

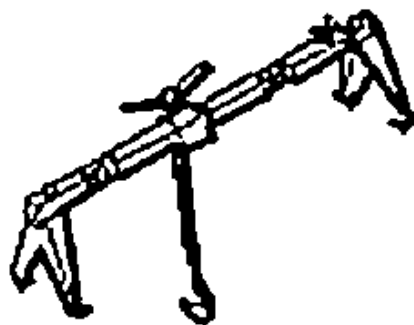
Your Vehicle: **2005 Jaguar S-Type (X200) V6-3.0L**

[Vehicle](#) » [Heating and Air Conditioning](#) » [Compressor HVAC](#) » [Service and Repair](#)

Service and Repair

Air Conditioning (A/C) Compressor - 2.5L/3.0L/4.2L (82.10.20)

Special Service Tools

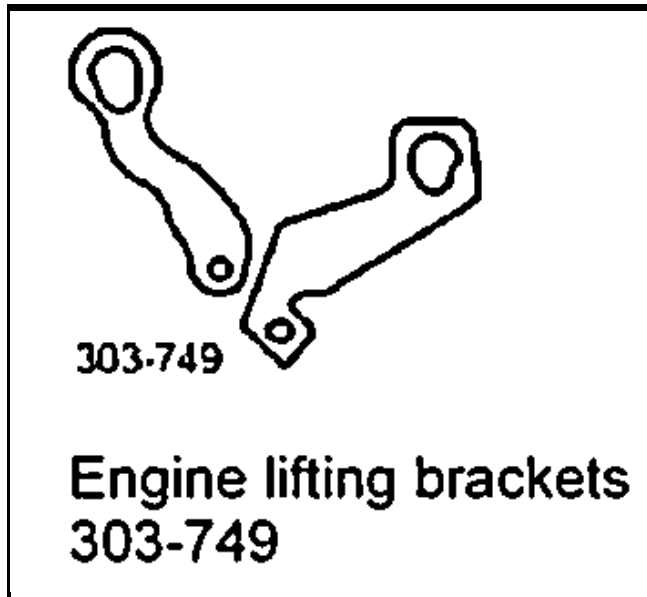


303-021

**Engine support beam.
303-021**

Zoom

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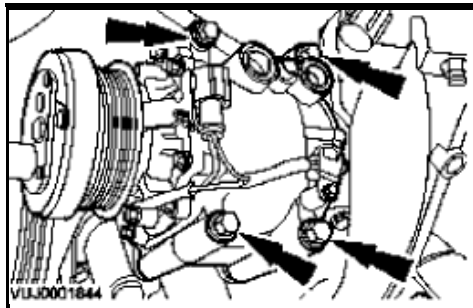
Installation

All vehicles

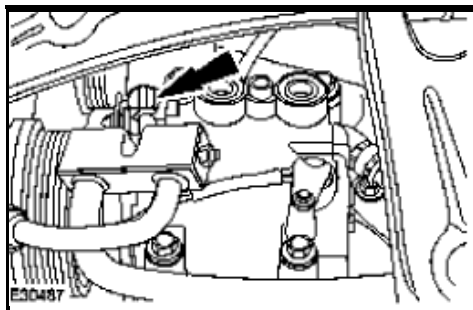
1. Add the correct amount of A/C refrigerant oil to the A/C compressor.

Vehicles with 2.5L or 3.0L engine

1. Install the A/C compressor.
 - Tighten to **25 Nm** .

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2. Connect the A/C compressor electrical connector.

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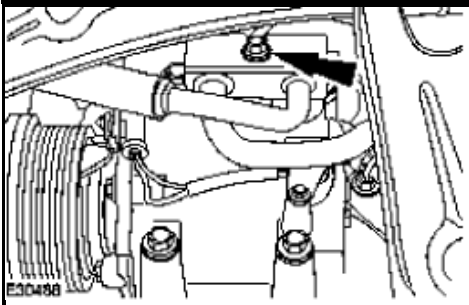
3. Install new A/C compressor O-ring seals.

- Lubricate the new O-rings with A/C refrigerant oil.

NOTE: Un-cap the exposed ports.

4. Clean off any oil residue that may contain A/C system fluorescent dye.
5. Connect the A/C compressor supply and return lines.

- Tighten to **20 Nm** .

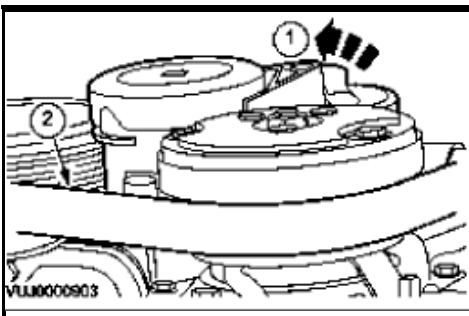


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6. Attach the accessory drive belt.

- Rotate the accessory drive belt tensioner counter-clockwise.
- Use a **3/8 inch** square drive bar to rotate the accessory drive belt tensioner.
- Attach the accessory drive belt.



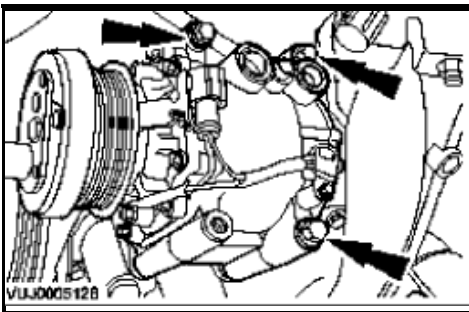
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Vehicles with 4.2L engine

1. Install the A/C compressor.

- Tighten to **25 Nm** .

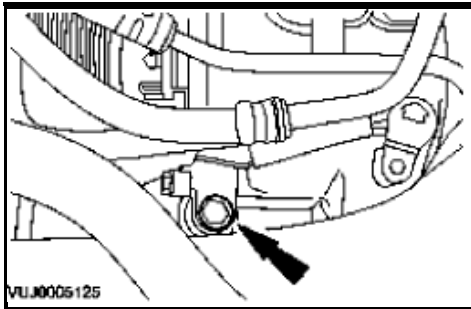


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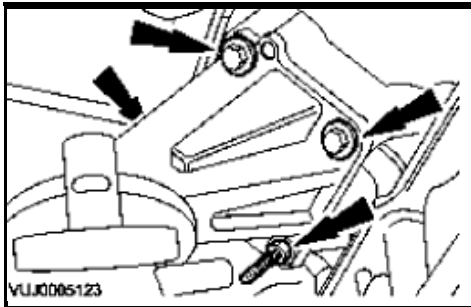
2. Install the left hand lower A/C compressor retaining bolt.

- Tighten to **25 Nm** .

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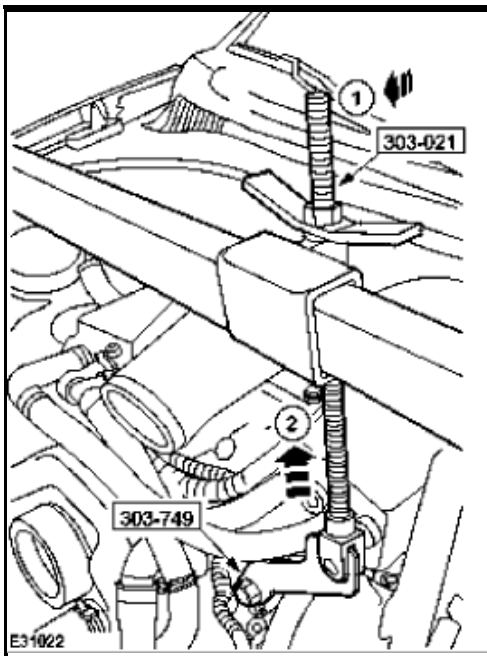
3. Install the engine mounting and bracket assembly.

- Tighten to **25 Nm** .

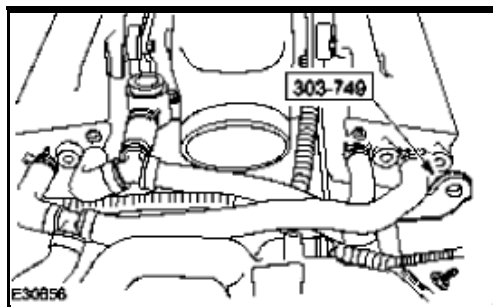
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4. Lower the vehicle.

5. Using the special tools, lower the engine.

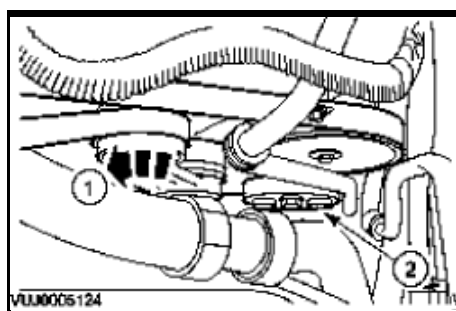
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6. Remove the left hand engine lifting eye.

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7. Attach the accessory drive belt.

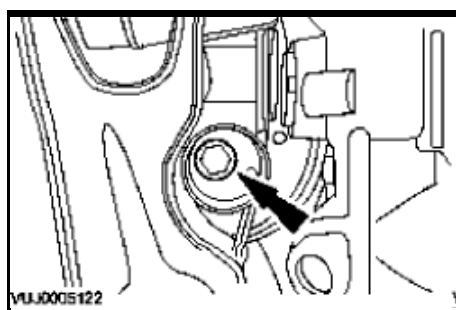
- Rotate the accessory drive belt tensioner counter-clockwise.
- Use a **3/8 inch** square drive bar to rotate the accessory drive belt tensioner.
- Attach the accessory drive belt.

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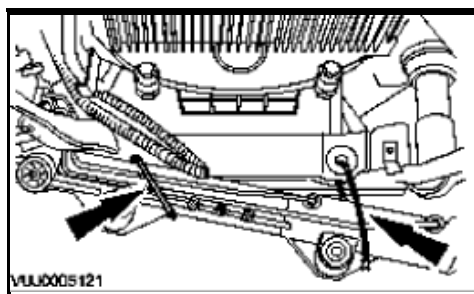
8. Raise the vehicle.

9. Install the left-hand engine mounting lower retaining bolt.

- Tighten to **63 Nm** .

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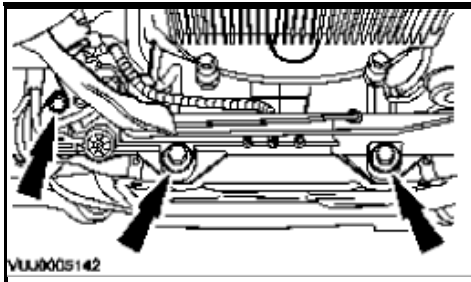
10. Detach the steering gear.



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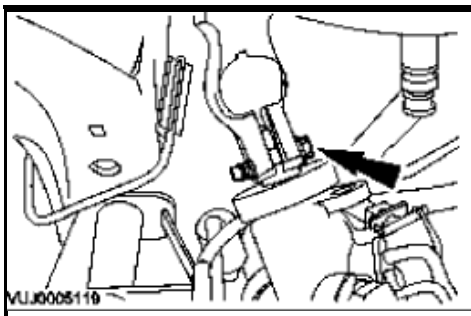
11. Attach the steering gear.

- Tighten to **100 Nm** .

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12. Install the steering gear shaft pinch bolt.

- Tighten to **35 Nm** .

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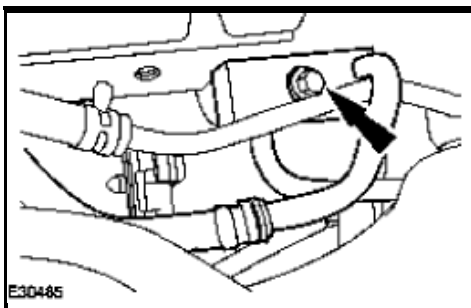
13. Install new A/C compressor O-ring seals.

- Lubricate the new O-rings with A/C refrigerant oil.

NOTE: Un-cap the exposed ports.

14. Connect the A/C compressor supply and return lines.

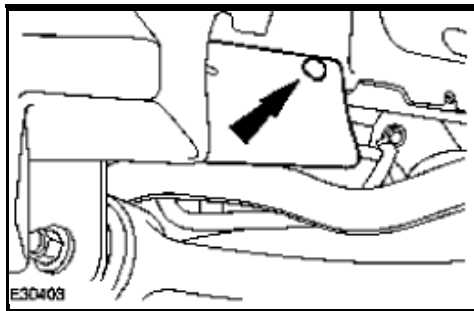
- Tighten to **20 Nm** .

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15. Clean off any oil residue that may contain A/C system fluorescent dye.

16. Reposition the drive belt splash shield.

- Install the drive belt splash shield retaining clip.

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17. Install the left-hand front wheel and tire assembly.
18. Install the air cleaner outlet pipe.

All vehicles

1. Carry out the A/C system evacuation and charging procedure.
2. Carry out the A/C system fluorescent dye leak detection procedure.

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