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Nikon

CORDLESS BATTERY PACK

for Nikon Motor Drive F-36



INSTRUCTION MANUAL



Nikon CORDLESS BATTERY PACK

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1. Introduction

The cordless battery pack is one variation of battery packs for the Nikon F-36 motor drive. It attaches directly to the base of the motor drive, making the camera, motor drive and battery pack one integrated, convenient unit. The pack adds nothing to the length and width of the camera body but adds only 34mm to the height.

It is of such dimensions that the camera may accept any of interchangeable Nikkor lenses and close-up attachments with the battery pack in position.

The battery pack consists of the main body and the terminal adapter. The main body carries its own release button and the S-C switch so that the motor drive can also be controlled at the battery pack. A neckstrap and DC plug come with the battery pack.







Nikon CORDLESS BATTERY PACK

2. Battery Installation

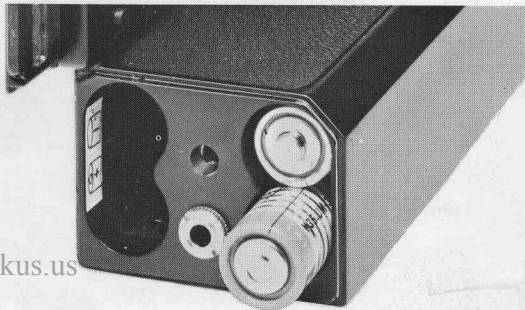
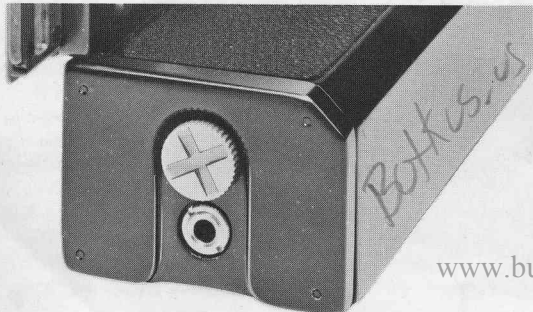
The cordless battery pack accommodates eight AA-type 1.5V dry cell batteries to power the F-36 motor drive. A set of batteries will normally supply power enough to shoot more than ten rolls of 36-exposure film.

Battery installation and replacement are easily carried out by unscrewing the battery chamber cover using a small coin. When installing batteries, make sure that the positive (+) and negative (-) polarity marking is correctly followed as shown inside the battery chamber.

Note:

The battery capacity is difficult to assess in terms of 36-exposure lengths, owing to many variable factors; however, with intermittent use, about 15 cassette loads may be exposed with one set of batteries, as a rough guide. A 20 percent voltage drop under load indicates the necessity for immediate replacement.

Ordinary zinc-carbon batteries may be used, but alkaline batteries are recommended as they have a longer operating life. At very low temperatures below 14°F (-10°C), zinc-carbon batteries cease to function. Alkaline batteries can be used down to -4°F (-20°C).





3. External DC Power Supply

The cordless battery pack has the external DC power supply socket beneath the fastening screw on the battery chamber cover. Connect this socket to the external power supply by means of the DC plug which comes with the battery.

The DC power supply must provide current of 0.4A at 12V and must be smoothed to keep the power pack circuitry free from damage. Voltage must not rise over 16V.

When linking the external DC power supply, make sure that the positive and negative (+ and -) terminals are followed as shown by the illustration at left.



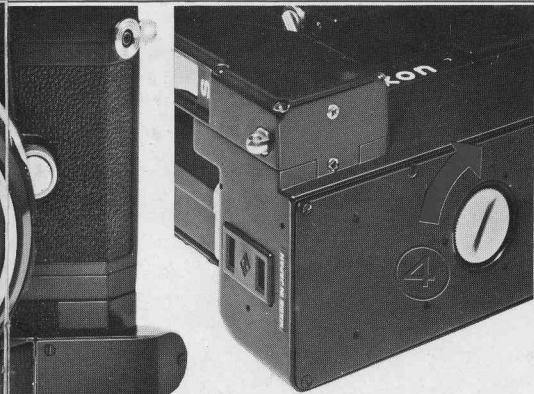
Nikon CORDLESS BATTERY PACK

4. Attaching to the Motor Drive

To fit the cordless battery pack to the motor drive, first insert the terminal adapter into the terminal of the motor drive, connect the main body to the terminal adapter and tighten the motor drive attaching screw to the tripod socket on the baseplate of the motor drive using a coin or the like. Finally depress and tighten the fastening knob on the front of the pack to hold the battery pack firmly in position. Film can be loaded or unloaded without taking the trouble of removing the battery pack. Loosen the fastening knob and turn the lock on the camera baseplate to the "open" position. The camera back will then slide free of the camera body.

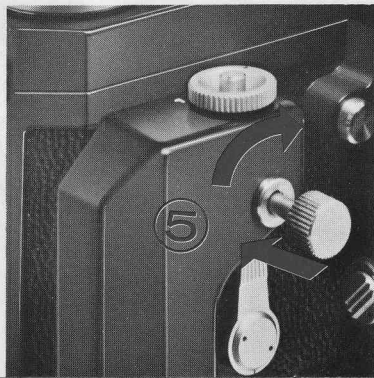


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5. Controls of Motor Drive

Like the standard battery pack, the cordless battery pack carries its own release button and S-C switch so that it may also control the motor drive at the battery pack. The S-C switch provides selection of either single or continuous shooting. Set the S-C switch at "S" to give a single exposure or at "C" for continuous shooting. The battery pack also has a lock ring around the release button to guard against unintentional firing between takes. To lock the release button, turn the milled ring until the black dot lines up with the "L" mark. The remote control socket on the side of the battery pack is used to establish a trigger circuit in conjunction with a remote switch, timer or wireless receiver.





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