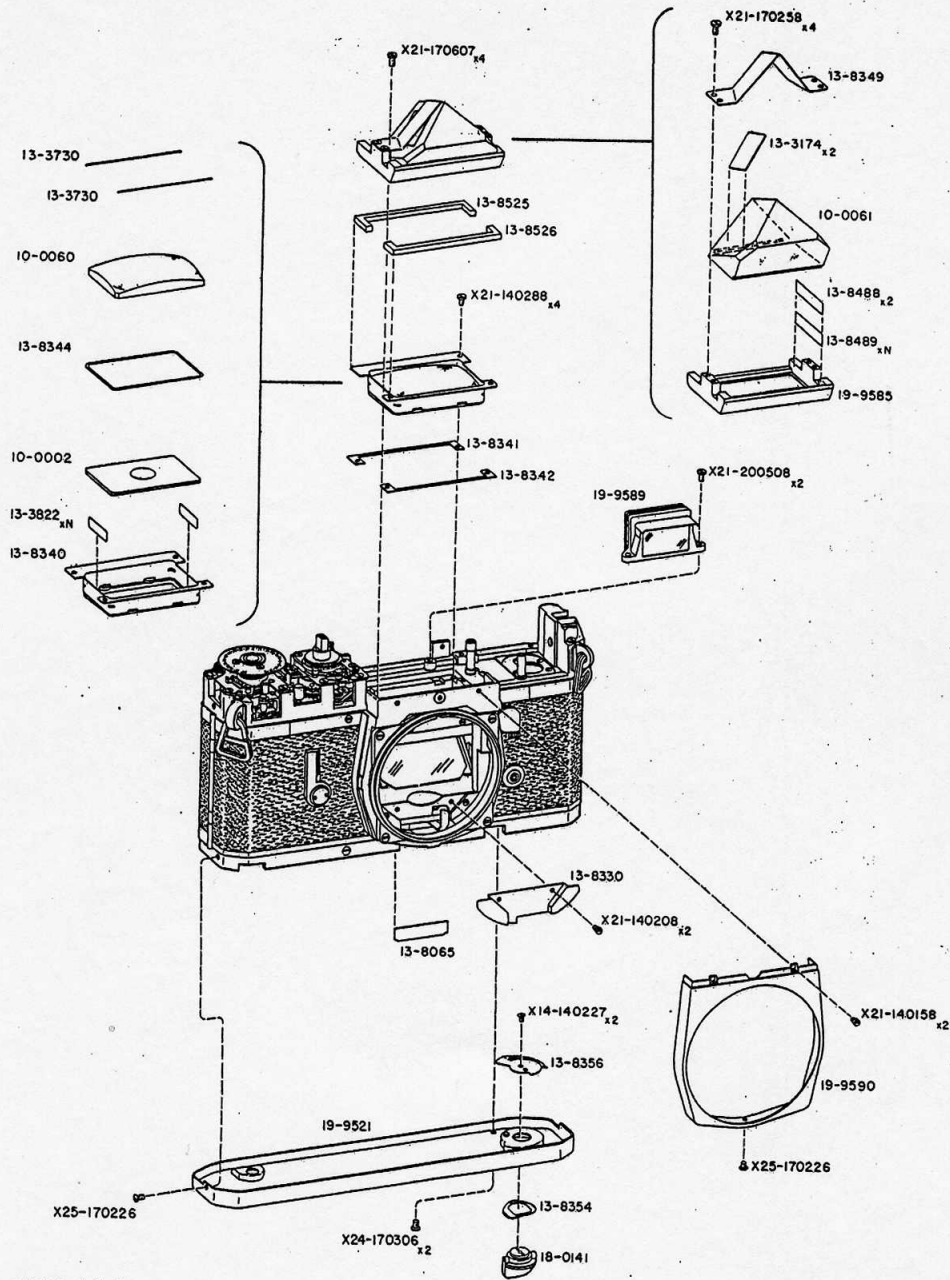


CANON REPAIR MANUAL

CANON CAMERA MODEL FX

(REFERENCE NO. 1-20301)



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CANON CAMERA COMPANY, INC.

TOKYO, JAPAN

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HOW TO USE THIS SERVICE MANUAL

Canon Service Manual consists of the following six sections: General, Repair Manual, Repair Guide, Service Tools List, Price List of Spare Parts and Service Manual Reports, which will be issued if the outward appearance, function or design of the product is changed. These six sections are divided by index sheets for easy identification.

GENERAL

The General section consists of information useful to the repairman. It may consist of any or all of the following: technical specifications, design principals, circuit explanations, new or unusual repair technics, or any other information useful to the repairman.

REPAIR MANUAL

1. Repair Manual consists of the Exploded Views, Parts List of various portions of the product and Index of Parts Numbers.
2. Parts shown in an Exploded View are all listed on its right page being classified according to their mechanism.
3. An Exploded View and its corresponding Parts List are arranged under the same page number.
4. The Exploded Views are arranged according to the correct procedure of disassembling the Canon product but you may not always follow this order exactly when you remove a certain part. Sometimes you can carry out your purpose by removing only one part of this disassembling procedure.
5. The Table of Contents is arranged in the names of each mechanism. When you want to identify a part in exposure meter, see the item, EXPOSURE METER in the table and see the page indicated.
6. Such a part as 19-9775 that can be disassembled into still more several parts is shown in the Parts List with the explanatory indented column.

e.g. 19-9775 Top Cover (B.P.)
 13-7095 Meter Window
 13-7160 Counter Window

7. When more than one piece of an identical part is used in a portion of the product, we indicate it by multiplying the part's name by its quantity.

e.g. X24-170228 Screw × 4

8. When several part numbers are shown in square brackets, choose the suitable one of these parts according to the condition.

e.g. $\left[\begin{array}{l} \text{X32-505211} \\ \text{X32-505212} \end{array} \right]$ Washer × N

For the most cases, the difference is in thickness of the washer.

9. When a part name is multiplied by N as in

X32-504621 Washer × N,

use suitable numbers of the part according to the condition.

10. (B.P.) is the abbreviation of Bonding Part.

11. The part number of the part which can be supplied as a separate service part though it is one of the components of a bonding part, such as the Window or the Light Shield, is shown in the round brackets. The bonding part in this case includes those parts above said when ordered as the form of the bonding part.
12. When you want to identify a part from its part number, see the Index of Parts Numbers at the end of the repair manual.

REPAIR GUIDE

1. On the supposition of the most various troubles with the products that might happen, Repair Guide presents as many troubles, causes and remedies for them as possible. But we Canon Inc. firmly believe that none of these troubles can happen.
2. The troubles are classified according to their mechanism as they are shown in the Table of Contents. Several causes are shown to one trouble and the remedies are arranged according to the causes.

SERVICE TOOLS LIST

1. Service Tools List is the list in which the names and uses of the testing equipments required for the service after sales are given.
2. As for the specifications and uses about these testing equipments in details, refer to the instruction the Service Manual Report prepared for each testing equipment.
3. Special screwdrivers are listed in numerical order, e.g, in the sign of a special screwdriver T06A-13-8033-1, the number 13-8033 stands for the parts number of the parts which should be attached or removed by this special screwdriver.

PRICE LIST OF SPARE PARTS

1. Price List of Spare Parts presents the unit price of the service parts you received from us.
2. The unit price is F.O.B. Tokyo/Yokohama.
3. The page number on the Repair Manual in which each part is described is shown on the right side of each part so that you may easily identify.
4. All the prices of the Spare Parts on the Price List section are subject to change without notice.

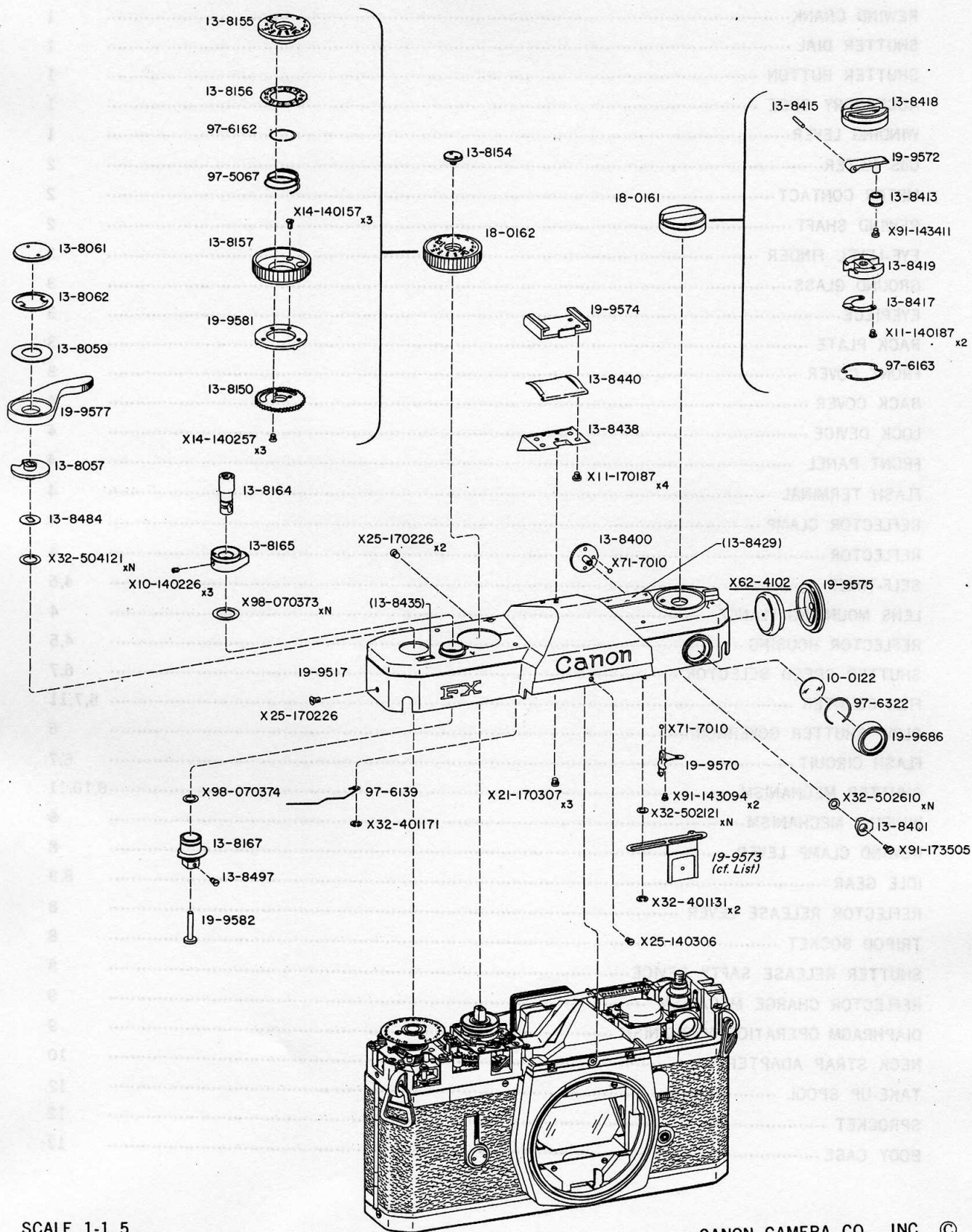
SERVICE MANUAL REPORT

Service Manual Report is for the purpose of giving a prompt and exact information when some revisions are made on the products, namely, when the products are partly changed by the rationalization of production, the development of function, change of outward appearance and so on. Therefore, Service Manual Report is to be published whenever any revision is made on the products.

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EXPLODED VIEW
of
CANON CAMERA MODEL FX



SCALE 1-1.5

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PARTS LIST

TOP COVER

10-0122	Frsnel Lens
13-8400	Meter Switch Knob
13-8401	Meter Switch Cam
19-9517	Top Cover (B.P.)
13-8429	Meter Window
13-8435	Counter Window
19-9573	Pin Hole Filter (B.P.)
n.b. This parts is included in the Meter Unit 18-0131 and not supplied as a single parts (cf.p.2).	
19-9570	Click Spring (B.P.)
19-9575	Battery Cap (B.P.)
19-9686	CdS Window (B.P.)
97-6322	Spring
X25-140306	Screw
X25-170226	Screw × 3
X32-401131	Retaining Washer × 2
X32-502121	Washer × N
X32-502122	Washer × N
X32-502610	Washer × N
X32-502611	Washer × N
X71-7001	Steel Ball × 2
X91-143094	Screw × 2
X91-173505	Screw
X62-4102	Mercury Battery

n.b. Mercury Battery has a parts number X62-4162, but
it is not dealt with one of the repair parts.

REWIND CRANK

18-0161	Rewind Crank (Unit)
13-8413	Rewind Crank Head
13-8415	Pivot
13-8417	Click Spring
13-8418	Rewind Knob
13-8419	Rewind Crank Holder
19-9572	Rewind Crank (B.P.)
97-6163	Spring
X11-140187	Screw × 2

SHUTTER DIAL

13-8154	Pin Face Screw
18-0162	Shutter Speed Dial (Unit)
13-8150	Film Speed Setting Disk
13-8155	Shutter Speed Dial
13-8156	Film Speed Dial
13-8157	Knurled Knob
19-9581	Film Speed Setting Claw (B.P.)
97-5067	Coil Spring
97-6162	Spring
X14-140157	Screw × 3
X14-140257	Screw × 3

SHUTTER BUTTON (cf. p. 9)

13-8164	Shutter Button
13-8165	Shutter Button Ring
13-8167	Shutter Button Sleeve
13-8497	Guide Screw
19-9582	Shutter Button Shaft (B.P.)
97-6139	Spring
X10-140226	Screw × 3
X32-401171	Retaining Washer
X98-070372	Washer × N
X98-070373	Washer × N
X98-070374	Washer × N

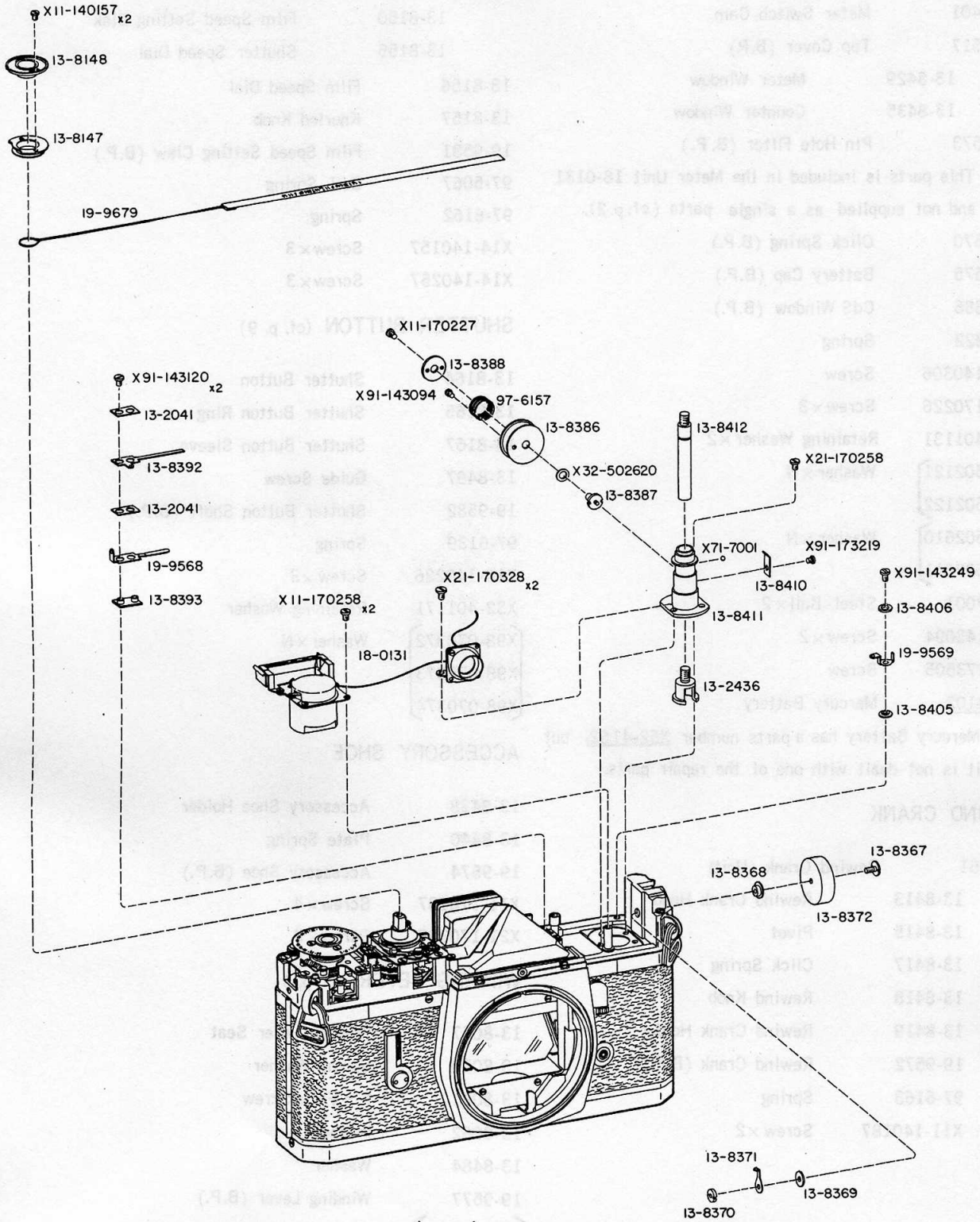
ACCESSORY SHOE

13-8438	Accessory Shoe Holder
13-8440	Plate Spring
19-9574	Accessory Shoe (B.P.)
X11-170187	Screw × 4
X21-170307	Screw × 3

WINDING LEVER (cf. p. 8)

13-8057	Winding Lever Seat
13-8059	Spring Washer
13-8061	Pin Face Screw
13-8062	Washer
13-8484	Washer
19-9577	Winding Lever (B.P.)
X32-504121	Washer × N
X32-504122	Washer × N

EXPLODED VIEW of CANON CAMERA MODEL FX



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PARTS LIST

CdS METER (cf. pp. 1 & 12)

13-8147	Pulley
13-8148	Pulley Cap
13-8386	Pulley
13-8387	Pulley Shaft
13-8388	Spring Hanger
18-0131	CdS Meter (Unit)

(It contains 19-9573, Pin Hole Filter)(B.P.)(cf.P.1).

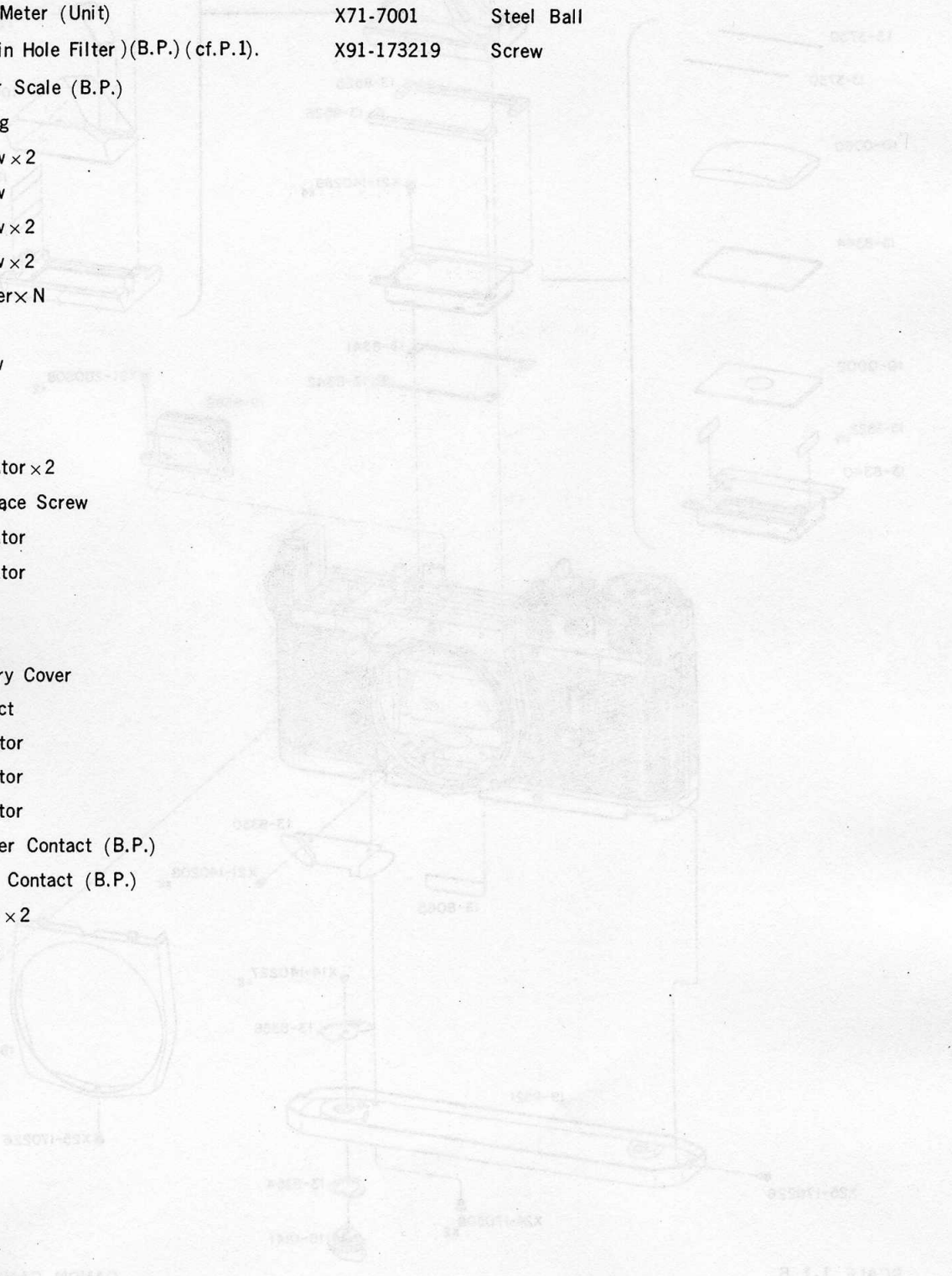
19-9679	Meter Scale (B.P.)
97-6157	Spring
X11-140157	Screw × 2
X11-170227	Screw
X11-170258	Screw × 2
X21-170328	Screw × 2
X32-502620	Washer × N
X32-502621	
X91-143094	Screw

METER CONTACT

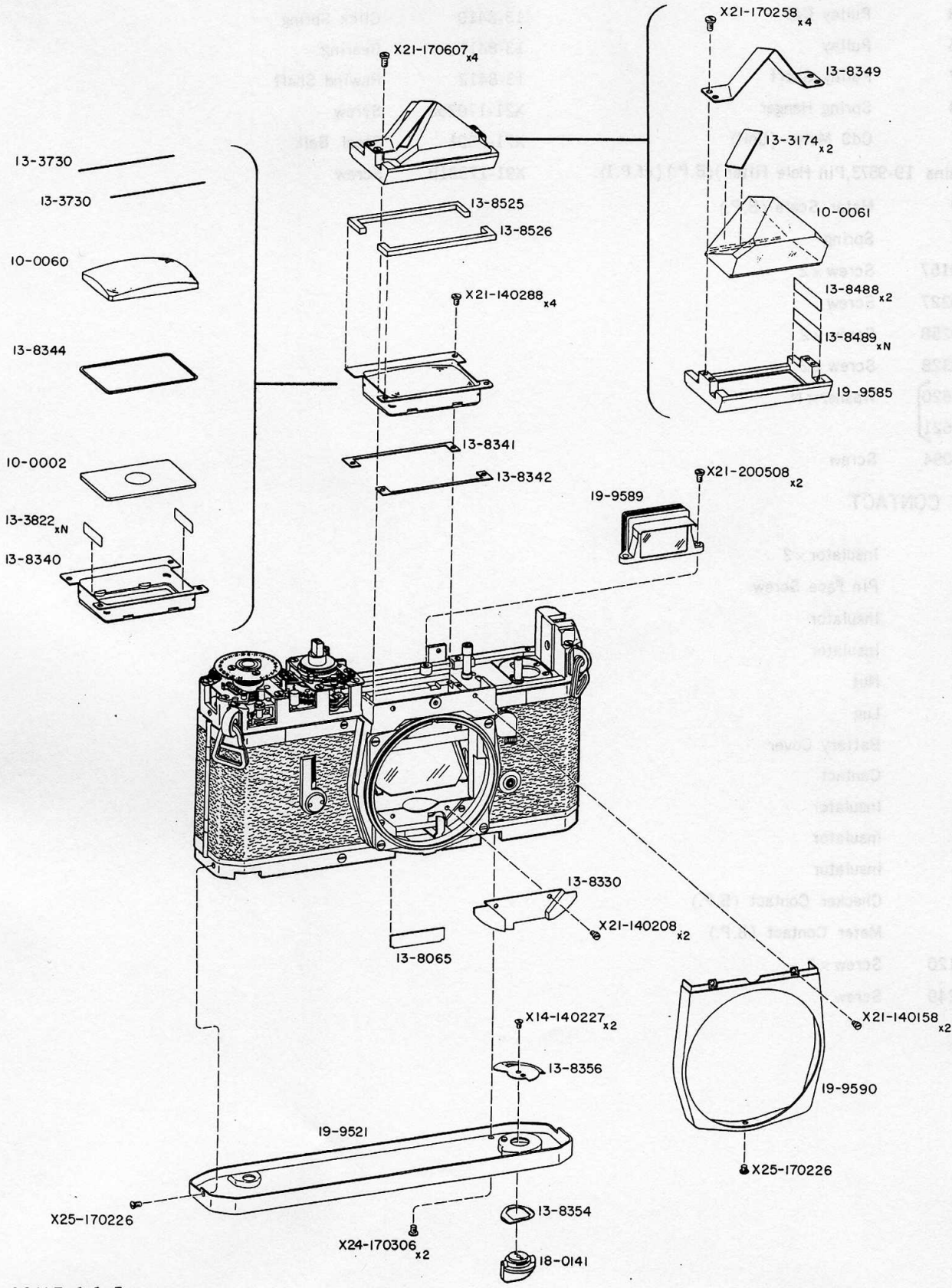
13-2041	Insulator × 2
13-8367	Pin Face Screw
13-8368	Insulator
13-8369	Insulator
13-8370	Nut
13-8371	Lug
13-8372	Battery Cover
13-8392	Contact
13-8393	Insulator
13-8405	Insulator
13-8406	Insulator
19-9568	Checker Contact (B.P.)
19-9569	Meter Contact (B.P.)
X91-143120	Screw × 2
X91-143249	Screw

REWIND SHAFT (cf. p1)

13-2436	Rewind Fork
13-8410	Click Spring
13-8411	Bearing
13-8412	Rewind Shaft
X21-170258	Screw
X71-7001	Steel Ball
X91-173219	Screw



EXPLODED VIEW of CANON CAMERA MODEL FX



SCALE 1-1.5

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PARTS LIST

EYE-LEVEL FINDER

10-0061	Pentaprism
[13-3174(0.7)]	Cork
[13-3174(1)]	Such numbers(0.7), (1) and(1.4) indicate thickness of Corks. (unit:mm)
[13-3174(1.4)]	
13-8349	Pentaprism Supporter
13-8488	Shim×2
13-8489	Shim×N
13-8525	Light Shield
13-8526	Light Shield
19-9585	Pentaprism Box (B.P.)
X21-170258	Screw×4
X21-170607	Screw×4

GROUND GLASS

[10-0002]	Ground Glass
[10-0024]	
10-0060	Condenser Lens
13-3730	Retainer×2
[13-3822(0.2)]	Adjusting Washer×N
[13-3822(0.3)]	Such numbers(0.2), (0.3) and(0.4) indicate thickness of Adjusting Washers. (unit: mm)
[13-3822(0.4)]	
[13-3822(0.5)]	
13-8340	Ground Glass Holder
[13-8341(0.03)]	Adjusting Washer×N
[13-8341(0.05)]	Such numbers(0.03), (0.05) and(0.07) indicate thickness of Adjusting Washers. (unit: mm)
[13-8341(0.07)]	
[13-8341(0.1)]	
[13-8341(0.2)]	
[13-8342(0.03)]	Adjusting Washer×N
[13-8342(0.05)]	Such numbers(0.03), (0.05) and(0.07) indicate thickness of Adjusting Washers. (unit:mm)
[13-8342(0.07)]	
[13-8342(0.1)]	
[13-8342(0.2)]	
13-8344	Mask
X21-140288	Screw×4

EYEPIECE

19-9589	Eyepiece (B.P.)
X21-200508	Screw×2

BASE PLATE

[13-8065(0.9)]	Light Shield
[13-8065(1.2)]	
13-8354	Spring Washer
13-8356	Back Cover Lock Lever
18-0141	Back Cover Lock Key (Unit)
19-9521	Base Plate (B.P.)
X14-140227	Screw×2
X24-170306	Screw×2
X25-170226	Screw

FRONT COVER

13-8330	Light Shield
19-9590	Front Cover (B.P.)
X21-140158	Screw×2
X21-140208	Screw×2
X25-170226	Screw

PARTS LIST

BACK COVER

13-8326	Hinge
13-8327	Shaft of Hinge
13-8338	Cassette Holder
13-8426	Roller Holder
13-8427	Anti-curl Roller
13-8521	Collar
19-9520	Back Cover (B.P.)
13-8431	Leather
19-9584	Pressure Plate (B.P.)
X24-170228	Screw × 3
X93-140033	Screw × 4

LOCK DEVICE

13-8364	Cover Plate
19-9562	Hook (B.P.)
97-5065	Coil Spring
X14-140227	Screw × 2

FRONT PANEL

13-8432	Leather
13-8433	Leather
13-8480	Cover
13-8516	Light Shield
13-8517	Light Shield
19-9518	Front Panel (B.P.)
X24-170358	Screw × 4
X24-170508	Screw × 5
X95-170013	Screw

FLASH TERMINAL

13-8320	Nut
19-9278	Flash Terminal (B.P.)

REFLECTOR CLAMP (cf. p. 5)

13-8307	Reflector Clamp Knob
19-9556	Cam (B.P.)
19-9558	Reflector Clamp Lever (B.P.)
19-9688	Click Spring (B.P.)
X11-120123	Screw × 2
X32-502120	Washer × N
X32-502121	
X91-143007	Screw
X96-142171	Screw

REFLECTOR

13-8275	Reflector Shaft
13-8277	Collar × 2
13-8343	Light Shield
13-8346	Light Shield
18-0165	Reflector (Unit)
97-4065	Screw
97-6148	Spring
97-6161	Spring
X21-140188	Screw

SELF - TIMER (cf. p. 6)

13-0991	Self-timer Bearing
13-0993	Coupling Joint
13-0995	Spring Washer
13-0998	Pin Face Screw
13-2218	Self-timer Lever
13-2294	Coupling Joint
X24-140228	Screw × 2
X91-142201	Screw
X98-030125	Washer × N

LENS MOUNTING FLANGE

X32-502120	Adjusting Washer × N
X32-502121	Such numbers (0.05), (0.1) and (0.2) indicate thickness of Adjusting Washers.
X32-502122	(unit: mm)

13-8331	Lens Mounting Flange
X24-200407	Screw × 4
X32-502120	Washer × N

X32-502121	
X32-502122	
X98-020205	Washer × N
X98-020206	

REFLECTOR HOUSING (cf. p. 5)

Y00-0456	Reflector Housing (Unit)
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