



FORD PERFORMANCE

M-2300-W Focus ST Performance RS Front Brake Kit

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF FORD PERFORMANCE PARTS

Please visit www.performanceparts.ford.com for the most current instruction and warranty information.

PLEASE READ ALL OF THE FOLLOWING INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION. AT ANY TIME YOU DO NOT UNDERSTAND THE INSTRUCTIONS, PLEASE CALL THE FORD PERFORMANCE TECHLINE AT 1-800-367-3788

General Service Warnings

Review carefully the information below before beginning any repair. Following these warnings is a list of specific system warnings that must be reviewed before beginning work on any listed system.

⚠ WARNING: Vehicles with scheduled remote start technology may start at any time. Make sure the scheduled remote start system is disabled when servicing or working in close proximity to rotating engine parts. Failure to follow this instruction may result in serious personal injury.

⚠ WARNING: Wear eye and ear protection when servicing a vehicle. Failure to follow this instruction may result in serious personal injury.

⚠ WARNING: Wear protective gloves when handling components or parts that have pointed or sharp edges. Failure to follow this instruction may result in serious personal injury.

⚠ WARNING: Chemicals or materials specified in this manual, if used improperly, may present a personal health hazard. Always consult the material safety information sheet before using any material specified by this manual. Failure to follow this instruction may result in serious personal injury.

⚠ WARNING: Do not work under the hood of a vehicle with a damaged cooling fan, as it can separate during operation. With the ignition OFF, inspect all cooling fans for damage, cracks or separation and replace with a new fan as necessary. Failure to follow this instruction may result in serious personal injury.

⚠ WARNING: Cooling fans may run with the ignition off. Disable the fans before working nearby. On electric vehicles, disconnect the charging cable to prevent unexpected fan operation. Failure to follow this instruction may result in personal injury.

⚠ WARNING: Vehicles with engine auto start-stop technology may start automatically with the ignition on. Make sure the ignition is off when servicing or working in close proximity to rotating engine parts. Failure to follow this instruction may result in serious personal injury.

⚠ WARNING: Serious injury may occur if the engine is accidentally started by another person during service work. Remove the key from the vehicle to prevent unauthorized starts. Failure to follow this instruction may result in serious personal injury.

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⚠ WARNING: Before lifting the vehicle with a jack, make sure the jack capacity is adequate for the vehicle weight, including any vehicle cargo or modifications. Identify the correct jacking points in section 100-02 of this manual. Position the vehicle on a hard, level surface. After jacking, always support vehicle with jack stands. Never get under a vehicle supported only by a jack. Set the parking brake and block all wheels remaining on the ground. Failure to follow these instructions may result in unintended vehicle movement and serious personal injury or death.

⚠ WARNING: Before raising the vehicle on a hoist, make sure the hoist capacity is adequate for the vehicle weight, including any vehicle cargo or modifications. Always position the hoist lift arms as shown in section 100-02 of this manual. Do not use the engine to power the drive wheels unless all drive wheels are elevated off the ground. Incorrect hoist arm positioning or drive wheels in contact with the ground can cause unintended vehicle movement. Failure to follow these instructions may result in serious personal injury or death.

⚠ WARNING: Removal of heavy components (such as engines, transmissions or axles) while the vehicle is lifted on a hoist may create a dangerous weight imbalance. Restrain the vehicle on the hoist with chains or straps to prevent vehicle movement. Failure to follow this instruction may result in serious personal injury or death.

⚠ WARNING: Always secure transmission, transfer case, and axle assemblies to their service jack. Avoid obstructions while lowering and raising the jack. Improperly secured assemblies or contact with obstructions may cause the assembly to fall off the jack, which could result in serious personal injury.

⚠ WARNING: Always secure engines, transmissions, or other heavy components to the support fixture with straps and wooden support blocks. Improperly secured assemblies could fall off the fixture, resulting in serious personal injury.

⚠ WARNING: Never support an engine by the intake or exhaust manifolds. The engine may drop suddenly. Failure to follow this instruction may result in serious personal injury.

⚠ WARNING: Turn off (disable) the power running boards (if equipped) before jacking, lifting or placing any object under the vehicle. Never place your hand between the power running board and the vehicle. Extended power running boards will retract when doors are closed. Failure to follow these instructions may result in serious personal injury.

⚠ WARNING: Keep solvents away from ignition sources. Solvents may be flammable and can ignite or explode if not handled correctly. Failure to follow this instruction may result in serious personal injury.

⚠ WARNING: Use tools, not fingers, to hold flagnuts. Flagnuts may slip or spin unexpectedly when removing fasteners. Failure to follow this instruction may result in injured fingers.

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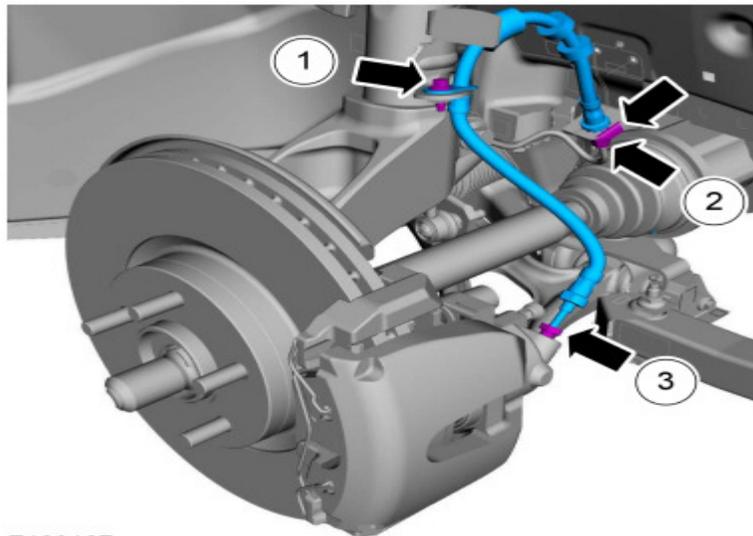
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Kit contains:

- 1 - RS RH Loaded Front Caliper
- 1 - RSLH Loaded Front Caliper
- 2 – RS Front Rotor
- 2 – RS Front Brake Hose
- 1 – RS RH Air Deflector
- 1 – RS LH Air Deflector
- 2 – Brake Line Retaining Screw
- 2– Brake Line Retaining Clip
- 4– Caliper to Knuckle Bolt
- 2– Push Pin
- 6– Splash Shield Retaining Screw

1. Remove the wheel and tire.
2. Remove the brake flexible hose bracket bolt. (#1)
2. Disconnect the brake tube fitting and remove the brake hose clip. (#2)
3. Loosen the brake hose fitting and remove the brake flexible hose. (#3)



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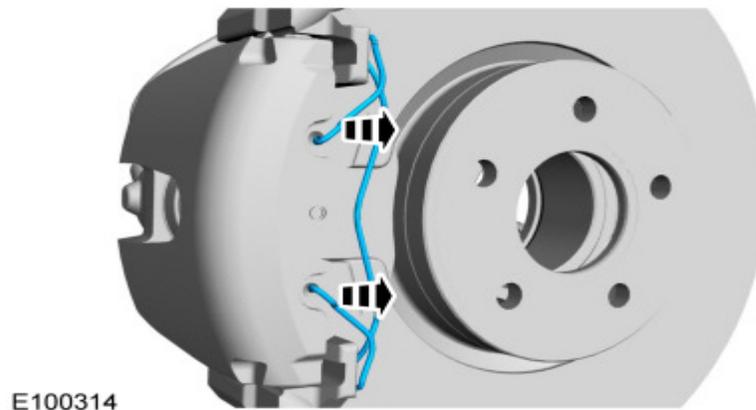


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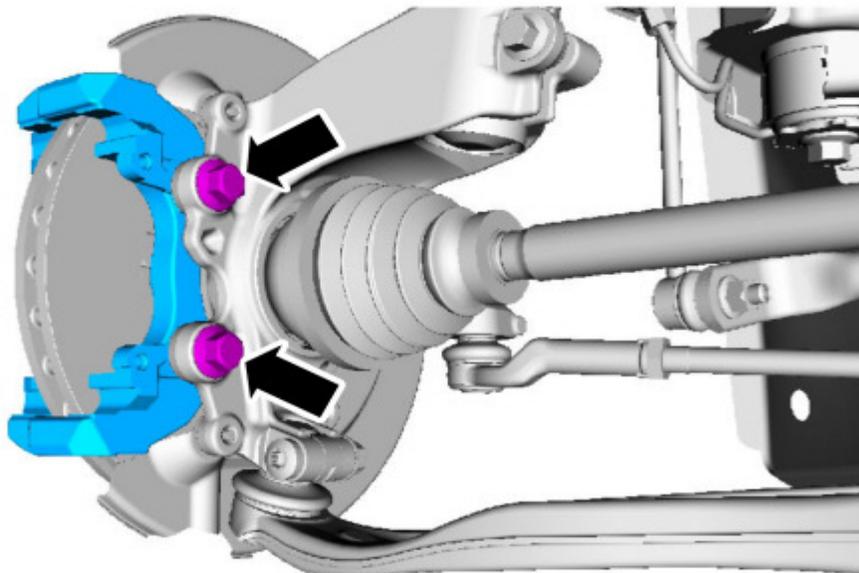
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4. Remove the brake caliper spring.



5. Remove the bolts and the brake caliper anchor plate.



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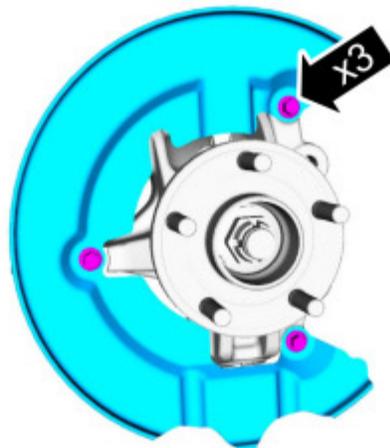
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6. Remove the brake rotor.



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7. Remove the bolts and splash shield.



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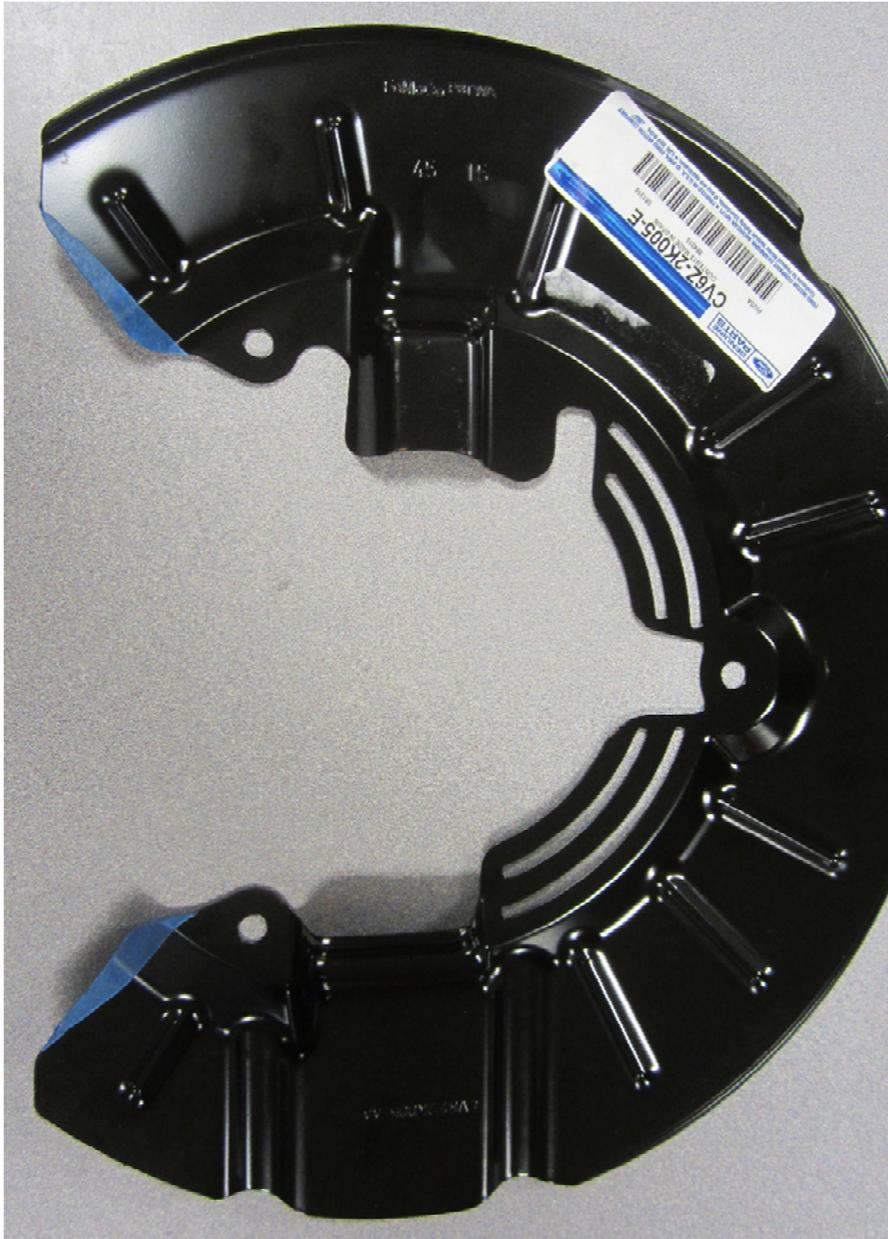
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8. Modify the factory ST brake splash shields for RS caliper clearance. Remove material from the blue area. (LH shown)

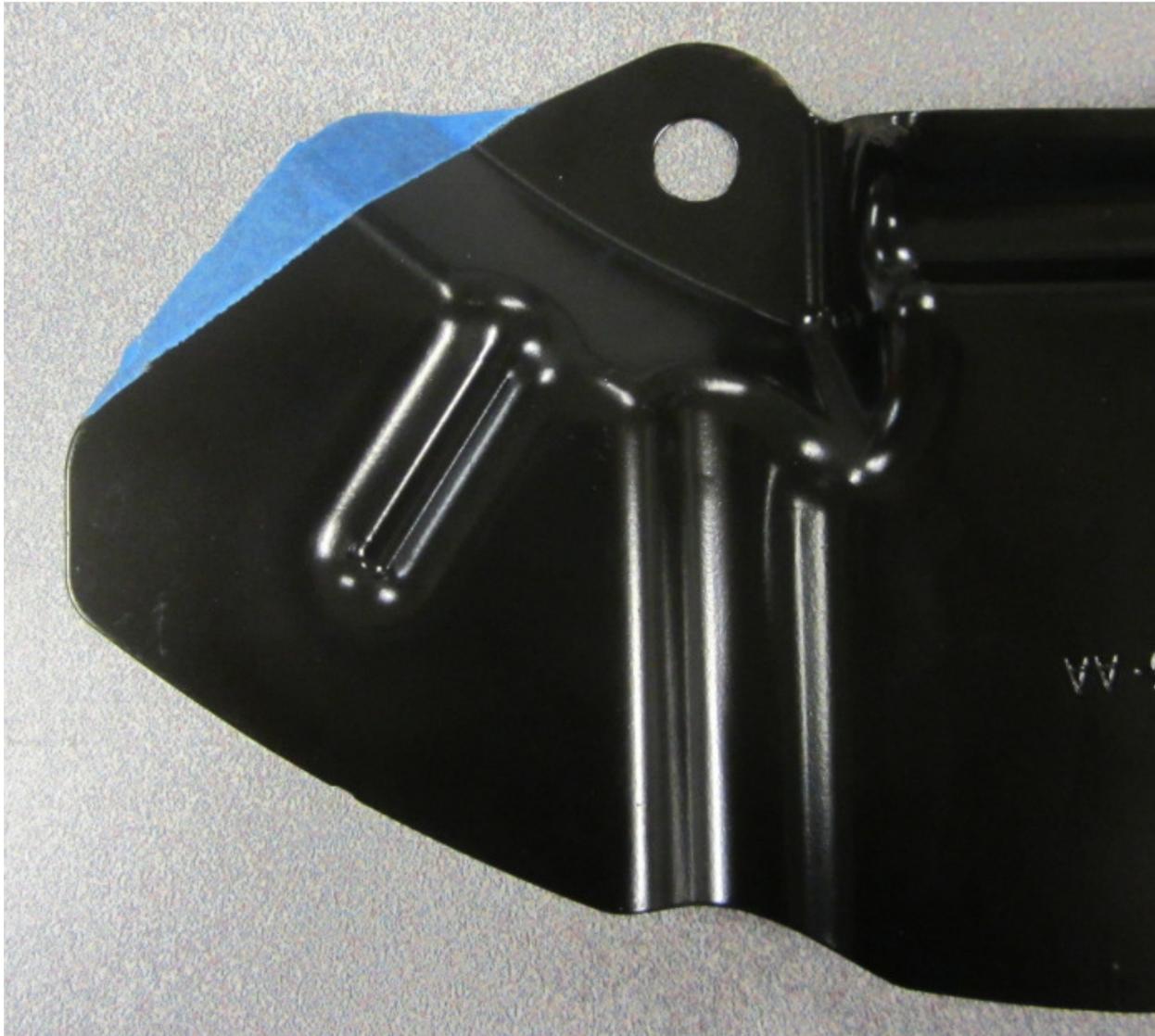
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Close up lower.

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Close up upper.

9. Install brake splash shield by reversing removal procedure.
Torque: 22 lb.ft (30 Nm)

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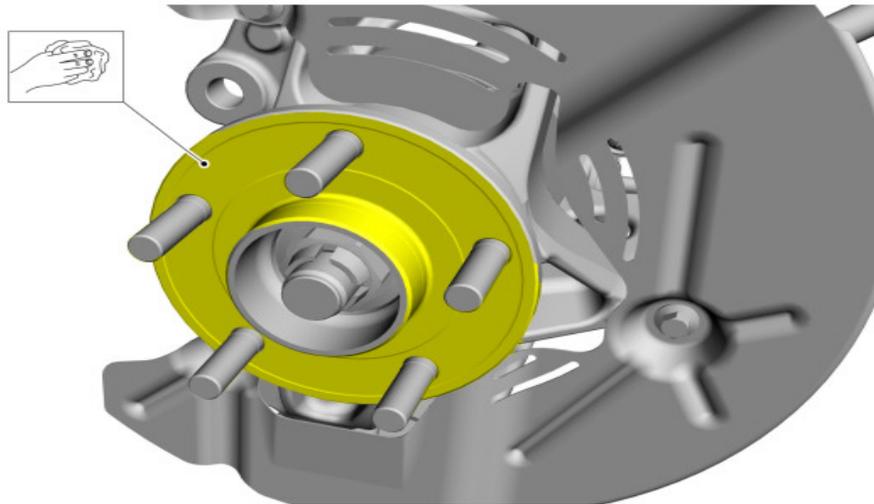
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Install RS brake rotor

1. **NOTICE:** Make sure that the mating faces are clean and free of corrosion and foreign material.



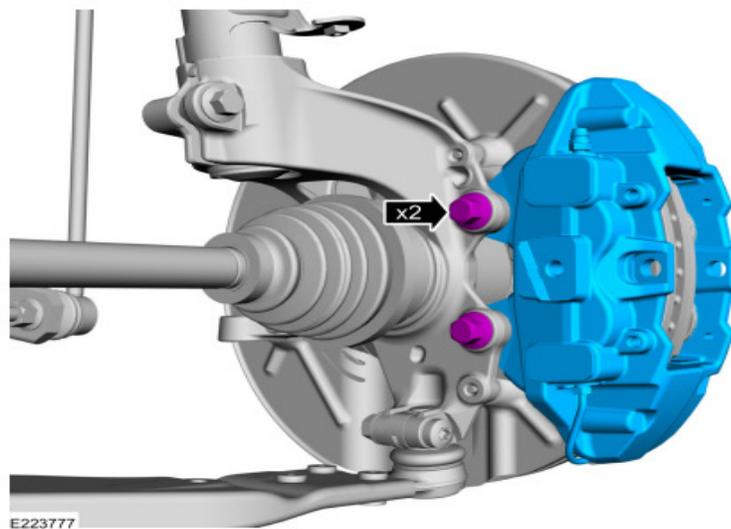
Install the brake caliper

NOTE: Make sure that new bolts are installed.

Torque:

Stage 1: 85 lb.ft (115 Nm)

Stage 2: 90°



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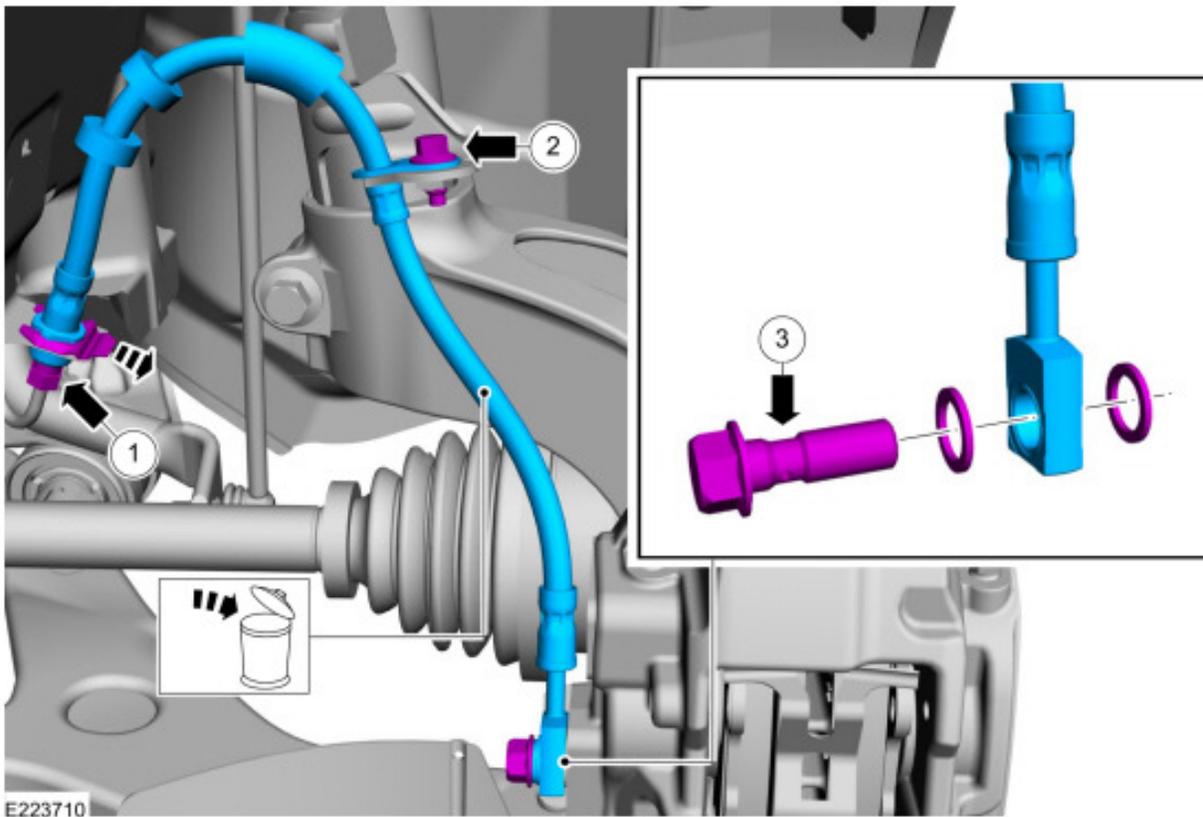
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Install brake hose

1. Position the brake hose, install the clip and connect the brake tube fitting.
Torque: 133 lb.in (15 Nm)
2. Install the brake flexible hose bracket bolt.
Torque: 89 lb.in (10 Nm)
3. Tighten the brake flexible hose fitting.
Torque: 35 lb.ft (47 Nm)



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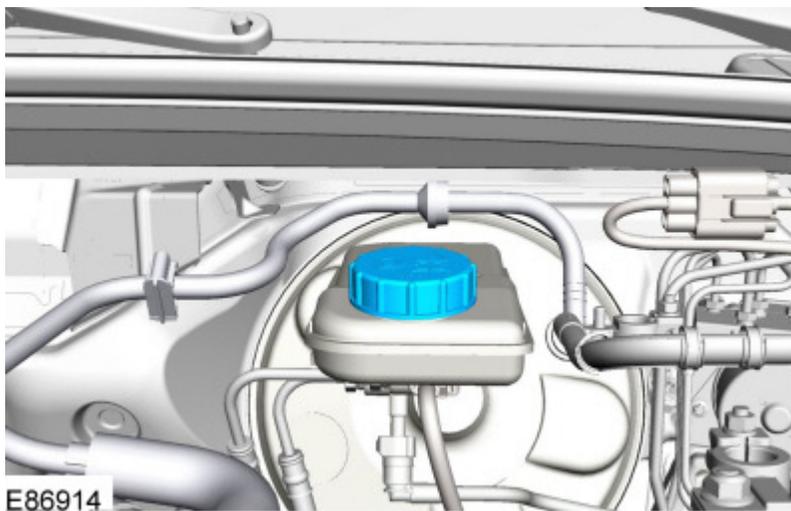
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Bleed Brakes

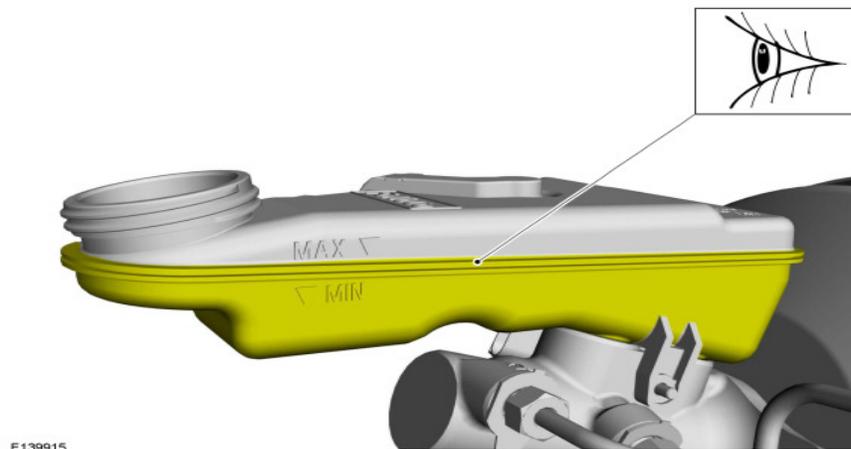
NOTICE: If the fluid is spilled on the paintwork, the affected area must be immediately washed down with cold water.

1. **NOTE:** Make sure the area around the master cylinder cap is clean and free of foreign material.

Remove the brake fluid reservoir cap.



2. Make sure the fluid reservoir is filled with clean specified brake fluid.



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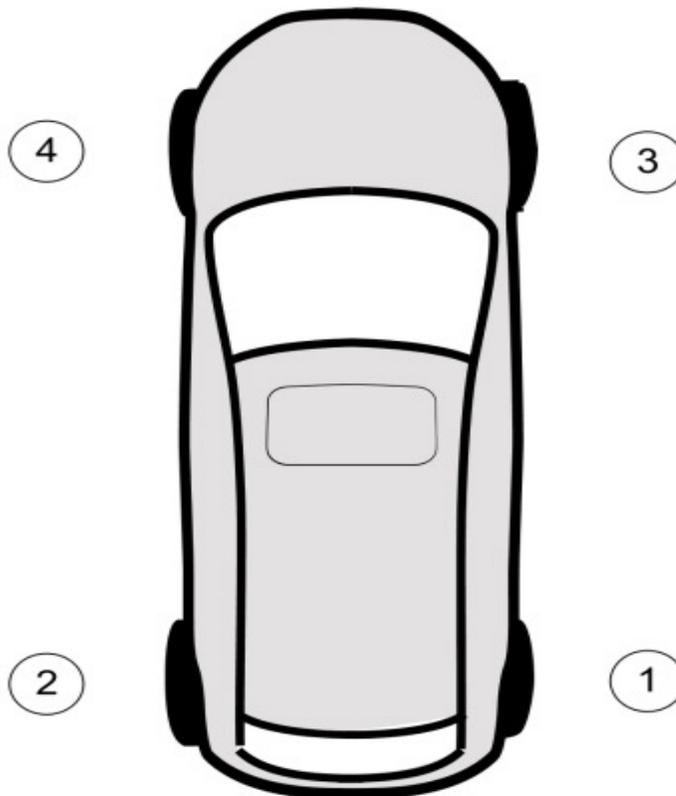
- 3.
1. **NOTE:** *Master cylinder pressure bleeder adapter tools are available from various manufacturers of pressure bleeding equipment. Follow the instructions of the manufacturer when installing the adapter.*

Install the bleeder adapter to the brake master cylinder reservoir and attach the bleeder tank hose to the fitting on the adapter.

2. **NOTE:** *Make sure the bleeder tank contains enough clean, specified brake fluid to complete the bleeding operation.*

Open the valve on the bleeder tank and apply 207-345 kPa (30-50 psi) to the brake system.

5. Bleeding steps must be followed in the order indicated in the graphic.



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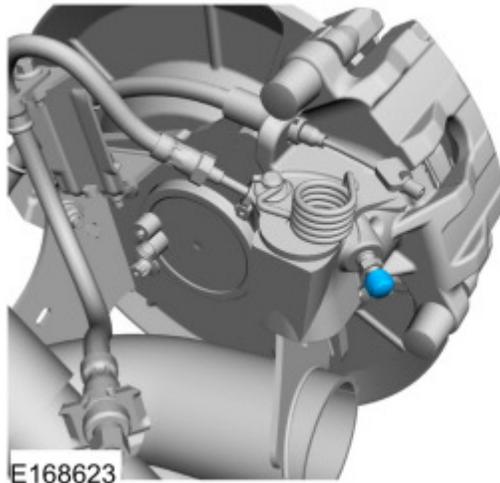


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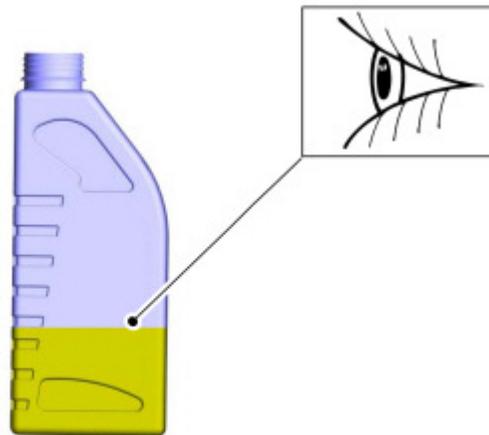
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6. If equipped, remove the bleeder screw cap.



7. Partially fill a clean brake fluid container with clean specified brake fluid.



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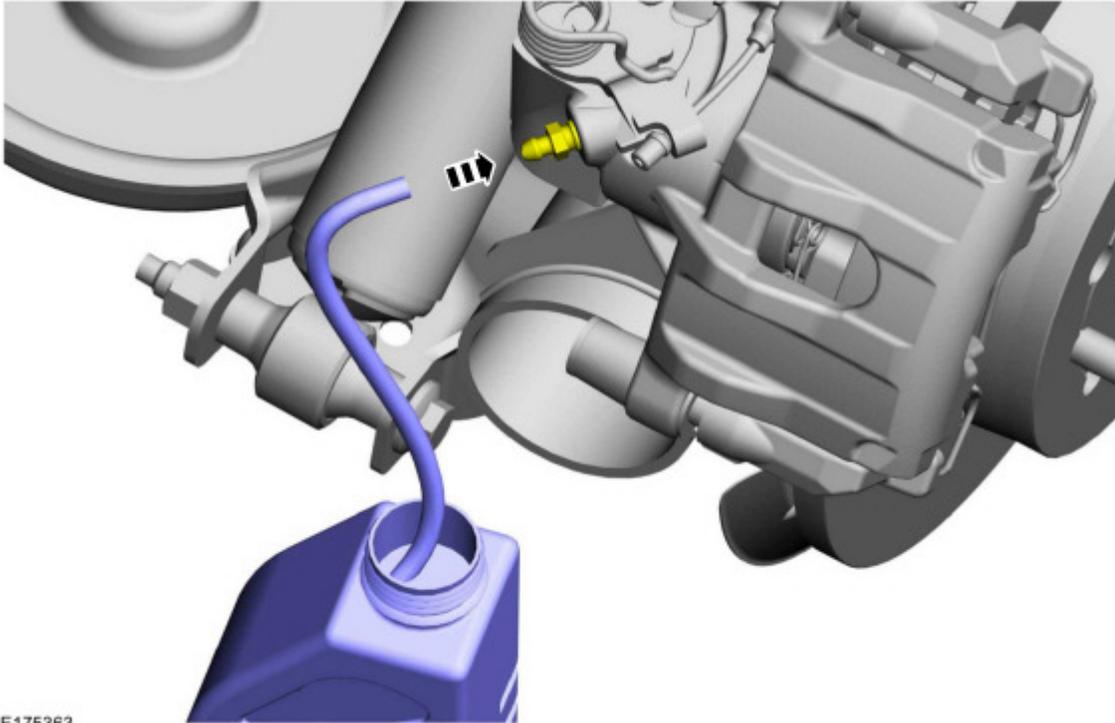


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8. Submerge a hose into the brake fluid in the container and connect the hose to bleeder screw.



9.
 1. Loosen the bleeder screw.
Loosen:
: 180°
 2. Leave open until clear, bubble-free brake fluid flows, then tighten the bleeder screw.

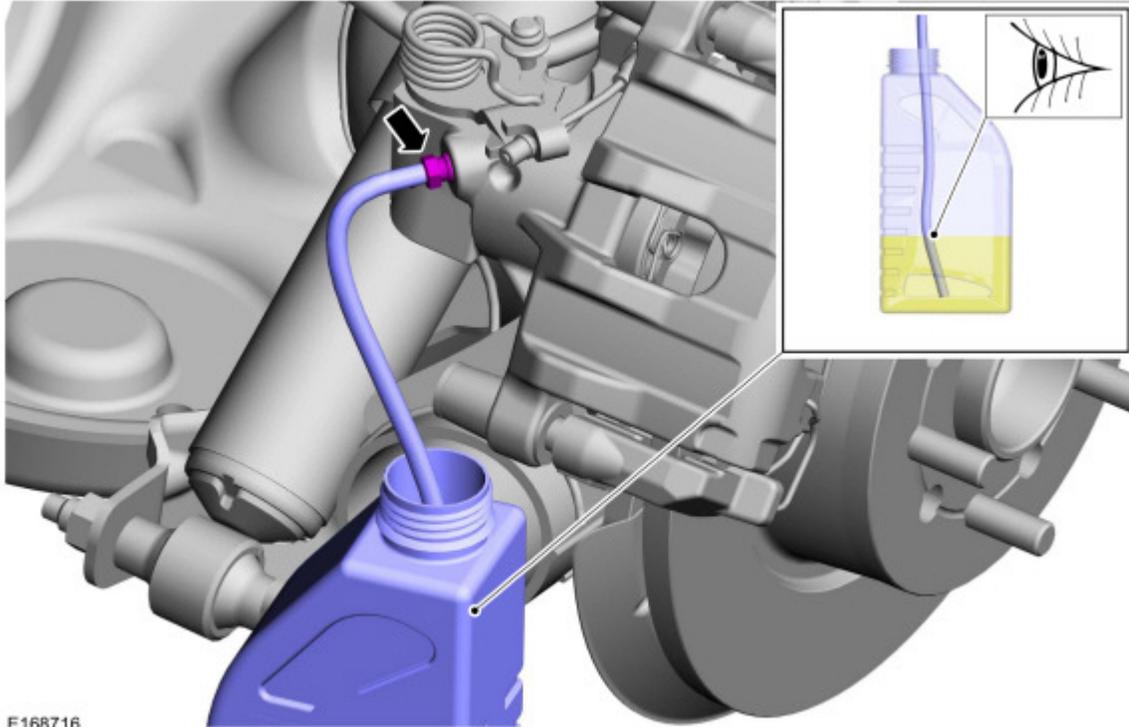
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10.

1. Disconnect the hose and tighten the bleeder screw to specification.

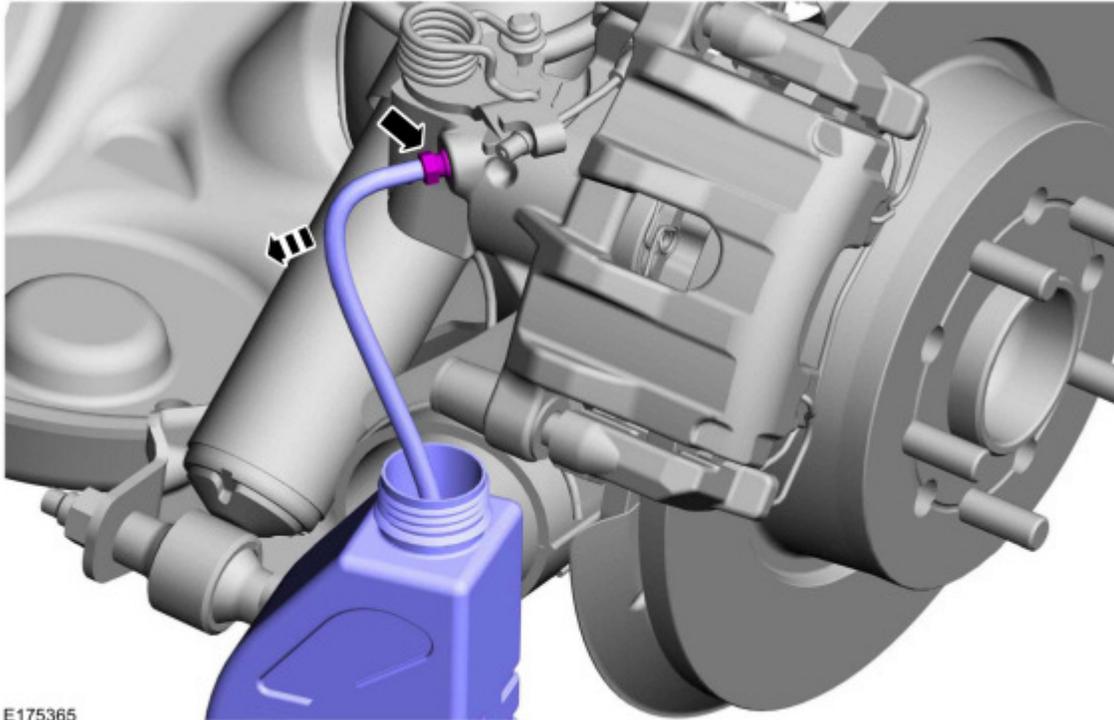
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11. Repeat steps 8-10 at the remaining wheel ends.

Vehicles with rear integral parking brake calipers

12. **NOTE:** *Due to the complexity of the fluid path within the rear integral parking brake calipers, it is necessary to apply and release the parking brake during the bleed procedure.*

1. Apply and release the parking brake 5 times.
2. Loosen the bleeder screw.
Loosen: 180°
3. Leave open until clear, bubble-free fluid flows and then tighten the bleeder screw to specification.
4. Repeat as necessary.

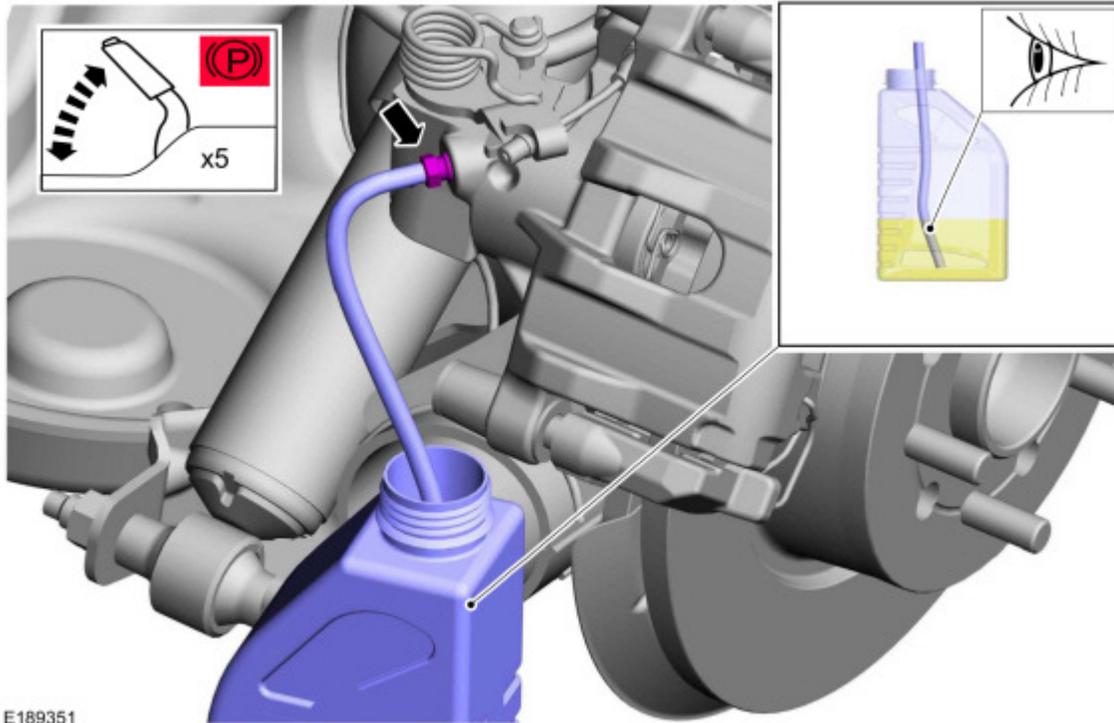
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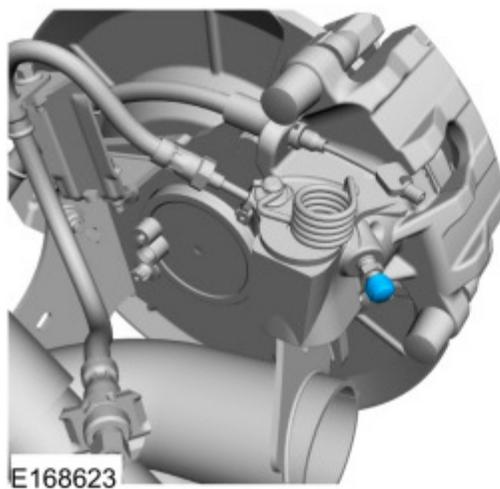
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13. If equipped, install the bleeder screw cap.



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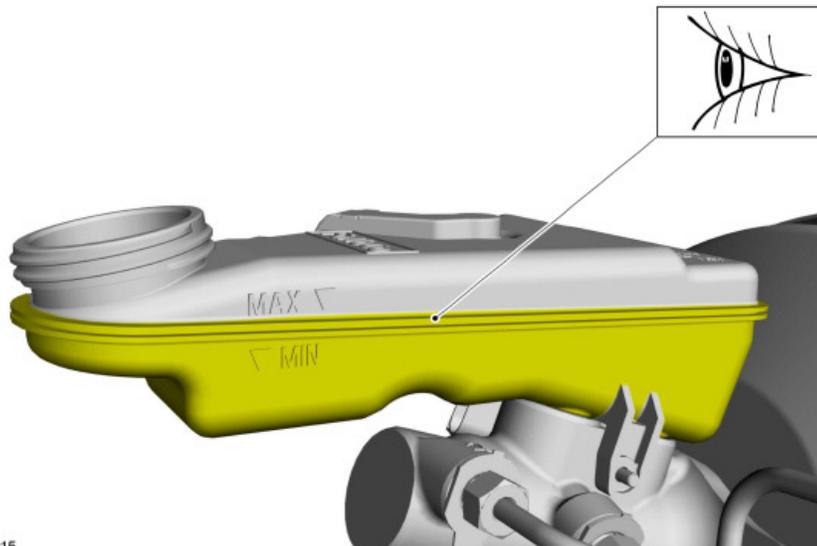


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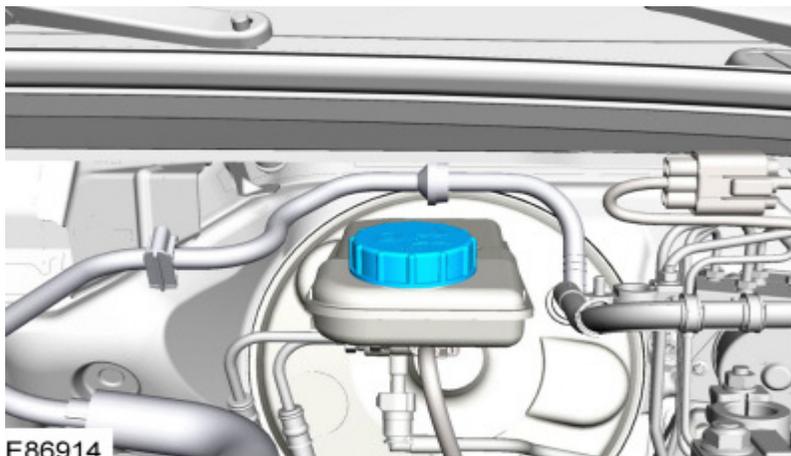
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14. Lower the vehicle.
15. Close the bleeder tank valve and release the pressure.
16. Fill the reservoir with clean, specified brake fluid.



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17. Install the brake fluid reservoir cap.



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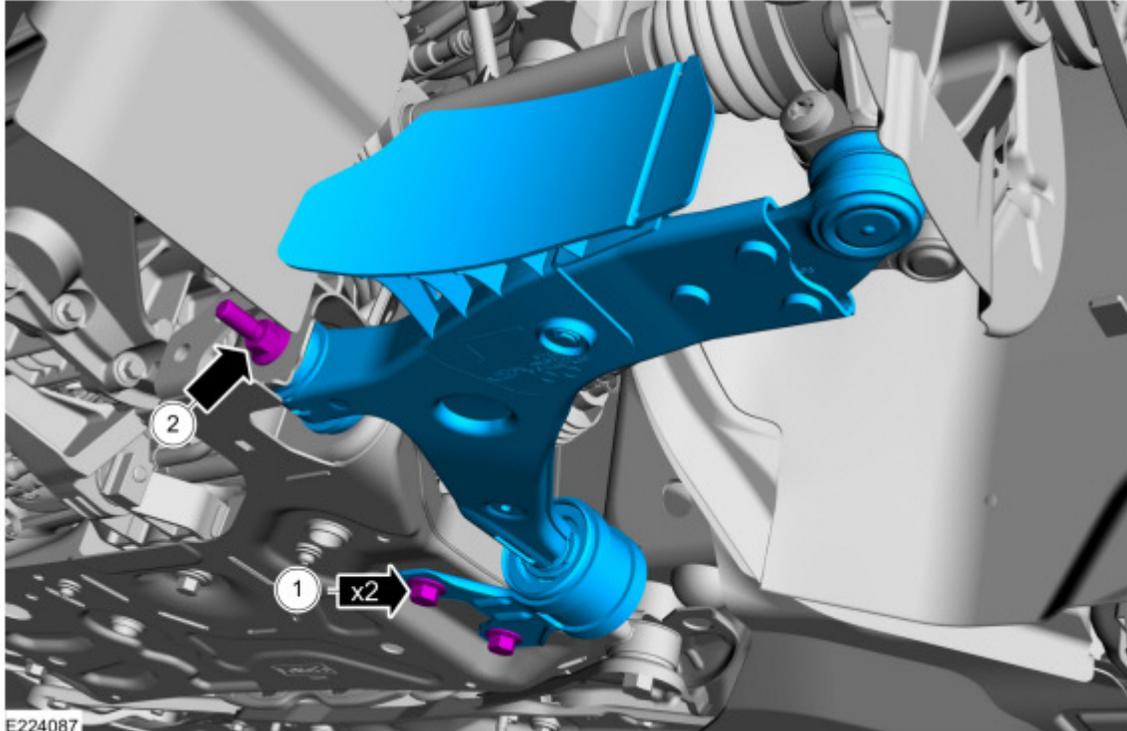
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Install air deflectors

The air deflectors have a large letter L or R molded into the part.

The L deflector goes on the driver's side.

The R deflector goes on the passenger's side.



Slide deflectors onto the lower control arm.
Install push pins to retain the deflector.

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Trim inner wheel wells to allow direct air flow to deflectors.



LH side shown

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RH side shown

Install wheel and tire

⚠ 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 lubrication 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.

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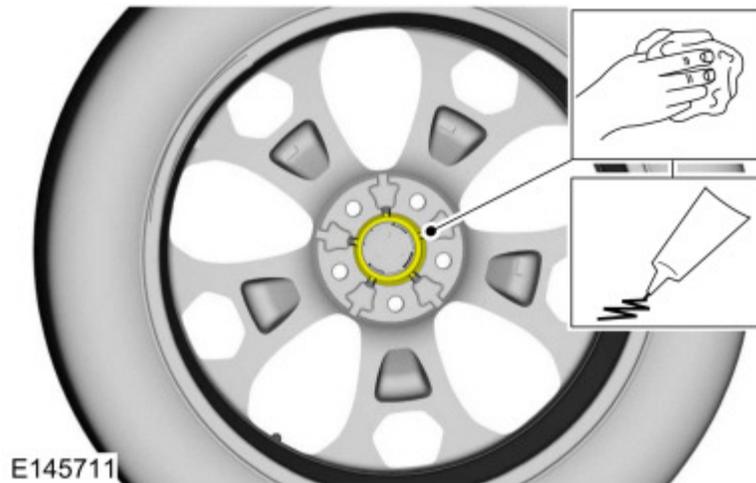


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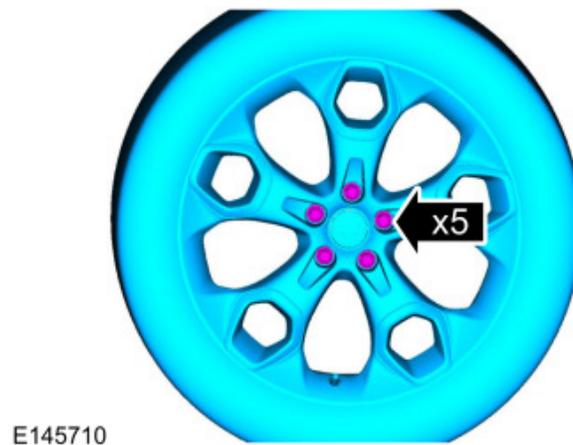
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Clean the specified component with the specified material. Apply the substance from the specified tube. Apply a thin coat of anti-seize lubrication to the interface between the wheel pilot bore and the hub pilot.
Material: High Temperature Nickel Anti-Seize Lubricant / XL-2



Finger tight only at this stage.
Install the wheel and the wheel nuts.



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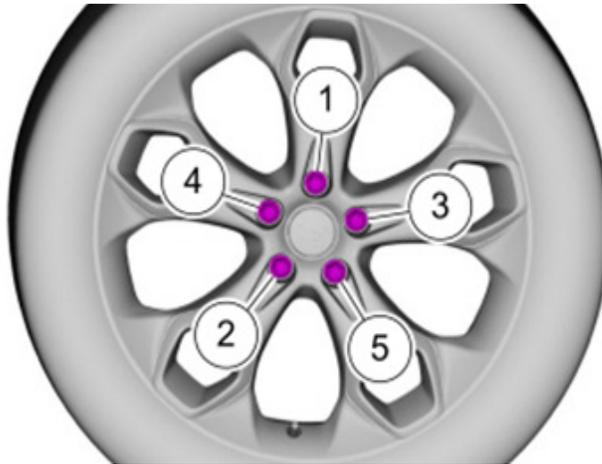
⚠ WARNING: Retighten wheel nuts within 160 km (100 mi) after a wheel is reinstalled. Wheels can loosen after initial tightening. Failure to follow this instruction may result in serious injury to vehicle occupant(s).

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 the sequence shown.
Torque: 100 lb.ft (135 Nm)



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