

BACKZONE[®]

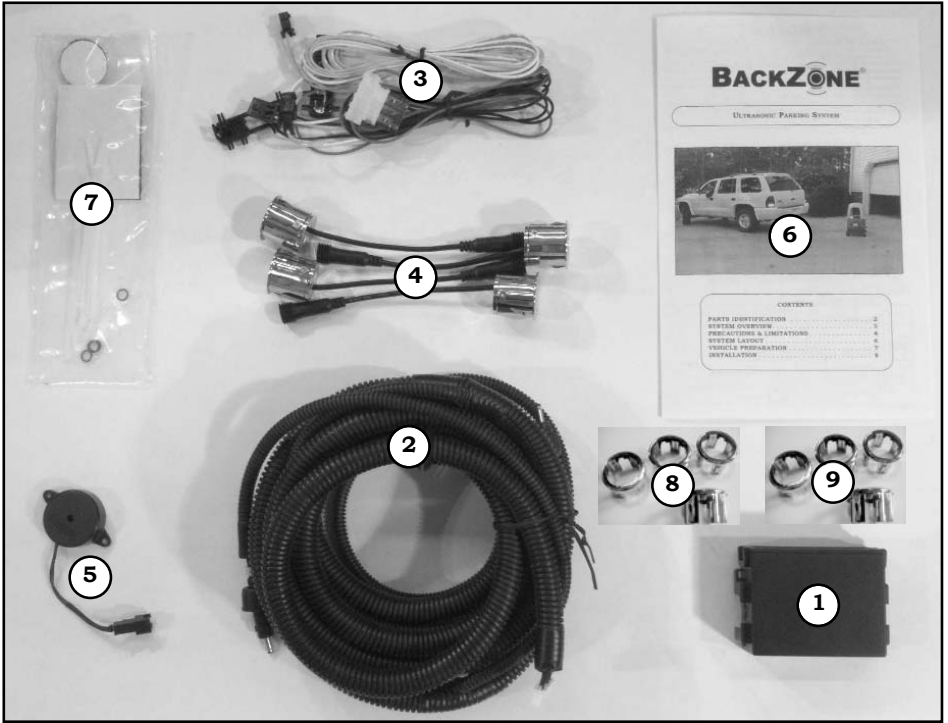
ULTRASONIC PARKING SYSTEM



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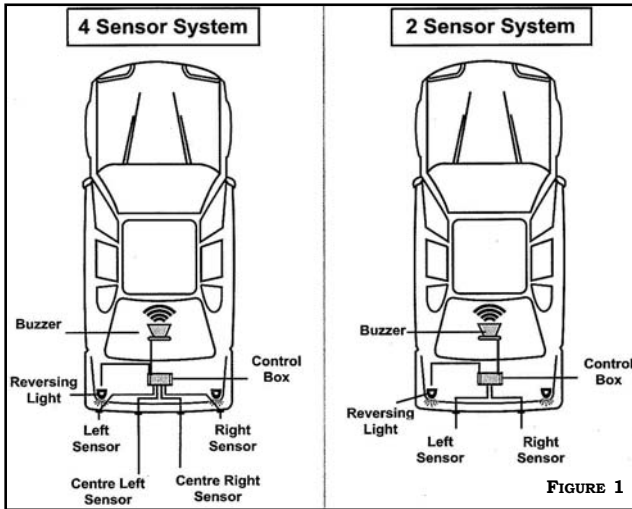
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PARTS IDENTIFICATION



ITEM	QTY	DESCRIPTION
1	1	ECU CONTROL MODULE
2	1	SENSOR HARNESS
3	1	POWER HARNESS
4	1	SENSORS
5	1	ALARM
6	1	INSTALLATION/OPERATOR MANUAL
7	1	HARDWARE PACKAGE
8	4	FLAT BEZELS
9	4	ANGLED BEZELS

SYSTEM LAYOUT



BEFORE BEGINNING INSTALLATION, FAMILIARIZE YOURSELF WITH THE INSTALLATION INSTRUCTIONS AND THE BACKZONE SYSTEM COMPONENTS. TO ENSURE YOUR SAFETY:

- A) MAKE SURE YOUR VEHICLE IS IN "PARK".
- B) APPLY THE EMERGENCY BRAKE.
- C) PLACE WHEEL BLOCKS BEHIND THE REAR TIRES.
- D) IF YOU LIFT THE VEHICLE, ENSURE THAT YOU USE JACK STANDS AND FOLLOW THE VEHICLE'S MANUFACTURER LIFTING INSTRUCTIONS.
- E) READ THIS MANUAL BEFORE STARTING.

CAUTION: IT IS ADVISABLE TO DISCONNECT THE NEGATIVE BATTERY CABLE FOR 3 MINUTES BEFORE BEGINNING INSTALLATION, TO AVOID UNINTENDED AIR BAG DEPLOYMENT.

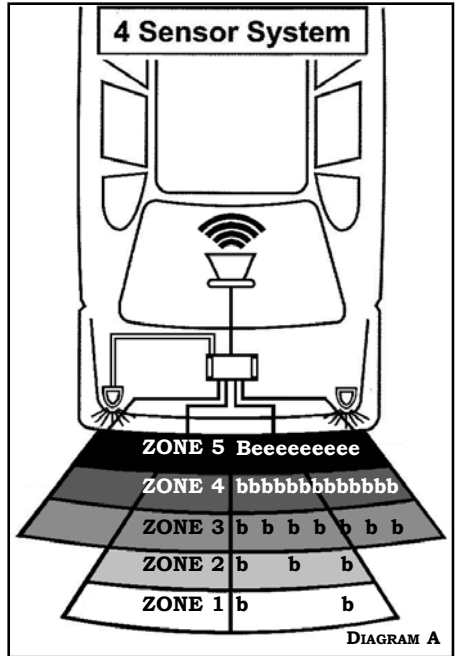
NOTE AND RECORD ANY ANTI-THEFT RADIO CODES PRIOR TO DISCONNECTING. THIS VEHICLE IS EQUIPPED WITH AN ULTRASONIC PARKING ASSIST SYSTEM. THIS SYSTEM IS A STATE-OF-THE-ART PARKING AID THAT USES ULTRASONIC TECHNOLOGY TO DETECT OBSTACLES IN A VEHICLE'S REARWARD BLIND SPOTS. THE SYSTEM IS ONLY OPERATIONAL WHEN THE VEHICLE IS IN REVERSE. WHEN TARGETS, SUCH AS PARKED CARS, TREES, AND WALLS ARE DETECTED IN THE COVERAGE AREA OF THE SENSORS, THE SYSTEM WILL GIVE AN AUDIBLE ALERT ("BEEPS") TO THE DRIVER VIA THE ALARM UNIT MOUNTED INSIDE THE VEHICLE.

WARNING: THE PARK ASSIST SYSTEM IS DESIGNED TO SUPPLEMENT OTHER SAFETY PRACTICES BY ENHANCING DRIVER AWARENESS OF DIFFICULT-TO-SEE AREAS. FAILURE TO OPERATE THE SYSTEM IN THE MANNER SPECIFIED IN THIS MANUAL COULD RESULT IN PERSONAL INJURY, PROPERTY DAMAGE, OR POSSIBLY DEATH. ALWAYS INSPECT BEHIND AND BELOW YOUR VEHICLE PRIOR TO BACKING UP TO ELIMINATE THE POSSIBILITY OF PROPERTY DAMAGE AND BODILY INJURY. ALWAYS USE CAUTION WHEN BACKING UP. RESPONSIBILITY FOR SAFE OPERATION OF THE VEHICLE REMAINS WITH THE DRIVER.

SYSTEM OVERVIEW

DETECTION ZONES

WHEN THE VEHICLE IS PUT INTO REVERSE, THE SYSTEM WILL SOUND ONE QUICK "BEEP" TO ALERT THE DRIVER THAT THE SYSTEM HAS BEEN ACTIVATED. THE SYSTEM WILL ALERT THE DRIVER TO THE PRESENCE OF A TARGET WHEN IT IS WITHIN ONE OF THE FIVE DETECTION ZONES AS SHOWN IN **DIAGRAM A**. ZONE 1 IS THE FIRST DETECTION ZONE AND COVERS THE DISTANCE FROM APPROXIMATELY 5FT TO 4FT FROM THE REAR BUMPER. THE ALARM UNIT WILL GIVE A SLOW BEEPING SOUND IF A TARGET ENTERS INTO THIS ZONE. ZONE 2 COVERS THE DISTANCE FROM APPROXIMATELY 4FT TO 3FT. THE ALARM UNIT WILL GIVE A FASTER BEEPING SOUND WHEN A TARGET PASSES INTO THIS ZONE. ZONE 3 COVERS THE DISTANCE FROM APPROXIMATELY 3FT TO 2FT FROM THE REAR BUMPER. THE ALARM UNIT WILL GIVE A FAST BEEPING SOUND IF A TARGET ENTERS INTO THIS ZONE. ZONE 4 COVERS THE DISTANCE FROM APPROXIMATELY 2FT TO 1FT. THE ALARM UNIT WILL GIVE THE FASTEST BEEPING SOUND WHEN A TARGET PASSES INTO THIS ZONE. ZONE 5 IS THE FINAL ZONE AND COVERS THE AREA FROM 1FT TO 0FT FROM THE BUMPER. THE ALARM WILL SOUND A CONTINUOUS TONE WHEN THE TARGET IS DETECTED IN THIS ZONE.



NOTE: ALL MEASUREMENTS ARE APPROXIMATE. DUE TO AN OBJECT'S POSITION, SHAPE, SIZE OR ANGLE, THE REFLECTED SIGNAL READ BY THE SENSOR MAY BE AFFECTED.

WHEN THE TARGET MOVES ENTIRELY OUT OF THE DETECTION AREA, THE SYSTEM WILL STOP ALARMING. THE ULTRASONIC PARKING ASSIST SYSTEM ALERTS THE DRIVER TO MOVING AND STATIONARY TARGETS. THE SYSTEM IS DEACTIVATED WHEN THE VEHICLE IS TAKEN OUT OF REVERSE GEAR.

PLEASE NOTE: VEHICLES EQUIPPED WITH TOW HITCH HARDWARE OR EXTERNAL/REAR MOUNTED SPARE TIRE SHOULD TEST SENSOR LOCATIONS PRIOR TO DRILLING HOLES.

1. FOLLOWING INSTRUCTIONS BEGINNING ON **PAGE 7**, MARK HOLE LOCATIONS ON THE BUMPER BUT **DO NOT DRILL** HOLES. CONNECT **1** SENSOR TO MAIN SENSOR HARNESS. CONNECT MAIN SENSOR HARNESS, ALARM UNIT AND POWER HARNESS TO ECU.

2. CONNECT POWER HARNESS TO +12V AND GROUND AND TURN ON THE SYSTEM.

CAUTION: IF USING VEHICLE POWER, APPLY EMERGENCY BRAKE, TURN IGNITION SWITCH TO THE ON POSITION, DO NOT START ENGINE, PLACE VEHICLE IN REVERSE.

3. AVOIDING USER DETECTION, HOLD THE SENSOR (WITH LOCATOR UP AND SENSOR FACE PERPENDICULAR TO THE GROUND) AT EACH MARKED LOCATION. IF THE SYSTEM DETECTS THE HITCH OR SPARE TIRE, MOVE THE SENSOR AWAY FROM THE CENTERLINE OF THE VEHICLE UNTIL NO DETECTION IS HEARD.

4. MARK NEW LOCATIONS SYMMETRICAL ABOUT THE VEHICLE CENTERLINE AND RETEST.

IF DETECTION IS UNAVOIDABLE, OR NEW SENSOR LOCATIONS DO NOT ADEQUATELY COVER THE CENTER PORTION OF THE BUMPER, USE ROSTRA PARKPILOT SERIES 250-1814/1832 WITH DYNAMIC SCAN MEMORY TO AVOID DETECTION OF REAR MOUNT SPARE TIRE AND TOW HITCH HARDWARE.

PRECAUTIONS & LIMITATIONS

PRECAUTIONS

A. IN VERY COLD WEATHER THE SENSOR MAY NOT DETECT OBSTACLES.

B. THE PARK ASSIST SYSTEM IS STRICTLY MEANT AS A DRIVER'S AID WHEN PARKING OR BACKING UP YOUR VEHICLE. NOT ALL OBJECTS WILL BE DETECTED BY THE SENSORS. THEREFORE, YOU MUST EXERCISE CAUTION AND COMMON SENSE WHILE DRIVING.

C. DO NOT EXCEED A SPEED OF 4 MPH WHILE BACKING UP.

D. ALWAYS STOP THE VEHICLE WHEN A SOLID TONE IS HEARD FROM THE ALARM UNIT AS IT INDICATES AN OBJECT IS DANGEROUSLY CLOSE TO THE REAR OF YOUR VEHICLE.

E. REGULARLY INSPECT THE SENSORS AND KEEP THEM CLEAN.

F. SYSTEM SENSITIVITY MAY BE DECREASED SLIGHTLY IF THE FACE OF THE SENSOR IS WET.

LIMITATIONS

A. UNDER THE FOLLOWING CONDITIONS, THE DETECTION FUNCTION MAY NOT FUNCTION PROPERLY:

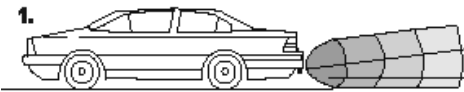
1. THE SENSOR IS COVERED WITH FOREIGN MATTER, SUCH AS MUD OR SNOW (DETECTION FUNCTION RETURNS TO NORMAL IF SENSOR IS CLEANED).
2. THE SENSOR IS FROZEN (DETECTION FUNCTION RETURNS TO NORMAL WHEN DEFROSTED).
3. A HAND IS BLOCKING THE SENSOR.
4. THE VEHICLE IS IN A VERY HOT OR COLD AREA.
5. DRIVING ON A BUMPY ROAD, ON AN UNPAVED ROAD OR IN TALL GRASS.
6. ANOTHER VEHICLE'S HORN, MOTORCYCLE ENGINE SOUNDS, A LARGE VEHICLE'S AIR BRAKE SOUND, ANOTHER VEHICLE'S SONAR OR OTHER THINGS THAT TRANSMIT ULTRASONIC WAVES ARE NEAR THE VEHICLE.
7. IT IS RAINING HEAVILY OR WATER IS SPRAYED ON THE SENSOR.
8. THE VEHICLE IS EXTREMELY TILTED.
9. THE VEHICLE IS EQUIPPED WITH A COMMERCIAL FENDER POLE OR A WIRELESS MECHANISM ANTENNA.
10. THE SENSOR IS COVERED WITH FOREIGN MATTER, SUCH AS MUD OR SNOW.
11. THE VEHICLE IS MOVED FORWARD OR BACKWARD TOWARDS HIGH CURBS OR OBJECTS THAT ARE PERPENDICULAR TO THE GROUND.

B. THE SENSOR CANNOT DETECT THE FOLLOWING OBJECTS:

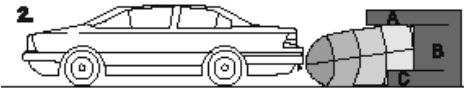
1. THIN OBJECTS, SUCH AS WIRES AND ROPES.
2. MATERIALS THAT EASILY ABSORB ULTRASONIC WAVES, SUCH AS COTTON, SNOW, ETC.
3. OBJECTS WITH SHARP EDGES.
4. SHORT OBJECTS.
5. TALL OBJECTS WITH A PROJECTED UPPER PART.

C. OTHER NOTICES:

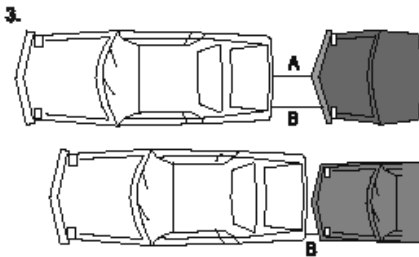
1. THE SENSOR CANNOT DETECT OBJECTS DIRECTLY UNDER THE BUMPER. (THE SENSOR MAY DETECT LOW OBJECTS AND THIN POLES, AND THEN LOSE TRACK OF THE OBJECTS.)
2. THE SENSOR MAY BE UNABLE TO DETECT OBSTACLES THAT ARE TOO CLOSE TO THE SENSOR.
3. THE SENSOR MAY BE UNABLE TO DETECT OBSTACLES IF IT IS DROPPED OR SUBJECTED TO A STRONG IMPACT.



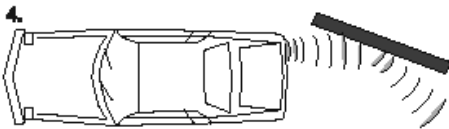
1. THE SYSTEM MAY NOT DETECT VERY LOW LYING TARGETS SUCH AS CURBS.



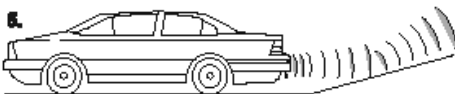
2. THE SYSTEM WILL DETECT AREAS B AND C, BUT NOT AREA A.



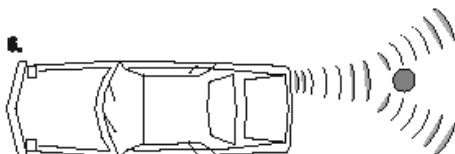
3. POINT A IS BE DETECTED FIRST, AND THEN POINT B IS DETECTED AS THE CAR MOVES CLOSER. HOWEVER, IF THE TARGET GETS TOO CLOSE, POINT A MAY FALL INTO A BLIND SPOT AND POINT B WILL BE MISJUDGED AS THE CLOSEST DISTANCE.



4. WHEN BACKING TO A SMOOTH WALL ALMOST PARALLEL TO THE DIRECTION OF TRAVEL, THE WALL MAY NOT BE DETECTED AS MOST OF THE SIGNAL IS REFLECTED AWAY.



5. WHEN THE CAR APPROACHES A GRADUAL SLOPE, THE SLOPE MAY NOT BE DETECTED.

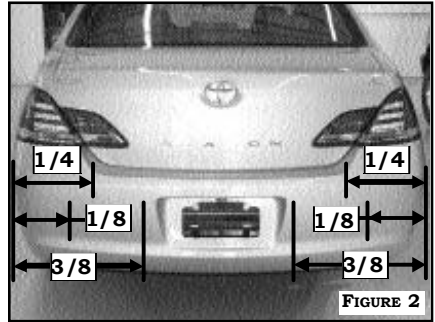


6. THE SYSTEM MAY NOT DETECT A SMALL AND SMOOTH POLE.

INSTALLATION

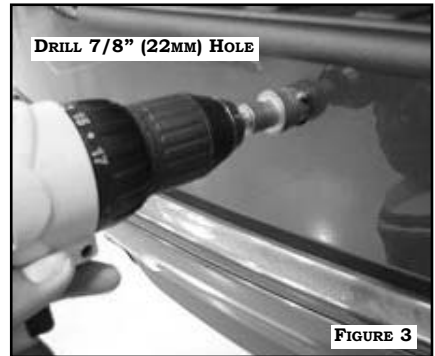
STEP 1: SENSOR LOCATION

1. THE BACKZONE SENSORS ARE DESIGNED TO MOUNT FLUSH IN A BUMPER FASCIA. THE IDEAL LOCATION WILL BE A FLAT SURFACE THAT IS PERPENDICULAR TO THE GROUND, AND **18"-22"** ABOVE THE GROUND. WRAP THE BUMPER WITH TEMPORARY PROTECTIVE PLASTIC. FOR THE 2 SENSOR SYSTEM, MEASURE THE WIDTH OF THE BUMPER AND MARK LOCATIONS FOR SENSORS AT **1/4** DISTANCE FROM EACH END. FOR THE 4 SENSOR SYSTEM, MEASURE THE WIDTH OF THE BUMPER AND MARK THE LOCATIONS AT **1/8** AND **3/8** DISTANCE IN FROM EACH END AS SHOWN IN **FIGURE 2**.



NOTE: VEHICLES WITH METAL OR ANGLED BUMPERS MUST USE BEZELS. FOR METAL BUMPERS WITH FLAT MOUNTING SURFACES PERPENDICULAR TO THE GROUND, USE THE FLAT BEZELS PROVIDED. FOR ANGLED BUMPERS (METAL OR PLASTIC) USE ANGLED BEZELS PROVIDED.

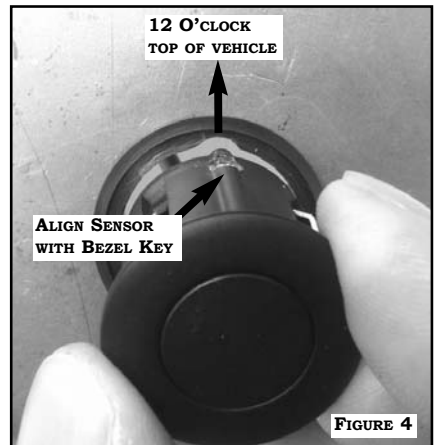
2. IF USING BEZELS, USE A **26MM HOLE SAW** TO DRILL HOLE AT EACH MARK. IF NO BEZELS ARE REQUIRED, USE A **22MM (7/8") HOLE SAW**. MAKE SURE THE PILOT BIT ON THE HOLE SAW IS FLUSH WITH THE PILOT HOLE IN THE BUMPER. THIS WILL ENSURE AN EVEN CUT. CAREFULLY DEBURR THE HOLES IN THE BUMPER. **SEE FIGURE 3.**



STEP 2: SENSOR MOUNTING

1. IF USING BEZELS, TURN BEZEL SO THE LOCATING KEY IS IN THE 12 O'CLOCK POSITION (TOWARD THE TOP OF THE CAR). PRESS THE BEZEL FIRMLY INTO BUMPER, MAKING SURE IT SNAPS INTO PLACE. **FIGURE 4**
2. CONNECT THE SENSORS TO THE MAIN SENSOR HARNESS UNDER THE VEHICLE.

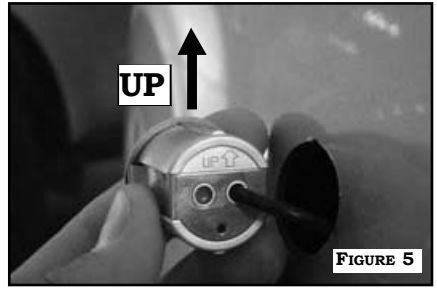
NOTE: IT IS EASIER TO PASS THE MAIN SENSOR HARNESS LEFT AND RIGHT LOOM CONNECTORS THROUGH THE DRILLED HOLES BEFORE CONNECTING AND INSERTING THE SENSORS.



INSTALLATION

STEP 2: SENSOR MOUNTING (CONT.)

3. TURN THE SENSOR SO THAT THE MOUNTING TAB WITH THE ARROW IS FACING THE TOP OF THE VEHICLE, **FIGURES 4 & 5**. PRESS THE SENSOR FIRMLY INTO THE FASCIA (OR BEZEL), MAKING SURE THE SENSOR SNAPS INTO PLACE.
4. MAKE SURE THE END OF THE MAIN HARNESS WITH THE CONNECTORS ROUTES ALONG THE PASSENGER OR DRIVER SIDE. USE WIRE TIES WHERE NECESSARY TO SECURE AND PROTECT HARNESS. CUT A SLIT IN THE DESIRED GROMMET LOCATION AND PASS THE SENSOR HARNESS THROUGH TO THE INTERIOR OF THE VEHICLE. IN SOME VEHICLES, ACCESS TO TRUNK AREA CAN BE FOUND BY REMOVING TAIL LIGHT FIXTURE. SEAL GROMMET WITH SILICONE SEALANT.



STEP 3: POWER CONNECTIONS & MOUNT ECU

1. CONNECT THE BLACK 4-PIN CONNECTOR FROM THE POWER HARNESS TO THE CONTROL MODULE (ECU). USING THE SUPPLIED CONNECTORS, CONNECT THE RED POWER WIRE OF THE BackZONE POWER HARNESS TO THE +12V REVERSE LIGHT. CONNECT THE BLACK GROUND WIRE OF THE BackZONE POWER HARNESS TO THE REVERSE LIGHT GROUND OR A CHASSIS GROUND. CONNECT THE SENSOR HARNESS TO THE CONTROL MODULE.
2. USING THE SUPPLIED RECTANGULAR PAD, MOUNT THE ECU BEHIND A TRIM PANEL IN THE TRUNK OR CARGO AREA. THE ECU MUST BE MOUNTED INSIDE THE VEHICLE AWAY FROM AREAS PRONE TO MOISTURE. ALSO, MAKE SURE THE IN-LINE FUSE HOLDER IS ON THE INSIDE OF THE VEHICLE. SECURE EXCESS WIRE WITH WIRE TIES.

INSTALLATION

STEP 4: ALARM UNIT MOUNTING

1. CONNECT ONE SIDE OF THE ALARM UNIT EXTENSION HARNESS TO THE 2-PIN CONNECTOR FROM THE POWER HARNESS. CONNECT THE OTHER SIDE OF THE ALARM UNIT EXTENSION HARNESS TO THE 2-PIN CONNECTOR FROM THE ALARM UNIT. USING THE SUPPLIED ROUND VELCRO PAD, MOUNT THE ALARM UNIT TO ANY FLAT SURFACE BEHIND A TRIM PANEL AS SHOWN IN

FIGURE 6.

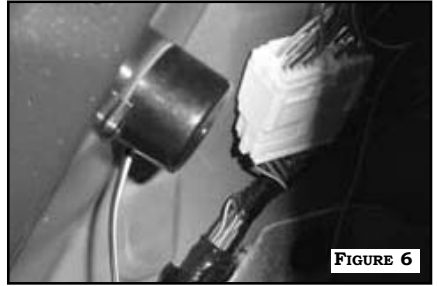


FIGURE 6

STEP 5: TESTING

1. RECONNECT NEGATIVE BATTERY CABLE AND TORQUE TO **3 FT*LBS.** REENTER ANY THEFT DETERRENT INFORMATION, IF APPLICABLE.
2. TURN THE IGNITION TO THE "ON" POSITION, ENGAGE THE EMERGENCY BRAKE, AND PUT THE VEHICLE INTO REVERSE. THE ALARM UNIT WILL ALERT ONE QUICK BEEP TO INDICATE THAT THE SYSTEM IS ACTIVE. HAVE AN ASSISTANT WALK INTO THE DETECTION AREA AND TRIGGER AN ALARM. CYCLE THE REVERSE GEAR AND VERIFY THAT THE SYSTEM POWERS UP AGAIN. AVERAGE DISTANCES ARE AS FOLLOWS (SEE DETECTION ZONES, PAGE 3):

ZONE 1 (SLOW BEEPING) - 60" TO 47"

ZONE 2 (QUICKER BEEPING) - 47" TO 34"

ZONE 3 (FASTER BEEPING) - 34" TO 24"

ZONE 4 (FASTEST BEEPING) - 24" TO 14"

ZONE 5 (SOLID TONE) - 14" TO 0"

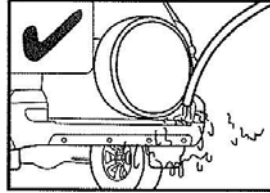
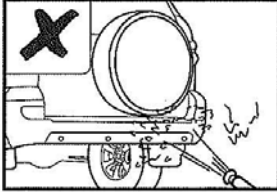
STEP 6: REASSEMBLY

1. REINSTALL ALL TRIM PIECES TAKING SPECIAL CARE TO ENSURE HARNESSSES AND WIRING CONNECTIONS ARE PROPERLY SECURED.
2. BE SURE HARNESS IS NOT PINCHED OR BOUND BY TRIM PIECES.
3. PLACE THE OWNER'S CARD IN THE GLOVE BOX.
4. RECONNECT ALL DISCONNECTED BULBS AND CHECK FOR FUNCTION.

MAINTENANCE

ALWAYS KEEP SENSORS CLEAN, AS DEPOSITS OF DIRT OR CAR POLISH RESIDUE MAY RESULT IN ERRORS. WATER FROM WASHING YOUR CAR, OR RAIN ON THE SENSORS MAY ALSO EFFECT THE ACCURACY OF THE SYSTEM AND CAUSE FALSE READINGS. GROOVE ON THE SENSOR MUST BE CLEAN WITH NO DEPOSITS OF DIRT OR CAR POLISH RESIDUE.

**Do NOT WASH
THE SENSORS
WITH SQUIRT
GUN OR SWAB
THEM FORCIBLY**



**PLEASE WASH
THE CAR WITH
LOW-PRESSURE
WATER**

NOTES

WARRANTY

36-MONTH/36,000-MILE LIMITED WARRANTY

ROSTRA PRECISION CONTROLS, INC. (THE COMPANY), WARRANTS TO THE ORIGINAL RETAIL PURCHASER OF THIS PRODUCT THAT SHOULD THIS PRODUCT OR ANY PART THEREOF, UNDER NORMAL USE AND CONDITIONS, BE PROVEN TO HAVE DEFECTIVE MATERIAL OR WORKMANSHIP WITHIN 36 MONTHS OR 36,000 MILES OF THE ORIGINAL PURCHASE, WHICHEVER FIRST OCCURS, SUCH DEFECTS WILL BE REPAIRED OR REPLACED (AT THE COMPANY 'S OPTION) WITHOUT CHARGE FOR THE PARTS. THIS WARRANTY DOES NOT APPLY TO BATTERIES OR NORMAL WEAR AND TEAR ASSOCIATED WITH THE PRODUCT.

TO OBTAIN REPAIR OR REPLACEMENT WITHIN THE TERMS OF THIS WARRANTY, THE PRODUCT IS TO BE DELIVERED, TRANSPORTATION PREPAID, WITH PROOF OF WARRANTY COVERAGE (E.G.,DATED BILL OF SALE) AND SPECIFICATION OF DEFECTS, TO THE INSTALLING DEALER AND/OR RETAILER.

THIS WARRANTY DOES NOT COVER COSTS INCURRED FOR THE REMOVAL OR REINSTALLATION OF THE PRODUCT, AND/OR RELATED COMPONENTS, AND/OR DAMAGE TO THE VEHICLE 'S ELECTRICAL SYSTEM OR COMPONENTS.

THIS WARRANTY DOES NOT APPLY TO ANY PRODUCT OR PART THEREOF WHICH, IN THE OPINION OF THE COMPANY, HAS BEEN DAMAGED THROUGH ALTERATION, IMPROPER INSTALLATION, MISUSE, NEGLIGENCE, ACCIDENT, OR CUSTOMER ABUSE.

THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESSED WARRANTIES OR LIABILITIES. **ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, MUST BE BROUGHT WITHIN A PERIOD OF 42 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, WHATSOEVER.** NO PERSON OR REPRESENTATIVE IS AUTHORIZED TO ASSUME FOR THE COMPANY ANY LIABILITY OTHER THAN EXPRESSED HEREIN IN CONNECTION WITH THE SALE OF THIS PRODUCT.

THE EXTENT OF THE COMPANY 'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE, AND IN NO EVENT SHALL THE COMPANY 'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY THE PURCHASER FOR THE PRODUCT. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGE, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE

CUSTOMER'S NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

DEALER NAME: _____

DEALER ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

DATE PURCHASED: _____ DATE INSTALLED: _____

MAKE & YEAR OF CAR: _____

MILEAGE AT INSTALLATION: _____

