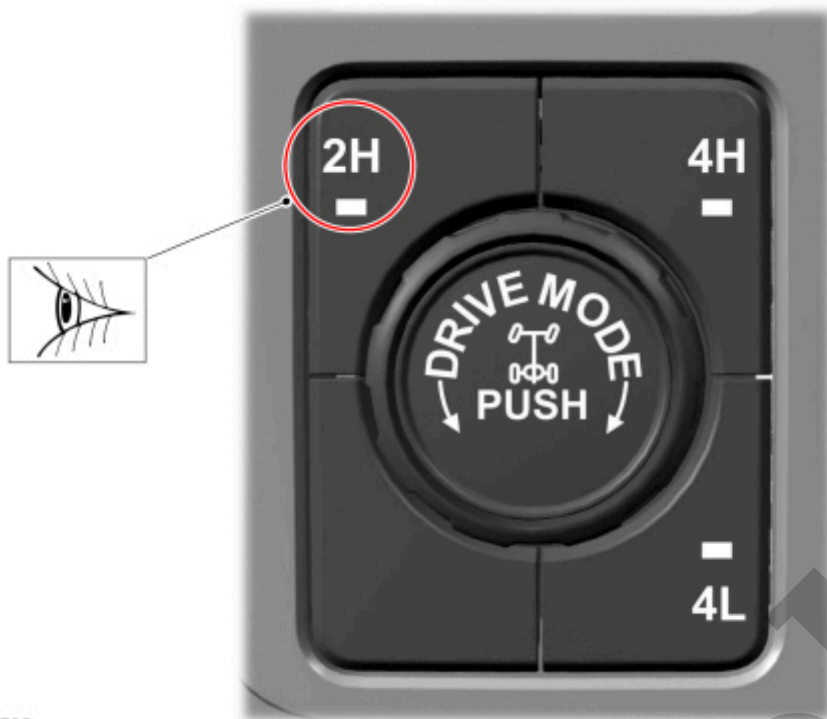


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## 2003 FORD Focus 4 Doors OEM Service and Repair Workshop Manual

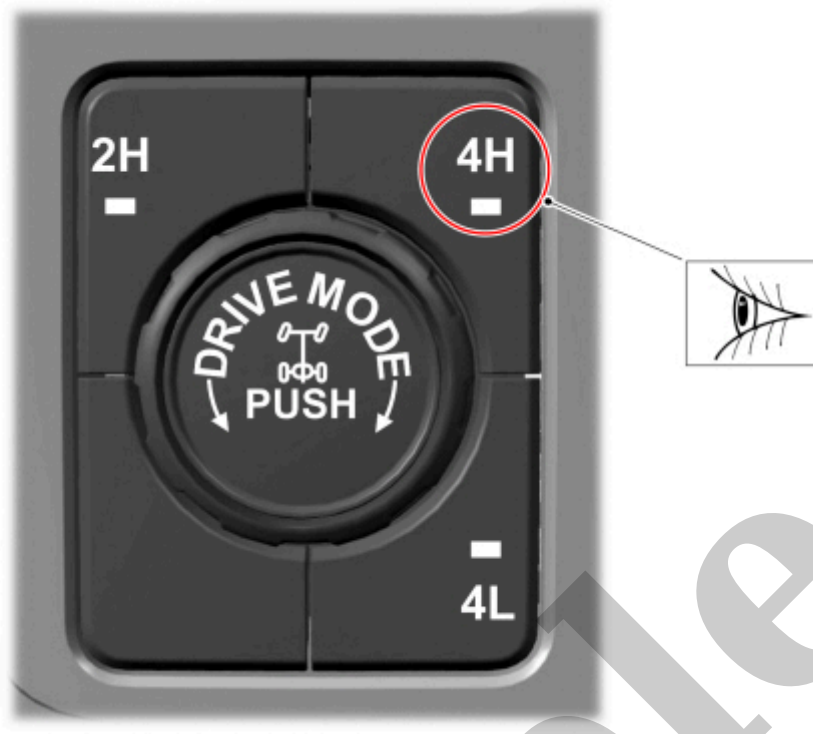
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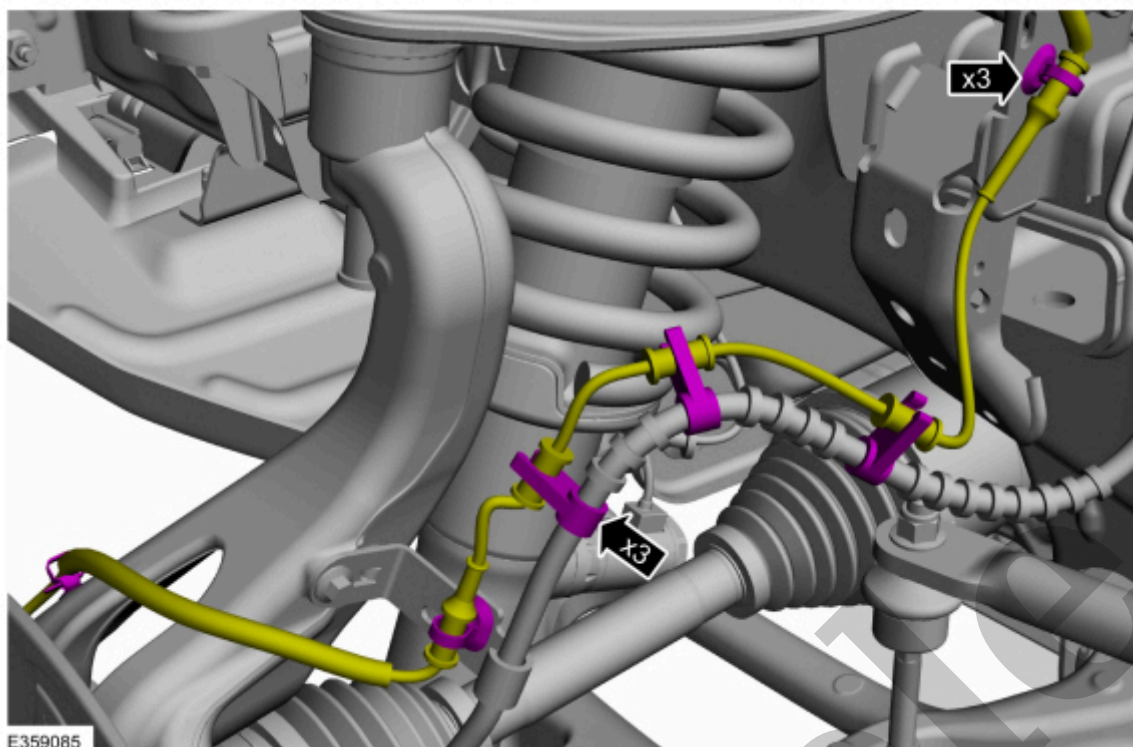
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## 2. NOTE

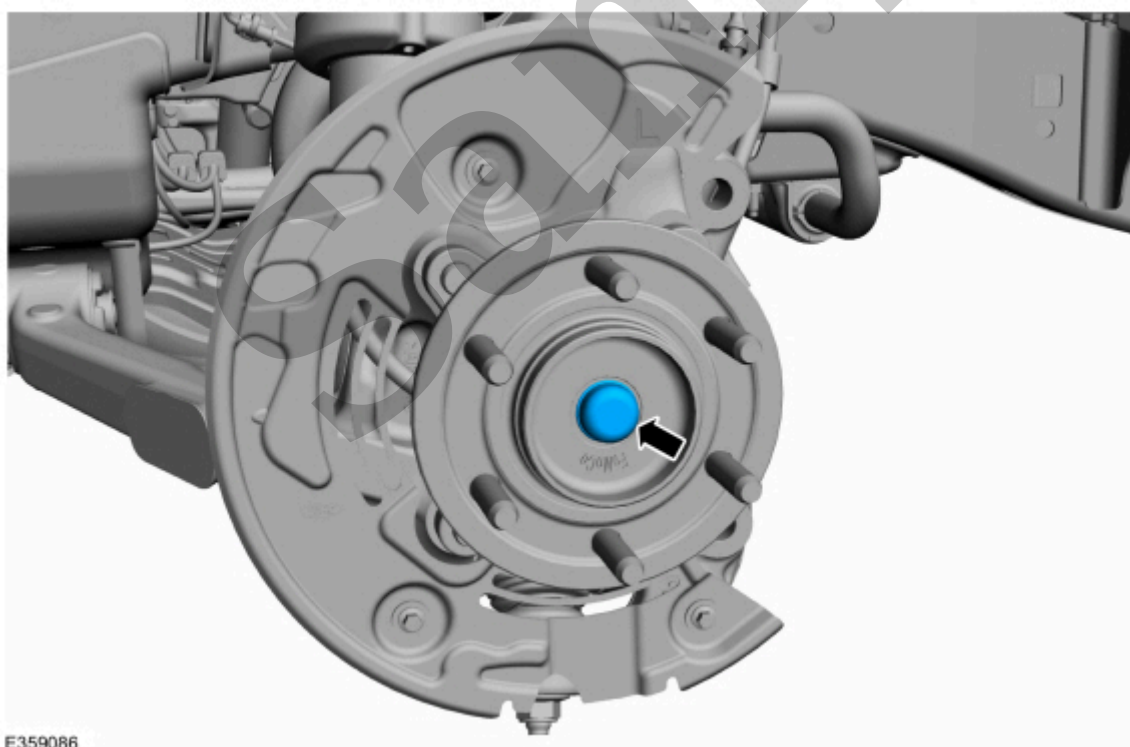
The wheel speed sensor electrical connector is located in the engine compartment secured to the fender apron.

Disconnect the wheel speed sensor wire electrical connector and detach the retainers.

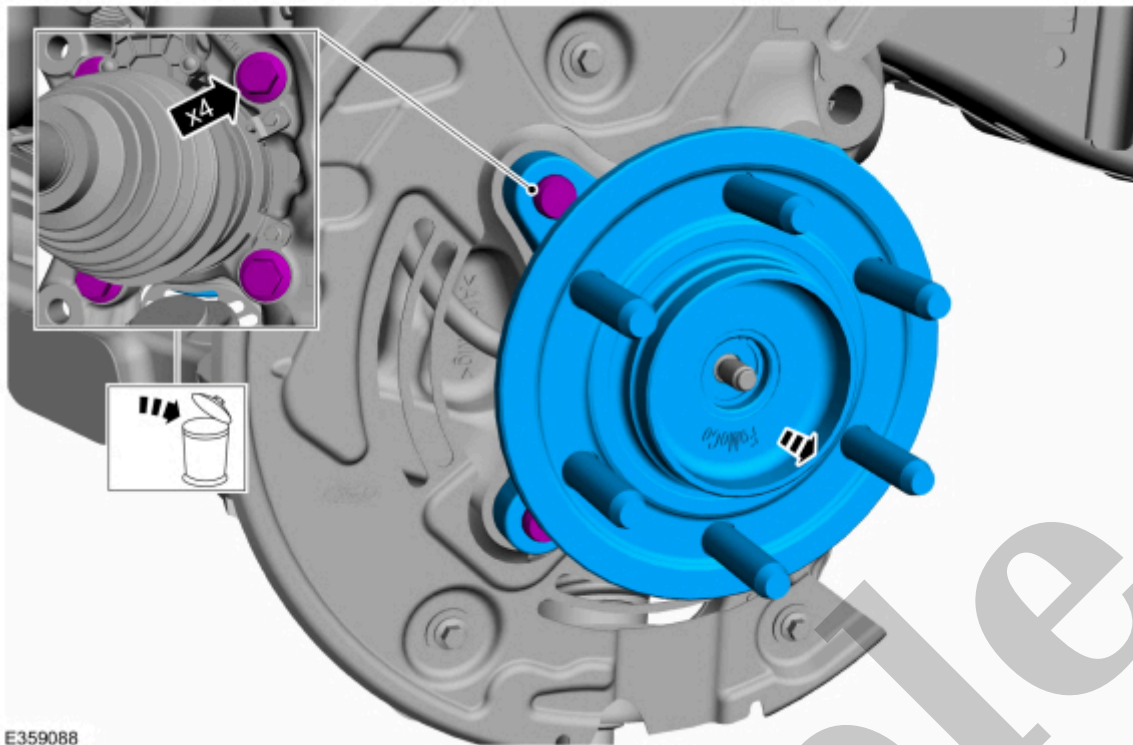


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5. Remove the wheel hub nut dust cap.



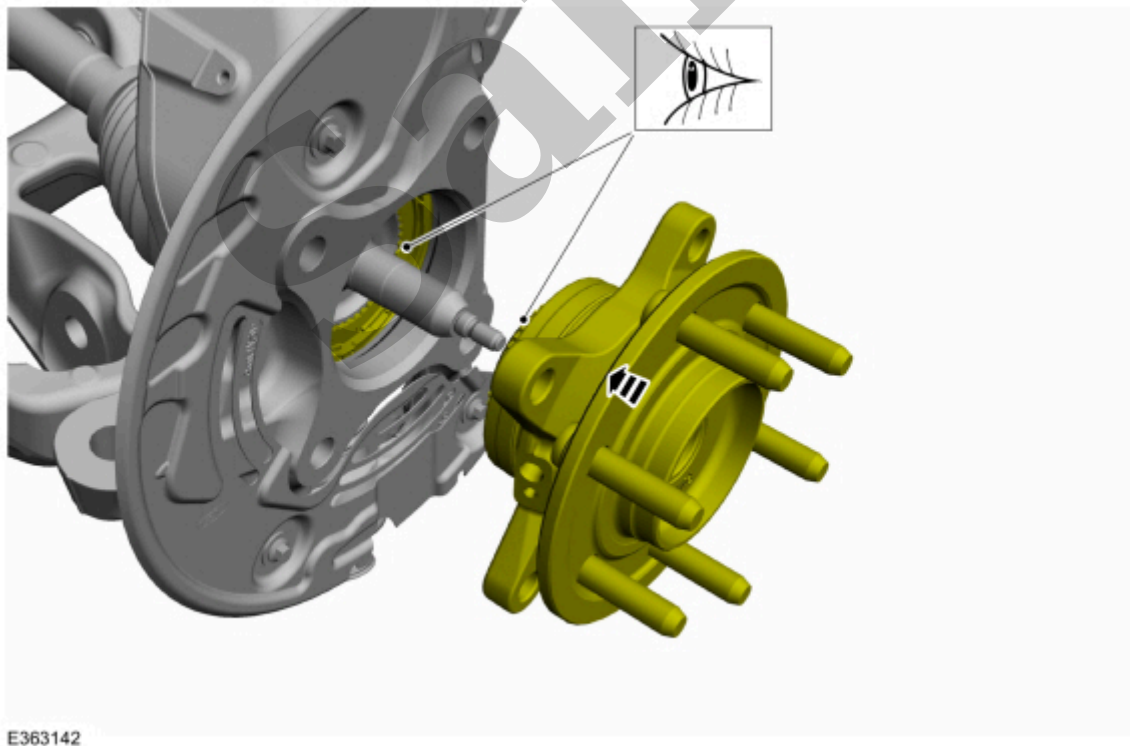
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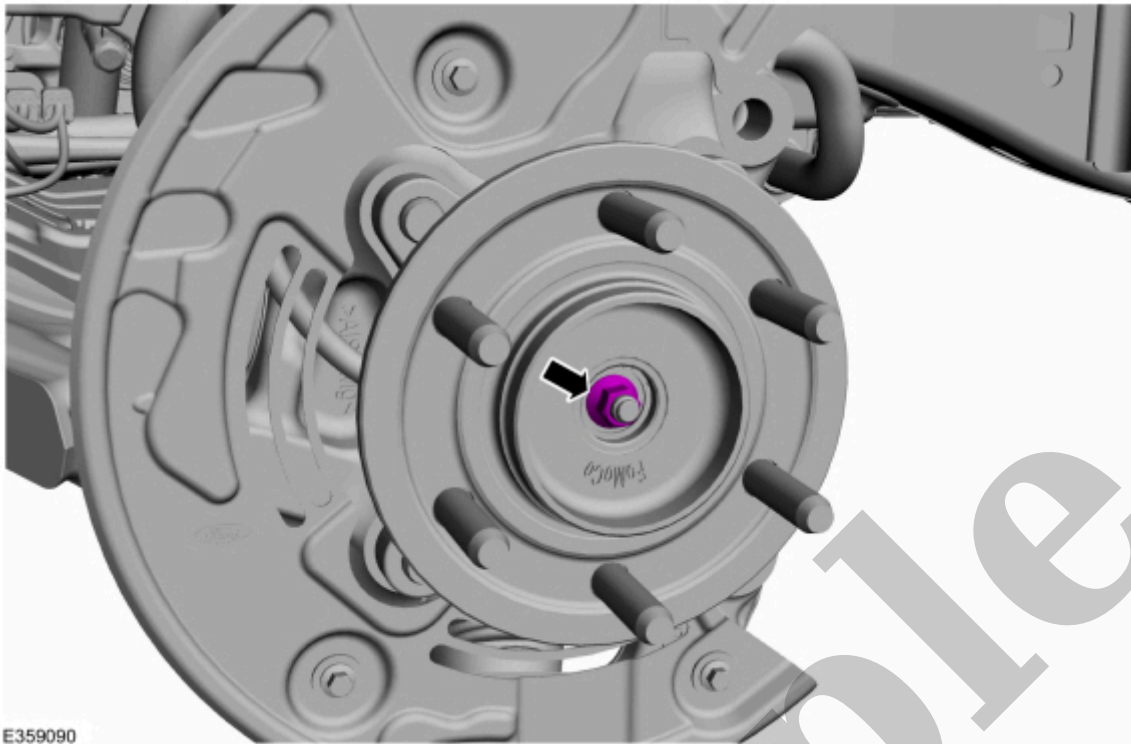
## Installation

1. Align the wheel hub splines to the IWE sleeve. Rotate the front halfshaft to verify spline engagement.



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- Verify wheel hub to IWE engagement. The wheel hub and IWE should rotate together.



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4. **NOTE**

If the dust cap to bearing interface is damaged, damaged parts must be replaced.

Install the dust cap.

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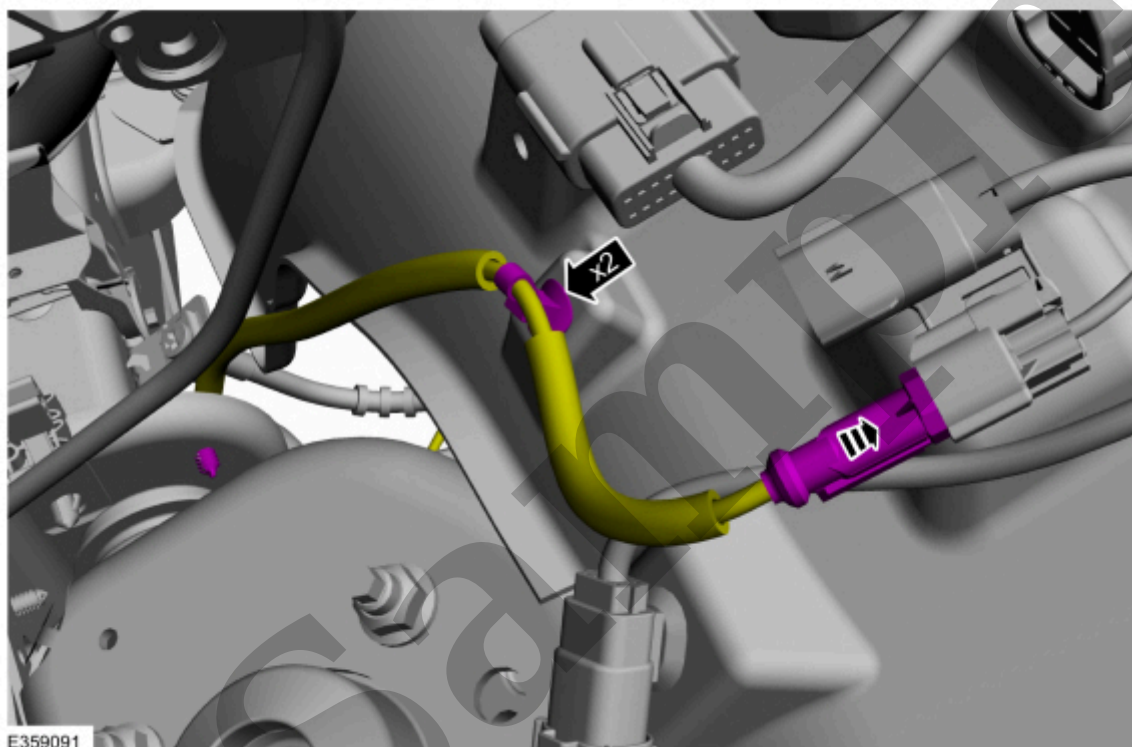
6. Install the brake disc.

Refer to: [Brake Disc](#)(206-03 Front Disc Brake, Removal and Installation).

7. **NOTE**

The wheel speed sensor electrical connector is located in the engine compartment secured to the fender apron.

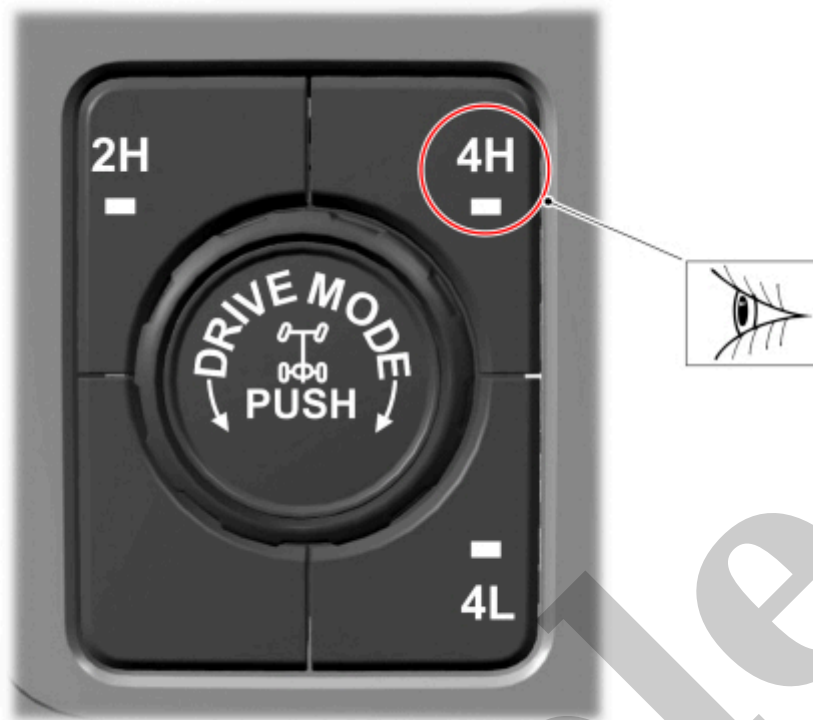
Connect the wheel speed sensor electrical connector and clip the wheel speed sensor wire retainers.



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## 2. NOTE

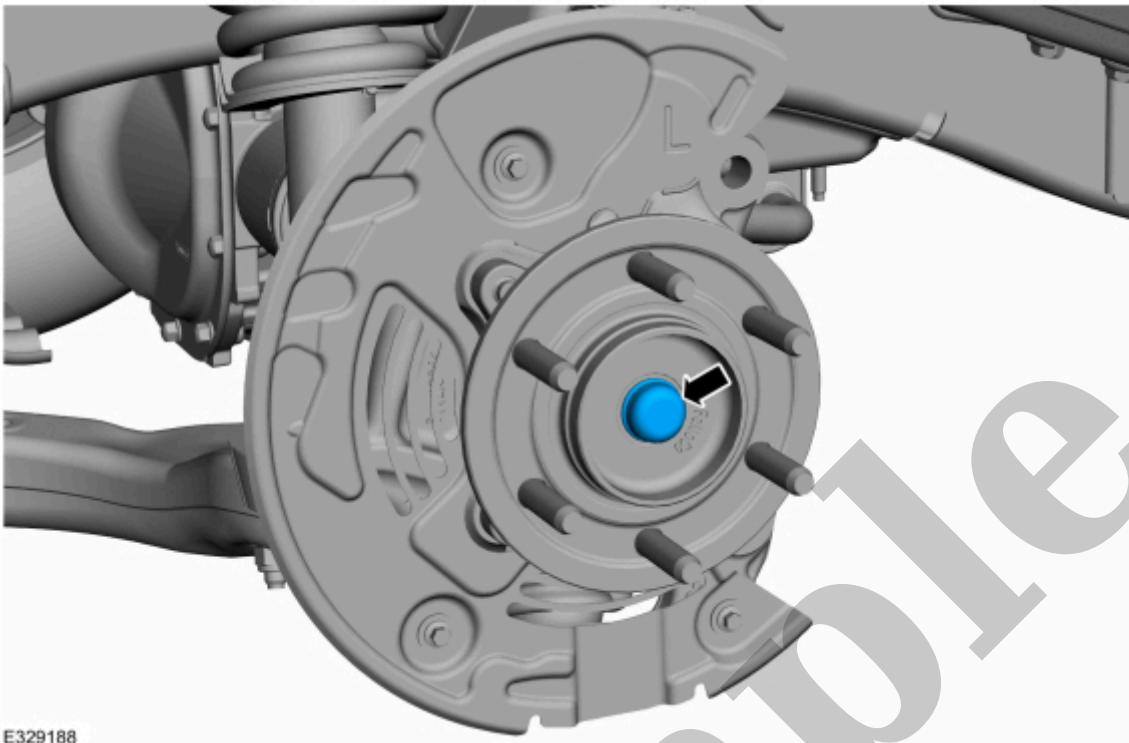
The wheel speed sensor electrical connector is located in the engine compartment secured to the fender apron.

Disconnect the wheel speed sensor electrical connector and detach the harness retainer.



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5. Remove the wheel hub nut dust cap.



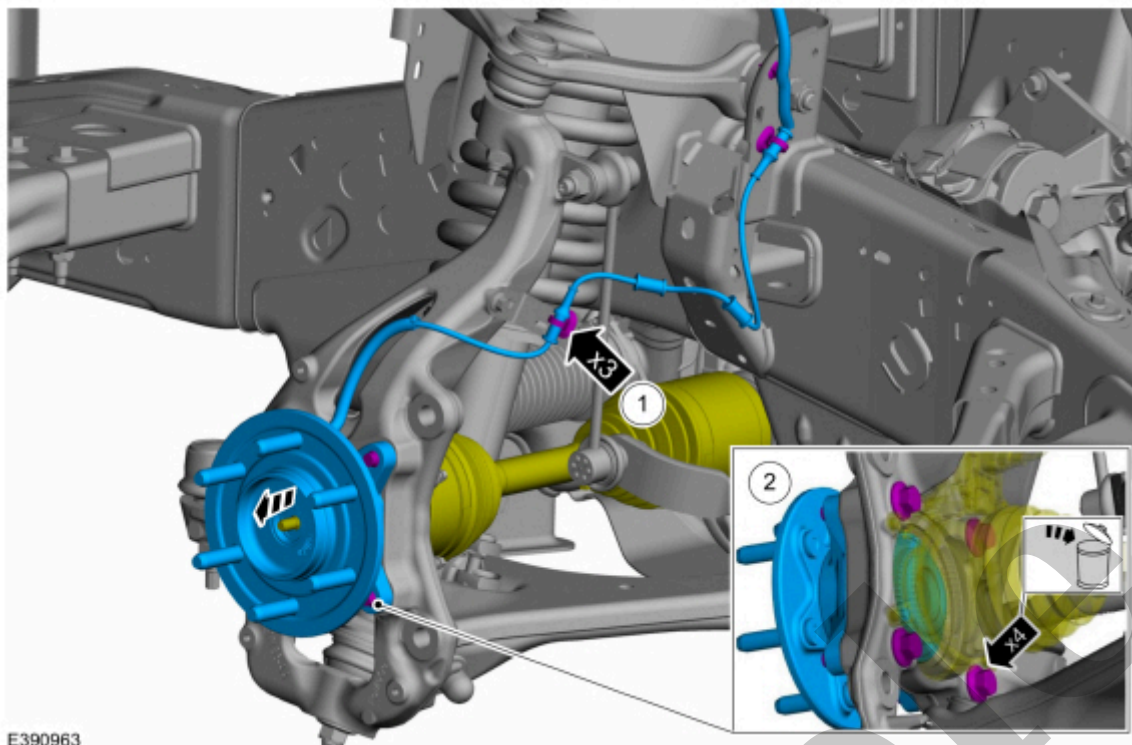
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#### 6. NOTICE

When installing the halfshafts measure the depth of the CV (constant velocity) shaft threaded end to the inner bearing race. The minimum depth is 15.5 mm (0.61 in). If the depth is less than 15.5 mm (0.61 in) rotate the CV (constant velocity) shaft to clear a binding condition between the IWE (integrated wheel end) and CV (constant velocity) splines. Installing the axle nut and tightening without the proper depth of protrusion will result in damage to the IWE (integrated wheel end).

Remove and discard the wheel hub nut.



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## Installation

### NOTICE

Tighten the suspension fasteners with the weight of the vehicle on the wheels and tires or use a suitable jack to raise the suspension to curb height or damage to the bushings may occur.

1. Align the wheel hub splines to the IWE sleeve. Rotate the front halfshaft to verify spline engagement.

### 2. NOTE

The wheel speed sensor is an integral part of the new front wheel bearing and wheel hub.

### NOTE

A new wheel bearing is supplied with a new ABS (anti-lock brake system) wheel speed sensor.

Visual check.

Make sure the wheel speed sensor wire is slid between the brake disc shield and the wheel knuckle.