

DONMAR TSB: Troubleshooting Parking Sensor False Reads

Applies to Precision Park P2000, P4000, P5000 kits

1. Ensure sensor orientation arrow points straight UP or DOWN. Sensor scan pattern is 120° horizontal and 60° vertical. *If turned sideways, wide scan angle may read ground and false.*
2. Sensors should be located between 15 and 30 inches off the ground. *Too low will read ground and false.*
3. Sensors should be located at least 15 inches apart. *Too close together can cause a false due to crossing signals.*
4. Sensors should always be perpendicular to the bumper surface. *Locating sensors on an inward angled area can cause a false due to crossing signals.*
5. Check sensor angle with a plumb line or small level. Sensor face should be approximately 90° off horizontal. *Too much downward angle may read ground and false.* Alternative sensor angles are available.
6. Sensors are marked for inner and outer, left and right locations. Calibration of inner is different than outer. Ensure they are connected to correct ports.
7. Range sensitivity is adjustable. Adjustment screw is on the side of the CPU (rubber plug on P5000). Use a small thin flat blade screwdriver. *Clockwise increases sensitivity, counter-clockwise decreases.*
8. P5000W wireless kit needs to be synchronized with the receiving unit. Put vehicle in reverse, then press and hold the button on the display until the display indicates it has located the sender.
9. P5000W wireless range can be dramatically reduced by improper location of the sending and receiving units.
 - A. Do NOT locate CPU behind taillight inside bed wall. CPU is water and impact resistant, suitable for mounting behind the bumper or under the vehicle.
 - B. Do NOT locate receiver behind a kick panel. It should be on the dash, above/below the rearview mirror or above the rear windshield. You may tuck it under the headliner as long as the antenna remains exposed.
10. False signals may also be the result of a bad sensor, cable, port or connection. *Isolate the sensor that is reading false by swapping the cable, port and sensor.* Replace any bad cables or sensors.