

Dorian TX8000

DATA-1 SERIES



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Battery Charging for the Dorian TX8000

Basically: GREEN = OK - RED = Action Needed

Recharge before each meeting

1. A fully charged battery will last from five to 12 days.
2. TX8000 continues to discharge when not in use and must be recharged prior to each meeting.
3. Recharge so battery will last up to, and through, the race meeting.

Charging the TX8000 Transmitter

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. Place on charger for at least nine hours (eg overnight).
4. Remove when the green light is flashing (no harm if left on the charger for a longer period).

Lights when unit is ON the charger

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|---------------------------------------|---|
| 1. No lights or red and green both on | OK unit trying to charge (battery voltage low). |
| 2. Solid Green | Unit is charging. |
| 3. Flashing Green | Fully charged. |
| 4. Solid Red (Stays ON) | Faulty. Clean contacts and retry. |

Lights when the unit is OFF the charger (ie, operational)

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|-----------------------------------|---|
| 1. None | Unit has flat batteries. |
| 2. Red every second | Unit removed from charger early. |
| 3. Red every second | A few hours left. |
| 4. Red every six seconds | About one hour left. |
| 5. Green flashing every 2 seconds | Fully charged within the last 24 hours. |
| 6. Green flashing every 6 seconds | Fully charged over 24 hours ago. |

Comments

1. Rechargeable batteries last longer when the correct recharge procedure is followed. The Dorian charger is an "intelligent charger" and automatically optimises battery life.
2. The batteries will give a number of years use. (up to 5 plus)
3. Do not store unit on an operating charger when not in use.
4. After use, remove TX8000 from car, clean and store in a dry environment.
5. If the GREEN light does not start flashing after nine hours take the unit off the charger. If the GREEN light starts flashing, the unit is fully charged. If the RED light comes on, repeat the charging process could be dirty connection, bumped in the process and it restarted the cycle, power interrupted and it restarted the cycle, or unit has an intermittent fault). After two tries, call Dorian for assistance.
6. Regular use/charging will ensure a longer battery life, ideally recharge at least every 3 months

Charging Sled

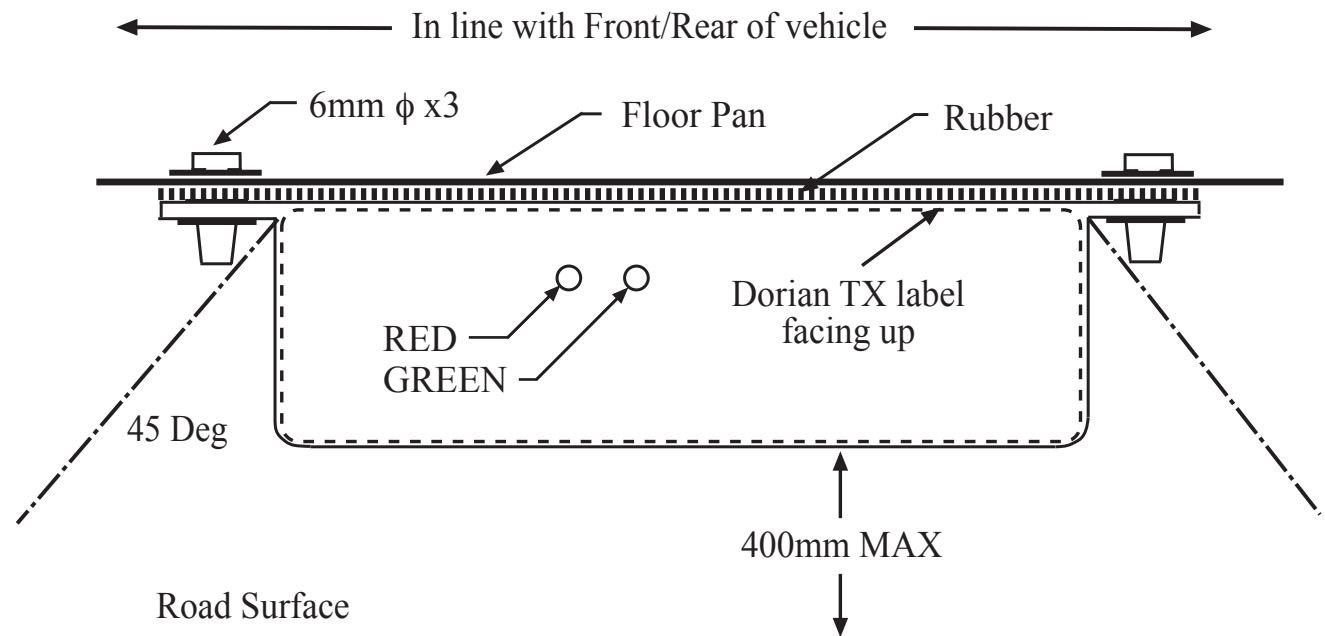
The TX8000 charging sled is fitted to the Dorian timer ensuring that the two gold plated connectors are positioned so that they contact the connectors on the timer (it will only be correct in one direction). Plug the plug pack into the charging sled.



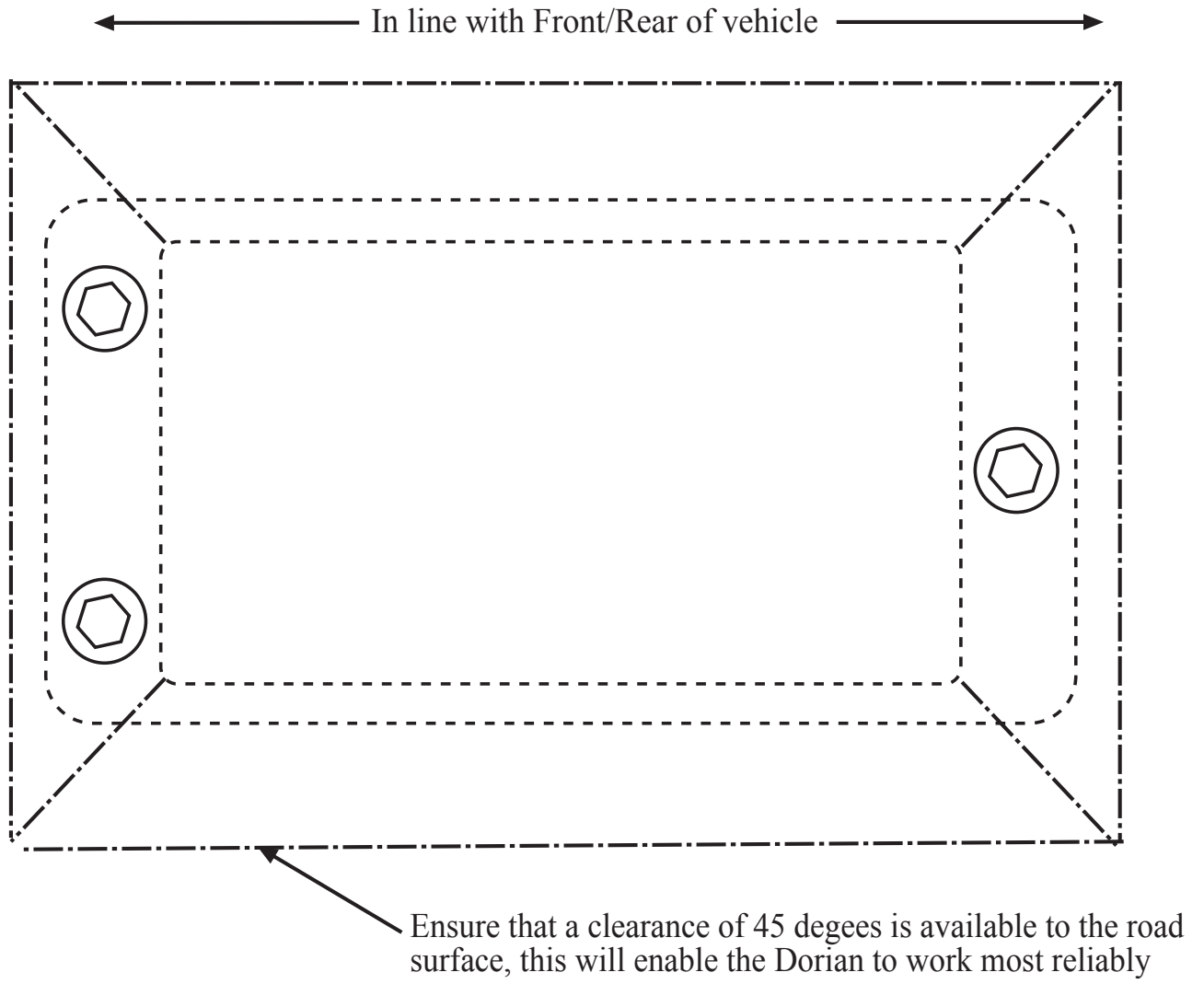
Dorian Fitment with Sedan Mount Bracket/Bracket

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



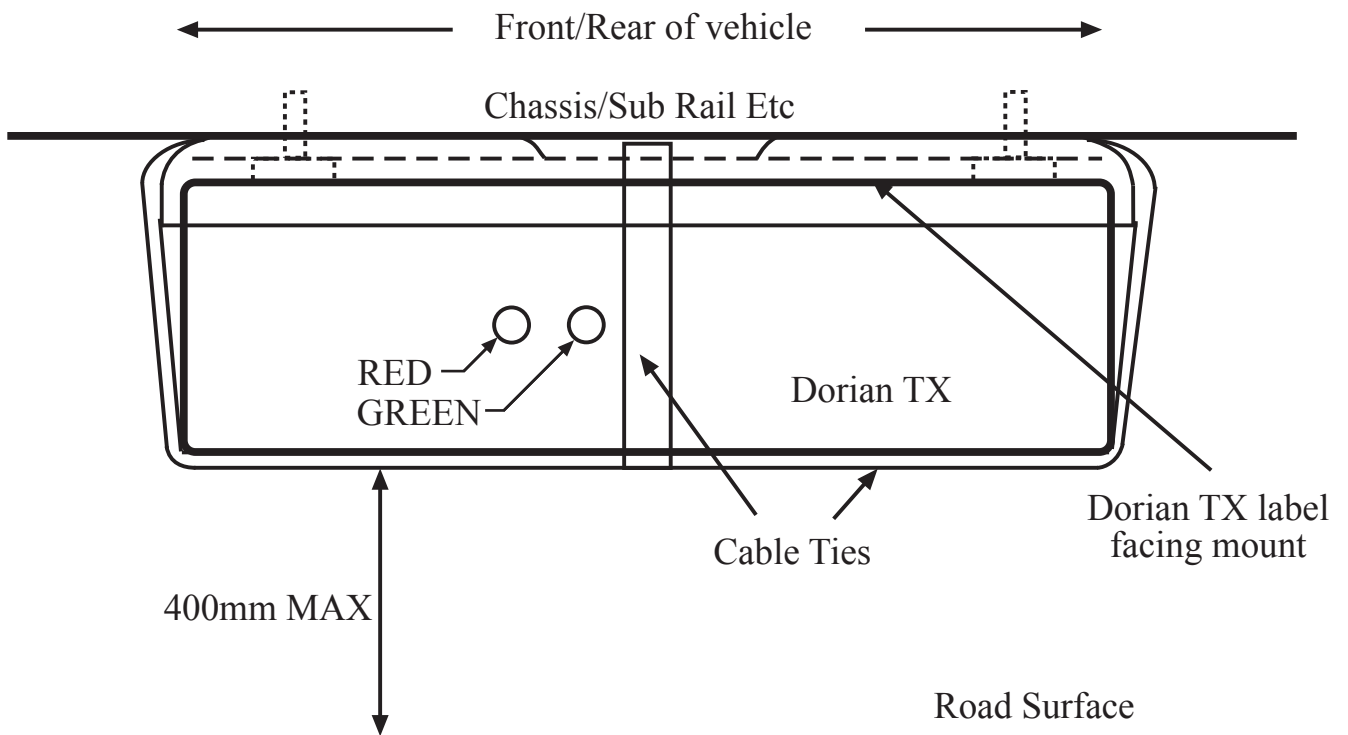
Plan View



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

