

WorkSight® for Waste w/VL ZC

QUICK INSTALLATION GUIDE



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PRECO
ELECTRONICS

1 Before You Start

Contents for VWSW6020FZC

WS6220 Sensor (1)

Sensor Mounting Hardware: 4 each (shown on back)

1 1/4" x 10-24 Bolts, Locking Hex Nuts, and Flat Washers

Sensor Drill Template

WSZ-BK90 Sensor Bracket (1) (shown on back)

PVL4000BZ VideoLink (1)

VideoLink Mounting Hardware: 2 each (shown on back)

1/4-20 x 1 1/2" Cap Screws, 1/4" x 1 1/2" Screw, Flat Washers, and 1/4-20 Nylock Nuts

PVL410B Buzzer Kit (1) (shown on back)

24V Buzzer, Red and Black Wire, Terminals, and Install Guide

WS-FLBH75 Body Cable 75'/22.9M (1)

PVL61WSW Cab Adapter Cable 16'/4.9M (1)

PVL41ZC Monitor Adapter/ Cable 59'/1500mm (1)

Mounting template and User Manuals (2)

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. The sensor face should be perpendicular to the ground with the 'PreView' graphic as shown in the install diagram.

Important!

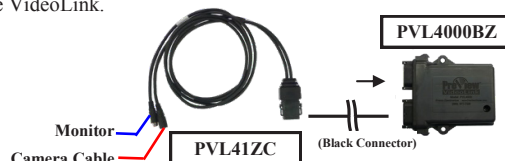
Before the PreView Sensor is permanently installed to the vehicle, verify the selected location provides a clear detection zone. Temporarily attach the sensor in the proposed location, apply power to the system, and verify nothing is detected.

Mounting

The sensor may be mounted directly on the vehicle, or attached using the supplied bracket. If the bracket is not used, mount the sensor on the vehicle using the drill template. 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. Use the supplied hardware kit to secure the sensor to the vehicle. Apply a maximum of 22 in-lbs to secure the sensor.

3 Mount / Install VideoLink

Select a location in the cab to mount the VideoLink between the camera system cable and the monitor (should be mounted so the audible can be heard clearly). The PVL410B Buzzer Kit is supplied and may be installed if a louder audible alert is desired. Disconnect the existing camera system cable from the monitor and connect the PVL41ZC adapter between the camera cable and the monitor. Plug the Deutsch connector into the VideoLink.

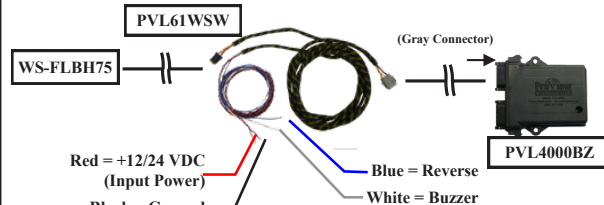


4 Install Cables

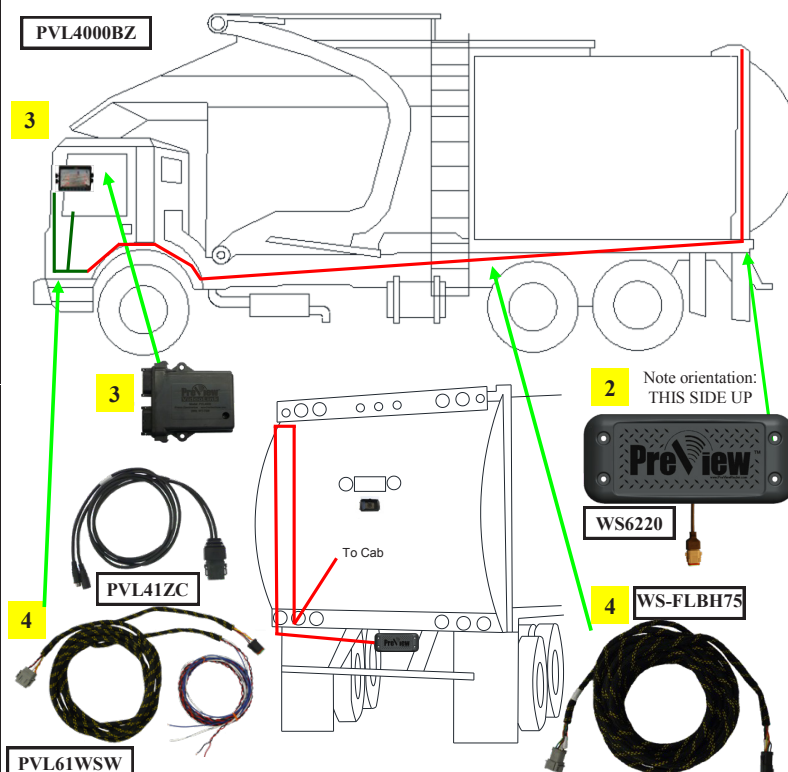
Route the WS-FLBH75 body cable starting from the sensor end to the cab. Allow a small service loop in the cable at the sensor and secure the cable every few feet (~1M) with tie wraps. Feed the display connector into the cab and connect to the PVL61WSW cable.

Critical Note!

The sensor mating connector is fully waterproof if mated properly. **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. Bundle and store any excess cable.



Connect Red, Black, Blue, and (White if needed) wires as shown above



The quick install guide is only a supplement to the product manuals. Please read all of the manuals for complete information and instructions before installing the product.



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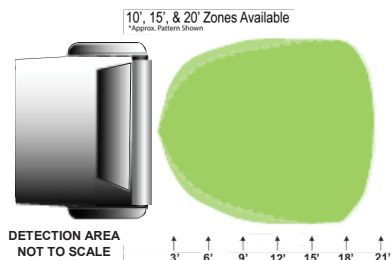
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Initial System Power Up and Test

Once the Sensor and VideoLink are installed, wired and connected, power should be applied to test correct system operation. The vehicle must be placed in reverse to power up the system, the Monitor displays the camera view and the overlay indicates Power up (as shown). If any of the indicators are visible, check for any objects 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, IncTM.

If the Overlay displays an 'X' - No Communication (as shown below), there is a communication error between the VideoLink and the Sensor. Refer to the 'Troubleshooting' section in the VideoLink 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 the indicators on the overlay and hears an audible tone (buzzer). As the assistant moves closer to the vehicle, more indicators appear and the audible tone rate has increased. An accurate detection zone can be mapped by moving about the rear of the vehicle and noting changes to the image as well as the audible tone. Audible tone source is from the VideoLink and / or optional buzzer kit.



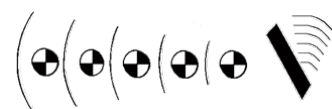
APPROXIMATE
PATTERN SHOWN



Overlay—First Detection + audible tone, Maximum Distance in Zone



Overlay—Power up, no detection



Overlay indicator, increased indicators for close in detection



Overlay—'X' No Communication

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.

Mounting Hardware / Optional Accessories

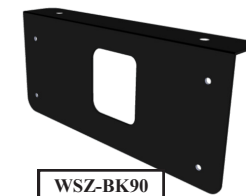
Sensor Hardware



VideoLink Hardware



PVL410B



WSZ-BK90

