

MOLAN
N87



SAFETY AND INSTRUCTIONS FOR USE

CONGRATULATIONS... for the purchase of your new helmet.

This helmet has been designed and created to be a modern, high performing product, able to satisfy the most demanding requests as for safety and comfort. This is made possible by the helmet design, its ergonomic, comfort and aerodynamic properties as well as its practical and easy-to-use controls.

SAFETY AND NORMS OF USE

IMPORTANT

- **Before using the helmet read this booklet and all enclosed documents carefully, in that they contain very important indications on how to use the helmet easily and safely.**
- **Failure to observe these instructions may reduce the protection provided by the helmet and consequently put your safety at risk.**

USING THE HELMET

- The helmet has been specifically designed for motorcycle and motorbike use therefore it **must not** be used for other purposes (or uses or scopes). Equal protection is not guaranteed for any use different from the intended one.
- In case of accident, the helmet represents a protective element, which reduces injuries and head damage. This notwithstanding, it cannot alone prevent serious and/or fatal injuries due to the specific accident dynamics, therefore drive carefully.
- When driving any motorcycle, always wear the helmet properly fastened in order to fully exploit its protection.
- Never wear scarves under the fastening system nor caps of any sort under the helmet.
- The helmet can muffle traffic noises. However make sure that you can hear essential sounds such as horns and emergency vehicle sirens.
- Always keep the helmet away from heat sources like the exhaust muffler, the bag seat or the interior of a vehicle.
- Do not modify nor damage the helmet or part of it for whatsoever reason. Use only original accessories and/or spare parts suitable for your specific helmet model.
- Damage resulting from accidental fall may not be visible; helmets, which received violent impacts, are to be replaced.
- In case of doubt about the helmet integrity and safety, avoid using it and contact an authorized dealer to let it check.

CHOOSING THE HELMET

Size

- In order to determine the correct helmet size, try on helmets of different sizes and choose the one which suits best the shape of your head and which you feel firm once worn and fastened, thus ensuring a great comfort.
- Should the helmet be too big, it may slide down covering the eyes or turn slowly to the side while riding.
- Keep it on for a few minutes and make sure there are no points of extreme pressure that may cause pain or headache.

Taking off the helmet

- With the helmet on and the strap securely fastened, try to take the helmet off as shown in Fig. A. In case of accident the different forces at stake and their various directions may result in helmet rotations or they may even cause the helmet to slip off if it is not securely fastened.

- The helmet should not rotate nor move on the head and should not slide off. Should the contrary happen, adjust strap length or change helmet size. Repeat test.

Retention System

- The retention system (strap) is factory-adjusted at a standard length. Before use, check that it is correctly pre-adjusted.
- Make sure the strap is properly fastened and tightened so as to keep the helmet firmly in place. Anyway, before riding, make sure that the strap is well fastened under the chin, as close as possible to the throat, but without being uncomfortable.
- The correct strap tension should allow normal breathing and swallowing, but without leaving the space of a finger between strap and throat.
- **Attention:** the button which may be present on the strap only prevents its end from flapping once the strap has been fastened properly.

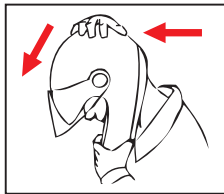
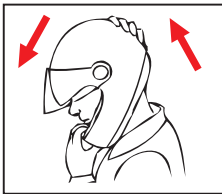
VISOR

- If the visor is damaged or deeply scratched causing reduced visibility, this means that the protective treatment is probably damaged so the visor is to be replaced.
- The visor can be used only for the intended helmet model.
- Do not paint nor apply stickers.

MAINTENANCE AND CLEANING

- Damage resulting from accidental fall may not be visible; helmets, which received violent impacts, are to be replaced.
- **Attention:** Helmet and visor may be seriously damaged by some common substances without the damage being however visible. Use only lukewarm water and mild soap to clean helmet and visor, and then let them dry at room temperature away from sunrays and/or heat sources.
- **Attention:** Never use petrol, thinner, benzene, solvents nor other chemicals which may:
 - Irreparably damage the helmet;
 - Modify optical properties, reduce mechanical ones and weaken the visor protective treatment.

Fig. A



VISOR

1. Visor disassembly

- 1.1 Open the visor completely (Fig.1).
- 1.2 Push the release lever on the left side mechanism downwards until it stops (Fig. 2) and simultaneously remove the visor from the helmet, letting out first the lower fastening "A" and then the upper fastening "B" from their respective housing in the side mechanism itself (Fig. 3).
- 1.3 Follow the same steps on the right side of the helmet.

2. Visor assembly

- 2.1 Place the left side of the visor on the corresponding side mechanism, inserting the upper fastening "B" of the visor in the corresponding housing in the mechanism itself and aligning the lower fastening "A" of the visor over the corresponding housing in the mechanism (Fig. 3) .
- 2.2 Press the visor at the lower fastening "A" so that the release lever moves backwards and then place it back in position by attaching the visor to the side mechanism with a click (Fig. 2).
- 2.3 Follow the same steps on the right side of the helmet.
- 2.4 Close the visor completely.

WARNING

- Make sure that the mechanisms are working properly. Open and close the visor making sure that the mechanisms hold it in the different positions. If necessary, repeat the above-mentioned steps.
- Do not use the helmet if the visor has not been assembled properly.
- Do not remove the side mechanisms from the shell.
- Should any of the side mechanisms fail or be damaged, please refer to a Nolan authorized dealer.



(Available as standard or accessory/spare part).

3. Inner visor PINLOCK® assembly

- 3.1 Disassemble the visor (see instructions above).
- 3.2 Make sure that the inner surface of the visor is clean and check that the pin adjustment external levers are turned inwards (Fig.4).
- 3.3 Place the PINLOCK® inner visor on the visor.
Warning: The silicone-sealed profile of the PINLOCK® inner visor must be in contact with the inner surface of the visor.
- 3.4 Insert one side of the PINLOCK® inner visor on one of the visor pins and hold it in position (Fig.5).
- 3.5 Widen the visor and fasten the other side of the PINLOCK® inner visor to the second pin (Fig.6).
- 3.6 Release the visor.
- 3.7 Remove the protective film from the PINLOCK® inner visor and check that the entire silicone-sealed profile of the inner visor adheres to the visor.
- 3.8 Fit the visor on the helmet (see instructions above).

Checking and adjusting the PINLOCK® inner visor stretch

Check the correct PINLOCK® inner visor assembly by opening and closing the visor and making sure that they do not move.

If the PINLOCK® inner visor is not tightly fixed to the visor, move both external adjustment levers upwards to increase the stretch (Fig. 14). This operation must be carried out gradually. The maximum stretch is achieved when the pin adjustment external levers are turned outwards.

WARNING

- The presence of dust between the two visors may produce scratches on both surfaces.
- Scratched PINLOCK® visors and inner visors may cause reduced visibility and must therefore be replaced.
- Regularly check the correct stretch of the PINLOCK® inner visor to prevent it from moving and scratching both surfaces.
- If the helmet visor fogs up and/or condensation forms between the visors, check that the PINLOCK® inner visor is both correctly assembled and stretched.
- An excessive and early stretch of the PINLOCK® inner visor may result in excessive adherence against the visor surface and/or permanent deformations with subsequent inability to correctly perform any following adjustments.
- Intense sweating/breathing, the use under particular weather conditions (low temperatures, and/or high humidity and/or sudden changes in temperature and/or heavy rain) and/or intense and prolonged use may affect the performance of the PINLOCK® inner visor and cause fogging or formation of condensation. In such cases, after using the helmet and to restore the system efficiency, remove the PINLOCK® inner visor from the helmet visor and let it dry with dry and warm air. The same procedure must be applied to the helmet, in order to dry out humidity in case it has formed up as a consequence of the conditions described above.

4. Inner visor PINLOCK® disassembly

- 4.1 Remove the visor equipped with the Pinlock® inner visor (see instructions above).
- 4.2 Widen the visor and release the Pinlock® inner visor from the pins (Fig.6).
- 4.3 Release the visor.

Maintenance and cleaning

- Remove the PINLOCK® inner visor from the visor. Using a damp and soft cloth, gently clean it with neutral liquid soap. Remove the soap under running water.
- Dry the inner visor with dry and warm air without wiping it.
- To keep the features of the inner visor in good conditions over time, let the helmet dry in a ventilated and dry place with the visor open after use. Keep it away from heat sources and store it in a place away from direct light.
- Do not use solvents or chemical products.

VISION PROTECTION SYSTEM (VPS)

The exclusive inner VISION PROTECTION SYSTEM (VPS) is a LEXAN™ (*) polycarbonate moulded sunscreen with scratch-resistant/fog-resistant treatment. Very simple and practical to use. Just lower to activate it or lift to remove it from the field of vision. It is useful in all sorts of situations, both on long journeys out of town and

^{*)} LEXAN is a trademark of SABIC.

shorter town trips.

Moreover, the innovative fastening system allows you to assemble and disassemble the sunscreen without the need for any tools for ordinary maintenance and cleaning operations.

VPS operation

The VPS mechanism allows to activate the sunscreen by simply lowering it until it partially covers the visor field of vision. In this way, the desired light transmittance reduction is achieved. At any time, without operating the visor, the VPS can be deactivated with a simple movement and easily lifted up to restore the normal conditions of visibility and protection guaranteed by the approved helmet visor.

To deactivate the VPS, push the side slider completely downwards (Fig. 7A).

To completely activate the VPS push the side slider completely upwards (Fig. 7B).

The VPS is adjustable in a range of intermediate positions to ensure the best comfort for the user with respect to the terms of use.

Precautions for use

The current approval standards (ECE22-05) state that the visor minimum light transmittance levels must be greater than 80% when riding at night and not less than 50% when riding during the day. For this reason, when riding during the day under particularly bright weather conditions, e.g. very strong sunlight caused by high intensity and/or direct sunlight, the use of sunglasses - which have a transmittance much lower than 50% - turns out to be advisable, if not absolutely necessary, to reduce eye fatigue on long trips. Sunglasses also reduce the risk of direct dazzling as opposed to the use of mere approved helmet visor. However, the use of sunglasses makes it difficult to perform emergency manoeuvres when the maximum visibility range of the visor must be quickly restored. Just think, for example, of what happens when you enter a tunnel or when unexpected changes in environmental brightness occur. Thanks to its operating mechanism, the VPS makes these operations much easier.

WARNING

- The VPS can only be used during the day and under the environmental conditions described before.
- At night and/or in conditions of poor visibility, the VPS **must be** deactivated.
- Always check that the VPS is properly positioned according to different weather/environmental conditions and/or the above-mentioned recommendations for use.
- We recommend using the VPS only and solely together with the approved standard visor, which has a transmittance value greater than 80%.
- The VPS does not replace the protection guaranteed by the visor.
- Always make sure that the VPS is clean and that it is operating properly in order to avoid scratches and/or anomalous wear on it every time it is activated.
- As for VPS and visor maintenance and cleaning operations, please refer to the appropriate section in the helmet user's manual.
- The VPS scratch-resistant/fog-resistant treatment highly reduces fogging. Prolonged periods of adverse weather and/or environmental conditions might cause fogging and/or formation of condensation on the VPS, which entails a reduction of visibility and/or sharpness of vision: in this case, deactivate the VPS.
- In case of rain, the direct contact of raindrops with the scratch-resistant/fog-resistant treated VPS quickly reduces sharpness of vision, thus causing scarce visibility: in this case, deactivate the VPS.

- The special VPS fog-resistant treatment is usually sensitive to high temperatures or heat sources. In this case, contaminations caused by contact with other materials might occur. These contaminations will cause marks and stains to develop. In these cases (e.g. when the helmet is kept in the top case on hot days), it is recommended to make sure the visor is not touching other materials.

5. VPS disassembly

- 5.1 To remove the sun screen from the helmet, open the visor completely and lower the VPS by rotating the side slider completely upwards (Fig.7B).
- 5.2 Hold the left lateral part of the sun screen and pull it toward the outside of the helmet (Fig.8).
- 5.3 Repeat the same operation on the right side of the helmet.

6. VPS assembly

- 6.1 To assemble the sun screen on the helmet, open the visor completely and push the side slider completely upwards (Fig.7B).
- 6.2 Insert the sun screen left end into the left side guide until the grip pawl is hooked in shell housing (Fig.8).
- 6.3 Repeat the same operation on the right side of the helmet.

WARNING

- Make sure the VPS operates correctly by moving the left side slider towards the bottom (Fig. 7A) and the top side of the helmet (Fig. 7B) until you hear the clicks meaning that it enters the relative positions. If necessary, repeat the above-mentioned steps.
- If the VPS opening/closing mechanisms are not working properly or if such mechanisms get damaged, please contact a Nolan authorized dealer.
- Do not use the helmet if the VPS has not been assembled properly.
- Since the VPS does not assure you the same protection as the one provided by the visor, it has to be used only when the helmet visor is lowered.

WIND PROTECTOR

(Available as standard or accessory/spare part).

This accessory allows improved helmet performance under certain conditions of use. The Wind Protector reduces unpleasant infiltrations of air under the chin.

7. Wind Protector disassembly

To remove the wind protector, pull it towards the outside of the helmet at the three fastening flaps (Fig. 9).

Then check that the front press studs of side cheek pads are still properly engaged.

8. Wind Protector assembly

To fit the wind protector, gently pull the front part of the left cheek padding towards the inside of the helmet, and then insert the left side flap of the wind protector in the corresponding housing on the lining of the inner chin guard and push it downwards until it hooks in place completely. Then repeat this process also for the centre flap and the right flap (Fig. 9).

Then check that the front press studs of side cheek pads are still properly engaged.

REMOVABLE INNER COMFORT PADDING

To remove the inner comfort padding, lift the VPS, open the visor completely and remove the chin guard from the helmet (see instructions above).

9. Cheek Pad disassembly

- 9.1 Remove the wind protector (see instructions above) and open the chin strap (see related instructions). Pull the front part of the left cheek padding towards the inside of the helmet to release the three snap fasteners placed on the back (Fig. 10).
- 9.2 Remove the rear flap of the comfort padding on the left side from the cavity between the rear seal and the inner polystyrene shell; then completely remove the cheek padding from the helmet (Fig.11).
- 9.3 Repeat the same process on the right side of the helmet.

10. Disassembly of inner expanded foam cheek padding

To make it even easier to wash the parts of the inner comfort padding, the cheek pads on the helmet come with internal padding in expanded foam that can be removed from the fabric lining cover. To remove this padding, proceed as follows after removing the cheek pads from the helmet (see instructions above).

- 10.1 Unhook the three eyelets "A" of the rear frame on the left cheek pad at the three press studs (top, front and rear) on the back (Fig. 12).
- 10.2 Remove the upper flap "B" and lower flap "C" of the frame from the respective loops on the back of the frame itself (Fig. 12).
- 10.3 Gently remove the inner expanded foam padding from the fabric lining cover of the cheek pad (Fig. 13).
- 10.4 Repeat the same process with the right cheek padding.

11. Liner disassembly

- 11.1 Release the rear left flap of the liner from the rear edge of the shell by gently pulling the comfort padding towards the inside (Fig.14). Then repeat the process also with the rear right flap.
- 11.2 Grasp the front left area of the liner and pull it upwards to remove the relative flap from the support fixed to the inner polystyrene shell (Fig.15). Then repeat this process also for the centre and right forehead flaps. (Fig. 9).
- 11.3 Completely remove the liner from the helmet.

12. Liner assembly

- 12.1 Correctly insert the liner into the helmet, lying it carefully on the bottom.
- 12.2 Insert the front left flap of the liner into the corresponding housing in the support fixed to the polystyrene inner shell and push it downwards until it locks completely. Then repeat this process also for the centre flap and the right flap (Fig. 15).
N. B. check that the front area of the liner is assembled correctly by raising and lowering the VPS, which should move freely. If not, repeat steps 11.2 and 12.2.
- 12.3 Insert the right and left rear flaps of the liner in their respective housing on the edge of the shell (Fig. 14). Push the flaps until they are completely hooked to the support.

13. Assembly of inner expanded foam cheek padding

- 13.1 Gently insert the inner expanded foam padding into the left cheek pad fabric lining cover (Fig. 13). Carefully spread out the padding, checking that there are no wrinkles in the cheek pad fabric cover
- 13.2 Remove the upper flap “B” and lower flap “C” of the frame in respective loops on the back of the frame itself (Fig. 12).
- 13.3 Unhook the three eyelets “A” of the rear frame on the left cheek pad at the three press studs (top, front and rear) on the back (Fig. 12).
- 13.4 Repeat the same process with the right cheek padding.

14. Cheek Pad assembly

- 14.1 Insert the rear flap of the comfort padding of the left cheek pad into the cavity between the rear seal and the inner polystyrene shell (Fig.11).
- 14.2 Insert the chin strap into the cavity in the cheek padding and press at the three snap fasteners placed on the back to hook it in the relevant housing (Fig.10).
- 14.3 Repeat the same process with the right cheek padding.
Warning: the buttons are hooked on only when you hear the click. Make sure that the strap is coming out well from the cheek padding.

WARNING

- If your helmet is equipped with the double D-Ring retention system, pull it down as indicated in the attached double D-Ring label.
- Remove the inner comfort padding only when cleaning or washing is required.
- Never use the helmet without having completely and correctly reassembled its inner comfort padding and its cheek pads with expanded foam.
- Delicately hand-wash in lukewarm water (max. 30° C) and neutral soap.
- Rinse with cold water and dry at room temperature, away from direct sunlight.
- Never machine-wash the inner comfort padding.
- The inner polystyrene is an easily deformable material. It is apt to change or get partially destroyed to help absorb shocks.
- Do not modify or alter the helmet’s internal polystyrene components in any way.
- Clean the inner polystyrene components with a damp cloth only and allow it to dry at room temperature away from direct sunlight.
- Never use tools or equipment of any sort to carry out the steps described above.

EYEWEAR ADAPTIVE

15. Creating space for the eyewear

- 15.1 Remove the left cheek pad from the helmet (see instructions above).
- 15.2 Unhook the eyelet “A” on the rear frame of the corresponding cheek pad at the upper press stud on the back (Fig. 16).
- 15.3 Remove the upper flap “B” of the frame from the loop on the back of the frame itself (Fig. 16).
- 15.4 Gently remove the inner expanded foam padding from the fabric lining cover of the cheek pad (Fig. 17).
- 15.5 Detach the upper part of the pre-lined inner padding (Fig. 17), then correctly reposition the remaining part of the padding in the cheek pad.
N. B. it is recommended that you keep the removed padding for reuse in the future.

- 15.6 Insert the upper flap “B” of the frame into the loop on the back of the cheek pad and reattached the eyelet “A” at the top press stud on the back (Fig. 16).
- 15.7 Remove the left cheek pad from the helmet (see instructions above).
- 15.8 Repeat the same process with the right cheek padding.

16. Removing space for the eyewear

- 16.1 Remove the left cheek pad from the helmet (see instructions above).
- 16.2 Unhook the eyelet “A” on the rear frame of the corresponding cheek pad at the upper press stud on the back (Fig. 16).
- 16.3 Remove the upper flap “B” of the frame from the loop on the back of the frame itself (Fig. 16).
- 16.4 Correctly insert part of the previously-removed padding inside the cheek pad fabric lining cover (Fig. 17).
- 16.5 Insert the upper flap “B” of the frame into the loop on the back of the cheek pad and reattached the eyelet “A” at the top press stud on the back (Fig. 16).
- 16.6 Reattach the complete cheek pad in the helmet (see instructions above).
- 16.7 Repeat the same process with the right cheek padding.

VENTILATION SYSTEM

The ventilation system of the N87 helmet consists of:

Chin guard air intake: allows ventilation in the mouth and visor area.

For the maximum effectiveness of the ventilation, adjust the air intake as per Figure 18A, with the air intake completely open or Fig. 18B, with air intake completely closed.

Front air intakes (left and right): the innovative AIRBOOSTER TECHNOLOGY channels the air coming from the front air intake by directing it in the top area of the rider’s head without any dispersion. See Fig. 19 for opening and closing.

Rear extractor: is integrated into a rear spoiler and allows the removal of warm and stale air, ensuring maximum comfort inside the helmet (Fig. 20).

N-COM - NOLAN COMMUNICATION SYSTEM PRE-SETTING

Your Nolan helmet is factory-preset to be equipped with the N-Com communication system. During the communication system installation (see the specific instructions contained in the N-Com kit), it will be necessary to remove the foam material fillers located in the polystyrene cheek pads next to the N-Com earphones seats. A series of supports are also provided as an accessory which **MUST** be used to fasten the various N-Com keypads to the helmet’s shell. Please contact an authorized Nolan Dealer.

WARNING

- The above-mentioned fillers should **only** be removed if the helmet is used with an N-Com compatible system installed.

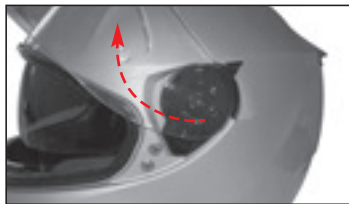


Fig. 1

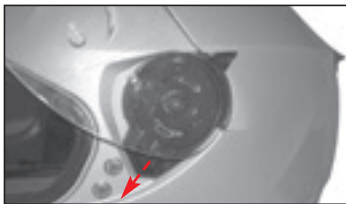


Fig. 2

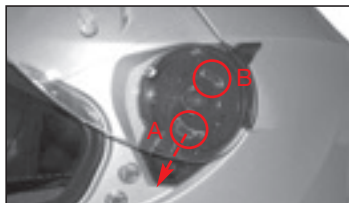


Fig. 3

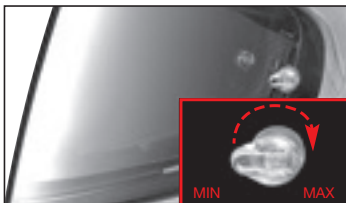


Fig. 4

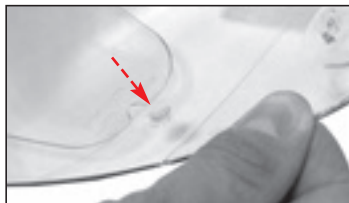


Fig. 5

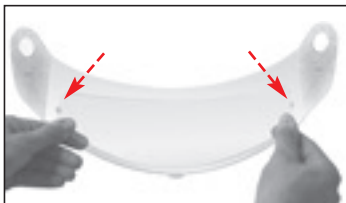


Fig. 6



Fig. 7A



Fig. 7B



Fig. 8

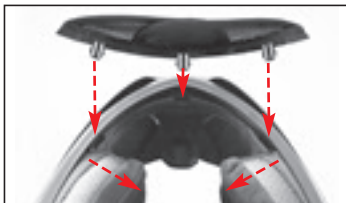


Fig. 9

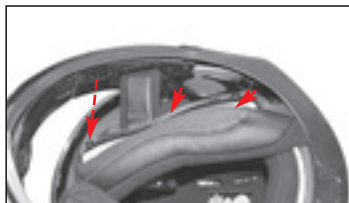


Fig. 10



Fig. 11

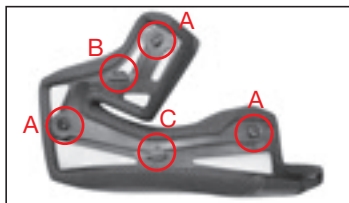


Fig. 12



Fig. 13

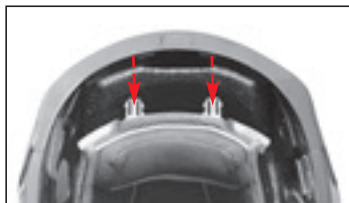


Fig. 14



Fig. 15

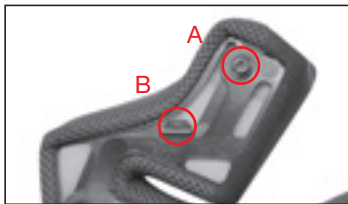


Fig. 16

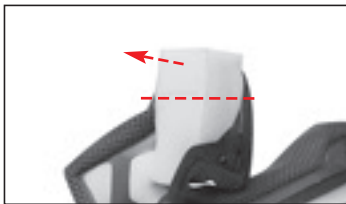


Fig. 17



Fig. 18A



Fig. 18B



Fig. 19



Fig. 20

- ***This helmet is manufactured in a plant respecting the environment. At the end of its use, it is recommended to dispose of it according to specific regulations in force over the place or Country of residence.***