



HIGH INTENSITY DISCHARGE (HID) LAMP INSTALL



P/N: 10-8002-C11670C

SALEEN

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***IF YOU ARE NOT EXPERIENCED IN THE
AREA OF AUTOMOTIVE MECHANICS, WE
STRONGLY URGE THAT YOU REFER THIS
INSTALLATION TO A CERTIFIED INSTALLER
OR TECHNICIAN***



Saleen Speedlab High Intensity Discharge (HID) Headlamp Kit Installation Guide for 2005 Mustang

Thank you for buying the Saleen High Intensity Discharge (HID) Headlamp Kit for the 2005 Mustang. We appreciate your business, and we hope you enjoy your product.

For your benefit, please read the following instructions completely and thoroughly before attempting to install the HID kit. Many questions we have received from customers about the installation of our products could have been easily solved by information listed in the accompanying installation guide. We want you to enjoy the product in its fully functional state.

Again, thank you for choosing Saleen!



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Obtain the following tools

- 1/4" drive ratchet
- 1/4" drive 5.5 mm shallow socket
- 1/4" drive 8 mm socket
- 1/4" drive 10 mm deep socket
- 1/4" drive 10 mm shallow socket
- 1/4" drive 10 mm shallow wobbly socket
- 1/4" drive 1/8" Alan tool
- 1/4" drive 3/8" deep socket
- 1/4" drive 8" extension
- 1/4" drive Short Phillips #2 bit
- Panel puller
- Drill
- Drill bit 1/4"
- Drill bit 1/8"
- Panel puller
- Phillips head screw driver 10" long shaft

Part Number	Descriptions	Qty
00-9011-C11360*	SCREW, BUTTON HD SOCKET CAP SCREW, 18-8 SS, 10-32X1.25"	5
00-9003-C11359*	LOCKNUT, NYLON 18-8 SS, 10-32	5
06-1202-C11361A	SPACER, BALLAST 1/2" PLASTIC	2
06-1202-C11362A	SPACER, BALLAST .75" PLASTIC	3
06-1202-C11319A	HARNESS, HID 2005 MUISTANG	1
06-1202-C09903A	HEADLIGHT, BI-FUNCTION HID 5 3/4" RH KIT	1
06-1202-C09904A	HEADLIGHT, BI-FUNCTION HID 5 3/4" LH KIT	1
00-9001-C07636*	CAPSCRW BUT HD M6x1x16mm SS	1
069-700	4" Zip tie	10
069-310	SCREW PAN HD PHIL SELF DRIL 410 SS #8-18x1/2"	2
00-1202-C11457*	COVER, HID BALLAST FOR 05 MUSTANG	2

I Front Fascia Removal

Tools need:

- 1/4" air ratchet, or drive ratchet
- 5.5 mm shallow socket, 1/4" drive
- Short Phillips #2 head socket, 1/4" drive
- 10 mm shallow wobbly socket, 1/4" drive
- 8" extension, 1/4" drive

1. **Keep all hardware you remove.**
2. Starting on the left side of the car remove the three screws from each wheel well using the 1/4" air ratchet with the short Phillips #2 socket. See figure 1 for location of screws. **NOTE:** Be sure to keep the Phillips head screws, as they will be reused when installing.
3. Once the screws are removed, pull the fender liner out enough (see figure 2) to insert a 10 mm shallow wobbly socket on an 8" extension. Use the 1/4" air ratchet or drive ratchet to loosen the two hex swivel nuts. **NOTE:** Make sure to keep the hex swivel nuts because they will be used when installing the new fascia. Figure 3 is a different view of figure 2 with the bolts removed.



Figure 1

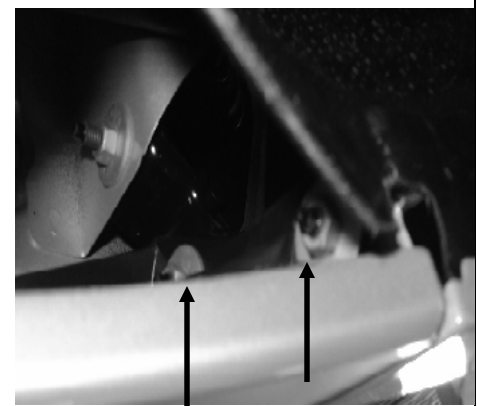


Figure 2



Figure 3

4. Underneath the front fascia (Figure 4), there are four screws that need to be removed. Use the $\frac{1}{4}$ " drive air ratchet with a 5.5 mm shallow socket.
5. Remove the bolt shown in Figure 5. There are two of these bolts. Use the $\frac{1}{4}$ " drive air ratchet with a 10 mm shallow wobbly socket.
6. Repeat steps 1 and 2 on the right side of the car.
7. Remove the fascia by placing the palm of your hand (see Figure 6 for location) and push down until the fascia loosens. See Figure 3. Let the fascia set on the front frame in order to disconnect harnesses.

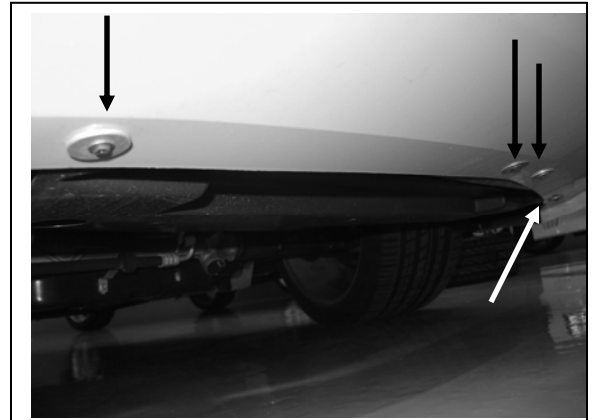


Figure 4



Figure 5



Figure 6

8. Disconnected the running lights, fog lights, and side markers. Figure 7 is the fog light connector and Figure 8 shows both the turn signal and side marker. Figure 9 shows a close up of the running light/turn signal connector. Let the connectors hang until the fascia is ready to be reinstalled.

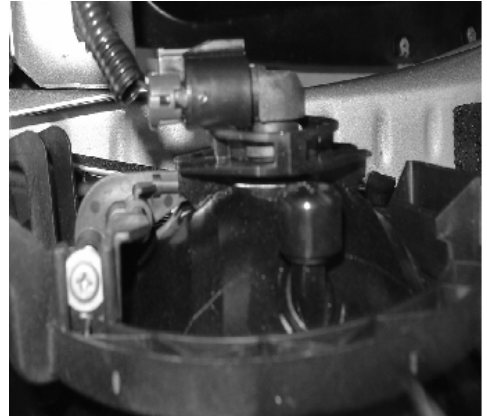


Figure 7

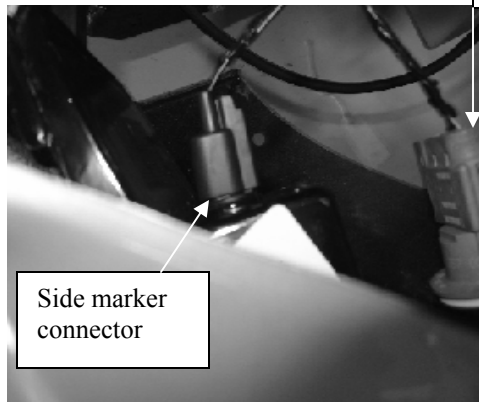


Figure 8

Turn signal
connector

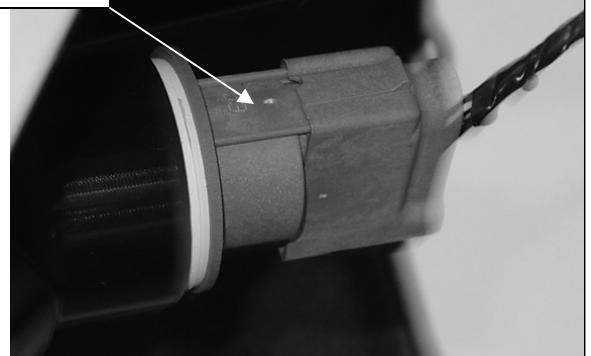


Figure 9



II Remove Shroud

Tools needed:

- Panel puller

1. Remove 6 pushpins. Make sure to keep the pushpins because they will be reused when reinstalling the shroud.



Figure 1

III Stock Headlamp Removal

Tools needed:

- Air ratchet or drive ratchet, 1/4" drive
- 10 mm shallow socket, 1/4" drive
- 8" extension, 1/4" drive
- Foam tape

1. Tape off the corners of the bodywork so it doesn't scratch the lens during installation. Leave tape on until new headlamps are fastened.

2. Remove three screws, 1 on the top and 2 on the bottom (Figure 1) of the stock headlamp using a 10 mm shallow socket with a 1/4" air ratchet or drive ratchet. See figure 2 & 3 for a close up. **Make sure to keep the hardware it will be reused.**

3. Using the panel puller remove push screw from the top of the headlight next to screw. There is one on each headlamp. (Figure 2) **Make sure to keep the push screw it will be reused.**

4. Unclip wiring harness from back of headlight. Make sure to cap off the passengers side plug from the main harness. The connector on the driver side will plug into the new wire harness.



Figure 1

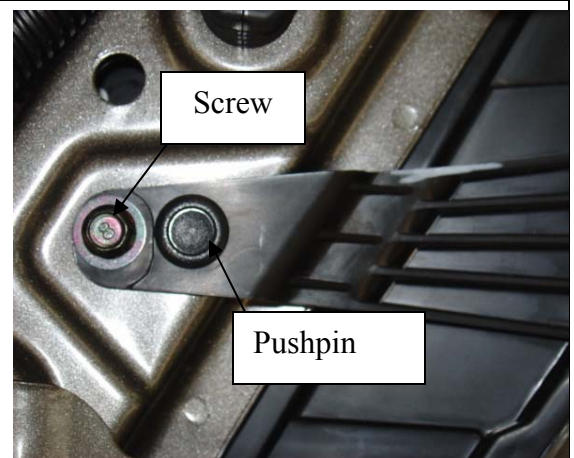


Figure 2



Figure 3

IV Ballast Installation

Tools needed

- 1/4" drive 1/8" Alan socket
- 1/4" drive 3/8" deep socket
- 1/4" drive 10 mm shallow socket
- 8" Extension, 1/4" drive
- 1/4" drive ratchet
- Panel puller
- Drill
- Drill bit 1/4"
- Drill bit 1/8"

Part Number	Descriptions	Qty
00-9011-C11360*	SCREW, BUTTON HD SOCKET CAP SCREW, 18-8 SS, 10-32X1.25"	5
00-9003-C11359*	LOCKNUT, NYLON 18-8 SS, 10-32	5
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06-1202-C11362A	SPACER, BALLAST .75" PLASTIC	3

1. Remove the fender liners. Figure 1 is an over view where the push screws are located. Figures 2 and 3 are close ups. Use the panel puller to remove push screws.



Figure 1



Figure 2

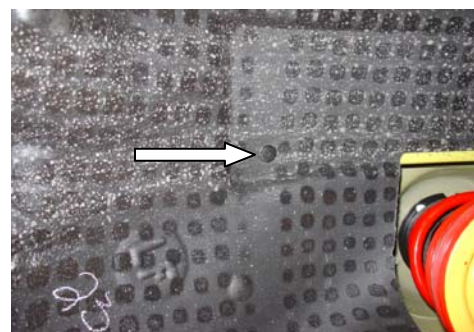


Figure 3

2. From the wheel well drill holes to mount the ballast. Disconnect the ballast from the headlamp and use it as a template. Figure 4 shows the passenger side of the car. The critical hole is labeled in Figure 4. When marking the other two holes makes sure the ballast is level before marking your holes. Use a drill gun with a 1/4" drill bit and drill the holes out

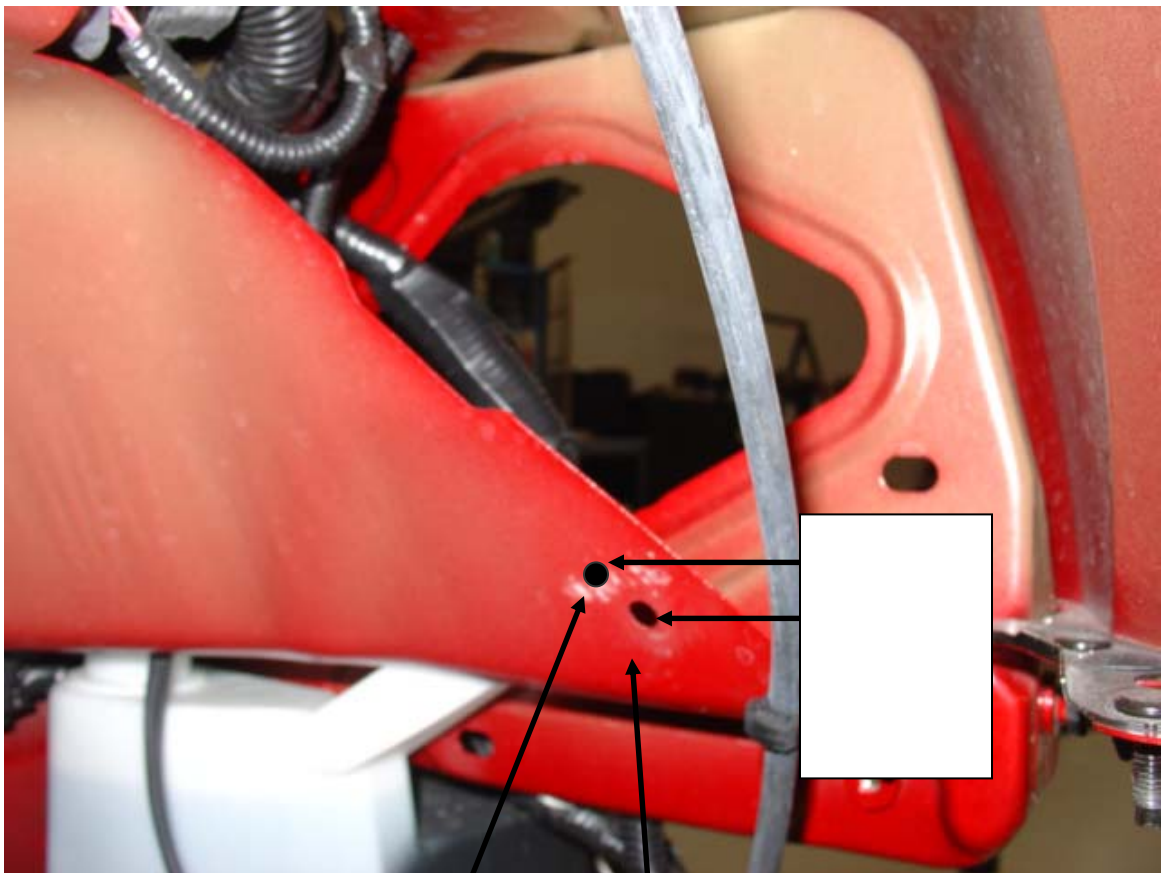


Figure 4

Existing hole

3. Remove the cover that is attached to the ballast. It sets flush against the fender wall to prevent any rattling. Align the spacers in the proper locations (P/N 00-1202-C11362*, and 00-1202-C11361*) then fasten the ballast down using part numbers 00-9003-C11359*, and 00-9011-C11360*. Figure 5 shows the ballast in the proper location. Figure 6 shows the mounting locations for the hardware. Make sure the locknut is facing the headlamp. If it is reversed the screw will push against the fender liner.

4. The left side (driver side) is done in the same way as the passenger side except the ballast is flipped, and there are only two fastening points. See figure 7 and 8. Figure 7 shows the result and figure 8 shows the two fastening points and orientation of the ballast.



Figure 5



Figure 6



Figure 7



Figure 8

Groove

V HID Wire Harness Installation

Tools needed:

- Panel puller
- 1/4" drive ratchet
- 1/4" drive 10 mm deep socket
- 1/4" drive 8 mm socket
- 1/4" drive 1/8" Allen tool
- 1/4" drive 3/8" deep socket
- 1/4" drive 8" extension

Part Number	Descriptions	Qty
06-1202-C11319A	HARNESS, HID 2005 MUSTANG	1
06-1202-C09903A	HEADLIGHT, BI-FUNCTION HID 5 3/4" RH KIT	1
06-1202-C09904A	HEADLIGHT, BI-FUNCTION HID 5 3/4" LH KIT	1
00-9001-C07636*	CAPSCREW BUT HD M6x1x16mm SS	1
069-700	4" Zip tie	10
069-310	SCREW PAN HD PHIL SELF DRILL 410 SS #8-18x1/2"	2



Figure 1

1. Figure 1 is an overview of the routing of the wire harness.
2. The ground and the positive lead are at one end of the harness. The positive lead (red wire with ring terminal) gets attached to the fuse box (Figure 2). Figure 3 shows a close up. Use a $\frac{1}{4}$ " drive ratchet with a 10 mm socket and install the ring terminal.
3. The ground (black wire with ring terminal) will be connected next to the fuse box. Use the 10 mm socket with, $\frac{1}{4}$ drive with an 8" extension to fasten the ring terminal down. See figure 4. You will have to move the plastic tubing out of the way.



Figure 2



Figure 3

Fasten ground under this screw



4. Use an existing screw in the body (Figure 5a) to fasten the relays. Use the 10 mm socket with the 8" extension to remove the screw. A new screw will be used to fasten down the relays. Connect the relay housing by the, inter locking system then unplug the circuits. Fasten down the relay housing using P/N 00-9001-C07636*, and then reconnect the relay.
5. Figure 5b shows the fuses. Use P/N 069-310 to attach the fuses. First make a pilot using a 1/8" drill bit. Line up the fuses and fasten them down.
6. See Figure 6 for attachment of the wire harness to the ballasts, and headlamp.
7. Zip-tie the new harness to the stock harness. Follow each curve (figure 7). Make sure to cut all zip ties flush to the fastening side.

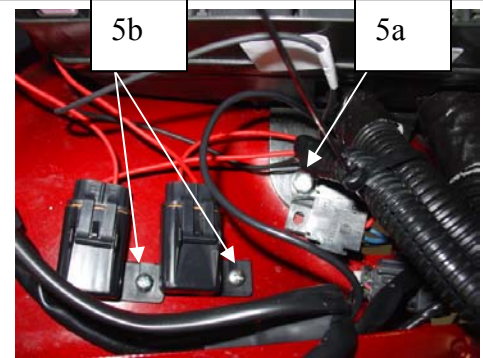


Figure 5a

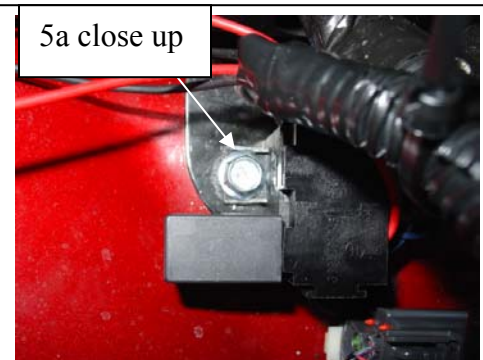


Figure 5b

8. Plug #2 (Figure 6) comes off the new wire harness and attaches to the ballast, and plug #5 (Figure 8) comes off the headlamp and attaches to the ballast. Both passenger and driver sides are the same.
9. Plug #3 (Figure 7) comes from the wire harness and plug #4 (Figure 8) comes from the back of the headlamp. These two are attached on both the driver and passenger sides.
10. Plug #1 (Figure 7) comes from the new wire harness and attaches to the stock connector that was attached to the original headlamp. This is only on the driver side. The plug that attached to the stock headlamp is extra and needs to be capped off.
11. Zip-tie the new harness to the stock harness. Follow each curve. Make sure to cut all zip ties flush to the fastening side.
12. The stock plug that attached to the passenger's headlamp will not be used. It needs to be capped off.

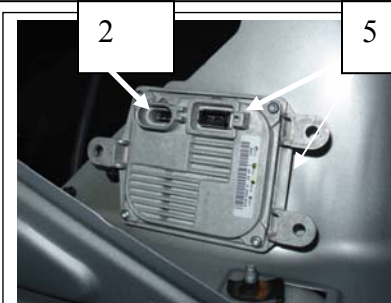


Figure 6

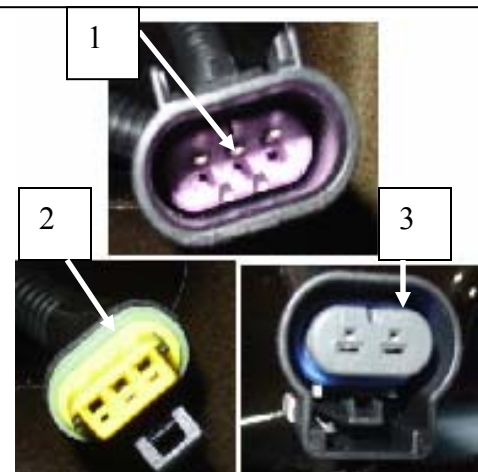


Figure 7

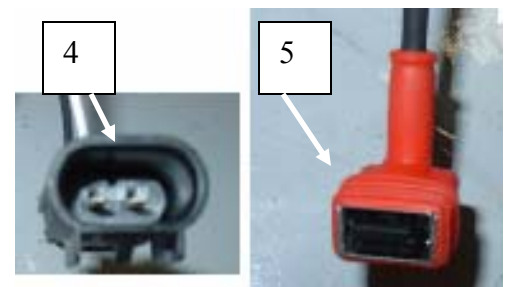


Figure 8

VI Headlamp Alignment

Tools needed

- Phillips head screw driver
10" long shaft

1. Park the vehicle 25ft from a flat white aiming wall on a flat level surface.
2. Ensure the wall makes a 90-degree angle with the floor and the car is facing the wall.
3. Measure the vertical distance from ground to the center of the HID bulb.
4. Mark a horizontal line on the aiming wall at the same height as the center of the bulb (Figure 2).
5. Turn the vertical adjuster knob (Figure 1) until the top of the beam pattern (the "cut-off"), is just below the horizontal line drawn in step 4 (Figure 2). The vehicle adjustor knob is located on the back of the headlamp. See figure 1.
6. The headlamps are now properly aimed.



Figure 1

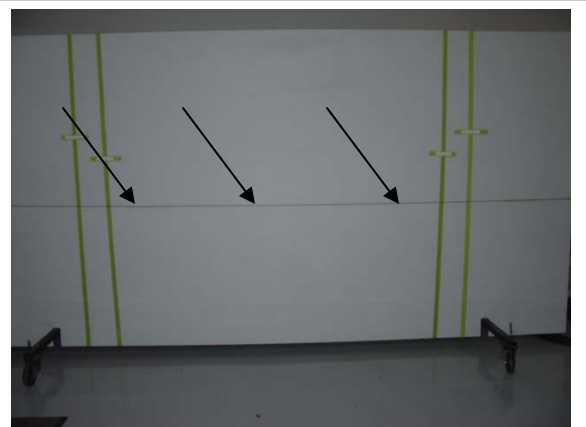


Figure 2