










# Troubleshooting


What appears troublesome may be easily remedied. Here are some problems that may occur and their remedies. Before contacting a Pentax service center, check the following items.

Symptoms	Causes	Remedies	Reference
The shutter cannot be released.	The last frame is exposed and wound onto the take-up spool.	Remove the film from the film back.	P.25
	The main switch is set to OFF.	Set the main switch to ON.	P.14
	The battery warning  appears.	Replace the batteries.	P.12
	The self-timer mode is being set.	Cancel the self-timer mode.	P.35
The frame counter does not indicate  .	The exposure compensation dial is being set to D, PF or ISO.	Turn the exposure compensation dial to a position other than D, PF or ISO.	P.24, P.66, P.76
	The shutter release button is not pressed after loading the film.	Press the shutter release button after loading the film.	P.20
Indicators do not appear on the LCD panel.	The main switch is set to OFF.	Turn the main switch to ON.	P.14
	No batteries are installed.	Install the batteries.	P.12
	The batteries are improperly installed	Install the batteries properly.	P.12
	The batteries are dead.	Replace the batteries.	P.12
The camera does not focus.	AF frame is not placed over the subject.	Move the camera until the AF frame  covers the subject.	P.36
	The subject is too close.	Increase the camera-to-subject distance.	P.36
	The focus mode is set to [MF].	Set the lens in the autofocus position.	P.32
	The subject is difficult to autofocus.	Use the focus lock or focus manually using the matte field.	P.60, P.62

Symptoms	Causes	Remedies	Reference
<p>● blinks in the viewfinder.</p>	<p>The subject is too close or difficult to autofocus.</p>	<p>Use the focus-lock technique or focus manually using the matte field.</p>	<p>P.62, P.63</p>
<p>Err blinks on the LCD panel.</p>	<p>The camera may be defective.</p>	<ul style="list-style-type: none"> <li>• Press the mid-roll wind-up button to wind the film, then consult your Pentax distributor or authorized Pentax repair shop.</li> <li>• Err indication stays on and battery warning [B] blinks even if the mid-roll wind-up button is pressed. In this situation, replace the batteries and press the mid-roll wind button again.</li> </ul>	

# Specifications

<b>Type:</b> _____	TTL autofocus, auto-exposure 6 × 4.5 format SLR camera
<b>Format:</b> _____	56 × 41.5mm
<b>Usable Film:</b> _____	120 roll film (16 exposures) with 120 film holder, 220 roll film (33 exposures) with 220 film holder and 70mm roll film (about 95 exposures) with 70mm film holder
<b>Usable Film Speed:</b> _____	ISO 12 - 6400
<b>Exposure Modes:</b> _____	Programmed AE Mode, Shutter-Priority AE Mode, Aperture-Priority AE Mode, Metered Manual Mode, Bulb Mode, TTL Flash Mode
<b>Shutter:</b> _____	Electronically-controlled vertical-run cloth focal-plane shutter, Speed range: (1) Auto 1/1000-30 sec. (stepless), (2) Manual 1/1000-6 sec.(3) Bulb,
<b>Lens Mount:</b> _____	Pentax 645 AF mount (645 A-mount with AF coupler, lens information contacts)
<b>Compatible Lens:</b> _____	Pentax 645 AF mount, Pentax 645 A-mount
<b>Autofocus System:</b> _____	TTL phase-matching multi-(3 points) autofocus system switchable to Spot focusing, AF operational brightness range: EV - 1 to 18 (at ISO 100), Focus lock available using shutter release button, Focus Mode: Continuous (predictive AF provided), Single, Manual [MF]
<b>Viewfinder:</b> _____	Keplerian telescopic viewfinder with Natural-Bright-Matte focusing screen (Interchangeable focusing screens available), Field of view: 92% vertical and 93% horizontal, Magnification: 0.76X (with 75mm lens at infinity), Diopter:-3.5 to + 1.5m <sup>-1</sup> , 3-point AF frame, Spot AF frame, Spot AF range
<b>Viewfinder Indication:</b> _____	Focus Information: In-focus (Green lamp  is lit), front or back focus signals and unable-to-focus indicator (Green lamp blinks), Shutter speed indication, Aperture indication, Flash ready indication  is lit, Bar graph (exposure compensation), Auto bracketing indicator, Over or Under exposure indication in Manual Exposure Mode,  exposure compensation indication,  AE lock indicator
<b>External LCD panel Indication:</b> —	 = possible to imprint exposure data,  =Battery exhaustion warning, Film speed, ISO indication, Film counter
<b>Self-timer:</b> _____	Electronically-controlled type with delay time of 12 sec. or 2 sec. delay when mirror lock-up in use. Start by pressing of shutter release button, Operation confirmation: By PCV beep tone. Cancelable after operation

<b>Mirror:</b> _____	Instant-return mirror with AF secondary mirror. Mirror lock-up is possible.
<b>Film Loading:</b> _____	120 and 220 films semi-automatically loaded with a start mark, 70mm film automatically loaded
<b>Film Winding:</b> _____	Auto film winding by built-in motor with single/consecutive mode, Approx.2.0 frames/sec.(consecutive mode)
<b>Exposure Meter:</b> _____	TTL dual six-segment metering, Metering range from EV2 to EV21 at ISO100 with 75mm f/2.8 lens, Center-weighted and Spot metering mode can be set
<b>Exposure Compensation:</b> _____	±3.3EV in 0.3EV step increments
<b>Multiple Exposure:</b> _____	Via Multi-exposure switch
<b>Auto bracketing:</b> _____	1/3EV step increments, 2/3EV step increments, 1EV step increments, Possible to use with exposure compensation
<b>Flash sync:</b> _____	Via Hot shoe with X-sync. contact with couples with Pentax dedicated auto flashes, X-sync speed at 1/60 sec., Slow shutter speed synchronization possible in Metered Manual Mode, X-sync. socket is provided, ISO range=25-800
<b>Exposure Data Imprinting:</b> _____	Possible to imprint the exposure data on the outside of the picture frame. Characters, number of films, frame number, exposure mode, shutter speed, aperture value, exposure compensation, metering mode and focal length
<b>Pentax Function:</b> _____	10 user defined functions
<b>Power Source:</b> _____	Six AA-size 1.5V batteries (Alkaline or Lithium battery), an optional Remote battery pack 645 is attachable with connecting the power cord.
<b>Battery Exhaustion Warning:</b> _____	Battery exhaustion symbol  is lit (blinking when the shutter is locked; no indication in the viewfinder.)
<b>Dimensions and Weight:</b> _____	147.0mm(W) × 109.0mm(H) × 117mm(D) (5.8" × 4.3" × 4.6") 1280g (45.2 oz) body only without batteries.
<b>Supplied Accessories:</b> _____	Body mount cap 645, Rear body cap 645, Release socket cap, Strap D, Large eye cap 645, and Hot shoe cover FK.

# Warranty Policy

All Pentax cameras purchased through authorized bona fide photographic distribution channels are guaranteed against defects of material or workmanship for a period of twelve months from date of purchase. Service will be rendered, and defective parts will be replaced without cost to you within that period, provided the equipment does not show evidence of impact, sand or liquid damage, mishandling, tampering, battery or chemical corrosion, operation contrary to operating instructions, or modification by an unauthorized repair shop. The manufacturer or its authorized representatives shall not be liable for any repair or alterations except those made with its written consent and shall not be liable for damages from delay or loss of use or from other indirect or consequential damages of any kind, whether caused by defective material or workmanship or otherwise; and it is expressly agreed that the liability of the manufacturer or its representatives under all guarantees or warranties, whether expressed or implied, is strictly limited to the replacement of parts as herein before provided. No refunds will be made on repairs by non-authorized Pentax service facilities.

**Procedure During 12-month Warranty Period.**

Any Pentax which proves defective during the 12-month warranty period should be returned to the dealer from whom you purchased the equipment or to the manufacturer. If there is no representative of the manufacturer in your country, send the equipment to the manufacturer, with postage prepaid. In this case, it will take a considerable length of time before the equipment can be returned to you owing to the complicated customs procedures required. If the equipment is covered by warranty, repairs will be made and parts replaced free of charge, and the equipment will be returned to you upon completion of servicing. If the equipment is not covered by warranty, regular charges of the manufacturer or of its representatives will apply. Shipping charges are to be borne by the owner. If your Pentax was purchased outside of the country where you wish to have it serviced during the warranty period, regular handling and servicing fees may be charged by the manufacturer's representatives in that country. Notwithstanding this, your Pentax returned to the manufacturer will be serviced free of charge according to this procedure and warranty policy.

In any case, however, shipping charges and customs clearance fees to be borne by the sender. To prove the date of your purchase when required, please keep the receipt or bills covering the purchase of your equipment for at least a year. Before sending your equipment for servicing, please make sure that you are sending it to the manufacturer's authorized representatives or their approved repair shops. Unless you are sending it directly to the manufacturer. Always obtain a quotation for the service charge, and only after you accept the quoted service charge, instruct the service station to proceed with the servicing.

**The local warranty policies available from Pentax distributors in some countries can supersede this warranty policy. Therefore, we recommend that you review the warranty card supplied with your product at the time of purchase, or contact the PENTAX distributor in your country for more information and to receive a copy of the warranty policy.**

## For Customers in USA

### STATEMENT OF FCC COMPLIANCE

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received including interference that may cause undesired operation.

Changes or modifications not approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does not cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver. Consult the dealer or an experienced radio/TV technician for help.

## For Customers in Canada

This Class B digital apparatus complies with Canadian ICES-003.

## Pour les utilisateurs au Canada

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.











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