

Xtreme PreView® (Rear) w/PVP

QUICK INSTALLATION GUIDE



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PRECO
ELECTRONICS

1 Before You Start

Contents:

- XPV42XXA-6 Sensor (1)
- Sensor Hardware: (4) each .25" ID Flat Washers, 1/4-20 x 1 1/2" Cap Screw, 1/4-20 Nylock Nuts
- Cables (4)
 - XPV41CA Cable (1), XPV41PA Cable 1'/0.3M (1)
 - XPV41RA Cable 1'/0.3M (1)
 - XPV4132 32.8'/10.0M (1)
- PVP710-6 Monitor (1)
- CPK732 Camera / Cable
 - CPC700 Camera and DDC023C cable (1 each)
 - Mounting Hardware, (2) Monitor brackets, (1) Camera bracket, (4) Trigger Wires, Power Adapter, and sun shield (not shown)
- User Manuals

XX in the Model Number represents detection range: 20', 26', or 32' available

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 oriented as shown below.

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 to a bracket. Contact Preco Electronics, Inc.™ for a bracket if necessary. 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. Secure the sensor to the vehicle with the supplied hardware. Apply a maximum of 50 in-lbs to secure the sensor.



Note orientation:
THIS SIDE UP

3 Install Cables

Routing the body harness and camera cables should start at the rear of the vehicle and end in the cab. Allow a small service loop in the cables at the camera and sensor, secure the cables every few feet (~1M) with tie wraps. To enter the cab, drill a 1 1/2" (38mm) hole and feed the connector through to connect to the cab adapter. See wiring diagram on the back page for more details. Route the remaining length of cable to the Monitor.

Connect the Reverse Adapter cable to the body harness and the red wire to reverse. Connect the Power Adapter to the Cab Adapter and the red and black wires to ignition and ground.

Important!

The sensor mating connector is fully waterproof if mated properly. Latch(es) on mating connector must click (locking 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.

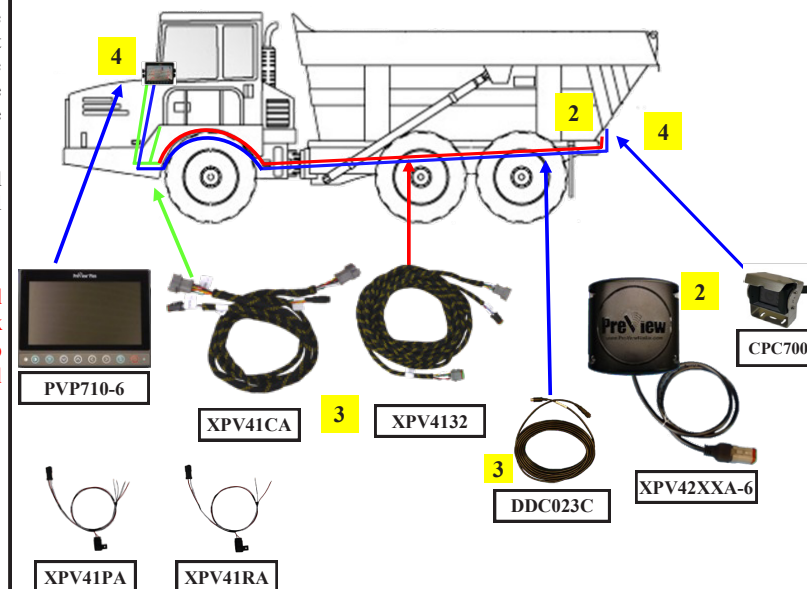
XPV4132	XPV41CA	XPV41PA	XPV41RA
BODY HARNESS	CAB ADAPTER	POWER ADAPTER	REVERSE ADAPTER

4 Mount Monitor and Camera

Mount the monitor in a location easily viewed by the driver. Use supplied hardware. Wiring detailed on the back of this document.

Mount the camera on the rear of the vehicle to achieve the best possible view of the area. Use the supplied hardware.

Vehicle shown for reference



Wire Connections
Wiring Diagram



Back Page

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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Initial System Power Up and Test

Once the sensor and camera system are installed, wired and connected, power should be applied to test system operation. The monitor should power up and display the camera view. The vehicle must be placed in reverse to power up the sensor. Any detection will be indicated on the monitor. If there is a detection 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, Inc.

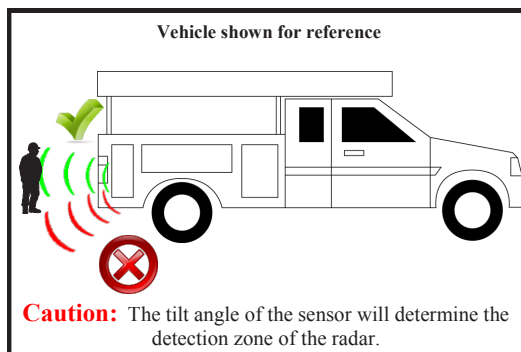
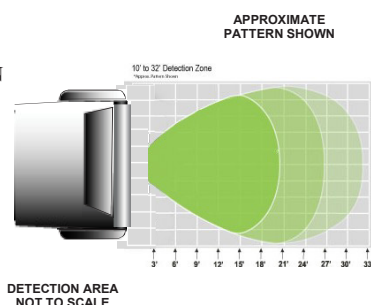
If for some reason the system is malfunctioning, the  will change to a yellow triangle indicating a failure. Refer to the Troubleshooting section in the monitor manual to determine the error and potential causes.

Once the system has been installed and verified, 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 monitor displays a detection. An accurate detection zone can be mapped by moving about the rear of the vehicle and noting when the monitor displays a detection.

MONITOR OVERLAY GRAPHICS

-  SENSOR POWER / NO DETECTION
-  NO SENSOR COMMUNICATION
-  DETECTING OBJECTS

Reference Monitor Manual
for additional information



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.

