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INSTALLATION INSTRUCTIONS FOR ECE REG65 LED BEACONS



Electricity can shock, burn and cause damage to your vehicle!
Disconnect the battery before wiring up the Beacon.



Drills can be dangerous!
Make sure that the person operating the drill is trained and takes adequate safety precautions.



Electrical cables can melt!
Ensure cable cross sectional area is capable of carrying the required Beacon load.



Incorrect fuse ratings can cause cables to over heat and cause fire!



Electrical cables are prone to damage!
Ensure that adequate protection is provided for cables passing through vehicle panels.



Electrical cables can affect other equipment!
Route product supply cables away from sensitive cables (e.g. Radio, aerials, anti-lock braking etc.) If this is not possible, cross the cables at 90°.



This product is approved to ECE Regulation 65
This product is approved to ECE Regulation 10-04

IMPORTANT – please retain these instructions for future reference

Mounting Position

Ensure that the mounting position selected is in accordance with national and local legal requirements.

The light from the beacon should be visible from any point at a reasonable distance from the vehicle.

The beacon base should be parallel with the ground and fitted to the flattest part of the vehicle roof, on the longitudinal centre line.

If radio equipment is fitted to the vehicle, a MINIMUM distance of 500mm between the beacon and the antenna is required.

Installation & Electrical Wiring

Electronic Compatibility (EMC)

This product is approved to ECE Regulation 10-04 (EMC). However, it is good practice to route product supply cables away from sensitive cables (eg. Radio, aerials, anti-lock braking systems etc). If this is not possible, cross cables at right angles.

3 Bolt and 1 Bolt Beacons

Choose a surface that meets the mounting position requirements.

Drill holes in the vehicle panel using the template as a guide.

The 1 Bolt beacon requires only one 12.7mm diameter hole.

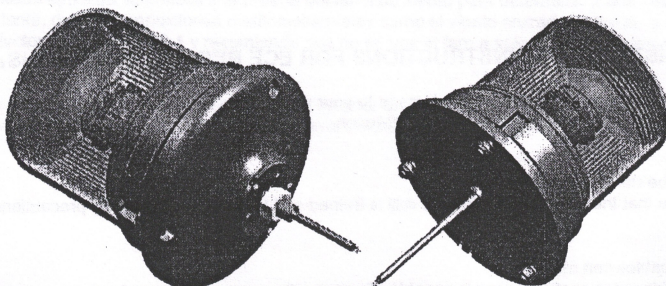
Pass the cable through the hole in the vehicle panel and secure the beacon in place. Tighten fixings to recommended torque figure shown on the template.

Disconnect the battery before wiring up the beacon.

This beacon should be connected using cables of not less than 0.5 mm² cross sectional area.

Connect the red cable to a switched, positive supply protected by a fuse rated at 4 Amps max.

Connect the black cable to the vehicle negative (earth).



The 3 bolt and 1 bolt beacon have 13 flash patterns. To change the flash pattern, momentarily touch the blue cable to the negative.

NOTE! To meet REG65 the flash pattern should be set to flash pattern 1 (single flash), 2 (double flash) or 3 (rotating flash).

RED - POSITIVE

BLACK - NEGATIVE

BLUE - CHANGE FLASH PATTERN

YELLOW - SYNCHRONISATION

Plug-in Beacons

Push the beacon fully onto adaptor socket and tighten wing-nut using hand pressure only. If not fitted, locate the adaptor socket (part number 13109 series) in a position that meets the mounting requirements.

The beacon should be connected using cables of not less than 1 mm² cross sectional area.

Connect the centre contact of the adaptor socket to a switched, positive supply, protected by a fuse rated at 4 Amps max.

Connect the body of the adaptor socket to the vehicle negative (earth).

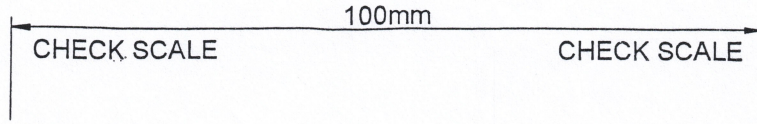
Magnetic Beacons

The vehicle panel must be of steel construction and covered only with the manufacturers normal paint finish. The area for mounting must be dry and clean. This beacon relies on the force of the magnet to hold it in position on the vehicle.

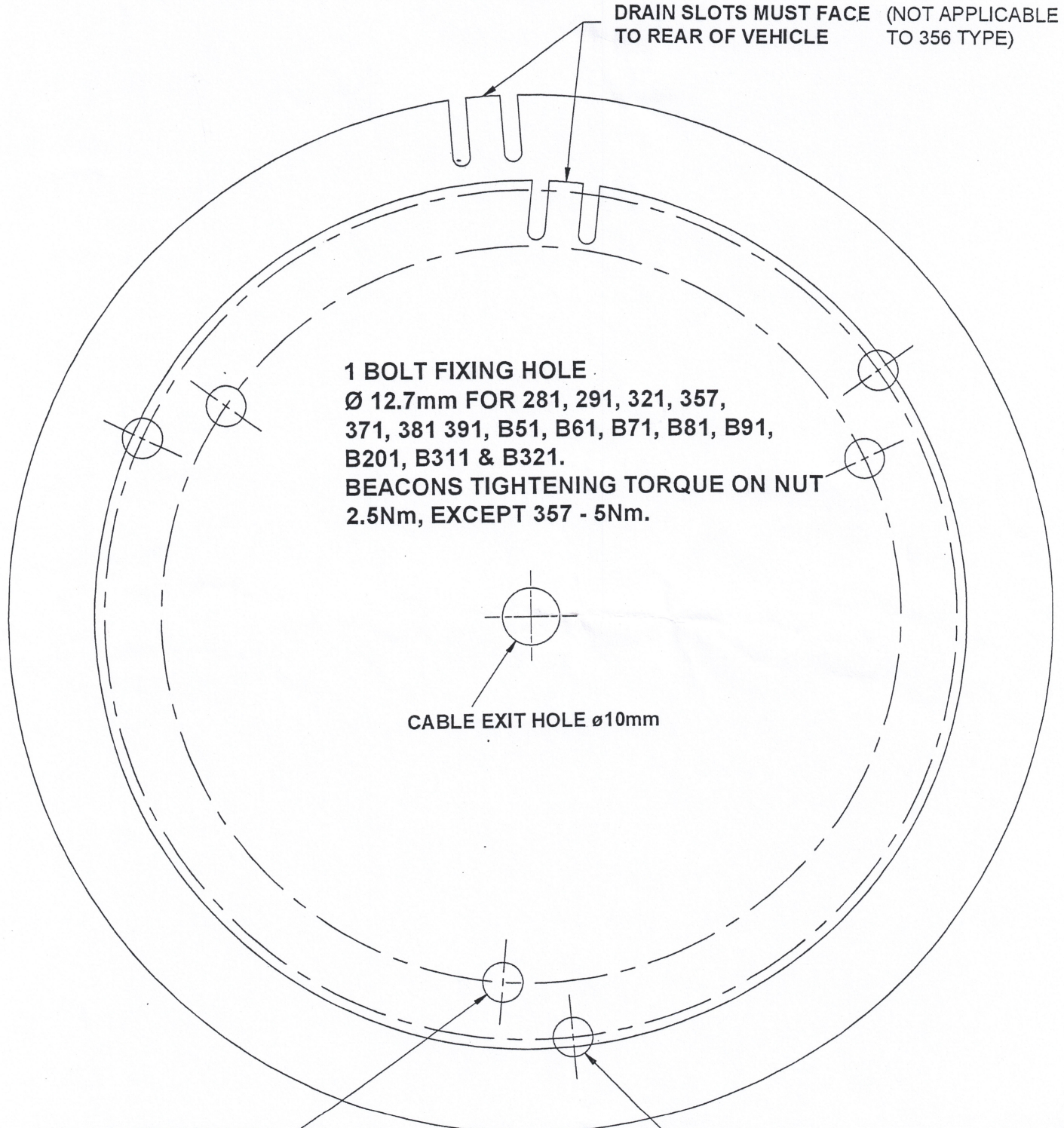
The magnetic beacons have been wind tunnel tested to establish the wind speed at which they may become detached. However, Because of environmental conditions such as cross winds, rain, snow and ice, Britax apply a 3:1 safety factor and would recommend that the beacon is not used at vehicle speeds in excess of the maximum stated on the product label.

The cable assembly is provided with a plug to insert into the cigar lighter socket mounted within the vehicle. The plug can also be fitted into a DIN 72591 single socket by removing the adaptor sleeve.

DRILLING TEMPLATE FOR BRITAX BEACONS



DRAIN SLOTS MUST FACE (NOT APPLICABLE TO REAR OF VEHICLE (NOT APPLICABLE TO 356 TYPE)



1 BOLT FIXING HOLE
Ø 12.7mm FOR 281, 291, 321, 357,
371, 381 391, B51, B61, B71, B81, B91,
B201, B311 & B321.
BEACONS TIGHTENING TORQUE ON NUT
2.5Nm, EXCEPT 357 - 5Nm.

CABLE EXIT HOLE ø10mm

3 BOLT FIXING HOLES
Ø7mm ON A 130mm P.C.D.
FOR 270, 280, 290, 320, 356, 370, 380,390.
B50, B60, B70, B80, B90,B100,
B150, B180, B200, B310, B320
BEACONS.

3 BOLT FIXING HOLES
ø7mm ON A 150mm P.C.D.
FOR 373 BEACON.

TIGHTENING TORQUE ON MOUNTING NUTS TO BE 0.5Nm
UNLESS OTHERWISE STATED