# Cole Hersee Co.

## Daytime Running Light Module (DRL) No. 48600

**For 12 VDC electrical systems only.**

**Important: Read instructions entirely before installing.**

The Cole Hersee DRL module is a fully automatic control that activates two LOW beam headlights in a reduced intensity mode for daytime operation. It is automatically activated, with a ten second delay, by turning the ignition switch to the ON position.

The DRL remains active until one or more of the following conditions occur:

1. Headlights are turned on manually.
2. Parking brake is activated.
3. Ignition switch turned to off.

The DRL function returns when conditions 1, 2 and 3 are removed.

Vehicle Requirements: The DRL module can only be used in vehicles having a 12 volt system. Vehicles **not** suited for DRL operation include those with concealed headlights or headlights that are activated by grounding the low side of the lamp (low side switching). These vehicles include, but are not limited to, the following: Mitsubishi, Hyundai, Toyota, Suzuki, Subaru, Colt, Vista, Challenger and Sapporo. Consult your vehicle dealer or service technician if you have questions.



**Installation:** Prior to installing, check headlamps for normal operation and repair if necessary.

**Mounting:** The DRL module should be mounted in the engine compartment near the battery and one of the headlights. Drill two 1/8 inch holes using the module as a guide. Attach the module with the two #10 screws provided.

**Wiring:** Use the plastic connectors provided or other suitable splices.

**Connecting the wires** (see diagram of typical wiring, page 4).

The **black** wire of the DRL module must be connected to vehicle ground. An easy way is to attach the black wire to the headlight ground wire. Any other vehicle ground may also be used, such as a metal bolt which firmly connects to a metal part of the vehicle chassis. Clean off any rust or paint from the point of contact.

The **white** wire must be connected to the LOW beam feed wire going to the headlight (see diagram, page 4).

The **green** wire must be connected to the HIGH beam feed wire going to the headlight (see diagram, page 4).

The **blue** wire must be connected to the vehicles positive 12 volt side of the ignition coil or a 12 volt wire which is switched on by the ignition. A typical location for the connection is the positive 12 volt side of the ignition coil.

The **yellow** wire is an optional disable for the DRL module. It provides a means for turning off the DRL while the engine is operating and the vehicle is parked and the parking brake is engaged. This wire should connect to the low side (switched side) of the dash mounted brake indicator lamp. Access to this wire is usually available at the low brake fluid pressure switch located near the master brake cylinder or at the parking brake itself. If this function is not wanted, cut off the yellow wire and cover the end with electrical tape.

The **red** wire provides the power for the LOW beam headlights in the dimmed mode. Connect the red wire directly to the battery (positive 12V terminal) or a battery distribution block.

Final Installation Tests

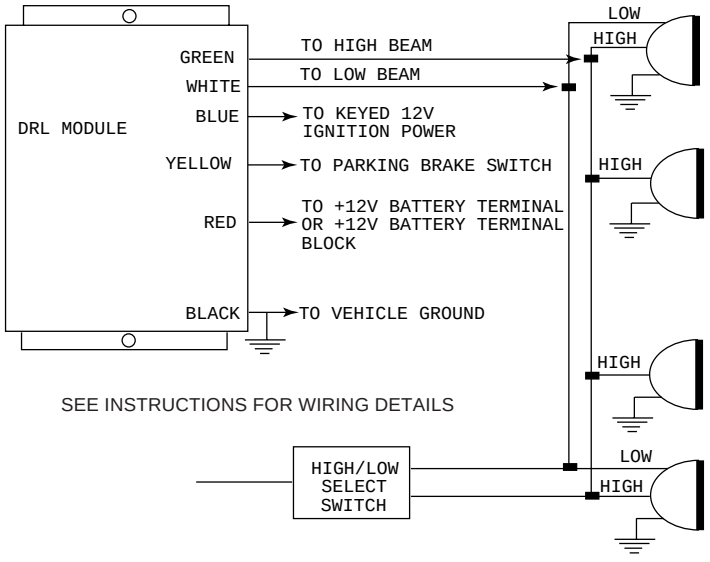
1. Start the engine. Approximately 10 seconds later the LOW beam headlights should illuminate at reduced brightness.

2. If the optional parking brake inhibit feature was installed, test by engaging the parking brake. The LOW beam headlight should go out and immediately relight upon releasing the brake.

3. Test headlights for normal operation by manually turning on the headlights. Exercise the high/low beam switch. Both HIGH and LOW beam lights should operate at normal intensity.

In the highly unlikely event that the electronic power switch in the DRL module should fail, the headlights could remain ON with no way to turn them off except to remove the fuse from the DRL module. If this type of failure occurs, the DRL unit needs to be replaced.



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