

## WARNING: BEFORE YOU START, READ THESE INSTRUCTIONS CAREFULLY

\* Check the owner's manual of your vehicle and local traffic rules regarding the restrictions on the use of the auxiliary lights.

\* Read the wiring diagram first. If you cannot understand it, do not install the lights yourself, have someone qualified do the installation for you.

\* Do not install this light on the front bumper for those vehicles with air bags, if the owner's manual indicated that it is forbidden. (You may damage the sensor and the air bags.)

\* The lamps become extremely hot while operating, keep them away from the temperature sensitive body parts. Do not touch or wash the lights for at

least 10 minutes after use.

\* 4/20 assumes no liability for any damage caused by improper use and/or installation of its products.

TOOLS NEEDED: Phillips screw driver #2, Pliers, Wire cutter, Drill w/ 5/16" Bits,

## INSTALL THE LAMPS

- 1. Select a mounting location that will give you a maximum beam adjustment range and will not cause any obstruction for your vehicle's normal functions.
- 2. Lay the lamp to its mounting position, aim the lens straight forward or a 0~5 degree to the center to get optimum illumination, mark down the mounting position to the surface.
- 3. You may choose either pendant mounting or upright mounting, for both situations, always keep the "TOP" side upward and the vent opening of the rubber cover downward. (Fig. A & B)
- 4. Install the mounting bracket onto the mounting surface by using the supplied self tapping screws, then bolt the lamp unit to the mounting bracket. (If the brackets are attached to the lamps by the factory, detach them from the lamps before installation.)
- 5. Install the wiring harness according to the wiring diagram.
- With the system on, visually check the light beam, adjust the lamp's angle until a proper light beam position appear, then firmly tighten all screws.

## Fig. A OVER BUMPER UPRIGHT MOUNTING Fig. B UNDER BUMPER PENDANT MOUNTING (FACTORY SET UP)

## INSTALL THE WIRES/SWITCH

- 1. Disconnect the negative terminal of the vehicle's battery. (This may require resetting your radio, clock or other electronic devices when reconnected.)
- 2. Refer to the wiring diagram, lay out the wires through the engine compartment to their proper locations. Hint: Lay the fuse holder as close to the battery as possible. Route the two white wires (18G) through the fire wall to the driver's compartment (use an existing opening or a small hole should be drilled).\*\*
- 3. Find a convenient location near the dash board to mount the switch (Use the vehicle's O.E. installation pad if it's available).
- 4. Follow the wiring diagram, connect all the open-end wires of the harness to the relevant components or positions. Use the wire ties to secure the loose wires so that they would not interfere the vehicle's normal functions.
- 5. Reconnect the negative terminal to the battery and turn on the switch to test the whole system. If both of the lights do not come on, inspect the system in the following series: fuse/ ground wire/ battery connection/ switch/ lamp connection/ relay. Instead of re-installing the whole system, always try to locate the trouble first, then solve the problem by fixing the mistake or replace the defective parts.
- \*\* Before you drill, carefully locate a suitable area where there is no obstruction behind.

