



# ST85064 Sentry™ System

## QUICK INSTALLATION GUIDE

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**1 Before You Start**

**Contents:**  
 ST87064 Sensor (6M X 4.5M) (1)  
 Sensor Mounting Hardware (1)  
 Sensor Bracket SD-BK90 (1)  
 A/BK Hardware Kit (1)  
 CD6102 Display (1)  
 Display Mounting Hardware (1)  
 Cable (1)  
 WS610T Cable 30'9.1M (1)  
 (Cable options on back page)

User Manual

**2 Mount Sensor**

Select a location for the sensor approximately 3ft/1M from the ground. Ideally the sensor should be centered on the rear of the vehicle.

**Important!**  
 Before the PreView Sensor is permanently installed to the vehicle, verify the selected location provides a clear detection zone. Temporarily attach the sensor in the proposed location, apply power to the system, and verify nothing is detected.

**Mounting**  
 Using the bracket, scribe position marks through the holes and drill 1/4" (6mm) holes centered at the marks. A 1 1/2" diameter clearance hole is required for the sensor connector and the mating cable. Secure the sensor to the vehicle with the hardware. Apply a maximum of 22 in-lbs to secure the sensor.

**3 Mount Cables**

Routing the cable should start at the sensor. To enter the cab, drill a 1" (24mm) hole and feed the display connector through.

**The sensor mating connector is fully waterproof if mated properly. The connectors with a collar (coupling ring) must be turned to the right until they lock with the mating connector. The connectors with a latch(es) must click (locking mating connectors together). Do not route cable next to heat sources or area that may see abrasion or rock and debris damage.**

**4 Mount Display**

Mount the display in a location that is easily viewed by the driver during vehicle operation. Possible locations for the display is on the dash or by either windshield pillar. Drill Template and hardware supplied.

Not all hardware shown



Detailed Wiring Diagram



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Contact Technical Support with Questions:

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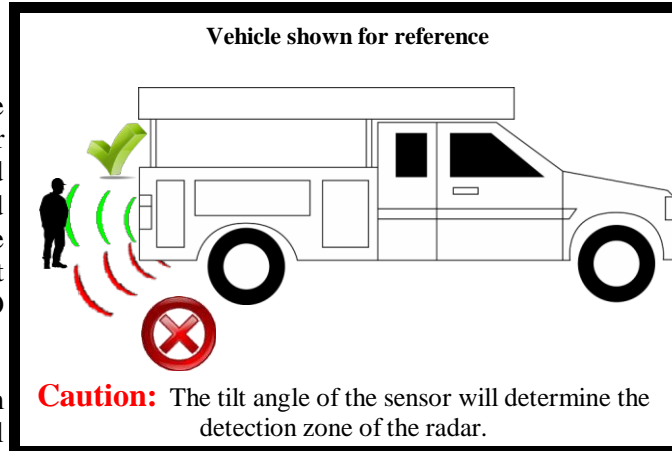


### Initial System Power Up and Test

Once the sensor and display are installed, wired and connected, power should be applied to test system operation. The vehicle must be placed in reverse to power up the system and the green LED will be the only light illuminated (the 3rd yellow LED may flash once). If any of the detection (yellow) LED's are lit and there is no object in the machine's vicinity, check for any objects on the machine which may be detected by the sensor. If possible, move the sensor so it does not detect the object(s). If it is not possible to relocate the sensor contact PRECO Electronics®.

If for some reason the system is malfunctioning, the status LED will turn from green to red, one or all of the yellow LEDs will be illuminated, and the buzzer will emit a short stutter sound. Refer to the Troubleshooting section in the manual to determine the error and potential causes.

Once the system has been installed, the detection zone should be tested. The test should be performed with two people, one who remains in the cab (the operator), and one who walks through the sensor field to the rear of the vehicle (the assistant). The operator engages the parking brake, presses the vehicle brake, and places the vehicle in reverse. The assistant then walks through the detection zone while the operator notes where the display buzzer activates. An accurate detection zone can be mapped by moving about the rear of the vehicle and noting when the



The PreView® system is a blind spot collision warning system designed to supplement other safety practices and/or devices. The machine operator is always the first line of defense when safely operating a vehicle.

### TESTING / MAINTENANCE

Test the PreView® Radar System every day for functionality and performance prior to vehicle operation, refer to the sensor manual.

**Cable Options:**  
 WS610T - 30'/9.1M  
 WS6145T - 45'/13.7M  
 WS6160T - 60'/18.3M

Allow a small service loop in the cables at the display or sensor and secure the cables every few feet (~1M) with tie wraps.

