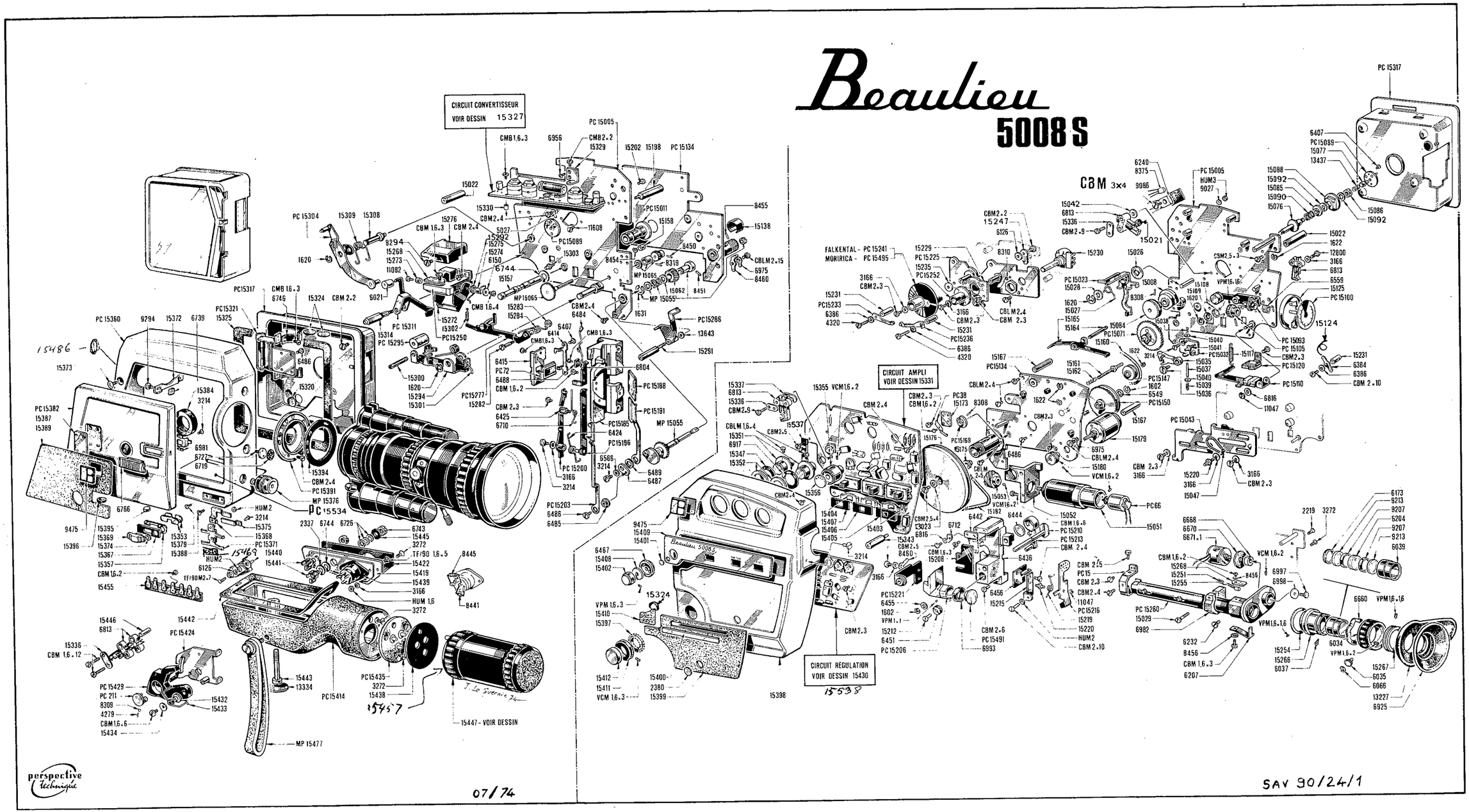
Quant. par appareil 1	Circuit zooming	BEAULIEU
Toler gén —	objectif 4008 et 5008	N° PC 6277

Beaulieu

3008 MS



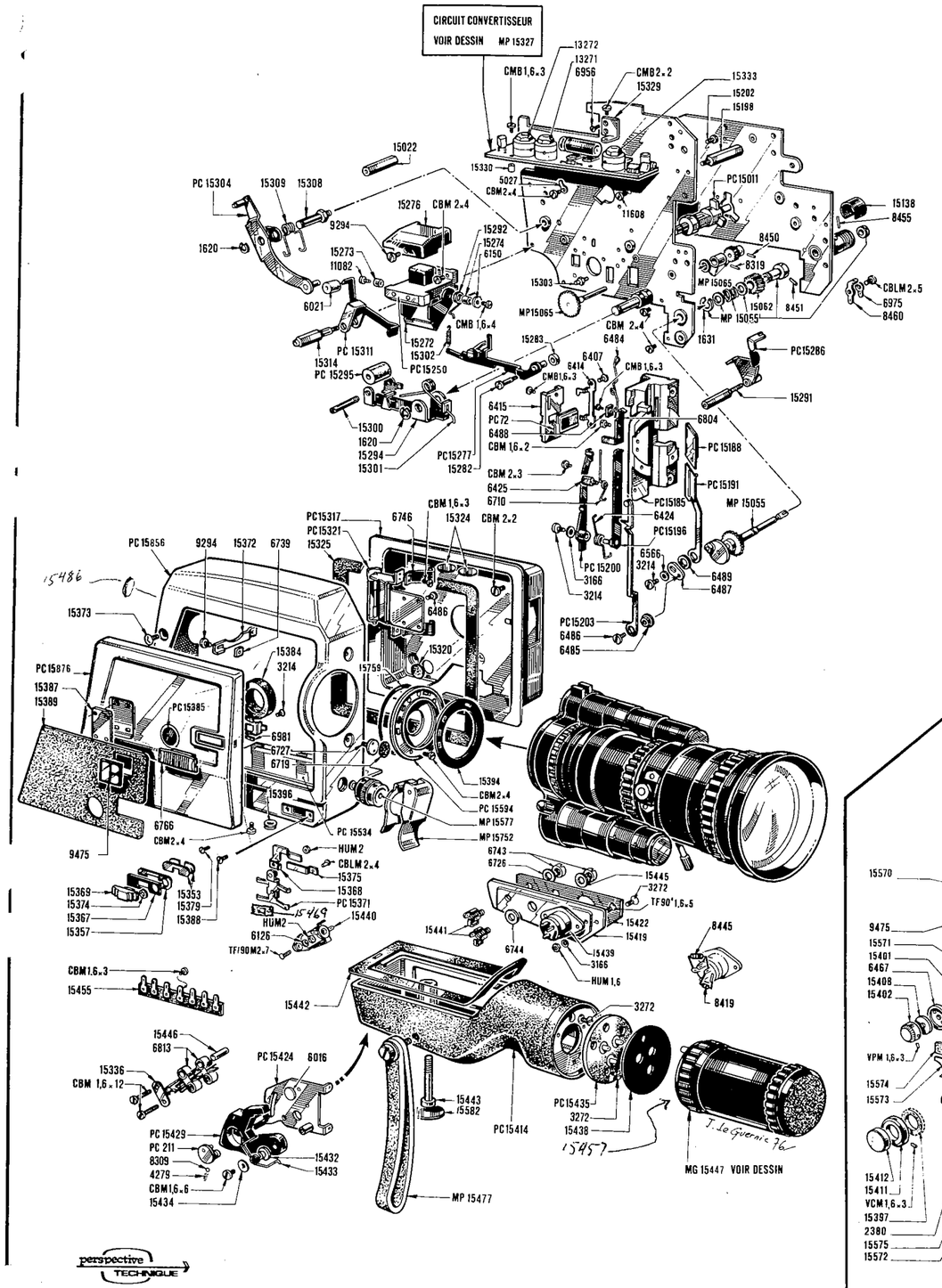
Beaulieu 5008 S

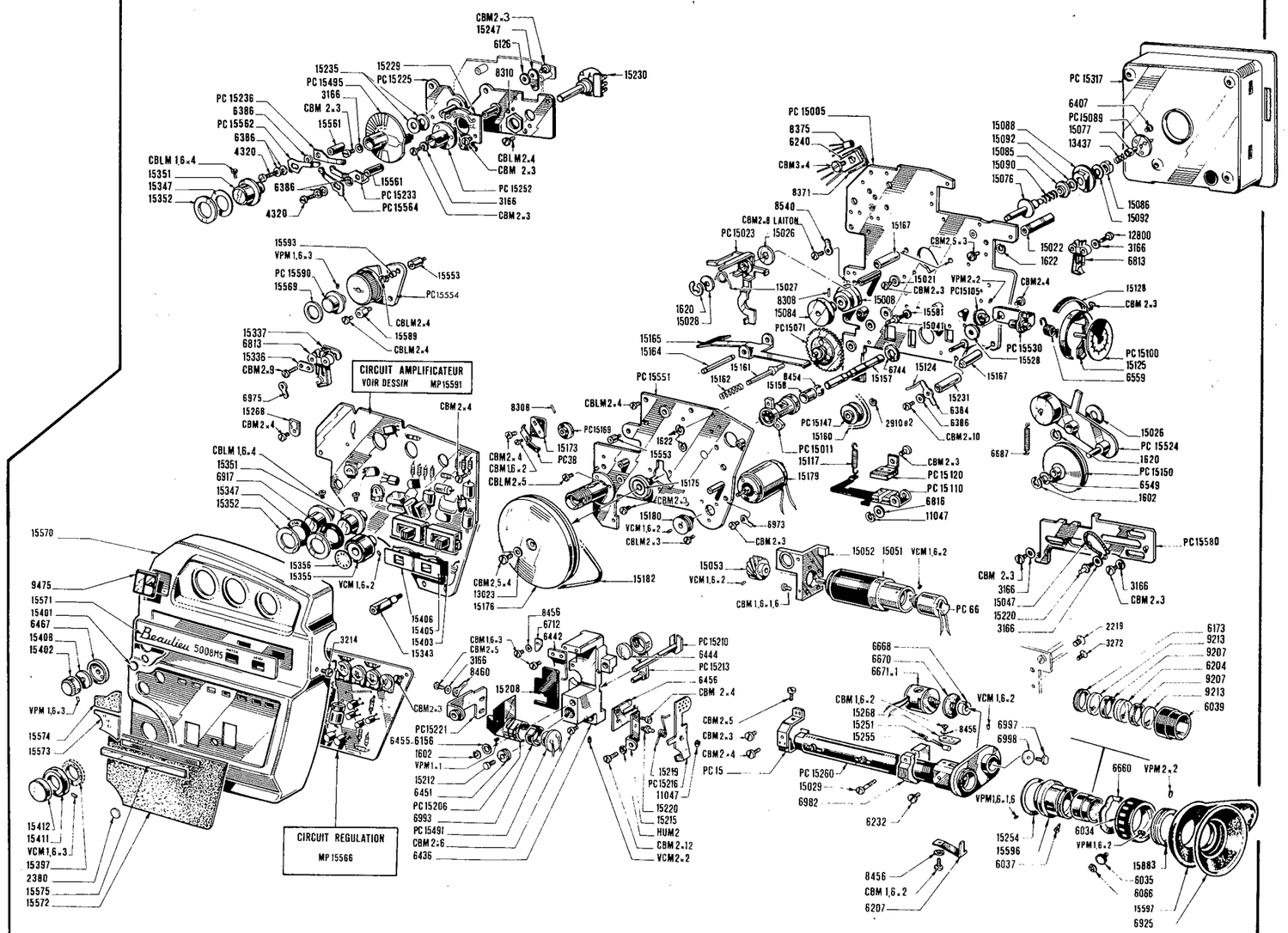


Beaulieu

5008 MS

DYNAMO-GALVANOMETRE

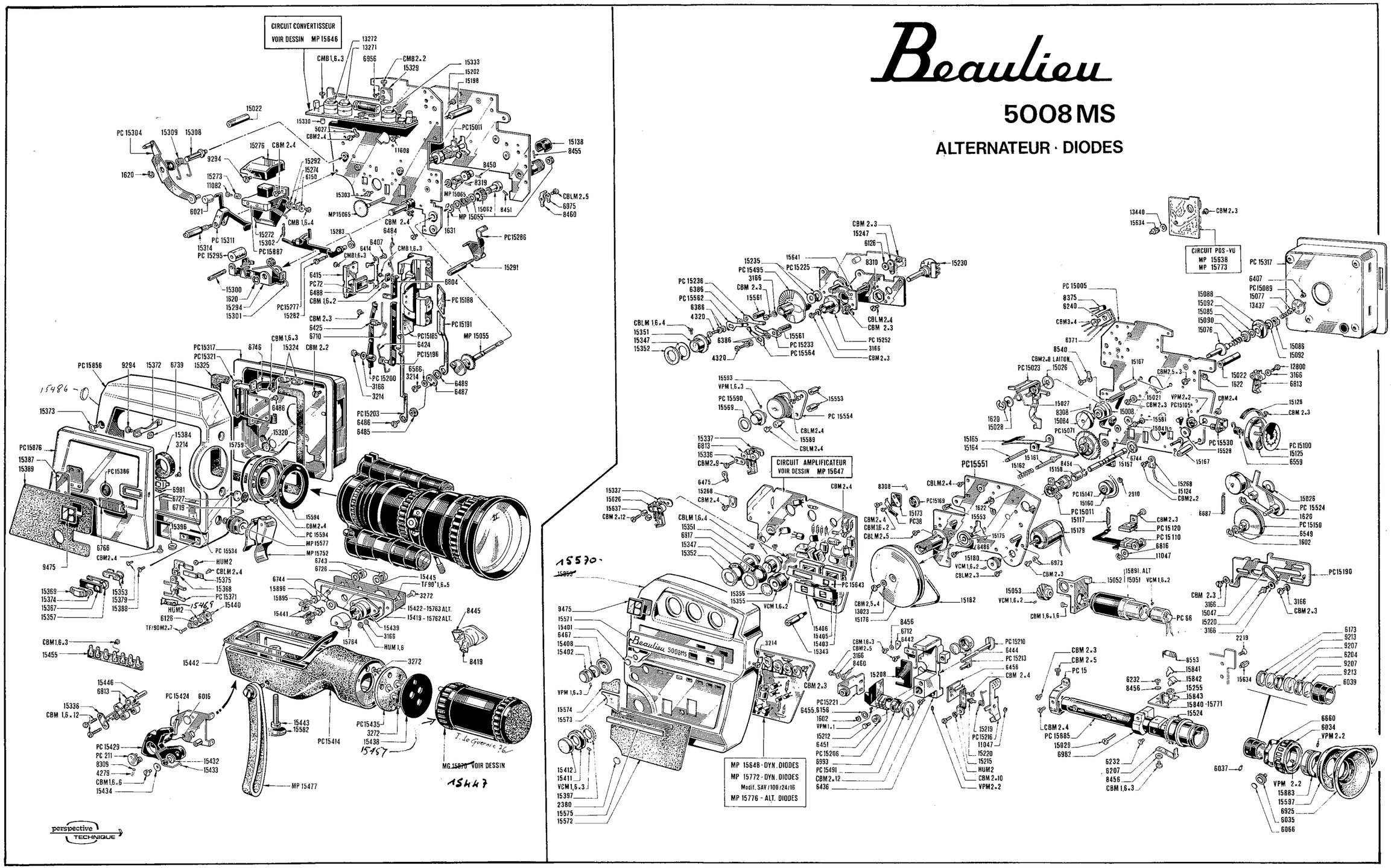




Beaulieu

5008 MS

ALTERNATEUR · DIODES



MODIFICATION NOTE : 3008 MS

SUBJECT : Value of the resistor 4,7 Kohms to be modified into 5,1 Kohms on the regulation circuit.

PURPOSE : Change the values of the tension-divider concerning the adjustment of the claw motor's speeds in order to use the new Zener Diode B2X79C.

Modifications to be made to the technical documentation :

Modified schemes :

- MP 15853 regulation circuit
- MP 15880 basic circuit

CAMERAS BEAULIEU - MAISON BRANDT FRERES
16, rue de la Cerisaie
94 - CHARENTON-LE-PONT (France) - Tel : 893.18.30

SAV/100/25/ 1
Established by
Mr. FOURNIER
25.11.1976

MODIFICATION NOTE : 3008 MS

SUBJECT : Reduction of the speed's variation between maxi and minimum of the capstan at 18 f.p.s.

PURPOSE : Eliminate risks of wow and flutter at 18 f.p.s.

Modifications to be made to the technical documentation :

Modified schemes :

- MP 15853
- 15880

CAMERAS BEAULIEU - MAISON BRANDT FRERES
16, rue de la Cerisaie
94 - CHARENTON-LE-PONT (France) - Tel : 893.18.30

SAV/100/25/2
Established by
Mr. FOURNIER
25.11.1976

MODIFICATION NOTE - 3008 MS

SUBJECT : Modification of the cartridge door's window

PURPOSE : To avoid the fall of the window

NEW PART : PC 15385 : equipped window's cartridge

Modifications to be made to the technical documentation :

Price list : SAV/70 - sheet 46/54

Add : PC 15385 : equipped window's cartridge.

Setting is made by means of the tool 0-355

CAMERAS BEAULIEU - MAISON BRANDT FRERES
16, rue de la Cerisaie
94 - CHARENTON-LE-PONT (France) - Tel : 893.18.30

SAV/100/25/3
Established by
Mr. Fournier
25.11.1976

MODIFICATION NOTE : 3008 MS

SUBJECT : Modification of the wires' connecting lug of the loop feeler

PURPOSE : To gain time and easier assembly.

NEW PARTS :15268 : connection circuit

CBM 2x2 : Secured screw

CAMERAS BEAULIEU - MAISON BRANDT FRERES
16, rue de la Cerisaie
94 - CHARENTON-LE-PONT (France) - Tel : 893.18.30

SAV/100/25/4
Established by
Mr. FOURNIER
25/11/1976

MODIFICATION NOTE : 3008

SUBJECT : Modification of the inside mask of lens front standard

PURPOSE : To allow the way in of the rear part of Zoom lens 8-50

NEW PART : PC 15594 : front standard

CANCELLED PART : PC 15391 : front standard

CAMERAS BEAULIEU - MAISON BRANDT FRERES
16, rue de la Cerisaie
94 - CHARENTON-LE-PONT (France) - Tel : 893.18.30

SAV/100/25/5

Established by
Mr. FOURNIER
26/11/1976

MODIFICATION NOTE : 3008

SUBJECT : Modification of the thickness of the washer in order to eliminate the looseness of the ground glass actuating rod

PURPOSE : Abandon of painting on prism supports

NEW PART : 6156 : washer

Modifications to be made to technical documentation :

a) Price list : SAV/70 - sheet 19/54

add : 6156 washer

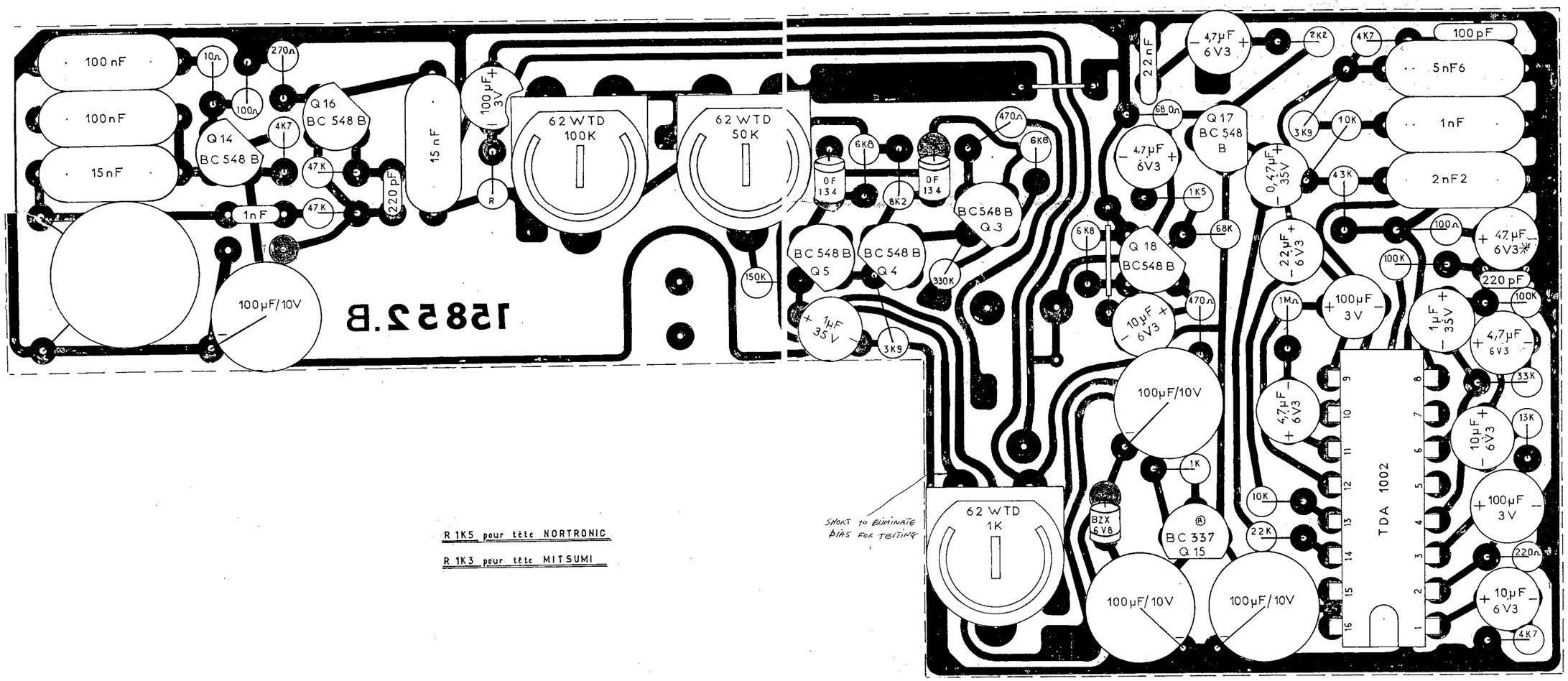
CAMERAS BEAULIEU - MAISON BRANDT FRERES
16, rue de la Cerisaie
94 - CHARENTON-LE-PONT (France) - Tel : 893.18.30

SAV/100/25/6
Established by
Mr. FOURNIER
26/11/1976

3008 MS SCHEMES

N°	T	DESIGNATIONS	MODIFICATIONS
15880	A3	Basic circuit	
15881	A3	wiring diagram	
MP 15851	A2	Amplifier circuit	
MP 15853	A4	Regulation circuit	
		3008 MS wires	
15897	A3	Basic circuit	Alternator
15898	A3	Wiring diagram	"
15893	A4	Regulation circuit	"
		3008 MS Alternator wires	
		REGLOMATICS	
15918	A4	Zoom Reglo. Basic circuit	
PC 15913	A4	Zoom wiring diagram	
15917	A4	Reglo Zoom wiring diagram	

13/1/1977



SHORT TO ELIMINATE BIAS FOR TESTING

R 1K5 pour tête NORTRONIC

R 1K3 pour tête MITSUMI

Rep	Nature de la modification	Date_Visa
C		
B		
A	BC 548 B → BC 337	30.3.76

Matiere	Traitement	Protection	Poids	Echelle	
—	—	—	—	5	Des. par : Fourneau Date : 5.2.76 Vérif. par :

Quant par appareil 1

Tolér. géné^le —

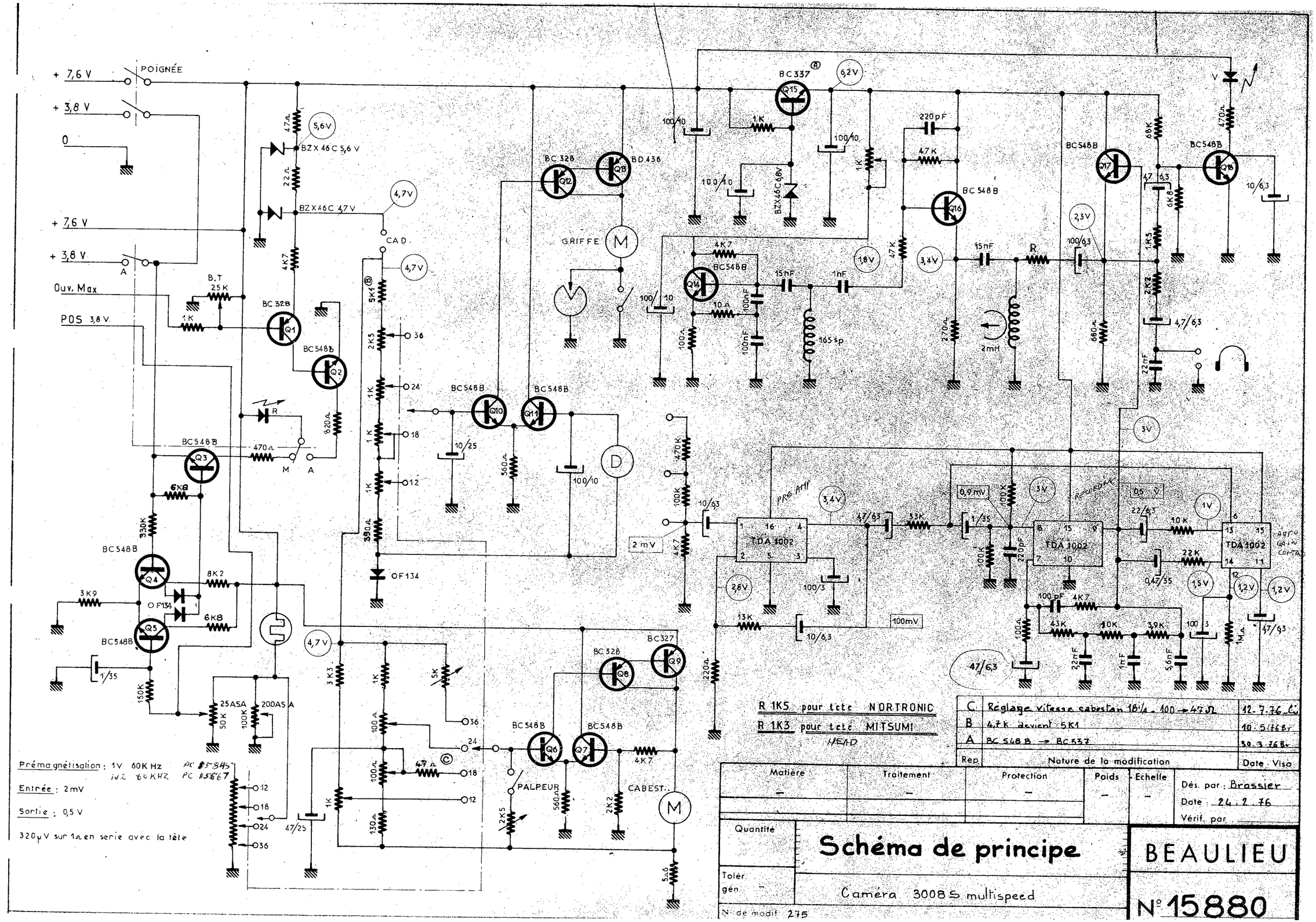
N° de modif.

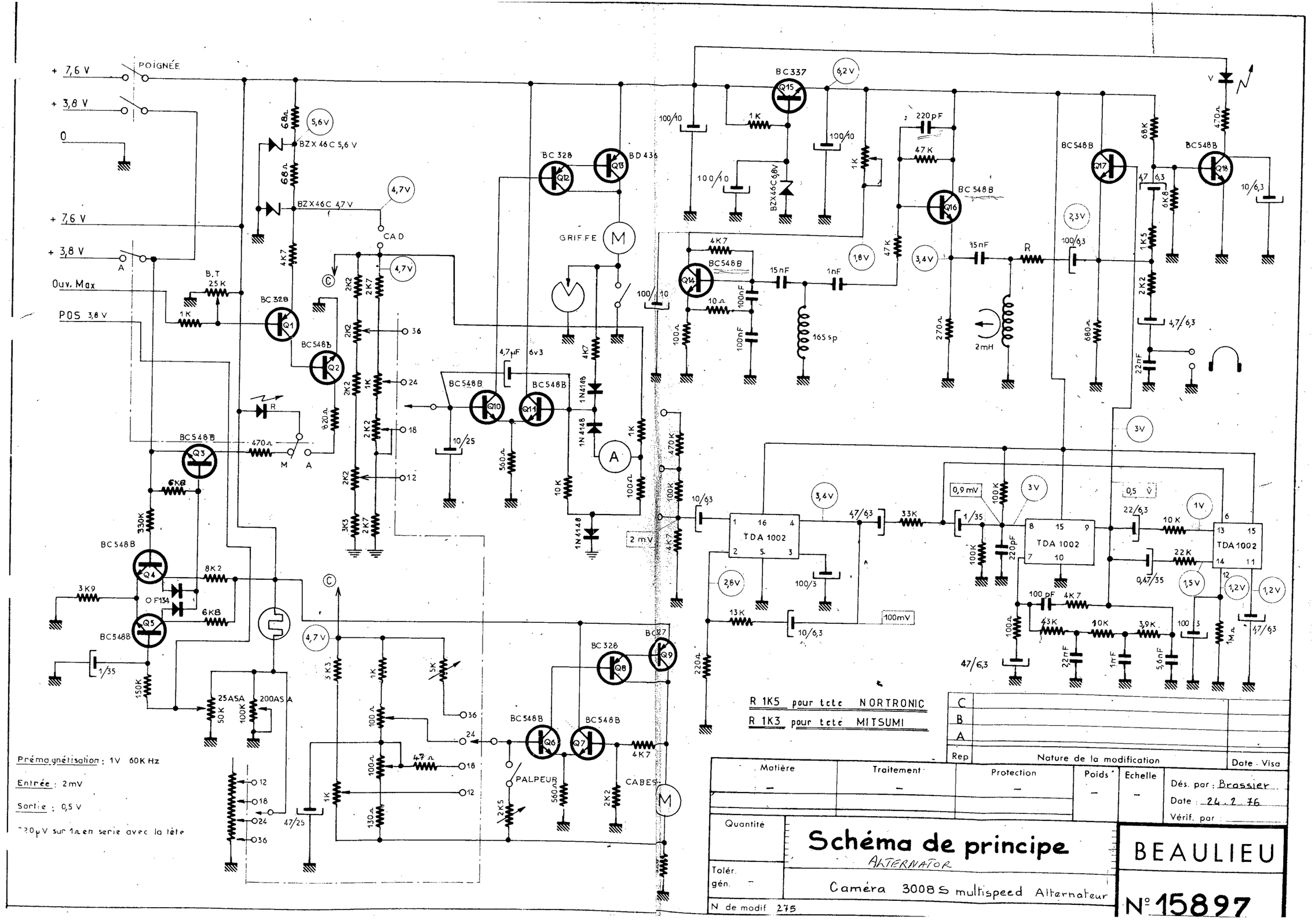
Circuit ampli monté

Caméra 300B S multispeed

BEAULIEU

N° MP15851


+ 7,6 V
POIGNÉE
+ 3,8 V
0
+ 7,6 V
+ 3,8 V
A
Ouv. Max
POS 3,8 V.
B.T 25 K
1 K
BC 328
BC 548 B
BZX 46 C 5,6 V
BZX 46 C 4,7 V
CAD.
GRIFFE
BD 436
BC 337
BZX 46 C 6,8 V
BC 548 B
BC 327
PALPEUR
CABEST.
OF 134
TDA 1002
pre-ampli
Recepteur
agc gain control
R 1K5 pour tête NORTRONIC
R 1K3 pour tête MITSUMI
HEAD
Prémagnétisation : 1V 60K Hz
Entrée : 2mV
Sortie : 0,5 V
320µV sur 1Ω en serie avec la tête
C Réglage vitesse cabestan 18 1/4 - 100 → 47Ω 12.7.76
B 4,7k devient 5K1 10.5.76
A BC 548 B → BC 537 30.3.76
Rep. Nature de la modification Date Visa
Matière
Traitement
Protection
Poids
Echelle
Dés. par : Brassier
Date : 24.2.76
Vérif. par
Quantité
Tolér. gén.
Schéma de principe
Caméra 3008 S multispeed
N° de modif. 275
BEAULIEU
N° 15880



Prémagnétisation : 1V 60K Hz

Entrée : 2mV

Sortie : 0,5 V

20µV sur 1Ω en serie avec la tête

R 1K5 pour tete NORTRONIC

R 1K3 pour tete MITSUMI

Rep	Nature de la modification	Date . Visa
C		
B		
A		

Matière	Traitement	Protection	Poids	Echelle
–	–	–	–	–

Dés. par : Brassier
Date : 24.2.76
Vérif. par :

Quantité

Tolér. gén. –

Schéma de principe

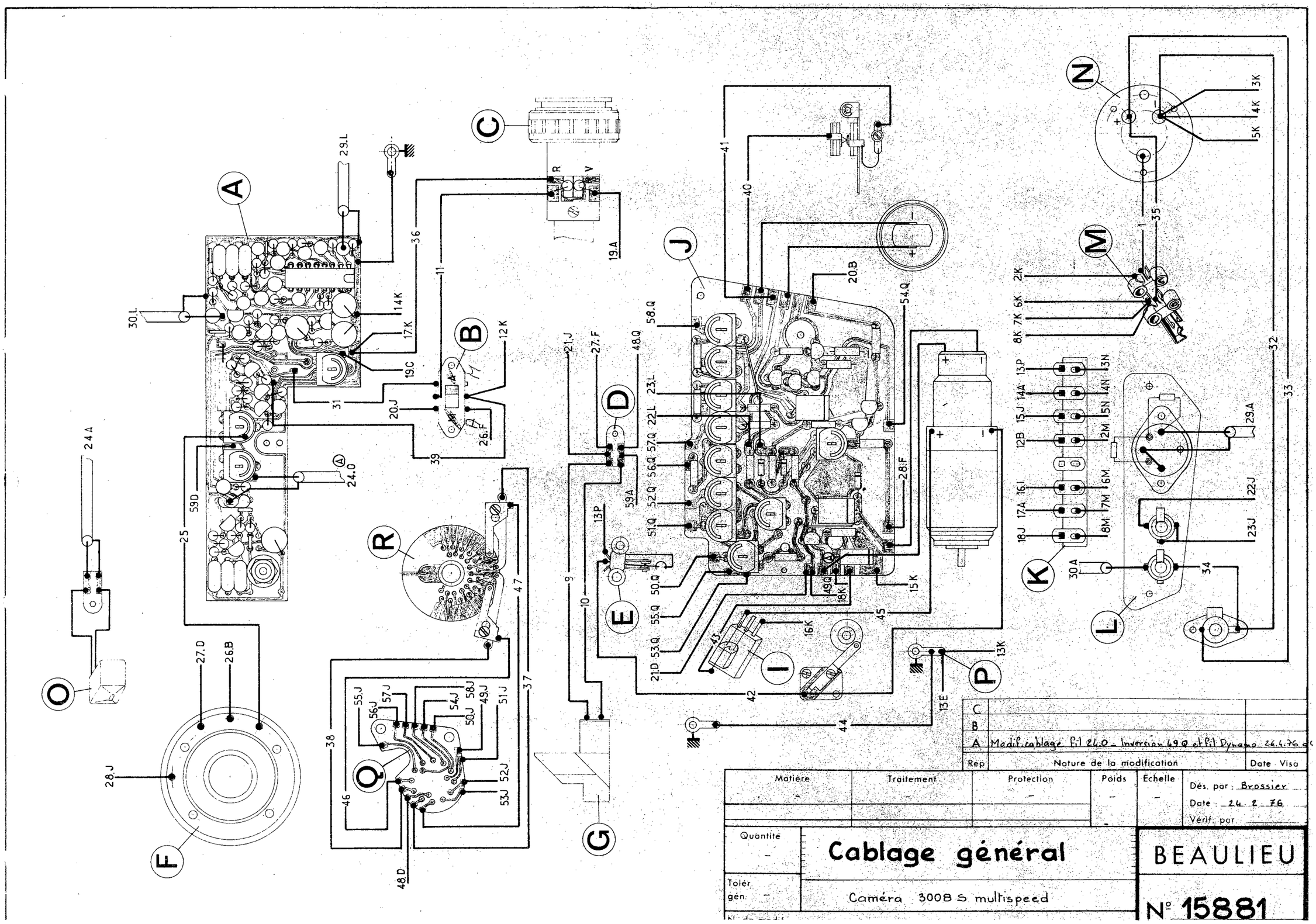
ALTERNATOR

Caméra 3008 S multispeed Alternateur

N de modif 275

BEAULIEU

N° 15897



Rep	Nature de la modification	Date	Visa
C			
B			
A	Modif. cablage fil 24.O – Inversion 49 Q et fil Dynamo 26.6.76		

Matière	Traitement	Protection	Poids	Echelle	
–	–	–	–	–	Dés. par : Brossier Date : 24. 2. 76 Vérif. par

Quantité –

Tolér. gén. –

Cablage général

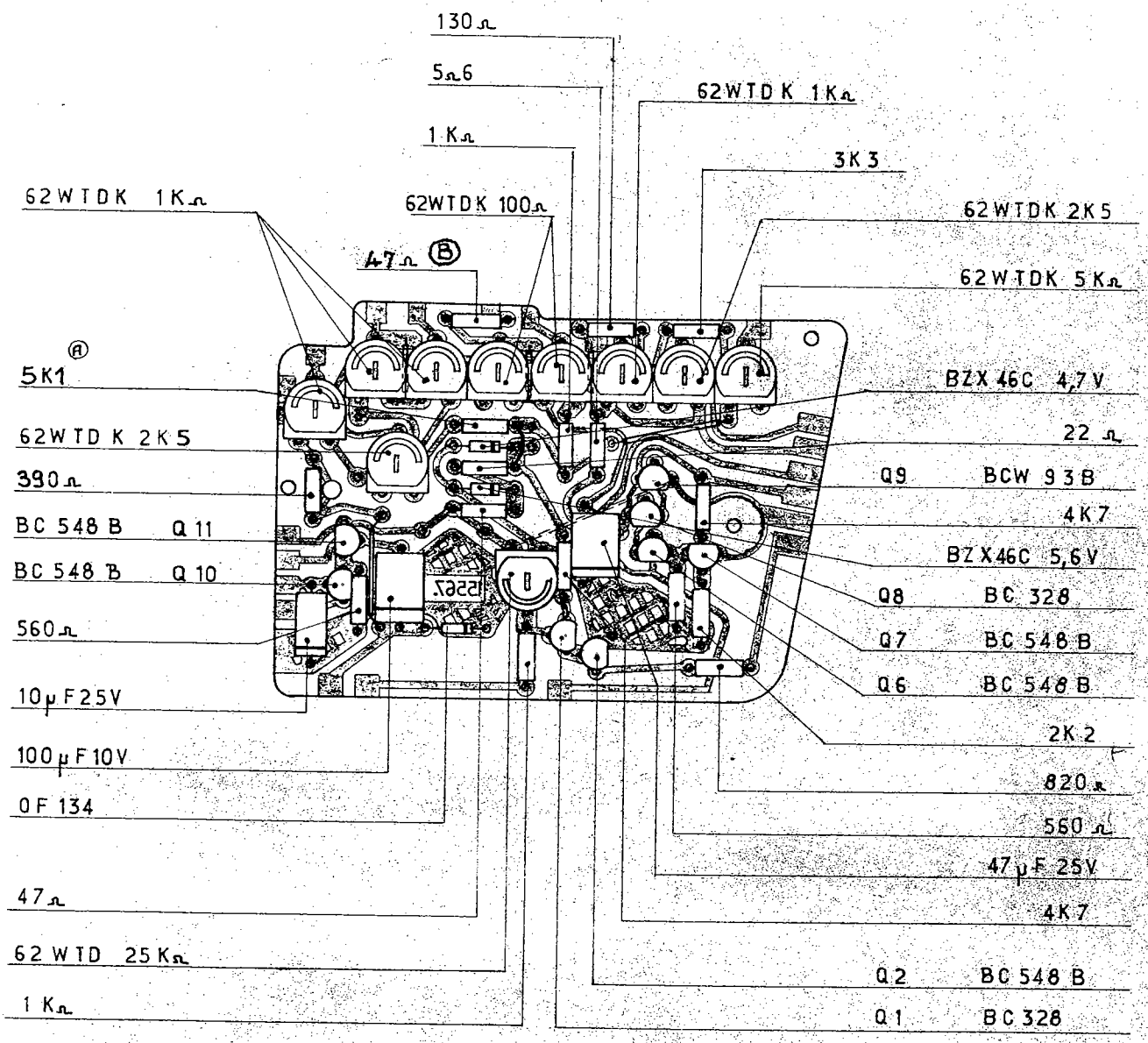
Caméra 3008 S multispeed

BEAULIEU

N° 15881

Nomenclature fils caméra 3008 S

N°	REF.	COULEUR	COLOR			N°	REF.	COULEUR	COLOR
1	EPDF	Jaune	Yellow	M	N				
2	EPDF	Jaune	Yellow	K	M				
3	227 T	Noir	Black	K	N				
4	EPDF	Noir	Black	K	N				
5	EPDF	Noir	Black	K	N				
6	227 T	Rouge	Red	K	M				
7	EPDF	Rouge	Red	K	M				
8	EPDF	Rouge	Red	K	M				
9		Cellule	Cell	D	G				
10		Cellule	Cell	D	G				
11	EPDF	Rouge noir	Red Black	B	C				
12	EPDF	Jaune	Yellow	B	K				
13	227 T	Noir	Black	K	P				
14	EPDF	Noir	Black	A	K				
15	EPDF	Noir	Black	J	K				
16	227 T	Rouge	Red	I	K				
17	EPDF	Rouge	Red	A	K				
18	EPDF	Rouge	Red	J	K				
19	EPDF	Noir vert	Blac Green	A	C				
20	EPDF	Rouge Blanc	Red White	B	J				
21	EPDF	Rouge	Red	D	J				
22	SM 485	Orange	Orange	J	L				
23	SM 485	Bleu	Blue	J	L				
24	PU 102			A	0				
25	SM 485	Vert	Green	A	F				
26	SM 485	Jaune	Yellow	B	F				
27	SM 485	Rouge	Red	D	F				
28	SM 485	Bleu	Blue	F	J				
29	PU 102			A	L				
30	PU 102			A	L				
31	EPDF	Vert Blanc	Green White	A	B				
32	EPDF	Noir	Black	I	N				
33	EPDF	Rouge	Red	L	N				
34	EPDF	Noir	Black	I					
35	227 T	Rouge	Red	M	N				
36	EPDF	Rouge	Red	A	C				
37	EPDF	Jaune	Yellow	Q	R				
38	EPDF	Orange	Orange	Q	R				
39	EPDF	Jaune	Yellow	A	B				
40	EPDF	Vert Blanc	Green White	J					
41	EPDF	Vert Blanc	Green White	J					
42	227 T	Jaune	Yellow	F					
43	EPDF	Noir Vert	Black Green	I	J				
44	EPDF	Noir	Black	P					
45	227 T	Orange	Orange	I					
46	EPDF	Marron	Brown	Q	R				
47	EPDF	Vert	Green	Q	R				
48	EPDF	Blanc Bleu	White Blue	D	Q				
49	EPDF	Marron	Brown	J	Q				
50	EPDF	Blanc Rouge	White Red	J	Q				
51	EPDF	Blanc Bleu	White Blue	J	Q				
52	EPDF	Vert Blanc	Green White	J	Q				
53	EPDF	Blanc Noir	White Black	J	Q				
54	EPDF	Noir Vert	Black Green	J	Q				
55	EPDF	Vert	Green	J	Q				
56	EPDF	Jaune	Yellow	J	Q				
57	EPDF	Marron	Brown	J	Q				
58	EPDF	Orange	Orange	J	Q				
59	EPDF	Blanc Bleu	White Blue	A	D				



Per socket modification

Rep	Nature de la modification	Date Visa
C		
B	Réglage vitesse cabestan 18 1/1 - 100 devient 47 Ω	12.7.76 C
A	Resistance 4k7 devient 5K1	10.5.76 Br

Matière	Traitement	Protection	Poids	Echelle	
–	–	–	–	1	Dés. par : Brossier Date : 16.2.76 Vérif. par

Quant. par appareil 1

Tolér. gén. –

N° de modif. 275-

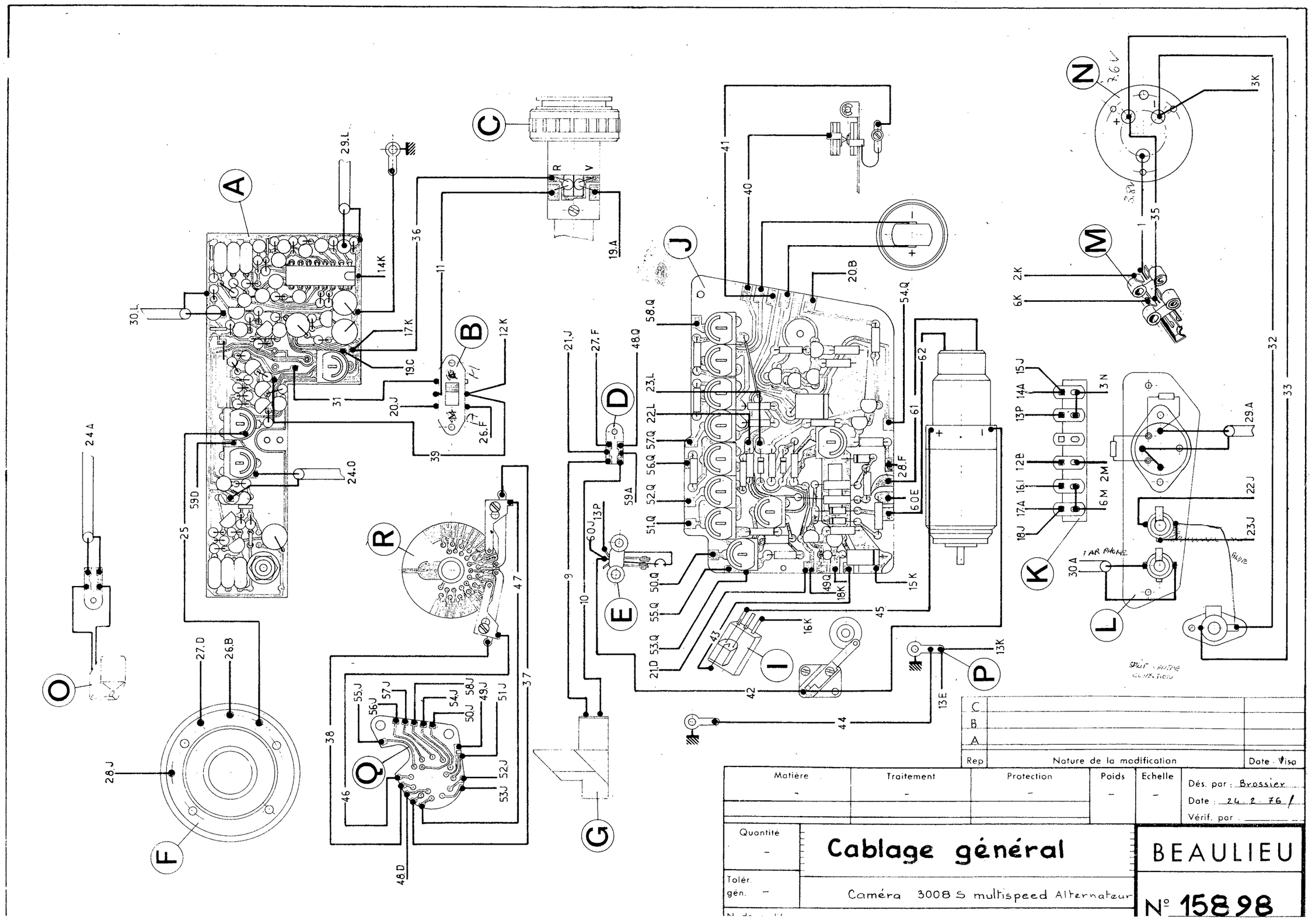
Circuit régulation

monté

Caméra 3008 S multispeed

BEAULIEU

N° MP 15853



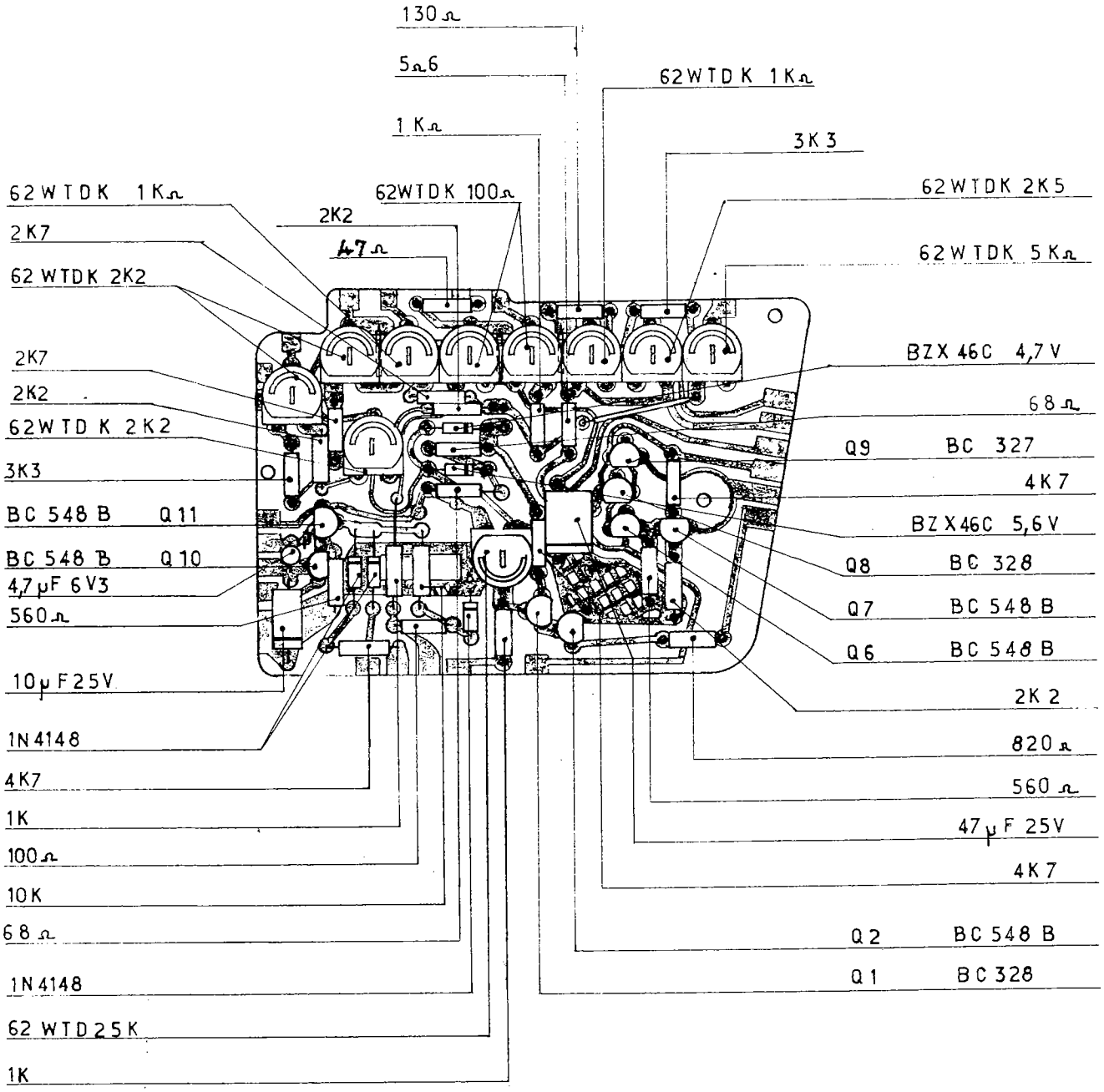
Rep	Nature de la modification	Date · Visa
C		
B		
A		

Matière	Traitement	Protection	Poids	Echelle	
-	-	-	-	-	Dés. par : Brossier Date : 24.2.76 Vérif. par :

Quantité		
-	**Cablage général**	BEAULIEU
Tolér. gén. –	Caméra 3008 S multispeed Alternateur	N° 15898

Nomenclature fils caméra 3008 S ALTERNATEUR

N°	REF.	COULEUR	COLOR			N°	REF.	COULEUR	COLOR
1	EPDF	Jaune	Yellow	M	N				
2	EPDF	Jaune	Yellow	K	M				
3	227 T	Noir	Black	K	N				
6	227 T	Rouge	Red	K	M				
9		Cellule	Cell	D	G				
10		Cellule	Cell	D	G				
11	EPDF	Rouge noir	Red Black	B	C				
12	EPDF	Jaune	Yellow	B	K				
13	227 T	Noir	Black	K	P				
14	EPDF	Noir	Black	A	K				
15	EPDF	Noir	Black	J	K				
16	227 T	Rouge	Red	I	K				
17	EPDF	Rouge	Red	A	K				
18	EPDF	Rouge	Red	J	K				
19	EPDF	Noir vert	Blac Green	A	C				
20	EPDF	Rouge Blanc	Red White	B	J				
21	EPDF	Rouge	Red	D	J				
22	SM 485	Orange	Orange	J	L				
23	SM 485	Bleu	Blue	J	L				
24	PU 102			A	O				
25	SM 485	Vert	Green	A	F				
26	SM 485	Jaune	Yellow	B	F				
27	SM 485	Rouge	Red	D	F				
28	SM 485	Bleu	Blue	F	J				
29	MTN 1.51	Gris		A	L				
30	PU 102			A	L				
31	EPDF	Vert Blanc	Green White	A	B				
32	EPDF	Noir	Black	L	N				
33	EPDF	Rouge	Red	L	N				
35	227 T	Rouge	Red	M	N				
36	EPDF	Rouge	Red	A	C				
37	EPDF	Jaune	Yellow	Q	R				
38	EPDF	Orange	Orange	Q	R				
39	EPDF	Jaune	Yellow	A	B				
40	EPDF	Vert Blanc	Green White	J					
41	EPDF	Vert Blanc	Green White	J					
42	227 T	Jaune	Yellow	E					
43	EPDF	Noir Vert	Black Green	I	J				
44	EPDF	Noir	Black	P					
45	227 T	Orange	Orange	I					
46	EPDF	Marron	Brown	Q	R				
47	EPDF	Vert	Green	Q	R				
48	EPDF	Blanc Bleu	White Blue	D	Q				
49	EPDF	Marron	Brown	J	Q				
50	EPDF	Blanc Rouge	White Red	J	Q				
51	EPDF	Blanc Bleu	White Blue	J	Q				
52	EPDF	Vert Blanc	Green White	J	Q				
53	EPDF	Blanc Noir	White Black	J	Q				
54	EPDF	Noir Vert	Black Green	J	Q				
55	EPDF	Vert	Green	J	Q				
56	EPDF	Jaune	Yellow	J	Q				
57	EPDF	Marron	Brown	J	Q				
58	EPDF	Orange	Orange	J	Q				
59	EPDF	Blanc Bleu	White Blue	A	D				
60	EPDF	Jaune	Yellow	E	J				
61	EPDF	Blanc Bleu	White Blue						
62	EPDF	Blanc Bleu	White Blue						



Rep	Nature de la modification	Date	Visa
C			
B			
A			

Matière	Traitement	Protection	Poids	Echelle
—	—	—	—	1

Dés. par : Brossier
Date : 16 . 2 . 79
Vérif. par

Quant. par appareil 1

Total

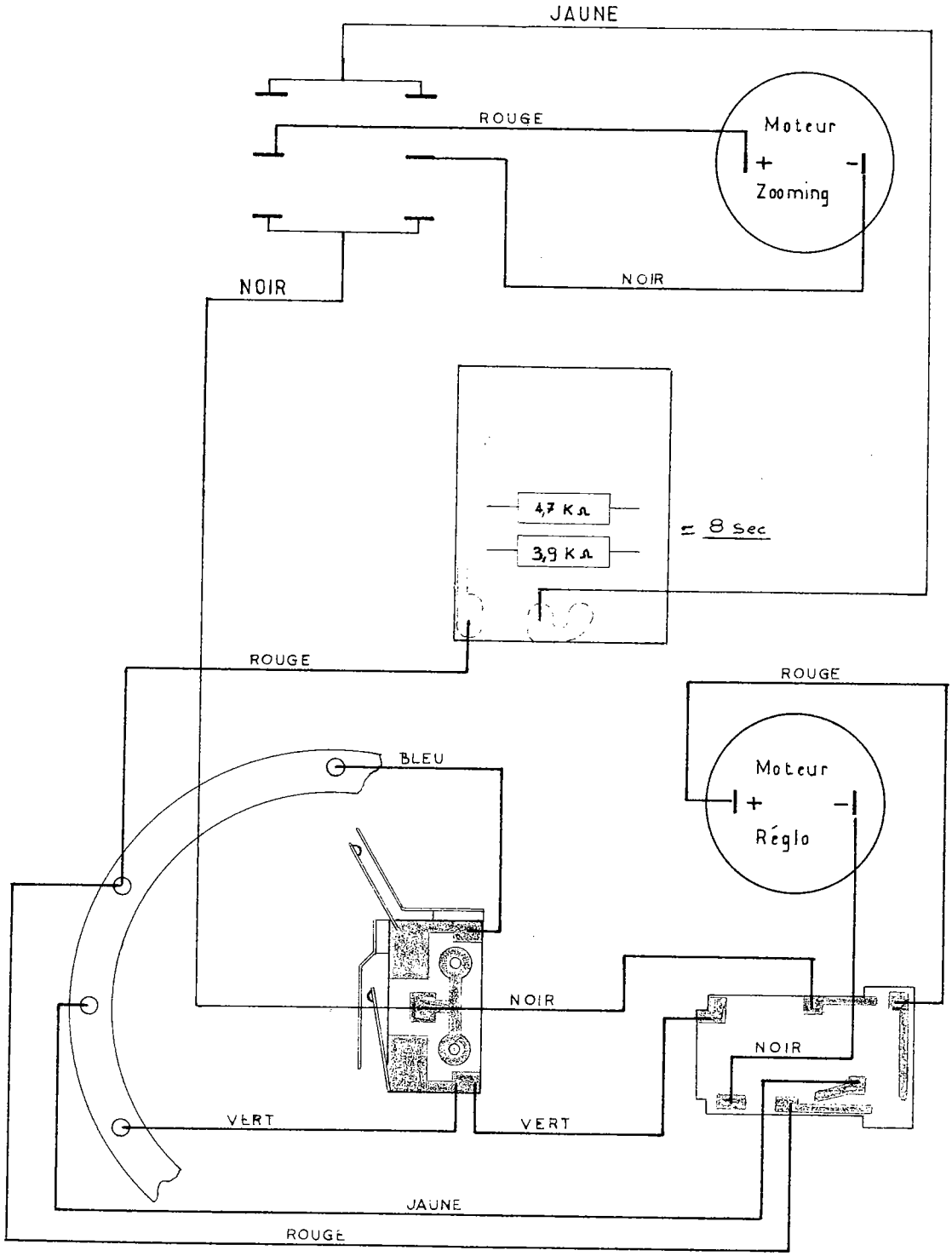
Circuit régulation

monté

BEAULIEU

ALTERNATOR

MP 15893



Rep	Nature de la modification	Date · Visa
C		
B		
A		

Matière	Traitement	Protection	Poids	Echelle	
–	–	–	–	–	Dés. par : Brossier Date : 2 . 2 . 76 Vérif. par :

Quant. par appareil –

Tolér. gén. –

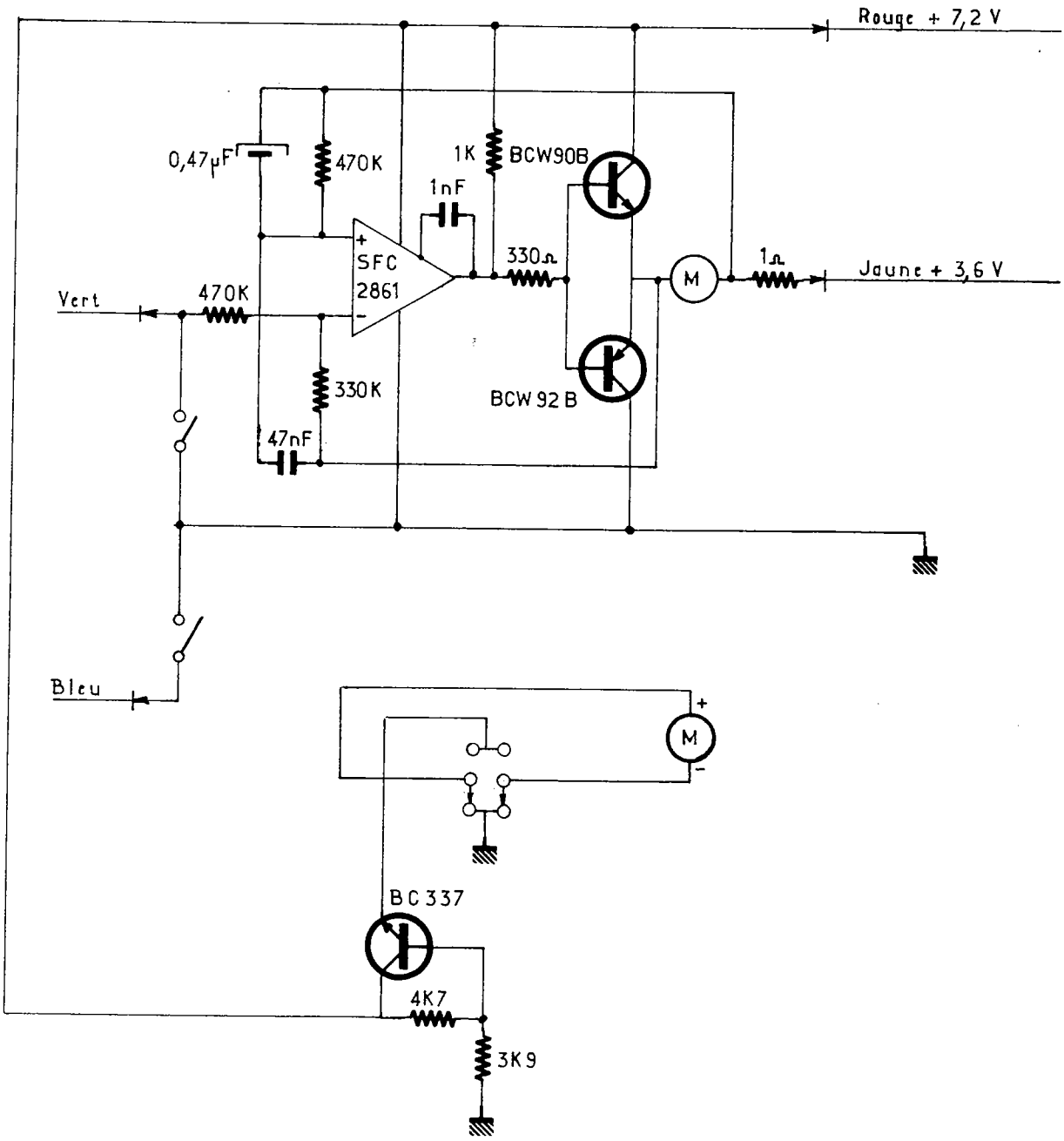
N° de modif.

Schéma de cablage

Objectif auto 3008 S multispeed

BEAULIEU

N° 15917



Rep	Nature de la modification	Date · Visa
C		
B		
A		

Matière	Traitement	Protection	Poids	Echelle	
–	–	–	–		Dés. par : Brossier Date : 10 · 5 · 76 Vérif. par :

Quant. par appareil –

Tolér. gén.: –

N° de modif.

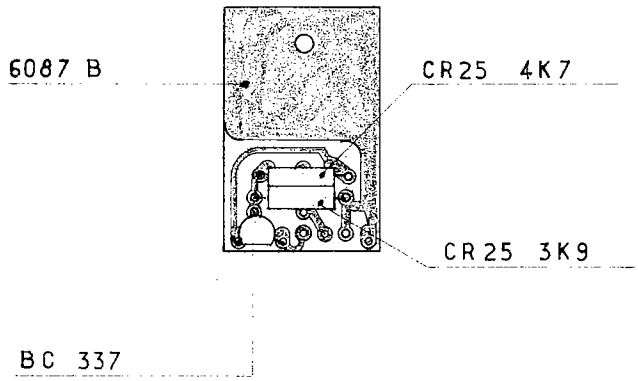
Schéma
de principe objectif

Caméra 3008 S multispeed

Zoom

BEAULIEU

N° 15918



Rep	Nature de la modification	Date . Visa
C		
B		
A		

Matière	Traitement	Protection	Poids	Echelle	
–	–	–	–	1	Dés. par : Brossier Date : 10 . 5 . 76 Vérif. par :

Quant. par appareil 1

Tolér. gén.ᵗ –

N° de modif.

Circuit

zooming complet

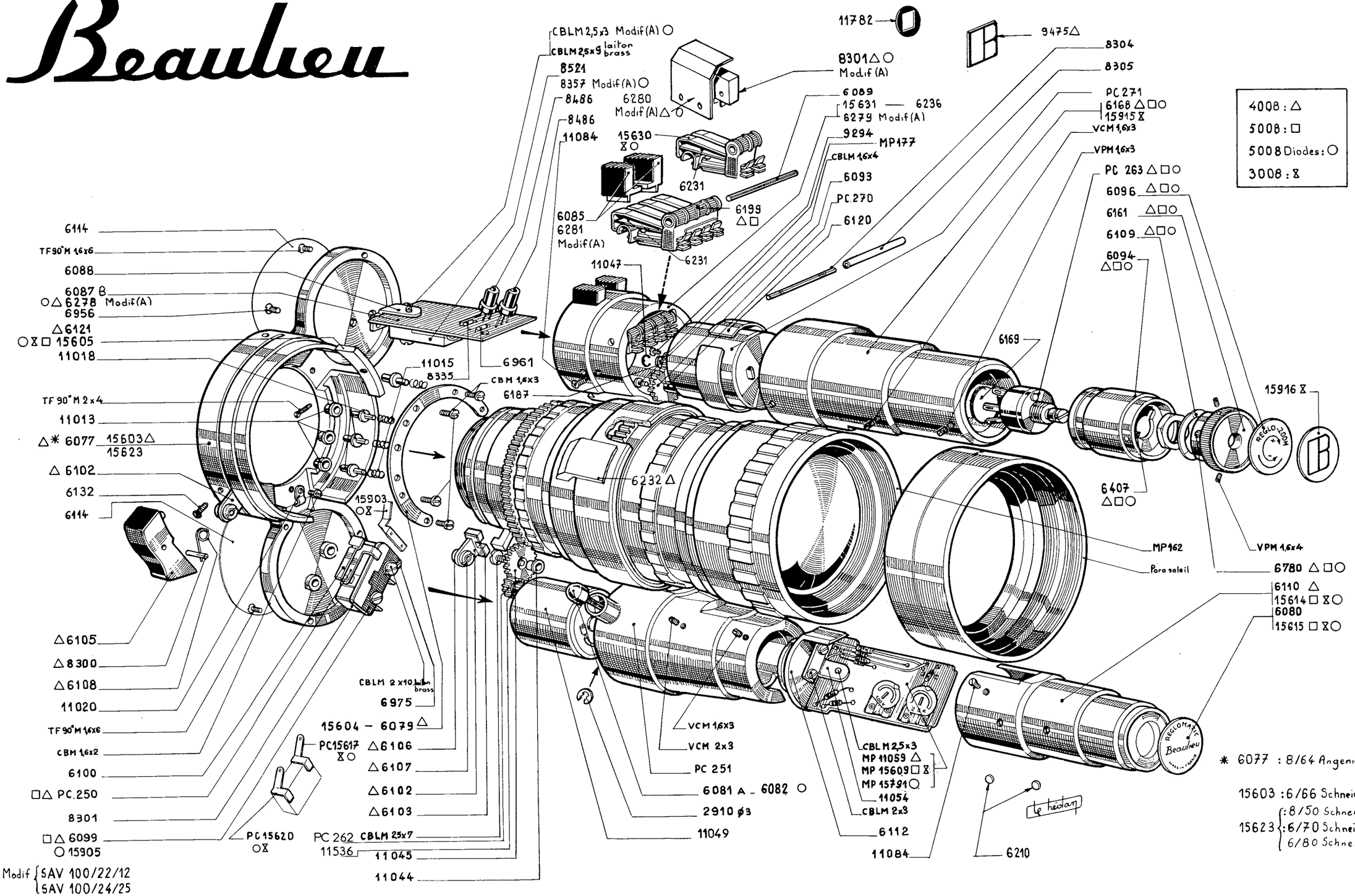
Caméra 3008 S multispeed

BEAULIEU

N° PC 15913

SADIA-PARIS-HORBOURG

Beaulieu



Mise A Jour 05.77 SAV 90/22.24