

Installation of Angel Eye Projectors from American Muscle

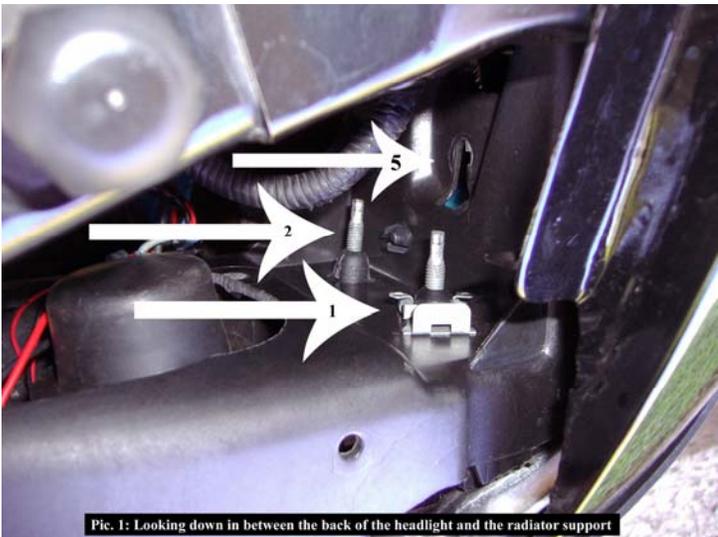
Parts/Tools Needed:

PARTS		Amount Needed
1.	18-22 gauge mid-line wire taps	4
2.	18-22 gauge female spade connectors (optional)	4
3.	18-22 gauge male spade connectors (optional)	4
4.	18 gauge black wire (optional)	1 foot
5.	18 gauge red wire (optional)	1 foot
6.	6 inch Zip Ties	
7.	Electrical Tape (red & black)	

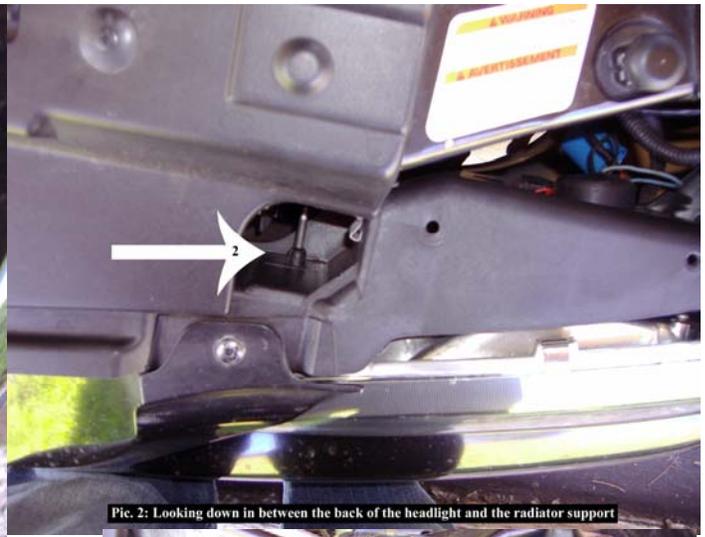
TOOLS	
1.	Dremel or Small Saw
2.	Pliers
3.	Wire Cutters/Strippers
4.	4mm Socket Wrench (for adjustment)

Disassembly:

1. Start on the drivers side; remove the metal clips from behind Original Headlights (Pic.1)
2. Use pliers to push in sides of the 2 plastic clips that will allow you to pull the headlight out. (Pic.1-2) (Note the screws that go through the plastic clips are the Adjuster Screws)



Pic. 1: Looking down in between the back of the headlight and the radiator support



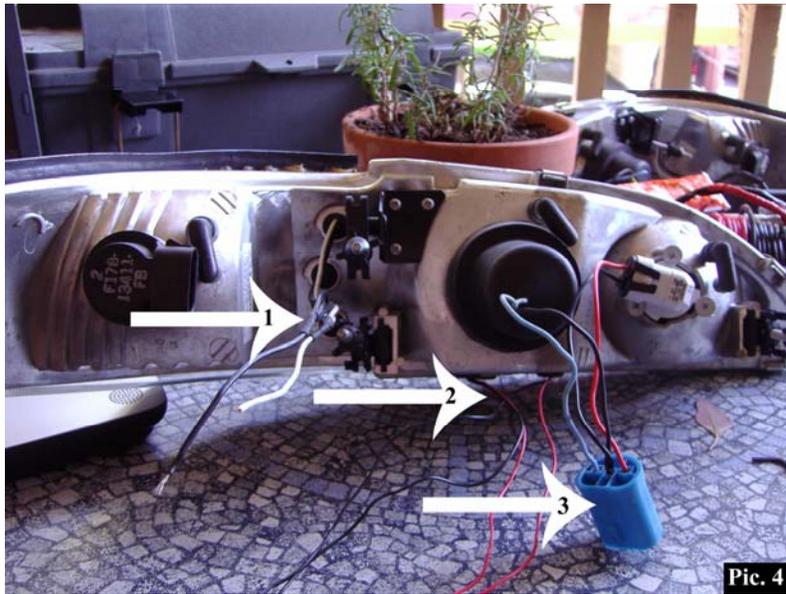
Pic. 2: Looking down in between the back of the headlight and the radiator support

3. Pull the headlight out and remove the electrical connector from the housing.
4. Remove the nut that holds the parking lamp housing (Pic.1) (nut's location shown)
5. Pull the park lamp assembly straight out (direction of arrows in Pic.1&2) and disconnect pigtail.
6. Repeat process for passenger side of car.



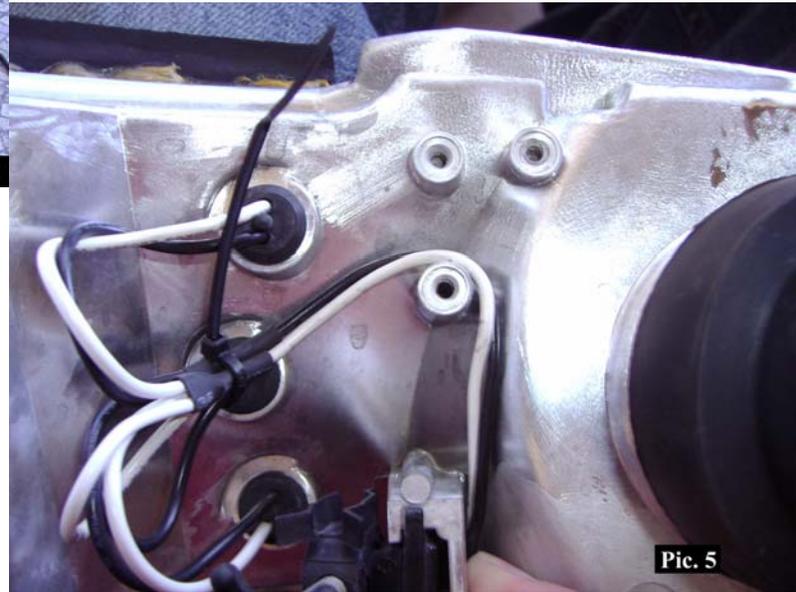
Pic. 3

Preparation for installation:



Pic. 4

7. Must cut headlight retainer housing as shown (Pic.2). This is easily done with a dremel with a cutting bit, or a small saw. BE CAREFUL NOT TO CUT ANY ELECTRICAL WIRES.
8. Pic.4 is the back of the new driver's side projector headlight. In that picture, #1 is the accent lights wires, #2 the halo light wires, #3 the headlight pigtail that plugs in the factory harness.



Pic. 5

9. First we are going to reroute the accent light wires to the halo wires so that they don't get in the way during installation. Reroute as shown in Pic.5. To do this first remove the 3 screws that hold on the metal plate. Run wire as shown and replace the plate. Careful not to pinch the wire with the plate.
10. Zip tie the 2 accent light wires with the 4 halo wires right below the headlight, as shown in Pic.7.
11. Repeat for other side headlight.

Steps 12-17 are not needed but are highly recommended if you intend on removing your headlights at a later date.

12. Group the two **red** wires from the halos and the **white** wire from the accent lights together, strip them and crimp them into a **female** spade connector.
13. Group the two **black** wires from the halos and the **black** wire from the accent lights together, strip them and crimp them into a **male** spade connector.
14. Repeat process for other side headlights.
15. Create two **red** 9 inch extension wires with **male** spade connectors. (Pic.6)
16. Create two **black** 9 inch extension wires with **female** spade connectors. (Pic.6)
17. Pic.7 is what the headlights should look like when they are ready to go into the car.



Pic. 6



Pic. 7

Installation:

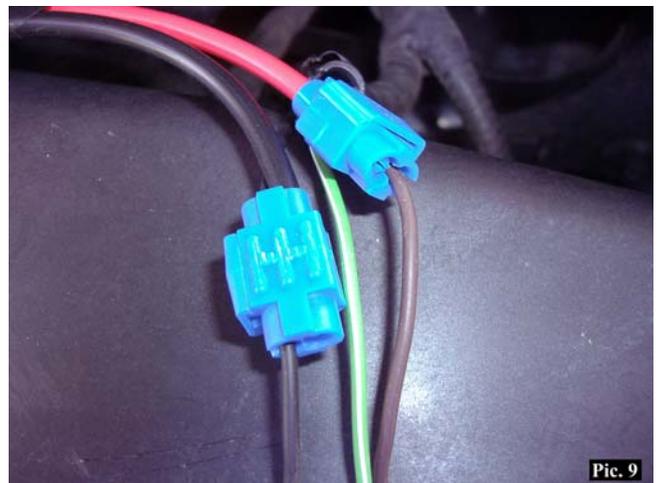
18. Remove the tape and pull back the plastic covering the wires on the park lamp/turn signal pigtail to expose the wires. The brown wire is the positive (+12 volts) when the headlamp switch is in the “park” position. The black wire is the ground wire. (Pic.8)

- 19.
- i. **If you DID steps 12-17**, use a mid line wire tap (blue piece in Pic.9) connect one of the **red** extension wires to the **brown** wire about 6 inches back from the pigtail connector. (Pic.9)
 - ii. **If you DID NOT steps 12-17**, directly tap the two **red** halo wires and the **white** accent light wire to the **brown** wire.

- 20.
- i. **If you DID steps 12-17**, use a mid line wire tap (blue piece in Pic.9) connect one of the **black** extension wires to the **black** wire about 6 inches back from the pigtail connector. (Pic.9)

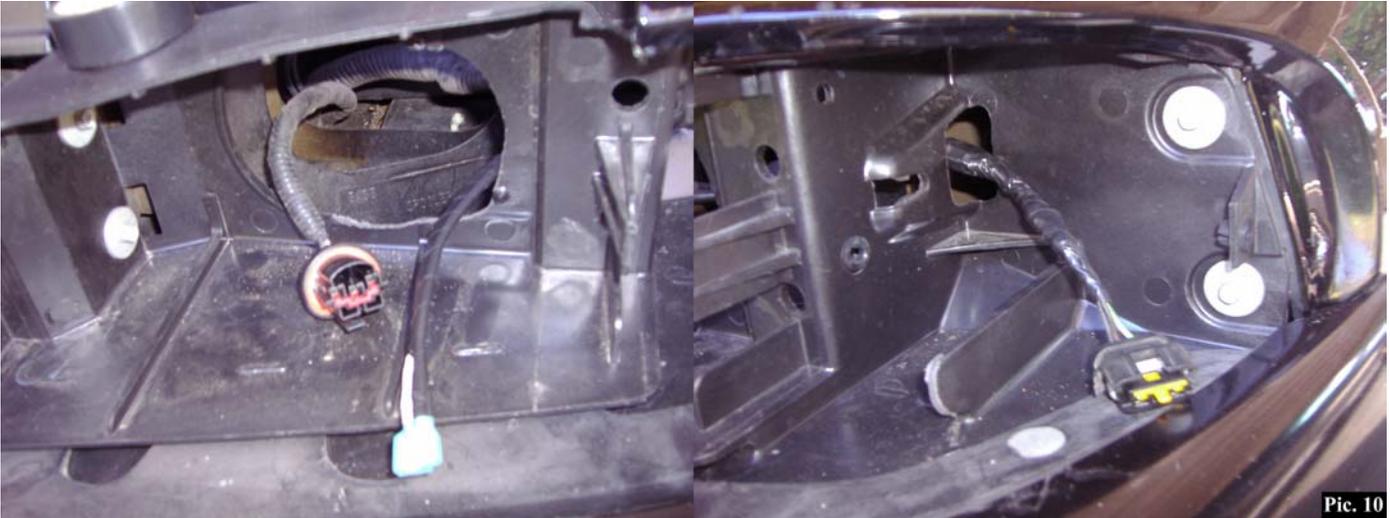


Pic. 8



Pic. 9

- ii. **If you DID NOT steps 12-17**, directly tap the two **black** halo wires and the **black** accent light wire to the **black** wire.
21. Route wires as shown in Pic.10. Be sure to properly tape the wires so that no wire or wire tap is directly exposed.



22. Connect factory headlight pigtail to the projectors pigtail (Pic.11)
23. If you did steps 12-17, connect the two spade connectors together. Make sure that you connect the **red** to the **red**, and the **black** to the **black** (Pic.12)
24. Connect the factory park lamp/turn signal pigtail to the connector.
25. Push the headlamp into the headlamp housing. Make sure that the adjuster screws go into their holes.
26. Repeat steps 18-25 on passenger side of car.
27. Adjust headlights

