

INTRODUCTION:

THANK YOU FOR CHOOSING THE VECTOR® LCD ELECTRONIC COMPASS – A VALUABLE NAVIGATIONAL AID THAT USES STATE-OF-THE-ART, PATENTED, MAGNETIC SENSOR TECHNOLOGY TO PROVIDE CONSISTENTLY ACCURATE AND RELIABLE DIRECTIONAL HEADINGS IN ALL OF THE THREE FOLLOWING FORMATS:

- THE EIGHT CARDINAL POINTS (NORTH, NORTHEAST, EAST, ETC.) USING STANDARD ABBREVIATIONS (N, NE, E, ETC.).
- NUMERIC DIGITS (I.E. 15°).
- DIRECTION-POINTING COMPASS ARROW FOR EASY, ACCURATE MAP ORIENTATION.

FEATURES:

- EASY TO READ, EASY TO OPERATE.
- EXTENDED ELECTRO-LUMINESCENT BACKLIGHT FOR USE IN LOW LIGHT OR DARKNESS.
- VALUABLE NAVIGATIONAL AID AND SAFETY DEVICE FOR TRAVELERS.
- LCD (LIQUID CRYSTAL DISPLAY) 8-POINT READOUT SHOWS HEADING AS A CARDINAL POINT (N, NW, S, ETC.), AND NUMERIC DIGITS (I.E.: 15°), PLUS A DIRECTIONAL COMPASS.
- SAME TECHNOLOGY AS USED BY THE MILITARY, WITH ACCURACY OF 1.5° AND RESOLUTION OF 5°.
- EASY TO READ, EASY TO OPERATE, SIMPLE STEP-BY-STEP-INSTRUCTIONS INCLUDED.
- PUSH-BUTTON OPERATION, SIMPLE CALIBRATION.
- CAN BE CALIBRATED TO CORRECT FOR MAGNETIC DEVIATIONS IN VEHICLE.
- QUICK, EASY DASHBOARD INSTALLATION.
- INCLUDES ADHESIVE MOUNTING KIT FOR EASY, FLEXIBLE APPLICATION.
- OPERATING TEMPERATURE RANGE OF 14°F - 140°F.
- RUNS ON THREE (3) AAA 1.5-VOLT ALKALINE BATTERIES (INCLUDED).
- ON/OFF SWITCH TO PROLONG BATTERY LIFE.

INSTALLATION:

NOTE: A CLEAR PLASTIC STRIP IS USED TO PROTECT THE ALKALINE BATTERIES DURING SHIPPING. PULL AND DISCARD THE PLASTIC STRIP FROM THE BATTERY COMPARTMENT, BEFORE USING THE COMPASS.

THE VECTOR® LCD ELECTRONIC COMPASS IS DESIGNED TO BE MOUNTED ON THE WINDSHIELD OR DASHBOARD OF ANY VEHICLE. IN CHOOSING A LOCATION FOR THE COMPASS:

- MAKE SURE THAT THE COMPASS WILL NOT BLOCK YOUR VIEW OF THE ROAD.
- POSITION THE COMPASS IN A LEVEL SPOT - THE LEVELNESS OF THE COMPASS CAN BE DETERMINED BY THE HORIZONTAL LINE ON THE SIDES OF THE COMPASS. MAKE SURE THAT THE COMPASS IS POSITIONED AT LEAST 5" AWAY FROM ANY STEREO SPEAKERS OR OTHER EQUIPMENT WITH A STRONG MAGNETIC FIELD.
- VECTOR® RECOMMENDS PLACING THE UNIT ON THE DASHBOARD, WHERE IT WILL BE EASY TO REACH AND READ, WITHOUT BEING DISTRACTING.

MOUNTING:

1. CLEAN AND DRY THE AREA WHERE THE COMPASS WILL BE MOUNTED.
2. PEEL THE BACKING FROM ONE SIDE OF THE ADHESIVE MOUNTING TAPE. ATTACH THE EXPOSED ADHESIVE SIDE TO THE BOTTOM OF THE COMPASS, ENSURING THAT THE TAPE DOES NOT INTERFERE WITH ACCESS TO THE DOOR OF THE BATTERY COMPARTMENT.
3. PRESS FIRMLY TO ENSURE GOOD ADHESION.
4. PEEL THE BACKING FROM THE OTHER SIDE OF THE MOUNTING TAPE, AND CAREFULLY POSITION THE EXPOSED ADHESIVE TAPE ON THE DASHBOARD OR WINDSHIELD, SO THAT THE DISPLAY SCREEN OF THE COMPASS IS VISIBLE FROM THE DRIVER'S SEAT.
5. TILT THE COMPASS FOR OPTIMUM VISIBILITY OF THE DISPLAY SCREEN.
6. ENSURE THAT THE UNIT IS MOUNTED SECURELY.

CALIBRATION:

THE VECTOR® LCD ELECTRONIC COMPASS WILL AUTOMATICALLY CORRECT FOR THE MAGNETIC FIELD IN THE VEHICLE IT IS INSTALLED IN. THE SIMPLE CALIBRATION PROCEDURE SHOULD BE PERFORMED:

- AFTER INSTALLATION AND BEFORE FIRST-TIME USE.
- IF THE UNIT IS MOVED TO A NEW POSITION IN THE VEHICLE.
- IF THE UNIT IS MOVED TO A DIFFERENT VEHICLE.
- WHEN BATTERIES ARE REMOVED OR REPLACED.
- WHEN THE "CAL" SYMBOL IS CONTINUOUSLY DISPLAYED.

CALIBRATION PROCEDURE:

1. MOUNT THE VECTOR® LCD ELECTRONIC COMPASS AS DIRECTED.
2. FIND A LOCATION WHERE IT WILL BE SAFE TO MAKE A U-TURN AND WHERE YOU CAN REMAIN AT LEAST FIVE (5) FEET AWAY FROM OTHER VEHICLES AND OTHER LARGE METAL OBJECTS.
3. PERFORM THE CALIBRATION ON AS LEVEL A LOCATION AS POSSIBLE. AVOID HEAVY-TRAFFIC AREAS AND LOCATIONS WHERE IT MAY BE DANGEROUS OR ILLEGAL TO MAKE A U-TURN. NOTE: VECTOR® RECOMMENDS AN EMPTY PARKING LOT AS THE IDEAL PLACE TO PERFORM CALIBRATION PROCEDURE.
4. PRESS THE ON/OFF BUTTON TO TURN THE VECTOR® LCD ELECTRONIC COMPASS ON.
5. PRESS AND HOLD THE "START" (CALIBRATE) BUTTON FOR THREE (3) SECONDS UNTIL YOU SEE THE WORD "CAL" AND LINES FORMING ON THE SCREEN.
6. CHECK FOR PEDESTRIANS AND OTHER VEHICLES FIRST, THEN MAKE A 180° TURN SO THAT YOUR VEHICLE IS FACING IN THE OPPOSITE DIRECTION FROM WHERE YOU STARTED. UNIT WILL "LOCK-IN" AFTER 5-15 SECONDS.

3 YEAR EXTENDED WARRANTY REGISTRATION FORM

Certain Vector Manufacturing, Ltd. products are eligible to be covered to the original purchaser only, for three (3) years from the date of purchase, to be free of defects in materials or workmanship. Vector Manufacturing, Ltd. disclaims any liability for consequential damages. In no event will Vector Manufacturing, Ltd. be responsible for any amount of damages beyond the amount paid for the product at retail. In the event of a defective item, please ship the item to us, prepaid, with an explanation of the problem, your name, address and daytime telephone number. Vector Manufacturing, Ltd. will, at its option, replace or repair the defective part.

The following situations are not covered under this warranty:

- ✓ Cost of shipment to Vector Manufacturing, Ltd.
- ✓ Normal wear and tear, including chips, scratches, abrasions, discoloration or fading due to usage or exposure to sunlight.
- ✓ Damage caused by misuse, abuse, neglect, alterations, repairs by unauthorized persons, or failure to follow recommended care and use instructions.
- ✓ Bulbs, fuses and batteries.

[] Please activate my Extended Warranty for Model #VEC-243.

Name _____
 Street Address _____
 City _____
 State _____
 Zip Code _____
 Phone _____
 Fax _____
 E-mail _____

Item Purchased _____
 Date of Purchase _____
 Store Where Purchased _____
 UPC Number from package (12 digits) _____
 Form of Payment (US\$12.00) [] Check [] Money Order

All Vector Manufacturing, Ltd. products must be registered within (10) days of purchase to activate this warranty. Mail the completed registration form, along with a copy of the original sales receipt, and a check or money order for US\$12.00 made payable to Vector Manufacturing, Ltd., to:

ATTN.: CUSTOMER SERVICE
 VECTOR MANUFACTURING, Ltd.
 4140 SW 28th Way, Ft. Lauderdale, FL 33312

WARRANTY MUST BE PURCHASED WITHIN 90 DAYS OF PRODUCT PURCHASE DATE.
 WARRANTY IS NON-TRANSFERABLE AND NON-REFUNDABLE.

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120 DAY LIMITED WARRANTY

All Vector Manufacturing, Ltd. products are warranted to the original purchaser only, for 120 days from the date of purchase, to be free of defects in materials and workmanship. In no event will Vector Manufacturing, Ltd. be responsible for any amount of damages beyond the retail purchase price of the product. All Vector Manufacturing, Ltd. products must be registered within (10) days of purchase. To activate this warranty, mail the completed registration form along with a copy of the original sales receipt to the address shown below.

TERMS OF REPAIR OR REPLACEMENT: In the event of a defective unit, return the unit to us within 30 days of the date of purchase, and we will replace it, free of charge. If returned after 30 days but within 120 days of the purchase date we will repair the unit or, at our option, replace it free of charge. If we repair the unit, we may use new or reconditioned replacement parts, at our option. If we elect to replace the unit, we may replace it with a new or reconditioned one of the same or comparable design. The repair or replacement unit will then be warranted under the terms of our standard 120 day warranty. The customer is responsible for shipping charges on all returned items. During the warranty period, Vector Manufacturing, Ltd. will be responsible for the repair or replacement cost plus the return shipping charges.

LIMITATIONS: Implied warranties, including those of fitness for a particular purpose and merchantability (an unwritten warranty that the product is fit for ordinary use), are limited to 120 days from the purchase date. Vector Manufacturing, Ltd. will not reimburse for loss of time, inconvenience, loss of use of a product, or property damage caused by a product or its failure to work, or any other incidental or consequential damages, including personal injury.

EXCLUSIONS: This warranty does not cover bulbs, fuses and batteries, defects resulting from normal wear and tear (including chips, scratches, abrasions, discoloration or fading due to usage or exposure to sunlight), accidents, damage during shipping to our service facility, alterations, unauthorized use or repair, neglect, misuse, abuse, failure to follow instructions for care and maintenance, fire, flood, and Acts of God. If your problem is not covered by this warranty, call our customer service facility at (954) 923-1155 for general repair information and charges. This limited warranty is the only one that applies to this product, and sets forth all the responsibilities of Vector Manufacturing, Ltd. regarding this product. There are no warranties which extend beyond those described herein.

STATE LAW RIGHTS: Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the exclusions or limitations stated herein may not apply. This warranty gives the purchaser specific legal rights; other rights, varying from state to state, may apply.

TO REQUEST WARRANTY SERVICE FOR THIS PRODUCT: Within 30 days of the purchase date, return the unit, along with the dated sales receipt, to the place of purchase for immediate replacement. After 30 days, but within the 120 day warranty period, you may return the product to the address shown below. We suggest that you retain the original packaging in case you need to ship the unit. When returning a product, include your name, address, phone number, dated sales receipt, and a description of the reason for return. After repairing or replacing the unit, we will return it to you within four weeks.

[] Please activate my Limited Warranty for Model #VEC-243. I have enclosed a copy of the original sales receipt.

Name _____
Street Address _____
City _____ State _____ Zip Code _____
Phone _____ Fax _____ E-mail _____
Item Purchased _____
Date of Purchase _____
Store Where Purchased _____
UPC Number from package (12 digits) _____

All Vector Manufacturing, Ltd. products must be registered within (10) days of purchase to activate this warranty. Mail the completed registration form, along with a copy of the original sales receipt, to:

ATTN.: CUSTOMER SERVICE
VECTOR MANUFACTURING, Ltd.
4140 SW 28th Way, Ft. Lauderdale, FL 33312

BUTTONS AND DISPLAY INFORMATION:

1. **POWER:** PRESS "ON/OFF" BUTTON TO TURN THE VECTOR® LCD ELECTRONIC COMPASS ON OR OFF. REMEMBER TO TURN THE UNIT OFF WHEN NOT NEEDED, IN ORDER TO CONSERVE BATTERIES.
2. **LIGHT:** PRESS "LIGHT" BUTTON TO TURN ON THE BACKLIGHT. NOTE: BACKLIGHTING USES SIGNIFICANTLY MORE POWER THAN THE COMPASS ALONE. TO AVOID UNNECESSARY BATTERY DRAIN, USE THE BACKLIGHT FEATURE ONLY WHEN LIGHTING CONDITIONS REQUIRE IT.
3. **LIGHT COMES ON ONLY FOR A FEW SECONDS.** (COMPASS WILL NOT ADJUST TO A HEADING CHANGE WHILE THE LIGHT IS ON.)
4. **NUMERIC HEADING:** HEADING IS DISPLAYED IN 5° INCREMENTS FROM 0° TO 355°.
5. **COMPASS ARROW:** A SOLID COMPASS ARROW MOVES IN 22.5° INCREMENTS IN ALL MENU OPTIONS.
6. **CARDINAL POINTS:** DIRECTION LETTER IS DISPLAYED (N, E, NE, SE, S, SW, W, NW).
7. **"CAL" SYMBOL:** THE "CAL" SYMBOL WILL BE DISPLAYED WHEN THE UNIT SHOWS INACCURATE READINGS. RE-CALIBRATE UNIT TO RESTORE ACCURACY.

BATTERY REPLACEMENT:

THREE (3) ALKALINE "AAA" BATTERIES ARE SUPPLIED WITH THE UNIT.

1. REMOVE THE COMPASS FROM THE ANCHOR STRIP BY CAREFULLY SEPARATING THE TWO HALVES OF THE ADHESIVE TAPE.
2. TURN THE COMPASS OVER AND REMOVE THE BATTERY COMPARTMENT COVER.
3. REPLACE THE THREE "AAA" BATTERIES, CHECKING TO MAKE SURE THAT THE POSITIVE (+) AND NEGATIVE (-) TERMINALS MATCH THOSE OF THE BATTERY.
4. REPLACE THE BATTERY COMPARTMENT COVER.
5. SECURELY POSITION THE COMPASS BACK ON THE ADHESIVE MOUNTING TAPE ANCHOR.
6. RECALIBRATE THE COMPASS AS BEFORE.

SPECIFICATIONS:

CALIBRATION:
EASILY CALIBRATED TO ANY VEHICLE'S MAGNETIC SIGNATURE.

LIQUID CRYSTAL DISPLAY:
HEADING DISPLAYED IN 8 CARDINAL POINTS (N, NE, ETC.), AND NUMERIC HEADINGS (15°), PLUS COMPASS ARROW FOR EASY, ACCURATE MAP ORIENTATION.

OPERATING TEMPERATURE RANGE:
14°F TO 140°F (-10°C TO 60°C).

MOUNTING:
SUITABLE FOR DASHBOARD USING ADHESIVE MOUNTING KIT.

BATTERIES:
REQUIRES THREE (3) "AAA" ALKALINE BATTERIES (SUPPLIED).



VECTOR MANUFACTURING, Ltd.
4140 S.W. 28th Way
Ft. Lauderdale, FL 33312
Tel 954.584.4446 • fax 954.584.5556



LCD ELECTRONIC COMPASS

OWNER'S
MANUAL
& WARRANTY
INFORMATION



PLEASE READ THIS INSTRUCTION MANUAL CAREFULLY BEFORE USING THE PRODUCT, AND KEEP IT FOR FUTURE REFERENCE.

4140 S.W. 28TH WAY
FT. LAUDERDALE, FL 33312
TEL 954.584.4446 • FAX 954.584.5556

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