

Ricoh 240

SPEEDLIGHT

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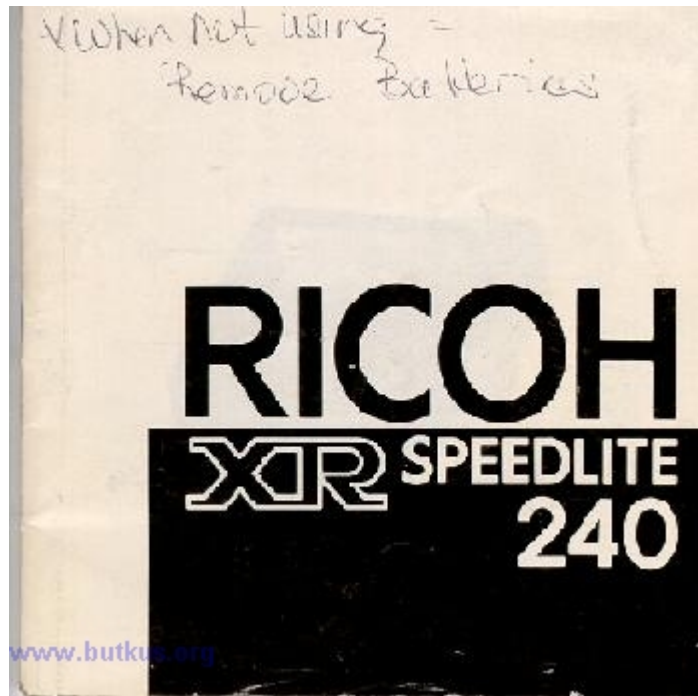
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PARTS

1. AUTO/MANUAL CONTROL SWITCH
2. ON/OFF SWITCH
3. NEON READY LAMP
4. BATTERY COMPARTMENT OPEN BUTTON

5. BATTERY COMPARTMENT COVER



6. TEST BUTTON

7. LOCK RING

8. MOUNTING FOOT

9. EXPOSURE TABLE

10. SYNCHRO CORD SOCKET

11. FLASH WINDOW

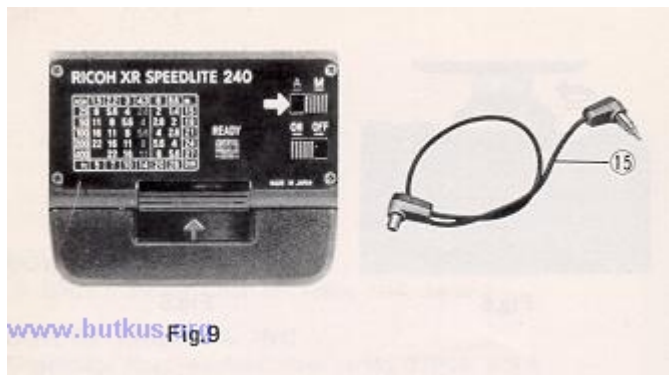
12. ELECTRIC EYE



13. HOT SHOE CONTACT

14. FLASH READY SIGNAL CONTACT

15. SYNCHRO CORD



When using the XR Speedlite 240 with the XR-2s, set the shutter-speed to "Auto". When the flash is charged and the Neon Ready Lamp is lit, the shutter-speed is automatically synchronized at 1/90 second. This avoids the trouble of having to set the speed yourself or of badly exposed photographs. With the XR-1s and XR-2s, the Flash LED on the viewfinder eyepiece lights up red to indicate the flash is charged, so that you need not take your eye off the viewfinder to check the flash unit...

INSERTING THE BATTERIES

1. Open the Battery Compartment Cover by pushing the Battery Compartment Cover Open Button (4) up. (Fig. 1)
2. Insert 4 penlight (M size) batteries according to the polarity diagram inside the Battery Compartment, then close the Battery Compartment Cover (5). (Fig. 2)



TESTING THE FLASH UNIT

1. Set the ON/OFF Switch (2) to "ON", and the Neon Ready Lamp will light up with a charging sound in about 10 seconds. (Fig. 3)–
2. If the flash unit flashes when you press the Test Button (6) it is functioning correctly. (Fig. 4)

TIPS FOR BETTER RESULTS

- * If there is no charging sound when you set the ON/OFF Switch to "ON", check the batteries for correct insertion, if the batteries are correctly inserted, change the batteries.
- * If the Neon Ready Lamp (3) does not light up within 30 seconds of seeing the switch to "ON" the batteries are worn out, and all batteries should be changed to new ones of the same kind.
- * If the flash is not going to be used for a period of 2 weeks or more, remove the batteries.

MOUNTING THE FLASH UNIT ON TO THE CAMERA

1. Loosen the Lock Ring (7) and engage the flash unit fully onto the Camera Hot Shoe, then tighten the Lock Ring (7) (Fig. 5)

TIPS FOR BETTER RESULTS

* For cameras without a hot-shoe attachment, use the Synchro-cord (15) supplied to connect the Flash Unit to the camera.

* Do not use the Flash with other makes of cameras that have a special signal pin, as this will result in incorrect exposure or may even damage the camera circuitry.

AUTOMATIC FLASH SHOTS

The range for automatic flash shots is for distances from 1 meter (3.3 ft) to 4.3 meters (14.3 ft) with ASA 100 film.

1. Set the Auto/Manual Control Switch to 'A' (Fig. 6)
2. Set the shutter speed to a synchronizing speed according to the table below...

CAMERA	SYNCHRONIZING SPEED
XR-2s	Auto(1/90),B,X,4~1/125
XR-1s	B. 1~1/125
Others	Refer to instructions with the camera



3. To obtain the correct exposure for the ASA/DIN film you are using, check the table below for the F-stop seeing. With ASA 100 film, the F-stop seeing should be at F5.6. (Fig 7)

Film Speed	ASA	25	50	100	200	400
	DIN	15	18	21	24	27
F-Stop	F	2.8	4	5.6	8	11

4. Set the ON/OFF switch (2) to "ON", and when the Neon Ready Lamp (3) is lit, the flash is ready for use. With the XR-1s and XR-2s the Flash LED on the viewfinder eyepiece will light up red indicating that the flash is ready for use. Just focus on the subject and release the shutter (Fig. 8).

TIPS FOR BETTER RESULTS

* For distances outside the range of automatic flash shots which cannot be exposed by the flash unit, set the switch to "Manual" and consult the exposure calculation table to obtain the correct F-stop.

MANUAL FLASH SHOTS

1. Set the Auto/Manual Switch to "M" (Fig. 9).---
2. Set the shutter speed to a synchronizing speed according to the instructions with the camera.
3. Focus on the subject and read off the distance from the camera to subject.
4. Set the correct F-stop according to the distance and the film speed, using the exposure calculation table. For ASA 100 film and the distance of 3 m (10 ft) to subject, set the F-stop to 8.
5. After checking that the flash is ready for use, press the Shutter Release Button to take the picture.

* For cameras with a built-in flash-matic system, set the Auto/Manual Switch to 'M'. For further details consult the instructions with the camera.

PROPER CARE OF YOUR FLASH

* Even if you do not use the flash for an extended period of time, it should be tested from time to time in order to properly maintain the condenser.---

* A high voltage is generated in the circuitry. It is very dangerous to take it apart or to touch the inside of the flash unit. It should be taken to a camera dealer or a recognized Ricoh service station for all repairs.

* Avoid exposing the flash unit to dust, humidity, rain, seawater, etc.

* Do not leave it in hot or humid conditions such as direct sunlight, as this will cause malfunction of the flash unit.

* Clean the body of the flash unit with a dry soft cloth. Never use solvents such as thinner, benzine, etc.

Specifications

Ricoh XR Speedlight 240

Form: Thyristorized automatic flash unit

Guide number: 24 (ASA 100 in meters) 80 (ASA 100 in feet)

Automatic flash coupled range: 1~4.3 meters at f5.6 (ASA 100)

Flash duration: 1/750~1/30,000 sec.

Recycling time: 8 sec.(with alkaline batteries) (Manual)

Coverage angle: 45~ on vertical and 65° on horizontal

Color temperature: Same as daylight

Number of flashes: About 150 flashes with alkaline batteries
About 70 flashes with nickel cadmium batteries
About 40 flashes with manganese batteries

Power source: Four penlight (AA size) batteries 1.5V
or 1.2V (Nickel cadmium batteries)___

Test circuit: Open flash test button built in

Accessory: Synchro cord___

Dimensions: 77.5 (width) x 75.0 (height) x 85.3 (depth) mm

Weight: 230 g (without Batteries)