

Canon SERVICE MANUAL REPORT

Serial No. AL 5-007 E

Service Manual No. L-005

Issued by Camera Service Department, Canon Inc.

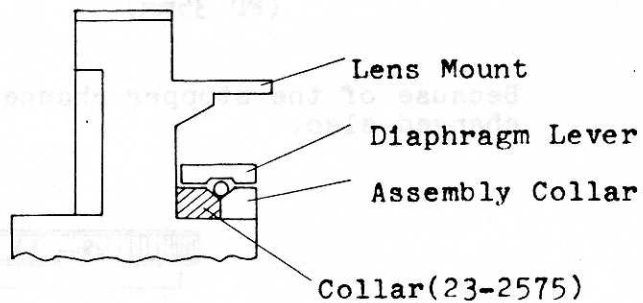
Date 1971 / 7 / 29

Canon FD WIDE ANGLE Lenses Changes

1. FD 17mm 1:4 Design Change

1.1 Change

To improve quality, the cross-hatched part has been removed from the lens mount and made a separate part [Collar(23-2575)].



1.2 Repair

Camera Service will stock only the new lens mount and the collar. If an old mount is replaced with a new one, be sure to add the collar also.

2. FD 24mm 1:2.8 Lubrication

2.1 Change

To insure the bell crank of the diaphragm always works smoothly the part of the lens barrel that it touches has been coated with baked-on dry lubricant paint.

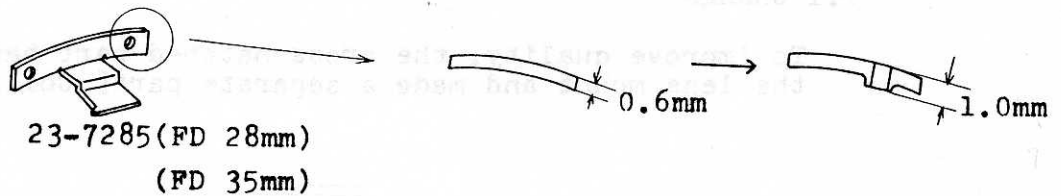
2.2 Repair

No repair necessary.

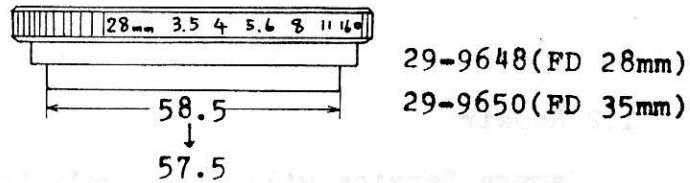
3. FD 28mm 1:3.5 , FD 35mm 1:3.5 Bayonet Stopper

3.1 Change

Bayonet Stopper(23-7285) had a tendency to crack around the screw holes, so the ends of the stopper around the screw holes have been thickened as shown in the drawing.



Because of the stopper change, the aperture scale ring has been changed also.



3.2 Repair

Old and new parts are interchangeable, but if the new stopper is used, the new aperture ring must be used also. Camera Service will stock only new parts.

Canon FD TELEPHOTO LENS Changes

1. Change

A special grease was used on the bell crank and its friction surface on the lens barrel on several FD Telephoto lenses. It has been replaced with a baked-on dry lubricant paint.

Note: The 135mm 1:2.5 had both the special grease and the dry lubricant, but the grease is no longer used.

FD Lens	Dry Lubricant paint is baked-on the bell crank friction surface the lens barrel.
	Lens Barrel No.
100mm 1:2.8	29-9596
135mm 1:2.5	29-9591
135mm 1:3.5	29-9529
100 -200mm 1:5.6	29-9552
300mm 1:5.6	29-9515

2. Repair

If diaphragm unit does not work well, remove the grease from the bell crank and friction surface.

Canon SERVICE MANUAL REPORT

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Canon FD STANDARD LENS Change

1. Change

A special grease was used on the bell crank friction surface, but it was found that the diaphragm action sometimes becomes sluggish in cold weather so this grease is no longer used.

2. Repair

If the diaphragm does not work properly, clean the grease from the bell crank and lens barrel.

3. Later lens have a special lubricant paint instead of the grease.

Canon SERVICE MANUAL REPORT

Serial No. AL 7-008 E

Service Manual No. L-007

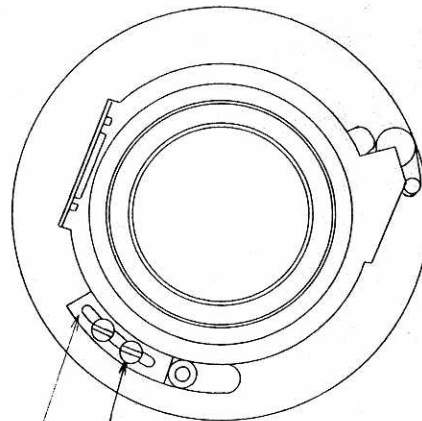
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Date 1971 / 5 / 28

Canon FD TELEPHOTO LENS 135mm 1:2.5, 100-200mm 1:5.6 Zoom Changes

1. Change

With the Cam Ring and the Diaphragm Rotor set fully open, the aperture leaf sometimes touches the bell crank. To prevent this a stopper has been added. Its part number is 23-7433 and it is held by two screws (X91-143160).



28-0306 (100-200mm Zoom)
28-0326 (135mm 1:2.5)

X91-143160 x 2 (Added)

23-7433 (Added)

New Parts

Part Number	Class	Description
23-7433	D	Stopper

2. Repair

The stopper cannot be installed on old lens barrels. Camera Service will stock only new lens barrels. The part number is not changed.

Canon FD (Wide Angle) Lenses Improvements

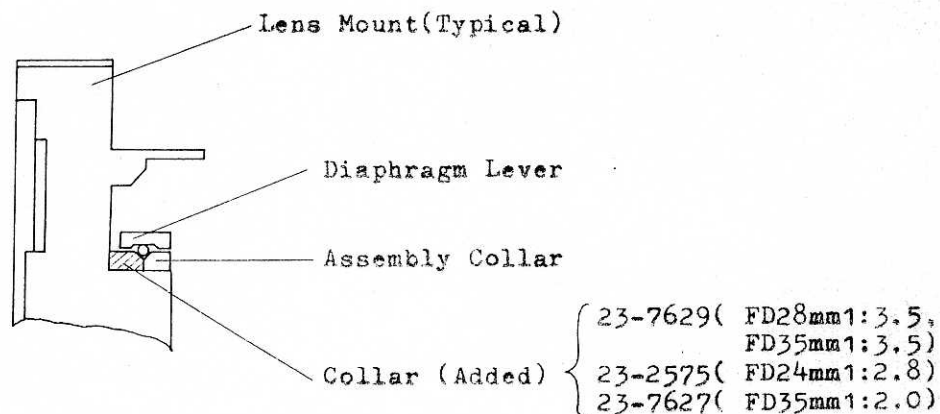
1. Bell Crank Friction Surface Change (FD 28mm 1:3.5, FD35mm 1:3.5 and FD 35mm 1:2.0)

To insure smooth operation of the diaphragm, the bell crank friction surface on the lens barrel is now painted with a special baked-on dry lubricant paint.

2. Lens Mount

- 2.1 Lens Mount Change (FD24mm 1:2.8, FD28mm 1:3.5, FD35mm 1:3.5, FD35mm 1:2.0)

To improve quality the following changes have been made to the lens mount. The shaded part shown in the drawing was originally part of the lens barrel. It is now a separate collar (See the drawing for the part numbers.). The plating of the Assembly Collar has also been changed from black nickel to nickel chrome.



- 2.2 Repair

Lens Mounts and Assembly Collars are interchangeable. The new collar must be used with the new lens mount.

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