

STARKEY

PRODUCTS

2005-2014 Ford Mustang Turn Signal Hood Kit

<u>Parts List:</u>	<u>Quantity:</u>	<u>Tool List:</u>
Bracket & pre-installed lamp	2	• Flat head screwdriver
Wiring harness	1	• Phillips screwdriver
PB-3460 Parts Bag	1	• Ratchet & Socket set
		• Pliers

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.

Mounting the Turn Signals:

Before beginning the steps below, turn off the vehicle, remove key, and engage the emergency brake. Our brackets are designed to mount to factory GT heat extractors and sit directly behind the mesh vent. The brackets will also fit aftermarket heat extractors with trimming sometimes required.

1. Open hood of car and make sure hood is held open securely.
2. Remove the push pins holding the hood insulation pad in place circled in picture 1. The pins are ribbed so you'll have to pry them out with a flat head screwdriver. Note – if you have clear access to the underside of the heat extractors, you can skip this step.
3. Locate the correct lamp for the side you plan to work on first. The lamps come pre-installed on the brackets so that all you have to do is attach the bracket to the heat extractor. Hold the lamp/bracket in place while looking at it from the topside of the heat extractor so you can decide which slot you want to install it in. See picture 2. Note: If you have aftermarket heat extractors and trimming is required, carefully trim the underside of the vent as needed before continuing.

At this point you want to have a very good idea of where the lamp needs to be placed. In the following steps we will prep the surface and apply an adhesion promotor to ensure a strong bond. Once the bracket is attached, it will be difficult to move so you want to be sure of the placement.

4. Put on a set of protective gloves.
5. Use the included alcohol prep pad to wipe the surface down where the bracket will be attached. 3M™ Adhesion Promoter 06396 is supplied in an easy-to-use sponge applicator packet. Hold packet upright and avoid squeezing an opened packet to prevent spillage of liquid contents. The packet can be opened by tearing across the top of the packet at the notches. This will expose the sponge applicator. Do not remove the sponge or squeeze a freshly opened packet. Handling the bottom section of the packet should enable application of adhesion promotor with no mess.
6. Apply a thin, uniform coating to the general area on the underside of the heat extractor where the VHB tape will be applied. Wait 30-90 seconds for the coating to dry completely.
7. Peel off the tape backing and carefully place the first bracket onto the heat extractor. Be sure to press down firmly on the back of the bracket to make sure it adheres properly. REMEMBER – once you place the bracket, it cannot be easily removed.
8. Repeat the process on the other side. See picture 3 for a view of the lamp installed.



Remove circled pins. Route wiring along dashed line.



Hold lamp in position to confirm proper placement before attaching.



Shown is the passenger side turn signal mounted to the heat extractor.

Connecting the Wiring:

Familiarize yourself with the wiring harness included with the kit. Locate the two gray connectors that plug into each turn signal lamp.

1. Plug the gray connectors into the corresponding turn signal lamps.
2. Route the wiring under the hood insulation down toward the passenger side. See the dashed line in picture 1 that shows the path you should follow when routing your wiring. At this point it can be helpful to re-install the insulation pad and secure the bottom push pins so that the wiring is held in place while you work.
3. Secure the wiring at the base of the hood with supplied zip ties. Be sure to leave just enough slack to allow the hood to open and close properly, but not so much that it will get smashed from the hoods hinges. Follow the washer fluid hose. Do not zip tie to the hinge! See picture 4.
4. Attach the **black** ground wire to a nearby ground around the car battery. On 2010-14 models, one possible location is circled in picture 5. Any ground will do, just make sure you re-attach the bolt so the ring terminal makes metal-on-metal contact and the bolt is tight.
5. Route wiring down the passenger side fender towards front of car.
6. Remove the black panel which covers the radiator shown in picture 6. The panel is attached by plastic pins. The pins are removed by prying up on the center part and then prying up on the body of the pin. See picture 7. 2005-2009 models have 6 pins, 2010-2014 models have 8 pins.
7. Route the wiring for the driver side turn signal over the radiator along the frame of the car. The best way to do this is follow the existing bundle of wiring.
8. Route the red wire for each turn signal down to the turn signal bulb locations. These wires will connect to each turn signal indicator on the driver and passenger side.



Use zip ties to secure wiring at hood base – follow washer fluid hose.



Attach ring terminal to bolt circled above or nearby. Re-tighten the bolt.



Remove black panel shown. Save retaining pins for re-install later.



Pry up on center part of pin first. Then pry out entire retainer pin.



Slide wire into place and close wire tap. 2013-14 Connector shown.



Plug red wire into the wire tap as shown. 2013-14 Connector shown.

At this point it is time to make the final connections. Follow the directions below based on model year.

2010-2014 Model's:

1. Begin on the driver side. Locate the turn signal bulb connector on the back of the head light. It has 3 wires connected to it. Unplug the connector.
2. Felt electrical tape is wrapped around the wires. Carefully un-wrap the tape several inches so you have better access to individual wires.
3. Using one of the supplied red wire taps, slide the **Blue** wire with **Green** stripe onto the wire tap. See picture 8 above. 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 Starkey wiring into the back of the wire tap. See picture 9.
5. Plug the connector back into the bulb.
6. Use your key FOB to unlock the doors and test the Starkey turn signal. If it is working, repeat the process to wire the passenger side turn signal. If it does not work, you have most likely not tapped into the proper wire and need to check your connections.
7. Please note: On the passenger side, tap into the **Yellow** wire with **Purple** stripe.

2005-2009 Model's:

1. Begin on the driver side. Locate the turn signal bulb connector on the lower part of the bumper. It has 3 wires connected to it. Unplug the connector. You can usually reach this wiring from under the bumper without them, but a set of ramps can be helpful.
2. Electrical tape is wrapped around the wires. Carefully un-wrap the tape several inches so you have better access to individual wires.
3. Using one of the supplied red wire taps, slide the **Gray** wire with **Black** stripe onto the wire tap. See picture 8 above. 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 Starkey wiring into the back of the wire tap. See picture 9.
5. Plug the connector back into the bulb.
6. Use your key FOB to unlock the doors and test the Starkey turn signal. If it is working, repeat the process to wire the passenger side turn signal. If it does not work, you have most likely not tapped into the proper wire and need to check your connections.
7. Please note: On the passenger side, tap into the **Blue** wire with **Orange** stripe.

Final Installation:

1. Double check everything to make sure it was connected properly. Test the lights with your Key FOB again to make sure they come on and off properly. You may also use your emergency flashers to activate them. If the lights do not come on, visit the trouble shooting guide below.
2. Use the supplied zip ties to secure all loose or excess wiring.
3. Re-install the radiator cover and make sure all push pins are re-installed. Failure to do so can cause the check engine light to illuminate on your dash.
4. Re-install hood insulation pad and all push pins if you have not already done so.
5. Enjoy your new hood mounted turn signals! The lights will activate automatically when you operate your turn signals, hazard lights and lock or unlock your Mustang!

Trouble shooting guide:**Lamp(s) won't turn on –**

- Check to make sure you connected **red** wire tap(s) to the correct factory wire outlined in the 'Connecting the wiring' section above. This is the MOST common mistake made during installation.
- Check the ground cable you connected under the 'Connecting the wiring' section. Make sure that it is making proper metal-to-metal contact and that the bolt is tightened.
- Make sure you have plugged your factory turn signal connectors back into each bulb. These are the connectors you unplugged in the 'Connecting the wiring' section above. Then, Try keying OFF and then ON to reset all vehicle lighting. Test lights to see if they are functioning.

One or both turn signals flash rapidly –

- Check the connectors that plug into the back of the turn signal bulbs to make sure they were re-connected properly. If the connections are loose, rapidly flashing turn signals will occur.

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.*

**Any painted surfaces are guaranteed not to bubble, peel, or crack for the duration of the warranty period. Warranty does not cover normal wear and tear resulting from impacts, scratches, road debris, or harsh chemicals.*