



MARK AR & MARK IMS INSTALLATION INSTRUCTIONS

INSTALLATION INSTRUCTIONS FOR INTEGRAL SCOPE MOUNTS (IMS)

IMPORTANT: Please read these instructions completely before beginning. Check to ensure that the magazine of the firearm has been removed or emptied, that the action is open, and that there is not a round in the chamber. Install the base or rings after double checking that the firearm is unloaded and safe.

NOTE: Use a good gun solvent and rag to remove all traces of oil and grease from the contact surfaces of the rings and threaded holes. Do not remove the light gray factory-applied lubricant from ring dovetails or base-socket mating surfaces.

1. Place the IMS mount onto the rifle's MIL-STD-1913 Picatinny rail to the desired location for proper riflescope eye relief. This position can be easily changed later once the scope has been installed. Mounts with a cantilever design should be placed with the cantilever portion towards the muzzle of the rifle. Mounts with a 20 MOA offset should be mounted with the angle sloping toward the muzzle. The bottom of the angled mounts may have a  symbol indicating direction of the mount.
2. Allow the cross bolts of the rail to drop into the desired cross slots and with one hand push the mount down and forward to ensure a solid mount engagement; finger tighten the keeper nuts until the mount is snug. Secure the 1/2" keeper nuts using a torque value of 65 in-lbs.
 - The action, length of the riflescope, turret location, and objective bell dimension may affect the placement of the scope in the rings; be sure to check their relative positions by measuring or holding the riflescope over the mount. Allow ample space on either side of both rings to allow for later eye relief adjustments.
3. Remove the ring tops and place the riflescope on the ring bottoms.
4. Position the riflescope as far forward in the ring bottoms as the maintube will allow. Place your shooting shoulder behind the butt of the rifle and look through the riflescope; slowly move it rearward until you can see the full sight picture. This is your optimal eye relief. If you are mounting a variable power riflescope, use the highest magnification to establish proper eye relief.
5. With the riflescope in place on the ring bottoms, place the ring tops over the riflescope and loosely secure them with the ring screws. Be careful to move the riflescope as little as possible from the position in which you established optimal eye relief.
6. Carefully raise the riflescope into your normal shooting position. Examine the eye relief and check the vertical crosshair to make certain it is aligned with the vertical axis of the rifle. Use of a scope leveling system is highly recommended.
7. When the riflescope is aligned with the rifle, evenly tighten the Torx screws on the rings with the driver to 28 in-lbs, using care to maintain an even gap between the ring halves.
 - **CAUTION:** no more than 28 in-lbs of torque should be applied to ring screws.
 - Now your riflescope and rifle are ready for the sighting-in process.

INSTALLING THE MARK AR INTEGRAL MOUNTING SYSTEM (IMS)

IMPORTANT: Please read these instructions completely before beginning. Check to ensure that the magazine of the firearm has been removed or emptied, that the action is open, and that there is not a round in the chamber. Install the base or rings after double checking that the firearm is unloaded and safe.

1. With the keeper screws on the right side of the firearm, slide the mount onto the rifle's MIL-STD-1913 Picatinny rail to the desired location for proper riflescope eye relief. This position can be easily changed later once the scope has been installed.
2. Allow the cross bolts to drop into the desired cross slots, and push the mount forward to make contact with the rail before tightening the screws. Secure the keeper screws using a torque value of 65 in-lbs, following the torque sequence in Figure 1. For convenience, a T-15/T-27 Torx wrench is included.
 - The action, length of the riflescope, turret location, and objective bell dimension may affect the placement of the scope in the rings; be sure to check their relative positions by measuring or holding the riflescope over the ringmounts. Leave ample space on either side of both rings to allow for later eye relief adjustments.
3. Remove the ring tops and place the riflescope on the ring bottoms.
4. Position the riflescope as far forward in the ring bottoms as the maintube will allow. Place your shooting shoulder behind the butt of the rifle and look through the riflescope; slowly move it rearward until you can see the full sight picture. This is your optimal eye relief. If you are mounting a variable power riflescope, use the highest magnification to establish proper eye relief.
5. With the riflescope in place on the ring bottoms, place the ring tops over the riflescope and loosely secure them with the ring screws. Be careful to move the riflescope as little as possible from the position in which you established optimal eye relief.
6. Carefully raise the riflescope into your normal shooting position. Examine the eye relief and check the vertical crosshair to make certain it is aligned with the vertical axis of the rifle. Use of a scope leveling system is highly recommended.
7. When the riflescope is aligned with the rifle, evenly tighten the Torx screws on the rings with the driver to 28 in-lbs, using care to maintain an even gap between the ring halves.

Contact Leupold Technical Service at Leupold.com or 1-800-LEUPOLD for more information.

FIGURE 1
Torquing Sequence

