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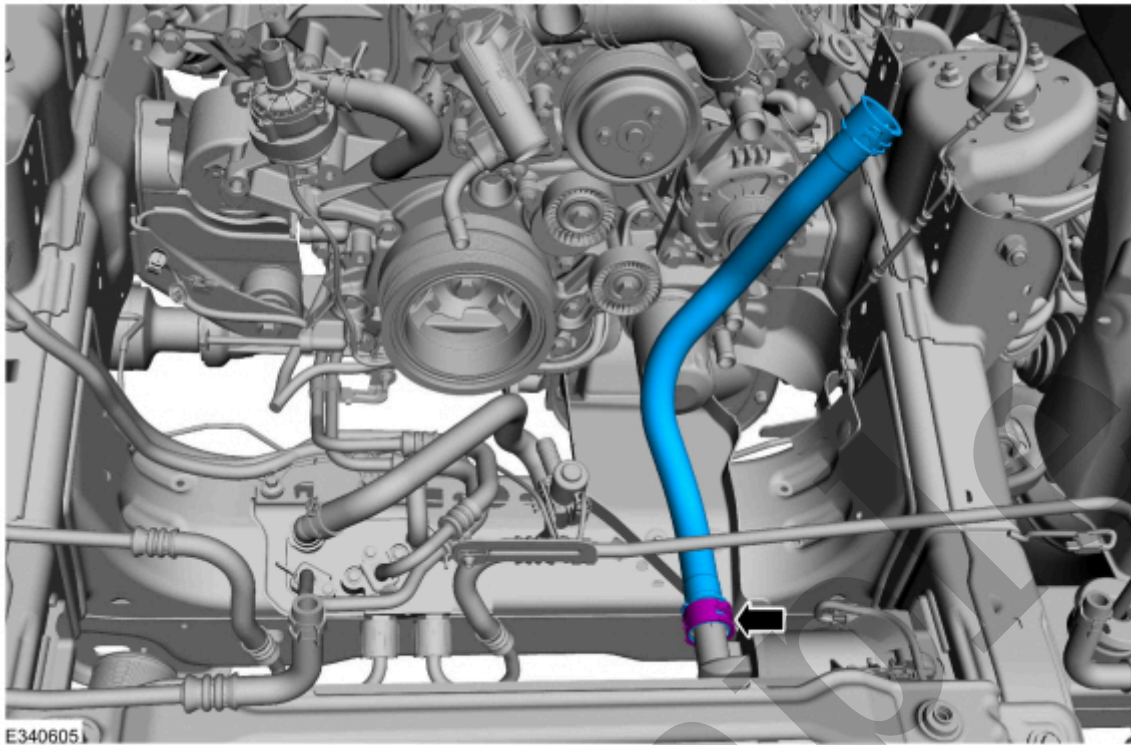
FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2013 Ford Escape Parts Manual

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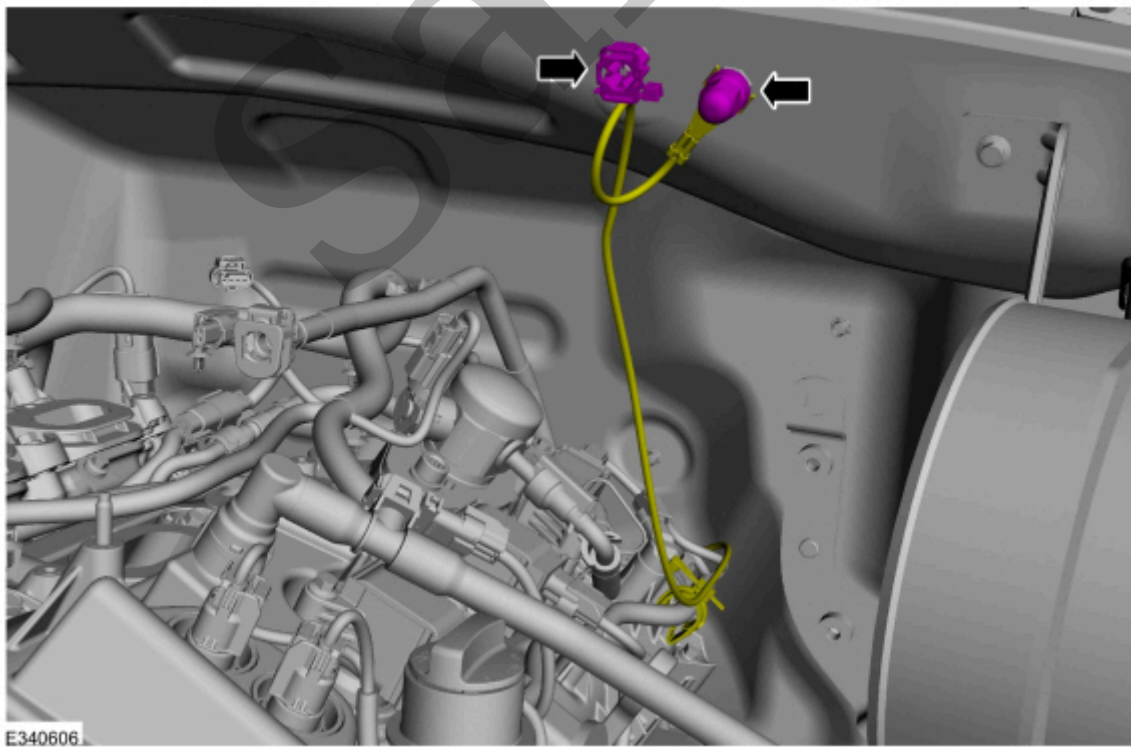
36. Disconnect and remove the TC (turbocharger) bypass valve tube.

Use the General Equipment: Hose Clamp Remover/Installer



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37. Disconnect the ground strap retainers. Remove the nut and the ground strap.

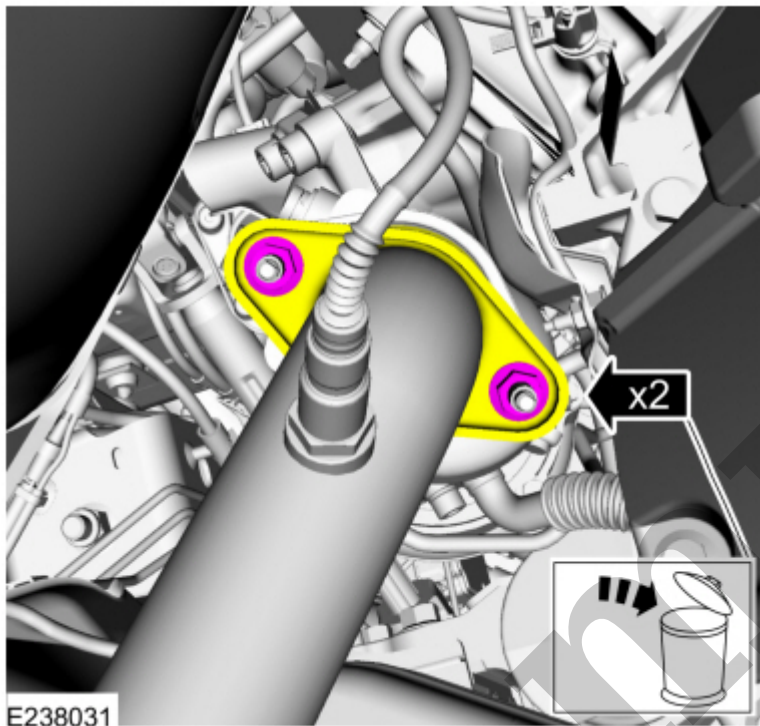


Refer to: [Starter Motor](#)(303-06C Starting System - 3.5L EcoBoost (BM), Removal and Installation).

40. **NOTE**

Make sure that the mating faces are clean and free of foreign material.

Remove and discard the LH (left-hand) catalytic converter flange nuts.

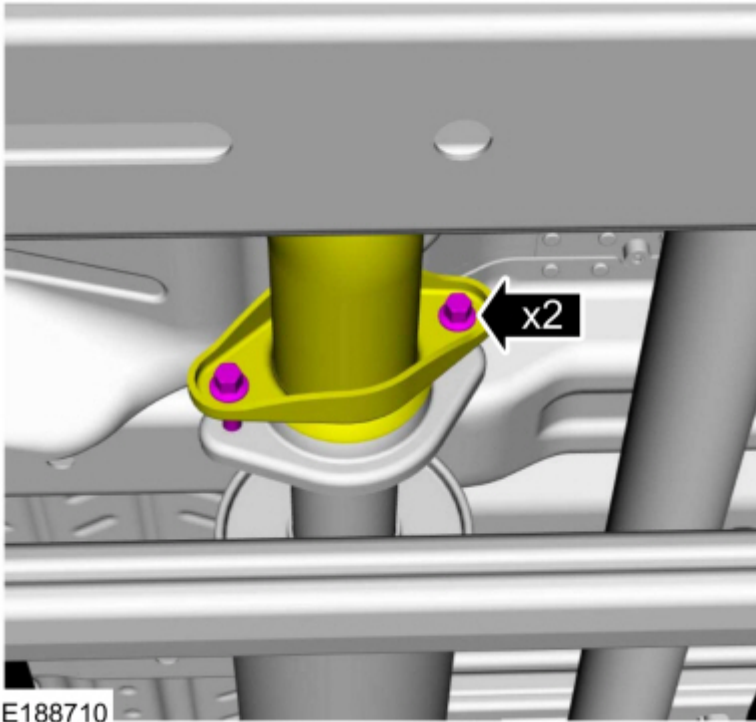


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41. **NOTE**

Make sure that the mating faces are clean and free of foreign material.

Remove and discard the RH (right-hand) catalytic converter flange nuts.



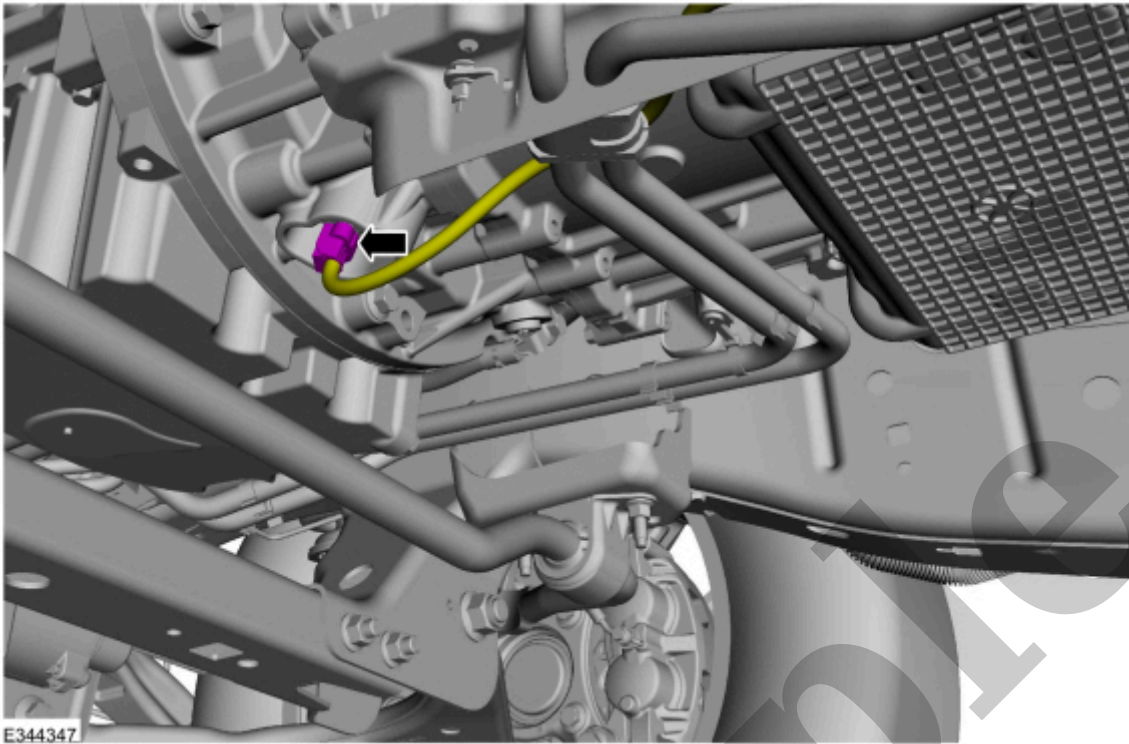
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43. **NOTICE**

Only use hand tools when removing the transmission mount-to-crossmember nuts or damage to the transmission mount can occur.

Loosen the transmission mount-to-crossmember nuts.

45. Disconnect the engine clutch pressure sensor from the transmission.

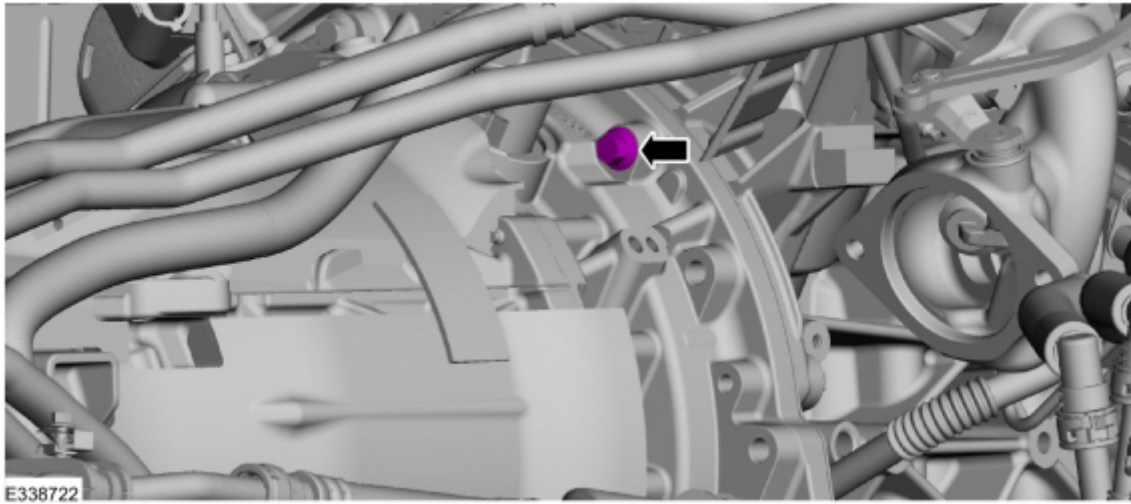


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46. **NOTE**

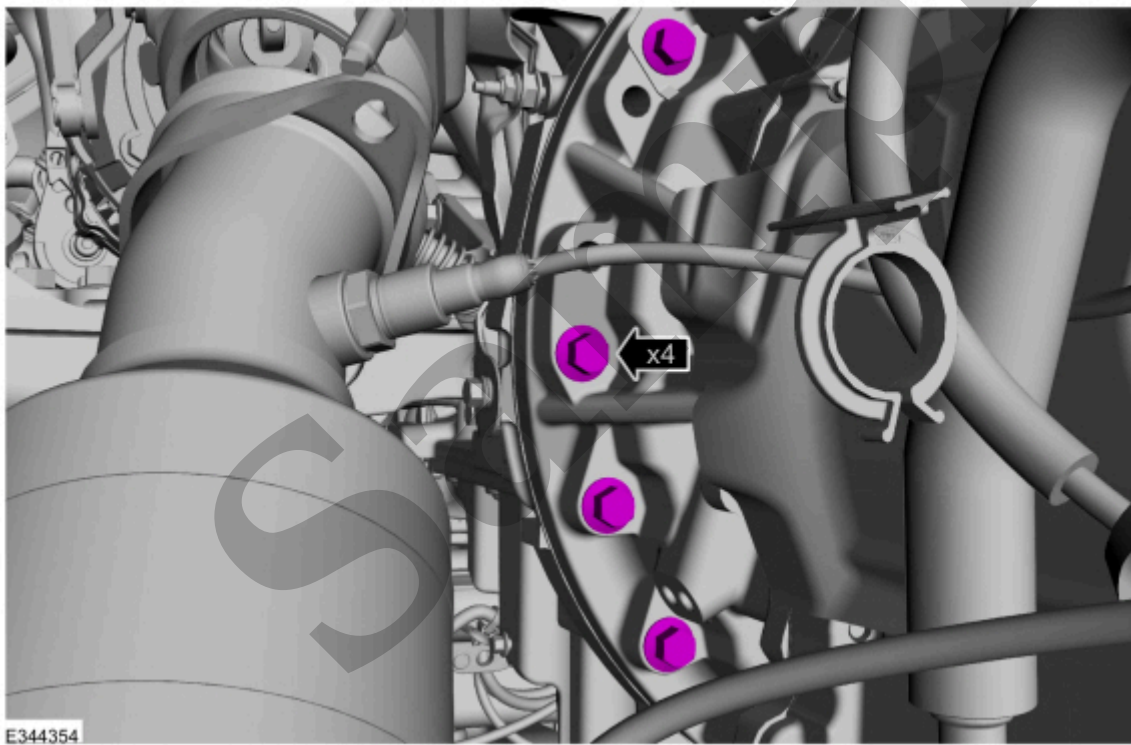
Mark the location of the bolts during removal.

Remove the lower bellhousing bolt.



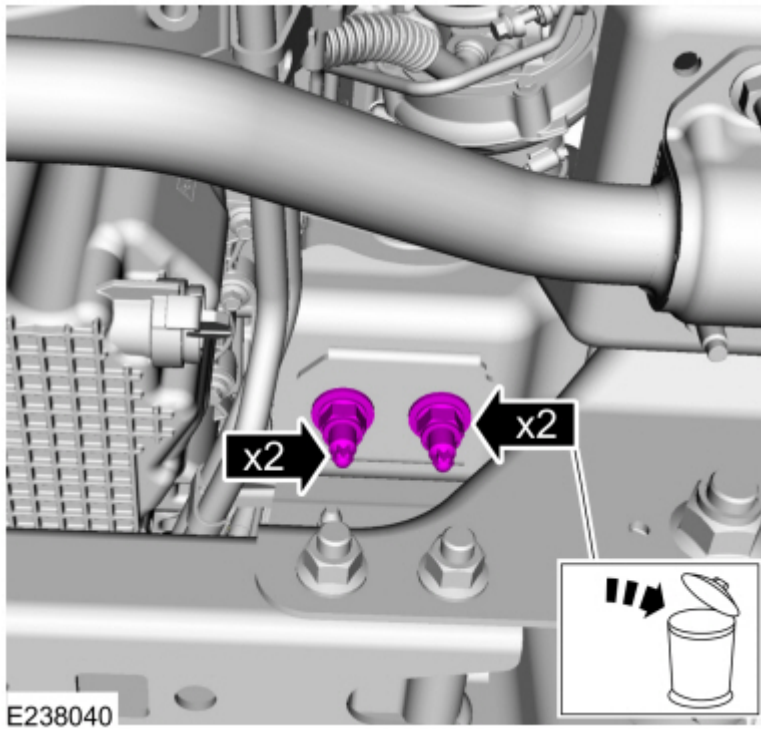
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49. Remove the LH (left-hand) side bellhousing bolts and the shift cable bracket.



[Click here to learn about symbols, color coding, and icons used in this manual.](#)

50. Remove the RH (right-hand) side bellhousing bolts.



[Click here to learn about symbols, color coding, and icons used in this manual.](#)

52. **NOTICE**

Only use hand tools when loosening or tightening the engine mount through bolts or damage to the engine mount-to-cylinder block bracket can occur.

Remove and discard the LH (left-hand) engine mount through bolt.

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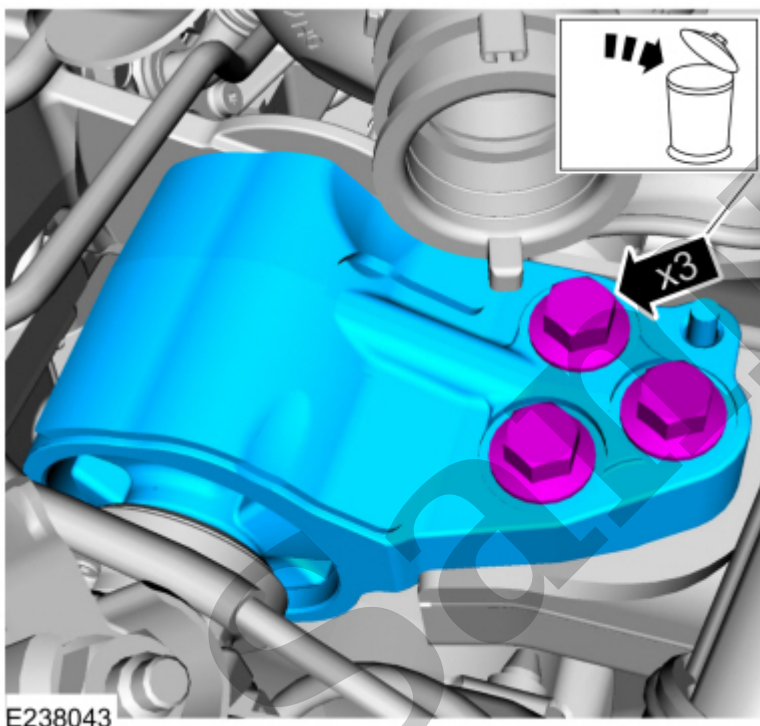
54. **NOTICE**

Only use hand tools when loosening or tightening the engine mount-to-frame bolts or damage to the engine mount-to-frame nut plate can occur.

NOTE

Leave the LH (left-hand) engine mount in place.

Remove and discard the LH (left-hand) engine mount bolts.



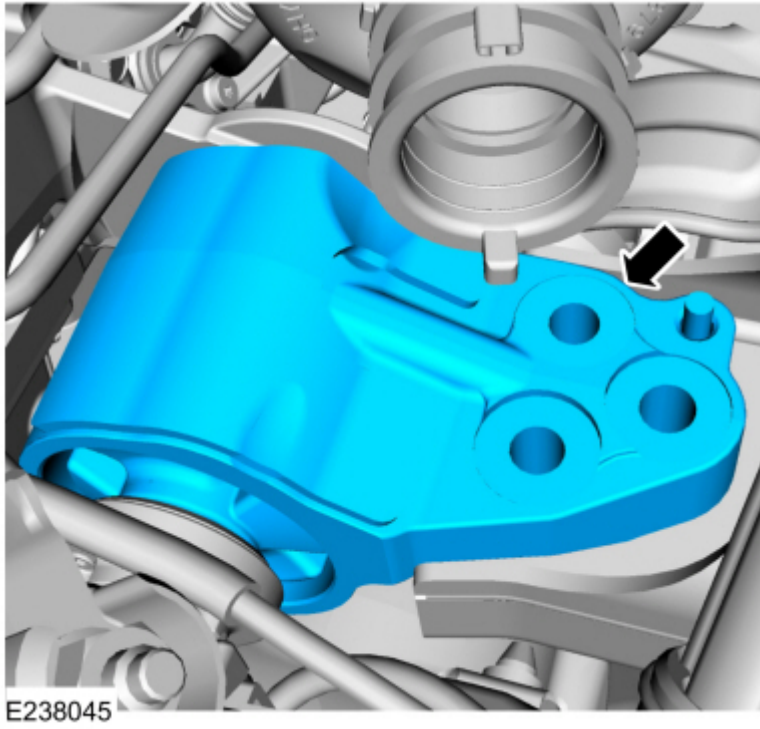
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55. Remove the right rear ignition coil.

Refer to: [Ignition Coil-On-Plug](#)(303-07D Engine Ignition - 3.5L V6 PowerBoost (CN), Removal and Installation).

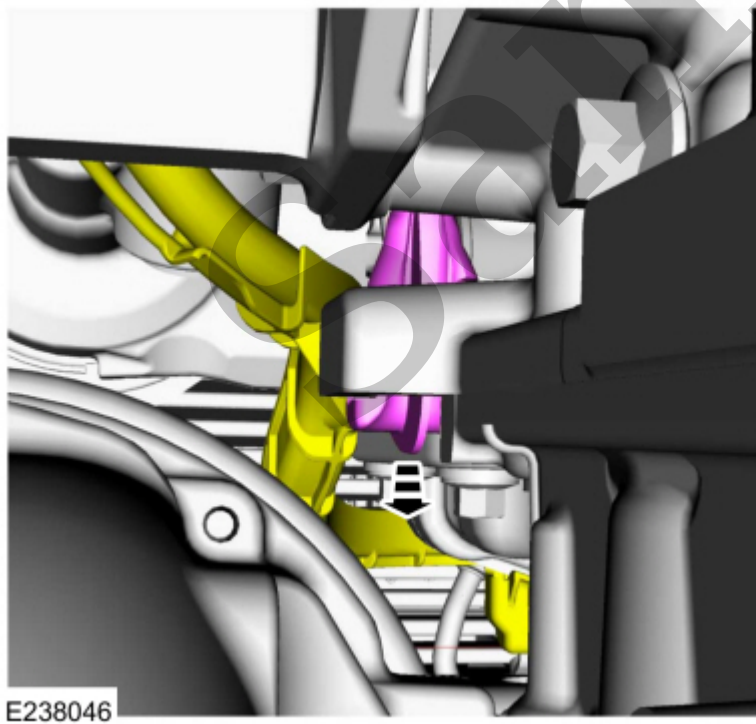
56. **NOTE**

The use of a ratchet strap may be needed to level the engine.



[Click here to learn about symbols, color coding, and icons used in this manual.](#)

58. Disconnect and position aside the generator wiring harness from the engine.



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59. Using the floor crane, lift eyes and the engine spreader bar, remove the engine.



Camshaft LH

303-01D Engine - 3.5L V6 PowerBoost (CN)	2022 F-150
Removal and Installation	Procedure revision date: 10/14/2020

Camshaft LH

Removal

NOTICE

During engine repair procedures, cleanliness is extremely important. Any foreign material, including any material created while cleaning gasket surfaces, that enters the oil passages, coolant passages or the oil pan, can cause engine failure.

NOTE

If the RH (right-hand) camshafts are being serviced at the same time as the LH (left-hand) camshafts, remove the RH (right-hand) camshafts first. Refer to the procedure in this section.

NOTE

If the components are to be reinstalled, they must be installed in their original locations.

1. With the vehicle in NEUTRAL, position it on a hoist.

Refer to: [Jacking and Lifting - Overview](#)(100-02 Jacking and Lifting, Description and Operation).
2. Release the fuel system pressure.

Refer to: [Fuel System Pressure Release](#)(310-00C Fuel System - General Information - 3.5L EcoBoost (BM), General Procedures).