

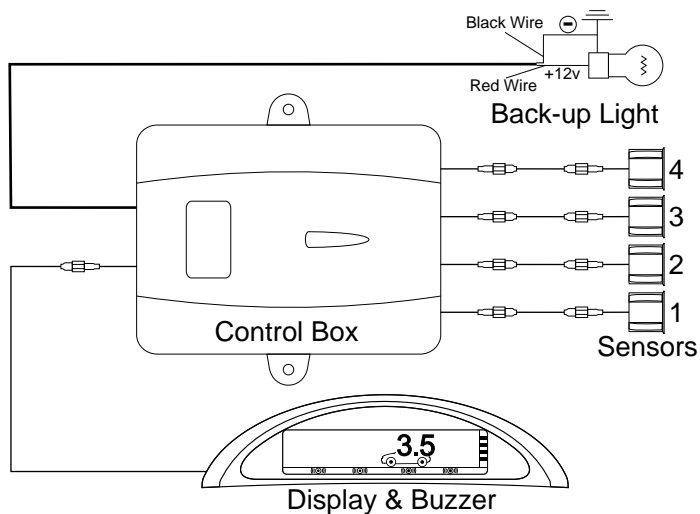
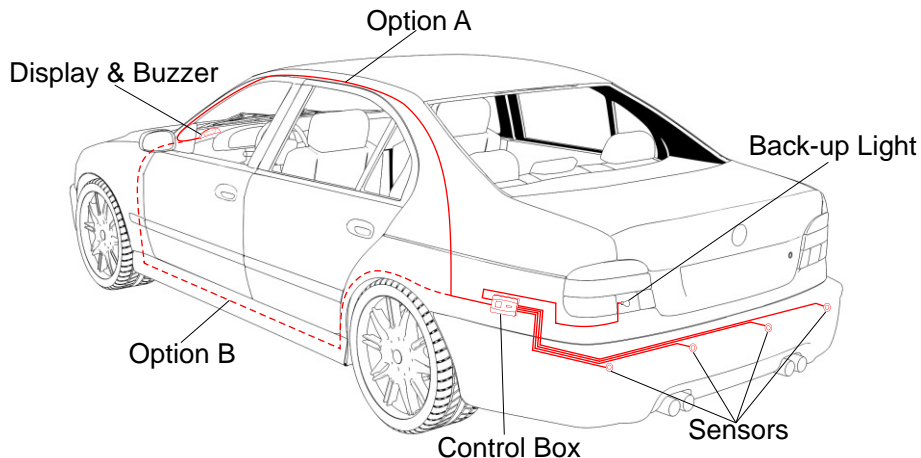


AutoSonar®
AUTOMOTIVE PARKING SENSOR

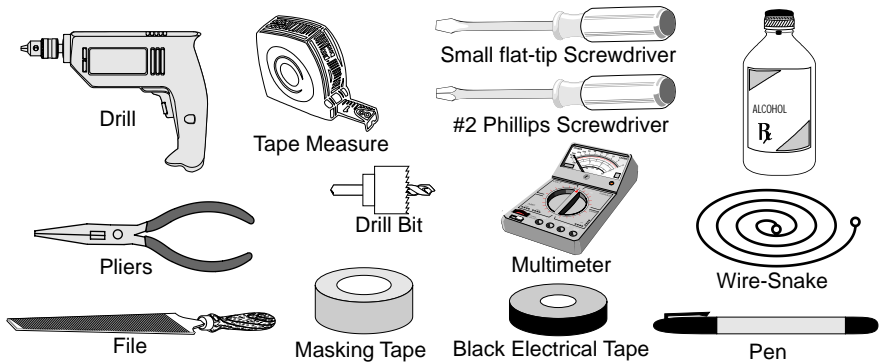
Installation Instruction



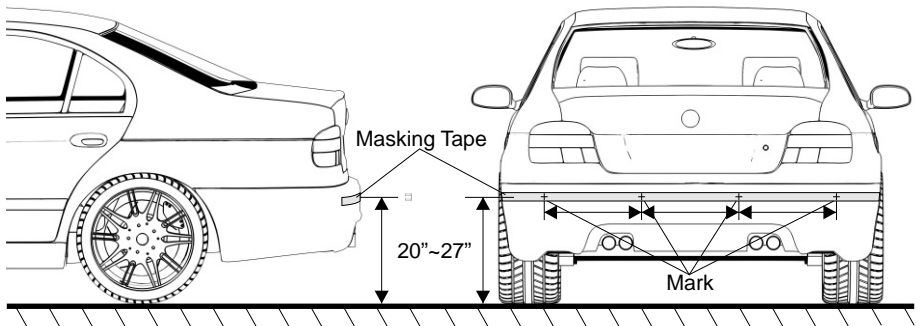
Installation Instruction



TOOLS

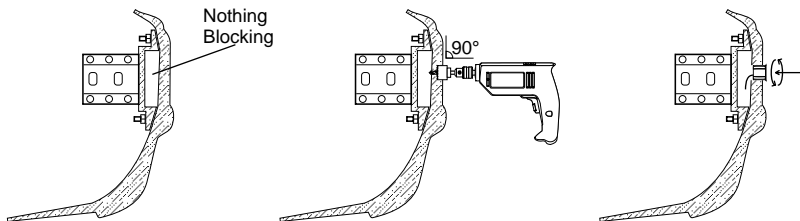


Sensor Installation



First locate where you are going to install the sensors and place a piece of masking tape.

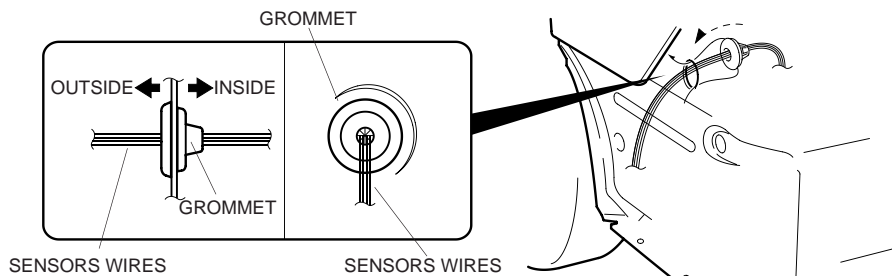
Measure and mark the positions of the holes.



Make sure that there is nothing blocking the area behind the bumper, where the sensors go.

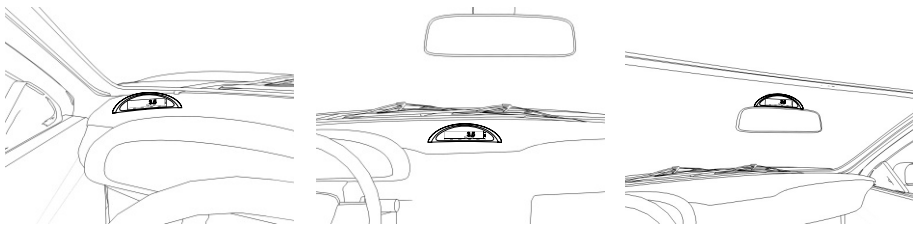
Drilling position must be perpendicular to the surface of the bumper.

As you push, wiggle the sensor and make sure it goes all the way in and flush against the bumper, leaving no gap.

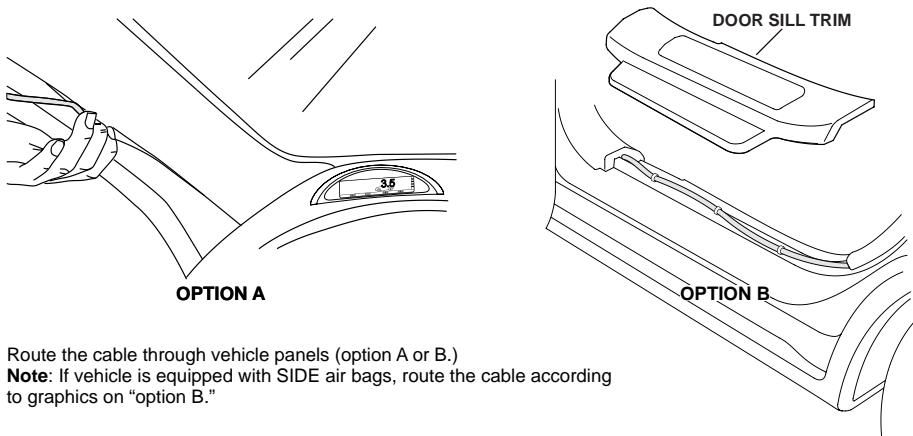


To route the sensor cables, locate a hole/grommet or if possible route through tail lights slots.

Display Installation



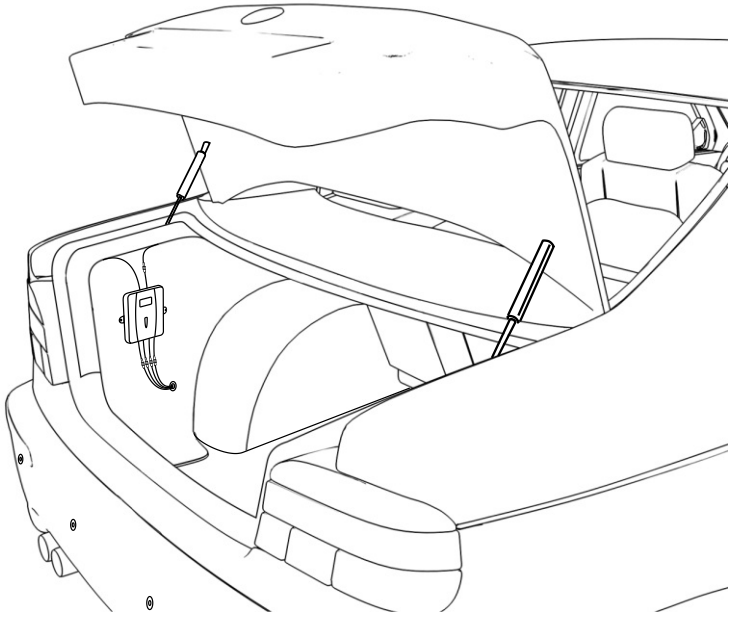
Select an area to mount display firmly and easy for the driver to see.
Clean surface with alcohol and use the double sided tape to mount.



Route the cable through vehicle panels (option A or B.)

Note: If vehicle is equipped with SIDE air bags, route the cable according to graphics on "option B."

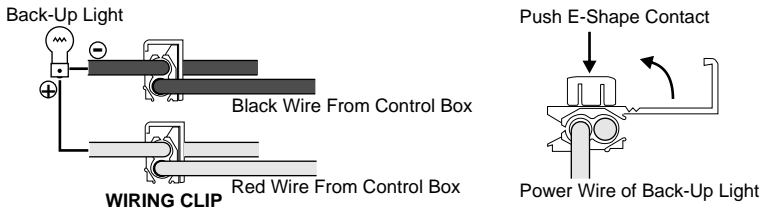
Control Box Installation



Remove the necessary back panels to mount the control box in a safe place, away from rain, heat or humidity. However, our control box is designed to be water resistant.

Power Connection

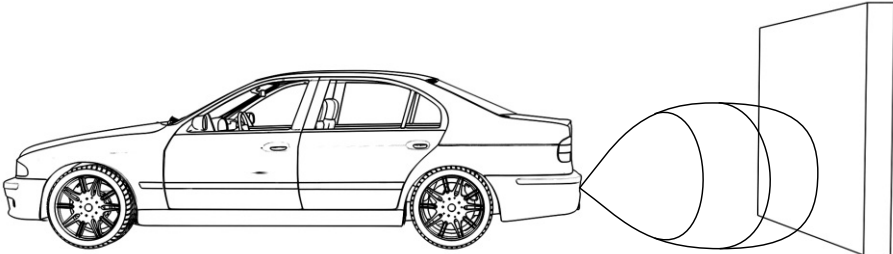
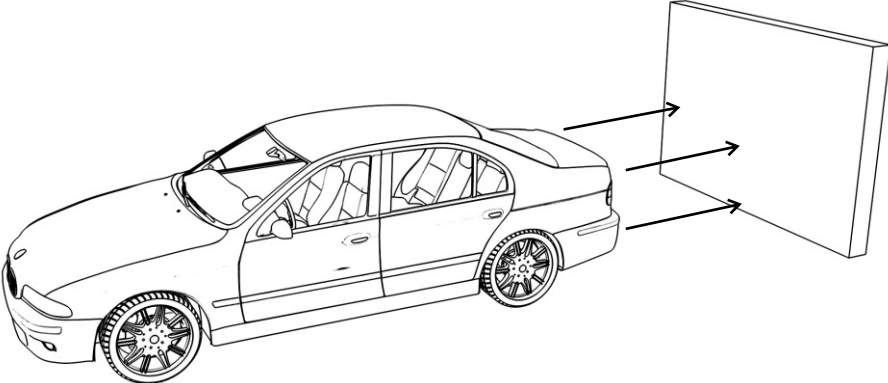
Put on the parking brake, then turn the ignition on (do not start the vehicle) and place the gear in reverse.



Using the voltmeter to identify the reverse wire, proceed with connection as shown in the graphic. Check that all wire harnesses are routed properly, and that all connectors are plugged in. Re-install all removed parts.

Testing

Check that the back up sensor works properly as described in the owners manual supplied with the backup sensor kit, and be aware of the system limitations.



CAUTION: Back-Up must be done slowly.

Please; refer to the “User’s Manual” for details.

Technical Specifications:

Working Voltage: 10.5-16V DC

Working Temperature : - 30C to + 80C

Sensor Dimensions: 0.87" x 0.71" (22mm x 18mm)

Sensor Detection Range : 0 – 5 feet (0.4m - 1.5m)

Sensor Accuracy: +/- 0.40" (+/- 1.0cm)

Sensor Detection Angles: horizontal: 80 degrees; Vertical: 80 degrees

Digital Display: 3 digit color LCD

Distance Display is in feet. (1 foot = 30.48cm)

Display Dimensions: Width x Height = 0.897" x 3.50" (22.8mm x 89mm)

3 Alert Zones

Beeper: with volume control switch to set audible alert to High/Low/Off

LCD Display Cable Length: 19.6 feet (6m)

Sensor Cable Length: 4 Rear Sensors, 9.8 feet (3m)

Included In the Box:

4 "in-bumper" type sensors with attached cable

Waterproof Main System Control Box With 3M Self-Adhesive (velcro)

Color Display With 3M Self-Adhesive on the bottom of the base

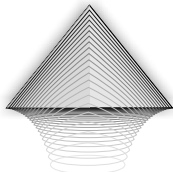
Display Cable

Power Supply Cable

0.83" (21mm) drill bit: Precise bit to drill the exact holes for the sensors

User's Manual and Installation Instruction

NOTES:



Engineering Performance
Innovations

