



TE-PSCD

Product Manual

The iBEAM **TE-PSCD** parking sensor kit consists of 4 ultrasonic sensors, a rearview mirror or external monitor video input/output with audible warning detection all intergraded into the control box. The system detects the distance between the vehicle and any obstructions with the use of the ultrasonic sensors mounted in the bumper, external camera (purchased separately) to external monitor (purchased separately) video display and an audible warning device.

I. Specifications

Rated Voltage: 12V (9-16V)

Rated Current: 20mA~200mA

Detecting Distance: Rear (0' – 5') Front (0'- 2.5')

Ultrasonic Frequency: 40Khz

Working Temperature: -22°~176°F

II. Connection

Insert Wiring Diagram

- 1) Sensors should be 1.5 to 2.5 feet from the ground, and 4 ¾ to 7 ¾ inches apart from each other (depending on vehicle application).
- 2) Install parking sensors by drilling holes out of the back bumper with the supplied 19mm hole saw bit (make sure when using the angle adapters the thicker side is facing down, level with the ground and the UP arrow on the back of the sensor is facing up), and install parking sensors.
- 3) The rear sensors A/B/C/D should be installed from left to right (looking at the bumper). This is also how they should be plugged into the control box. (Example A: left, B: mid-left, C: mid-right, D: right)
- 4) Connect the **RED** wire to the +12 volt accessory wire.
- 5) Connect the **BLACK** wire to a ground (a metal, non-painted surface).
- 6) Plug that wiring harness into the parking sensor control box (labeled power)
- 7) Run the audible warning device cable through the vehicle and mount somewhere in vehicle's cabin where the device can be clearly heard with no obstructions (avoid placing cable where it can get pinched or damaged) and plug cable into the control box (labeled buzzer).

- 8) Mount the control box in the rear of the vehicle in a safe place away from rain, heat or humidity.

*The back up camera and monitor are needed for the video function to work. First plug the video cable into the control box (labeled video) then run video cable to the video input on monitor and the other end of the video cable to the back up camera's output. This will allow for the video to be displayed on the monitor (in feet) when the parking assist detects an obstruction in the vehicle's path when the vehicle is reversing.

NOTE: 1) The parking sensors are not designed to be used in vehicles with metal bumpers.

2) The parking sensors are paintable. There are small rings included that will fit in the groove on the front of the sensor. When painting, be sure to use these rings so paint does get into the grooves otherwise the sensors will not work properly.

3) The parking sensor kit is used as a parking aid. Please use your mirrors and look around to avoid hitting any object.

III. Learning Function

This is a very useful function for vehicles with spare tire, hitch, bike holder, etc. If the vehicle has a spare tire or hitch on the back, the ordinary parking assist system may detect the tire or hitch which would result in a continuous false alarm. The learning function on this device can easily remove false alarms and it will remember the tire or hitch as part of the vehicle, correcting the alarm.

How to activate the learning function: Make sure there are no objects within 8 feet from the rear of the vehicle. When the ACC is switched to the ON position, shift the vehicle from PARK to REVERSE and back continuously 5 times within 10 seconds, after doing this the learning function is activated and the system will remember the tire/hitch/bike holder's, location automatically.

NOTE: When the hitch or tire has been removed, you will have to relearn the parking assist system so it knows that obstruction has been removed.



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