



<b>HID Installation Instructions</b>	<b>Rev. A</b>	<b>Page 1 of 11</b>
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<b>Assembly Step</b>	<b>Tools/ Parts</b>	<b>Detailed Instructions</b>	<b>Picture/ Illustration</b>
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**READ FITTING INSTRUCTIONS IN FULL BEFORE INSTALLATION**


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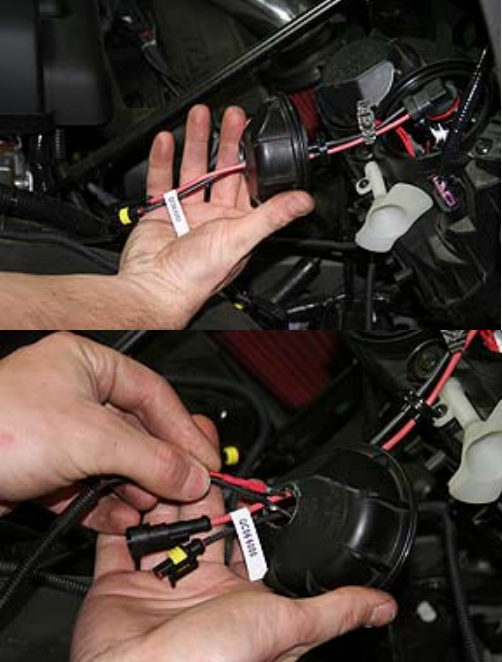
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Assembly Step	Tools/ Parts	Detailed Instructions	Picture/ Illustration
<p>1. Prepare Car For Install</p>		<p>a. Open hood.                      b. Disconnect battery.                      c. Battery can be disconnected at terminal or directly at the battery in the engine bay on the passenger side.</p>	
<p>2. Remove Low Beam Cap</p>		<p>a. Locate low beam back cap on headlight assembly.                      b. Note: The low beam cap will be the cap closest to the side of the car, opposed to the center of the car.                      c. Twist and remove from headlights.                      d. Once cap is removed you should see the stock Halogen bulb.</p>	
<p>3. Remove Stock Headlight Bulbs</p>		<p>a. Twist headlight bulb and remove it like you did with the low beam cap.                      b. Once bulb is removed, disconnect the clip on the back of the bulb and set the old bulb aside.</p>	

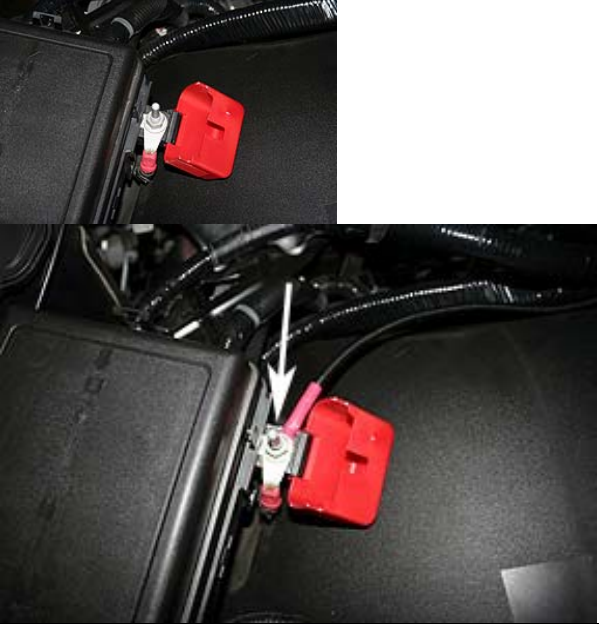
Assembly Step	Tools/ Parts	Detailed Instructions	Picture/ Illustration
<p>4. Install New HID Bulb</p>	<ul style="list-style-type: none"> <li>Needle Nose Pliers</li> </ul>	<p>a. Locate the 3 tabs on the new bulbs.</p> <p>b. Using needle nose pliers; grab each tab and bend it towards the base of the bulb.</p> <p>c. Once tabs are bent, install bulb by placing it in housing and twisting it so that it locks into place.</p>	


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<p>5. Drill Low Beam Cap</p>	<ul style="list-style-type: none"> <li>• Drill</li> <li>• 3/4 Drill Bit</li> </ul>	<p>a. Using a 3/4 bit, drill the back of the cap as shown so that the wires may pass through it.</p> <p>b. Note: Hole will be sealed with a rubber grommet.</p>	
<p>6. Feed Wires Through Low Beam Cap</p>		<p>a. Insert wires from bulb into hole in low beam cap.</p> <p>b. Insert metal ends from wire adapter into hole on low beam cap.</p>	


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<p>7. Plug Bulb and Ballast In</p>		<p>a. The factory halogen bulb is not affected by polarity. Because of this the factory wires on the grey plug are not marked positive and negative.</p> <p>b. On an HID kit polarity does matter so you will need to figure out which wire is positive and which is negative. You can do this through trial and error or with a multi meter.</p> <p>c. Once the polarity has been distinguished, plug metal ends from wire adapter into gray plastic plug.</p> <p>d. Plug male and female connectors from the bulb into the appropriate male and female connectors from the ballast.</p>	

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8. Re-install Plastic Caps		<ol style="list-style-type: none"> <li>a. Push rubber grommet in place so that the hole drilled in the plastic low beam cap is sealed.</li> <li>b. Put plastic cap in place and twist so that it locks.</li> </ol>	
9. Mount Ballasts	<ul style="list-style-type: none"> <li>• Clean Rag</li> <li>• Rubbing Alcohol</li> </ul>	<ol style="list-style-type: none"> <li>a. Using a clean rag and rubbing alcohol, clean the back of the ballast and the outside edge of the front frame rail near the front fender liner.</li> <li>b. Remove backing from one side of the 3M adhesive pad and place pad on back of ballast and apply firm even pressure.</li> <li>c. Remove the backing from the other side of the adhesive pad, place ballast in specified</li> </ol>	

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		<p>location and apply firm even pressure.</p>	
<p>10. Install Relay Harness</p>	<ul style="list-style-type: none"> <li>• Wrench</li> <li>• Relay Harness</li> </ul>	<ol style="list-style-type: none"> <li>a. Locate positive battery terminal on car.</li> <li>b. Open red plastic cap on positive terminal.</li> <li>c. Remove the nut from the threaded post.</li> </ol>	

<b>Assembly Step</b>	<b>Tools/ Parts</b>	<b>Detailed Instructions</b>	<b>Picture/ Illustration</b>
		<p>d. Place positive end (marked with red) of the wiring harness on the post and secure with the nut you just removed.</p> <p>e. Repeat steps a-d with the ground wire (marked with black) in the shown location.</p>	

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<p>11. Connect Relay Harness to Ballast</p>		<ul style="list-style-type: none"> <li>a. You will notice the relay harness has 4 remaining wires with connectors at the end of each.</li> <li>b. 2 of the wires should be significantly longer than the other 2.</li> <li>c. Route the longer wires to the driver side of the car and the shorter wires to the passenger side.</li> <li>d. Plug the male connectors into the ballasts.</li> </ul>	

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		<ul style="list-style-type: none"><li>e. Plug the female connectors into the male connectors that remain.</li><li>f. Secure all the loose wires so that they won't get caught, pinched or melted.</li></ul>	

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12. Test Lights		<ul style="list-style-type: none"> <li>a. Re-attach battery and turn on the lights.</li> <li>b. If they both work, double check that all loose wires are secured with zip ties so that they do not get caught in the hood hinges.</li> <li>c. If one of your lights does not work, check all the connections and wires and then contact Kappasphere at (951) 296-6762</li> </ul>	