



PreView® WorkSight® for Waste Rear Loader System Components and Description

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Model No. **Description**

WS6020R Sensor Assembly, Radar sensor for detection, mounted to the rear of the vehicle.

WSZ-ASB Sensor Mounting Bracket, Bracket with 105 degree adjustable angle used for mounting Sensor Assembly.

WSW-BKR Sensor Guard Bracket, Bracket is necessary to prevent any damage from occurring to the sensor when the rear loader is loading dumpsters and or utilizing the cable.

WSW6102 Display Assembly – Operator interface mounted in the vehicle cab.

WS-RLBH Body Harness – Cable connecting between the rear Sensor and the cab harness.

WS-CH Cab Harness – Cable connecting to power source and between the body harness and the Display Assembly for Rear Load haulers.

Model No. **Description**

Additional Components not shown here:

SPV-BKD Display Mounting Bracket – Bracket used to mount the Display Assembly in vehicle cab.

Display Mounting Hardware – Hardware used in mounting the Display Assembly in the vehicle cab.

Sensor Mounting Hardware – Hardware used in mounting the Sensor Assemblies.

User Manual – System Operating Manual.

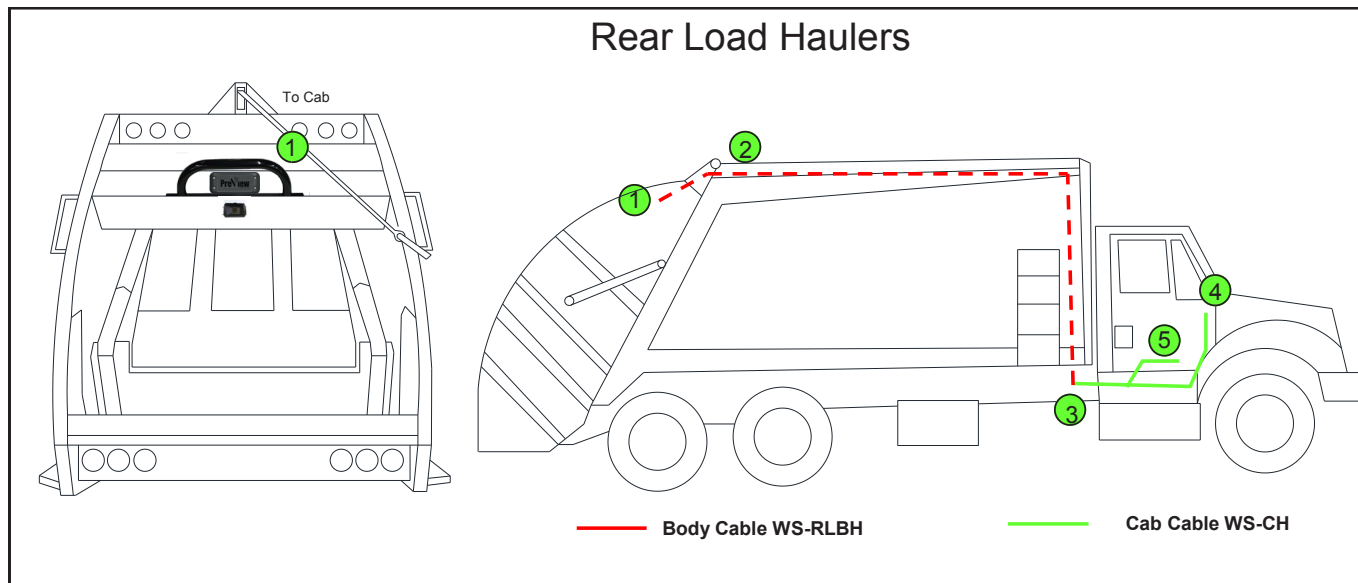




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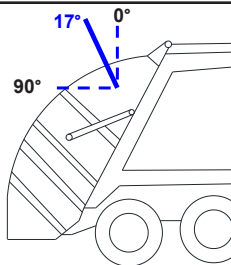
Connect the PreView® Harness



- ① Connect the PreView sensor to the body cable (WS-RLBH).
- ② Route cable through channels following existing wiring along path shown.
- ③ Continue from this location with the cab cable (WS-CH) to PreView display and power source.
- ④ In the cab, mount and connect the PreView display (WSW6102).
- ⑤ Lastly, connect the red wire to power (+) and the black wire to ground. Recommended power connection to reverse circuit allowing system to operate only in reverse mode.

Verify the system is operational by viewing the PreView display.

Either bolt or weld the included brackets toward the center of the truck.



Rear Load Haulers typically require mounting of the PreView Sensor with a bracket as shown. Mount the sensor toward the center on the top of the truck using the adjustable bracket. As a starting point, angle the sensor down approximately 17° from vertical. Adjustments to this angle may be made to optimize the detection zone. A Sensor Guard bracket is necessary to prevent any damage to the sensor when the rear loader is loading dumpsters and or utilizing the cable.





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Display Mounting Location—Inside operator cab, typically either on the dashboard or A-Pillar.

Line of Sight – Display should be mounted in a location where it will be seen through the operators peripheral vision when scanning the left and right mirrors during normal backing operations.

Audible Alert – Display provides both visual LED notification and audible “beep” when an object is detected. Ensure the mounting location will allow the audible alert emitted from the top of the display to be heard by the vehicle operator.

Additional Consideration – When using the PreView System in conjunction with a camera system it is best to mount the PreView Display next to the camera monitor. The audible alert will typically direct the operator to look at the rear view presented on the monitor, allowing a peripheral view of the PreView display as well.



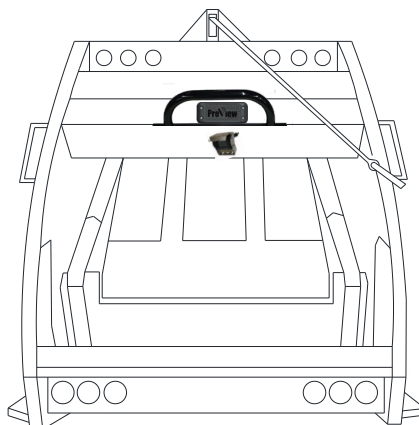


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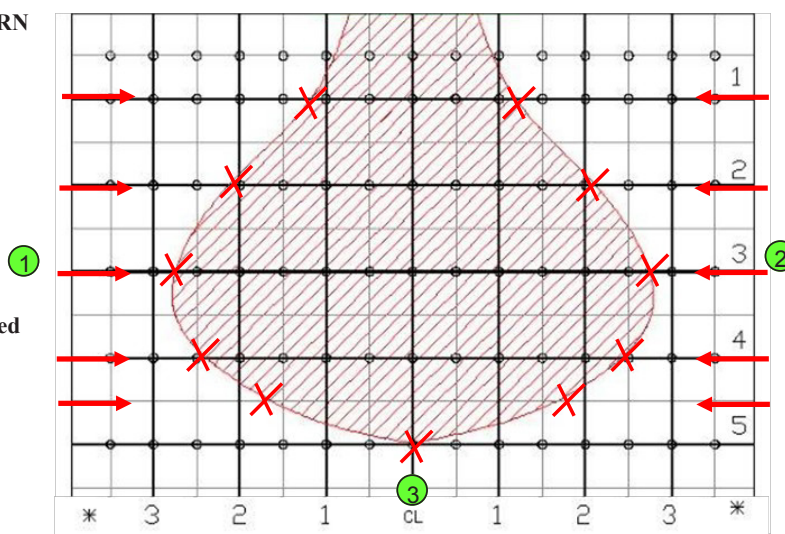
APPROXIMATE PATTERN



Before testing the system, make sure the sensors have a clear field of view. This is most important when testing indoors because the system may detect walls, posts, etc.

With the parking brake applied, power up the PreView system by turning the vehicles ignition to "on" and placing the transmission in reverse gear. **(DO NOT START THE ENGINE UNLESS NECESSARY TO ENGAGE REVERSE GEAR)**

Verify the green LED on the display is illuminated and the system indicates NO objects are detected. (All detection LED's are off).



* Dimensions measured
in Meters

- ① Have an assistant test the detection area of a target by walking in the direction of the arrows in approximately 1 meter increments, starting from direction 1, then 2, and finally 3. Place a traffic cone or some other highly visible marker at the first point of detection as indicated on the monitor in the cab for each arrow direction. Repeat as necessary to confirm accurate target detection.
- ②
- ③
- ④ Final detection zone should look similar to the one shown here.

