

# HawkEye<sup>Plus</sup> Reverse Assistance System

## Features

- Audible and visual warning when vehicle comes within 7.0 feet of an object
- LED display provides distance in feet or meters and indicates if an object is on the left or right side
- System automatically activates when the vehicle is shifted into reverse
- 4 in-bumper sensors provide maximum coverage across the width of the vehicle with 2 optional sensors for high point detection
- Reversible LED display, can be mounted on the dash or ceiling
- “Plug & Play” connection from the bumper to the chassis
- For steel, plastic and Romeo Rim Energy absorbing bumpers
- Passes the Romeo RIM Help Bumper® 5 mph repeatable crash test
- Sensors can be painted to match surface

*Also known as HELPGARD<sup>Plus</sup>  
by Romeo Rim*

## Ultrasonic back-up warning system mounted in the rear bumper



*Dash mounted LED Panel*

The HawkEye<sup>Plus</sup> Reverse Assistance System helps drivers avoid accidents, when the vehicle is in reverse, by automatically detecting objects behind the vehicle. An audible alarm along with a digital read-out alerts the driver that an object is in the vehicle's path and which side of the vehicle the object is on.



*Romeo Rim Bumper with mounted sensors*

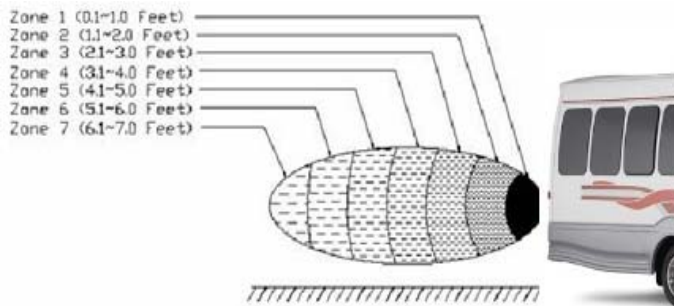


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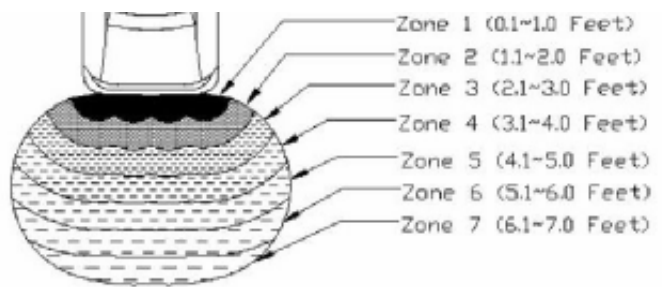
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Detection Zones (side view)



Detection Zones (top view)

## How It Works

The system is automatically activated when the control module receives a signal from the back-up lights. Ultrasonic sensors cast a 160 degree horizontal arc providing maximum coverage along the rear and to the corners of vehicle. When the sensors detect an object (range starts at approx 7.0 feet), an alarm is provided by the LED Display Panel mounted by the rear view mirror. The Display Panel also provides the distance, in feet, to the object and indicates which side of the vehicle the object is on.

## Safe, Simple and Reliable

The HawkEye<sup>Plus</sup> Reverse Assistance System is safe, simple and reliable. The system's high reliability is due, in part, to the use of OEM connectors at the vehicle interfaces and an innovative use of ultrasonic detection technology. When HawkEye<sup>Plus</sup> RAS is integrated into the Romeo Rim energy absorbing bumper, the system maintains its outstanding performance and durability after enduring a 5 mph crash.

## Easy Installation

Manufacturers and installation shops always want a system that's easy to install. The HawkEye<sup>Plus</sup> sensors are simple to install and are connected with "plug & play" connectors. The control assemble and LED display installation also use simplified "plug & play" harness connectors.

## Caution!

This system is not designed to prevent contact with small or moving objects. This system is designed to provide a warning to assist the driver in detecting large stationary objects when moving in reverse at "parking speeds" of approximately 4 mph. The reverse assistant system may have reduced performance or be activated in inclement weather.

To help avoid personal injury, always use caution when in reverse and when using the Reverse Assistance System.

## Warranty

InterMotive's HawkEye<sup>Plus</sup> Reverse Assistance System will not void any existing manufacturers warranty. Please contact your dealer or InterMotive for specific coverage details on this specific product.

*InterMotive, Inc. provides high quality products combined with excellent customer service and technical support. Each of InterMotive's products are American-made using only the highest quality components.*



Backside of bumper with sensor & harness



Sensor

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