



NISSAN MOTOR (GB) LIMITED
The Rivers Office Park, Denham Way,
Maple Cross
Hertfordshire. WD3 9YS

10

Customer Service Information Bulletin

MIST INSIDE LIGHT UNITS

This bulletin explains why it is quite normal for moisture to collect inside light units.

During operation the air temperature inside the lamp rises considerably. As air expands when hot, the air has to be released through a breather in the top of the lamp unit.

To replace it, air is sucked in from outside, through a lower breather. This process will continue until the lamp is switched off. If the outside weather conditions are wet, then the air pulled into the unit will contain moisture.

When the lamp unit is switched off, the air inside the unit cools. As it cools, the air contracts. The cool air cannot hold as much moisture as the hot air so moisture condenses out of the air onto the coldest surface, which is usually the light lens.

When the lamp is next used the heat generated will quickly clear the condensation from the unit.

This cycle occurs in all lamps but is more severe in bumper mounted lamps, which are subject to water spray from the road. Fog lamps are most commonly affected, due to the moist condition in which they are typically used.

MIST INSIDE LIGHT UNITS