



LOWER ROAD, BARNACLE, COVENTRY CV7 9LD ENGLAND
TEL: +44 (0)24 7684 1750 FAX: +44 (0)24 7662 1796
email: woodway@btconnect.com
Website: www.woodwayengineering.co.uk

The Use Of Magnetic or Suction Mount Beacons on Moving Vehicles.

The use of a magnetic or suction mount beacon on the roof of a vehicle in motion is not recommended and is at the sole discretion of the user. Before using a magnetic or suction mount beacon on a moving vehicle the following factors noted below should be considered. Each factor will to varying degrees contribute to the magnetic/suction adhesion being lost and the beacon becoming detached from the vehicle posing a risk of death or injury to other road users.

- The higher the speed that the vehicle is travelling the greater the force that will be exerted on the beacon.
- Headwinds, crosswinds, turbulence from other vehicles and forces exerted when cornering, accelerating or braking may exert sudden unpredictable forces on the beacon.
- The surface condition of the vehicle roof due to the presence of water, ice or road contamination will compromise suction and reduce magnetic adhesion and will act as a lubricant that may cause the beacon to move.
- The use of rubber or neoprene magnet caps to prevent scratching of the vehicle roof will reduce magnetic adhesion.
- The thinner the gauge of metal used in the manufacture of the vehicle the lower the magnetic clamping force available.

For more information or advice contact our technical department on

02476 841750