

M-4033-DR
Bronco Raptor Axle Differential Cover

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

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



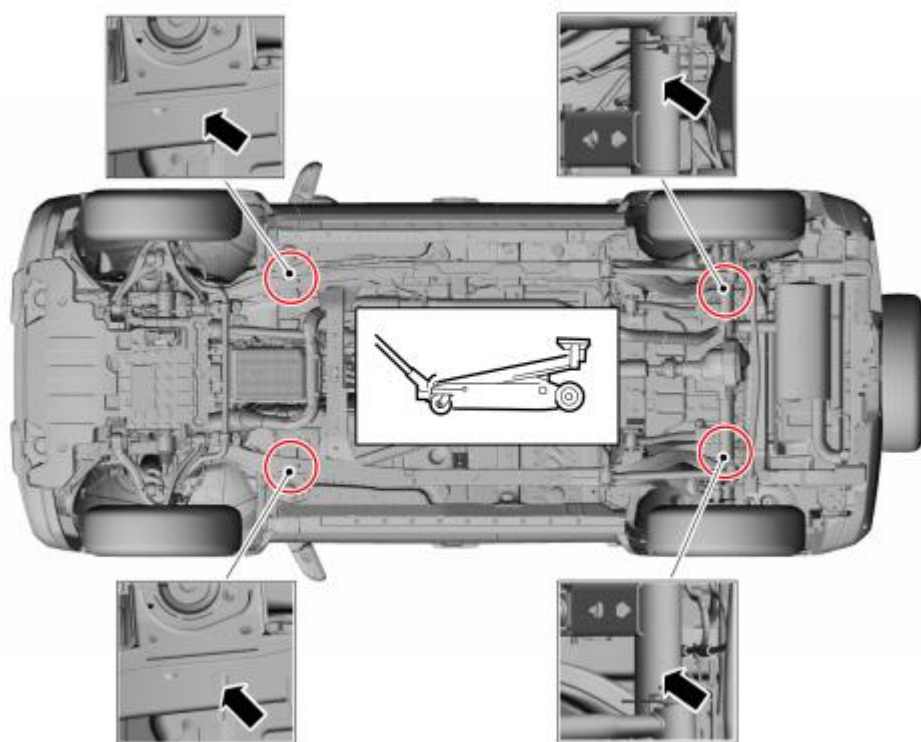
Kit Contents
Differential Cover
11 Bolts
3 Studs
Drain Plug
2 Fill Plugs
Gasket

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Put vehicle on hoist per Jacking and Lifting Overview

Jacking Points



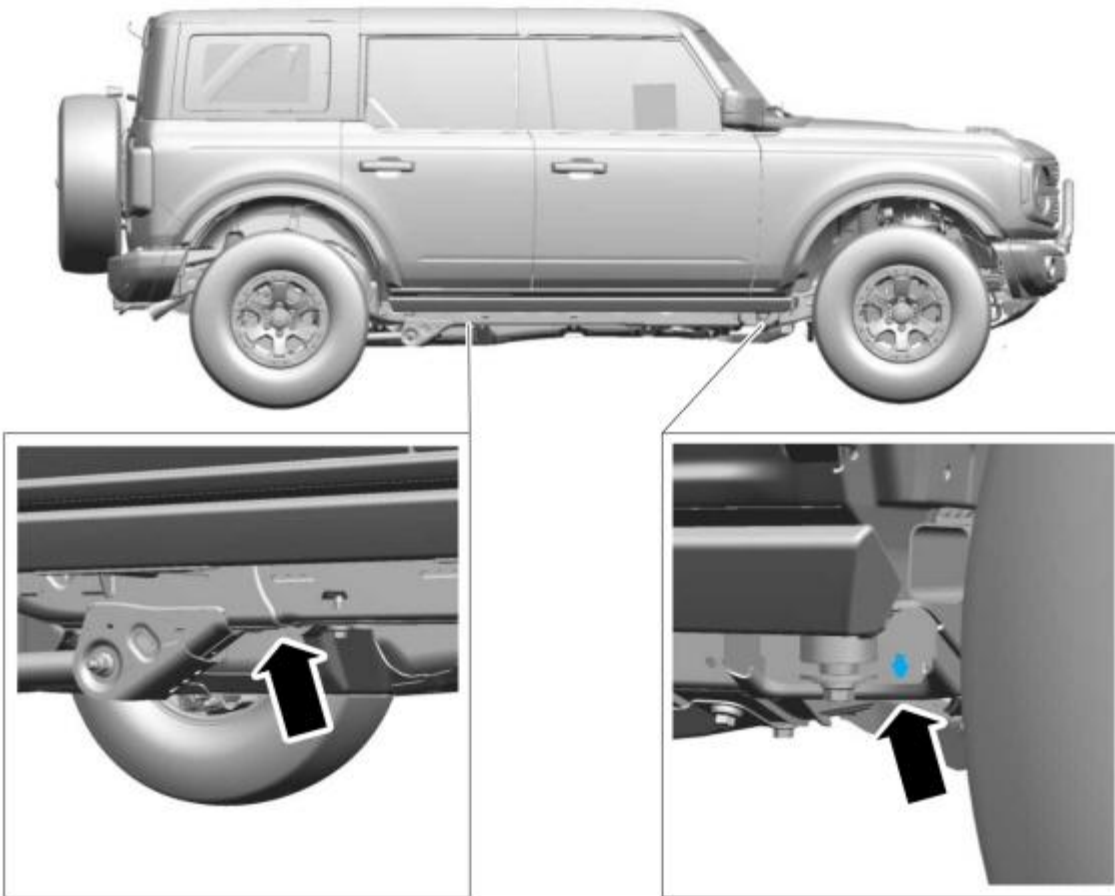
E354387

NOTE: 4-door shown, 2-door similar.

Only the specified jacking points may be used for jacking and supporting the vehicle.

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Lifting Points




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NOTE: 4-door shown, 2-door similar.

NOTE: RH side shown, LH side similar.

The lifting points for both the 2 and 4-door variants are aft of the front wheels on the chassis frame as indicated, and fore of the suspension rear trailing arm on the chassis frame.

 **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.

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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:** Position the hoist lift arms as shown in the illustration. Incorrect positioning could result in vehicle slipping or falling from the hoist. Failure to follow this instruction may result in serious personal injury.

 **WARNING:** Never get underneath a vehicle that is supported only by a jack. The jack could unintentionally lower. Always support vehicle with floor stands. Failure to follow these instructions may result in serious personal injury.

 **WARNING:** Identify the correct jacking points by locating the triangle stamped into the uni-body sheet metal or vehicle frame or molded into the body rocker moulding. Raising a vehicle in any other location may result in vehicle shifting or falling. Failure to follow this instruction may result in serious personal injury.

 **WARNING:** Only raise the vehicle when positioned on a hard, level surface. Attempting to raise the vehicle on an uneven or soft surface may result in vehicle slipping or falling from the jack or jackstand. Failure to follow this instruction may result in serious personal injury.

 **WARNING:** When jacking or lifting the vehicle, block all wheels remaining on the ground. Set the parking brake if the rear wheels will remain on the ground. These actions help prevent unintended vehicle movement. Failure to follow these instructions may result in serious personal injury.

NOTICE: The jack provided with the vehicle is intended to be used in an emergency for changing a deflated tire. To avoid damage to the vehicle, never use the jack to hoist the vehicle for any other purpose.

NOTICE: Do not attempt to jacking on the front bumper or the rear bumper on any vehicle. Damage to bumper covers will occur.

NOTICE: Do not attempt to jacking on the front control arm or rear control arm on any vehicle. Damage to control arms may occur.

NOTICE: Do not use the differential housing as a lift point. Leaks or damage to the rear axle cover and adjoining differential housing surface may occur if a floor jack or any lifting device is allowed to contact the cover at any point where the cover joins the housing.

NOTICE: Place blocks underneath the lifting points if a two-column hoist is used.

NOTICE: Damage to the suspension, exhaust or steering linkage components may occur if care is not exercised when positioning the hoist adapters prior to lifting the vehicle.

NOTICE: To prevent possible damage to the underbody, do not drive the vehicle onto the drive-on lift without first checking for possible interference.

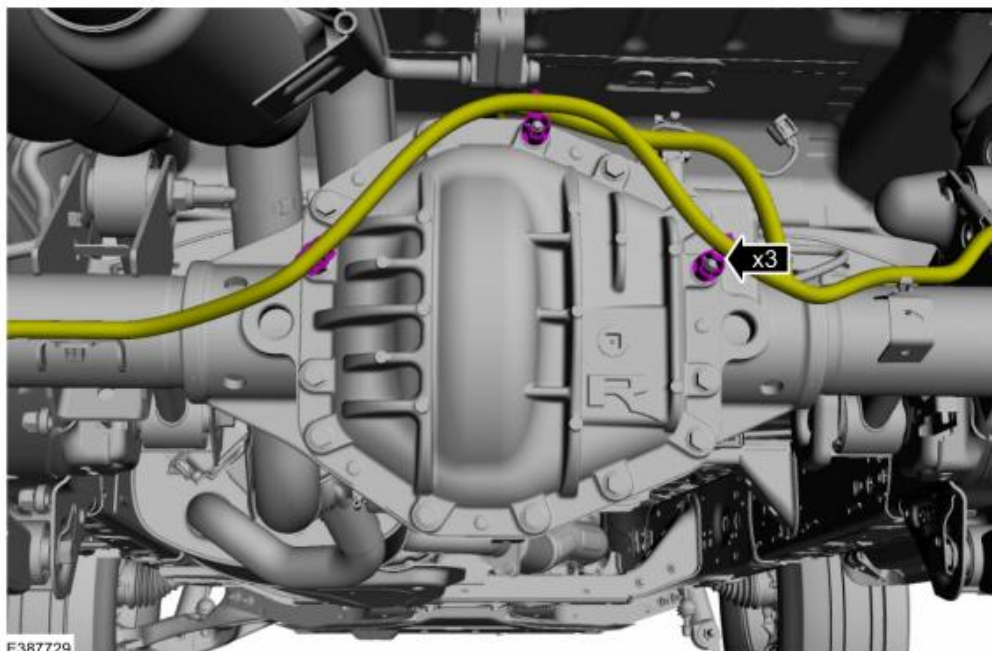
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NOTICE: When raising a vehicle on a two-column hoist, use care when positioning the vehicle so that the hoisting forks do not interfere with suspension components, mounting brackets or stabilizer mounting brackets, if equipped. In addition, use care in hoist positioning to avoid possible damage to the axle or rear cover.

Cover Removal

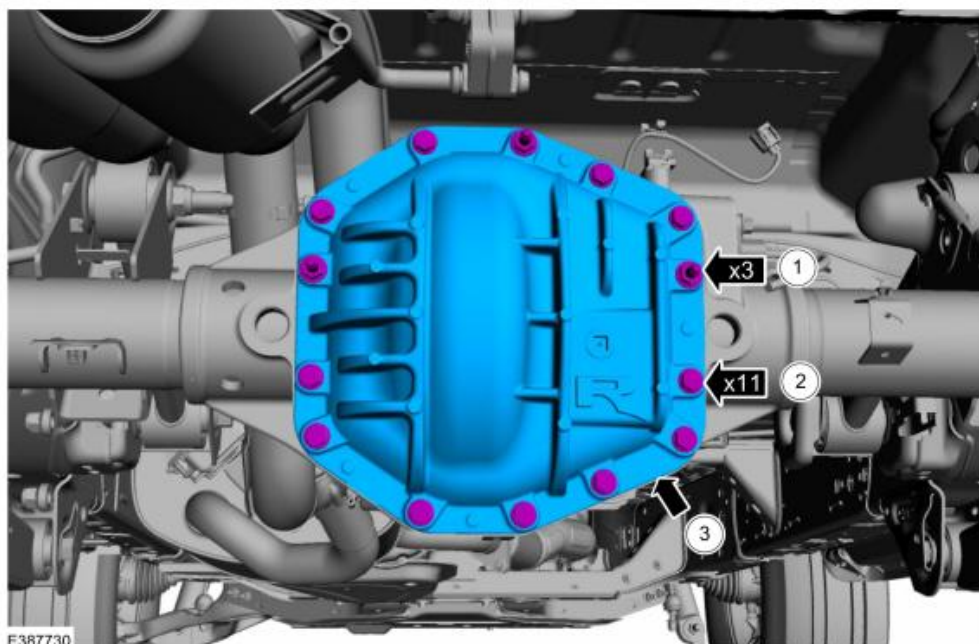
Detach the tube clips and the brake hose from the differential housing cover studs.



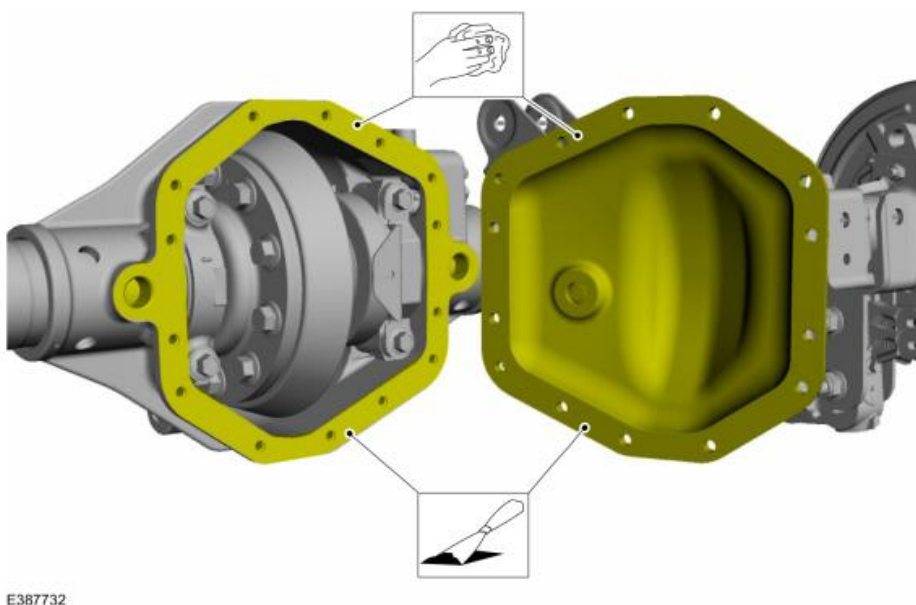
To drain fluid, loosen bolts and studs slowly. Once drained, remove bolts and studs to remove cover.

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Clean the gasket mating surfaces of the axle and the differential housing cover.



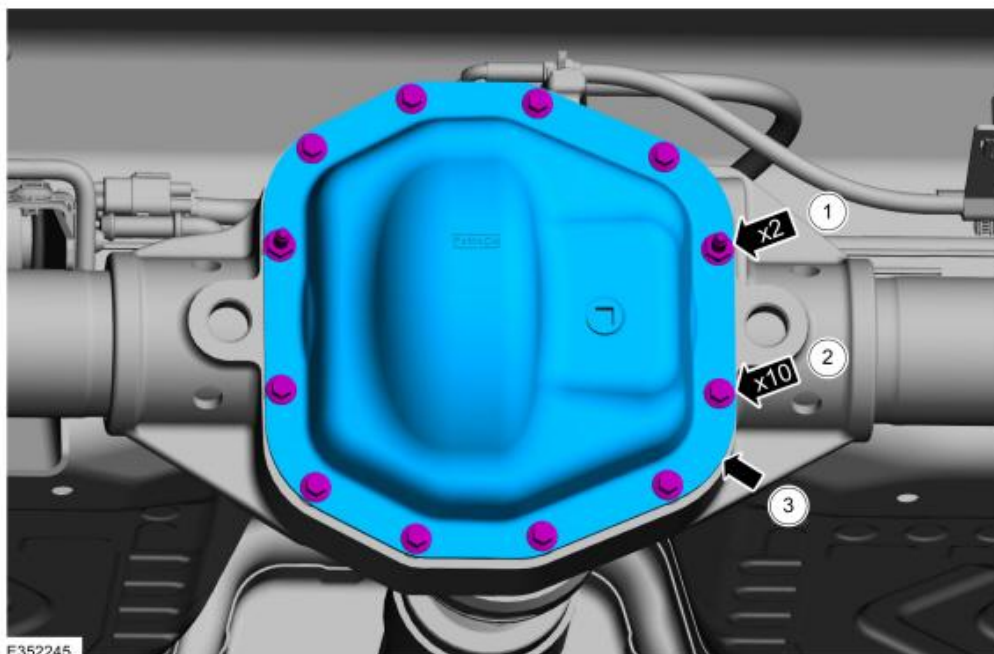
Install cover with supplied gasket and hardware.

Install the supplied differential housing cover bolts (tube clips are to be reused), Torque to 29.5 lb.ft (40 Nm) using a cross pattern until all bolts are torqued. Shown with Ford Production cover.

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Install magnetic drain plug, torque to 22 ft. lb (30Nm).

Install upper fill plug, torque to 22 ft. lb (30Nm).

Fill differential with Motorcraft Axle Lubricant through the bottom fill hole until the lubricant begins to drain back out, install plug, torque to 22 ft. lb (30Nm). See owners manual for specific type of Axle Lubricant and fill amount.