

STARKEY

PRODUCTS

2013-2014 Ford Mustang Puddle Lamp Kit

<u>Parts List:</u>	<u>Quantity:</u>	<u>Tool List:</u>
LED Lamps	2	• Flat head screwdriver
Seals	2	• Ratchet & Socket set OR
Nuts	2	• Adjustable Wrench
PB-3590 Parts Bag	1	• Small knife

Thank you for purchasing one of our products. Please familiarize yourself with the parts included as well as the instructions before attempting installation. Please seek the help of a certified technician if you feel unable to complete the installation safely and properly. Failure to read and follow the instructions below may result in personal injury or damage to property. Starkey Products, Inc. and our retailers assume no liability for failures to comply with guidelines and warnings outlined in this instruction manual.

For additional tips and tricks, visit our website to watch the installation video for this product!

Removing the Side View Mirrors:

Removing the interior door panels is NOT necessary. Before beginning the steps below, turn off the car, remove key, and engage the emergency brake.

1. Using a flat head screw driver wrapped in a rag, carefully pry up on the access cover seen in picture 1 to loosen it. It is held on by clips that will easily pop off.
2. There are 3 11mm nuts holding each mirror on. Carefully remove them. Be sure you have a hand on the mirror so it doesn't slip off and also keep a tight grip on each nut so you don't drop it inside the door panel.
3. After removing the first side view mirror, repeat the process on the other side of the car.



#1
Pry off access cover. Be gentle and cautious when doing so.



#2
Remove the 3 - 11mm nuts holding mirror on. Don't drop the nuts!



#3
3 Retaining tabs (circled) hold the mirror glass in place.

Removing the mirror glass:

See picture 3 above to get an idea of what the mirror looks like once the glass has been removed. There are three retaining tabs that hold the mirror glass in place (circled above). Take your time during this to prevent damage to the mirror or glass. Use gloves or a shop towel to protect your hands and to keep from scratching the glass.

1. Each tab needs to be disengaged one at a time. We will disengage the top retaining tab first. Position the mirror glass facing down and toward the car (as if it were attached). Moving the glass manually will not damage the motor or mirror.

2. Use a flat head screw driver to ‘pop’ off the first retaining tab. See picture 4 below.
3. Now position the mirror carefully so you can see the 2 retaining tabs on the bottom of the mirror. Be careful when adjusting the mirror so that you don’t clip the top retaining tab back into place. See picture 5 for a view of the bottom of the drivers side mirror, outboard side. See picture 6 for another view.
4. Repeat the glass removal on the opposite side-view mirror.



Shows top retaining tab. Insert flat head screw driver here to release tab.



View of Drivers side mirror, bottom. Outboard (left) retaining tab.



Bottom view of Drivers side mirror. Arrows point to 2 of 3 retaining tabs.

Drilling & Mounting Puddle Lamps:

Next we will need to drill an 11/16” hole in each mirror to mount the lamps properly. Take your time during this part of the installation. A drilling template has been including with the kit. We strongly suggest using this template to insure the mirror continues to have full range of movement. If you decide to mount the lamp in another location, be sure it will not interfere with the movement of the mirror.

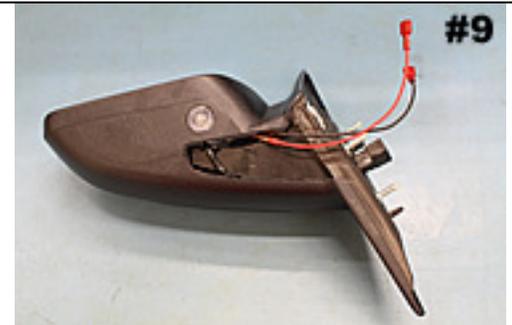
1. Locate the template placard including with the kit. The 2 rectangular boxes will need to be carefully cut out with scissors. Each one is marked for ‘Driver Side’ or ‘Passenger Side’.
2. Tape each template onto the underside of the mirror. Painters tape is usually best. You will see a similarly shaped indentation in the plastic. You can see this shape on the bottom right hand corner of picture 6. This is the area that factory Ford puddle lamps are mounted and the area we will mount our puddle lamps.
3. Using an 11/16” drill bit, drill a hole where indicated on the template. Take your time to insure accuracy. If the template is not taped down well enough it will move. See picture 7. Repeat the process on the other mirror.
4. Remove the long rectangular access cover on the bottom side of each mirror. This can be carefully pulled up from the inside edge. See picture 8.
5. Run the wiring from one of the puddle lamps up through the bottom of the mirror and secure it with the supplied white nut. Then route the wiring as shown in picture 9.
6. Re-install the long rectangular access cover on the bottom side of each mirror.



Bottom of driver side lamp with drilling template attached.



Remove the rectangular access cover on the bottom of each mirror.



Mount the lamp using the white nut provided, then route wiring as shown.

Connecting the wiring:

Now that we have installed the puddle lamps in each mirror, it is time to re-install the mirror and connect the wiring. Do not re-install mirror glass until we have tested the puddle lamps for proper function.

1. Route puddle lamp wiring into the passenger compartment through the large round hole located at the bottom of the A-Pillar where the mirror attaches. This is the same hole the large square electrical connectors goes through. See picture 10.
2. Re-attach the side-view mirrors with the 3 nuts for each side.
3. Using one of the supplied red wire taps, slide the **Purple** wire (Pin #5) onto the wire tap. See picture 11 below. The wire should sit in the middle of the two teeth. Squeeze down on the wire tap making sure it snaps closed. Do not cut Wire!
4. Plug the **Red** wire from the puddle lamp wiring into the back of the wire tap connected to the Purple wire. See picture 12 below.
5. Using the second red wire tap, repeat the process by sliding the **Black** wire (Pin #7) onto the wire tap and closing the wire tap. Please note: On the driver side, the wire is solid Black. On the passenger side, the wire is Black with a Yellow stripe. Also, you'll find that there are two Black (or Black/Yellow on the passenger side) wires for each mirror. You can tap into either wire as they are both ground wires.
6. Plug the **Black** wire from the puddle lamp wiring into the back of the wire tap connected to the Black wire.
7. Re-connect the factory connector.
8. Repeat the process on the other side of the vehicle.



Lamp wiring goes through same hole as the mirror's electrical connector.



Slide wire into place and close wire tap firmly.



Plug correct wire into the wire tap as indicated in manual.

Final Installation:

1. Double check everything to make sure it was connected properly. Test the puddle lamps to make sure they both come on and off properly. This can be done by unlocking/ locking the doors with your key fob. If the lights do not come on, visit the trouble shooting guide.
2. Be sure that the 11mm bolts have been re-tightened adequately.
3. Re-install interior access covers on each side. Remember to re-connect the wiring for the side-view mirror control switch on the driver's side.
4. Re-install mirror glass. To Re-attach the glass, position the glass inside the mirror housing and firmly but carefully press down on the center of the glass. Then, manually rotate the mirror in all directions while pressing down to insure all the clips lock back into place.
5. Enjoy your new puddle lamps! The puddle lamps will activate anytime the doors are locked or unlocked. The puddle lamps will also come when getting in and out of your Mustang. They will dim automatically with the factory vehicle lighting.

Trouble shooting guide:

Lamps won't turn on –

- Check to make sure you connected wire taps to the correct wires outlined in the “Connecting the Wiring” section above. This is the MOST common mistake made during installation. There are many similar color wires so be sure you tapped into the proper wires.
- Lamps will not come on when the car is running and the door is closed. Make sure the vehicle is off and your door is open.

Side-view mirror motors no longer operate with the switch –

- Check to make sure you plugged all factory connectors back into each mirror AND back into the switch located on access cover we removed from the driver's side earlier on.

If you are still having trouble with your product, please contact us for technical assistance. Tech support is available via phone Monday through Friday 9am-5pm. Email tech support is available during regular business hours as well as weekends, holidays, and evenings.

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Limited Warranty:

This warranty covers defects in materials or workmanship in any component sold by Starkey Products, Inc. or its authorized dealers. Warranty is effective for five years from the date of purchase. Coverage terminates if you sell or transfer ownership of the product. Starkey Products will repair or replace the defective or malfunctioning product or any defective or malfunctioning part thereof at no charge. This warranty covers parts and labor only. This warranty does not cover any problem that is caused by abuse, misuse, acts of God, or improper installation. Any modification or alteration to any component will void the product warranty. Warranty does not cover wear that any components receive through the normal course of operation and use (including but not limited to bulbs). All warranty claims require proof of purchase.