



## HID SPOTLIGHT -340 SERIES INSTALLATION INSTRUCTIONS

A460-7675

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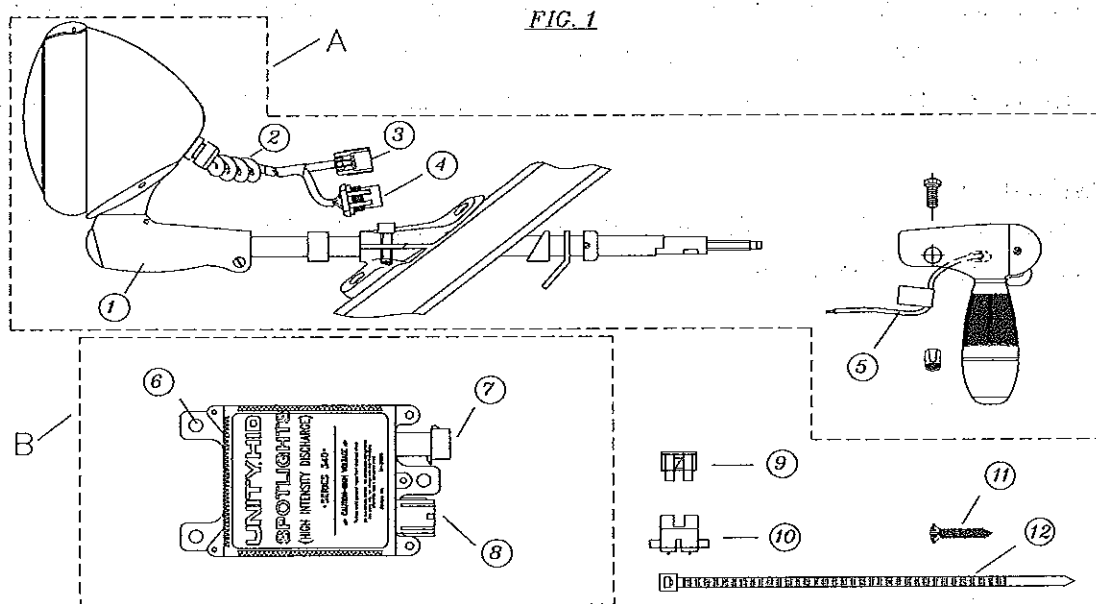
READ ALL INSTRUCTIONS BEFORE PROCEEDING WITH THE INSTALLATION.

PROTECT YOUR EYES – ALWAYS WEAR AMERICAN NATIONAL STANDARDS INSTITUTE (A.N.S.I.) APPROVED SAFETY GLASSES OR GOGGLES WHEN WORKING WITH TOOLS.

**Note:** The installation of HID spotlight includes the following steps: 1) Install bracket and drill shaft hole on vehicle; 2) Install spotlight outer tube and bushing assembly; 3) Install the spotlight into outer tube; 4) Install handle assembly; 5) Mount ballast assembly to vehicle; 6) Electrical hook up; 7) Test. This instruction only covers the procedures for steps 5), 6) and 7) that are different from a regular spotlight installation procedures. For the procedures for steps 1), 2), 3) and 4), refer to a corresponding instruction for your vehicle.

When you receive the HID spotlight, the following items should be included:

- 1) HID spotlight 1 (Box A shown in fig.1, bracket not included)
- 2) Ballast assembly 1 (Box B shown in fig.1)
- 3) Installation kit: a) Fuse (9) 1 b) Fuse holder (10) 1 c) Tapping screw(11) 3 d) Wire tie(12) 1



### A) MOUNT BALLAST ASSEMBLY

1. Locate a proper location for mounting the ballast assembly(6) to make sure that both length in terms of wiring path from the ballast to the spotlight head and from the ballast to the power source are less than eight feet. Otherwise, HID spotlight may not work or not work properly.
2. Using mounting ears on the ballast as guide, spot mounting screw holes with center punch.

3. Drill three .136" dia. holes.
4. Align three holes on the ballast assembly with three mounting holes on the vehicle and secure the ballast assembly with three tapping screws(11) provided.

#### **B) ELECTRICAL HOOK UP**

1. Secure the cable(2) on the spotlight head to head housing(1) using cable tie(12) provided. Be sure to leave enough cable length from head to the head housing for rotating spotlight head.
2. Route the cable(2) to the ballast assembly and plug the connector(3) to connector(8) and connector(4) to connector(7).
3. Insert the lead wire(5) to the hole on one side of the fuse holder(10) provided and lock the lead wire by clamping the fuse holder using pliers. Prepare a 16 or 14 GA lead wire from the positive of power source to fuse holder. A heavier Gage lead wire is recommended to reduce voltage drop that may affect HID performance and the lead wire length should not be made longer than necessary for the same reason. Insert the lead wire to the other side of the fuse holder and clamp the fuse holder to lock the lead wire. Plug the fuse(9) provided to the fuse holder(10). **CAUTION: Reverse polarity connections will blow the fuse instantly and may cause some damage to the inside components.**

#### **C) TEST**

1. To complete the installation, a test of both mechanical and electrical functions is required.
2. The mechanical functions include less than 360° head rotation in both directions, up and down swing and sufficient clearance between the spotlight and vehicle under all conditions.
3. The electrical function is on/off and maintaining electrical continuity throughout the mechanical operation.

#### **D) MAINTENANCE**

All exposed parts of UNITY spotlight are copper, nickel and chrome plated. An occasional coat of automotive wax will keep it in sparking condition.