



# EPS-4000-T PARK DISTANCE CONTROL (PDC) REVERSE SENSOR FITMENT MANUAL

1-4-2010  
REV 03

## CONFIDENTIAL

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# EPS-4000-T INTRODUCTION

## Introduction

The EPS4000T utilizes the most advanced ultrasonic asymmetrical sensing technology. The sensor has ultra wide detection capabilities that senses an extra wide angle of 150 degrees horizontally and 60 degrees vertically. This technology increases the detection angle up to 100% compared with other conventional systems. The micro sized sensors are designed to blend into all cars with it's small size and adaptability to curved bumpers.

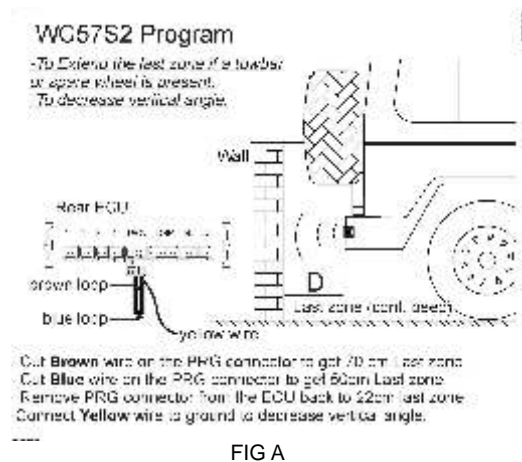
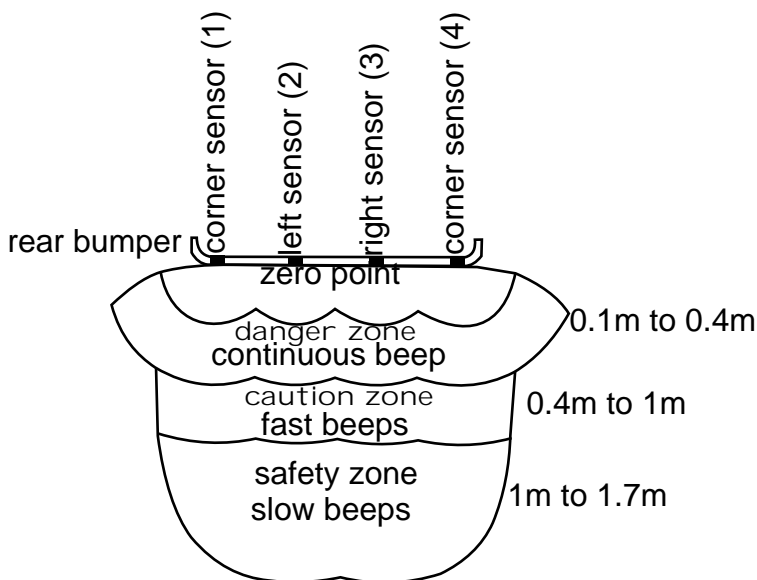
## Parts Supplied

- \* Control unit
- \* Buzzer unit
- \* Power cable harness
- \* 4 sensor units (MARKED WITH NUMBERS 1 TO 4)
- \* OPTIONAL DISPLAY AND PROGRAMMER

### IMPORTANT NOTE :

1. The EPS-4000T can be fitted with all 4 sensors or as a 2 sensor system. If you have a bumper that only requires 2 sensors, use the sensor slots marked 2 and 3 for the fitment
2. The unit has a factory default zero point of 0.1m. If the vehicle has a towbar or rear carrier, modify the PRG connector as shown in fig A (also supplied in box)

## SENSING ZONE DETAILS



### IMPORTANT (SPECIAL NOTE TO OWNER)

- \* This device is designed to aid drivers when reversing and during reverse parking. It should not be considered as a safety device for any other purpose. proper driving technique and the use of mirrors are always essential.
- \* The manufacturer, distributor and dealer shall not be held liable for any unforeseen accident.
- \* Detection of human beings and animals are not advisable.

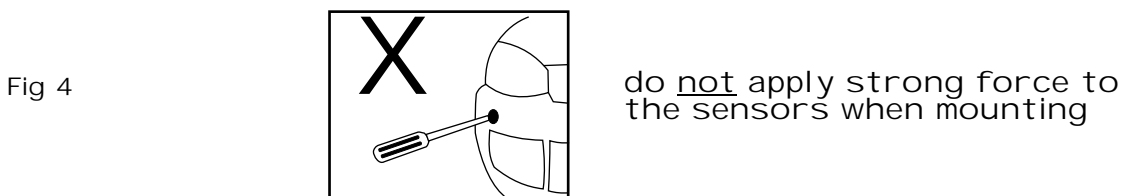
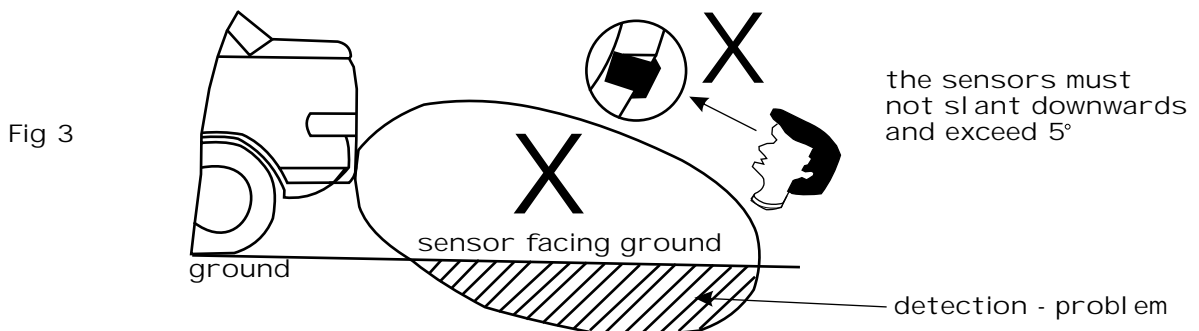
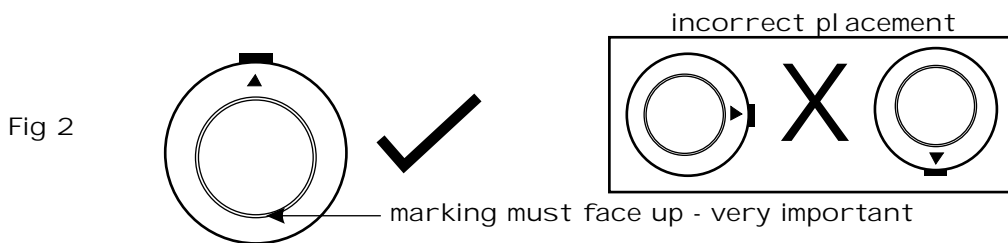
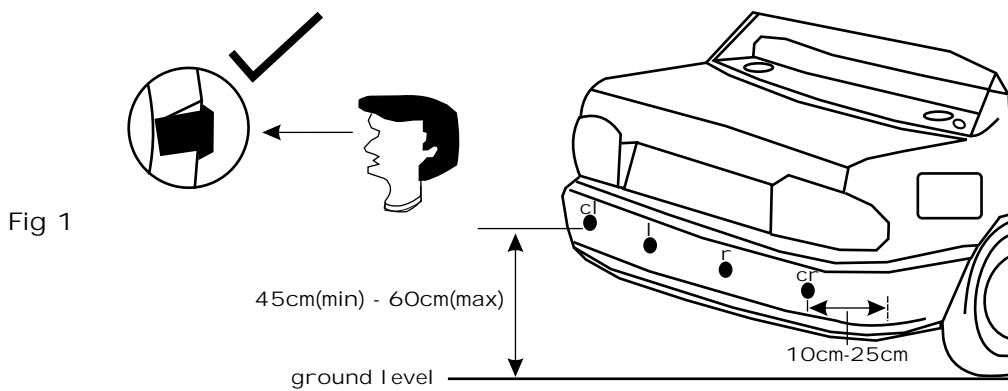
# EPS-4000-T SENSOR DETAILS

## IMPORTANT - PLEASE READ THE POINTS BELOW

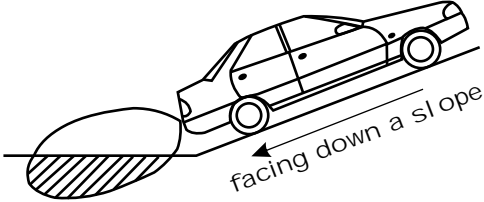
### BEFORE MOUNTING THE SENSORS

#### SENSOR MOUNTING DETAILS

1. The 4 sensors must be mounted 45cm(min) - 60cm(max) from ground (see fig 1).
2. The 2 corner sensors (1 & 4) must be mounted 10cm(min) - 25cm(max) from each corner (see fig 1).
3. Make sure that the sensors are evenly spaced.
4. The sensors must be placed with the arrow facing up (see fig 2).
6. The sensors must not slant downwards (see fig 3).
7. You must connect all 4 sensors, in order for the system to work properly.
8. Do not apply strong force to the sensors when mounting (see fig 4).



# EPS-4000-T TROUBLESHOOTING

symptom	possible causes	checking procedure / solution
A. No beep sound when the reverse gear is engaged.	1. No power supply.	i) ensure the red (+) and black (-) wires are properly connected. ii) ensure the power cable socket is properly inserted on the control unit (B+). iii) ensure power cable is in good condition.
	2. Buzzer faulty.	i) ensure that the buzzer cable socket is properly seated on the control unit header. ii) ensure display cable is in good condition. iii) if i) & ii) can't solve the problem, verify with new buzzer.
B. False alarm/buzzer beeping without any object/s behind.  USE THE DISPLAY TO VIEW WHICH SENSOR IS FAULTY	1. Sensor wrong orientation. (Sensors are detecting the ground).	i) ensure the sensors are installed at the correct orientation.
	2. Sensor's facing more than 5° to the ground.	i) ensure the bumper surface is not more than 5° facing the ground.
	3. Sensor mounting position too low (below 45cm).	i) ensure the sensor mounting height from the ground is more than 45cm.
	4. Car is facing down a slope.	
C. Sensor malfunction warning indication/sound.	1. Either one or all sensors is/are disconnected from the control unit.	i) ensure the sensors cable sockets are properly seated on the control unit.
	2. Either one or all sensors is/all faulty.	i) verify with new sensor/s.
	3. Control unit faulty.	i) verify with new control unit.

WORKING VOLTAGE	10 - 28VDC
RATED VOLTAGE	12V
MAX CURRENT	300mA (WITH DISPLAY)
WORKING TEMP	-35C - 80C