



Installation and Operation Instructions EB7180 & EB7185 Series Vacuum Mount Kit

WARNING!

Failure to install or use this product according to manufacturers recommendations may result in property damage, serious injury, and/or death to those you are seeking to protect!

Do not install and/or operate this safety product unless you have read and understand the safety information contained

1. Proper installation combined with operator training in the use, care, and maintenance of emergency warning devices are essential to ensure the safety of you and those you are seeking to protect.
2. Exercise caution when working with live electrical connections.
3. This product must be properly grounded. Inadequate grounding and/or shorting of electrical connections can cause high current arcing, which can cause personal injury and/or severe vehicle damage, including fire.
4. Proper placement and installation are vital to the performance of this warning device. Install this product so that output performance of the system is maximized and the controls are placed within convenient reach of the operator so that s/he can operate the system without losing eye contact with the roadway.
5. Do not install this product or route any wires in the deployment area of an air bag. Equipment mounted or located in an air bag deployment area may reduce the effectiveness of the air bag or become a projectile that could cause serious personal injury or death. Refer to the vehicle owner's manual for the air bag deployment area. It is the responsibility of the user/operator to determine a suitable mounting location ensuring the safety of all passengers inside the vehicle particularly avoiding areas of potential head impact.
6. It is the responsibility of the vehicle operator to ensure during use that all features of this product work correctly. In use, the vehicle operator should ensure the projection of the warning signal is not blocked by vehicle components (i.e., open trunks or compartment doors), people, vehicles or other obstructions.
7. The use of this or any other warning device does not ensure all drivers can or will observe or react to a warning signal. Never take the right-of-way for granted. It is your responsibility to be sure you can proceed safely before entering an intersection, driving against traffic, responding at a high rate of speed, or walking on or around traffic lanes.
8. This equipment is intended for use by authorized personnel only. The user is responsible for understanding and obeying all laws regarding warning signal devices. Therefore, the user should check all applicable city, state, and federal laws and regulations. The manufacturer assumes no liability for any loss resulting from the use of this warning device.

Mounting:

The Vacuum-Magnet Mount feature includes a suction cup on the bottom of the beacon, with a magnet inside of the suction cup, for a secure, temporary mount. The beacon should be placed in the center of the roof where the least amount of curvature occurs.

Before installing, make sure there is no debris on the bottom of the beacon or on the roof of the vehicle, which could reduce the holding power of the suction cup and magnet. Place and remove the beacon without sliding to avoid scratching the paint on the vehicle. After placement, the beacon should adhere firmly to the surface. If the unit slides or moves easily, a proper installation has not been obtained.

Vacuum Mount Wiring and Installation:

1. (Optional) Trim the cable from the beacon to 4 inches long from the cable exit. Strip the jacketing from the last two inches of cable for ease of assembly.
2. Splice the wires from the beacon to the cut end of the cigarette adaptor cord using customer supplied connectors. Red to red, black to black, yellow to blue and blue to yellow. Cut any remaining wires down to the jacketed portion of the wires.
3. As a strain relief, a zip tie may be applied to the cigarette adaptor cable at the edge of the jacketing. Arrange the connectors inside the beacons base and place the unit on the vacuum mount base from the accessory kit. Route the cigarette adapter cable through the slots in the base and magnet mount. See FIGURE 1.
4. Secure the assembly using the four (4) Phillips head screws from the accessory kit. Torque to 10 in-lbs, (1.2 Nm).

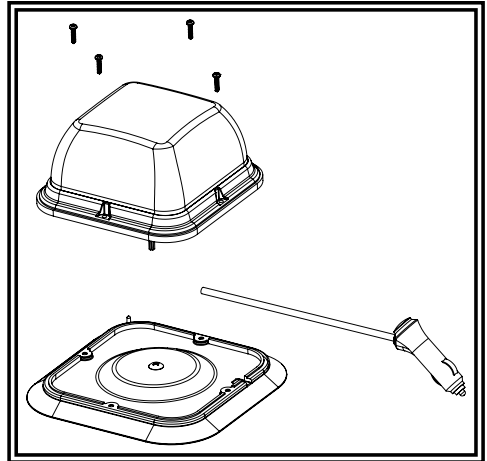


FIGURE 1

To release the vacuum, lift the tab to release the airlock. To protect the Vacuum-Magnet Mount assembly, return beacon to the box when not in use. Do not attempt to attach the beacon to an ice-covered surface.

 **WARNING!**

Maximum recommended vehicle speed for safe operation using the Vacuum Mount model is 65 mph (104 km/h), when fitted to the center of a vehicle roof of steel construction. Higher speeds could cause the mount to fail, resulting in the beacon flying off of the vehicle, which could cause damage to your and other vehicles, and injury or death to the passengers.

The Vacuum Mount is not intended as a permanent mounting for the beacon. Metallic debris collected by the Vacuum Mount will contribute to rust stains. Ensure that the Vacuum Mount is kept clean

