

Dorian TX16000

DATA-1 SERIES



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Battery Charging for the Dorian TX16000

Recharge before each meeting

1. A fully charged Battery will last a minimum of 7 days and may last as long as 10 days.

Charging the Dorian TX16000

1. Ensure that the Gold contacts on the underside of the transmitter are wiped clean. Don't use sandpaper or other abrasive methods as they will remove the gold plating.
2. Place the transmitter on the charging sled, ensure the plug pack is connected and turned on.
3. After a short delay the green light on the transmitter will light. The charge cycle may take several minutes to start, especially if the unit has been deeply discharged, ie has not been charged for some time.
4. Remove the transmitter once the green light begins flashing. The charge cycle can take as long as 4 Hours. Leaving the transmitter on the charger for longer will have no effect. Leaving the transmitter permanently on the charger is not recommended.
5. The charge level of a transmitter can be "topped up". The time to complete the charging will be proportional to the discharge state of the battery. ie a half discharged battery will take approx 1.5 hours to charge.

Light Indications - Unit ON Charger

1. No Lights - transmitter trying to establish a charging cycle, preconditioning. If this state remains after 30 minutes, then transmitter is faulty and needs to be returned to Dorian for Repair.
2. Solid Green - transmitter is charging.
3. Flashing Green - transmitter is fully charged.
4. Solid Red - Fault condition, ensure contacts are clean and retry. If problem persists, return to Dorian for repair.

Light Indications - Unit is OFF the Charger, Normal Operation

1. No Lights - Battery is flat.
2. Red Every Second - transmitter was removed from charger before charging cycle was complete.
3. Red Every Second - Battery is flat, transmitter shutdown will occur soon.
4. Green Flashing Every 2 Seconds - Fully charged within the last 24 hours.
5. Green Flashing Every 6 Seconds - Fully charged over 24 hours ago.
6. Both Green & Red on at the same time indicate that the transmitter is in non radiate mode. This can be cleared by placing the transmitter back on the charger.

Comments and Recommendations

1. After use remove the transmitter from vehicle, clean and store in a dry environment.
2. To ensure the batteries in this transmitter give good service Dorian recommends that the transmitter be charged every two to three months, even if it can't find a race to attend.
3. Battery Life - This transmitter is fitted with the latest technology LIPOL batteries which Dorian expects to give good service over several years. The transmitter carry's a 12 month warranty from the date of original sale.

Charging Sled

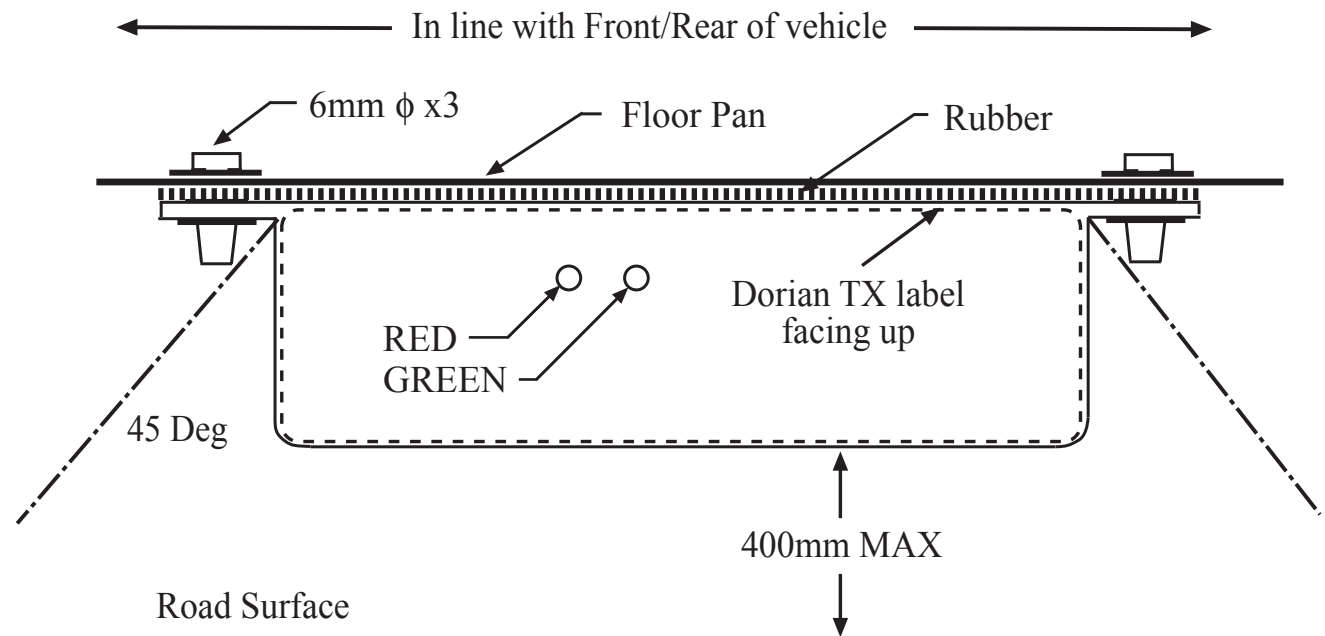
The TX16000 charging sled is fitted to the Dorian timer ensuring that the two gold plated connectors are positioned so that they contact the connectors on the timer (it will only be correct in one direction). Plug the plug pack into the charging sled.



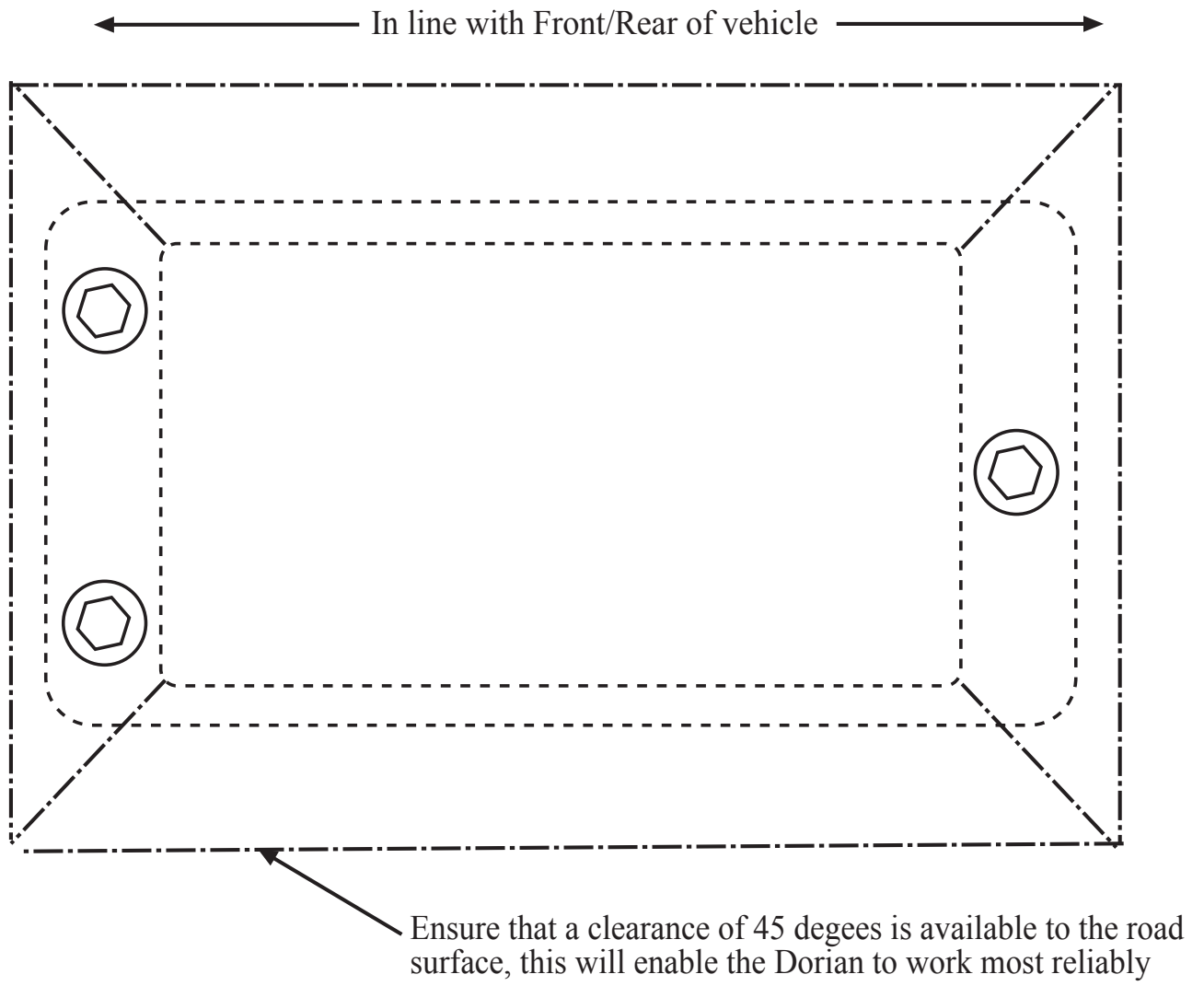
Dorian Fitment with Sedan Mount Bracket/Bracket

1. The usual mounting position is under the vehicle floor pan, preferably under the passenger's seat.
2. The mounting of the Dorian Bracket does require the drilling of three 6mm holes in the vehicle. Sometimes this can be a problem for some non race, (road) cars. It may be necessary to engineer a mounting plate which makes use of other mounting holes/features which are part of the normal vehicle fit.
3. The Transmitter may be mounted above the floor pan if the floor pan is of a Non-Metallic material, ie: Fibreglass.
4. Any flat surface under the vehicle is fine as an alternative to (1), provided that the transmitter face is "Flat to the Road Surface" and is not more than 400mm above the road surface and the transmitter face is not impeded by other metal components of the vehicle. The transmitter should have a 45 degree clear window as shown.
5. The transmitter can handle extremes of temperature but should not be mounted too close to the exhaust system.
6. The transmitter must be mounted with road clearance in mind, especially if road conditions are rough or speed humps are expected.
7. Refer attached diagrams for correct orientation.

Side View



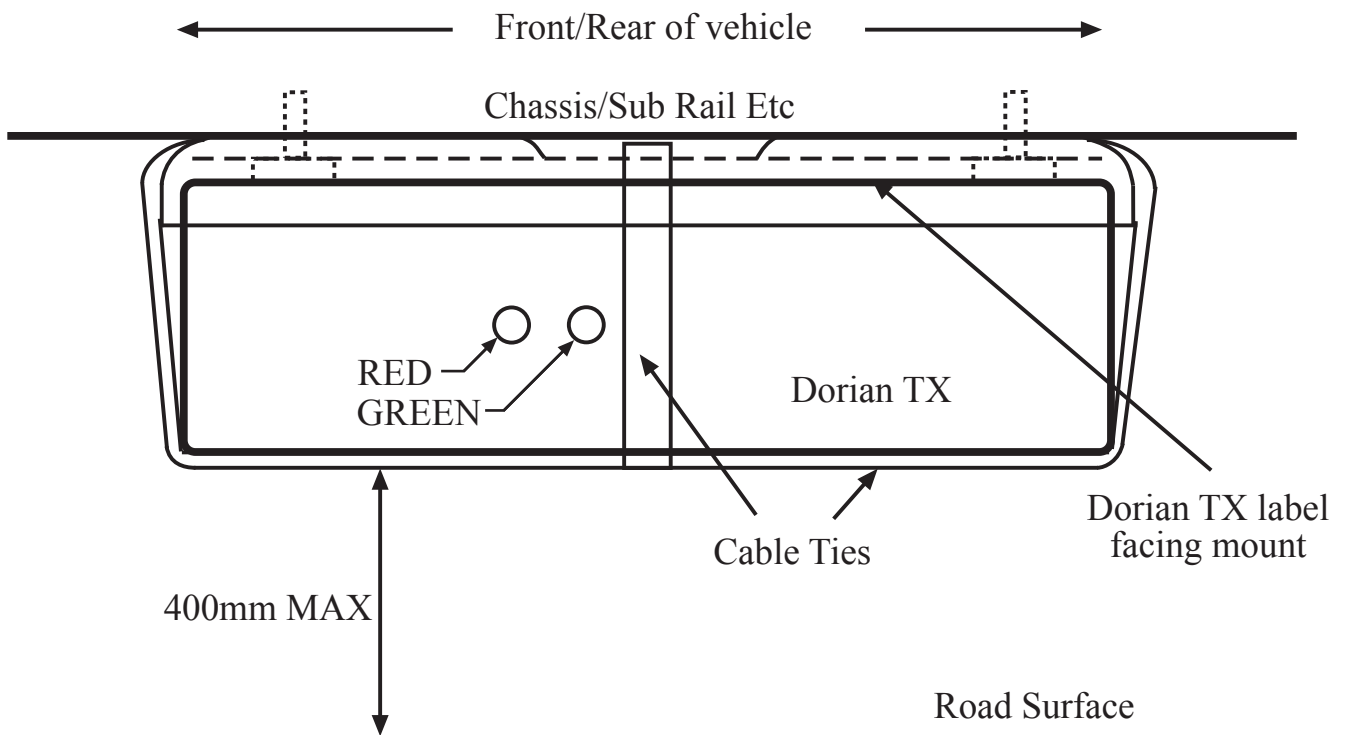
Plan View



Dorian Fitment with Tray Mount

1. The tray mount is usually used where mounting of the Dorian transmitter is more difficult and cannot be achieved with the use of the standard “Sedan Mount” bracket. This situation typically exists with open wheel and some sports cars.
2. The Tray mount can be mounted via the use of 2-4 small screws/bolts in either the vertical or horizontal plane, the Dorian transmitter is held into the mount with the aid of cable ties. Refer to the diagram below.
3. The space between the Dorian and the road surface should be free from the obstruction by any metal and the distance between the transmitter and the road surface should not exceed 400mm.

Horizontal Mount



Vertical Mount

