30820 KEY-ID
INSTALLATION INSTRUCTIONS

1. Find the best position for the AKEY-ID@ unit under the dash and securely mount the unit.
2. Please **securely** attach the wires below **IN THIS ORDER:**

A. Black wire goes to chassis ground.

B. Yellow wire goes to Ign.12V power (hot only when key is turned on.)

C. Determine if your vehicle uses a single wire Positive Ground, single wire Negative ground or a Dual wire Negative ground system for the key buzzer. (Most domestic GM cars and light trucks are Dual Negative Ground and have TWO WIRES *normally light green and tan* that are located at one end of the turn signal connector on the steering column). In order to determine which system your vehicle has, you will need to locate the key buzzer itself. While the ignition switch is in the **OFF** position and the key is **NOT INSERTED** use a test light connected to ground and probe both the wires on the buzzer. If neither of the wires has power on it then use the instructions for the Positive trigger system(paragraph 1.)

If one wire has power on it and the vehicle is not a us BUILT GM car then use the instructions for the negative trigger system (paragraph 2.) If the vehicle is a US built GM car then use the instructions for the Dual wire system(paragraph 3.)

1. Positive Trigger/ Single wire: Connect the small purple wire to the key buzzer sensor switch wire as shown in FIG 1. If no key buzzer is available then the purple wire can go to the switched side of any electrical switch that uses constant power (such as the brake light or headlight switch. NOTE: DO NOT USE THE DOME LIGHT CIRCUIT) Whichever switch you choose would then have to be turned on before the vehicle would start. (Green negative trigger wire is not used in either case.)

2. Negative Trigger/ Single Wire: Connect green wire to Key Buzzer Sensor Switch Wire as shown in FIG 2. (Purple positive trigger wire is not used.)

3. Negative Trigger/ Dual Wire: Connect Green Wire to Key buzzer Sensor Switch Wire (*normally light green)* as shown in FIG 3. (Purple positive trigger wire is not used.) Add chassis ground to the door jam sensor switch wire as shown in fig 3. (*normally tan wire next to light green Key Buzzer Sensor Switch Wire.)*

D. Cut starter solenoid wire as shown in FIG 4. Then connect the **large** purple wires coming from module, one to each end of the cut solenoid wire. It does not matter which wire from the module is connected to which wire on the vehicle.

E. Connect the red wire to a constant (hot all of the time) 12V power source.

3. Test the unit for proper operation according to Table 1.

4. **AFTER** the unit has been tested and is working properly, **THEN** install the Bi-color LED light by finding a suitable location for the light and drilling a 17/64 inch (.265) hole in the mounting surface. Place the black LED insert through the front of the hole while pushing the LED bulb into the insert from behind the panel. Please refer to FIG 5.

TABLE 1.

1. Remove the ignition key, get out of the vehicle and make sure all the doors are closed. After approximately 12 seconds the LED light should begin flashing red. **NOTE: IF THE LED LIGHT BEGINS FLASHING GREEN THEN REMOVE THE LED LIGHT FROM IT S HOLDER, TURN THE LIGHT 180 DEGREES AND REINSTALL.**
2. Open the driver=s door. LED should continue to flash red.
3. Insert key into ignition and turn key to the Aon@ position. LED light should turn solid green. On some vehicles the LED will turn green when you first insert the key.
4. Start vehicle.

NOTE: If you have any problems with the operation of the unit please check the following items **BEFORE** you contact Painless Wiring.

A. **DOUBLE CHECK THAT EVERY CONNECTION IS CORRECT AND THAT IT IS SECURELY ATTACHED**.
B. Make sure that the trigger wire is on the correct circuit and on the **key side** of the key buzzer system.