

# Owner's/Installation Manual



## Rearview Camera Parking Sensor

**Models: C-PS1**

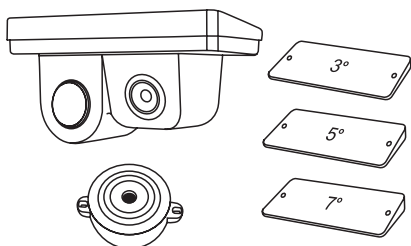
## Introduction

Congratulations on your purchase of a quality MobileVision Rearview Camera / Parking Sensor. This has been designed to provide you with a product that is technologically superior and provide years of trouble free operation.

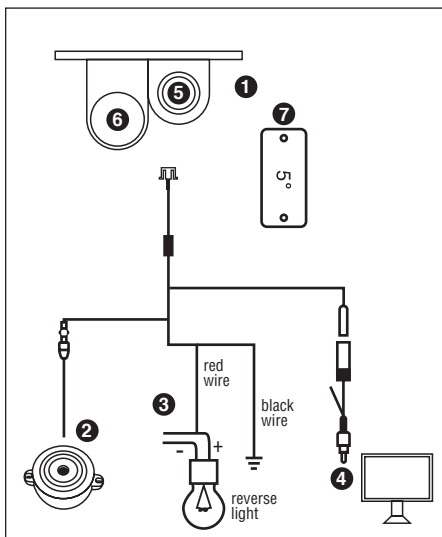
The information enclosed provides a quick reference of the operations and maintenance of your new Rearview Camera / Parking Sensor.

This product must be installed and used in accordance with this manual. Any alterations to this product that enables it to be used in any way other than intended or designed could distract the driver and result in an accident causing injury or death. Magnadyne Corporation disclaims any and all liability that may result from failure to install and operate in any other manner in which this was intended.

## Wiring and Mounting

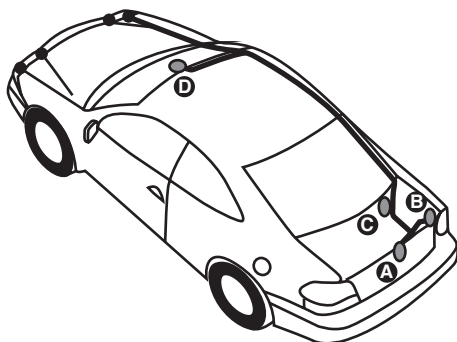


1. Main unit: 67.8 x 30 x 31.3mm
2. Buzzer: 58 x 42 x 17mm
3. Connect cable for voltage supply
  - Red (+) from reverse light
  - Black (-) GND
4. Output RCA connector with 12 volt power for monitor
5. Camera lens
6. Ultrasonic sensor
7. Angle adjustment mounting pads



## Installation

- A. Install the main unit above the rear license plate to a clean, grease-free surface.
- B. Route the connection cables of the ultrasound sensors and camera into the passenger area of the vehicle. Connect the power supply red wire to the reverse light and the black wire to the GND. Take care to seal any holes to prevent moisture from penetrating into the vehicle. When installing the cables in the vehicle, make sure that you do not damage any safety-relevant equipment (e.g. side air bags).
- C. Install the buzzer into the car trunk.
- D. Connect camera video output to a monitor of your choice.



## Initial Operation

The Rearview Camera / Parking Sensor system turns on automatically when the reverse gear is engaged. The parking sensor beeper will emit an acknowledgement beep for approximately 1 second to confirm system is working. The image from Rearview Camera will be displayed on the monitor.

Test the system prior to first use to familiarise yourself with the displays and signals. Ask a second person to simulate the “obstacle” behind your car varying their distance so that you can become familiar with the on screen digital distance display and increasing or decreasing intensity of the warning beep. (large distance = slow beep, smaller distance = faster beep until it sounds continuously). The following ranges must be observed:

Safe range from 6.0ft - 3.0ft, Warning range from 3.0ft - 2.5ft, Dangerous range from 2.0ft - 1.0ft  
If the alarm is erratic, it is possible the sensors are detecting the ground and you should change the angle of the supplied compensation pad.

## Display

Color OSD with digital parking line



### Alarm Mode

Distance	Safe Zone	Alarm Sound	OSD Parking Line
>6.0ft	Safe	No sound	Green digit and parking line
6.0 - 5.5ft	Safe	No sound	Green digit and parking line
5.0 - 4.0ft	Alarm	BI--BI--BI	Green digit and parking line
3.0 - 2.5ft	Alarm	BI--BI--	Yellow digit and parking line
2.0ft	Danger	BI-BI	Red digit and parking line
1.5 - 1.0ft	Danger	BIBIBI	Red digit and parking line
<1.0ft	Danger	BI-----	Red STOP

## Troubleshooting

Error	Possible Cause	Solution
The parking aid does not switch on	Reverse gear is not engaged	Engage the reverse gear
	No ignition voltage	Switch the ignition on
	Incorrect wiring. The fuse is defective	Check the plug connections and the flat fuse feeding the voltage supply
	The lateral slider is in the “OFF” position	Switch the slider to “ON, Lo or Hi”
The display shows incorrect distance values and activates erratically	Program error	Disengage the reverse gear and engage it again (reset)
	The sensors are very dirty	Clean the sensors regularly

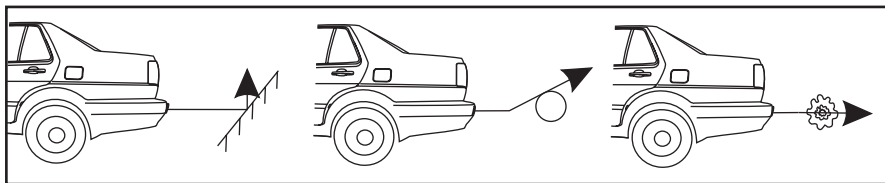
**Repairs other than those described should only be carried out by qualified personnel.**

## Specifications

Rated Voltage:	12V DC
Operating Range:	10.5V~16V DC
Rated Current:	60mA
Detecting Distance:	6.0ft - 1.0ft
Ultrasonic Frequency:	40KHz
Image sensor:	CMOS
Total pixels:	640 x 480
Resolution:	480 TV lines
Min. illumination:	0.1 lux
Video system:	PAL/NTSC
Camera Viewing Angle:	170 degree
Video output:	1.0Vpp composite video at 75 ohms
Operating temperature:	-20 - 70 deg. C

## Warning

In certain situations, the ultrasound measuring principle can be unreliable. This may be the case on slight slopes, or when reversing towards soft objects, which absorb ultrasound waves.



## Warranty

### ONE (1) YEAR LIMITED WARRANTY

Magnadyne Corporation or its authorized agents will within one year from the date of sale to you, repair, replace or refund the retail sales price of said product or any part thereof, at the option of the Magnadyne Corporation or its authorized agents, if said product or part is found defective in materials or workmanship, when properly connected and operating on the correct power requirements designated for the specific product. This warranty and Magnadyne Corporation or its authorized agent's obligations hereunder do not apply where the product was; damaged while in the possession of the consumer, subjected to unreasonable or unintended use, not reasonably maintained, utilized in commercial or industrial operations, or serviced by anyone other than Magnadyne Corporation or its authorized agents, or where the warning seal on the product is broken or the power and/or plugs are detached from the unit. Magnadyne Corporation or any of its authorized agents will not assume any labor costs for the removal and reinstallation of any product found to be defective, or the cost of transportation to Magnadyne Corporation or its authorized agents. Such cost are the sole responsibility of the purchaser.

This warranty does not cover the cabinet appearance items or accessories used in connection with this product, or any damage to recording or recording tape, or any damage to the products resulting from improper installation, alteration, accident, misuse, abuse or acts of nature.

MAGNADYNE CORPORATION OR ITS AUTHORIZED AGENTS SHALL NOT BE LIABLE TO ANYONE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OR CLAIMS EXCEPT THOSE ACCORDED BY LAW. NO EXPRESSED WARRANTY OR IMPLIED WARRANTY IS GIVEN EXCEPT THOSE SET FORTH HEREIN. NO IMPLIED WARRANTY SHALL EXTEND BEYOND ONE YEAR FROM THE DATE OF SALE.

This warranty extends only to the original purchaser of the product and is not transferable. Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusion may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

**"NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the User's authority to operate the equipment."**

Defective merchandise should be returned to the original point of purchase or secondly, to Magnadyne Corporation, 1111 W. Victoria Street, Compton CA 90220.  
Return Authorization must be obtained before sending, or merchandise may be refused.