ENGLISH

Thank you for purchasing the Tamron lens as the latest addition to your photographic equipment. Di II lenses (digitally integrated) are designed for digital SLR cameras with image sensors equivalent to APS-C size. Before using your new lens, please read the contents of this Owner’s Manual thoroughly to familiarize yourself with your lens and the proper techniques for creating the highest quality images possible. With proper handling and care, your Tamron lens will give you many years of photographing beautiful and exciting pictures.

- Explains precautions that help to prevent problems.
- Explains things you should know in addition to basic operations.

**NOMENCLATURE (Refer to Fig. 1, if not specified)**

| Lens hood | Hood attaching alignment mark | Hood attaching indicator | Filter ring | Hood attaching bayonet ring | Distance index | Distance scale | Focusing ring | Zooming ring | Focal length scale | Zoom index mark | Zoom lock switch (A14 & A16: Figs. 3 & 4) | Lens mount/Lens mount contacts (Nikon) | AF-MF altering switch (Canon Fig. 5 & 6) | Lens attachment mark | Bayonet tab on the lens |
|-----------|--------------------------------|--------------------------|------------|-----------------------------|---------------|---------------|-------------|--------------|-------------------|----------------|--------------------------------|--------------------------------|--------------------------------|----------------|----------------|------------------|

**ZOOMING (Ref. Fig. 2)**

(A13, A14, A15, A16, A18)

Rotate zooming ring θ of the lens while viewing through the camera’s viewfinder and compose your image at the chosen focal length.

**ZOOM LOCK SWITCH (Ref. Figs. 3 & 4)**

(A13, A14, A15, A16, A18)

Model A14, A16 & A18 is equipped with zoom lock switch mechanism which prevents lens barrel from extending towards longer focal length, while hanging around the neck. Activate the switch at the shortest setting to stop the lens barrels from rotating and extending.

**FOCUSING (Manual Focus) (Ref. Figs. 2 & 3)**

(A13, A14, A15, A16, A18)

Switch the focusing mode switch of the camera to manual focusing mode (MF) in case of Nikon, Sony or Pentax. In case of a Canon camera, switch the AF-MF switch Φ on the lens to MF (Fig. 6). Turn manually rotating the focusing ring while viewing through the camera’s viewfinder. The main subject in the viewfinder will be sharp when the lens is focused correctly.

- Even in the MF mode, turning focusing ring θ while pressing the shutter button halfway the focus and function lamp lights up when the picture is in focus.
- At infinity, make sure the focusing screen appears sharp. The infinity position on A13, A16 & A18 is made with certain allowances to insure proper focus under a variety of conditions.
- The focusing ring θ of the A15 does not have a distance scale.
- For further details, please read the instruction manual of your camera.

**FOCUSING (Autofocus) (Ref. Figs. 1 & 2)**

(A13, A14, A15, A16, A18)

Switch the focusing mode switch of the camera to Auto focusing mode (AF) in case of Nikon, Sony or Pentax. In case of a Canon camera, switch the AF-MF switch Φ on the lens to AF. (Fig. 5). Press the shutter button lightly while viewing through the viewfinder, the lens focuses automatically. An in-focus mark will light when the lens focuses correctly.

- When set on AF mode, interfering with focusing ring θ may cause serious damage to the lens mechanism.
- For further details, please read the instruction manual of your camera.

**ATTACHING AND REMOVING THE LENS**

(A13, A14, A15, A16, A18)

**To mount the lens**

Removing the rear cap of the lens. Align the Lens attachment mark $\text{Ø}$ on the lens barrel with its counterpart on the camera mount and insert the lens. Rotate the lens clockwise until it click-locks. For Nikon and Pentax models, align the lens attachment mark on the camera and the Lens attachment mark $\text{Ø}$ on the lens to attach the lens. For Canon models, attach the lens attachment mark with the dot on the camera and rotate the lens counter-clockwise until it click-locks.

**To detach the lens**

Pressing the lens release button on the camera down, turn the lens counter-clockwise (in case of Nikon lens, clockwise), and lift the lens off the camera’s lens mount.

- The image circles of Di II lenses are designed to match the digital SLR cameras using the image sensors equivalent to APS-C (approx. 15.5 x 23.2 mm). Do not use Di II lenses with cameras using image sensors larger than APS-C. Using Di II lenses with such cameras may cause vignetting on the image.
- Some Canon Di II SLR cameras have index marks for attaching both EF lenses (red) A and EF-S lenses (white) B on the bayonet mount.
- To attach Tamron DiII lenses, align the lens attachment mark on the lens $\text{Ø}$ with the index mark for EF lenses (red) A. Do not forcibly align the indicator on the lens $\text{Ø}$ with the index mark for EF-S lenses (white) B.
- Doing so could result in damage to the lens and/or camera.

**LENS APERTURE AND AE MODE**

(A13, A14, A15, A16, A18)

Please follow the instruction manual of your camera.

**LENS HOOD (Ref. Figs. 1, 7, 8 & 9)**

(A13, A14, A15, A16, A18)

A bayonet-type lens hood is provided as standard equipment. We recommend shooting with the hood attached whenever possible as the lens hood eliminates stray light which may cause problems. However, please be aware of the precautions written below when your camera is equipped with a built-in flash.

- **Attaching the Lens Hood** (Ref. Figs. 7 & 8)
  - Align the index mark $\text{Ø}$ on the hood with the corresponding index mark $\text{Ø}$ on the lens.
  - Press the hood lightly onto the lens barrel does not rotate or extend by its own weight.
  - For Nikon or Sony cameras, set the camera to the MF mode. For Canon cameras, set the AF-MF switch $\text{Ø}$ on the lens to the MF position.
  - Engage the bayonet tab on the lens $\text{Ø}$ with the bayonet tab on the lens $\text{Ø}$.
  - Secure the focusing ring $\text{Ø}$ from moving while turning the lens hood $\text{Ø}$ clockwise until the lens hood is released.

**LENS HOOD (Ref. Figs. 10 to 15)**

(A19)

When attaching and detaching the lens hood for the A15, please follow these instructions.

- **Detaching the lens hood**
  - For Nikon or Sony cameras, set the camera to the MF mode. For Canon cameras, set the AF-MF switch $\text{Ø}$ on the lens to the MF position.
  - Secure the focusing ring $\text{Ø}$ from moving while turning the lens hood $\text{Ø}$ counter-clockwise until the lens hood is released.

- The lens hood can be reverse-mounted for easy storage.

**PRECAUTIONS IN SHOOTING**

- The optical design for Di II takes into consideration the various features of digital single reflex cameras. However, due to the configuration of the digital single reflex cameras, even when the autofocus accuracy is within specifications, the focal point may be a little forward or behind the optimum point when shooting with auto focus under some conditions.
- The image circles of Di II lenses are designed to match the digital SLR cameras using the image sensors equivalent to APS-C (approx. 15.5 x 23.2 mm). Do not use Di II lenses with cameras using image sensors larger than APS-C. Using Di II lenses with such cameras may cause vignetting on the image.
- A13, A14, A16, A18 employ an internal focusing (IF) system. Because of the characteristics of this optical design, the angles of view at distances other than infinity are wider than that of the lenses applying an ordinary focusing system.
- When the built-in flash on the camera is used, adverse photographic phenomena such as corner illumination fall-off or vignetting at the bottom part of the image may be observed, especially in wide angle ranges. This is due to the inherent limitation of the coverage of the built-in flash and/or the relative position of the flash to the edge of the lens barrel which causes shadows on the image. It is strongly recommended to use a suitable separate flash unit provided by the camera manufacturer for all flash photography.
- For further details, please read the “built-in flash” article on the instruction manual of your camera.

**TO ENSURE LONG-TERM SATISFACTION**

- Avoid touching the glass element surface. Use a photographic lens cloth or blower to remove dust from the lens element surface. When not using the lens, always place a lens cap on it for protection.
- Use a lens cleaning tissue or lint cloth with a drop of cleaning solution to remove fingerprints or dirt from the glass lens surface with a rotary motion from the center to the edge.
- Use a silicon cloth to clean your lens barrel only.
- Mildew is an enemy of your lens. Clean the lens after shooting near water or in any humid place. Store your lens in a clean, cool and dry place. When storing the lens in an lens case, store it with commercially available drying agent such as silica gel, and change the agent occasionally. If you find mildew on your lens, consult an authorized repair shop or nearby photo-graphic store.
- Do not touch the lens-camera interface contacts such as corner illumination fall-off or vignetting at the bottom part of the image may be observed, especially in wide angle ranges.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Focal Length</th>
<th>Distance Prediction (in CM)</th>
<th>Distance Prediction (in MM)</th>
<th>Filter Size</th>
<th>Diameter</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-18 mm</td>
<td>17' - 56°</td>
<td>23' - 85°</td>
<td>39 mm</td>
<td>57.8 mm</td>
<td>350 g</td>
</tr>
<tr>
<td>17-35 mm</td>
<td>23' - 75°</td>
<td>33' - 105°</td>
<td>52 mm</td>
<td>67.6 mm</td>
<td>430 g</td>
</tr>
<tr>
<td>28-75 mm</td>
<td>41' - 125°</td>
<td>56' - 170°</td>
<td>72 mm</td>
<td>90.2 mm</td>
<td>430 g</td>
</tr>
<tr>
<td>35-70 mm</td>
<td>54' - 160°</td>
<td>72' - 215°</td>
<td>88 mm</td>
<td>99.2 mm</td>
<td>430 g</td>
</tr>
<tr>
<td>70-210 mm</td>
<td>102' - 305°</td>
<td>150' - 450°</td>
<td>120 mm</td>
<td>130.2 mm</td>
<td>690 g</td>
</tr>
</tbody>
</table>

**PREADJUSTMENT**

- Lengths and weights listed in lens specifications are for lenses with Nikon mounts.
- Features and cosmetic designs of lenses listed in this owner’s manual may vary without notice.

**ATTACHING THE LENS HOOD**

(A13, A14, A15, A16, A18)

1) For Nikon or Sony cameras, set the camera to the MF mode. For Canon cameras, set the AF-MF switch Φ on the lens to the MF position.
2) Engage the hood attachment bayonet ring $\text{Ø}$ with the hood attachment tabs on the lens $\text{Ø}$.
3) Turn the lens hood $\text{Ø}$ clockwise until it clicks into the locking position.
4) Hold the extended portion of the focusing ring $\text{Ø}$ to secure from moving while turning the lens hood $\text{Ø}$ counter-clockwise until the lens hood is released.

**STORING THE LENS HOOD**

(A13, A14, A15, A16, A18)

1) Hold the lens hood $\text{Ø}$ clockwise until it clicks into the locking position.
2) Secure the focusing ring $\text{Ø}$ from moving while turning the lens hood $\text{Ø}$ counter-clockwise until the lens hood is released.

- The lens hood can be reverse-mounted for easy storage.