Marten defense General information and benefits





Why do they bite?

To understand better how to protect vehicles from marten damage, you have to know what makes martens cause the damage:

Hiding place: The engine compartment is a popular hiding place for martens. The heat, which is frequently believed to play a role,

is not a factor here.

Exploring: Martens explore their environment with their teeth. They bite through cables, tubes and gaskets.

Territorial battles: When martens smell the scent of a rival, they become extremely aggressive. Therefore, vehicles which are frequently

parked in varying "marten territories" are at particular risk.

When to use ultrasound or high voltage?

Ultrasound: For "headstrong" martensMartens find the sound unpleasant and avoid it.

The benefits of K&K devices:

- · Pulsating sinusoidal ultrasound waves (inaudible to humans)
- · At varying intervals to avoid a habituation effect
- Imitates animals' warning cries, therefore a particularly effective deterrent
- · 360° dome speaker all-round protection
- Enclosed, fully sealed speaker → Industry-leading waterproofing enables low-level installation and withstands engine washes

High voltage: "Those who don't want to listen, find out the hard way".

For older martens (poor of hearing) or aggressive animals (territorial battles), high voltage is recommended.

The benefits of K&K devices:

- · Approved for all engine generations
- · Soft start-up slow start at low power level
- · Do not affect the vehicle electronics
- Do not require connection to terminal 15, as device is used independently
- · Increased safety due to bonnet safety switch with quick discharge
- · Battery monitor protects against full car battery discharge

For internal use.

Marten defense

Products and their application areas



Pre-treatment

Remove territorial markings

Before successful application of a marten deterrent, remove scent markers using scent remover 000300 or by carrying out an engine wash.

Which product for which application?

Ultrasound devices:

M2700 - 000-054-651-A

- · THE recommendation for ultrasound
- Full waterproofing ensures lower installation – thus creating a "sound carpet"
- Ultrasound radiates like light and sound shadows can be avoided already during installation

M8700 - 000-054-650-E

- · Standalone battery operation (AA batteries)
- · Can also be used outside the engine compartment (carports)
- · Suitable even for short-term use e.g. rental cars

M7500 - 000-054-650-H

- · The special device to avoid animal footprints on paintwork
- · Is attached to the bonnet and uses it as a resonance body to also issue the ultrasound to the exterior.

High-voltage combined devices:

M4700B - 000-054-650-J

- THE recommendation due to new brush technology
- · +/- high voltage also penetrates the insulating fur
- · Wider sound range and ambient-independent installation are guaranteed
- · Bonnet safety switch with guick discharge included

M9700 - 000-054-650-K - (Battery variant with brushes)

· Also suitable for vehicles not in constant use (convertibles, vintage cars, camper vans)

M4700 - 000-054-650-F

- The predecessor of M4700B with all the benefits except for the +/- brushes
- · This device uses 6 sliding stainless steel plates

M5700N - 000-054-650-G

- · 6x Ultrasound (integrated in the six high-voltage satellites)
- \cdot allows a wide dispersion of sound in wide engine compartments (SUV, transporter)

