

Parking Dynamics PD1 Installation Best Practices

To ensure a correct, optimum and fully operational install please follow these recommendations.

Pre-Install Test 1:

Front and Rear Sensor Using 1 Antenna: Standard and Typical Install

To ensure optimum detection range; once you have measured and determined your desired heights for the antenna, and before fixing the bumper back on permanently. Position the bumper back on your car using only the clips to hold it, and test with your hand to ensure you are satisfied with the detection range. Move antenna if required.

Pre-Install Test 2:

Rear Sensor Using 2 Antennas: For vehicles with tow bar fitted or spare wheel fixed to rear door (Download PDF: '**Boosting PD1 Sensor Detection Range**' for details)

To ensure optimum detection range; once you have measured and determined your desired heights for the 1 or 2 antennas, and before fixing the bumper back on permanently. Position the bumper back on your car using only the clips to hold it, and test with your hand to ensure you are satisfied with the detection range. Move antennas if required. Only use 2 antennas if required, see Boosting Detection Range notes.

This will ensure that the 2 antennas are mounted at the appropriate heights.

Parking Dynamics PD1 Front and Rear Antenna Installation Criteria:

- Carefully clean the inner side surface of the bumper using alcohol or other solvent (but NOT anti-adhesive detergent), where the antenna will be positioned prior to attaching the adhesive antenna.
- Must be secured along the complete length of the bumper but leaving 20cm from the wheels, typically 10cm from edge of the bumper.
- Apply a piece of the included black adhesive material at either end of the antenna. Its a good idea to cover the antenna with a black anti-rust protection paint that is applied to the underneath of a car chassis to protect from the elements or use a similar plastic protection primer.
- Must be installed a minimum of 3 cm away from any metal parts such as the metal crash protection bar typically found behind rear bumpers. (Download PDF '**Boosting PD1 Sensor Detection Range**' for details)
- Antenna can pass over metal structures for a short length of 2/3 cm.
- If installing 2 antennas to rear bumper ensure the lower antenna is at least 40cm, ideally 45 cm from the ground.
- Install on the most protruding area of the bumper. Furthest away from metal body of vehicle.
- Must be installed a minimum of 40cm from the ground, 60cm maximum and with 50cm being optimum.
- Front antenna can go as low as 20cm if protection of front spoiler is required from kerbs.
- Twin black Antenna Wire: Can be extended up to 20cm if required. Fasten the twin wire securely when routing from ECU to antenna, using as much mastic as you need to avoid any movement or oscillation. This will prevent false alarms.
- Do NOT run the twin antenna wire through the Air Valve if present near your bumper. Use a Rubber grommet.

Parking Dynamics PD1 Front and Rear Electronic Control Unit (ECU) Installation Criteria:

- Before installing the ECU think about where you will pick up the earth and 12V live sources and mount the ECU in an appropriate location.
- ECU must be installed 3 cms away from electrical devices or heat sources to prevent interference.
- Use adhesive pad to mount the rear ECU and if available use a zip or tie strap for the front ECU.
- Speaker wire can be extended up to 15 Meters if required