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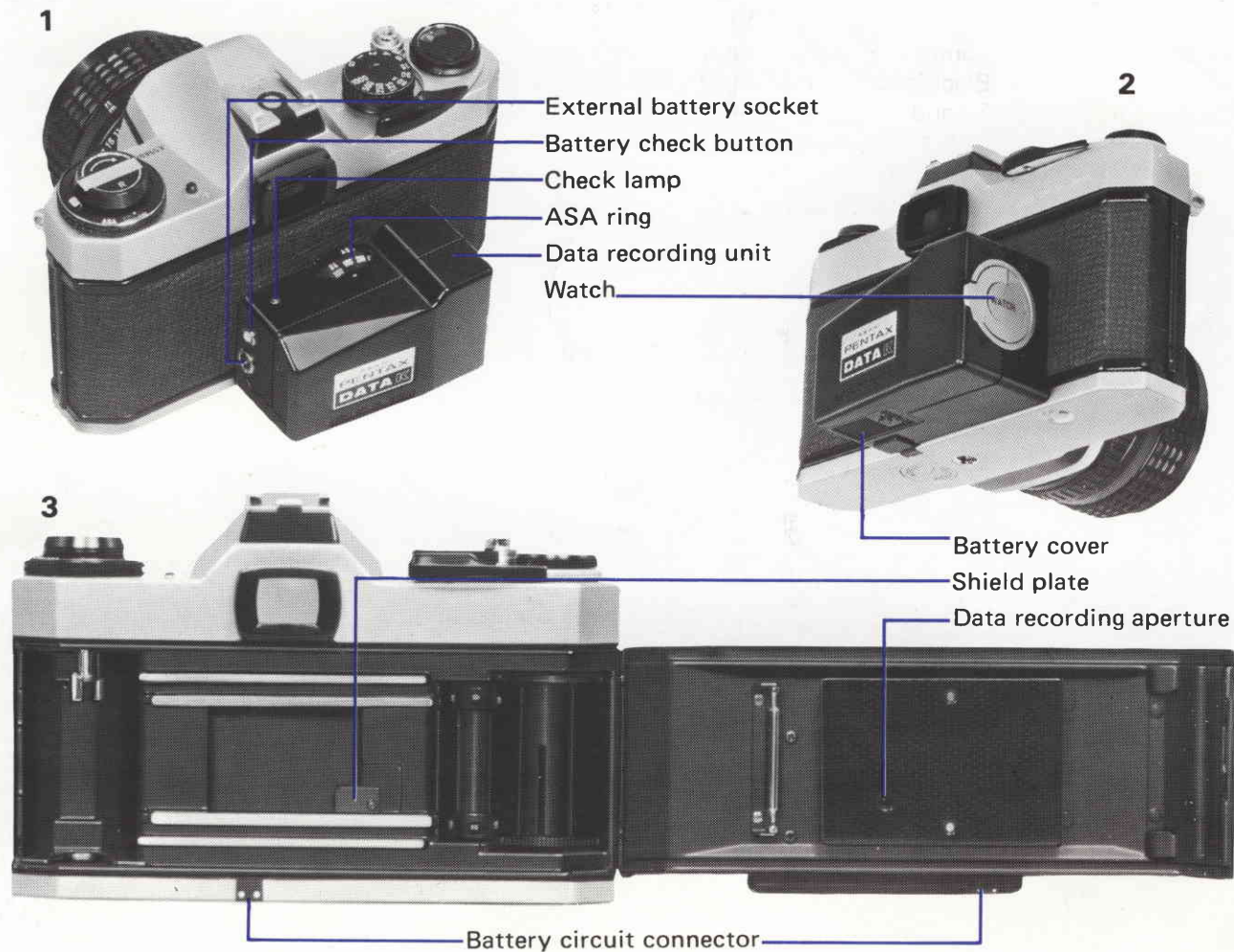
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ASAHI

DATA K・J・X



ASAHI PENTAX DATA K · KX

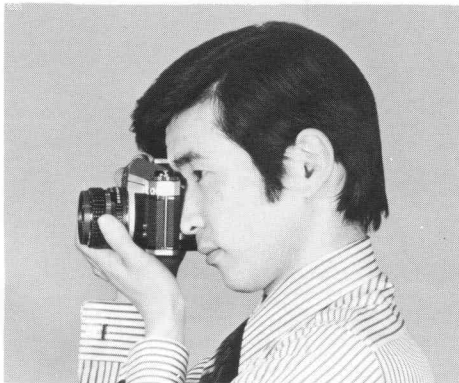


SPECIFICATIONS

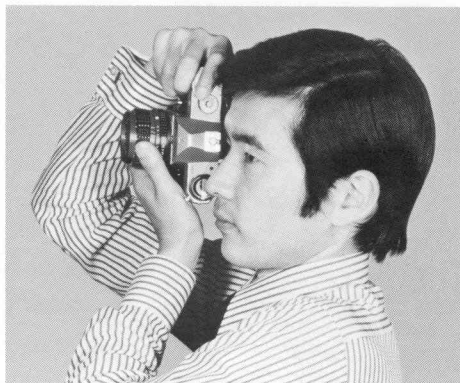
Film:	35mm film (with J135 cartridge) Black and white ASA 100, 200, 400; Color ASA 64 ~ 100
Data recording unit:	3 hand watch with calendar (Citizen Ladies size 21 jewels). Data inscribed on center watch face. Watch interchangeable with data recording plate. Film sensitivity scale. Check lamp for testing both battery and circuit condition. External battery socket. Power — one Eveready No. 544 (6V) silver oxide battery. 50mm. f/1.4: 143mm (width) x 92.5mm (height) x 123mm (depth) 50mm. f/1.4: 1,010g.
Weight:	
Accessories:	One data recording plate.
Optional:	Soft case for DATA K/KX. Standard back cover. Battery cord for DATA K.

** All other specifications are the same as for the Pentax KX.*

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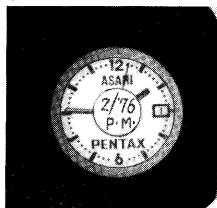
FEATURES & APPLICATIONS

The Asahi Pentax DATA K is the only camera which records the date and time (including the seconds) at the very instant you snap the photograph.

1. The data recording unit attached to the back cover, contains a 3 hand ladies size calendar watch which gives you the day, hour, minute and second. The year, month and am/pm are inscribed on the frosted watch face as shown in the top left hand corner of Fig. 6. The watch is illuminated when a lamp inside the data recording unit flashes on immediately the shutter release is pressed. A convex lens projects the image of the watch onto the bottom right hand corner of the film from behind. A small shield plate protects this corner of the film from the normal shutter exposure. No matter how strong the normal exposures may be, the watch image will always appear clear and sharp. The watch can be freely and readily replaced by a special data recording plate. So instead of time, special data such as place, purpose, cameraman etc. may be recorded.
2. The DATA K illumination lamp is connected directly to the shutter release, so no more bothersome synchro-cord.
3. Whether you hold the camera vertically, or horizontally, the the data recording unit does not hinder your viewfinder (see Figs. 4 & 5). Nor does it get in the way of the shutter release, and tripod mounting is no trouble.

4. Complete freedom to use either flash gun or flash bulbs. The FP and X terminals are not required for synchro-cord any more.
5. Retractable shield plate means the DATA K camera can be used like ordinary cameras as well. Simply remove the battery from the data recording unit. Or better still, replace the back cover with a standard cover (optional). So you really have two cameras in one. With the standard back cover, the DATA K is exactly the same size as the Pentax KX.

The scope for effective use of time and data recorded photography is really unlimited, especially when taking a series of pictures. For example, the daily, or even hourly progress made at construction sites, or during scientific and motion studies. Growth of plants or animals. Accident scenes. Sporting events like horse racing, and car racing. Even more personal things like growing baby weddings and honeymoon overseas trip and when friends and relatives all get together.

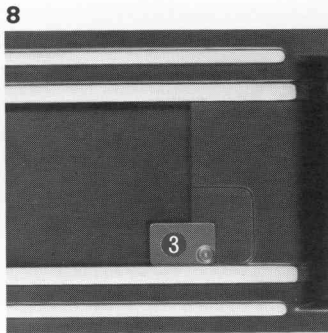
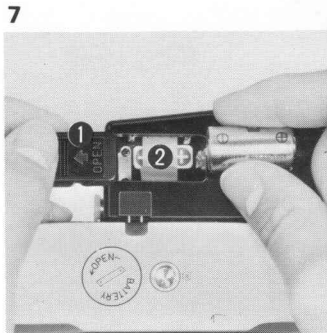


OPERATION

This instruction manual refers only to the data recording unit. For a description of operation of the camera itself, please read the relevant instruction manual.

INSERTING THE BATTERY

Fig. 7. Remove battery cover (1) by pulling in the direction of the arrow. Insert the battery with the + — signs around the same way as indicated in the bottom of the battery well. Lead the vinyl tape (2) underneath the battery to facilitate easy removal when replacing the battery.

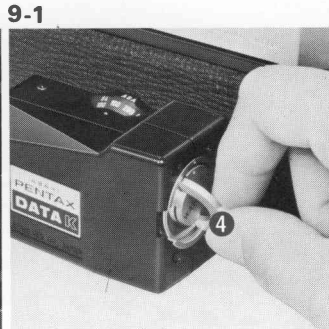


CHECK POSITION OF THE SHIELD PLATE

Fig. 8. The retractable shield plate (3) should be lowered into position as shown in the figure. Note however, that this corner corresponds to the top left hand corner in your viewfinder, so avoid including any important subject matter in that corner.

REPLACING THE WATCH

Figs. 9-1 & 9-2. Raise the handle (4), turn it counter-clockwise, and then gently extract. The data recording aperture in the pressure plate (Fig. 3) is automatically closed when the watch is removed, permitting you to remove the watch at any time with no fear of accidentally exposing the film. When inserting the watch again, line up the two red dots and turn the handle clockwise as far as it will go.



TIME AND DATA ADJUSTMENT

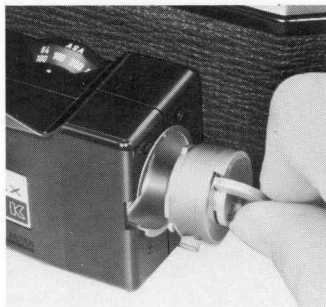
Fig. 10. The watch is much the same as an ordinary 24-hour wind calendar wrist watch. To wind the spring, simply rotate the winder (5) back and forth with thumb and middle finger like an ordinary watch. To adjust the time, pull the winder out one step and then rotate. Pull the winder out one more step to change the date. (This second step is spring controlled, so the winder will automatically return to the first step if released).

The year and month and am/pm can be written on the frosted glass part of the watch face. Use ordinary lead pencil since it can easily be erased again.

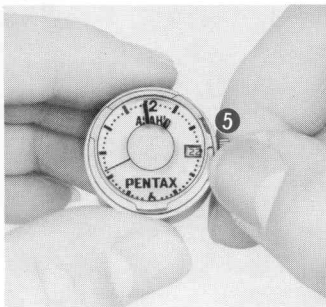
DATA RECORDING PLATE (MEMO)

Fig. 11. This plate is exactly the same size as the watch, making them freely interchangeable with each other. When you wish to record a lot of special data rather than the time, simply replace the watch with the data recording plate (on which you have written the desired data). One data recording plate is supplied with the data recording unit.

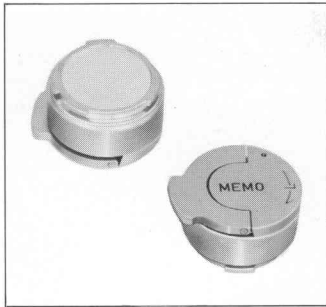
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SETTING ASA SPEED

Fig. 12 Set the ASA ring (6) to the same ASA speed of the film in the camera. Color film speeds of ASA 64, 80 and 100 all come under the same scale reading. Incorrect matchings however, may result in serious under- or over-exposure of the watch image, making it difficult to see.

BATTERY CIRCUIT CHECK

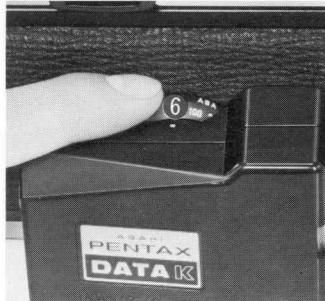
Fig. 13. Load the film, and then take two blank shots. At this time, check that the check lamp (7) comes on the instant the shutter release is operated. This lamp shows that the watch illumination lamp is functioning correctly, and will flash on every time the shutter release is pressed.

BATTERY CHECK AND REPLACEMENT

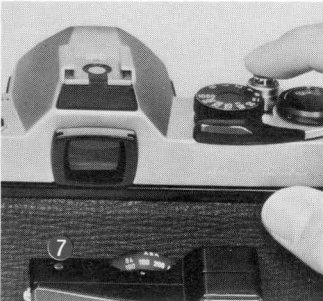
Fig. 14. To check the battery, depress the battery check button. If the battery is OK, the lamp will light. If not, open the battery housing and replace the battery. Insert a new battery **CORRECTLY** as indicated.

(For your own protection, do not throw a dead battery into fire. It may explode! Also, keep it away from the access of small children.)

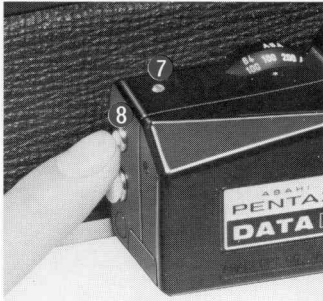
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FLASH GUNS AND FLASH BULBS

Fig. 15. The use of automatic flash guns and flash bulbs etc. is exactly the same as with the Pentax KX. (If your flash equipment is not functioning properly, please see your local service center).

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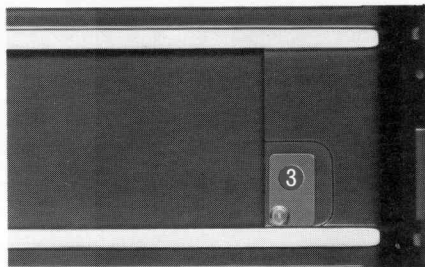


WHEN DATA RECORDING IS NOT REQUIRED, OR WHEN YOU WANT TO USE ALL OF THE FILM FRAME

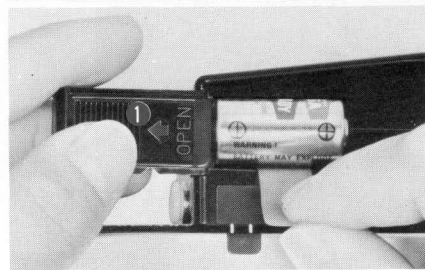
Fig. 16. Raise the shield plate (3) up and out of the film frame.

Fig. 17. Remove the battery. If the battery is not removed, the illumination lamp will continue to expose the film, even if the watch or data recording plate have not been inserted.

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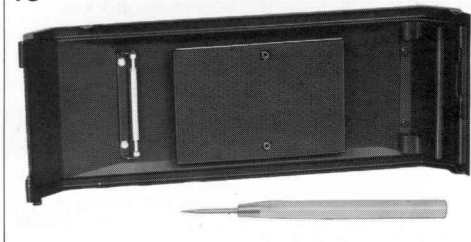


ACCESSORIES AND OPTIONAL EQUIPMENT

STANDARD BACK COVER

(with small hand awl. Fig. 18)

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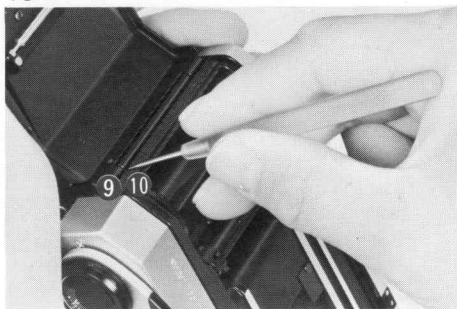


REPLACING THE BACK COVER

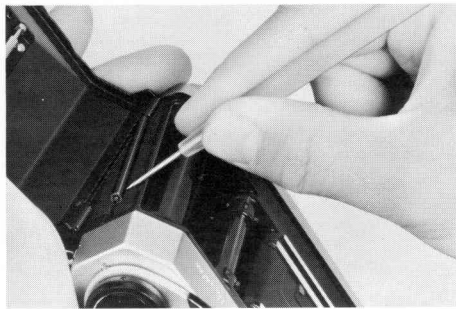
Fig. 19. Open the back cover out full. Insert the tip of the awl inside the top of the hinge (9) where you will be able to feel a pin not visible from above. Push this pin down towards the base of the camera to disengage the hinge shaft from the upper part of the back cover. Raise the back cover slightly and then pull it right out, moving more or less parallel to the hinge.

Fig. 20. To attach the back cover again, simply reverse the order of the above operation. Engage the back cover with the bottom part of the hinge, retract the hinge shaft with the hand awl in the same way as before, engage the top part of the hinge and then release the shaft which springs back into position automatically.

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SOFT CASE FOR DATA K CAMERA

Fig. 21. A special soft case for the Pentax DATA K camera. The lens section and data recording unit section have separate detachable covers.

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BATTERY CORD FOR THE DATA K CAMERA

(for use in the extreme cold i.e. -5°C and below)
Fig. 22.

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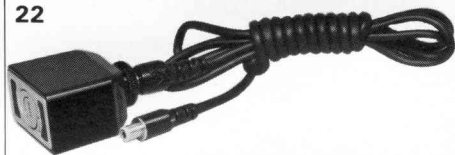


Fig. 23. Most batteries lose their power in temperatures below 0°C , but with this battery cord and special battery case, the data recorder unit battery can be kept warm in the pocket while remaining connected to the unit. Remove the protective cover from the external battery socket (11) and plug in the battery cord. Remove the battery from the data recording unit, and place it in the special battery case connected to the battery cord. Keep this battery case in a warm place like your pocket etc. This feature will enable you to use the data recording unit on ski trips, or sub-zero scientific expeditions etc.

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