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### **What is a Parking Sensor System?**

The Parking Sensor system from Reverse Backing Systems is a vehicle safety device that can be added to any car, truck, van and SUV. The device uses ultrasonic technology and is commonly referred to as a backup sensor, reverse sensor, or parking sensor.

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### **How does the Parking Sensor Work?**

The Parking sensor system consists of 2 to 8+ sensors, controller and speaker and or display system. The backup sensors are installed on the back of the vehicle in 3 different ways and they send out an ultrasonic signal 4 times per second to scan for objects behind the vehicle. If the ultrasonic waves bounce off an object and are received back to the backup sensor, then the device will warn the driver audibly and/or visually.

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### **Why do I need a Reverse Backing System?**

Each year there are over 300,000 reported reverse accidents in the U.S. and that does not include the hundreds of thousands of accidents that are not reported. As a matter of fact, according to the Department of Transportation, 27% of car accidents involve at least one vehicle in reverse. Annually, accidents in reverse cost insurance companies and individuals over 1.3 billion dollars. According to [Kidsandcars.org](http://Kidsandcars.org), a non-profit organization focused on improving the safety of vehicles for cars, state that backup accidents killed 91 children in 2003, with 82% of these children under the age of four. This represented a 57% increase from 2002. And according to the Department of Transportation, 70% of all accidents can be avoided in vehicles that have a collision avoidance device.

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### **How is the parking sensor installed?**

Reverse Backing Systems offers 3 different installation options depending upon your needs. The typical installation consists of drilling 4 holes (drill bit provided) in your back bumper, securing the sensors in the bumper, plugging these sensors into the controller, installing the controller in a water proof area of the trunk or back of the vehicle, tapping the power into the reverse back light, and running the speaker or LCD into the front of the vehicle. This installation can be done by most people or can be done by most Best Buy's and almost all cars stereo retail shops. The second option is our license plate frame system that consists of a license plate frame you place on your vehicle around the license plate. This unit is designed to avoid permanent installation and is very easy to install. You follow the instructions stated above except you do not drill holes in the bumper; you simply install this license plate frame around your license plate. Third option is our truck systems. Since many trucks come with steel bumpers that are difficult to drill into, we provide brackets that can be installed at the bottom of the bumper. And you follow the same instructions as above. Please reference our Installation section on our web site for more details.

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### **How much does the parking sensor system cost to install?**

Remember, most people can install these units themselves. Reverse Backing Systems includes everything needed to install these units along with detailed installation instructions. However, if you want the unit to be professionally installed, there are many places that can install these units. Almost any place that sells and installs car stereos can install these units. If you would like, we can find you an installer and schedule the appointment for you! Just order the unit you want online now and then select "find installer".

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### **Do you carry wireless parking sensors?**

Yes! The wireless backup sensor system works great and is very easy to install! You can order you wireless backup sensor online now!

### **How does the backup sensor turn on?**

Due to the power being tapped into the parking light, the unit is only activated when the car is in reverse. Once you place the vehicle in drive, the it is deactivated.

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**How does a parking sensor compare to a camera unit?**

Camera units are GREAT and we recommend that if you can afford them, that this is a GREAT option for you. However, we do not recommend that you only have a camera system. Here is why: Remember, most accidents happen because the driver is not paying attention, and since a camera will NOT warn you audibly if an object is behind the vehicle, it will not be as effective in this situation. The camera is best used with a sensor system to inform the driver what is behind the vehicle after the audible back-up sensor notified the driver that there was an object.

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**What types of back-up detection devices are available?**

We have a full line of backup sensors\_ to meet any need and budget. We are one of the only parking sensor suppliers that have 12+ different models that fit any car, truck, SUV, van, commercial truck, RV and 18 wheeler. Reverse Backing Systems has exclusive products\_ designed for full size pick up trucks, commercial trucks, RV's and 18 wheelers that you can NOT find anywhere else.

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**What is warranty/refund policy for the back up system**

We offer a money back guarantee\_ within 30 days from date of the purchase as long as product has not been installed and is in new condition (minus shipping charges). Reverse Backing Systems offers a 1 year warranty policy from date of purchase by the end user that covers manufacturing defect.

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