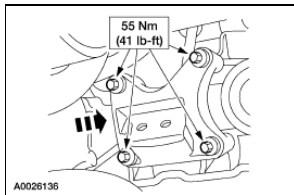


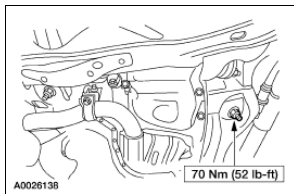
## Installation

### 1. Install the LH engine support insulator bracket.

- Position the bracket.
- Install and tighten the bolts.
- Use Threadlock 262 E2FZ-19554-B meeting Ford specification WSK-M2G351-A6.

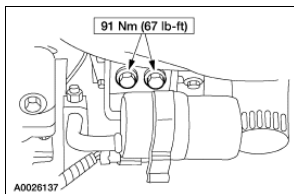


### 2. Install the support insulator and tighten the nut.

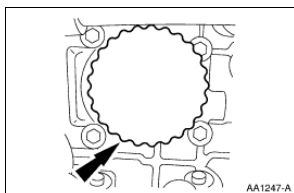


### 3. Install the bolts.

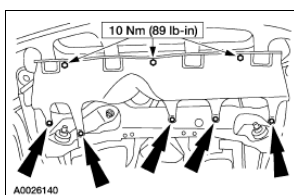
- Use Threadlock 262 E2FZ-19554-B meeting Ford specification WSK-M2G351-A6.



### 4. Install the oil bypass filter.

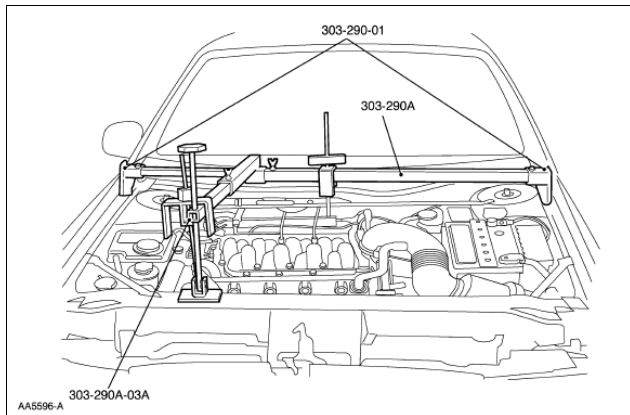


### 5. Install the radiator air deflector.

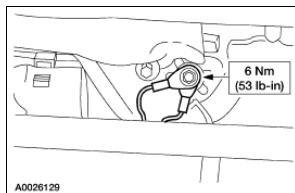


6. Lower the vehicle.

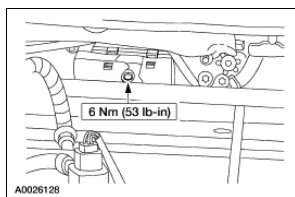
7. Remove the special tools.



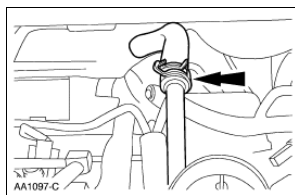
8. Connect the ground wires.



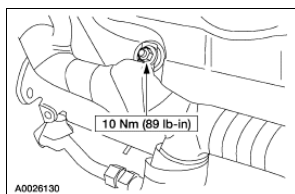
9. Connect the powertrain control module.



10. Connect the heater water hose.

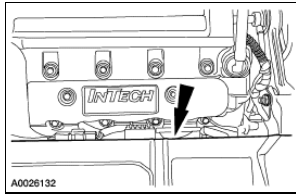


11. Reposition the engine control sensor wiring and install the nut.

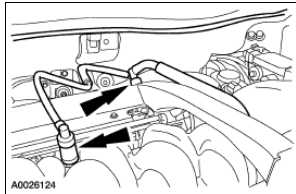


12. Install the windshield wiper mounting arm and pivot shaft. For additional information, refer to [Section 501-16](#).

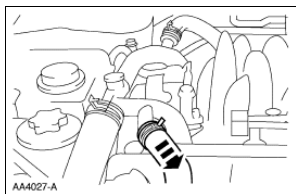
13. Install the upper radiator sight shield.



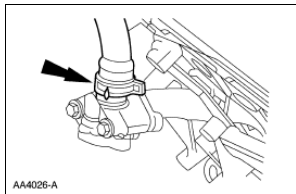
14. Install the PCV valve in the valve cover and connect the main vacuum supply tube.



15. Connect the hose.



16. Connect the hose.



17. Connect the battery ground cable. For additional information, refer to [Section 414-01](#) .

18. Check the oil level. If low, add the required amount of Motorcraft Super Premium SAE-5W-20 Motor Oil XO-5W20-QSP, or equivalent meeting Ford specification WSS-M2C153-H.

19. Fill and bleed the engine cooling system. For additional information, refer to [Section 303-03](#) .

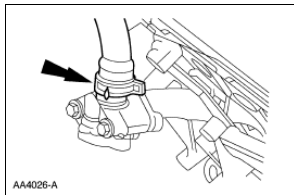
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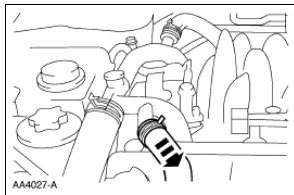
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**Engine Mount RH****Removal**

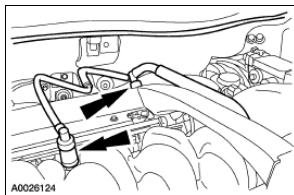
1. Disconnect the battery ground cable. For additional information, refer to [Section 414-01](#) .
2. Raise and support the vehicle. For additional information, refer to [Section 100-02](#) .
3. Drain the engine cooling system. For additional information, refer to [Section 303-03](#) .
4. Disconnect the hose.



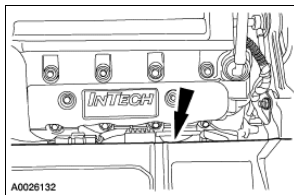
5. Lower the vehicle.
6. Disconnect the hose.



7. Prepare the engine compartment to install the 3-Bar Engine Support set.
  - Remove the positive crankcase ventilation (PCV) valve from the valve cover.
  - Disconnect the main vacuum supply tube.

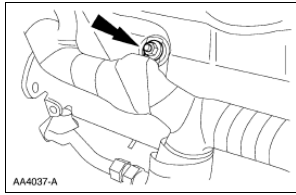


8. Remove the upper radiator sight shield.

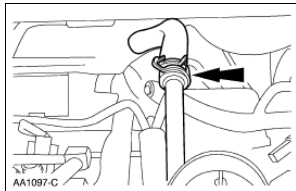


9. Remove the windshield wiper mounting arm and pivot shaft. For additional information, refer to [Section 501-16](#) .

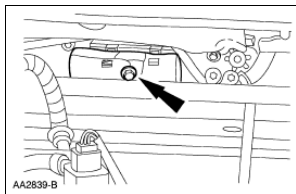
10. Remove the nut and position the engine control sensor wiring out of the way.



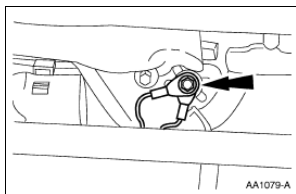
11. Disconnect the heater water hose.



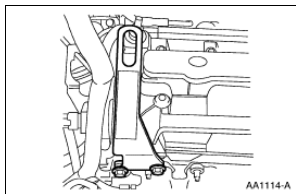
12. Disconnect the powertrain control module.



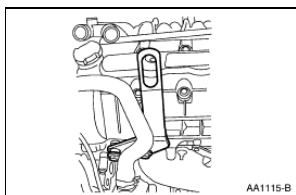
13. Disconnect the ground wires.



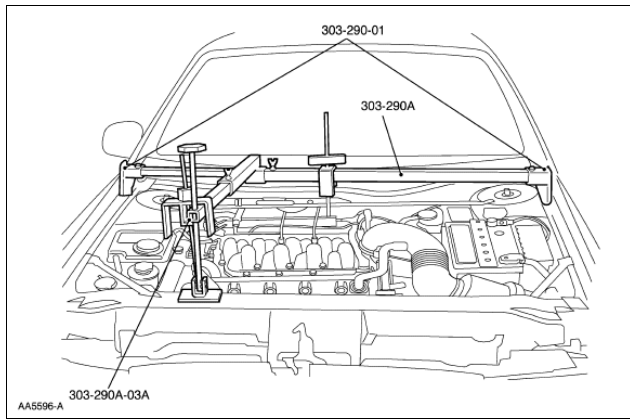
14. Install the LH engine lifting bracket on the RH (back) side of the engine.



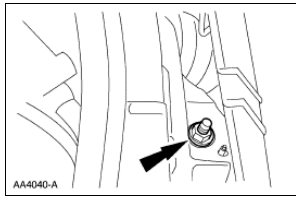
15. Install the RH engine lifting bracket on the LH (front) side of the engine.



16. Install the special tools.

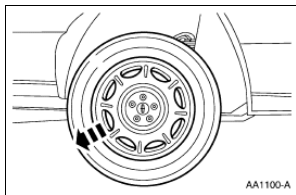


17. Remove the nut.

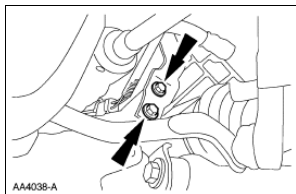


18. Partially raise the vehicle. For additional information, refer to [Section 100-02](#) .

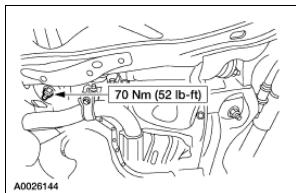
19. Remove the RH front wheel and tire assembly. For additional information, refer to [Section 204-04](#) .



20. Remove the bolts and the motor mount bracket.

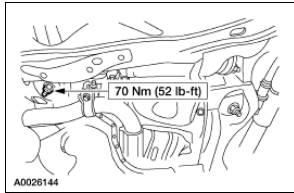


21. Remove the nut and the engine support insulator.



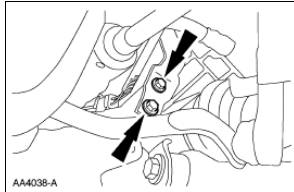
## Installation

1. Position the engine support insulator and install the nut.
  - Use Threadlock 262 E2FZ-19554-B meeting Ford specification WSK-M2G351-A6.

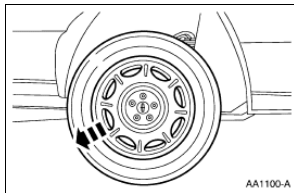


2. Position the engine support insulator bracket and install the bolts.

- Use Threadlock 262 E2FZ-19554-B meeting Ford specification WSK-M2G351-A6.

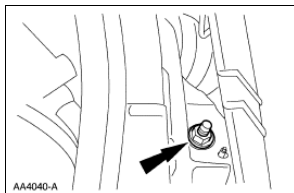


3. Install the RH front wheel and tire assembly. For additional information, refer to Section 204-04 .



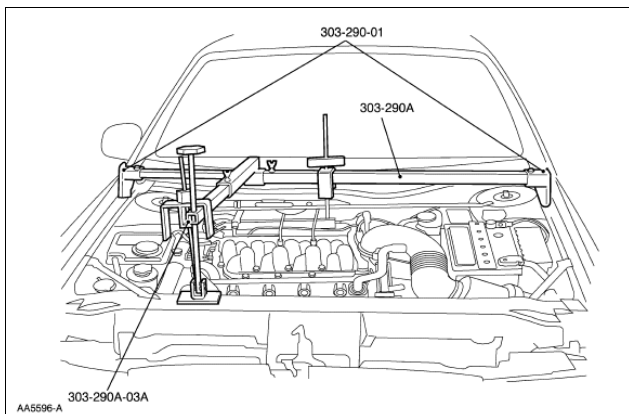
4. Partially lower the vehicle.

5. Install the nut.



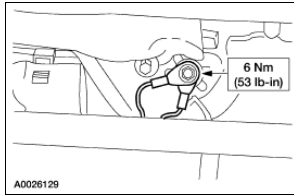
6. Lower the vehicle.

7. Remove the special tools.

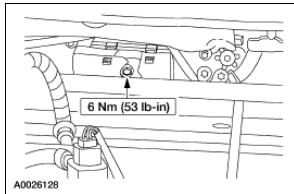


8. Connect the ground wires.

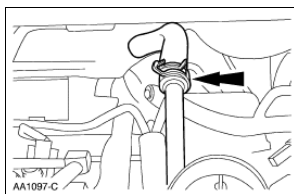




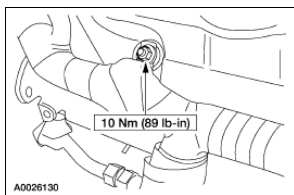
9. Connect the powertrain control module.



10. Connect the heater water hose.

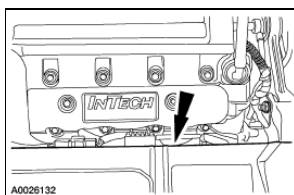


11. Reposition the engine control sensor wiring and install the nut.

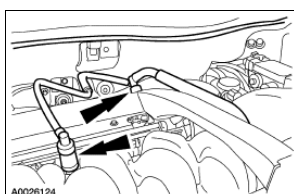


12. Install the windshield wiper mounting arm and pivot shaft. For additional information, refer to [Section 501-16](#).

13. Install the upper radiator sight shield.



14. Install the PCV valve in the valve cover and connect the main vacuum supply tube.

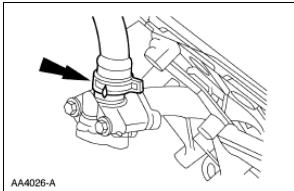


15. **CAUTION:** The hose clamp tangs are not to face at 3:00 o'clock or damage to the hood will occur.

Connect the hose.



16. Connect the hose.



17. Connect the battery ground cable. For additional information, refer to Section 414-01 .

18. Refill the engine cooling system. For additional information, refer to Section 303-03 .

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## SECTION 303-01: Engine REMOVAL

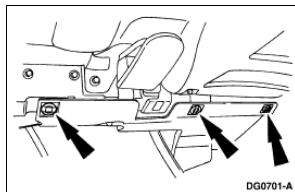
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### Engine

#### Special Tool(s)

	Spreader Bar Set 303-D089 (D93P-6001-A3) or equivalent
	Remover/Installer, Front Wheel Hub 204-069 (T81P-1104-C)
	Remover, Wheel Stud (Metric) 204-085 (T83P-1104-BH)
	Remover, Steering Arm 211-003 (T64P-3590-F)
	Powertrain Lift with Tilting Plate 014-00765
	Remover, Tie Rod End 211-001 (TOOL-3290-D)
	Lifting Bracket, Engine 303-D087 (D93P-6001-A1)
	Lifting Bracket, Engine 303-D088 (D93P-6001-A2)

1. Disconnect the battery ground cable. For additional information, refer to [Section 414-01](#) .
2. If equipped, remove the LH dash close-out panel.
  - Remove the three pushpins.
  - Disconnect the courtesy lamp.



3. Remove the steering column boot.
  - Remove the bolts.
  - Position the boot.