

BAK-TALK™ III

REVERSE AID SYSTEM

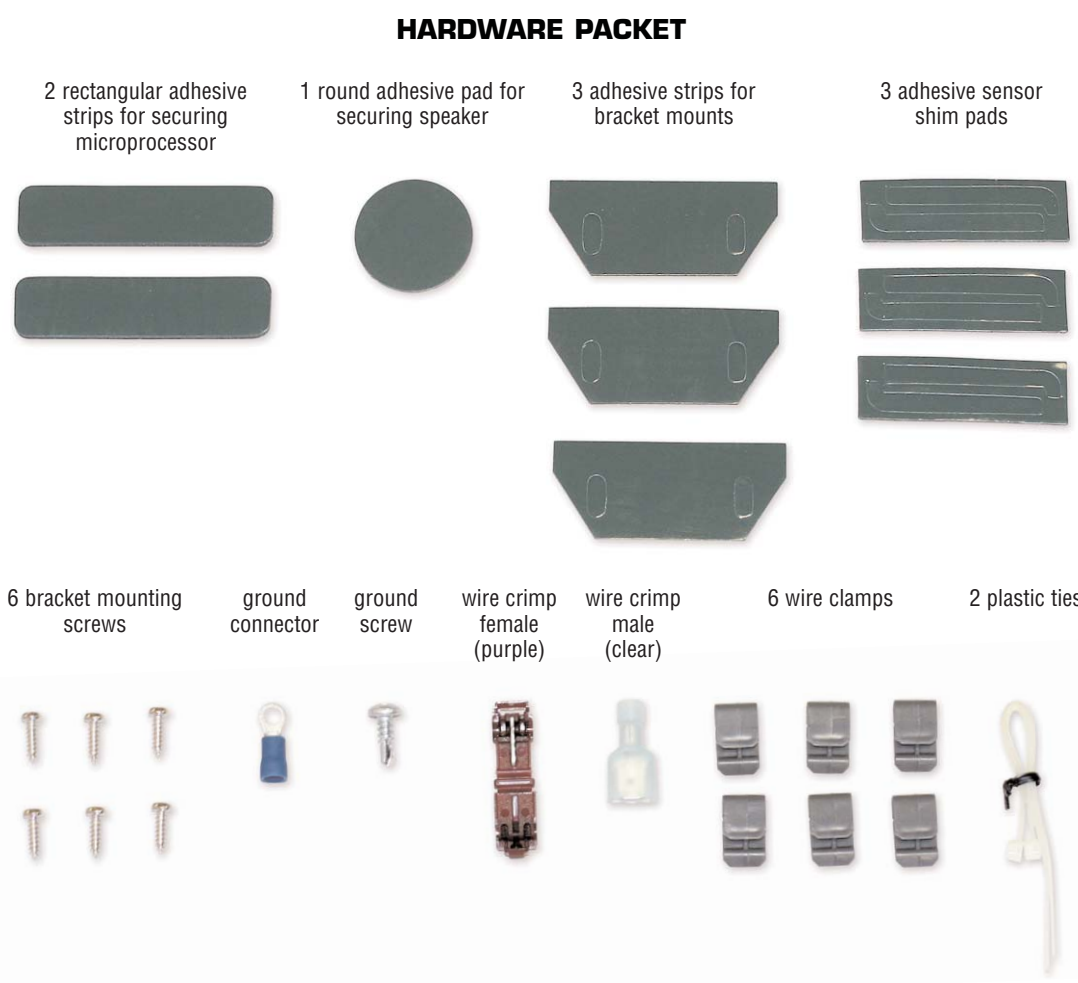
Installation Guide

BAK-TALK REVERSE AID SYSTEM AND HARDWARE PACKET

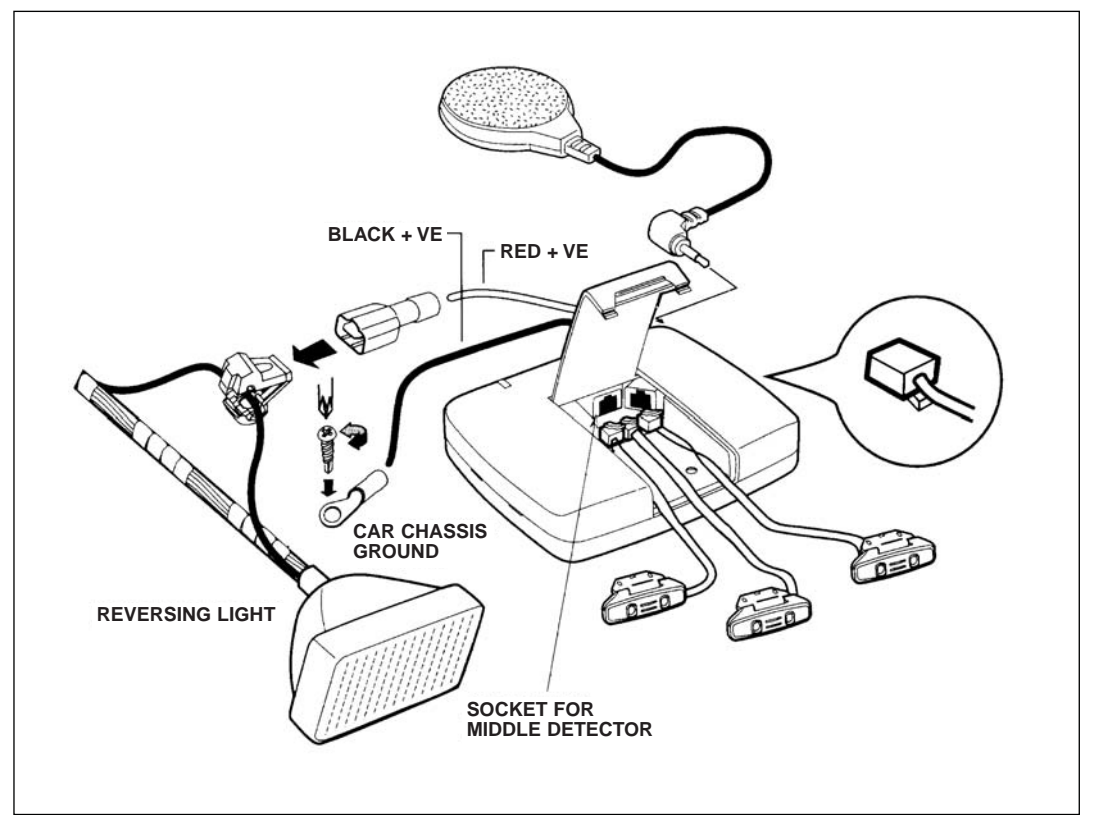
BAK-TALK™ III

REMOVE THE COMPONENTS OF THE BAK TALK III FROM THE BOX AND IDENTIFY THEM AS INDICATED IN THE PICTURE.

You will need a small Phillips screwdriver and a pair of pliers to begin. If you are going to drill access holes, you will need a drill and a 3/8" drill bit.



QUICK REFERENCE FOR REVERSE AID SYSTEM CONNECTION



HOW TO INSTALL YOUR BAK-TALK REVERSE AID SYSTEM

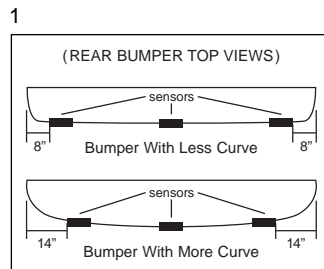
BAK-TALK III™

1 | PREPARATION

THE MOUNTING POSITION OF THE SENSORS IS VERY CRITICAL. TAKE TIME TO PLAN CAREFULLY. IMPROPER INSTALLATION DIRECTLY AFFECTS THE PERFORMANCE OF THE SYSTEM.

Select the best position for the sensors on the back of the vehicle. YOU HAVE A CHOICE. They can either be placed on the face of the bumper or underneath the bumper, using the brackets provided.

CHOICE 1 – If you want the sensors placed on the face of the bumper (Fig. 1), they need to be placed 16 to 24 inches off the ground aiming straight out from the vehicle with one in the middle of the bumper and the other two 8 to 14 inches from each side of the vehicle depending on the curve of the bumper (Fig. 2). Note: if the sensors need to be placed above or below the suggested height they can be angled up or down with the shims provided. Be certain sensors do not aim down toward the road - you don't want the sensors to detect the road. Each sensor must be mounted so it can detect objects behind the vehicle. The sensors are attached by using the double sided adhesive tape on the sensor.



CHOICE 2 – If you want the sensors placed underneath the bumper by using the brackets (Fig. 3), the angle of the sensors must have a slight upward angle so the sensors don't detect the road. The brackets are attached by using the bracket adhesive strips and mounting screws provided. The angle of the bracket can be locked into place by tightening the set screw located on the right-hand side of the bracket (Fig. 4).



2 | INSTALL SENSORS ON AUTOS AND SUVS

Having chosen the location of the sensor placement, you are ready to begin. After measuring and marking where the sensors will be placed, unwind and lay out the sensors. Be sure the sensor with the longest (10 ft.) wire is mounted on the side opposite of where the microprocessor is going to be located.

Remove plastic covers from sensors. They are not needed. If you wish, they may be painted with touch-up paint to match your vehicle and affixed to the sensor with super glue.

If you have chosen to install your sensors on brackets underneath the bumper, skip the following paragraph:

CHOICE 1 – If you have chosen to install your sensors on the face of the bumper, drill a 3/8" hole for each sensor (Fig. 5). Then clean the surface of the bumper with isopropyl alcohol so that the sensors will adhere properly. Feed the wire through the hole in the bumper (Fig. 6). Peel the backing from



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the sensor. (If shims are required, attach the shim to the back of the sensor in the position needed to angle the sensor up or down.) Peel the backing and adhere the sensor to the bumper, covering the hole. **DO NOT press in the middle of the sensor, as this will damage the computer chip inside.**

CHOICE 2 – If you have chosen to install your sensors underneath the bumper, attach the brackets by using the bracket adhesive strips and mounting screws provided. Peel the backing from the sensor and adhere the sensor to the bracket. **DO NOT press in the middle of the sensor, as this will damage the computer chip inside.** Remember, the angle of the sensors must have a slight upward angle so the sensors don't detect the road. Once you are certain that the angle is correct, the angle of the bracket can be locked into place by tightening the set screw located on the right-hand side of the bracket.

Finally, run the sensor wires with the modular plug under the bumper into the trunk or back of your vehicle through either the small vent or rubber grommet which is normally located on the driver's side behind the carpet or side panels. If you cannot locate a vent or grommet on the driver's side, check for them on the passenger side. Make sure that there are no loose wires hanging down and that they are not touching any sharp edges.

2a | INSTALL SENSORS ON TRUCKS

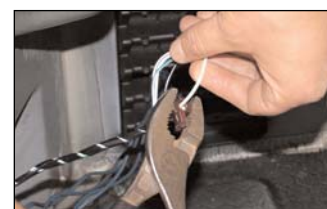
Follow instructions in STEP 2 with the following exceptions: If there is no room to put the sensor in the middle of the bumper due to the placement of the license plate, the middle sensor may be placed on the license plate frame. On some trucks, the sensor wires can be tucked underneath the plastic step pad that is located on the top of the bumper and run to the back of the bumper (Fig. 7).



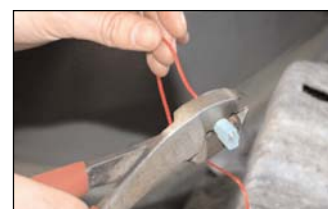
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3 | WIRING THE MICROPROCESSOR ON AUTOS AND SUVS

Place the microprocessor unit inside your trunk or the back of your vehicle near the taillight assembly. Connect the red wire from the microprocessor to the reverse light wire by using the crimping connector. Using a set of pliers, attach the female wire crimp to the taillight wire (Fig. 8), the male wire



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crimp to the red wire on the microprocessor (Fig. 9) and connect the two wire crimps together (Fig. 10). With pliers, attach the ground connector to the black wire on the microprocessor and then drill the ground connector onto the car chassis (Fig. 11). For SUVs with reverse lights located in the rear hatch, run the red wire from the microprocessor behind the weather stripping on the door frame up to the headliner to meet the wires in the hatch that power the reverse lights. **DO NOT** adhere microprocessor to the vehicle until finalizing installation (Step 5).

3a | WIRING THE MICROPROCESSOR ON TRUCKS

Follow instructions in STEP 3 with the following exceptions: The microprocessor must be placed inside the driver's side taillight and should be covered with duct tape or other waterproof material to prevent moisture build-up inside the unit (Fig. 12).



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4 | INSTALL SPEAKER ON AUTOS AND SUVS

Mount the warning speaker anywhere inside the passenger compartment with double sided adhesive pads. We recommend placing the speaker on the pillar behind the driver's seat or on the shelf between the rear seat and the back window (Fig. 13). If placed on the pillar, run the speaker wire down the back of the pillar and under the weather trim to the back seat (Fig. 14).



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If placed on the shelf, run the wire between the shelf and the rear seat into the trunk and down to the microprocessor (Fig. 15).



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4a | INSTALL SPEAKER ON TRUCKS

Mount the warning speaker on the rear seatbelt pillar. Run the speaker wire down the back of the pillar to the floorboard and through the vent or rubber

grommet in the rear of the cab. If your vehicle does not have a vent or rubber grommet in the rear of the cab, you will need to drill a small hole in the floorboard to get the wire to the outside of the cab. Run the speaker wire up over the drivers side wheel well and then pull the wire into the taillight assembly.

5 | FINALIZING INSTALLATION

First, plug the speaker into the microprocessor (Fig. 16). Next, insert the modular plugs from the sensors into the microprocessor making sure the left sensor is plugged into the left slot, the middle sensor into the middle slot, and the right sensor into the right slot (Fig. 17). Make sure that the



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modular plugs are pushed in all the way - you will hear 2 clicks when they are properly secured. Place the adhesive strips onto the back of the microprocessor and attach it to the appropriate location in the vehicle. Start your vehicle and shift into reverse gear. The device will "beep," indicating it is activated.

6 | TESTING YOUR NEW REVERSE AID SYSTEM

Back your vehicle to approximately 10 feet from a wall or flat vertical surface. Now continue to back up SLOWLY and, as your vehicle reaches the effective distance, the system will begin to emit a warning sound and you will hear the words "8 feet." As you continue to back your vehicle, the tone will quicken and you will hear the words "5 feet, 3 feet, 2 feet, 12 inches." Stop your vehicle at 12 inches from the wall. If you back up further, you will hear the word "CRASH".

You may select the sound level using the side slide switch on the speaker. You can position it to "high," "normal," or "mute."

BLIND AREA ALERTING SIGNALS

With this product, there are some areas located both on the sides and in between the sensors that are "blindspots." While driving in reverse, if an object is detected in any of these blind areas, the system will generate a special effect sound to alert the driver. In addition, the driver will hear "object in blind area" together with the alerting sound. The system will lock on this status until the driver resets the system by shifting the vehicle out of reverse.

EFFECTIVE DETECTING AREA FOR BAK-TALK 3 IS AS SHOWN IN [FIG 1].	
TYPICAL PERFORMANCE TARGET OBSTACLE	APPR. EFFECTIVE DISTANCE
Concrete Wall	8 feet
Vehicle	5 - 8 feet
Post (3 inches x 3 feet)	3 - 5 feet
Person	3 - 5 feet

NOTE

- The accuracy of the system and the effective working distance of the system are directly influenced by both the surface of the target and the reflective characteristic of the target.
- If the target "obstacle" is a flat surface that inclines at an angle to the sensor, or a triangular obstacle where the sensor is pointing toward one corner of this triangle, the resulting reading from the sensor may be inaccurate due to this angular positioning. This may result in a non-detection signal. Drivers in these situations should pay more attention while moving their vehicles.