Nikon Riflescope
ProStaff
Team Realtree
3-9x50
3-9x40
2-7x32
4x32

Instruction Manual

Congratulations on your choice of a Nikon RIFLESCOPE. Your new scope is the finest example of Nikon's rugged and durable construction and precision bright optics; important qualities for a serious shooter's riflescope.

Whether you use your scope for hunting or for target shooting, the procedure for mounting is identical. You should acquire a set of high quality steel mounting rings which have a standard diameter of 25.4 mm (1inch). Follow the ring manufacturer's instructions for mounting procedures. After mounting the scope on your rifle, follow the procedures for reticle alignment.

Caution
(1) Do not look at the sun through the riflescope. It will permanently damage your eye. This precaution applies to all optical devices such as cameras and binoculars.

(2) The riflescope is effectively sealed against moisture and dust. You may use your scope safely either in the rain or in dusty climates. To preserve the appearance of the scope, we suggest that it be dried and cleaned prior to storage. Use a soft cloth for cleaning metal surfaces and use photographic lens tissue to clean the scope's lenses.

When setting the reticle for hunting, you should determine your standard range and then adjust the reticle based upon that target distance. For targets which vary from the standard distance you may simply adjust the position of the reticle in relation to your target, or you may wish to use the procedure for trajectory compensation. It's up to your personal preference.

We hope that you will enjoy your new Nikon RIFLESCOPE for many years to come. Enjoy using it, and above all, always follow safe shooting procedures!

1. Nomenclature

1) Objective Lens
2) Eyepiece Lens
3) Elevation Adjustment
4) Windage Adjustment
5) Eyepiece Lock Ring
6) Eyepiece Adjustment
7) Power Index Dot
8) Power Scale
9) Power Selector Ring
10) Adjustment Cap

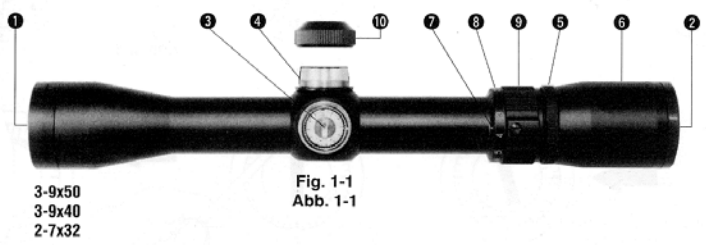

Fig. 1-1
Abb. 1-1

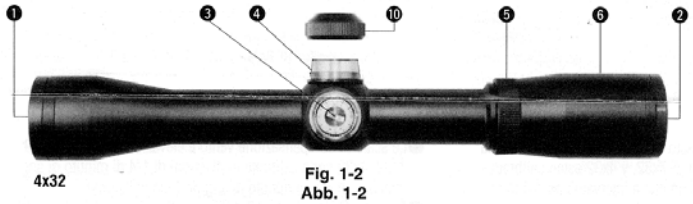

Fig. 1-2
Abb. 1-2

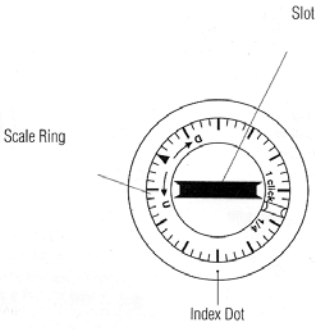

Fig. 1-3

Magnified figure of elevation adjustment 3-9x40/3-9x50/ 2-7x32/4x32

2. Specifications

Model		**3-9x40**	**3-9x50**	**2-7x32**	**4x32**
Actual Magnification		3x-9x	3x-9x	2x-7x	4x
Objective Diameter	(mm) (in)	40 1.57	50 1.97	32 1.26	32 1.26
Exit Pupil	(mm) (in)	4.4 0.17	5.6 0.22	4.6 0.18	8 0.31
Eye Relief	(mm) ** (in)	91-91 3.6-3.6	91-91 3.6-3.6	96.5-96.5 3.8-3.8	104 4.1
Field of View	(m) ** (ft)	10.3-3.44 ☆ 33.8-11.3 ☆	10.3-3.44 ☆ 33.8-11.3 ☆	10.2-2.89 ☆☆ 33.4-9.5 ☆☆	3.37 ☆☆☆ 11.1 ☆☆☆

Tube Diameter	(mm) (in)	25.4 1	25.4 1	25.4 1	25.4 1
Objective Outside Diameter	(mm) (in)	47.3 1.86	58.7 2.31	39.3 1.55	39.3 1.55
Length	(mm) (in)	312 12.3	325 12.8	248 11.2	248 11.2
Weight	(g) (oz)	388 13.7	470 16.6	354 12.5	340 12.0
Adjustment Graduation* (moa)		¼:1 click	¼:1 click	¼:1 click	¼:1 click
Max Internal* Adjustment (moa) (Elevation & Windage)		80	80	80	80
Parallax Setting (at factory)	(m) (yards)	91.44 100	91.44 100	68.58 75	45.72 50
Outside Diameter of Eyepiece	(mm) (in)	39.3 1.55	39.3 1.55	39.3 1.55	39.3 1.55

*moa= minute of angle
** (at minimum magnification)-(at maximum magnification)
☆: At 100 yards ☆☆:At 75 yards ☆☆☆ :At 50 yards

3. Instructions

(1) Focusing

- Look through the eyepiece with your eye positioned about 10cm (4 in) away from the eyepiece lens (Fig. 3-1), and you will see the Nikoplex reticle (Fig. 3-2), or the BDC reticle (Fig. 3-3).
- Be sure your eye is positioned within proper alignment and proper eye relief otherwise the view will “black out.”
- Point the objective end of the scope at the sky (Do not point at the sun) or at a plain unpatterned wall.
- Loosen the lock ring.
- Turn the eyepiece adjustment counter-clockwise and then turn it clockwise until the reticle appears sharp.
- Finally, without moving the eyepiece adjustment, turn the eyepiece lock ring as Fig. 3-4 to end so that the eyepiece adjustment will be firmly locked.

The lock ring must be firmly tightened to ensure an air-tight seal.

(2) Magnification

- The riflescope 4x32 has a fixed magnification of 4X.

- The riflescope 3-9x40, 3-9x50 has a variable magnification from 3 to 9X, 2-7x32 from 2 to 7X.

To change powers, just rotate the power selector ring until the desired magnification appears adjacent to the power index dot.

(3) Adjustment of the riflescope

Sighting through the riflescope, align the rifle with your aiming point on the target and shoot a trial round. If the bullet does not hit the aiming point, adjust the elevation and windage, as follows:

- If the bullet hits under the aiming point, turn the elevation adjustment (counter-clockwise) in the direction of the arrow marked “U” for up as in Fig. 3-5. If the bullet hits high, turn adjustment (clockwise) in the direction of the arrow marked “D” for down.
- If the bullet hits to the right of the aiming point, turn the windage adjustment (clockwise) in the direction of the arrow marked “L” for left as in Fig. 3-6. If the bullet hits to the left of the aiming point, turn adjustment (counter-clockwise) in the direction of the arrow marked “R” for right.
- After the reticle has been adjusted to the point of impact, insert the tip of a screwdriver into the slot of the scale ring and rotate the scale ring so that the “▼” is lined up with the index dot. (Fig. 3-7, Fig. 3-8)

1) Lock Ring
2) Eyepiece Adjustment
3) Eye Relief

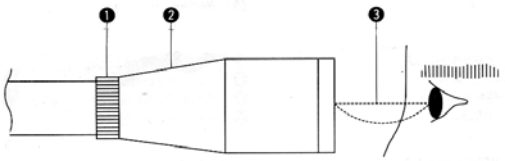

Fig. 3-1
Abb. 3-1

Nikoplex Reticle

Fig. 3-2
Abb. 3-2

Fig. 3-3
Abb. 3-3

BDC reticle (3-9x40 only)

The reticle should be immediately crisp and clear to the quick glance.

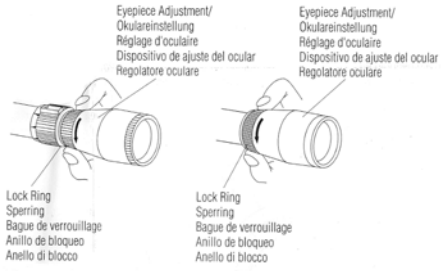

Fig. 3-4
Abb. 3-4

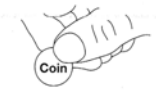

Fig. 3-5
Abb. 3-5

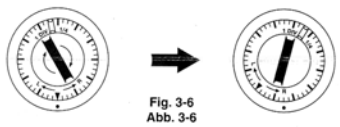

Fig. 3-6
Abb. 3-6

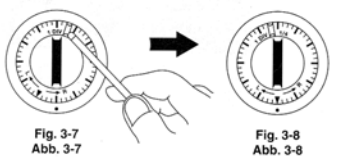

Fig. 3-7
Abb. 3-7

Fig. 3-8
Abb. 3-8

Note:

- The windage and elevation scales of the riflescope 3-9x40, 3-9x50, 2-7x32, and 4x32 are calibrated in division of ¼ minute of angle with a click at intervals of ¼ minute if angle (one division).

- When adjusting the reticle to the point of aim, remember that one minute of angle equals approximately one inch (2.54 cm) at 100 yards (91.44 m). Therefore, if the impact point is two inches (5.08 cm) low and one inch (2.54 cm) right at 100 yards (91.44 cm) Parallax Setting, you should adjust two minutes of angle up one minute of angle left. In case of 50 yds (45.72 m). Parallax Setting the adjusting value is double. In case of 75 yds (68.58 m) Parallax Setting is 1.5 times.

Maintenance

(1) Lens cleaning

To remove dirt or fingerprint, soak gauze or lens cleaning paper (silicon-free paper sold at camera shop) with a small quantity of absolute alcohol (available form drugstore) and lightly wipe off. Wiping with leather chamois is not recommended as it is likely to damage the lens surface.
Dust may scratch the lens surface or corrode the lens.
Brush dust off using a soft oil-free brush.

(2) Scope Exterior

Use a soft dry cloth to wipe off any dirt or fingerprints that might accumulate.
It is not necessary to oil the scope's surface.

(3) Windage/Elevation Adjustments

These adjustments are permanently lubricated. Do not attempt to lubricate them. Cover with caps supplied, except when adjusting, to keep out dust and dirt.

(4) Eyepiece Adjustment

This adjustment is permanently lubricated. Do not attempt to lubricate.

(5) Power Selector Ring

No lubrication is required on the power selector ring.
Do not loosen or remove screws in power selector ring.

In the event you should require service for your Nikon RIFLESCOPE, in case of USA market, please send it directly to:Nikon Scope Service
841 Apollo Street, Suite 100
El Segundo, CA. 90245-4721
1-800-Nikon SV.
In other market, please bring it to dealer from which you purchased it.

Manufacturer: Nikon Inc.
1300 Walt Whitman Road
Melville, NY 11747-3064
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