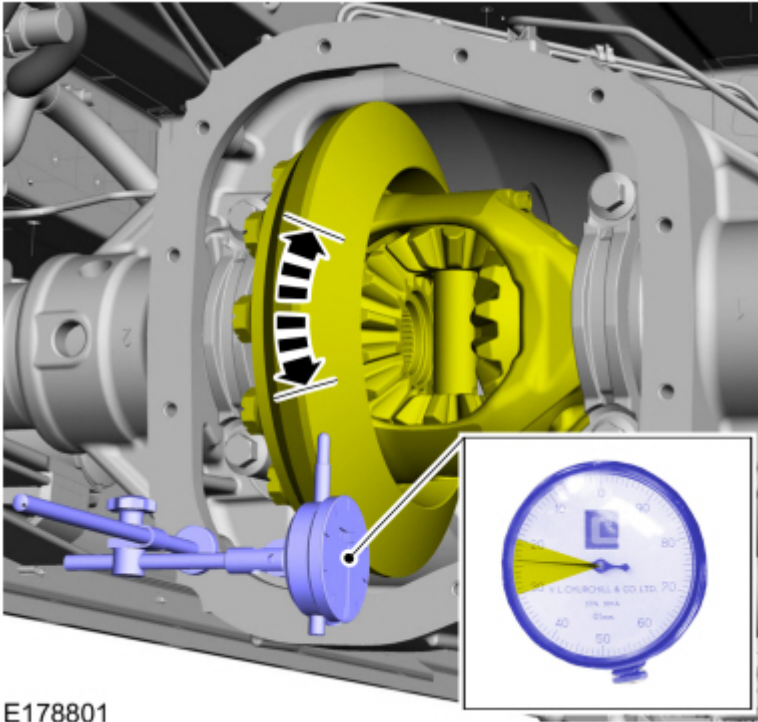


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2010 FORD Escape OEM Service and Repair Workshop Manual

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E178801

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4.
 - If a zero backlash condition occurs or the backlash is not within specification, proceed to Step 5.
 - If the backlash is within specification, proceed to Step 16.

Refer to: [Axle Shaft](#)(205-02B Rear Drive Axle/Differential - Vehicles With: Ford 9.75 Inch Ring Gear, Removal and Installation).

5.
 - To correct for high or low backlash, increase the thickness of one differential bearing shim and decrease the thickness of the other differential bearing shim by the same amount.
 - If a zero backlash condition had occurred, add 0.50 mm (0.020 in) to the RH (right-hand) side shim and subtract 0.50 mm (0.020 in) from the LH (left-hand) side shim to allow a backlash indication. Recheck backlash.
 - Using the backlash chart, determine the thickness of differential shim needed:

Refer to: [Specifications](#)(205-02B Rear Drive Axle/Differential - Vehicles With: Ford 9.75 Inch Ring Gear, Specifications).

6. **NOTE**

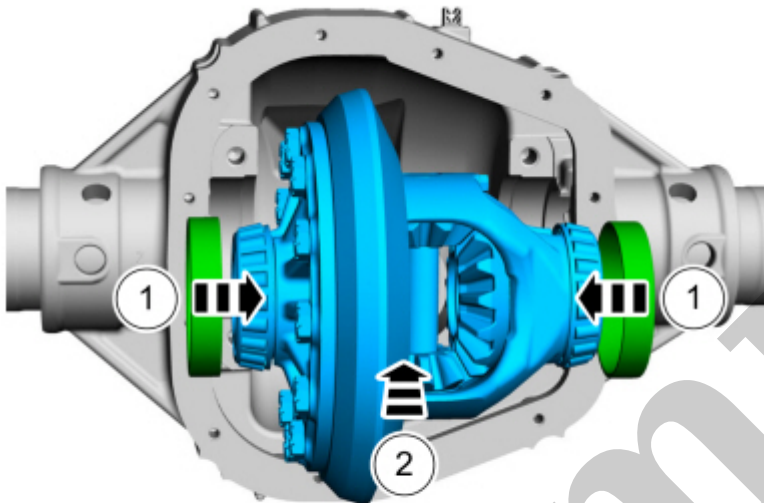
The differential bearing caps and differential bearing cap bolts need to be installed in the same

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8. **NOTE**

Have the selected shims available at this time. It will be required to hold the differential carrier and the differential carrier bearing cups in until shims are installed.

Install the differential carrier and the differential carrier bearing cups.



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Vehicle equipped with ELD (Electronic Locking Differential)

9. **NOTICE**

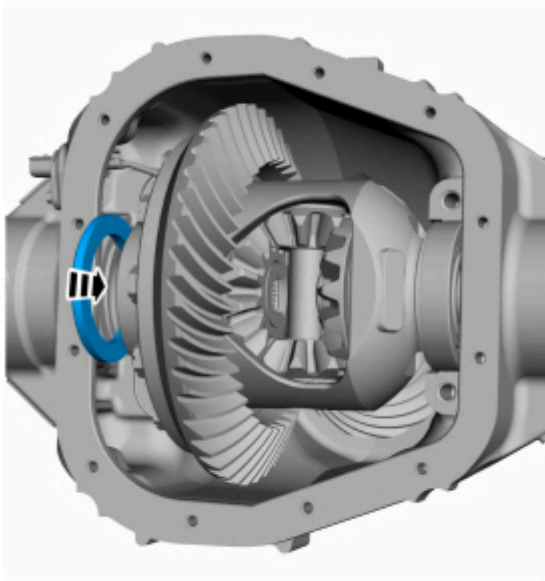
Take extra care not to damage the wiring harnesses.

NOTE

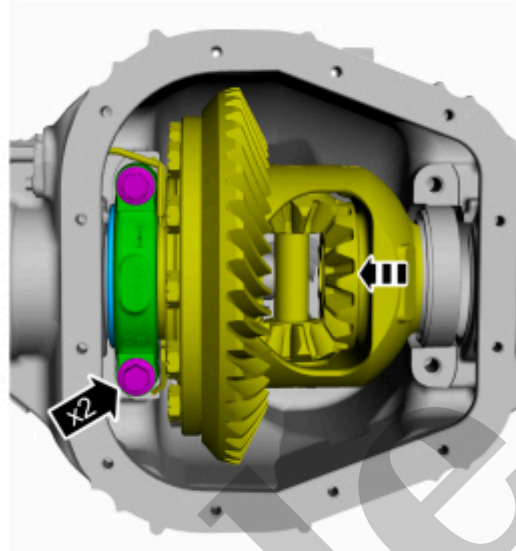
Verify the orientation of ELD coil and connector wiring is correct.

Install the differential carrier into housing.

1



2



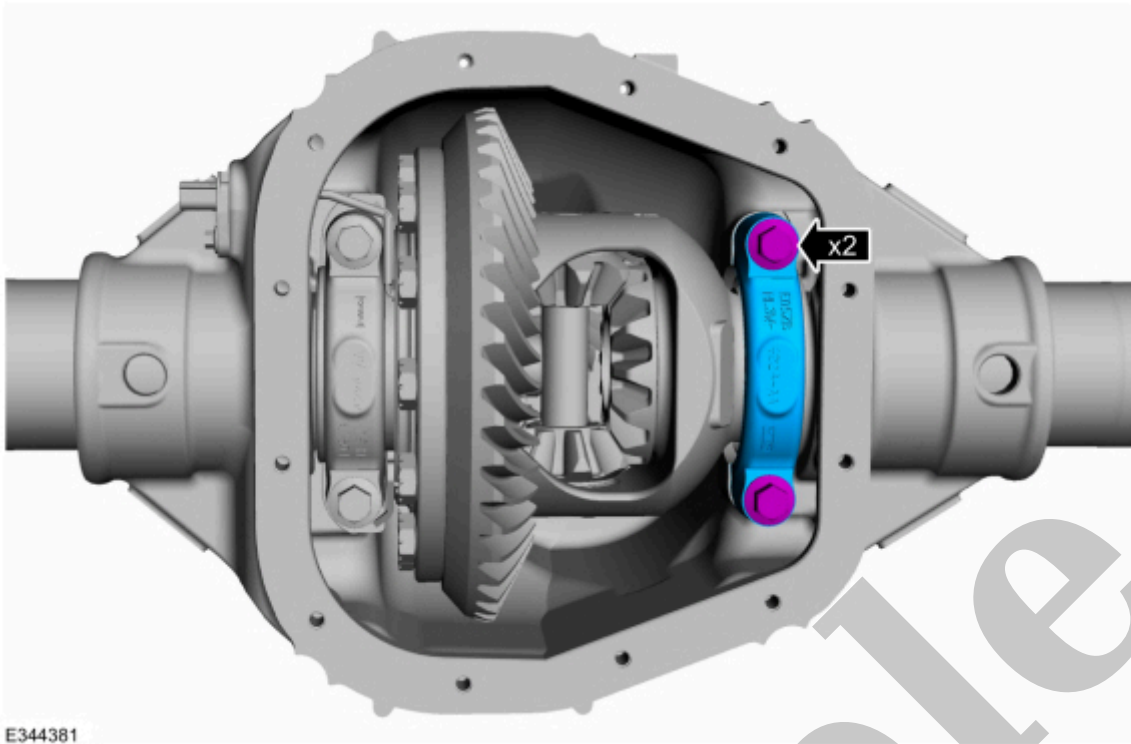
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11. Using the special tool and a soft face brass mallet, install the RH (right-hand) selected ring gear back lash shim.

Use Special Service Tool : 205-220 Installer, Differential Shim

Use the General Equipment: Copper Hammer



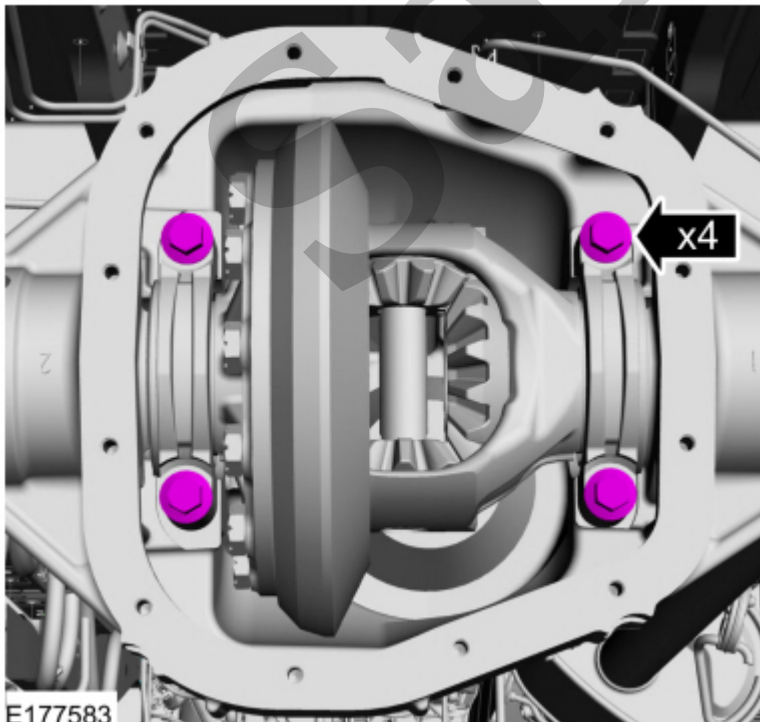
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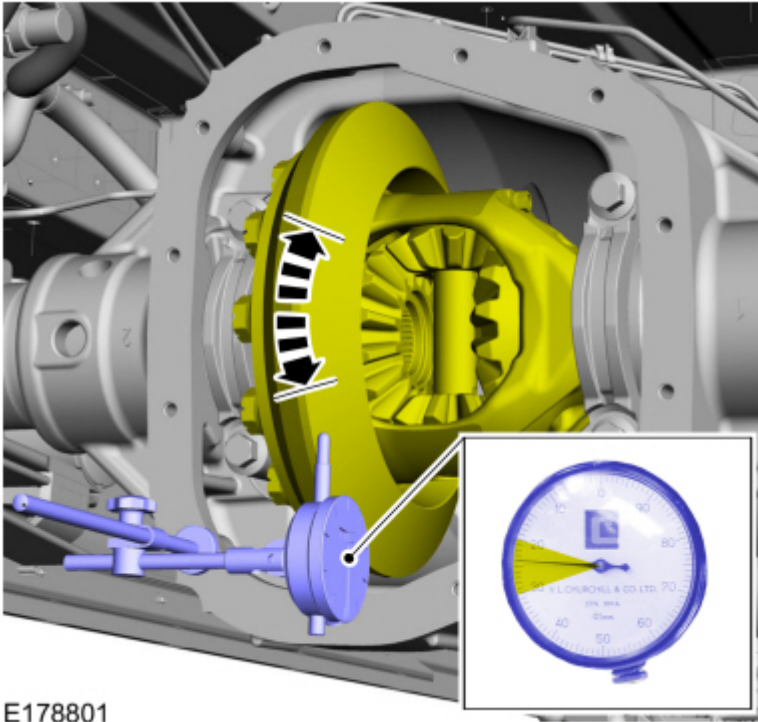
All vehicles

13. Tighten the differential bearing cap bolts.

Torque : 83 lb.ft (112 Nm)



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16. Apply marking compound and rotate the differential assembly 5 complete revolutions.

17. Verify an acceptable ring gear tooth pattern check.

Refer to: [Rear Drive Axle and Differential](#)(205-02B Rear Drive Axle/Differential - Vehicles With: Ford 9.75 Inch Ring Gear, Diagnosis and Testing).

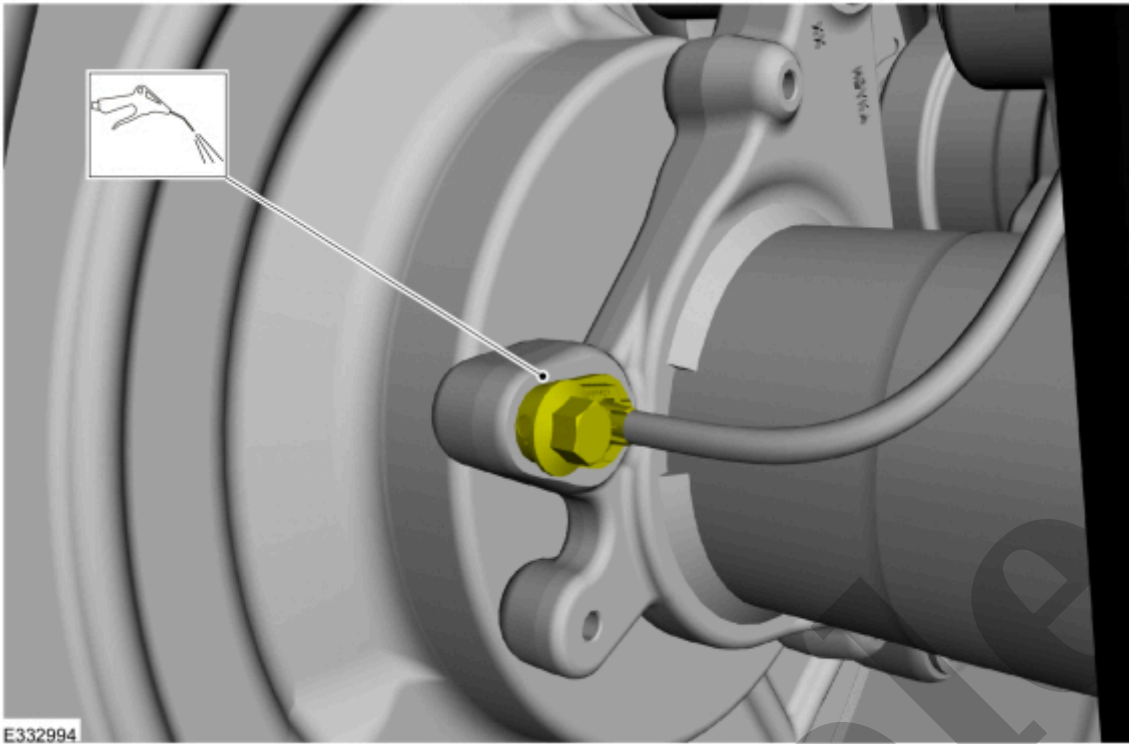
18. Install the axle shafts.

Refer to: [Axle Shaft](#)(205-02B Rear Drive Axle/Differential - Vehicles With: Ford 9.75 Inch Ring Gear, Removal and Installation).

19. Install the differential housing cover.

Refer to: [Differential Housing Cover](#)(205-02B Rear Drive Axle/Differential - Vehicles With: Ford 9.75 Inch Ring Gear, Removal and Installation).

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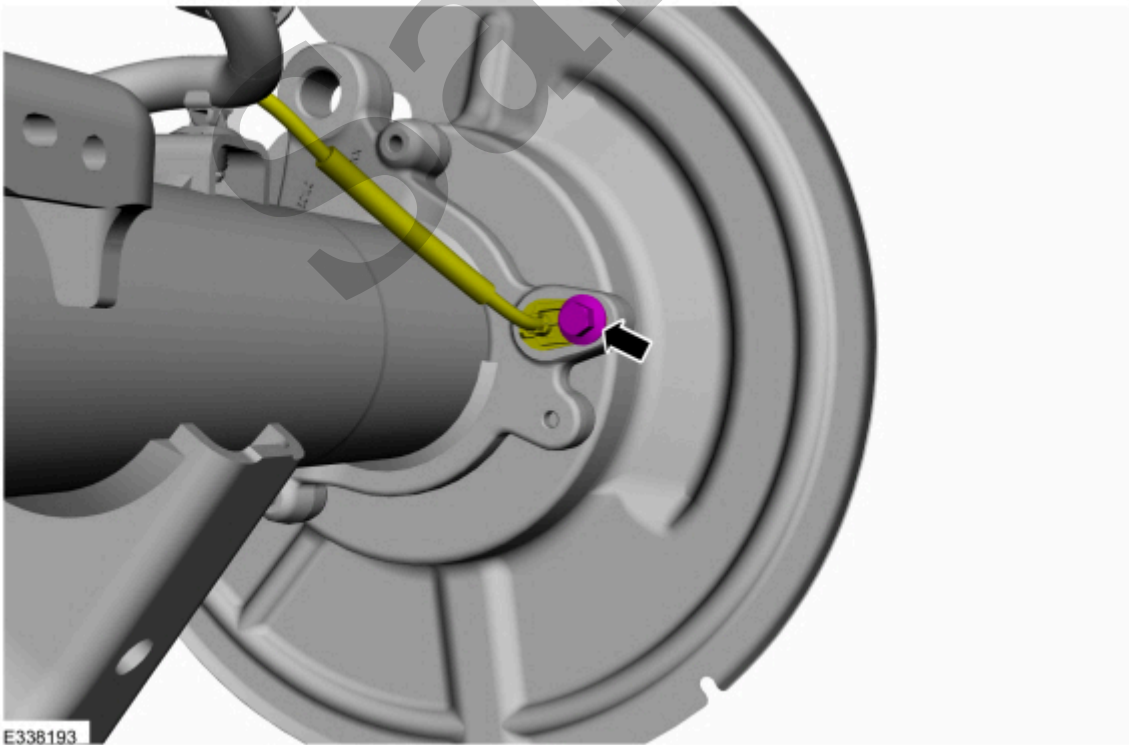


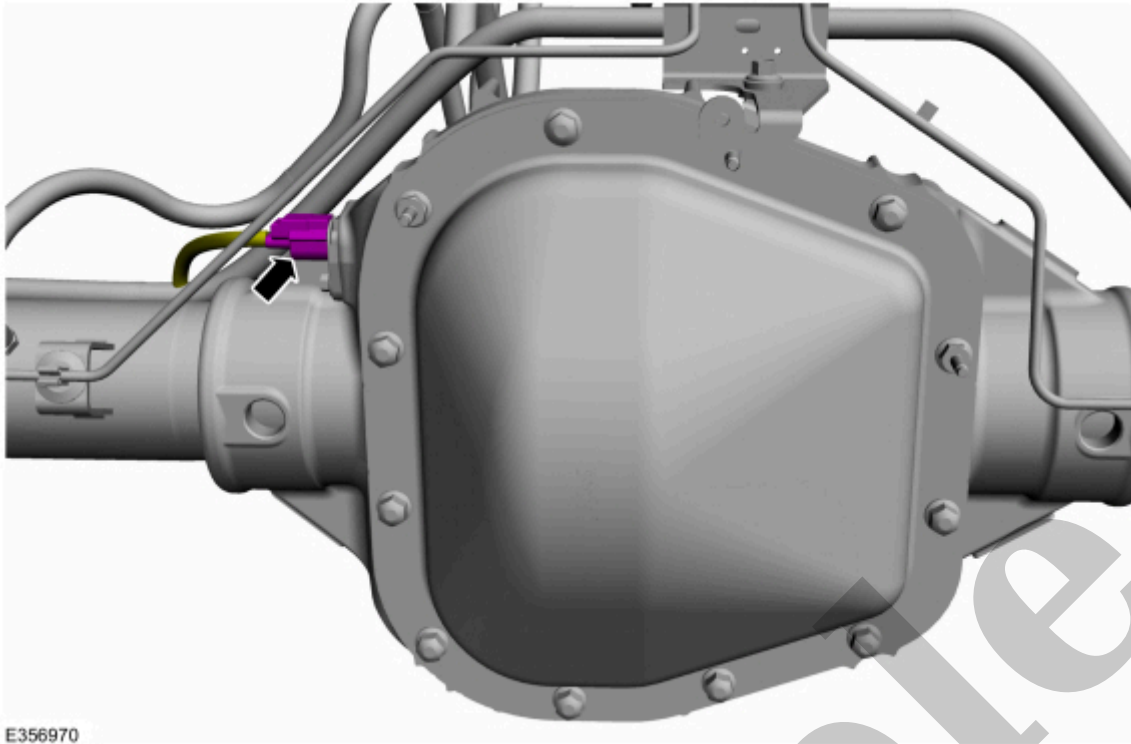
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3. On both sides.

Remove the wheel speed sensor bolt and position aside the wheel speed sensor.

Torque : 133 lb.in (15 Nm)



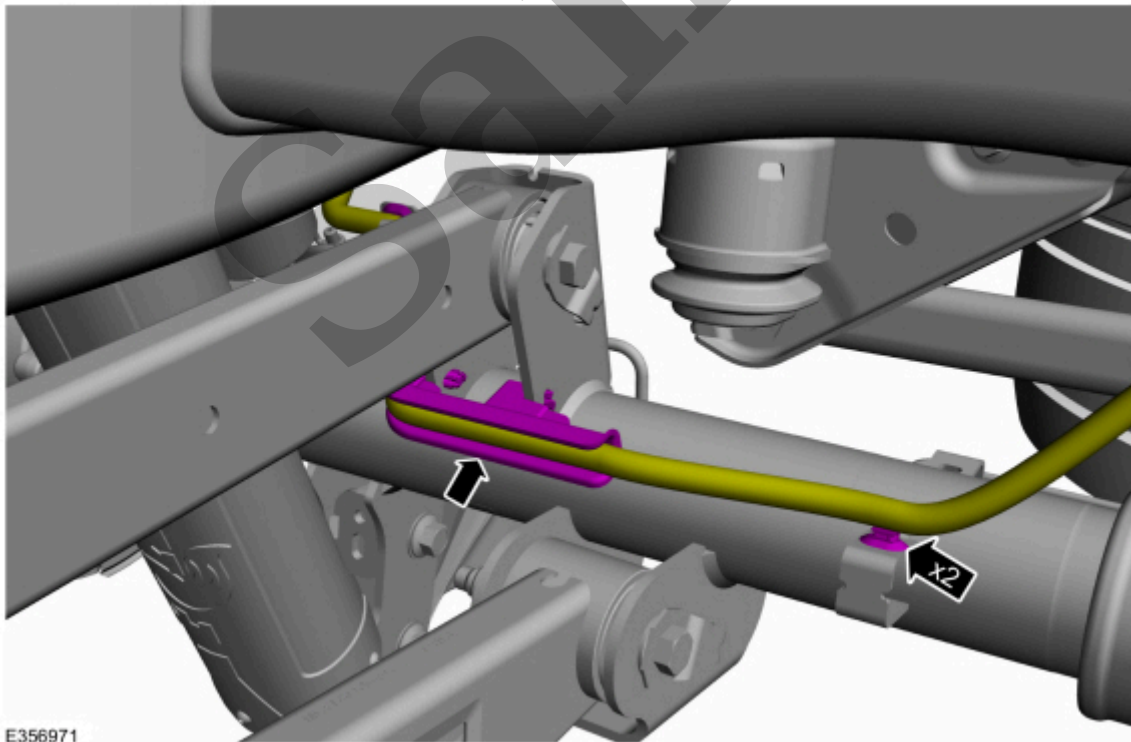


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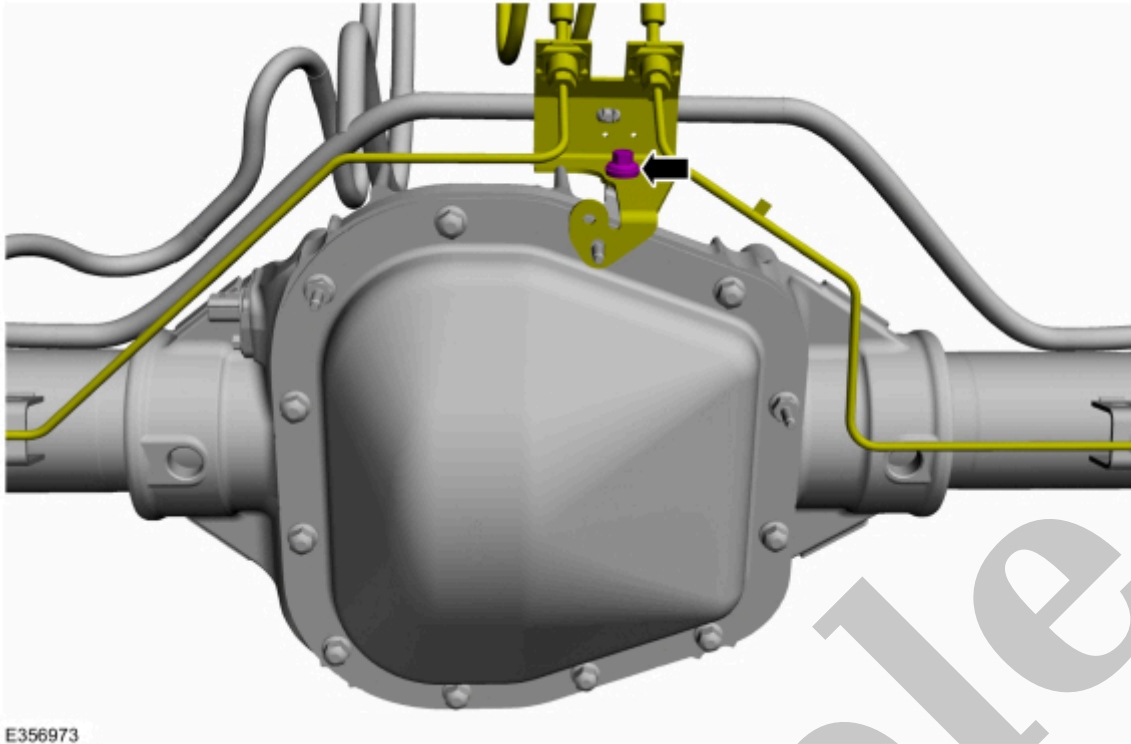
6. On both sides.

Detach the retainers and position the wiring harness aside.



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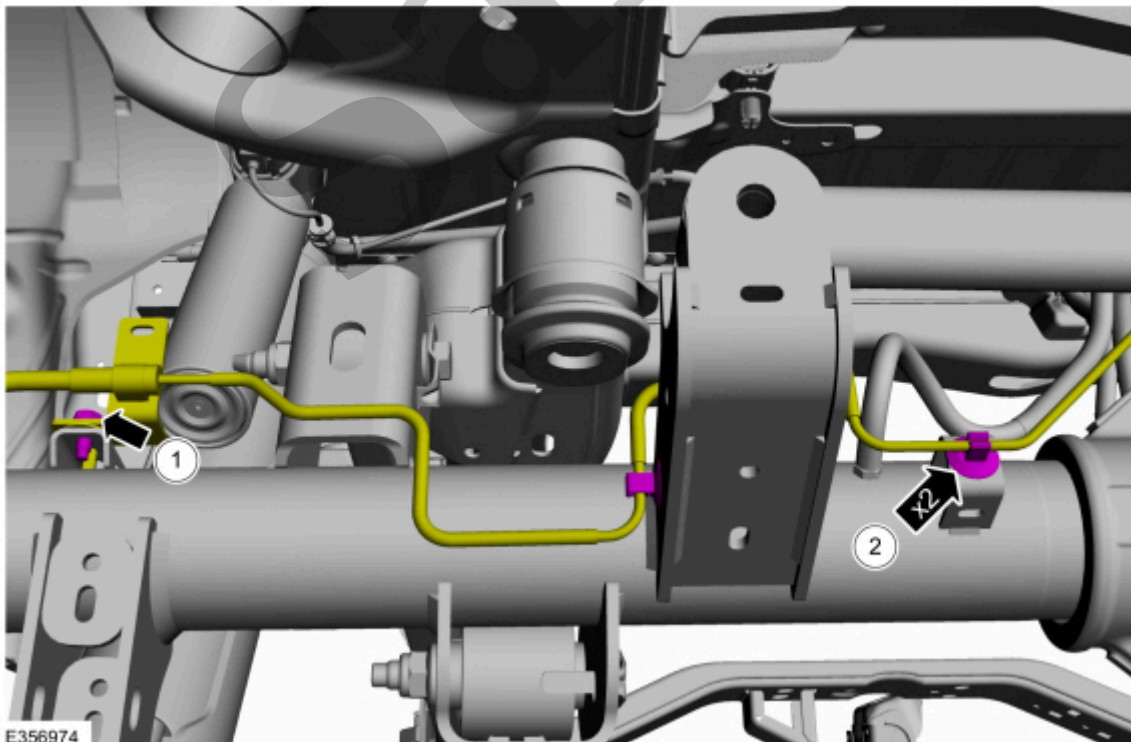
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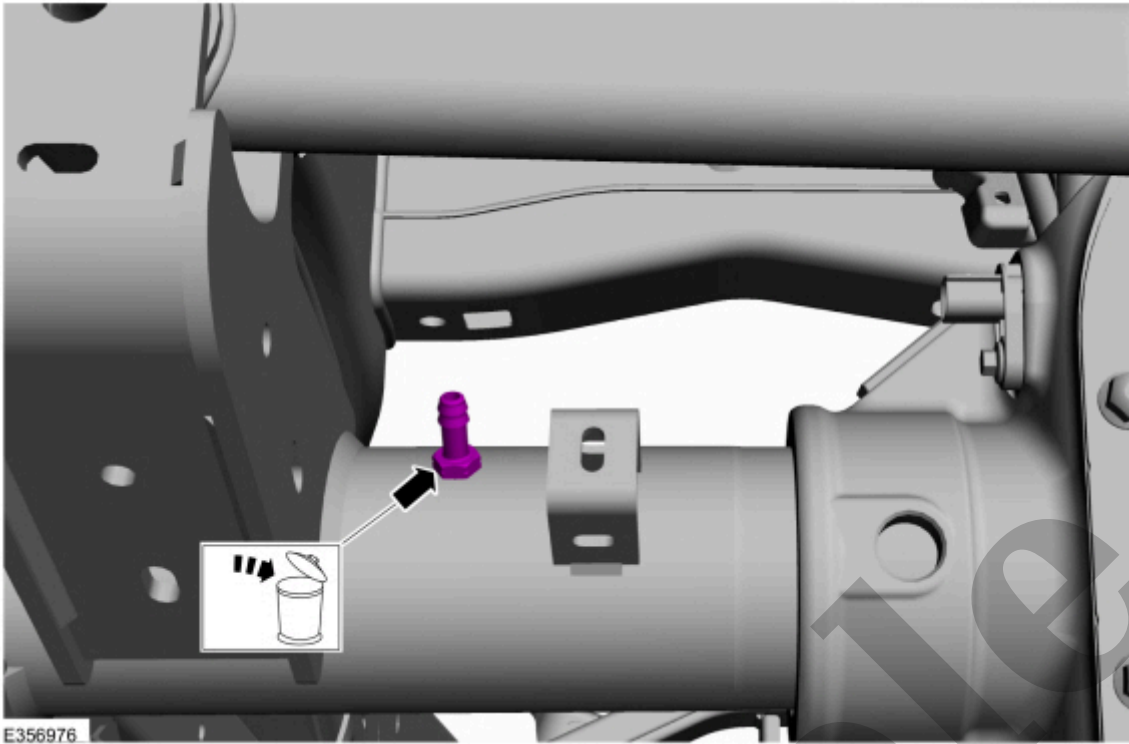
9. 1. Remove the LH (left-hand) side bracket bolt.

Torque : 106 lb.in (12 Nm)

2. Detach the retainers and position the rear brake outer flexible hose aside.



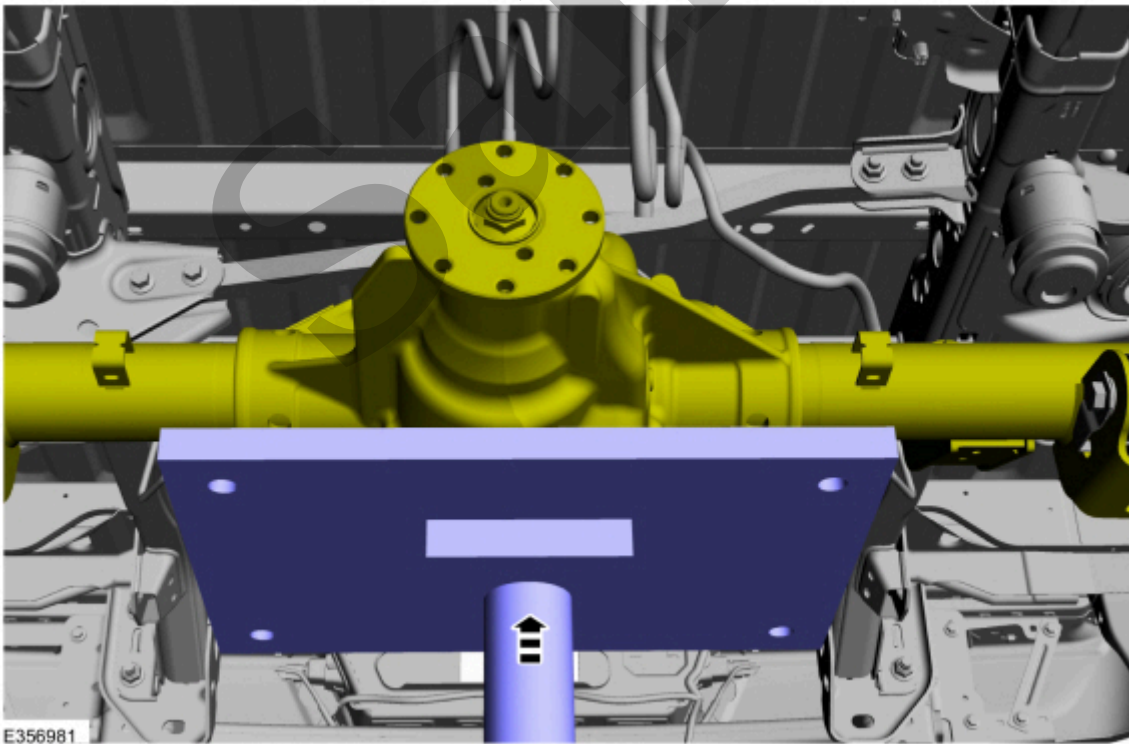
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12. Using general equipment, support the rear axle assembly.

Use the General Equipment: Transmission Jack



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