NOROTOS NIGHT VISION INVG HELMET MOUNT SYSTEM

For MICH, ACH, CVC, LWH, PASGT & other Helmets

INVG Helmet Mount Assembly
Norotos Assembly Part No. 1821010

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Norotos, Inc. 201 EAST ALTON AVENUE SANTA ANA, CA. 92707
Phone: 714-662-3113 Fax: 714-662-7950
E-Mail: info@norotos.com www.norotos.com

VERTICAL POSITIONING THE INVG MOUNT

Three Position mounting allows user preference in vertical positioning.

Fine Vertical Adjustment:
Turn knob for fine vertical positioning.

Back view of Helmet Mount Housing

NOROTOS DESCRIPTION & PART NUMBERS

COMPLETE INVG NIGHT VISION SYSTEM:

PART NUMBERS, ASSEMBLY & INDIVIDUAL

INVG HELMET MOUNT & SHROUD ASSEMBLY: [Complete Helmet Mount & Shroud]
Norotos Assembly Part No. 1821010

HELMET MOUNT: INVG Helmet Mount
Norotos Part No. 1820010

SHROUD: [Front Bracket] Universal Mounting Shroud
Norotos Part No. 1817010
Lanyard Break Away Attach Point Hardware Norotos Part No. 1817016

STRAP ASSEMBLY: Adjustable Straps, Front & Rear Clips [less Helmet Mount & Shroud]
Norotos Part No. 1835010-1
ADJUSTMENTS, CONTROLS & USE
OF THE INVG HELMET MOUNT

Tilt Adjustment:
Turn lever to adjust NVD angle.

Eye Relief:
Push lever down & slide fore or aft for eye relief.

NVD Release:
Push down to release NVD.

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ADJUSTMENTS, CONTROLS & USE
OF THE HELMET MOUNT

Flip Up/Down & Rotation:
Rotate "Force To Overcome" from Deployment to Intermediate Stow or Complete Stow.

Flip up from Deployed Position to Intermediate or Complete Stow
Rotate 90°
Complete Stow Position to Intermediate or Deployment
Rotate helmet mount to 90°, 180°, 270° or 360° positions in either direction.

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SHROUD MOUNTING OPTIONS

Option 1
Mounting to 1 Hole helmet using existing 1 hole.

Option 2
Mounting to 3 Hole helmet using existing 3 holes.

Option 3
Mounting to 1 or 3 Hole helmet using existing 1 or 3 holes & Strap Assembly with Rear Clip.

Option 4
Mounting using Front Clip, Strap Assembly with Rear Clip [Using No Attach Holes]
One [1] Hole Shroud Installation:
1) Remove 3 pre-installed screws & washers from the shroud. 
2) From the inside of the helmet, insert the Norotos supplied sex bolt into the hole in the helmet.
3) From the outside of the helmet, line up the bracket hole with the helmet hole.
4) Place the Norotos supplied screw thru the shroud into the sex bolt in the helmet.
5) Slowly tighten the screw as you seat and align the shroud to the helmet contour. Finish tightening when seated and aligned.
6) Check periodically and re-tighten as required.

Three [3] Hole Shroud Installation:
1) Remove the 3 pre-installed screws & washers from the shroud.
2) Install one [1] of the Norotos supplied screw with washer thru the top hole from inside the helmet into the top Floating Nut Plate in the Shroud [helmet bracket].
3) Align and Install the other two [2] screws with washers thru the holes from the inside of the helmet into the Floating Nut Plate. Note: The Floating Nut Plates are designed to move to accommodate minor differences in the helmet hole pattern.
4) Slowly tighten the screws as you seat the shroud [helmet bracket] to the helmet contour. Finish tightening as required when seated and aligned.
5) Check periodically and re-tighten as required.

Adjustable Straps, Front & Rear Clips, Optional Counte r Weight Fitting Interface. Norotos Assembly Part No. 1835010-1

Universal Shroud Norotos Part No. 1817010
Lanyard Break Away Assembly Norotos Part No. 1817016

Adjustable Straps, Front & Rear Clips, Optional Counter Weight Fitting Interface. Norotos Assembly Part No. 1835010-1

Front Clip Kit MICH, MHH, ACH, CVC
Front Clips PASGT & LWH
Option 4: Shroud Installation

ON A NO HOLE HELMET

Shroud, Front Clips & Strap Assembly Attachment:
1] Remove 3 pre-installed screws & washers from the shroud. (for 3 holes use only, see page 10).
2] Attach the Selected Front Clips to the Shroud with the two Norotos supplied screws. A small coin or similar maybe used to prevent nut plate from spinning during final tightening.
3] Insert the Strap End into the shroud and pull tight to confirm the strap is locked into the shroud.
4] Lay the strap Assembly on the centerline of the helmet placing the rear clip on the back of the helmet.
5] Adjust the strap as required to hold the complete assembly firmly in place. Re-tightening over a period of time may be required.

Helmet Mount Attachment:
1] Push the top of the helmet mount into the top of the bracket shroud.
2] Push the bottom of the mount into the bracket shroud until it snaps locks in the bottom.

Easy & Safe Disconnect:
1] Push the Mount Release Lever on the bottom of the mount.
2] Pull the bottom of the mount away from the helmet.

PREVENTATIVE MAINTENANCE & CLEANING

Check all adjustments and moveable assemblies for full operational use.
Check for foreign material binding any adjustments. Remove foreign material and clean as necessary.
Check for foreign material in NVD mounting location area. Clean out the attach area using any small thin object or small brush as necessary.
Clean Helmet Mount / Shroud thoroughly using a cloth rag, brush and or mild hand soap and water as necessary. Allow to air dry.

ACRONYMS & ABBREVIATIONS

MICH - Modular Integrated Communication Helmet
ACH - Advanced Combat Helmet
CVC - Combat Vehicle Crewman
LWH - Light Weight Helmet
PASGT - Personal Armor System Ground Troop
NVD - Night Vision Device