

NIKON F4

Batteries: AA-size for 6V power system (4 batteries for MB-20 battery pack, 6 batteries for MB-21 battery pack), negative ground
Product number: FAA23051

QUICK REFERENCE

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ADJUSTMENT LOCATIONS

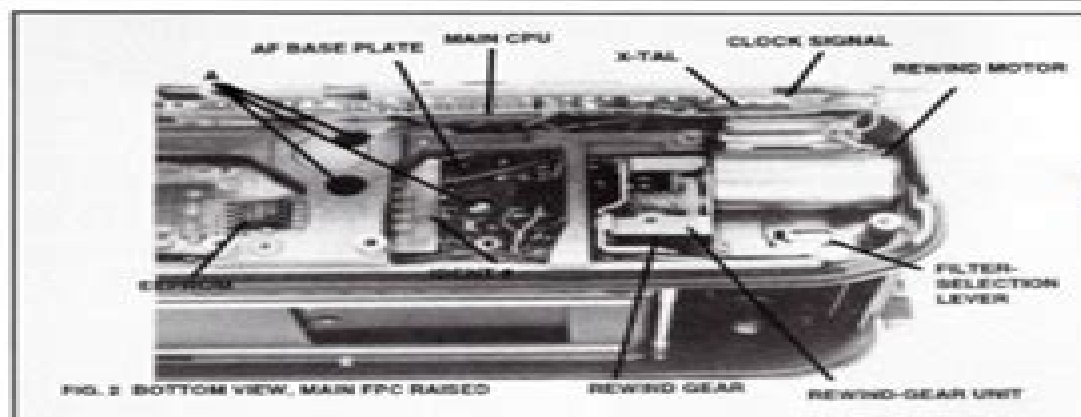
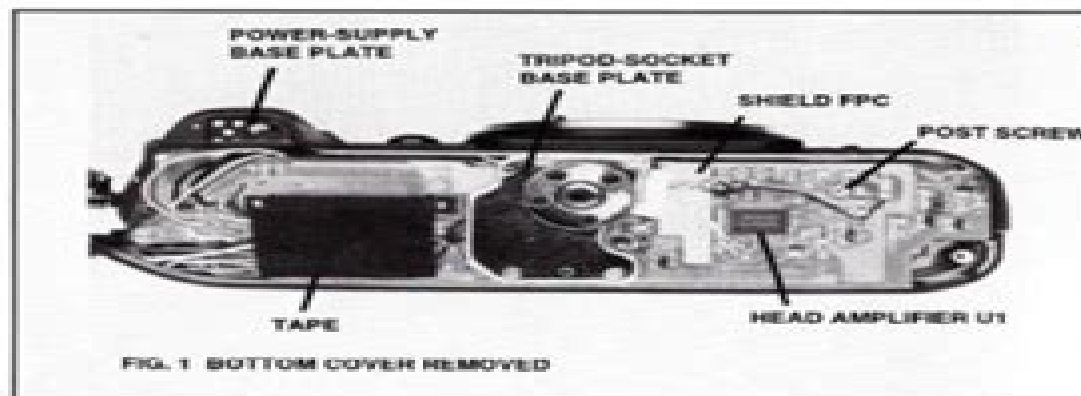
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CCD position	A*
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Travel time, 2nd curtain	I
Travel time, 1st curtain	J**

*normally do not disturb unless you have access to the Nikon computer interface

**reach from the front, mirror box removed, Fig. 13—the 1st-curtain adjustment is near the bottom of the shutter block.

ADJUSTMENT VALUES

Curtain-travel time: 2.2ms (20mm distance), 2.5ms (22mm distance), 2.9ms (24mm distance)
Curtain-travel direction on release: top to bottom
Flange-focal distance: 46.67 ± 0.02 mm (flange to outer rails)



CCD-adjustment screws, initial settings: 2 1/2 turns (turn in each screw fully, then back out 2 1/2 turns)

Note: If you're adjusting the CCD position with the computer, remove the tripod-socket base plate, the tape holding the wires, and the 3 screws holding the bottom of the main FPC, Fig. 1. Then raise the main FPC, Fig. 2, to reach the CCD adjustment screws. The extra length of the wires allows you to raise the main FPC.

Sprocket timing: With the sprocket in the latched position, a sprocket tooth should be positioned as shown

in Fig. 5—32.4mm from the lead edge of the focal-plane aperture.
Flash-sync speed: 1/242 (marked 1/250)

AF shaft, height: 1.6 ± 0.1 mm above lens-mounting ring in AF mode. Adjust with screw H, Fig. 15.

Test voltages:

V-BAT. 6V supplied to camera by battery pack. Check at the orange wires, bottom of main FPC at release end.

VCC. 6V supplied to circuit when power switch is closed. Check at the gray wire, bottom of main FPC.
DS.5V. 5.5V operating voltage supplied by the DC/DC converter

Nikon F4s Repair Manual

Rosina Ehmann



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