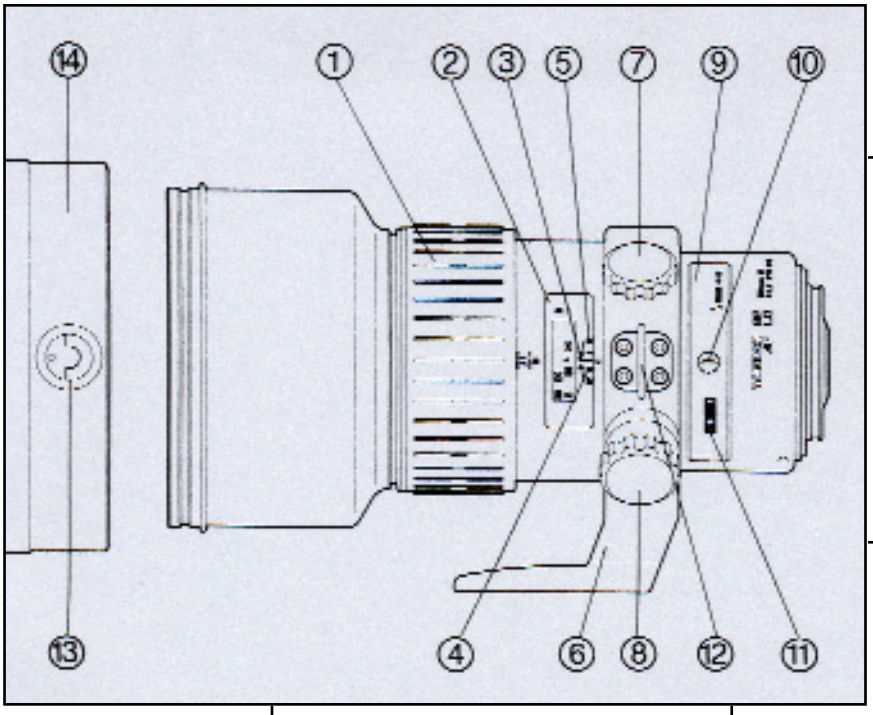
# SP AF 300mm F/2.8 LD [IF] for Canon (Model 360EE)

We greatly appreciate your purchase of this Tamron lens. The Tamron SP AF 300mm F/2.8 LD [IF] is a fast telephoto lens developed for Canon AF single-reflex cameras. Before using it, be sure to read these instructions carefully and fully understand the lens specifications and performance. Also, to ensure a long service life, be sure to use and clean the lens properly.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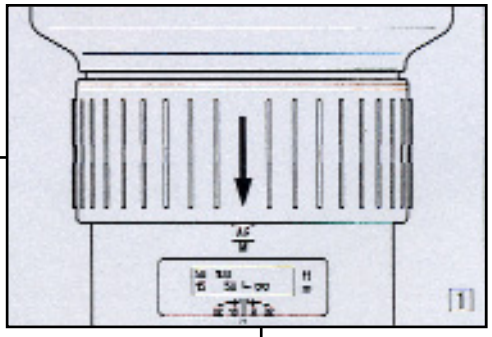
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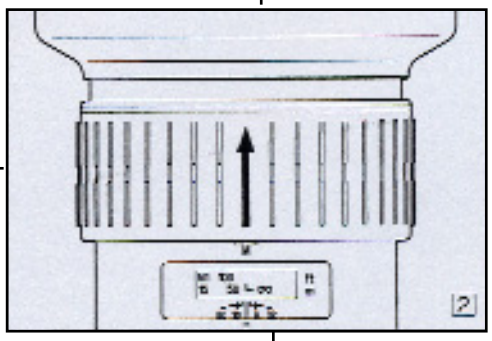
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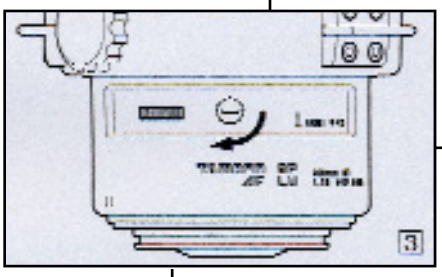
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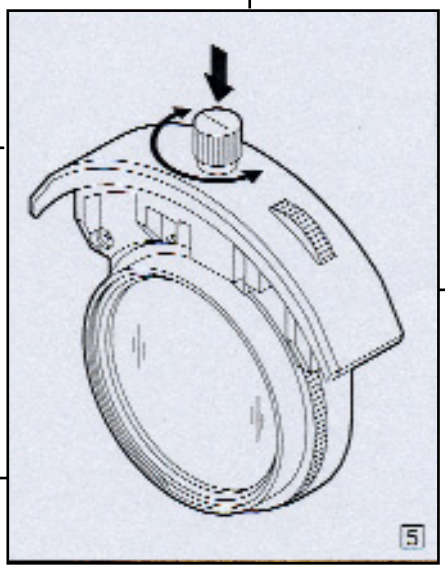
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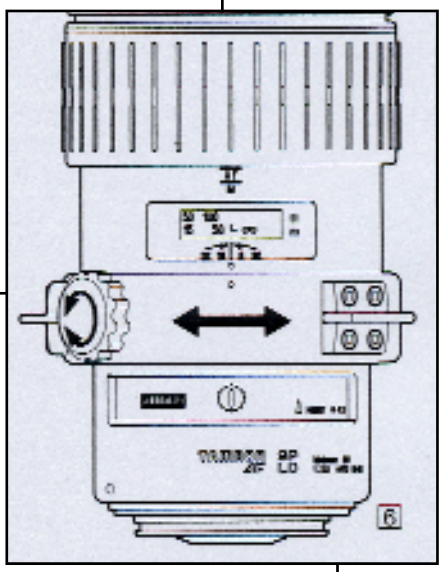
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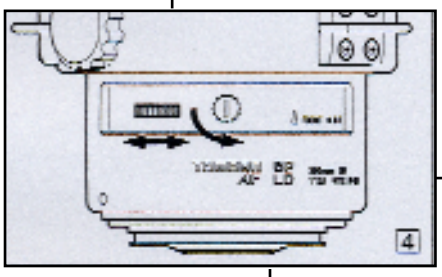
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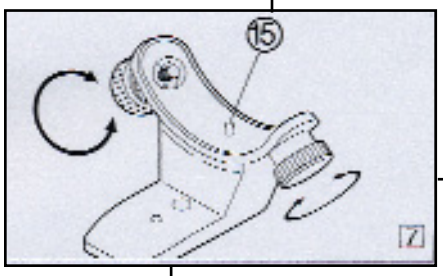
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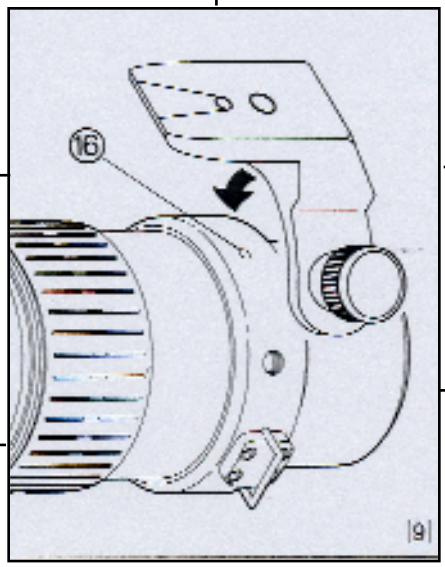
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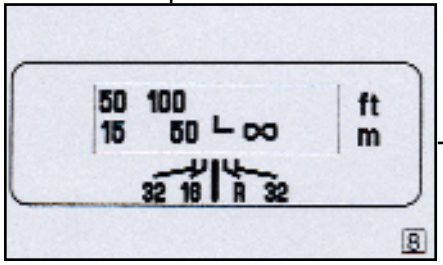
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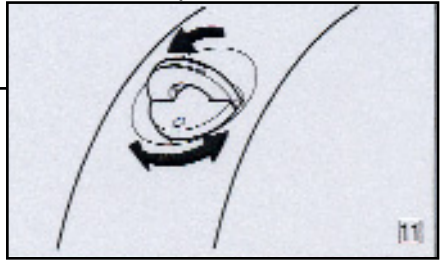
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# NAMES OF PARTS

1. Focusing ring
2. Focus distance scale window
3. Focus distance index
4. Depth-of-field scale
5. Infrared index
6. Tripod socket
7. Tripod socket fixing screw
8. Tripod socket mounting/removal screw
9. Filter frame
10. Filter frame lock knob
11. Filter turning dial
12. Strap ring
13. Hood lock screw
14. Hood

# SPECIFICATIONS

| | **360EE** |
|---|---|
| Focal Length | 300mm |
| F/number | F/2.8 |
| Optical Construction | 7 groups, 10 elements |
| Angle of View | 8° |
| Minimum Focus Distance | 2.5m |
| Filter Diameter | rear 43mm (front 112mm) |
| Overall Length | 214.9mm (8.5") |
| Maximum Diameter | 120mm (4.7") |
| Weight | 2400g (98.8oz) |

# APERTURE SETTING

Aperture setting is done on the camera side in accordance with the exposure mode.
* Please read the instruction manual of your camera.

# MOUNTING/REMOVING THE LENS

## Mounting

After removing the rear lens cap, place the lens in the camera mount. Align the lens mount index point with that of the camera body, then rotate the lens clockwise until you hear a click, which indicates the lens being securely locked in place.

## Removal

While pressing the lens release button on the camera, turn the lens counterclockwise and remove it from the camera.
When mounting or removing the lens, be careful not to touch the terminals of the lens. Stained or damaged terminals may cause poor contact or malfunction.

# FOCUSING

## Focus Ring

This lens can be switched from auto focus (AF) to manual focus (MF) or vice versa, by moving the focus ring forward or backward. Read the "Auto Focus (AF)" and "Manual Focus (MF)" sections below and operate accordingly. (1, 2)

## Auto Focus (AF)

Switch the camera to the auto focus mode. Then, push the lens' focus ring outwards (away from the camera) and set it to the auto focus position. When the focus ring is set to the AF position, focusing is done automatically and internally, and the ring is disengaged from manual focusing mechanism.

## Manual Focus (MF)

Switch the camera to the manual focus mode, and pull the lens' focus ring inwards (towards the camera) and set it to the manual focus (MF) position.

# LENS HOOD

A clip-on type lens hood is supplied as a standard accessory. The lens hood effectively cuts harmful stray light. Keeping it mounted always when shooting is recommended.
Remove the hood when storing the lens.

## Installing and Removing the Hood

The lens hood has two locking screws on opposite sides. Before using or storing the lens, loosen the screws at first, place the hood over the lens, and then tighten the screws. The upper half of the screw head can be popped up. Hold this part to turn the screw. After tightening, be sure to push the popped up part down to the original position. Do not use the lens with the screws sticking out. Doing so could result in damages to the locking mechanism. (10, 11)

# TRIPOD SOCKET

The tripod socket can be rotated freely around the lens by loosening the tripod socket fixing screws. Then, it can be fixed at any position by tightening the screws. The tripod socket is positioned exactly 90° from the center when the circle mark on the tripod socket is aligned with the circle mark on the lens. (6)

## Mounting and Removing the Tripod Socket

The tripod socket can be removed from the lens by loosening the two socket mounting/removing screws. When mounting the tripod socket, insert the positioning boss on the tripod socket into the positioning hole in the lens, confirm the position, and then securely tighten the tripod socket mounting/removal screws. (7, 9)

**NOTE:**

When mounting or removing the tripod socket, be sure to set the lens on a stable table or other surface and check that the lens does not move. The lens may fall or tip over if the tripod socket is mounted or removed in an unstable place, resulting in injury or damage to the lens and/or camera.

# FILTERS

The filter is the rear insertion type. The filter frame can be inserted in the slot directly behind the tripod socket. A 43mm normal filter is set in the filter frame of the lens as a standard accessory. The flange back distance (the standard distance from the surface of the lens mount to the film plane) is set with one normal filter inserted at the rear of the lens. Therefore, if the rear filter is removed or if a filter other than the normal filter is inserted, the actual focus position may differ from the indication on the focus distance. Also, we recommend keeping a 112mm normal front filter installed, to protect the front element of the lens.

## Inserting and Removing the Filter Frame

The filter frame can be removed from the lens by pressing the filter frame lock knob and fully turning it clockwise until it stops. Then the frame can be released from the lens. (Set the index line on the top of the lock knob so that it points sideways with respect to the lens.)
To insert the filter frame, check that the index line on the top of the lock knob is facing sideways, and confirm if the arrow mark on the frame is facing the front of the lens, then insert the filter frame into the slot of the lens. Then, while pressing the lock knob, turn it clockwise until it stops. (3, 4, 5)
After inserting, to prevent accidental fall-off of the filter frame, check if the filter frame is securely locked in the position.

## Filter Rotating Dial

The filter frame is equipped with a filter-rotating dial so that the filter installed can be rotated from outside of the lens. When using the 43mm circular polarizing filter (standard accessory), turn this dial to adjust its filter effect. (4)

# FILTERS (con’t)

### Setting and Removing Rear Filter into/from the Filter Frame

The filter setting screw portion of the filter frame can be rotated. Therefore, when removing or setting a filter, hold the filter rotating dial or the gear at the outer side of the filter setting screw with a finger so that it does not turn inadvertently.

# DEPTH-OF-FIELD

The lens is marked with depth-of-field scales for apertures F16 and F32. Use these scales to check the approximate depth-of-field. Please refer to the separate table for exact depth-of-field at different apertures and shooting distances.

# INFRARED INDEX

A red filter is used when taking pictures with black and white infrared film. Due to characteristics of this combination, it is necessary to compensate the focus. The red scale marked "R" on the focus distance scale is the infrared index. Focus manually at first, read the scale at that position, and shift to the infrared index. Then, install a red filter and take pictures. When compensating the focus, switch to the manual focus mode, and rotate the focusing ring manually.
When precise focusing is necessary, first take a test role of film. Also, please refer to the instruction sheet of the infrared film.

# PRECAUTIONS IN SHOOTING

When the built-in flash of your camera is used, the lens may obstruct the light path of your flash, resulting in vignetting at the bottom of the image. Please also refer to the section on the built-in flash in the owner's manual of your camera.

When shooting, please pay special attention to camera shake. An effective way to prevent out-of-focus pictures due to camera shake is to use ISO400 or higher sensitivity film and as fast a shutter speed as possible. Using a steady tripod is also recommended to prevent camera shake.

Your new equipment is a heavy lens. Be sure to handle it with care. Handling it inattentively may cause the lens to drop or tip over, resulting in injury or damage to the lens or camera.

# TO ENSURE LONG-TERM SATISFACTION

1. Avoid touching the lens surface. Use a photographic brush or blower to remove dust from the lens surface. When not using the lens, put a lens cap on for protection.
2. Use a lens cleaning tissue or lint cloth with a drop of cleaning solution to clean fingerprints or dirt on the lens surface with a rotary motion from center to edge. Use a silicon cloth to clean your lens barrel only.
3. Fungus is an enemy of your lens. Clean the lens after shooting at seaside or in a humid place. Store your lens in a clean, cool and dry place. If you find fungus on your lens, please consult a repair shop or nearby photographic store.
4. When using your equipment [camera(s) and lens(es)] in an environment where the temperature changes from one extreme to another, make sure to put your equipment temporarily in a case or a plastic bag for some duration in order for them to go through a gradual temperature shift. This will reduce potential trouble with your equipment.