



M-MUSTANG-FPS1P,FPS2P,FPS3P,FPS7P
Mustang GT – Passive Suspension
FP800S Package

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

PRIOR TO INSTALLATION READ THESE INSTRUCTIONS COMPLETELY
For questions, Call the FORD PERFORMANCE Techline 1-800-367-3788

Please visit <https://www.performanceparts.ford.com> for warranty information



FP800S Battleship Grey Package Shown

Ford Factory Shop Manual purchase options www.motorcraftservice.com



M-MUSTANG-FPS1P,FPS2P,FPS3P,FPS7P

Mustang GT – Passive Suspension

FP800S Package

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

Package Contents:

<u>Description</u>	<u>Quantity</u>
FP800S Keychain	2
"5.0" Fender Emblem	2
Rear Wheel Spats	2
Rear Wheel Spat Fastener, W709346-S300	2
Rear Wheel Spat Fastener, W714040-S300	2
FP800S Grille with Ford Performance Badge	1
FP800S Interior Badge	1
Air Design Decklid Applique with Ford Performance Badge	1
FP800S Bodyside Graphics	1
5.0L Supercharger Kit	1
5.0L Air Oil Separator	1
Half Shaft Upgrade Kit	1
FP800S Passive Suspension & Side Marker Lamp Kit	1
19x10.5" (F) 19x11" (R) Wheel Kit	1
Black Lug Nut Kit	1
TPMS Kit	1

Installation Section:

1. ["5.0" Fender Emblem](#)
2. [Rear Wheel Spats](#)
3. [FP800S Grille with Ford Performance Badge](#)
4. [FP800S Interior Badge](#)
5. [Air Design Decklid Applique with Ford Performance Badge](#)
6. [FP800S Bodyside Graphics](#)
7. [5.0L Supercharger Kit](#)
8. [5.0L Air Oil Separator](#)
9. [Half Shaft Upgrade Kit](#)
10. [TPMS Kit](#)
11. [FP800S Passive Suspension, Wheels & Lug Nuts](#)
12. [Side Marker Lamp Kit](#)
13. [Service Procedures](#)

Ford Factory Shop Manual purchase options www.motorcraftservice.com



M-MUSTANG-FPS1P,FPS2P,FPS3P,FPS7P Mustang GT – Passive Suspension FP800S Package

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

“5.0” Fender Emblem

Removal

NOTE: Ideal application temperature range 70 °F (21°C) and 100 °F (38°C) at time of installation. Do NOT install if temperature is below 50 °F (10°C). A heat source may be used to reach minimum temperature if necessary.

1. Use a heat gun to loosen adhesive on the backside of the emblem.

NOTE: Excessive heat will cause damage to the paint.

2. While wearing protective gloves, use fishing line to cut through the back of the emblem and remove.
3. Remove any remaining adhesive tape residual and prepare surface by thoroughly cleaning all the installation surfaces using an isopropyl alcohol mixture and a clean lint free cloth. Allow the surface to dry thoroughly.

Installation

1. To install, peel the protective backing off the adhesive.

NOTE: Do not touch the adhesive liner during installation.

2. Aligning the emblem with the locator pins and ensuring it is centered properly. Press lightly to adhere.
3. Using a lint-free scratch resistant cloth, press firmly on the emblem from the center working outwards to the edges to ensure maximum adhesion contact.

NOTE: Apply 10-20 pounds per linear inch, PLI so the adhesive sticks.

Ford Factory Shop Manual purchase options www.motorcraftservice.com

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

Rear Wheel Spats

Removal

NOTE: *Removal steps in this procedure may contain installation details.*

1. Remove the rear wheels and tires.

NOTICE: Ford Recommends The Following For Vehicles With Carbon Fiber And Alloy Wheels:

- **Tire Changer:**
 - Ford requires center clamp style tire changers such as Hunter® Auto 34, Revolution, TC3900 or equivalent. Anything else, especially table top style machines, are highly likely to damage the wheel which is not warrantable. Do not use table top design machines that grab onto the inside of the wheel and that ride on the front wheel flange to remove the tire. Wheel damage will occur.
 - **Tire Balancer:**
 - Ford requires the use of wheel balancers that do not contact the wheel face such as, Hunter® Road Force Touch GSP9700. Do not use machines that contact the wheel face. Wheel damage will occur.
2. With the vehicle in NEUTRAL, position it on a hoist.
Refer to: Jacking and Lifting - Overview (100-02 Jacking and Lifting, Description and Operation).
 3. **NOTICE:** Do not use heat to loosen a seized wheel nut or damage to the wheel and wheel bearing can occur.

Remove the wheel nuts.

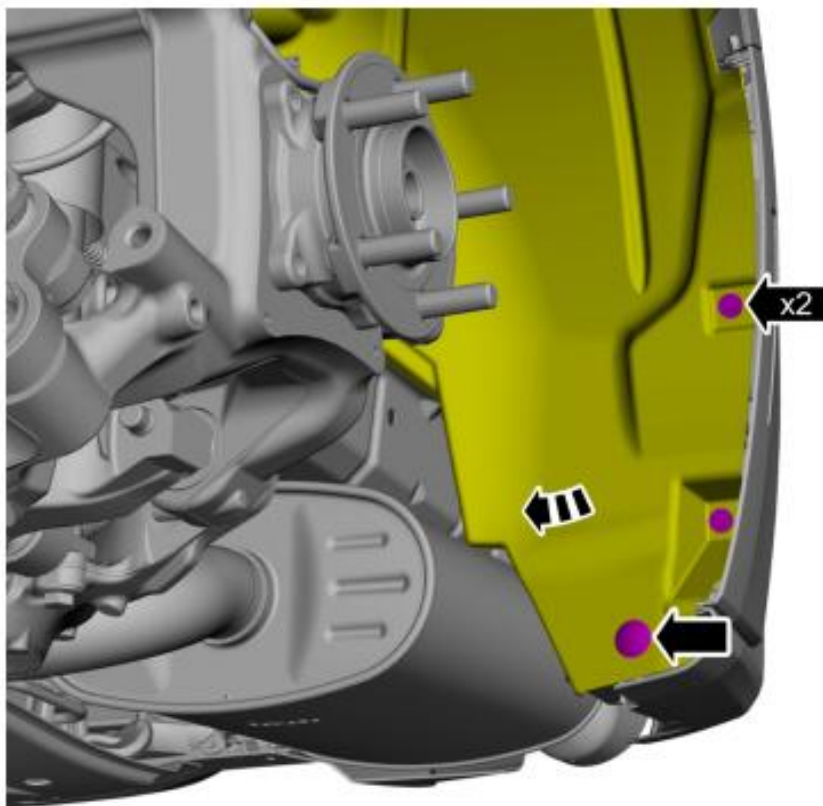


E404256

Ford Factory Shop Manual purchase options www.motorcraftservice.com

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

4. On both sides, remove the bolts, the push pin and position the rear wheel liner aside.



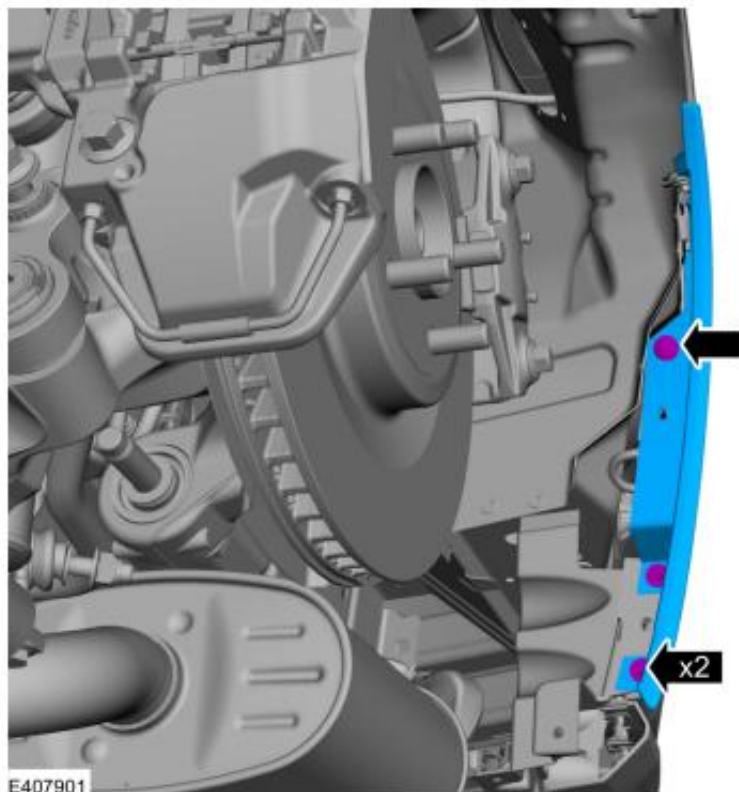
E407574

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

Installation

1. On both sides, install the rear wheel opening cover flap using the fasteners provided.

Torque: 17 lb.in (1.9 Nm)

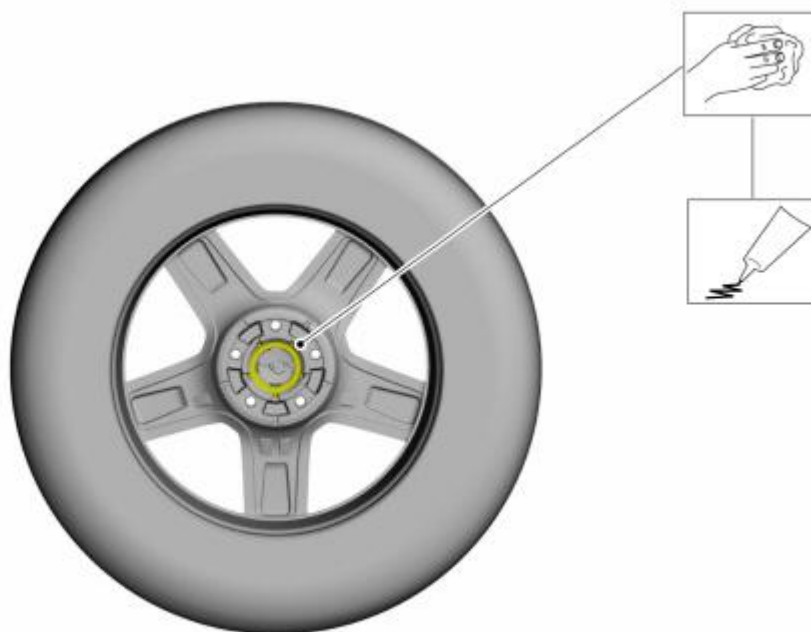


NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

2.  **WARNING:** When a wheel is installed, always remove any corrosion, dirt or foreign material present on the mounting surface of the wheel and the mounting surface of the wheel hub, brake drum or brake disc. Make sure that any fasteners that attach the rotor to the hub are secured so they do not interfere with the mounting surfaces of the wheel. Failure to follow these instructions when installing wheels may result in the wheel nuts loosening and the wheel coming off while the vehicle is in motion, which could result in loss of control, leading to serious injury or death to vehicle occupant(s).

NOTICE: Make sure to apply a thin coat of anti-seize lubricant only to the interface between the wheel pilot bore and the hub pilot. Do not allow the anti-seize to make contact with the wheel-to-brake disc/drum mounting surface, wheel studs, wheel nuts, brake pads or brake disc friction surfaces or damage to components may occur.

Clean the mounting surface of the wheel. Apply the substance from the specified tube.
Refer to: Specifications (204-04A Wheels and Tires, Specifications).



E404258

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

3. **NOTE:** *Only tighten the nuts finger tight at this stage.*

Position the wheel and install the wheel nuts.



E404256

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

4.  **WARNING:** Retighten wheel nuts within 160 km (100 mi) after a wheel is reinstalled. Wheels can loosen after initial tightening. Failure to follow this instruction may result in serious injury to vehicle occupant(s).

NOTICE: Failure to tighten the wheel nuts in a star/cross pattern can result in high brake disc runout, which accelerates the development of brake roughness, shudder and vibration.

NOTE: The wheel nut torque specification is for clean, dry wheel stud and wheel nut threads.

NOTE: Final tightening to be performed with vehicle resting on tires.

Tighten the wheel nuts in a star pattern.
Torque: 150 lb.ft (204 Nm)



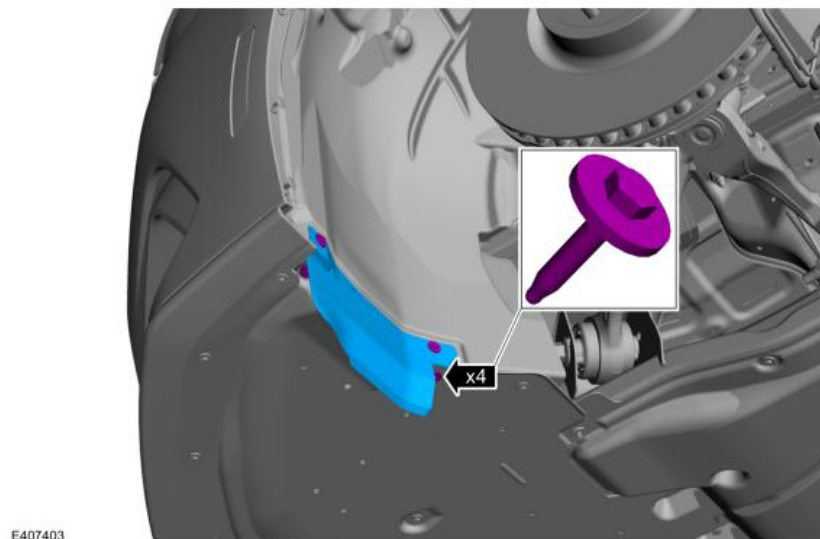
E404257

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

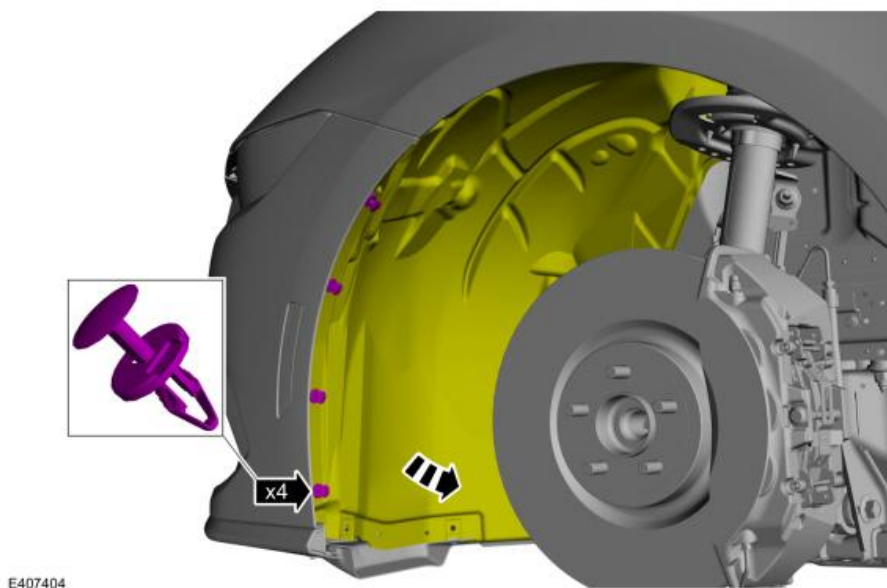
FP800S Grille with Ford Performance Badge

Bumper Cover Removal

1. Remove front wheels and tires
2. On both sides, remove the bolts and the body side front shield.
Torque: 19 lb.in (2.2 Nm)



3. On both sides, remove the push pins and position aside the front fender splash shield.



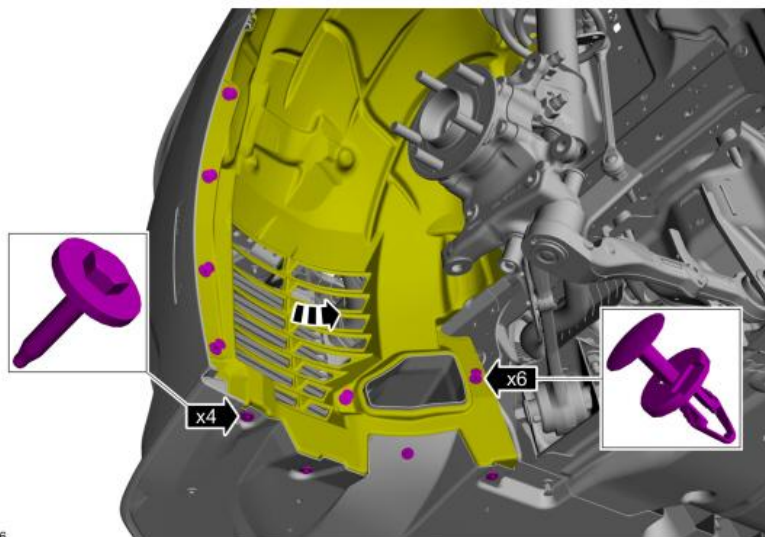
Ford Factory Shop Manual purchase options www.motorcraftservice.com

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
 FORD PERFORMANCE PARTS © Ford Motor Company 2020

4. Vehicles With: GT Performance Package

On both sides, remove the screws, push pins and position aside the front fender splash shield.

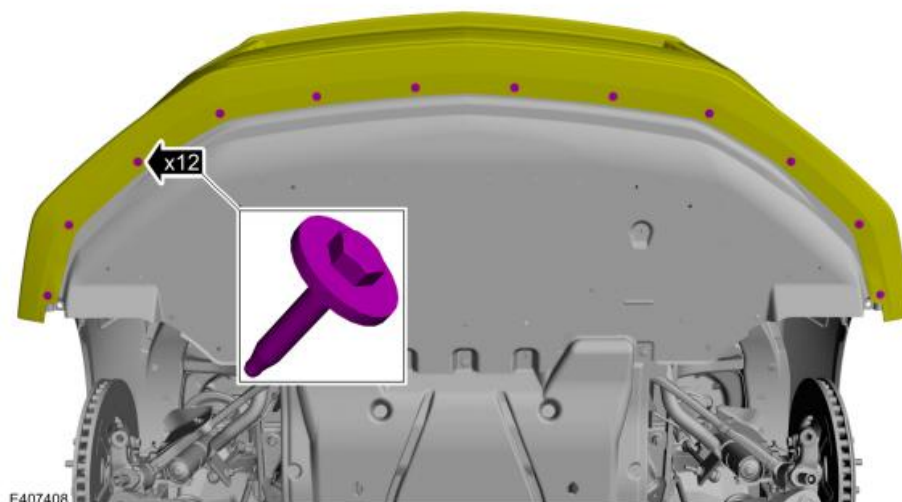
Torque: 19 lb.in (2.2 Nm)



5. All vehicles.

Remove the bolts.

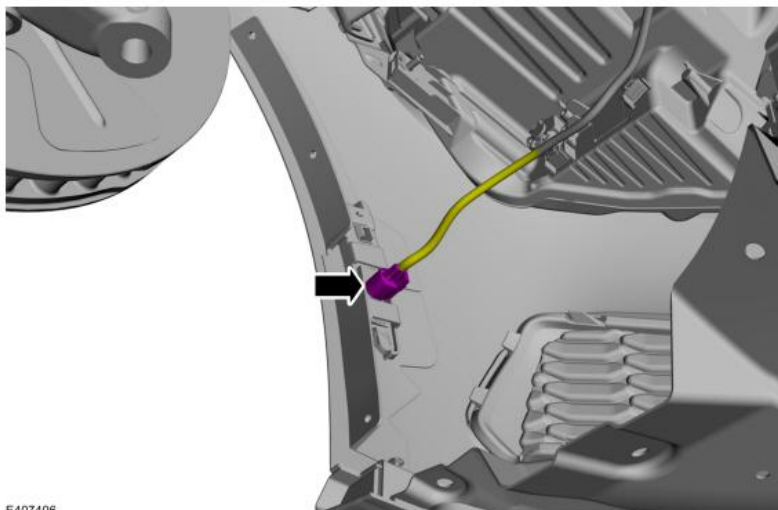
Torque: 19 lb.in (2.2 Nm)



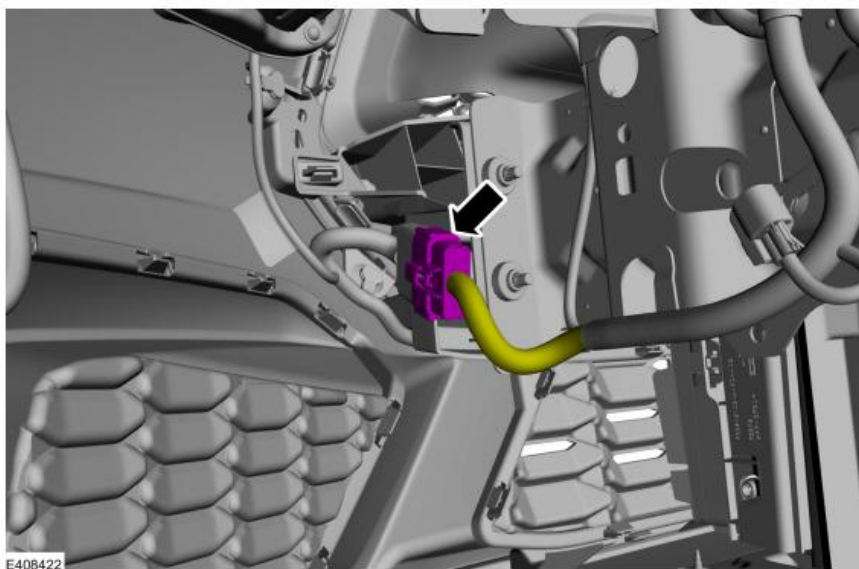
Ford Factory Shop Manual purchase options www.motorcraftservice.com

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

6. On both sides, disconnect the side repeater lamp electrical connector.

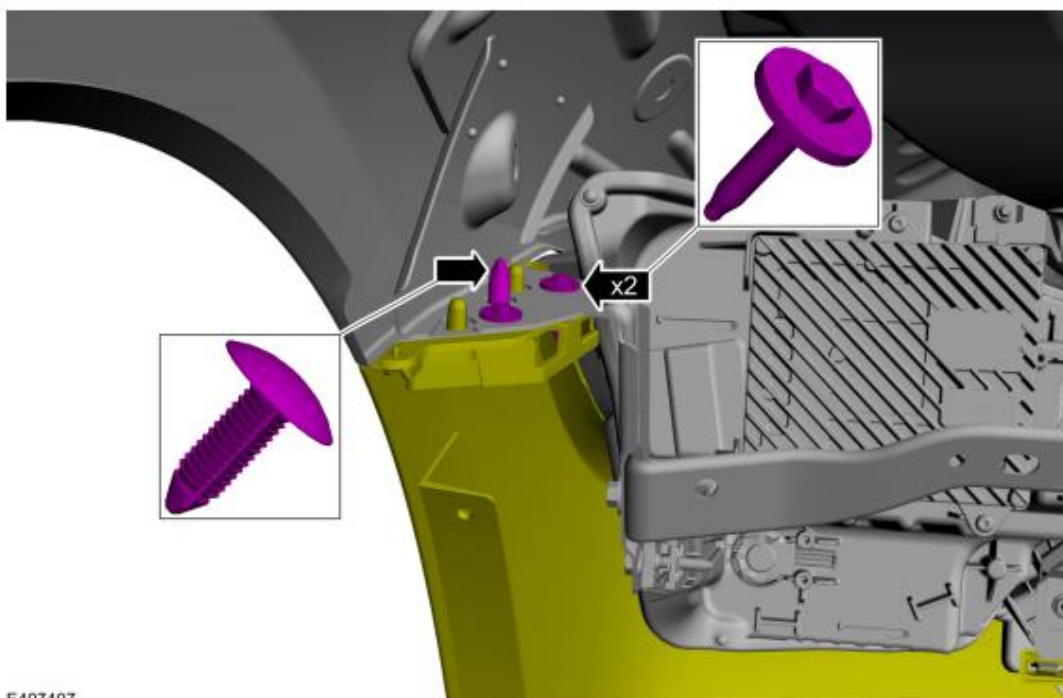


7. Disconnect the front bumper cover electrical connector.

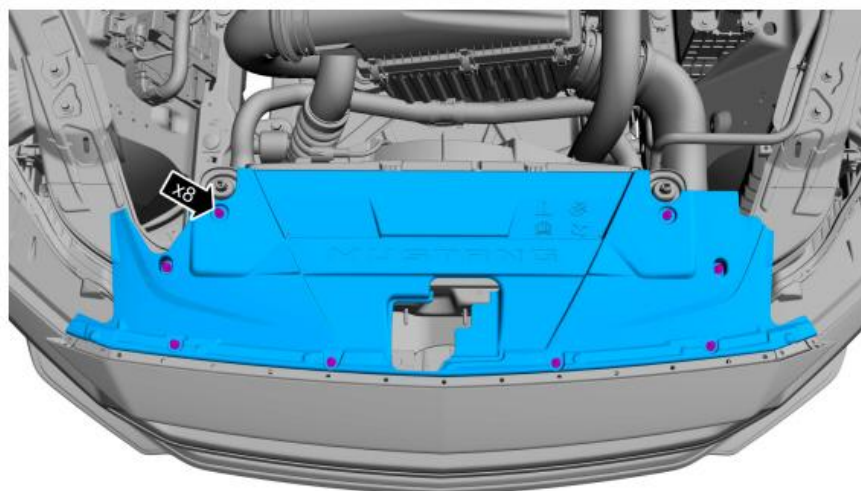


NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

8. On both sides.
Remove the front bumper cover to fender push-pin and the bolts.
Torque: 44 lb.in (5 Nm) remove the badge by prying it with a 90 deg pick tool through the drilled hole.



9. Remove the push pins and the radiator sight shield.



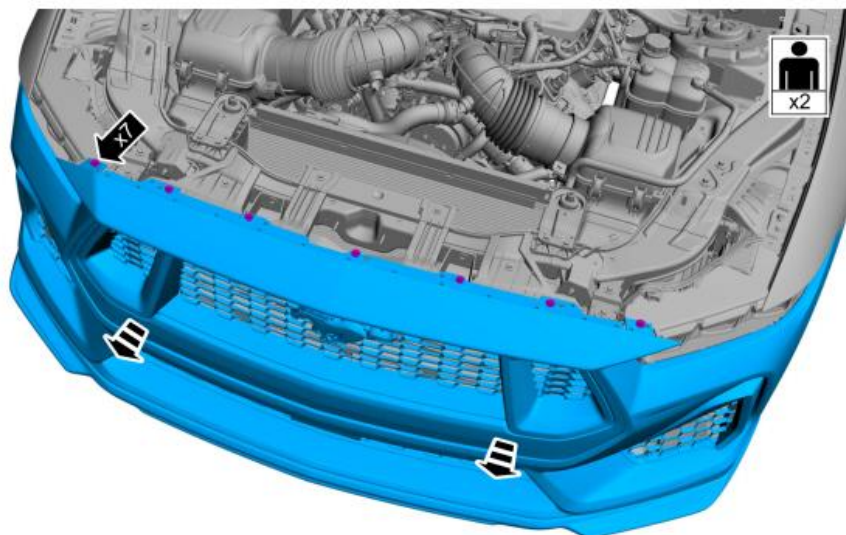
Ford Factory Shop Manual purchase options www.motorcraftservice.com

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

10. NOTE: This step requires the aid of another technician.

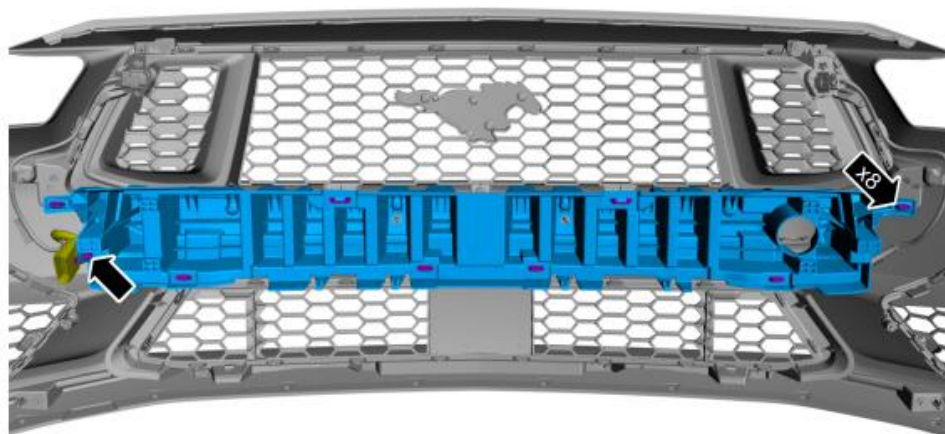
Remove the bolts and the front bumper cover.

Torque: 13 lb.in (1.5 Nm)



E407557

11. Detach the wiring retainer and position aside the front bumper wiring harness and release the tabs and remove the front bumper energy absorber.



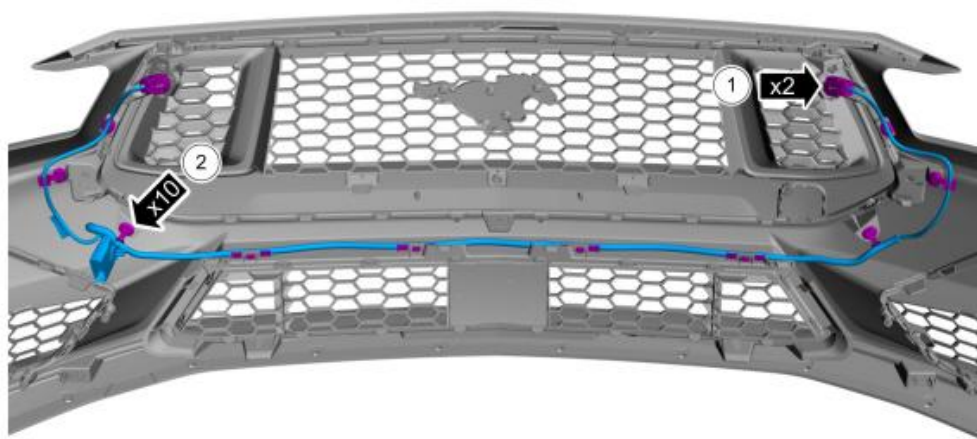
E408167

Ford Factory Shop Manual purchase options www.motorcraftservice.com

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

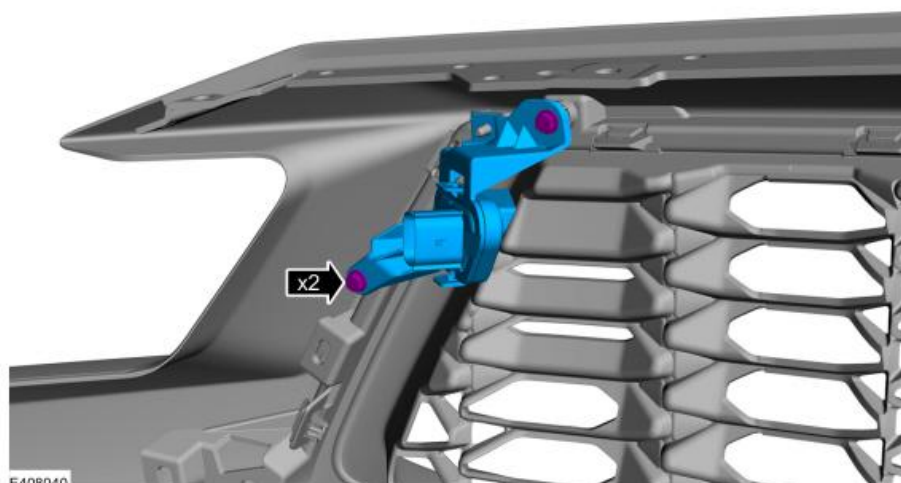
12. **NOTE:** *The number and location of retainers will vary depending on option content.*

1. Disconnect the electrical connectors.
2. Separate the harness guides, harness retainers and remove the front bumper cover harness.



E408168

13. On both sides, remove the bolt and the front parking lamp.
Torque: 13 lb.in (1.5 Nm)

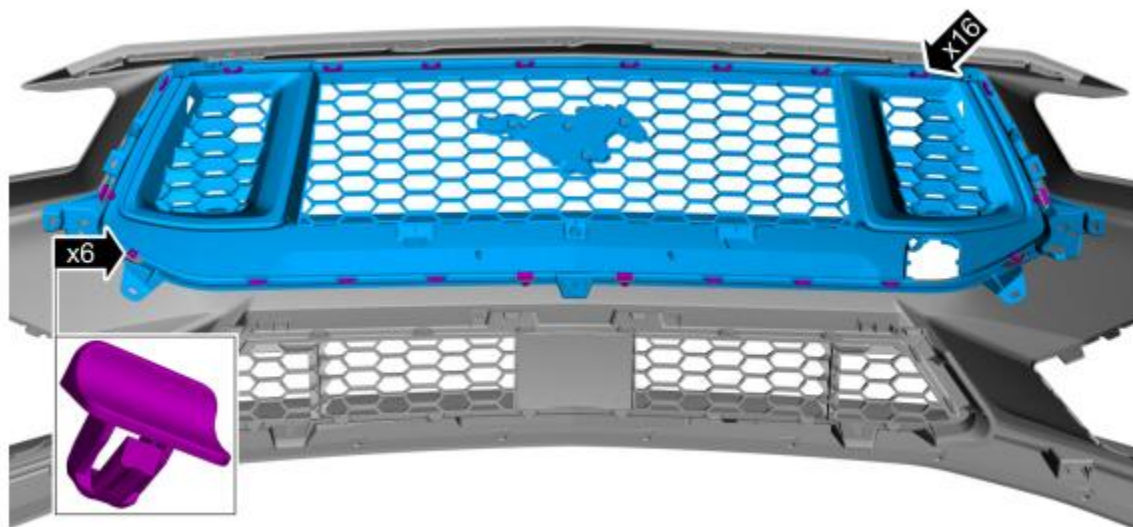


E408040

Ford Factory Shop Manual purchase options www.motorcraftservice.com

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

14. Remove the push pins, release the tabs and remove the front tow hook cover.



E408173

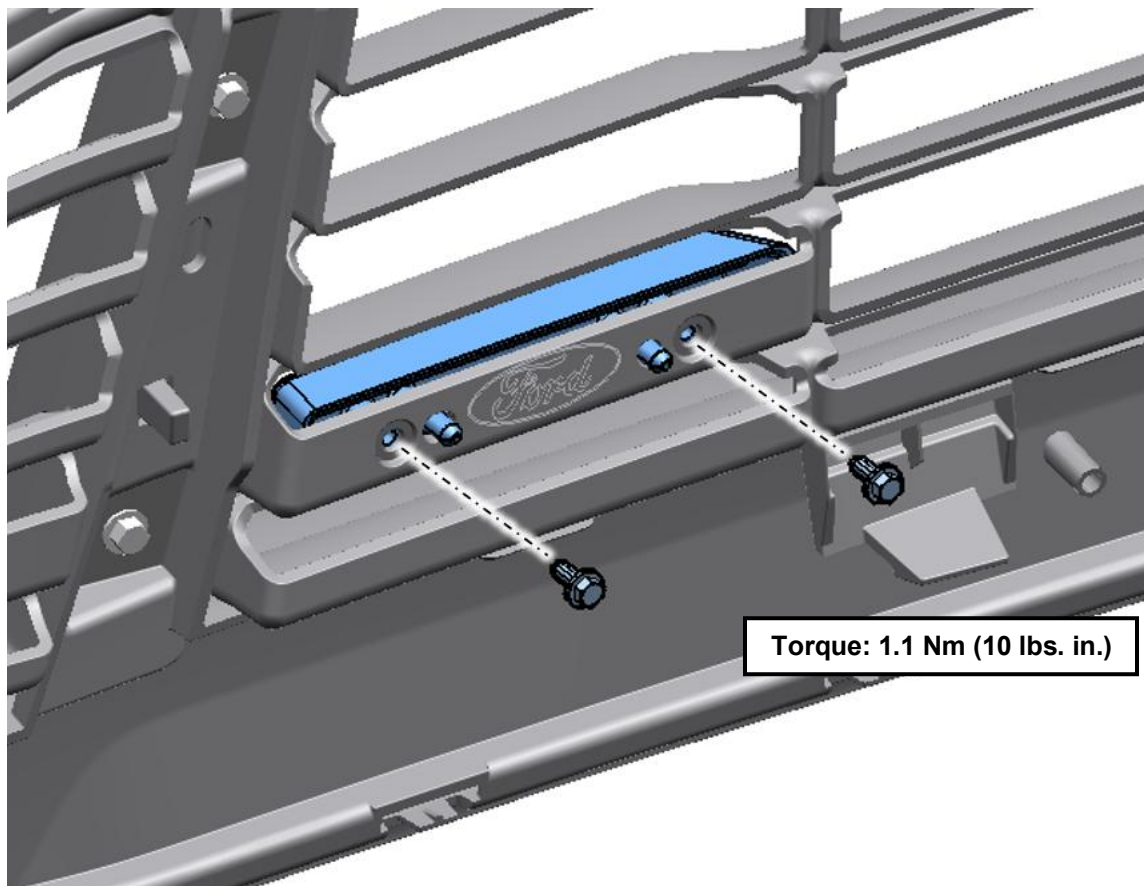
15. Install FORD PERFORMANCE badge
1. Place badge on grille ensuring pins are aligned to holes.



Ford Factory Shop Manual purchase options www.motorcraftservice.com

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

2. Secure badge to grille from rear using (2) screws included in the kit with a 5.5mm socket.

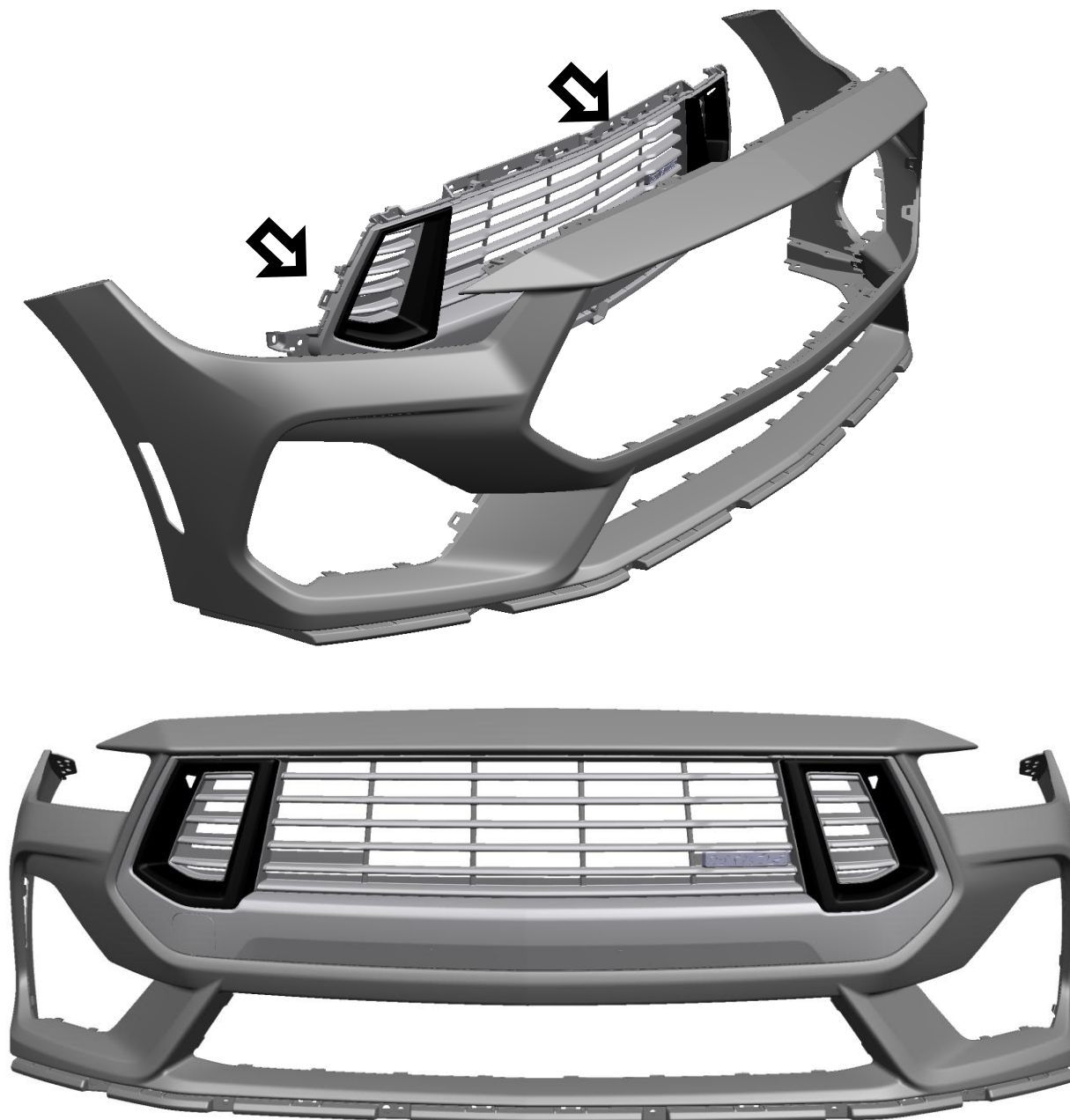


Torque: 1.1 Nm (10 lbs. in.)

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

Installation

16. Install painted intake snorkel grille



17. To install, reverse the removal procedure.

Ford Factory Shop Manual purchase options www.motorcraftservice.com

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

FP800S Interior Badge

Special Tool(s)/ General equipment

- 1/16 drill bit
- 3/16 drill bit
- Center Punch tool
- Power drill
- 90-degree pick tool
- isopropyl alcohol
- painter's tape and clear tape

4. Protect the gloss surface around the Mustang badge with painter's tape.



NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

5. Tape the supplied template over the badge and aligning the edge of the template with the register



6. Mark the center of the drill hole with a center punch.
7. Start a pilot hole with 1/16" drill bit at a about 45 deg angle, once the drill bit penetrates the top surface of the badge finish drilling with the drill bit perpendicular to the badge.

a.



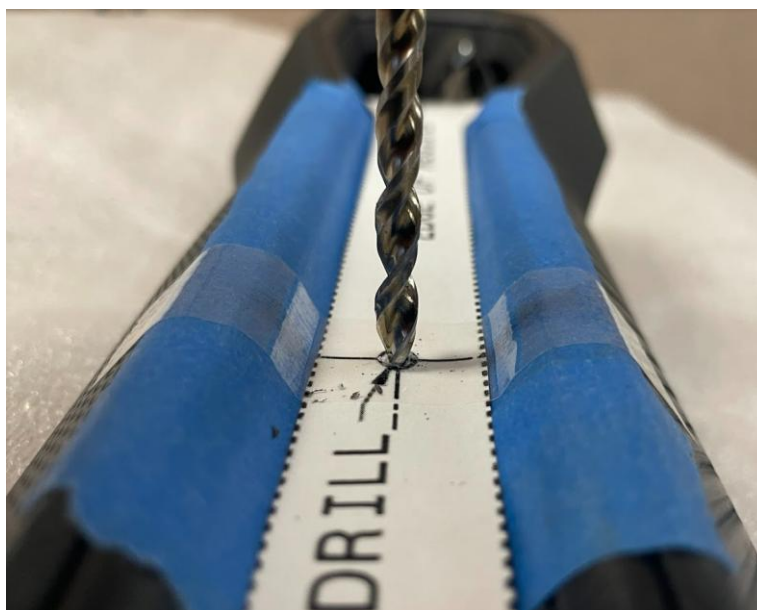
Ford Factory Shop Manual purchase options www.motorcraftservice.com

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

b.



8. Drill the hole to the final size with 5/32 drill bit.



Ford Factory Shop Manual purchase options www.motorcraftservice.com

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

9. Remove the paper template.
10. Carefully remove the badge by prying it with a 90 deg pick tool through the drilled hole.



11. Remove any remaining adhesive tape residual and prepare surface by thoroughly cleaning all the installation surfaces using an isopropyl alcohol mixture and a clean lint free cloth. Allow the surface to dry thoroughly.

NOTE: Ideal application temperature range 70 °F (21°C) and 100 °F (38°C) at time of installation. Do NOT install if temperature is below 50 °F (10°C). A heat source may be used to reach minimum temperature if necessary.

12. Gently to remove the adhesive backing behind the badge

NOTE: Do not touch the adhesive liner during installation.

13. Aligning the badge with the locator pins and ensuring it is centered properly. Press lightly to adhere



M-MUSTANG-FPS1P,FPS2P,FPS3P,FPS7P Mustang GT – Passive Suspension FP800S Package

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

14. Using a lint-free scratch resistant cloth, press firmly on the badge from the center working outwards to the edges to ensure maximum adhesion contact.

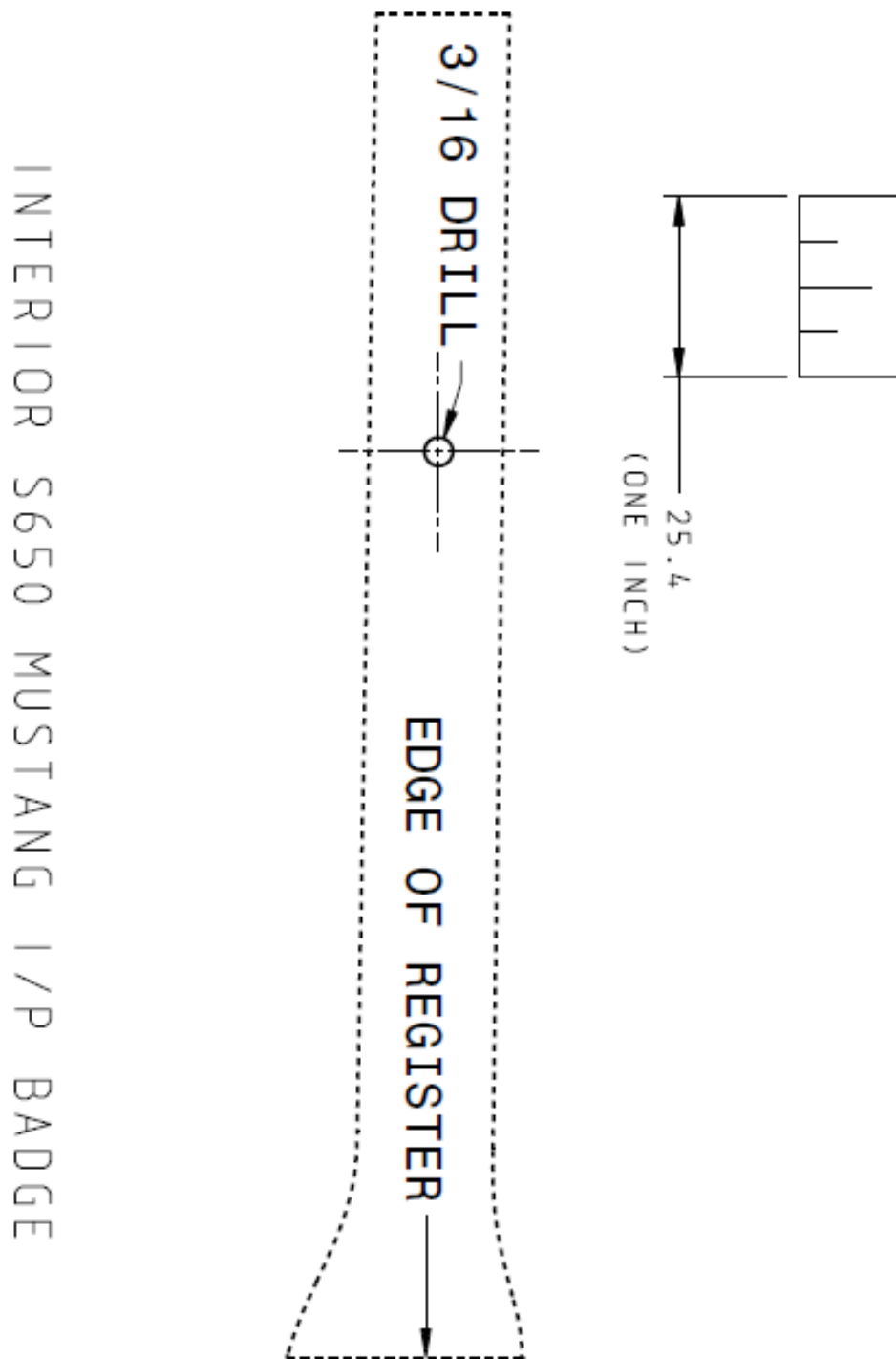
NOTE: Apply 10-20 pounds per linear inch, PLI so the adhesive sticks.



Ford Factory Shop Manual purchase options www.motorcraftservice.com

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

Template



Ford Factory Shop Manual purchase options www.motorcraftservice.com

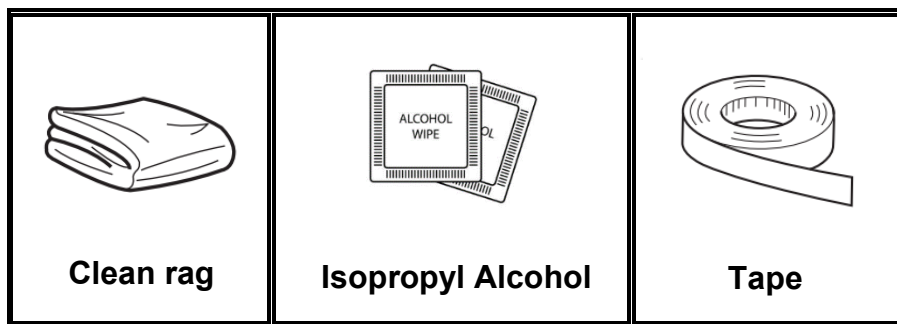
NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

Air Design Decklid Applique With Ford Performance Badge

1. Follow the instructions then proceed with the Ford Performance Badge installation below.

[Instruction Sheet](#)

Special Tool(s) / General Equipment:



Preparation

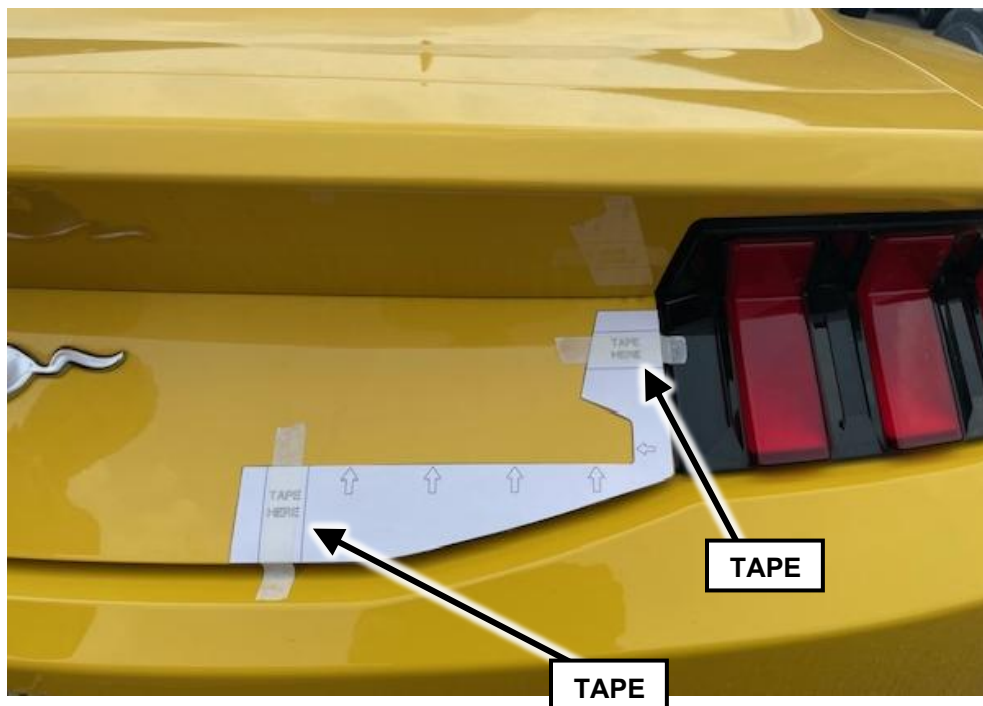
1. Using a rag, soap, and water, clean the passenger side of the deck lid.
2. Using diluted rubbing alcohol (50/50) or an alcohol wipe, remove any remaining residue/dirt.
3. Using scissors, cut out the paper template which is located on the last sheet.

[Template](#)

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

4. Tape template onto applique as shown.

Note: Make sure the outer edges of template are aligned with the edges of the deck lid.



Installation

1. Remove the liner from the back side of the badge.



Ford Factory Shop Manual purchase options www.motorcraftservice.com

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
 FORD PERFORMANCE PARTS © Ford Motor Company 2020

FP800S Bodyside Graphics

A


B TOOLS REQUIRED:			
SOAP AND WATER SOLUTION 	SQUEEGEE 	ALCOHOL WIPES 	SOFT CLOTH 

Ford Factory Shop Manual purchase options www.motorcraftservice.com

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

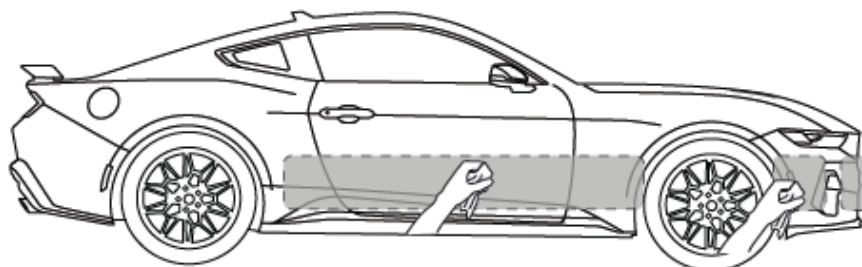
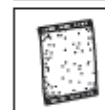
1



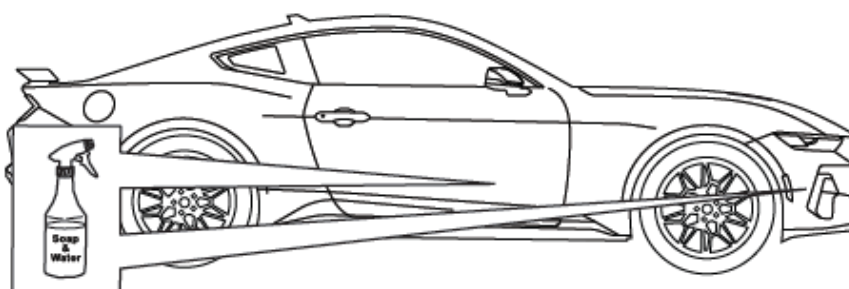
NOTE: THE ROOM TEMPERATURE AND SURFACE TEMPERATURE MUST BE NO LOWER THAN 68 DEGREES FAHRENHEIT (20° C) OR HIGHER THAN 90 DEGREES FAHRENHEIT (32° C) TO ENSURE PROPER INSTALLATION.

2

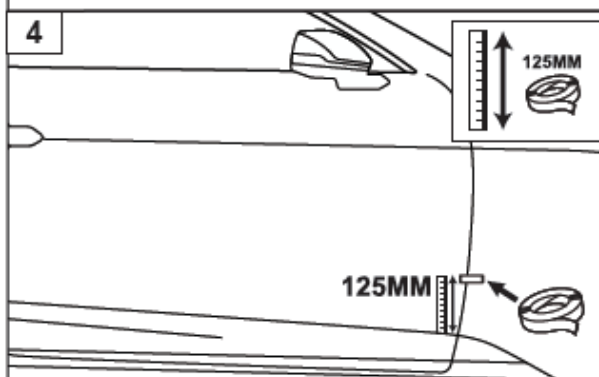
NOTE: CLEAN SURFACE USING DILUTED RUBBING ALCOHOL (50/50) OR AN ALCOHOL WIFE TO REMOVE DIRT AND GREASE. REMOVE RESIDUE FROM AREA AND ALLOW AREA TO DRY THOROUGHLY.



3



4



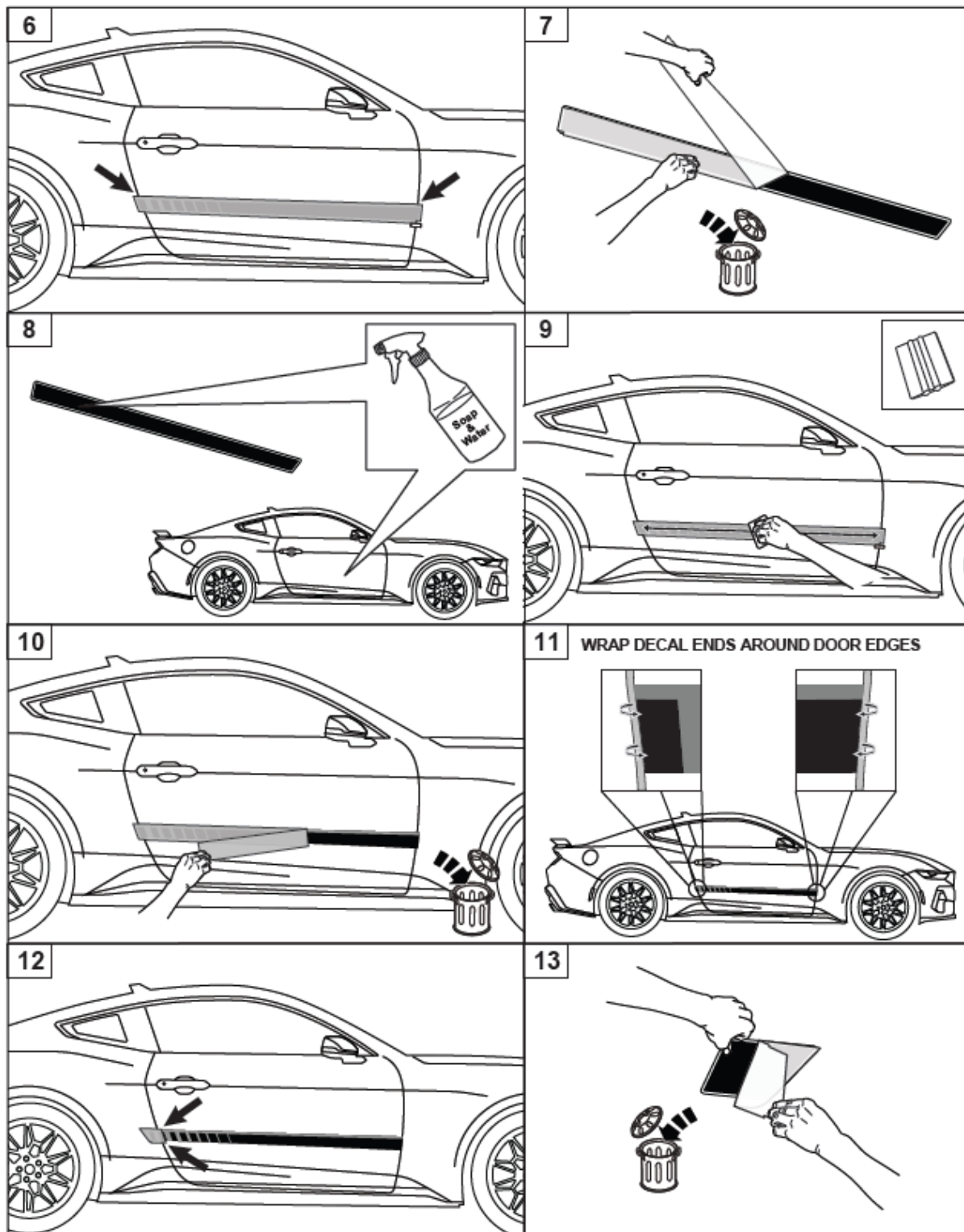
5

DIVIDE SIDE BODY PIECES BY PERFORATION LINE



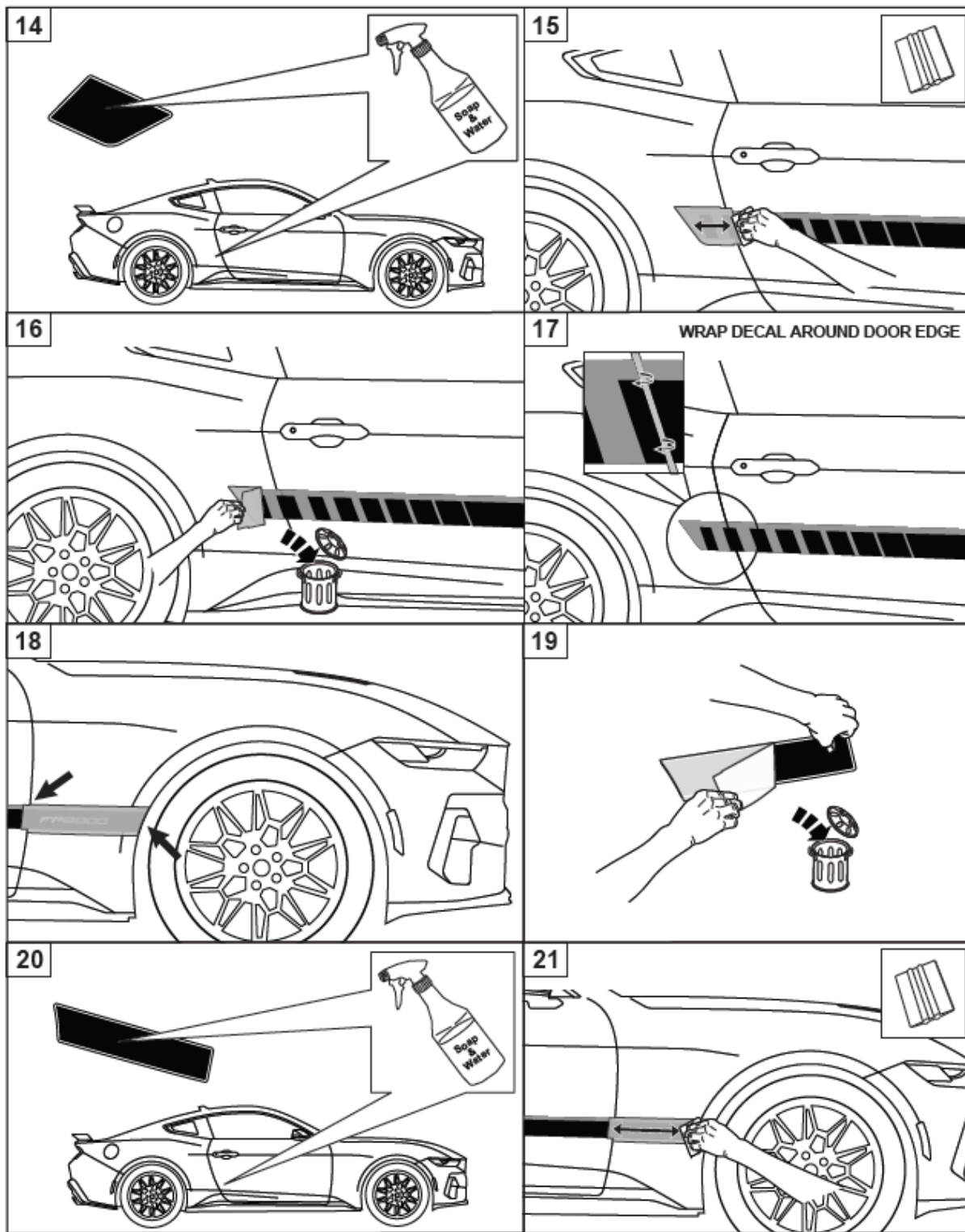
Ford Factory Shop Manual purchase options www.motorcraftservice.com

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020



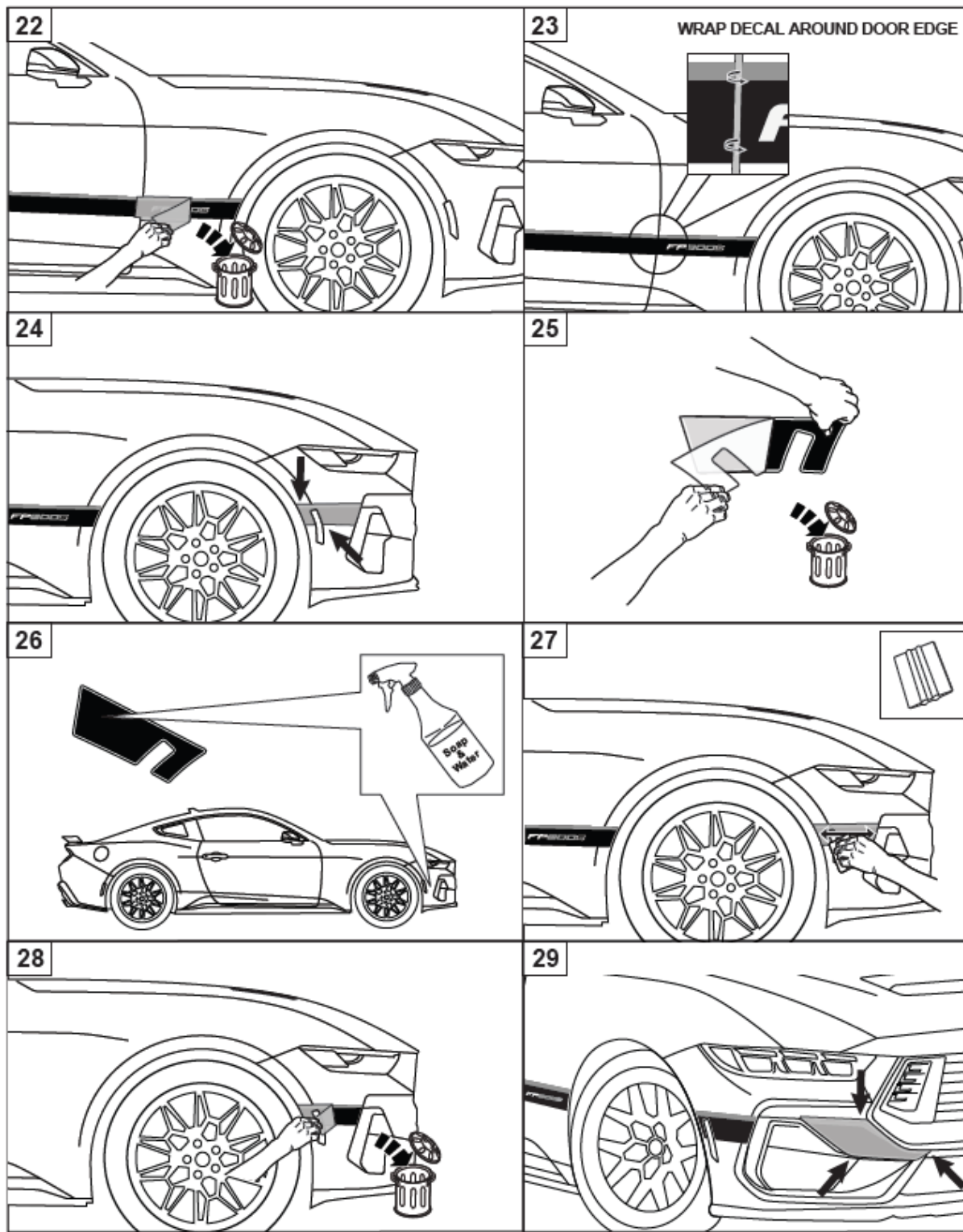
Ford Factory Shop Manual purchase options www.motorcraftservice.com

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020



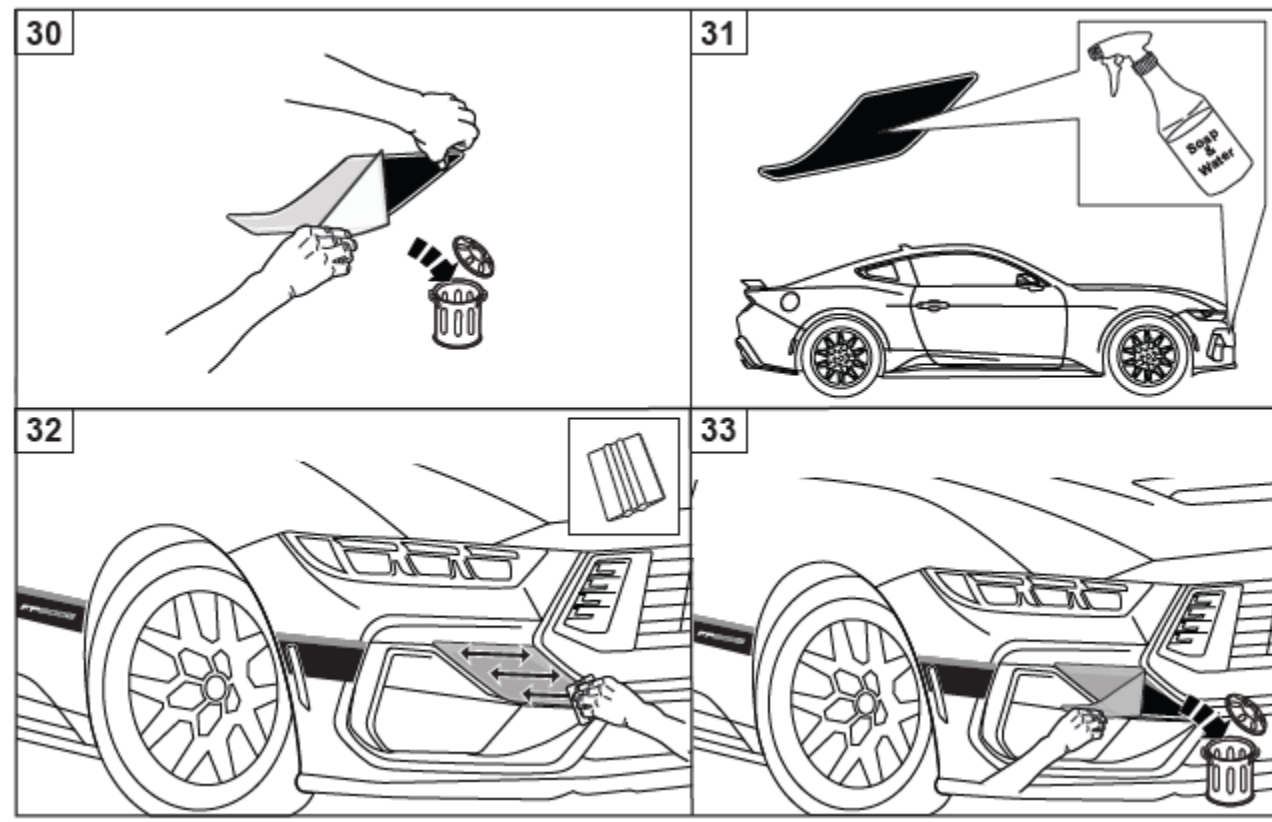
Ford Factory Shop Manual purchase options www.motorcraftservice.com

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020



Ford Factory Shop Manual purchase options www.motorcraftservice.com

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020





M-MUSTANG-FPS1P,FPS2P,FPS3P,FPS7P
Mustang GT – Passive Suspension
FP800S Package

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

5.0L Supercharger Kit

[Instruction Sheet](#)

5.0L Air Oil Separator

[Instruction Sheet](#)

Half Shaft Upgrade Kit

[Instruction Sheet](#)

Ford Factory Shop Manual purchase options www.motorcraftservice.com

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

TPMS Kit

ASSEMBLY

NOTE: When installing a new wheel, always install a new valve stem and sensor screw. Reuse the TPMS sensor from the previous wheel if possible. The TPMS will not have to be trained if the sensor is reused.

NOTE: If the sensor is being reused, inspect the TPMS sensor for damage and install a new sensor as necessary.

NOTE: This step is only valid for vehicles with TPMS Snap-In Sensors.

1. **NOTICE:** To prevent TPMS sensor and valve stem damage, the valve stem must be installed onto the TPMS sensor and then installed into the wheel as an assembly.

Position the new valve stem onto the TPMS sensor and install the new screw.

Torque: 13 lb.in (1.5 Nm)



E187324

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

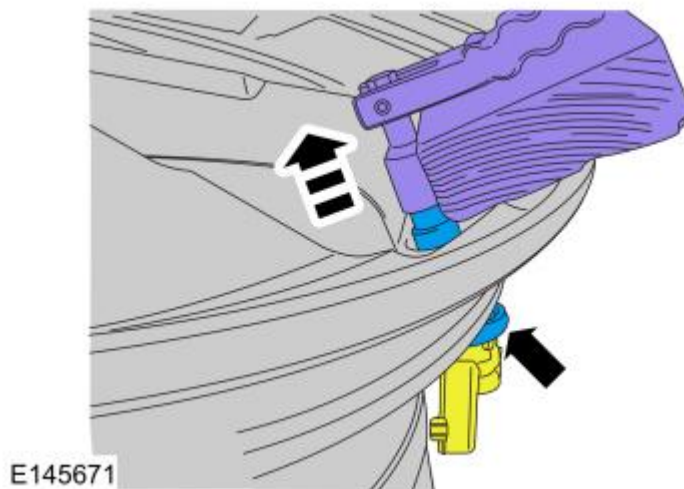
NOTE: *This step is only valid for vehicles with TPMS Snap-In Sensors.*

2. **NOTICE:** It is important to pull the valve stem and TPMS sensor assembly through the wheel rim hole in a direction parallel to the valve stem hole axis. If the assembly is pulled through at an angle, damage to the valve stem and sensor assembly may occur.

NOTICE: Use care not to damage the wheel surface when installing the valve stem and TPMS sensor assembly.

NOTE: *Lubricate the valve stem with soapy water and install the valve stem and TPMS sensor assembly into the wheel using a block of wood and a suitable valve stem installer.*

Using a suitable valve stem installer, install the new valve stem and TPMS sensor assembly.
Use the General Equipment: Wooden Block

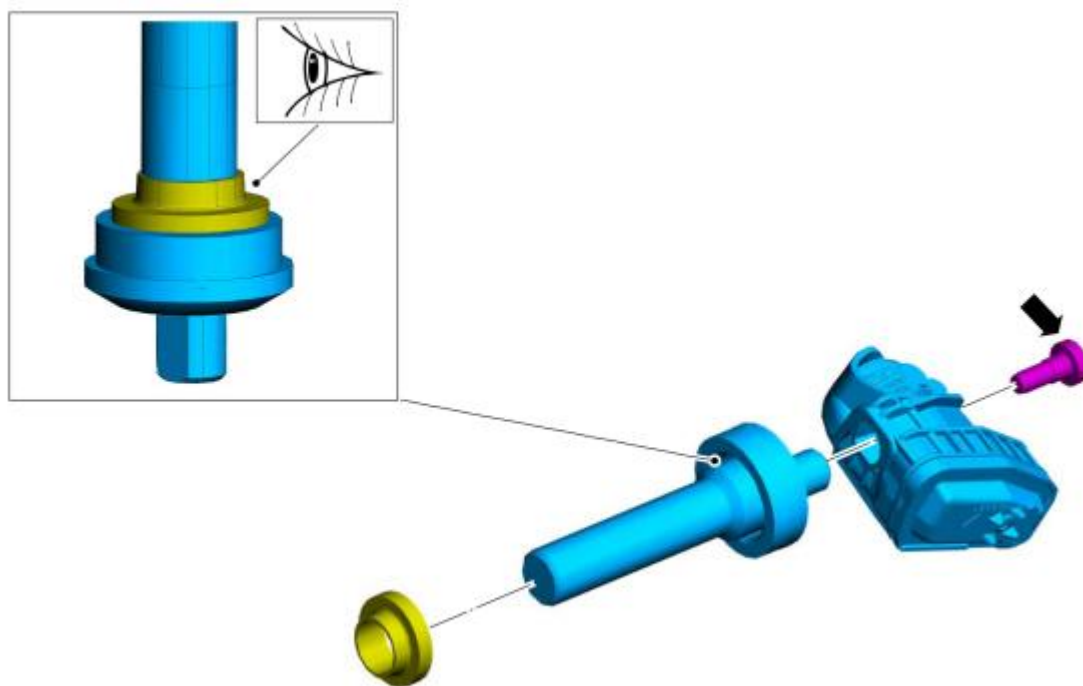


NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

NOTE: *This step is only valid for vehicles with TPMS Bolt-On Sensors.*

3. **NOTICE:** To prevent TPMS sensor and valve stem damage, the valve stem must be installed onto the TPMS sensor and then installed into the wheel as an assembly.

Torque: 13 lb.in (1.5 Nm)



E421584

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

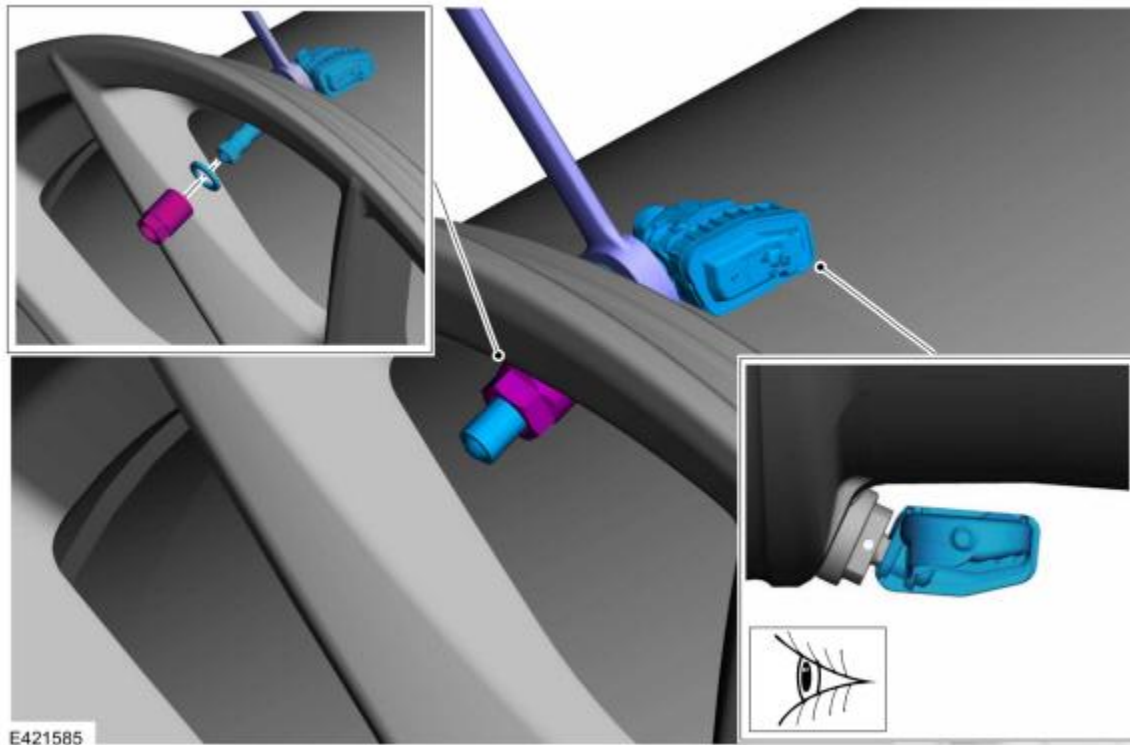
NOTE: *This step is only valid for vehicles with TPMS Bolt-On Sensors.*

4. **NOTICE:** Do not allow the TPMS sensor assembly to rotate when tightening the valve stem nut, damage to the TPMS sensor may occur.

NOTICE: Use care not to damage the wheel surface when installing the valve stem.

NOTE: *A new valve stem must be installed whenever a new tire or wheel is installed.*

- Install the new valve stem and TPMS sensor assembly.
- Tighten the valve stem nut.
Torque: 71 lb.in (8 Nm)



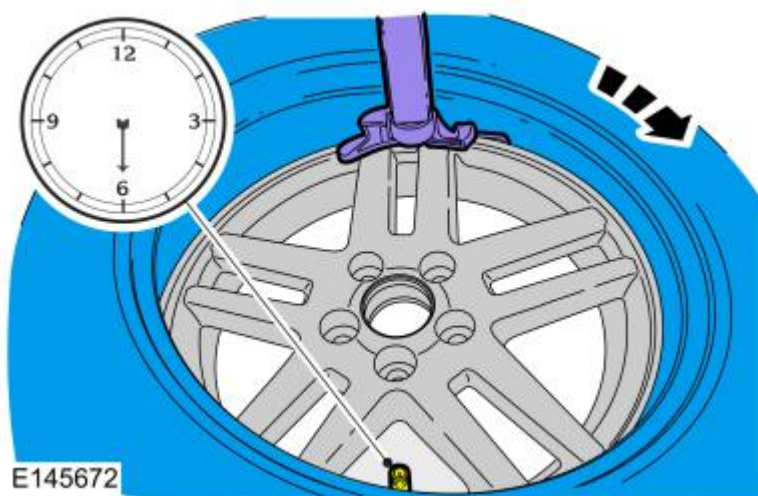
5. **NOTE:** *Lubricate the tire beads using a suitable fast-drying, corrosion-inhibiting tire bead lubricant.*

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

NOTE: Do not mount the tire at this time.

Position the wheel on the turntable of the tire machine, then lubricate and position the bottom bead of the tire on the wheel.

6. Position the wheel to align the valve stem with the machine arm, at the 6 o'clock position and mount the bottom bead of the tire.



7. Reposition the wheel to align the valve stem with the machine arm at the 6 o'clock position and mount the top bead of the tire.
8. **NOTE:** Use only the Digital Tire Pressure Gauge any time tire pressures are measured to be sure that accurate values are obtained.

Inflate the tire to the pressure specified on the VC label located on the driver door or door pillar.

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

NOTE: *Proceed to the next step if the tire beads do not seat at the specified inflation pressure.*

9.  **WARNING:** If there is a need to exceed the maximum pressure indicated on the sidewall of the tire in order to seat the beads, follow all steps listed below. Failure to follow these steps may result in serious personal injury.

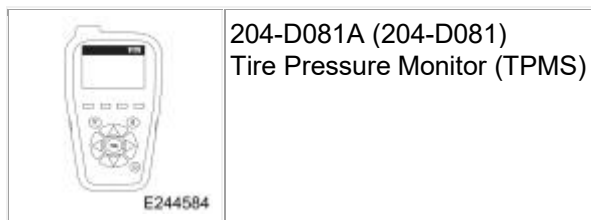
NOTICE: The following steps should only be carried out if the tire beads cannot be seated by inflating the tire up to the maximum inflation pressure listed on the tire sidewall.

1. Relubricate the tire bead and wheel bead seat area.
 2. Install a remote valve and pressure gauge.
 3. Wear eye and ear protection and stand at a minimum of 3.65 m (12 ft) away from the wheel and tire assembly.
 4. Inflate the tire using the remote valve and tire gauge until the beads have seated or until the pressure gauge is 138 kPa (20 psi) more than maximum inflation pressure on tire sidewall. If beads have not seated, deflate the tire and proceed to the next step.
 5. Place the wheel and tire assembly in an OSHA-approved tire safety cage.
 6. Inflate the tire using the remote valve and pressure gauge until the beads have seated or until the pressure gauge is 276 kPa (40 psi) more than maximum inflation pressure on the tire sidewall. **Do not exceed 276 kPa (40 psi) above the maximum pressure on tire sidewall. Install a new tire if the beads do not seat at this pressure.**
10. Install the wheel and tire.

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
 FORD PERFORMANCE PARTS © Ford Motor Company 2020

Tire Pressure Monitoring System (TPMS) Sensor Activation

Special Tool(s) / General Equipment



Activation

1. **NOTE:** *The tire pressure sensors will go into a sleep mode when the vehicle is stationary to conserve battery power. The sensors transmit information infrequently while in sleep mode. It is necessary to wake them up to transmit the latest tire pressure information.*

NOTE: *The tire pressure data in the BCM can be cleared when the module performs a reset. When this occurs, the air pressure DIDs are reset to the factory default of 1033 kPa (149.96 psi) and the cluster displays dashes. Drive your vehicle for at least 2 minutes over 32 km/h (20 mph) or until the tire pressures are displayed. Alternatively follow the procedure below:*

NOTE: *Position the vehicle 1m away from other vehicles to prevent interference from other vehicle tire pressure sensors.*

Turn the ignition switch to the ON position.

2. Position the special tool against the LF tire sidewall at the tire valve stem.
 Use Special Service Tool: 204-D081A (204-D081) Tire Pressure Monitor (TPMS).
3. **NOTE:** *The special service tool should provide feedback in the form of a beep for each successful response from a tire pressure sensor. This feedback confirms that the tire sensor has responded but does not confirm that the vehicle receiver module has heard the response.*

NOTE: *If the receiver module has not heard the sensor response, move the vehicle to rotate the wheels at least one-fourth of a turn and attempt to activate the sensor again. If the sensor is still not heard, attempt to activate again with the vehicle doors open.*

Press the test button on the special tool to activate the sensor.

Use Special Service Tool: 204-D081A (204-D081) Tire Pressure Monitor (TPMS).

4. Repeat Steps 2 and 3 for the remaining tires. The normal sequence is LF (as above) followed by RF , RR and LR .

Ford Factory Shop Manual purchase options www.motorcraftservice.com

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
 FORD PERFORMANCE PARTS © Ford Motor Company 2020

5. **NOTE:** *The TPMS sensor cannot be installed without disassembly of the wheel and tire.*

If a tire pressure sensor does not respond to the service tool when positioned against the tire sidewall at the valve stem, repeat the test with the tool antenna lightly resting on the valve cap. If after 3 attempts, one or more sensors does not respond or has a low battery, diagnose the TPMS and replace as necessary.

Refer to: Tire Pressure Monitoring System (TPMS) (204-04B Tire Pressure Monitoring System (TPMS), Diagnosis and Testing).

Tire Pressure Monitoring System (TPMS) Sensor Location Calibration

Special Tool(s) / General Equipment



Programming

NOTE: *The TPMS can be placed into learn mode using a diagnostic scan tool or manually where a diagnostic scan tool is not available.*

NOTE: *The horn sounds once and the TPMS indicator will flashes if the training mode has been entered successfully. If equipped, the message center displays TRAIN LF TIRE.*

1. **NOTE: Enter Training Mode With IDS Scan Tool**

1. Select Chassis.
2. Select TPMS .
3. Select Training Mode.
 Use the General Equipment: Ford Diagnostic Equipment

2. **NOTE: Enter Training Mode With FDRS Scan Tool**

1. Select Toolbox.
2. Select BCM .
3. Select BCM — TPMS Initialization.
 Use the General Equipment: Ford Diagnostic Equipment

Ford Factory Shop Manual purchase options www.motorcraftservice.com



M-MUSTANG-FPS1P,FPS2P,FPS3P,FPS7P Mustang GT – Passive Suspension FP800S Package

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

Programming

NOTE: Enter Training Mode Without Scan Tool

1. **NOTE:** *The horn sounds once and the TPMS indicator flashes if the training mode has been entered successfully. If equipped, the message center displays TRAIN LF TIRE.*

With the ignition off, press and release the brake pedal.

2. Using the start/stop switch, position the ignition from OFF to RUN 3 times, ending in the RUN position.
3. Press and release the brake pedal.
4. Position the ignition to OFF position.
5. Using the start/stop switch, position the ignition from OFF to RUN 3 times, ending in the RUN position.

Programming

NOTE: TPMS Sensor Training Procedure

1. **NOTE:** *It may take up to 6 seconds to activate a tire pressure sensor. During this time, the special tool must remain in place at the valve stem.*

Within 2 minutes of the horn sounding, place the special tool on the LF tire sidewall at the valve stem. Press and release the test button on the special tool. The horn briefly sounds to indicate that the tire pressure sensor has been recognized by the BCM .

Use Special Service Tool: 204-D081A (204-D081) Tire Pressure Monitor (TPMS).

2. Within 2 minutes of the horn sounding, place the special tool on the RF tire sidewall at the valve stem and press and release the test button to train the RF tire pressure sensor.
Use Special Service Tool: 204-D081A (204-D081) Tire Pressure Monitor (TPMS).
3. Repeat Step 1 for the RR within 2 minutes of the horn sounding, place the special tool on the RR tire sidewall at the valve stem and press and release the test button to train the RR tire pressure sensor. For LR tires within 2 minutes of the horn sounding, place the special tool on the LR tire sidewall at the valve stem and press and release the test button to train the LR tire pressure sensor. The procedure is completed after the last tire has been trained. When the training procedure is completed, the message center (if equipped) will display TIRE TRAINING COMPLETE. For vehicles not equipped with a message center, successful completion of the training procedure is verified by positioning the ignition to OFF without the horn sounding. If the horn sounds twice when the ignition is positioned to OFF, the training procedure was not successful.
4. Using the scan tool, locate the updated TPMS sensor identifiers trained to the BCM and document them on the applicable warranty claim.
Use Special Service Tool: 204-D081A (204-D081) Tire Pressure Monitor (TPMS).

Ford Factory Shop Manual purchase options www.motorcraftservice.com



M-MUSTANG-FPS1P,FPS2P,FPS3P,FPS7P Mustang GT – Passive Suspension FP800S Package

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

5. **NOTE:** *This step is required to clear DTC B1182:55, cause the BCM to exit the manufacturing mode and to make sure there are no other concerns with a newly programmed BCM .*

If the sensors are being trained due to the installation of a new BCM , clear any DTCs and carry out the BCM On-Demand Self-Test.

FP800S Passive Suspension, Wheels & Lug Nuts

[Instruction Sheet](#)

Side Marker Lamp Kit

[Instruction Sheet](#)

Service Procedures

Parking Aid Camera Initialization

1. Using a scan tool, select the APIM module for the parking aid camera(s).
2. Carry out the LIN new module initialization.
3. Follow the on-screen instructions.
4. Check the vehicle for the active guidelines option. Refer to description and operation in the appropriate vehicle section.
5. If equipped with active guidelines, drive the vehicle on a flat, smooth road at 32 km/h (20 mph) or more, with hands placed loosely on the steering wheel and minimal steering correction for approximately 30 seconds.

ProCal Wheel Speed Update

1. Connect Pro Cal 4 tool to the vehicle using the included cable.
2. Power vehicle on by pressing the start button, to full accessory mode (engine off).

It is recommended that you have the vehicle on a battery charger during these following operations. Loss of power during programming/configuration can cause corruption to the modules.

3. You will see this screen pop up once the Pro Cal 4 tool has finished loading.
4. Select Diagnostics & Tools
5. Select Tire/Gear Adjust

Ford Factory Shop Manual purchase options www.motorcraftservice.com

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
 FORD PERFORMANCE PARTS © Ford Motor Company 2020

6. Notice this will VIN lock this Pro Cal 4 device to this vehicle.
7. On this screen there is 2 parameters that can be adjusted: Only update the top parameter to Tire (Rev/mile).

Help finding the correct Rev/mile: Record your tire make, model and size and navigate to the tire manufacturer's website or tirerack.com to find the size specifications of your tires:

Description	Sizes	Specs	Warranty
SPECIFICATIONS			
View Specs for All Sizes >			
SELECTED SIZE			
Size:	LT315/70R17		
Service Description:	121/118Q ⓘ		
Load Range:	E ⓘ		
Eco Focus:	N/A ⓘ		
UTQG:	None ⓘ		
Max. Load:	3,195 lbs		
Max. Inflation Pressure:	65 psi		
Tread Depth:	19/32"		
Tire Weight:	77 lbs		
Rim Width Range:	8.5-10"		
Meas. Rim Width:	9.5"		
Sect. Width:	12.7"		
Tread Width:	10"		
Overall Diam.:	34.4"		
Revs. Per Mile:	604		
Country of Origin*:	US ⓘ		

8. Click Continue and then follow the on screen prompts as listed below.
9. It will now prompt for the vehicle's ignition to be turned off, then turned back on to key on to accessory mode (engine off).
10. Follow the prompts on screen, and wait the displayed amount of time that the Pro-Cal 4 needs to configure the modules.

Ford Factory Shop Manual purchase options www.motorcraftservice.com



M-MUSTANG-FPS1P,FPS2P,FPS3P,FPS7P
Mustang GT – Passive Suspension
FP800S Package

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF
FORD PERFORMANCE PARTS © Ford Motor Company 2020

11. Turn the ignition off once again, then turn the vehicle back on to accessory mode (engine off).
12. Go to Diagnostics & Tools
13. Select Service Functions
14. Select CDP Learn
 “CDP” = Configurable Data Parameters
15. Follow the prompts on screen.

Tire size learning is now complete.

Ford Factory Shop Manual purchase options www.motorcraftservice.com

2024MY+ MUSTANG FORD PERFORMANCE REAR EXTERIOR BADGE TEMPLATE

