

2018+ Mustang Hood Heat Extractors

Installation Instructions
P/N: 422083 (R1318-16C920)



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Application: 2018 Ford Mustang 5.0L and 2.3L with Automatic/Manual Transmission

Important Note:

Before installing your ROUSH Hood Heat Extractors, please read through the entire installation procedure and check to make sure all items are present. Contact ROUSH Customer Service at 1-800-59-ROUSH, 9:00 AM to 5:00 PM weekdays, for any questions regarding fit or instructions that are unclear to you.

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PACKING LIST

Description	Part Number	Quantity
Heat Extractor Assembly LH	1318-16C929	1
Heat Extractor Assembly RH	1318-16C930	1
Stud - #6-32x1-1/4"	25112	12
Nut - #6-32 Hex Flange	37332	12
Tape (EX4011x6.25 Wide)	1318-16C925	4
Tape (EX4011x6.25 Wide) Front Edge	1318-16C926	2
Black Out Graphic LH	1318-16C829LH	1
Black Out Graphic RH	1318-16C830RH	1
Drill Template LH	1318-16C929TMPL	1
Drill Template RH	1318-16C930TMPL	1

EQUIPMENT AND SUPPLIES REQUIRED

- 8 mm Socket
- 1/8" Drill Bit
- 7/32" Drill Bit
- 1" Hole Saw
- Center Punch
- Commercially Available Clear Coat (Motorcraft P/N: PM-19500-6000)
- Plastic Pry Tool
- 1/16" Allen Wrench
- Trim Removal Tool

If you are missing any items, please call us toll free at 1-800-59-ROUSH.

LIMIT OF LIABILITY STATEMENT

The information contained in this publication was accurate and in effect at the time the publication was approved for printing and is subject to change without notice or liability. ROUSH Performance Products (RPP) reserves the right to revise the information presented herein or to discontinue the production of parts described at any time.

SAFETY PRECAUTIONS



CAREFULLY READ THE IMPORTANT SAFETY PRECAUTIONS and WARNINGS BEFORE PROCEEDING WITH THE INSTALLATION!

Appropriate disassembly, assembly methods and procedures are essential to ensure the personal safety of the individual performing the kit installation. Improper installation due to the failure to correctly follow these instructions could cause personal injury or death. Read each step of the installation manual carefully before starting the installation.

- Always wear safety glasses for eye protection.
- Place ignition switch in the OFF position.
- Always apply the parking brake when working on a vehicle.
- Block the front and rear tire surface to prevent unexpected vehicle movement.
- If working with a lift, always consult vehicle manual for correct lifting specifications.
- Operate the engine only in well-ventilated areas to avoid exposure to carbon monoxide.
- Do not smoke or use flammable items near or around the fuel system.
- Use chemicals and cleaners in well-ventilated areas.
- Batteries produce explosive gases, which can cause personal injury. Therefore, do not allow flames, sparks or flammable substances to come near the battery.
- Keep hands and any other objects away from the radiator fan blades.
- Keep yourself and your clothing away from moving parts when the engine is running.
- Do not wear loose clothing or jewelry that can get caught in rotating parts or scratch surface finishes.
- Allow the engine, cooling system, brakes and exhaust to cool before working on a vehicle.

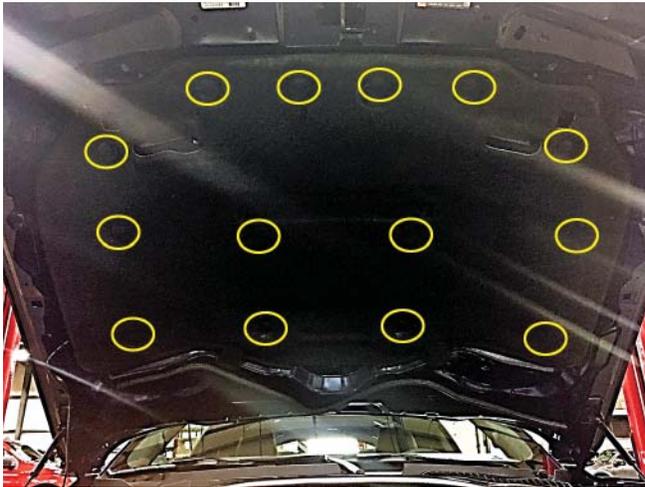
WORK SAFELY!

Perform this installation on a good clean level surface for maximum safety and with the engine turned off.

INSTALLATION

The following section will guide you through the installation of the ROUSH heat extractors.

1. Open the hood and remove the hood blanket by taking out the fourteen (14) push pins that are highlighted below with an appropriate trim removal tool. Set aside for re-use.



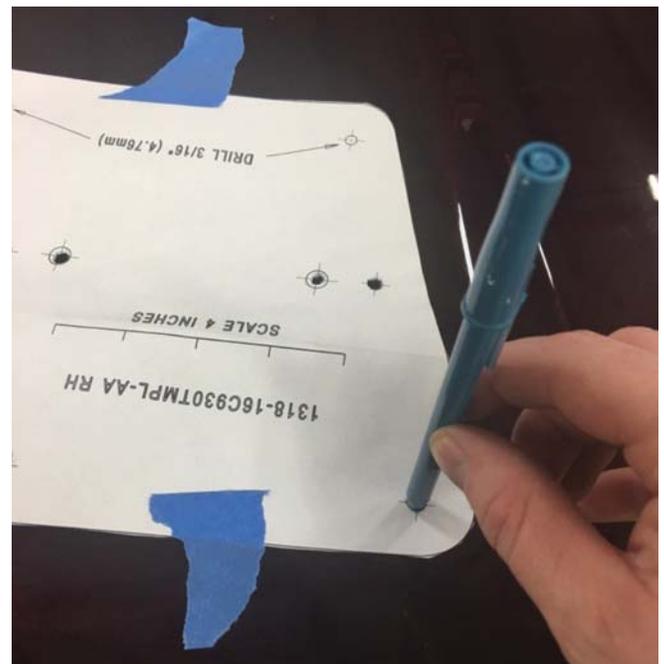
2. Remove the four (4) 8 mm nuts at the bottom front edge of each factory heat extractor. Repeat on opposite side.

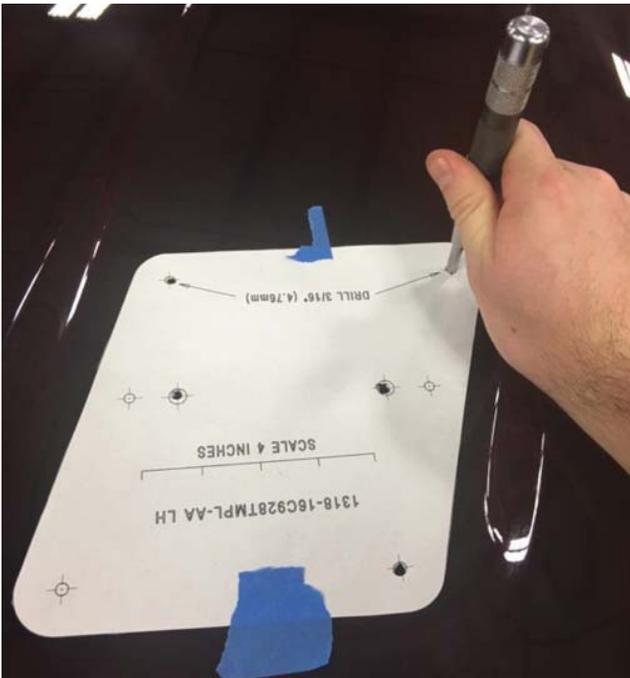


3. Press down on the tabs and remove the factory heat extractor from the hood. Repeat on opposite side.



4. Cut out the drill templates (P/N: 1318-16C929TMPL and 1318-16C930TMPL) from the last pages of this instruction manual. **(IMPORTANT:** Print template to scale. Check scale by measuring reference line with a ruler.) Align black outlined holes with factory holes (using a pen or center punch as shown is helpful). Tape the templates in place and then mark the two (2) drill holes with a center punch. Repeat on other side.





5. Drill the two (2) rear holes with an 1/8" bit followed by a 7/32" bit.

NOTE: When drilling this hole, make sure to continue and drill through the inner structure of the hood. After the holes are drilled, apply commercially available clear coat (Motorcraft P/N: PM-19500-6000) to the exposed metal so that it does not oxidize. Repeat on opposite side.



6. On the underside of the hood, drill a 1-inch hole in the inner structure using the previously drilled 1/8" hole as a pilot hole. **IMPORTANT: DO NOT DRILL A 1-INCH HOLE IN HOOD SKIN!** Once the holes are drilled, apply commercially available clear coat (Motorcraft P/N: PM-19500-6000) to the exposed metal so that it does not oxidize. Repeat on opposite side.



7. Spray the hood with a soapy water mixture and wipe with a clean cloth. Remove the backing off of the blackout graphics (P/N: 1318-16C829LH and 1318-16C830RH) and spray both the hood and the back of the graphic with soapy water. **NOTE:** LH is the driver side and RH is the passenger side.



8. Align the holes in the graphic to the holes in the hood and lay the graphic (P/N: 1318-16C829LH and 1318-16C830RH) onto hood, applying the graphic top down as shown. Using a plastic applicator, work out larger bubbles in the graphic by pushing them to the outer edges. Pop smaller bubble with a razor blade or pin.

NOTE: When working the graphics on compound curves, it may be helpful to use a heat gun.



9. Mark 10 mm up from the bottom of all twelve (12) supplied studs (P/N: 25112) as shown.



10. Hand start each stud (P/N: 25112) in the heat extractors (P/N: 1318-16C929 and 1318-16C930). Use a 1/16" Allen key to tighten each stud down to the mark made previously. You should have 22 mm of stud protruding.



11. Clean the back side of the heat extractors with an isopropyl alcohol and water mix. Remove one (1) side of the backing of the double-sided tape, two (2) pieces of P/N: 1318-16C925 and one (1) piece of P/N: 1318-16C926 for each extractor, and place onto the outer ribbing as shown. Repeat on other side.



12. Remove remaining backing off double-sided tape and apply the heat extractor to the hood. Apply even pressure all around perimeter to wet out tape fully.



13. Apply blue thread locker and hand start the six (6) nuts (P/N: 37332). Torque them to 2 in-lb (hand tight). Repeat on other side. Be careful to not overtighten.

14. Reinstall the factory hood blanket with the fourteen (14) push pins that were removed in Step 1.

15. Congratulations! You have now completed the installation of the ROUSH heat extractors.

