

2002 Ford Focus LX

2002 TRANSMISSION Manual Transmission/Transaxle - Vehicles With MT285/Manual Transaxle - Focus

2002 TRANSMISSION**Manual Transmission/Transaxle - Vehicles With MT285/Manual Transaxle - Focus****SPECIFICATIONS****LUBRICANTS, FLUIDS, SEALERS AND ADHESIVES SPECIFICATION**

Item	Specification
Manual transmission fluid	WSD-M2C200-C

CAPACITIES SPECIFICATION

	Litres
Manual transmission fluid (to below the lower edge of the oil level check bore)	1.7

TRANSAXLE RATIOS SPECIFICATION

Gear	Ratio
1st	12.789
2nd	7.793
3rd	5.651
4th	4.615
5th	3.828
6th	3.126
Reverse	11.944

TORQUE SPECIFICATIONS

Description	Nm	lb-ft	lb-in
Transaxle housing retaining bolts	48	35	-
Starter motor retaining bolts	35	26	-
Halfshaft center bearing retaining nuts	25	18	-
Engine rear mount bracket to transaxle	80	59	-
Engine rear mount retaining nut (four nuts)	48	35	-
Engine rear mount retaining nut (center nut)	133	98	-
Catalytic converter to exhaust manifold nuts	47	35	-
Exhaust flexible pipe to the tailpipe and muffler assembly	47	35	-
Catalytic converter support bracket retaining bolts	25	18	-
Gearshift cables support bracket to transaxle housing retaining bolts	20	15	-
Suspension lower arm ball joint retaining nut	50	37	-
Tie-rod end retaining nut	47	35	-
Strut and spring assembly upper mounting retaining nuts	25	18	-
Transmission fluid drain plug	45	33	-

Transmission fluid filler plug	45	33	-
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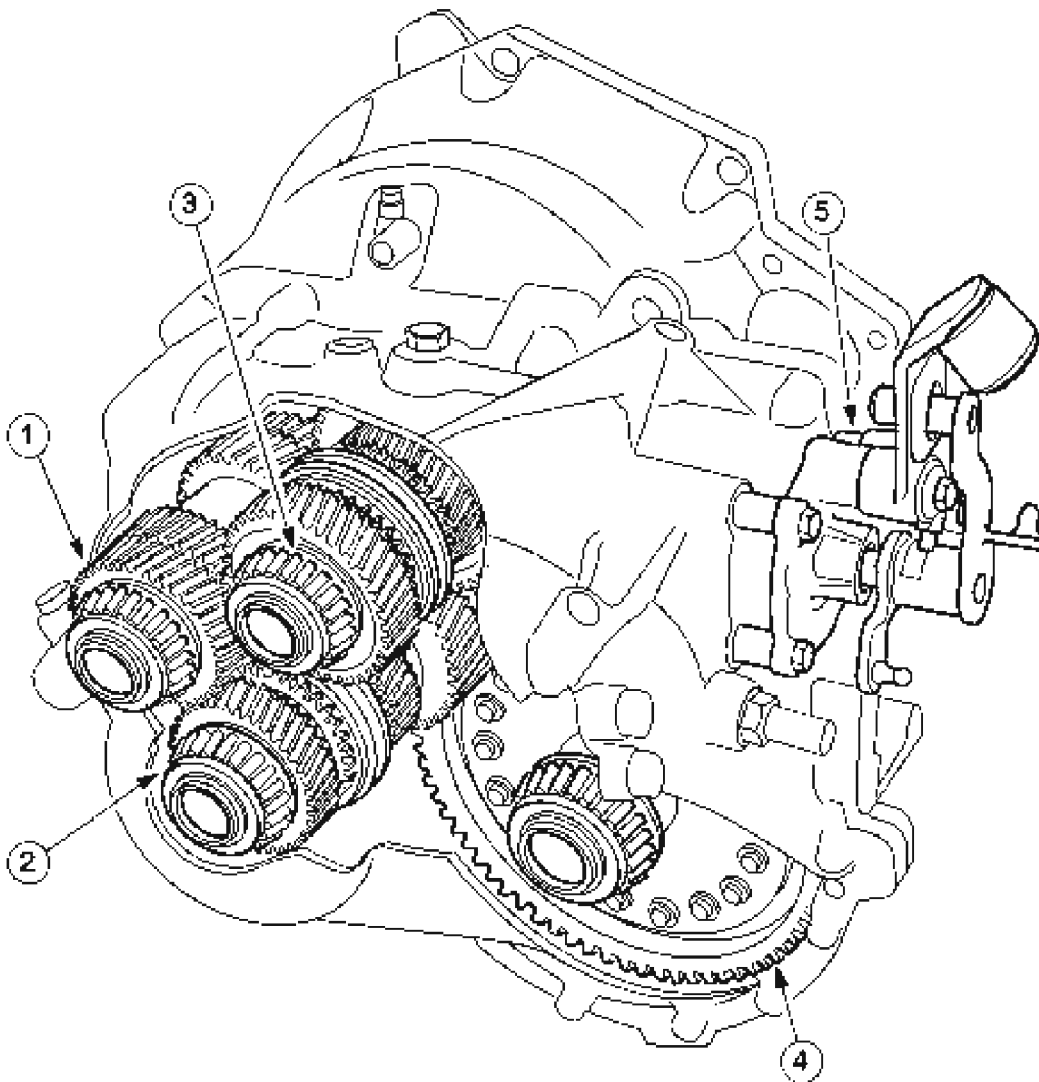
DESCRIPTION AND OPERATION

MANUAL TRANSAXLE

Transaxle Overview

2002 Ford Focus LX

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TMED025884

Item	Part Number	Description
1	—	Input shaft
2	—	Output shaft 1
3	—	Output shaft 2
4	—	Differential gear
5	—	Shift tower

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Fig. 1: Identifying Manual Transaxle Overview
Courtesy of FORD MOTOR CO.

General features

The 6-speed manual transaxle is a three-shaft design with four fixed gear wheels on the input shaft and seven gear wheels on the two output shafts with a maximum input torque of 200

Nm.

In conventional transmissions/transaxles an input shaft transmits the torque to an output shaft on which the gear wheels are seated. The number of gears therefore determines the length of the transmission casing.

The 6-speed manual transaxle does not require an increase in the casing length to accommodate the six gears; this is achieved by using two output shafts. Using two output shafts allows the transaxle to be significantly shorter, enabling installation in a more confined space.

The gears are divided between the two output shafts as follows:

- Output shaft 1: first, second, fifth and sixth gear
- Output shaft 2: third, fourth and reverse gear

All gears are synchronized, including the reverse gear.

The gear wheels on the input shaft are fixed to the shaft.

The output shafts and the input shaft are supported by roller bearings (clutch housing), sealed ball bearings are used in the transaxle housing.

The differential is supported in both housings by taper roller bearings.

The center distance between the input shaft and the differential is 187.85 mm.

The transaxle weight is approximately 46 kg and the overall length is 332 mm including the clutch housing.

DIAGNOSIS AND TESTING

MANUAL TRANSAXLE

REFER to MANUAL TRANSMISSION/TRANSAXLE AND CLUTCH - GENERAL INFORMATION .

GENERAL PROCEDURES

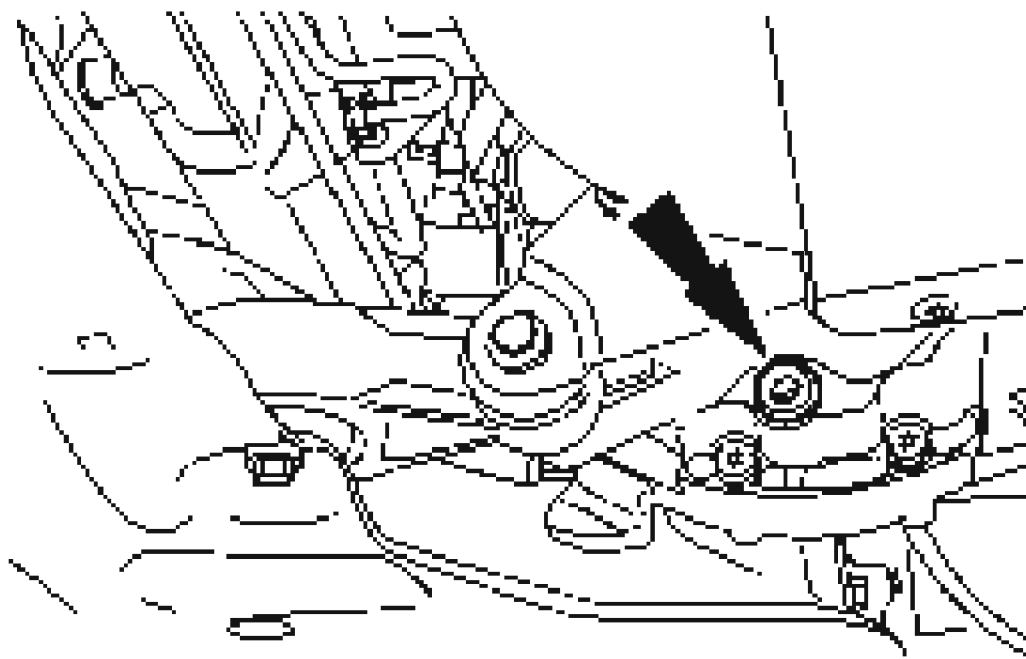
TRANSAXLE DRAINING AND FILLING

Material

MATERIAL SPECIFICATION

Manual transmission fluid	WSD-M2C200-C
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1. Raise and support the vehicle.
2. Remove the transaxle drain plug.
 - Allow the oil to drain into a suitable container.
 - Discard the seal.

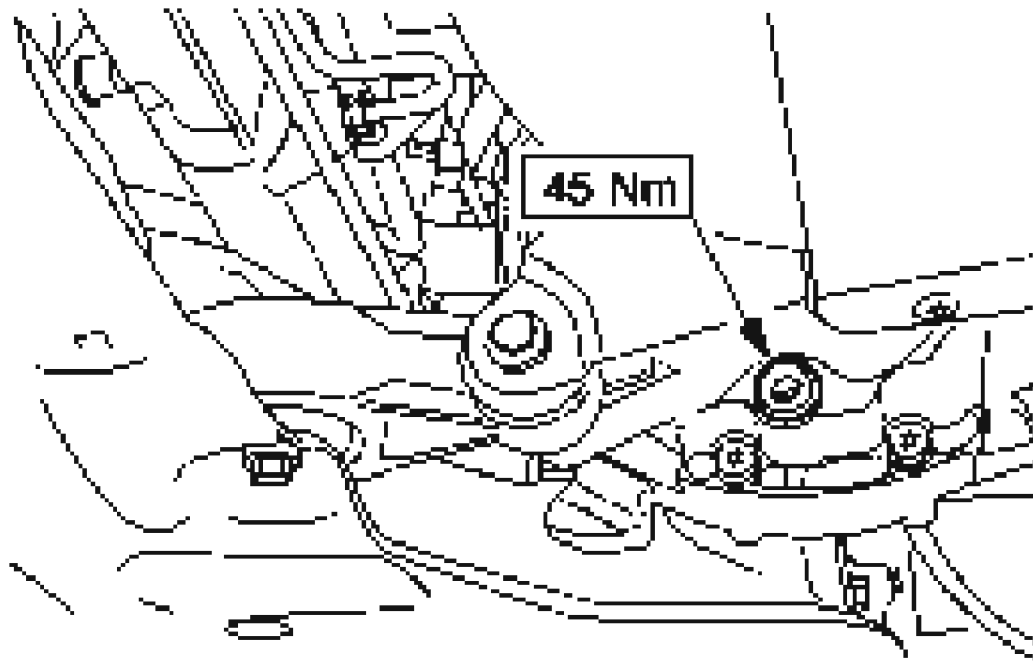


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Fig. 2: Removing Transaxle Drain Plug
Courtesy of FORD MOTOR CO.

NOTE: **Install a new drain plug seal.**

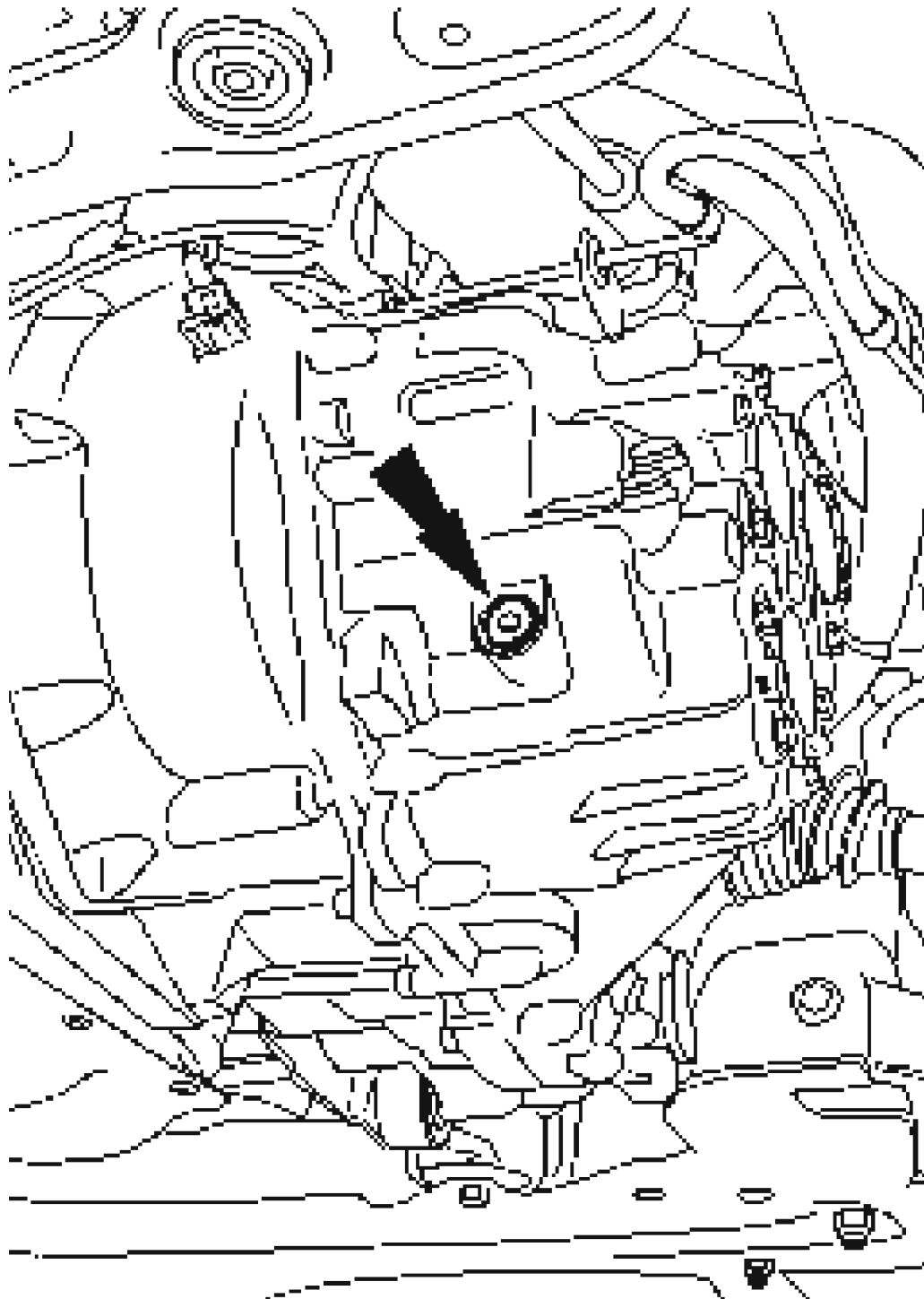
NOTE: **Clean the drain plug threads.**



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Fig. 3: Installing Drain Plug Seal
Courtesy of FORD MOTOR CO.

3. Install the drain plug.
4. Remove the transaxle filler plug.



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Fig. 4: Removing Transaxle Filler Plug
Courtesy of FORD MOTOR CO.

CAUTION: The total amount of oil is 1.7L. In case of transaxle refill, fill the transaxle with approximately 1.5L - 1.6L.

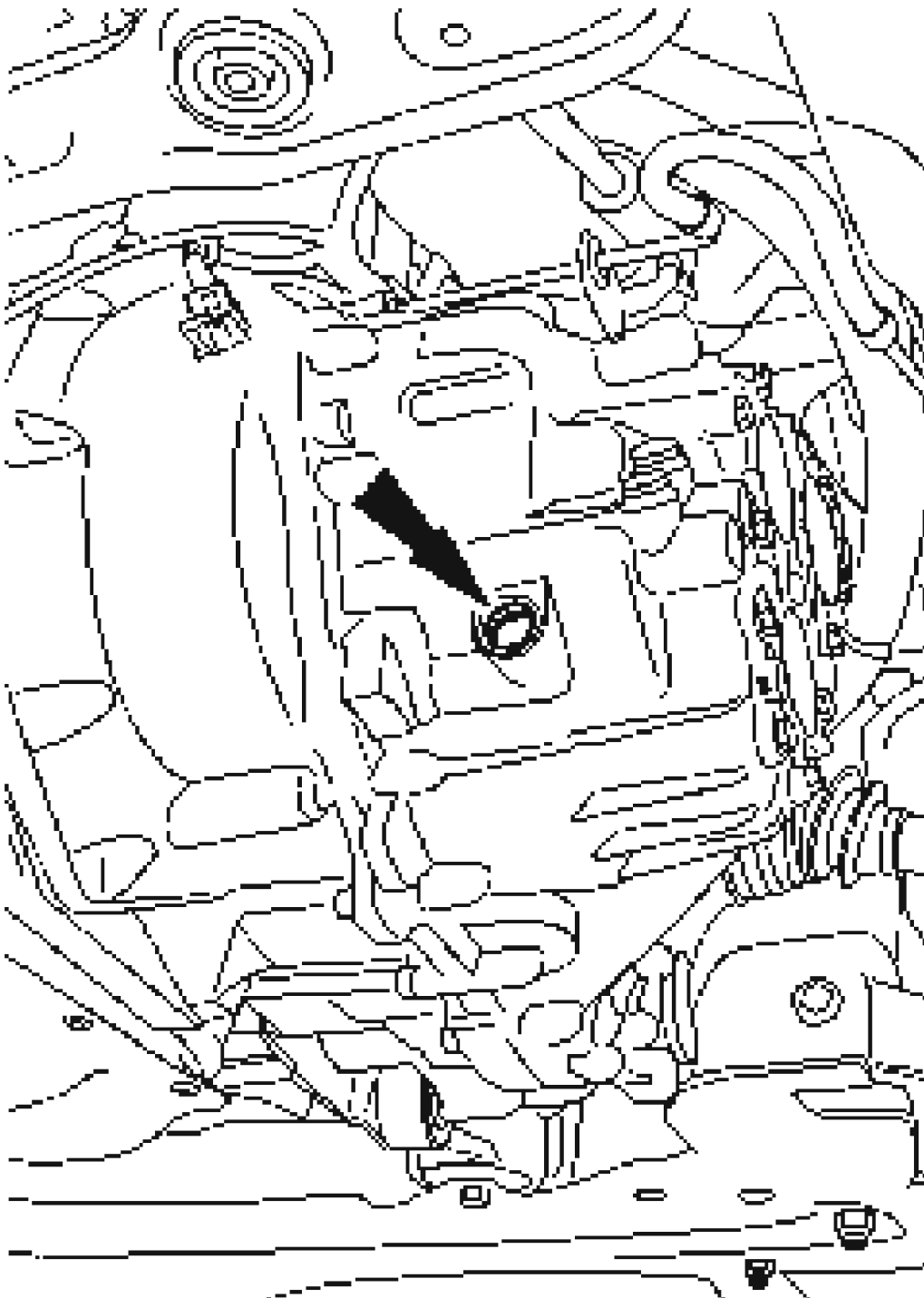
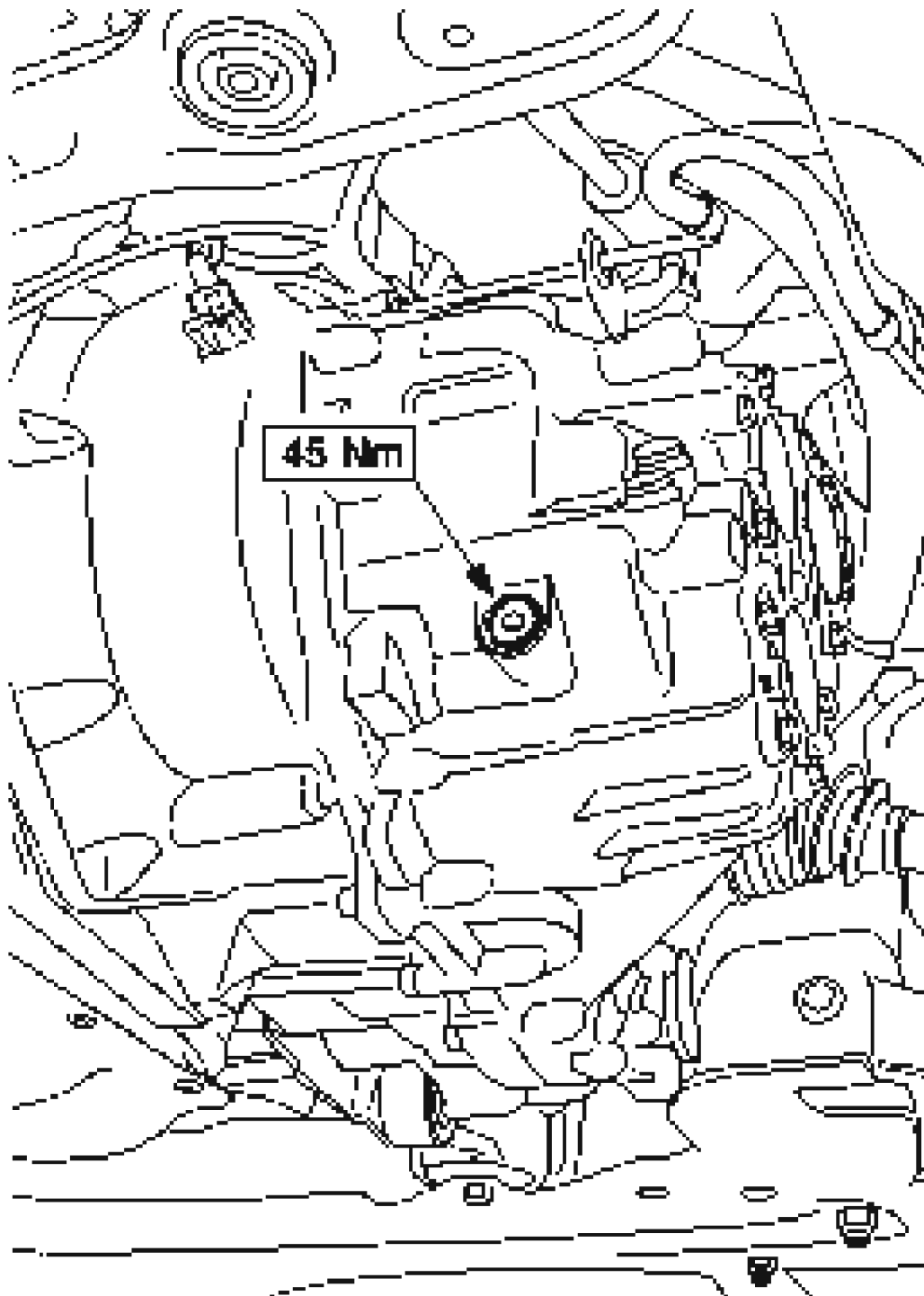


Fig. 5: Locating Filler Plug Bore
Courtesy of FORD MOTOR CO.

5. With the vehicle on a level surface, fill the transaxle to below the lower edge of the filler plug bore with manual transmission fluid.
6. Install the transaxle filler plug.



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Fig. 6: Installing Transaxle Filler Plug
Courtesy of FORD MOTOR CO.

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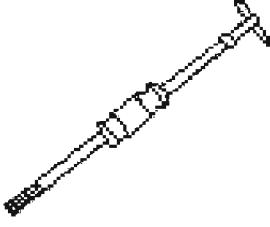

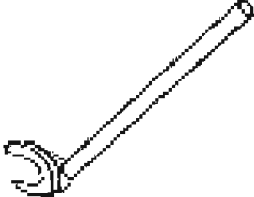
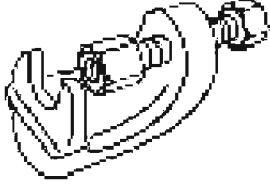
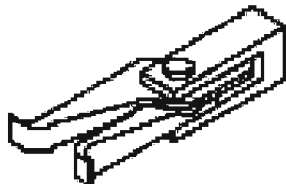
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7. Lower the vehicle.

IN-VEHICLE REPAIR

HALFSHAFT SEAL LH

Special Tool(s)

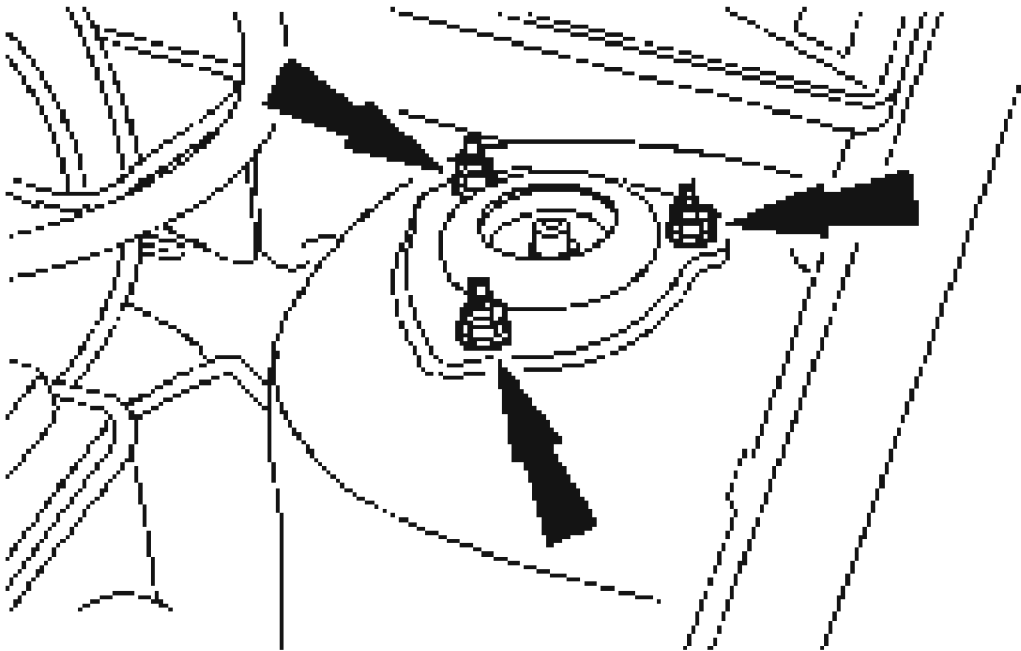
	Slide Hammer 100-001 (T50T-100-A)
	Adapter for 204-S030 204-046 (T79P-5638-A3)
	Remover, Halfshaft 205-241 (T86P-3514-A)
	Remover, Tie-rod End 211-001 (TOOL-3290-D)
	Remover, Stator Bearing 307-318 (T94P-77001-KH)

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Fig. 7: Identifying Halfshaft Seal LH Special Tool
Courtesy of FORD MOTOR CO.

Removal

1. Loosen the strut and spring assembly top mount retaining nuts by five turns.

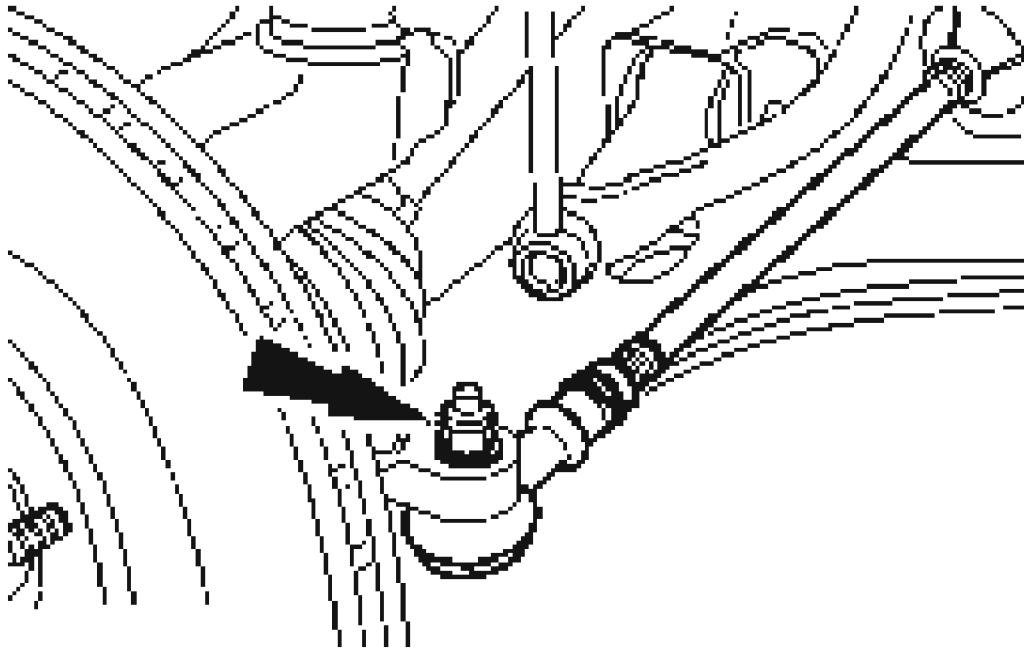


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Fig. 8: Loosening Strut And Spring Assembly
Courtesy of FORD MOTOR CO.

2. Remove the wheel and tire.

CAUTION: Leave the tie-rod end retaining nut in place to protect the ball joint stud.

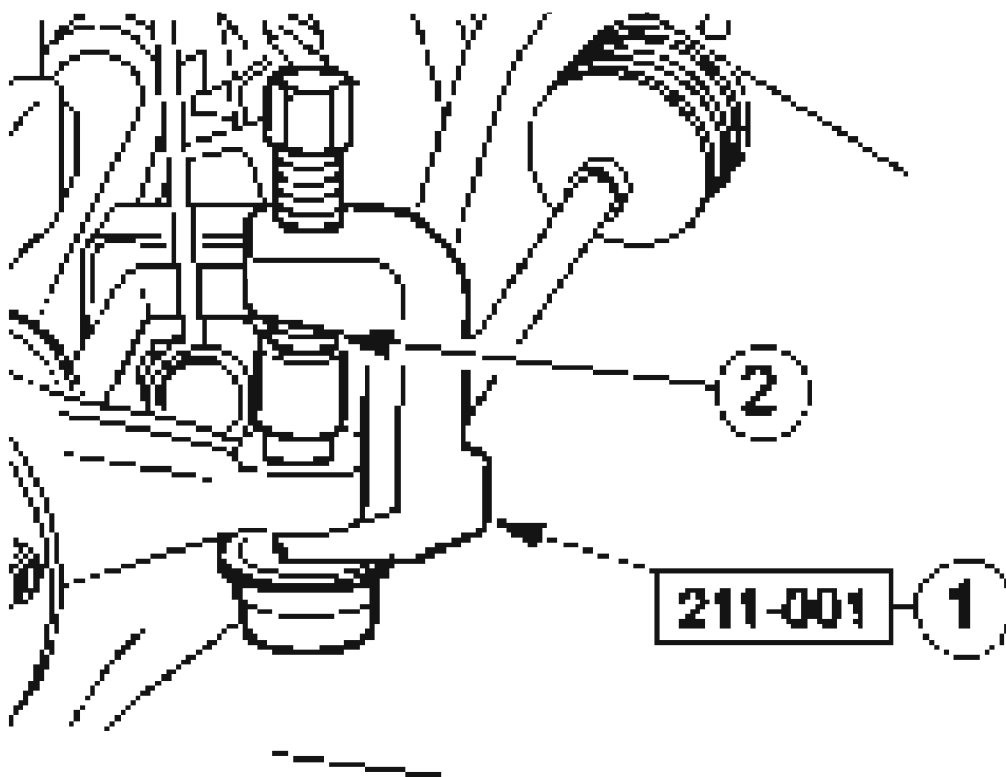


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Fig. 9: Loosening Tie-Rod End Retaining Nut
Courtesy of FORD MOTOR CO.

3. Loosen the tie-rod end retaining nut.

CAUTION: Protect the ball joint seal using a soft cloth to prevent damage.

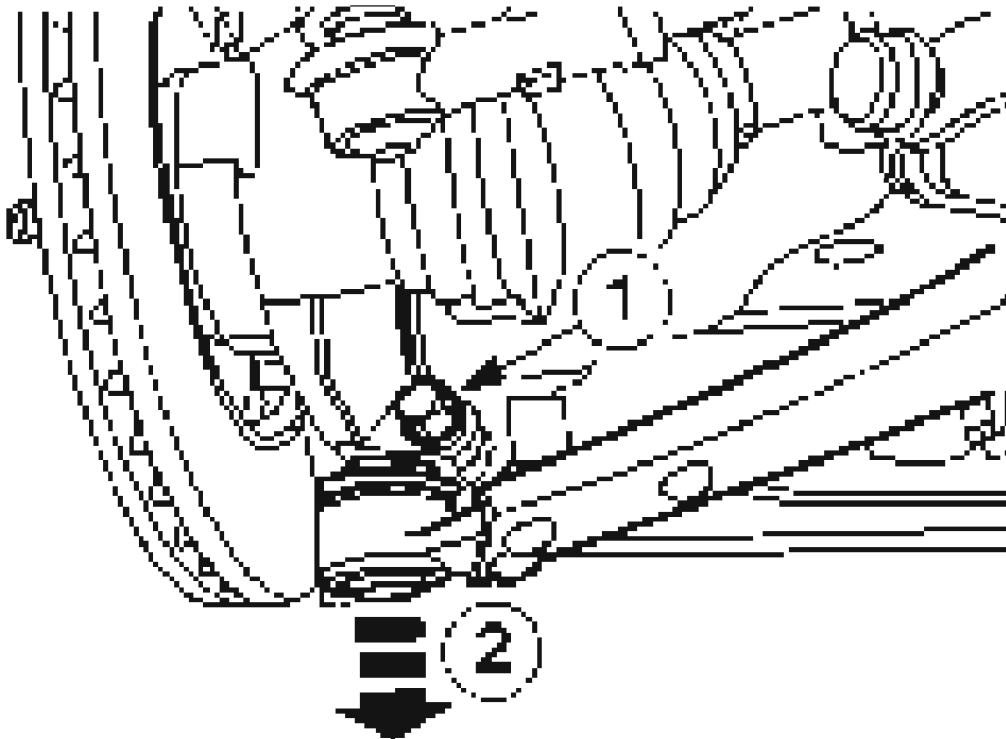


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Fig. 10: Removing Tie-Rod End Retaining Nut
Courtesy of FORD MOTOR CO.

4. Using the special tool, detach the tie-rod end from the wheel knuckle.
 1. Release the tie-rod end.
 2. Remove and discard the tie-rod end retaining nut.

CAUTION: Protect the ball joint seal using a soft cloth to prevent damage.



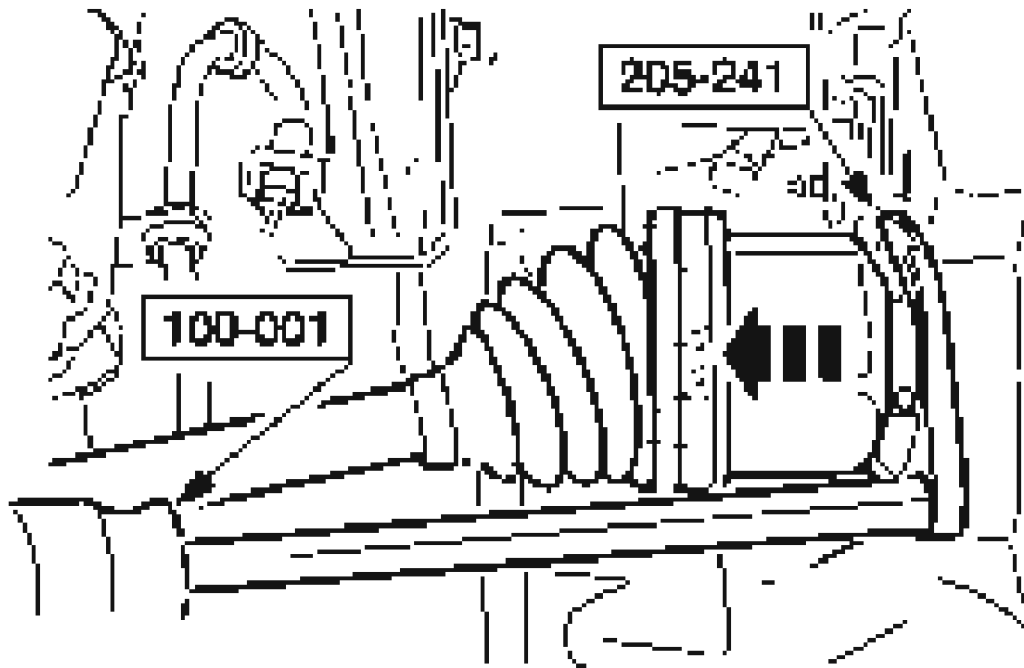
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Fig. 11: Detaching Lower Arm Ball Joint
Courtesy of FORD MOTOR CO.

5. Detach the lower arm ball joint from the wheel knuckle.
 1. Remove the nut and bolt.
 2. Detach the ball joint from the wheel knuckle.
 - Remove the heat shield.

CAUTION: Support the halfshaft. The inner joint must not be bent more than 18 degrees.

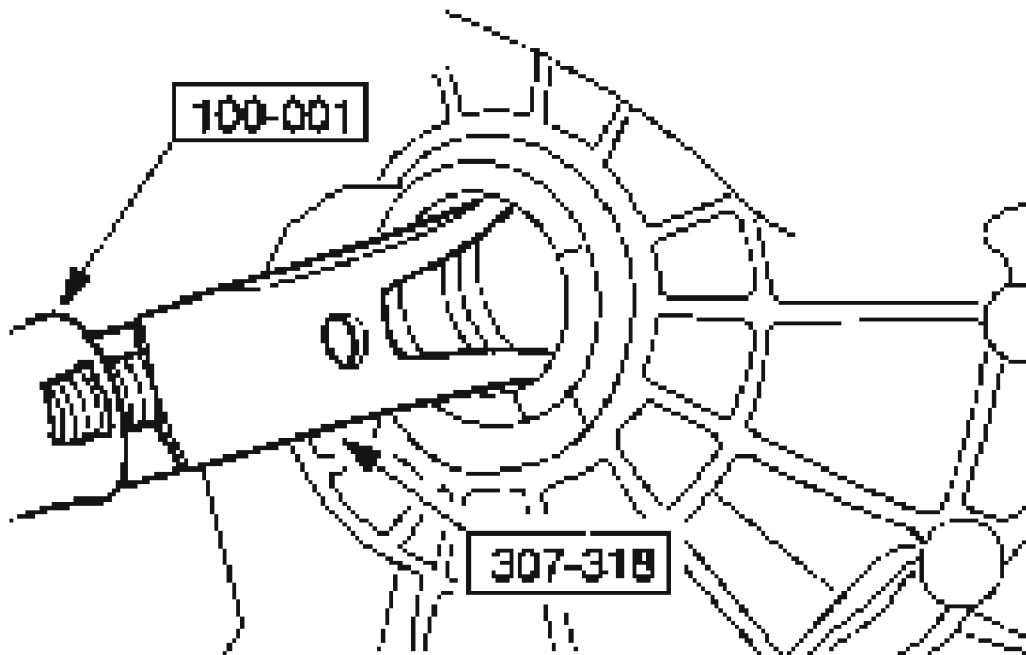
CAUTION: The outer joint must not be bent more than 45 degrees.



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Fig. 12: Discarding Snap Ring
Courtesy of FORD MOTOR CO.

6. Using the special tools, detach the halfshaft from the transaxle and secure it to one side.
 - Discard the snap ring.
 - Allow the oil to drain into a suitable container.
7. Using the special tools, remove the halfshaft oil seal.

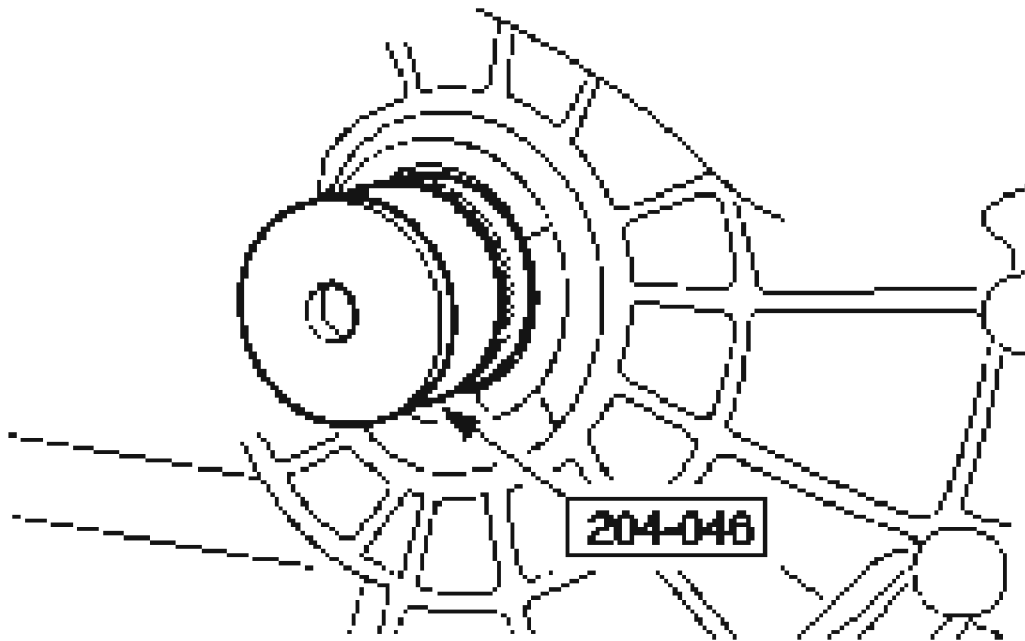


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Fig. 13: Removing Halfshaft Oil Seal Using Special Tool
Courtesy of FORD MOTOR CO.

Installation

1. Using the special tools, install the halfshaft oil seal.



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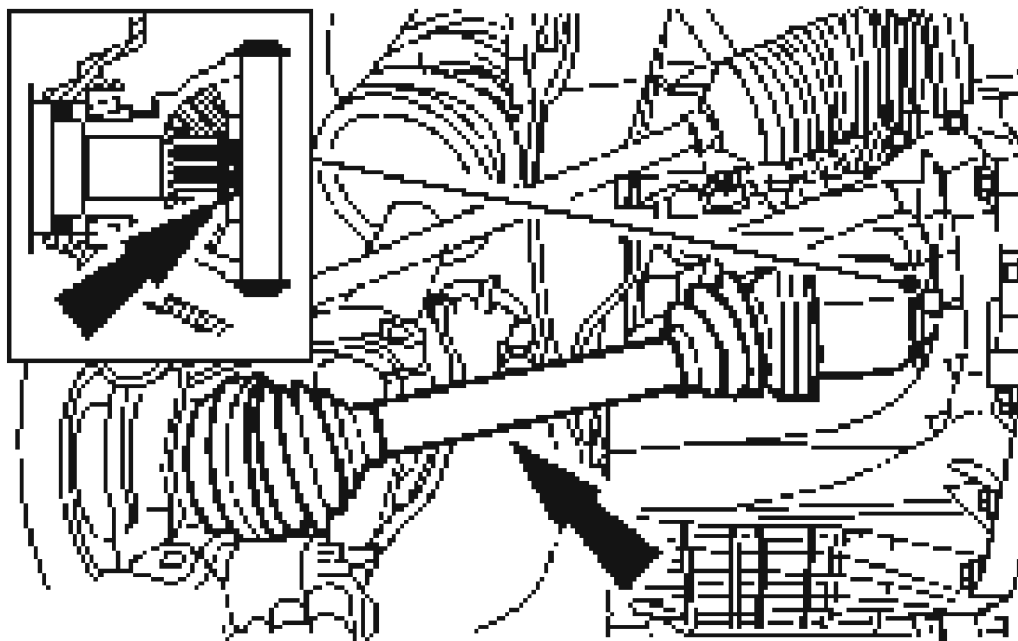
Fig. 14: Installing Halfshaft Oil Seal Using Special Tool
Courtesy of FORD MOTOR CO.

CAUTION: Support the halfshaft. The inner joint must not be bent more than 18 degrees. The outer joint must not be bent more than 45 degrees.

CAUTION: Do not damage the halfshaft oil seal.

CAUTION: Make sure the snap ring is correctly seated.

NOTE: Install a new snap ring.



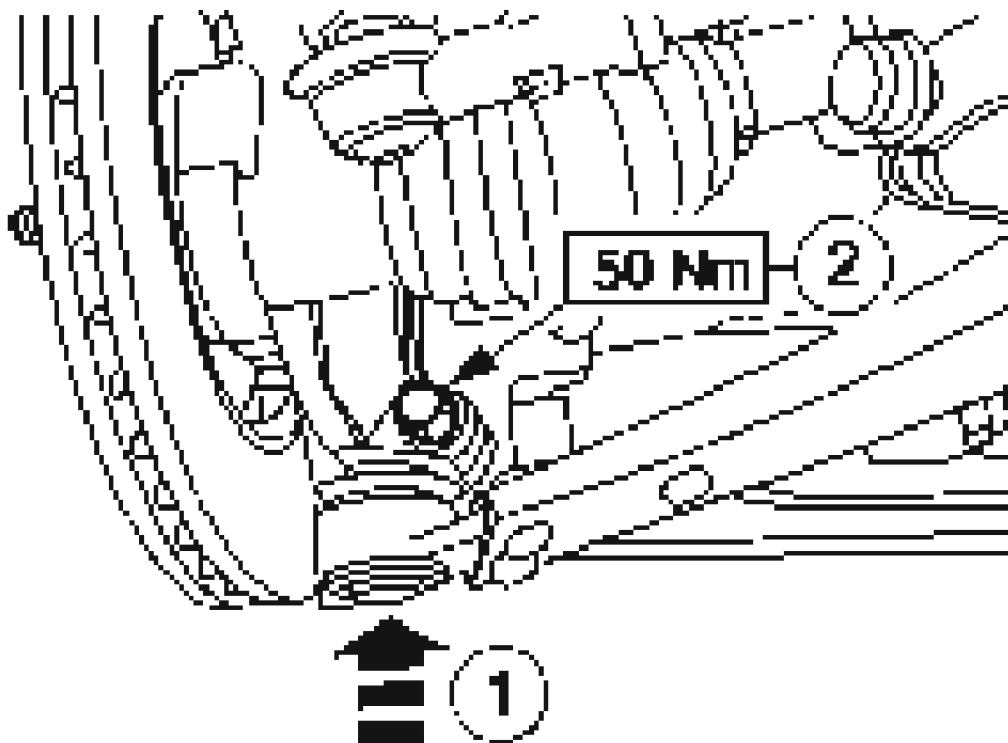
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Fig. 15: Installing Snap Ring
Courtesy of FORD MOTOR CO.

2. Attach the halfshaft to the transaxle.

CAUTION: The lower arm pinch bolt must be installed from the rear of the wheel knuckle.

CAUTION: Make sure the heat shield is installed to prevent damage to the ball joint.

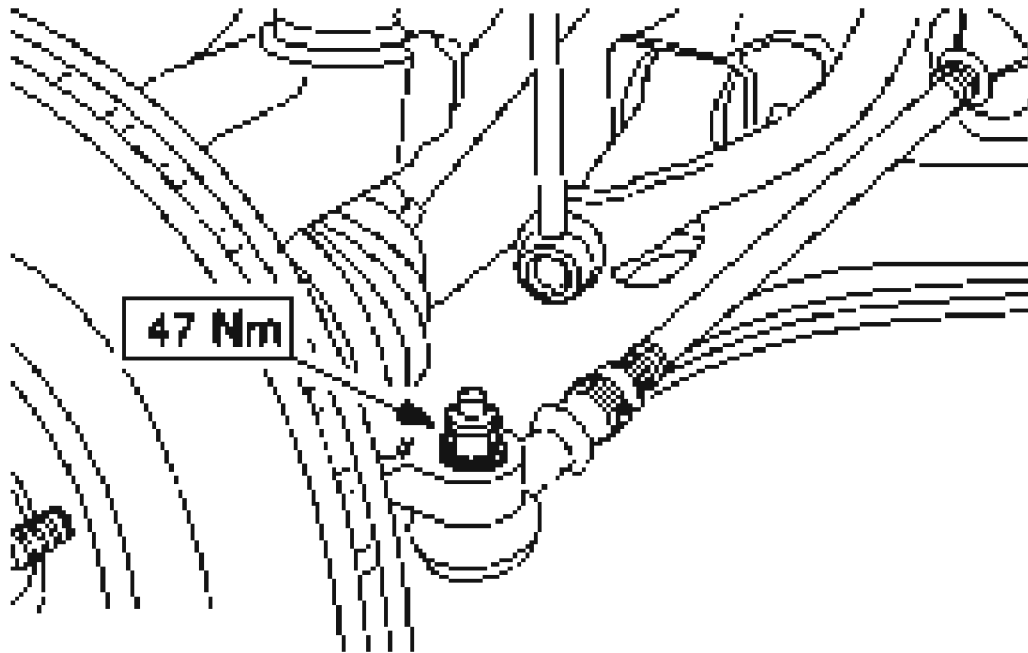


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Fig. 16: Installing Nut And Bolt
Courtesy of FORD MOTOR CO.

3. Attach the lower arm ball joint to the wheel knuckle.
 1. Attach the ball joint to the wheel knuckle.
 2. Install the nut and bolt.

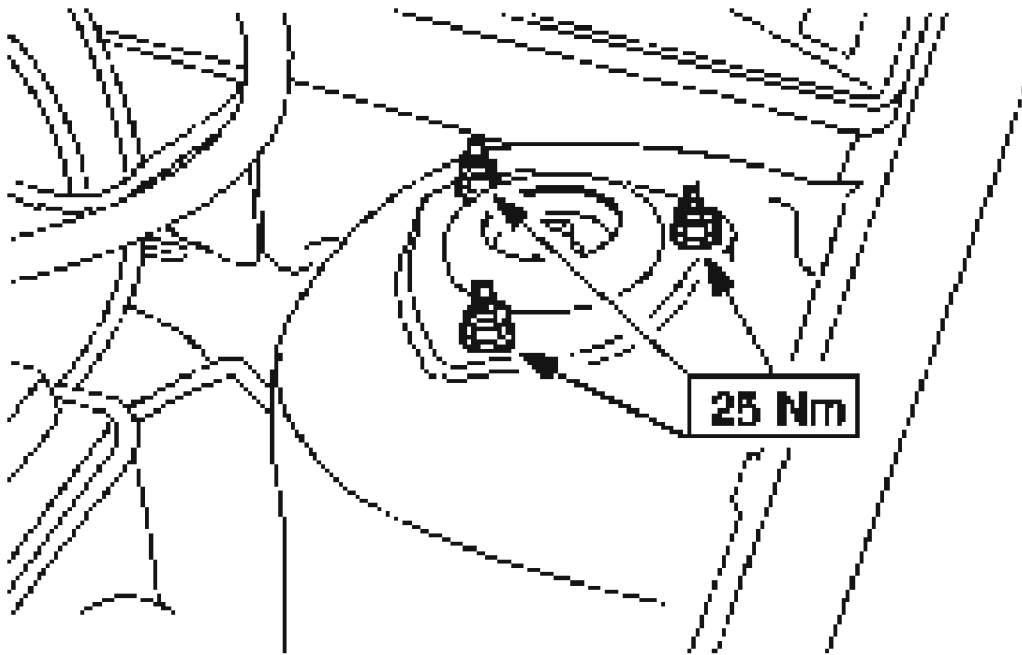
WARNING: Install a new tie-rod end retaining nut. Failure to follow this instruction may result in personal injury.



G03854937

Fig. 17: Attaching Tie-Rod End To Wheel Knuckle
Courtesy of FORD MOTOR CO.

4. Attach the tie-rod end to the wheel knuckle.
5. Check the transaxle fluid level and top up with manual transmission fluid, if necessary.
Refer to **TRANSAXLE DRAINING AND FILLING** .
6. Install the wheel and tire.
7. Tighten the strut and spring assembly top mount retaining nuts.

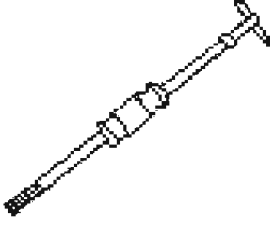


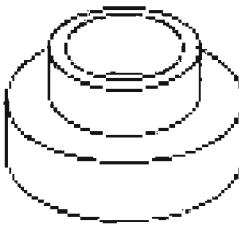
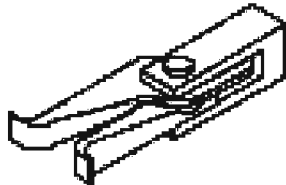


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Fig. 18: Tightening Strut And Spring Assembly
Courtesy of FORD MOTOR CO.

HALFSHAFT SEAL RH

Special Tool(s)

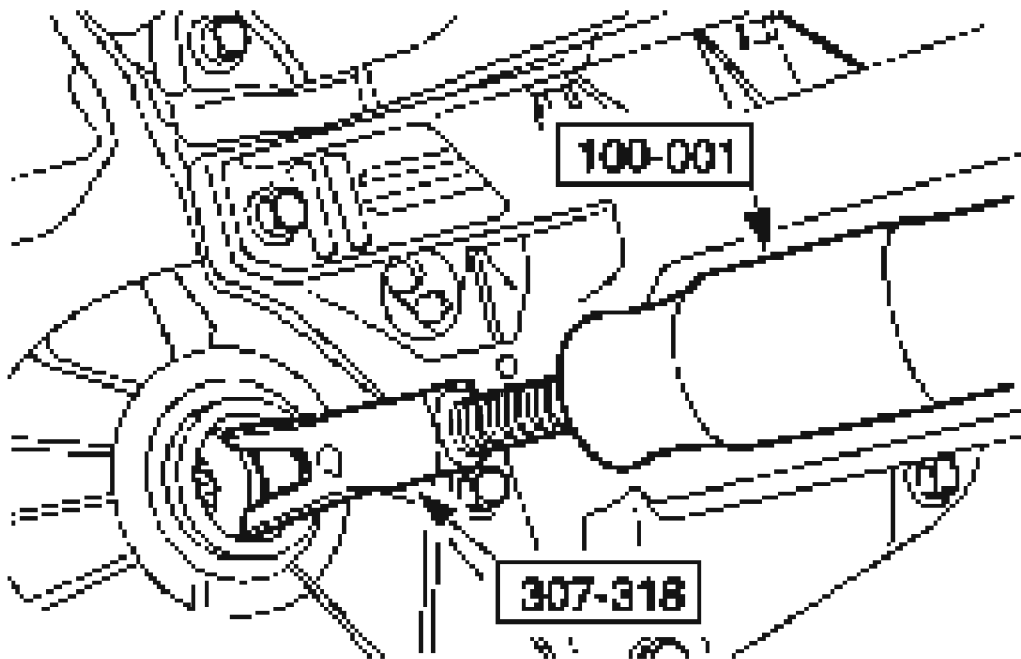
	Slide Hammer 100-001 (T50T-100-A)
	Adapter for 303-224 (Handle) 205-153 (T80T-4000-W)
	Installer, Differential Bearing 205-206 (T83T-4221-A)
	Installer, Wheel Hub Dust Seal 205-289 (T89P-1249-A)
	Remover, Stator Bearing 307-318 (T94P-77001-KH)

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Fig. 19: Identifying Halfshaft Seal RH Special Tool
Courtesy of FORD MOTOR CO.

Removal

1. Remove the right-hand halfshaft and the intermediate shaft. Refer to **AXLE SHAFTS** .
2. Using the special tools, remove the halfshaft oil seal.

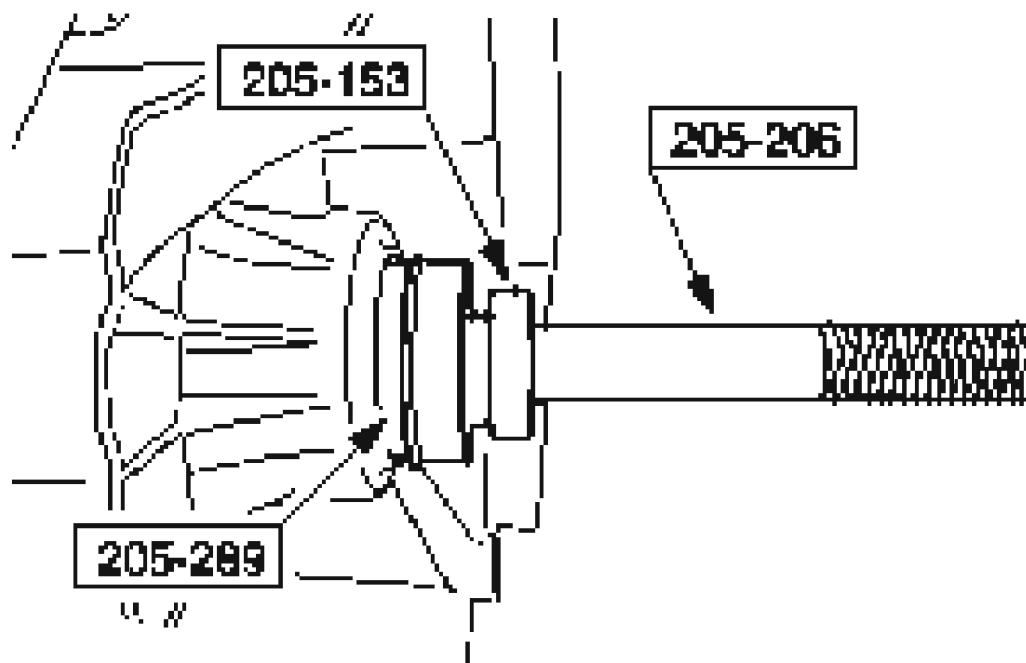


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Fig. 20: Removing Halfshaft Oil Seal Using Special Tool
Courtesy of FORD MOTOR CO.

Installation

1. Using the special tools, install the halfshaft oil seal.



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Fig. 21: Installing Halfshaft Oil Seal Using Special Tool
Courtesy of FORD MOTOR CO.

2. Install the right-hand halfshaft and the intermediate shaft. Refer to AXLE SHAFTS .
3. Check the transaxle fluid level and top up with manual transmission fluid, if necessary. Refer to TRANSAXLE DRAINING AND FILLING .

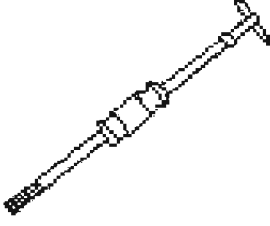
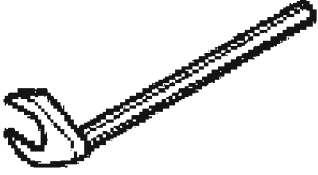

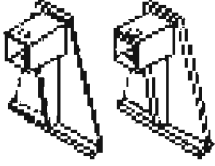
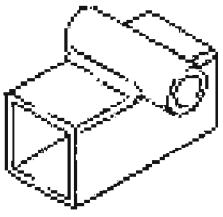
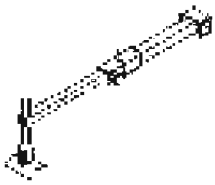
REMOVAL

TRANSAXLE

Special Tool(s)

2002 Ford Focus LX

2002 TRANSMISSION Manual Transmission/Transaxle - Vehicles With MT285/Manual Transaxle - Focus

	Slide Hammer 100-001 (T50T-100-A)
	Remover, Halfshaft 205-241 (T86P-3514-A)
	Support Bar, Engine 303-290A
	Adapter for 303-290A 303-290-01
	Adapter for 303-290A 303-290-02
	Adapter for 303-290A 303-290-03A

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Fig. 22: Identifying Transaxle Special Tool
Courtesy of FORD MOTOR CO.

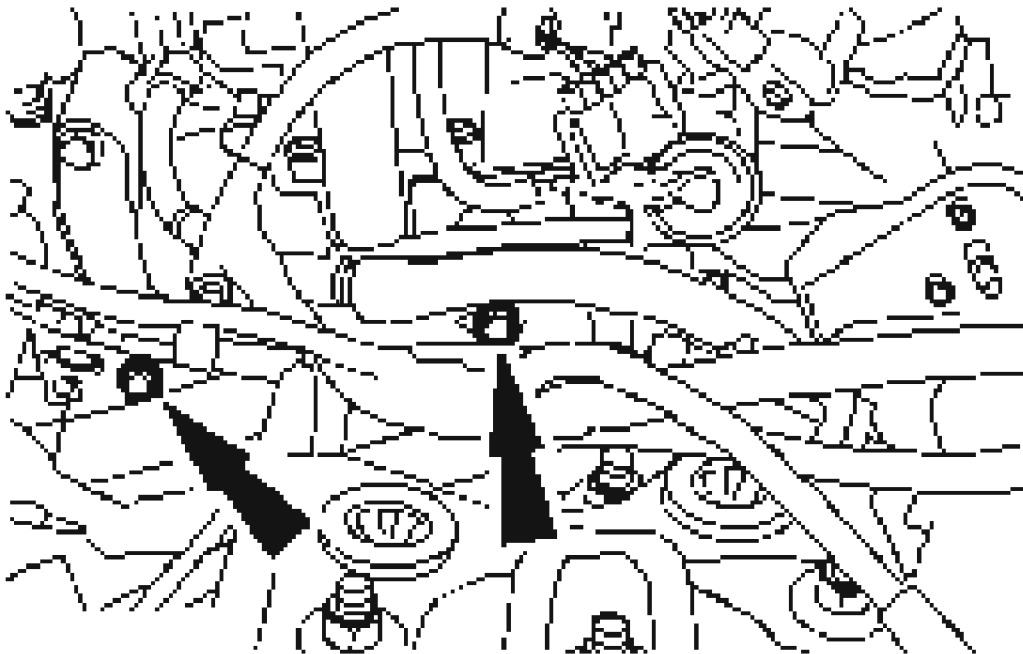
General Equipment

GENERAL EQUIPMENT

Transmission jack
Securing straps

Removal

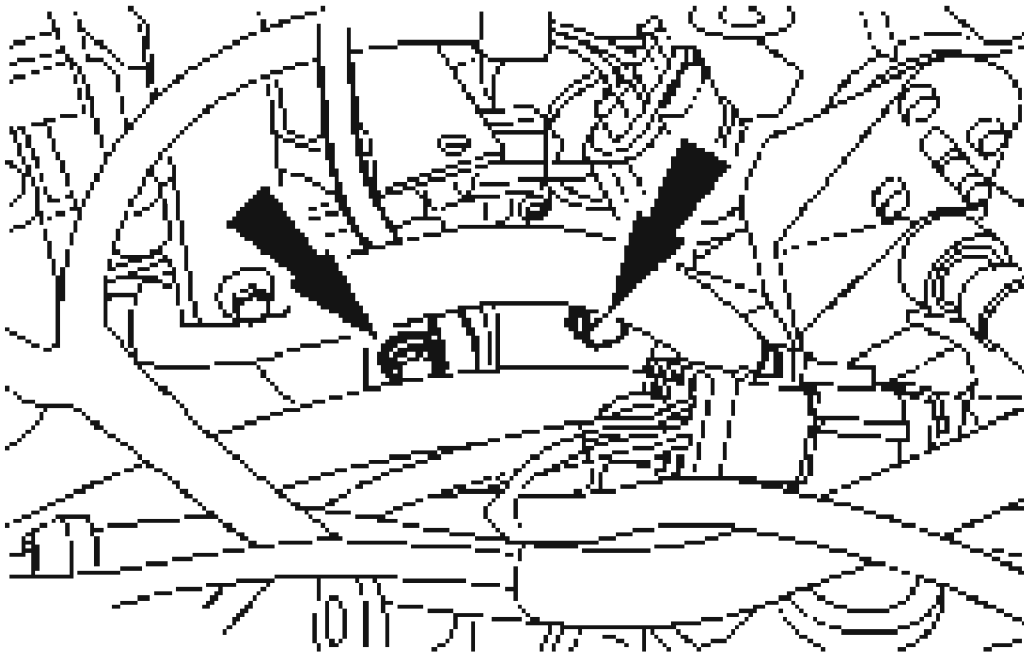
1. Remove the battery tray.
2. Remove the air cleaner.
3. Remove the air cleaner intake pipe.
4. Remove the transaxle upper retaining bolts.



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Fig. 23: Removing Transaxle Upper Retaining Bolts
Courtesy of FORD MOTOR CO.

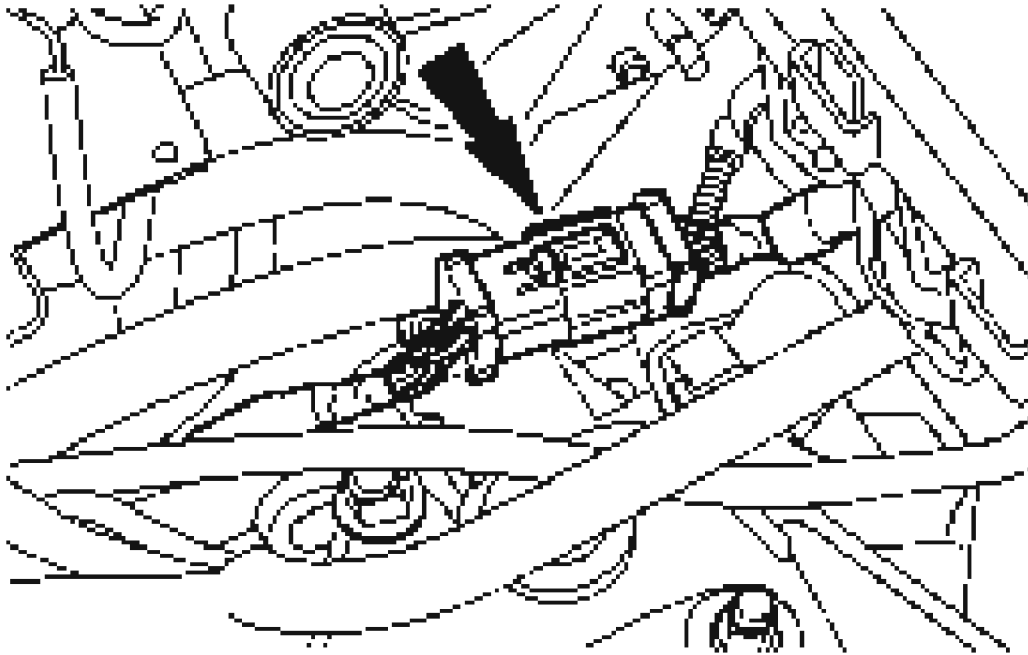
5. Remove the starter motor upper retaining bolts.
 - Detach the ground cable from the transaxle.



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Fig. 24: Detaching Ground Cable From Transaxle
Courtesy of FORD MOTOR CO.

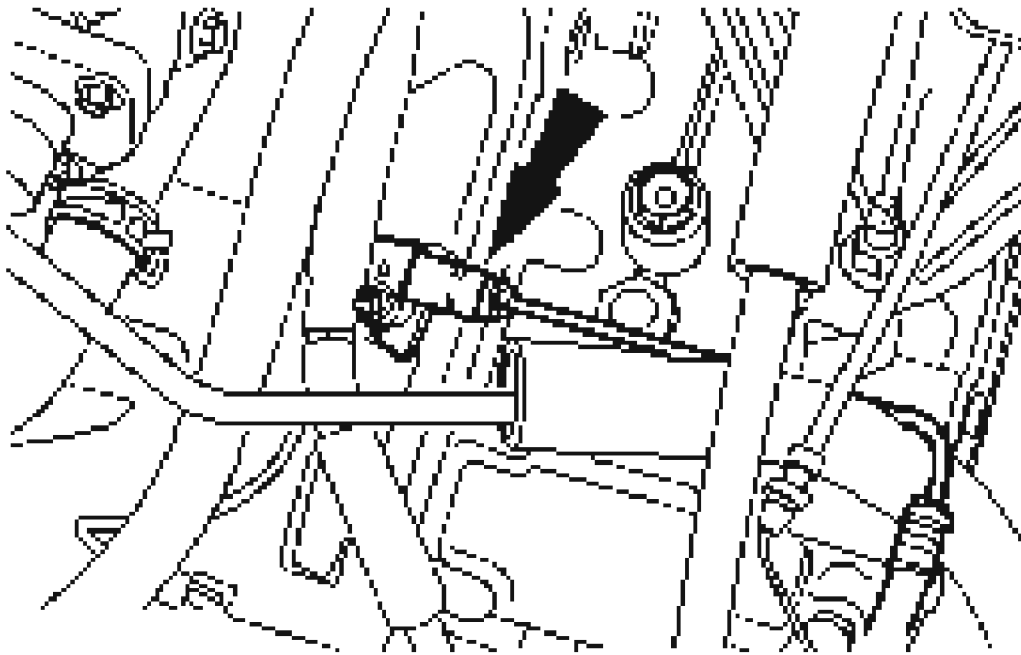
6. Detach the engine wiring harness electrical connector from the transaxle.



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Fig. 25: Detaching Engine Wiring Harness Electrical Connector From Transaxle
Courtesy of FORD MOTOR CO.

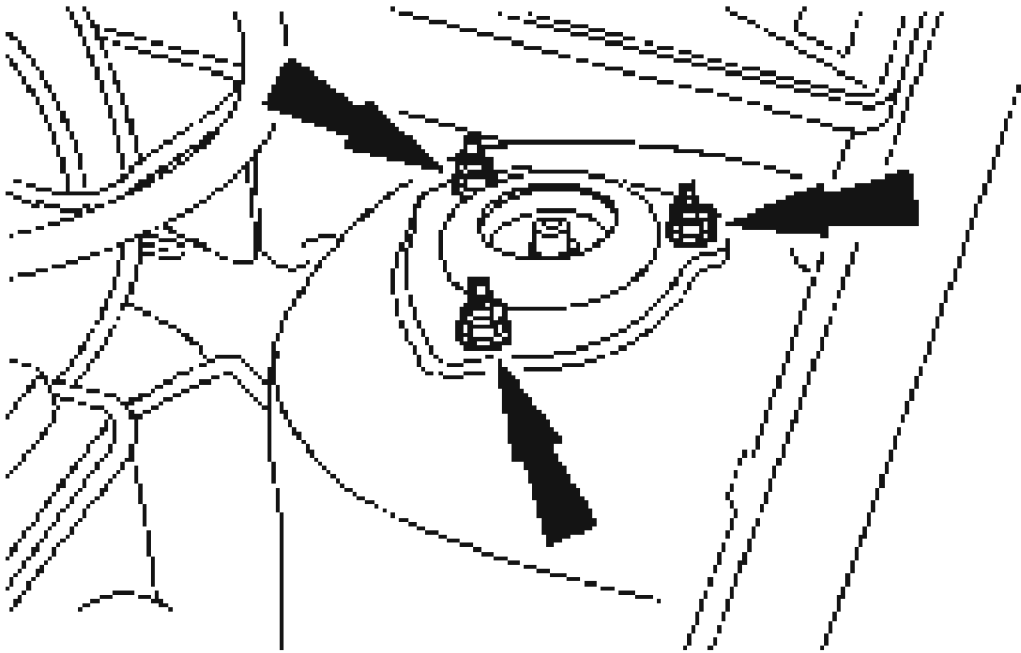
CAUTION: If brake fluid is spilt on the paintwork, the affected area must be immediately washed down with cold water.



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Fig. 26: Removing Spring Clip
Courtesy of FORD MOTOR CO.

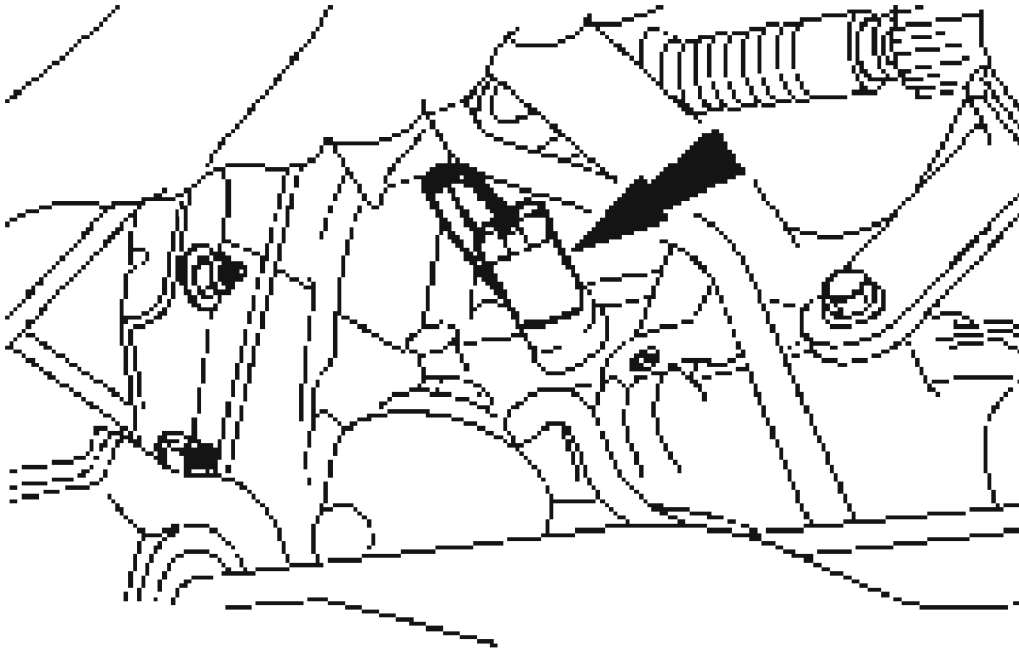
7. Disconnect the clutch slave cylinder supply line from the transaxle.
 - Remove the spring clip.
8. Loosen the strut and spring assembly upper mounting retaining nuts by five turns on both sides.



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Fig. 27: Loosening Strut And Spring Assembly Upper Mounting Retaining Nuts
Courtesy of FORD MOTOR CO.

9. Remove the subframe.
10. Disconnect the reversing lamp switch electrical connector.

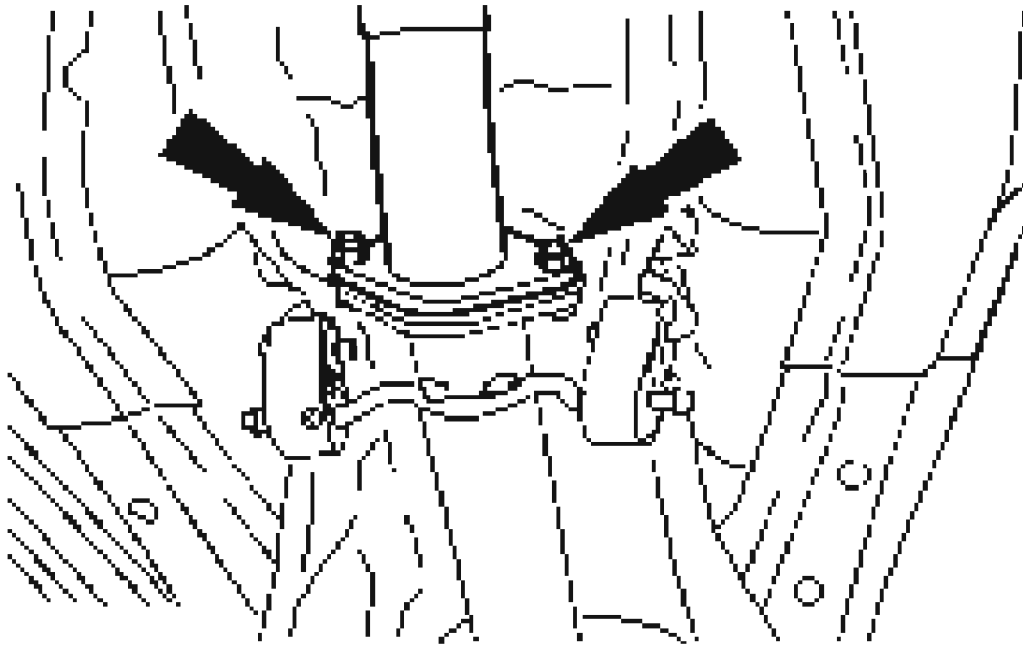


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Fig. 28: Disconnecting Reversing Lamp Switch Electrical Connector
Courtesy of FORD MOTOR CO.

CAUTION: Over bending of the exhaust flexible pipe may cause damage resulting in failure.

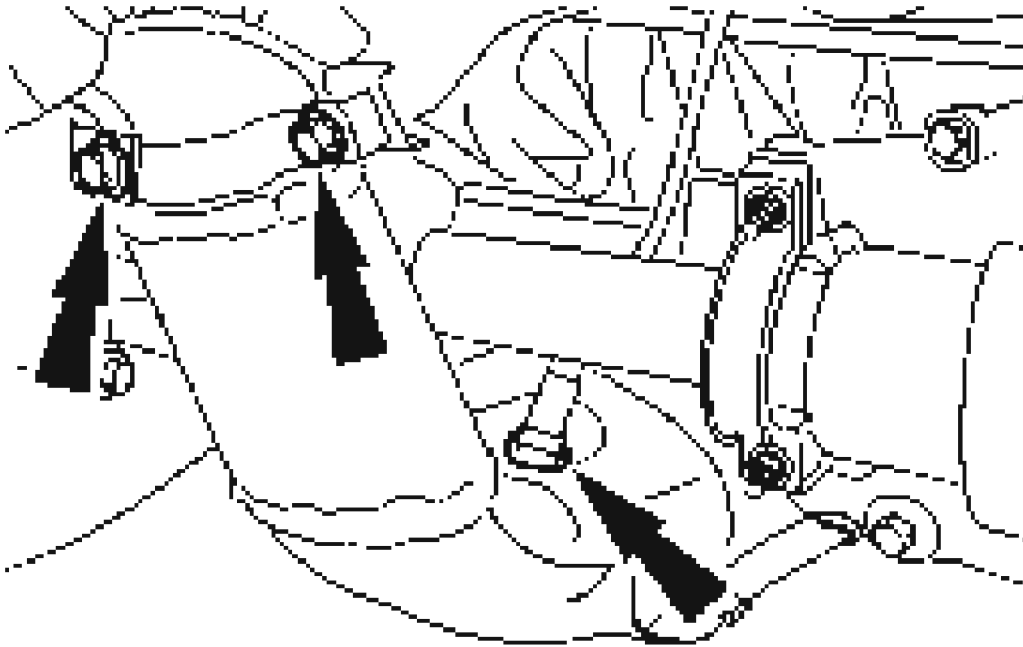
11. Support the catalytic converter with a suitable transmission jack.
12. Detach the exhaust flexible pipe from the tailpipe and muffler assembly.
 - Discard the nuts and gasket.



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Fig. 29: Discarding Nuts And Gasket
Courtesy of FORD MOTOR CO.

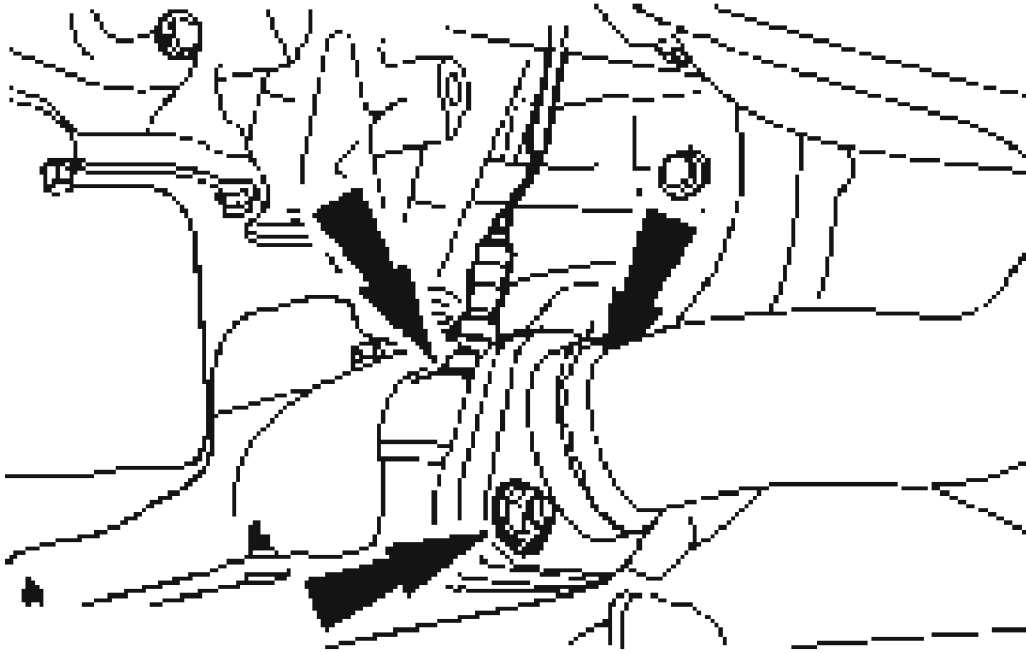
CAUTION: The catalytic converter must be supported while the support bracket is removed.



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Fig. 30: Detaching Catalyst Monitor Sensor
Courtesy of FORD MOTOR CO.

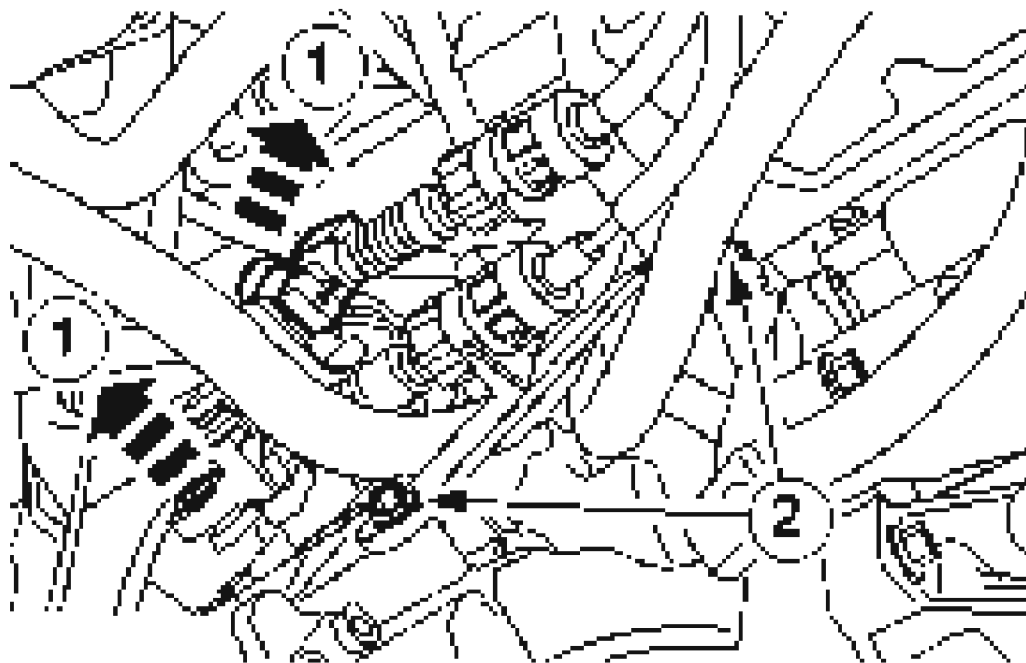
13. Remove the catalytic converter support bracket.
 - Detach the catalyst monitor sensor from the catalytic converter.
14. Detach the catalytic converter from the exhaust manifold.
 - Discard the gasket and nuts.
 - Detach the heated oxygen (HO2S) sensor from the catalytic converter.
 - Remove the catalytic converter.



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Fig. 31: Removing Catalytic Converter
Courtesy of FORD MOTOR CO.

15. Remove the transmission jack.
16. Detach the gearshift cables from the transaxle.
 1. Detach the gearshift cable and the selector cable from the selector levers.
 2. Detach the retaining bracket from the transaxle.



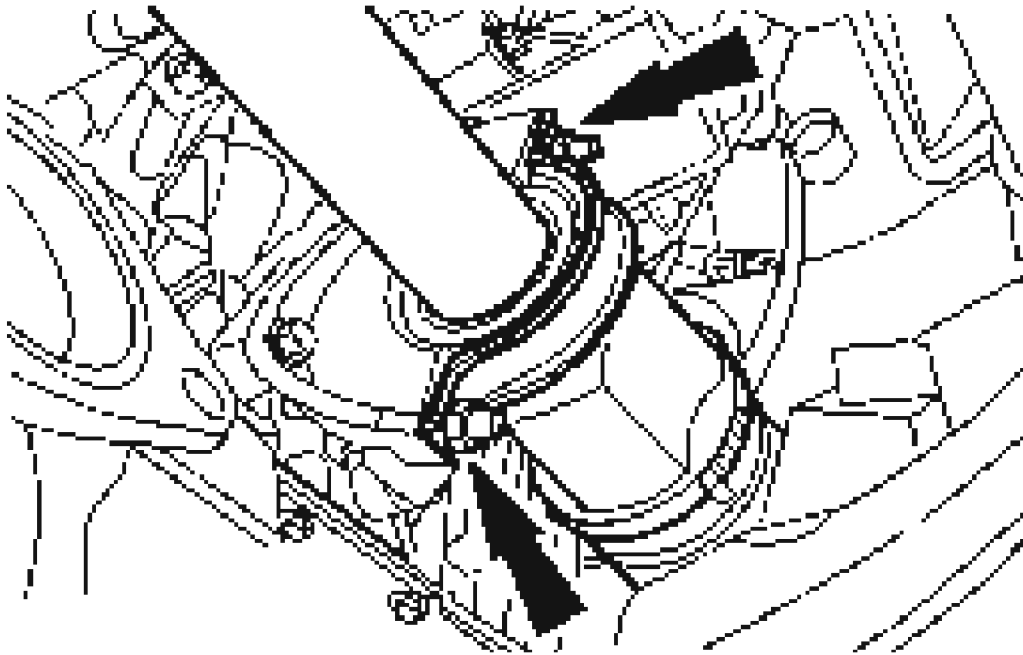
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Fig. 32: Detaching Gearshift Cable
Courtesy of FORD MOTOR CO.

CAUTION: Support the halfshaft. The inner joint must not be bent more than 18 degrees. The outer joint must not be bent more than 45 degrees.

CAUTION: Do not damage the halfshaft oil seal.

NOTE: Plug the transaxle to prevent oil loss or dirt ingress.



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Fig. 33: Discarding Center Bearing Cap And Locknuts
Courtesy of FORD MOTOR CO.

17. Detach the right-hand halfshaft and the intermediate shaft from the transaxle and secure it to one side.
 - Allow the oil to drain into a suitable container.
 - Discard the center bearing cap and locknuts.

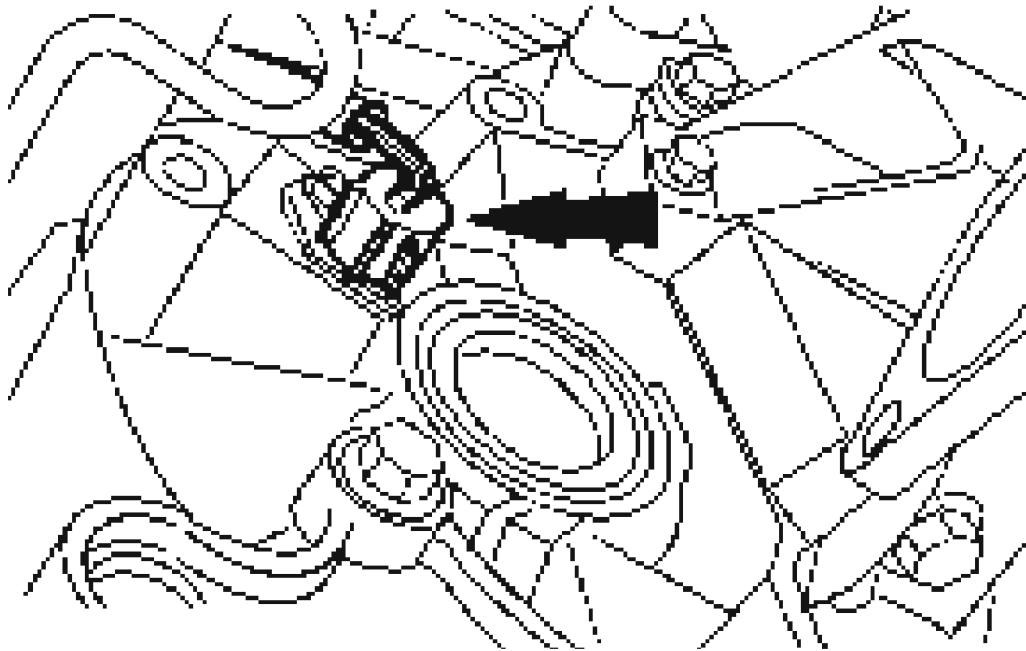
CAUTION: Support the halfshaft. The inner joint must not be bent more than 18 degrees. The outer joint must not be bent more than 45 degrees.

CAUTION: Do not damage the halfshaft oil seal.

NOTE: Plug the transaxle to prevent oil loss or dirt ingress.



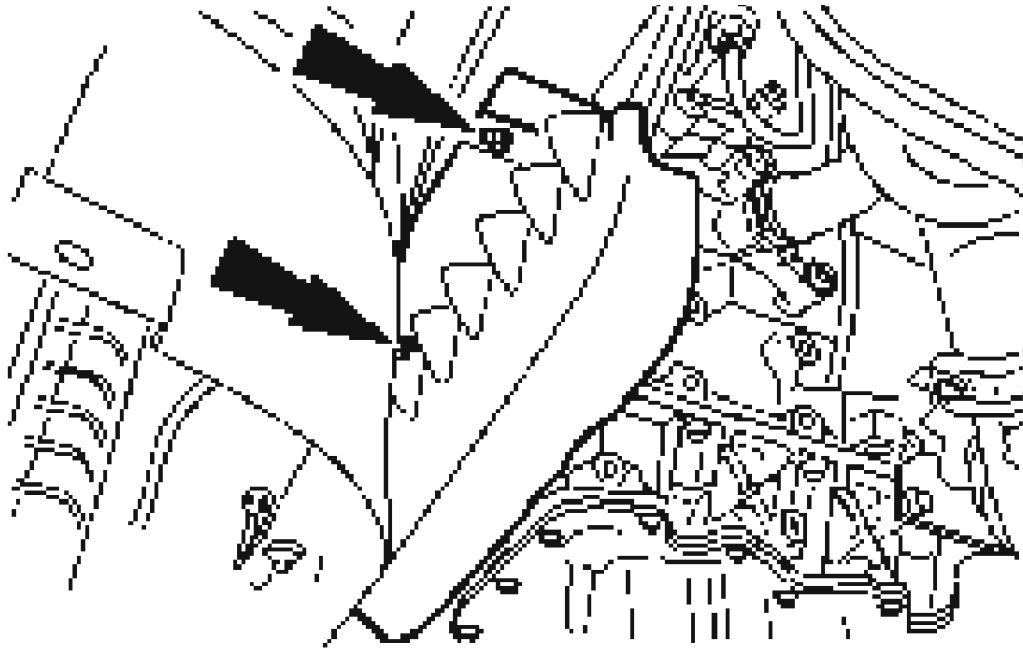
18. Using the special tool, detach the left-hand halfshaft from the transaxle and secure it to one side.
 - Allow the oil to drain into a suitable container.
 - Discard the snap ring.
19. Disconnect the vehicle speed sensor (VSS) electrical connector.



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Fig. 35: Disconnecting Vehicle Speed Sensor Electrical Connector
Courtesy of FORD MOTOR CO.

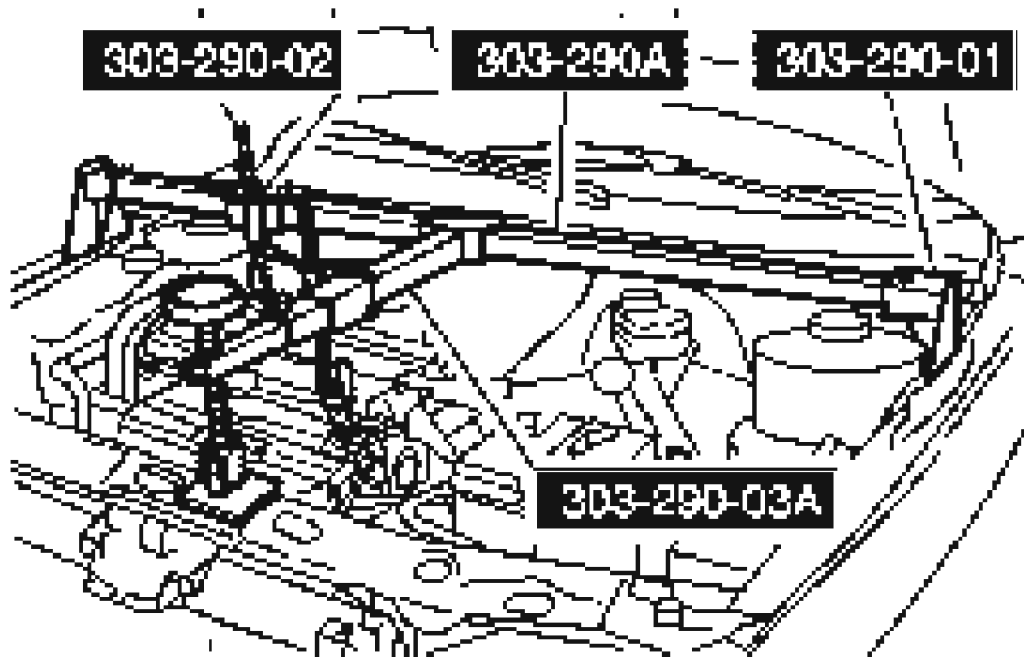
20. Remove the accessory drive belt splash shield.



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Fig. 36: Removing Accessory Drive Belt Splash Shield
Courtesy of FORD MOTOR CO.

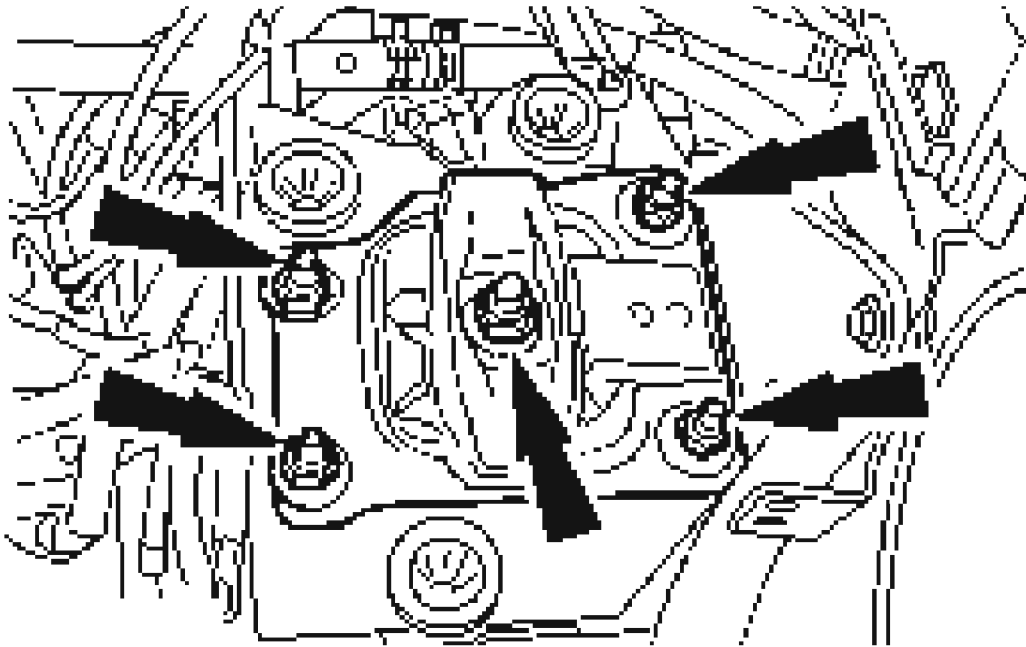
21. Lower the vehicle.
22. Install the special tools.



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Fig. 37: Installing Special Tools
Courtesy of FORD MOTOR CO.

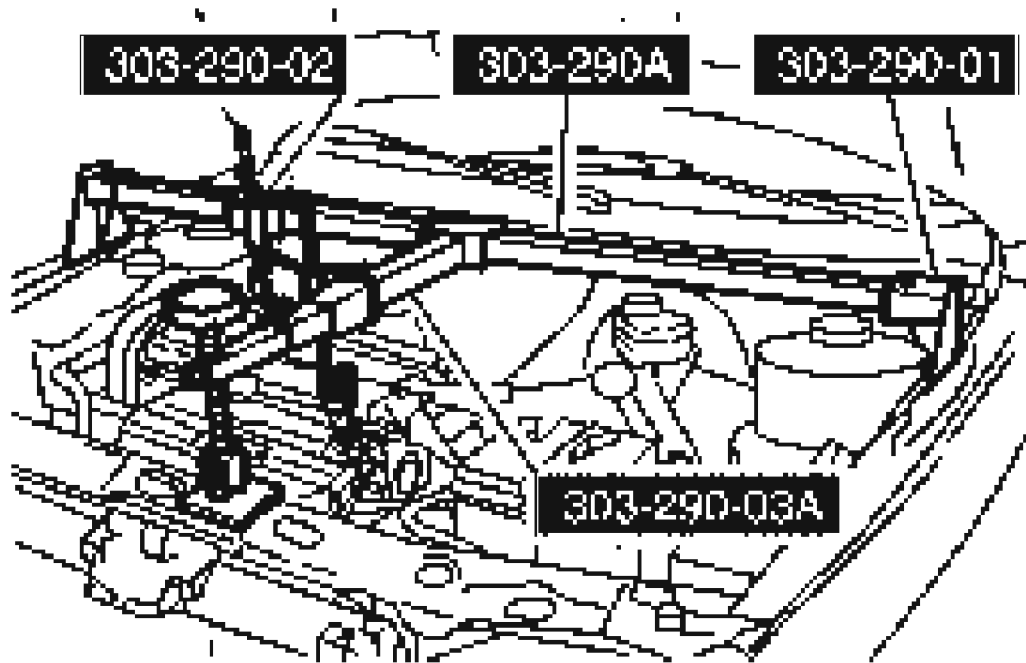
23. Remove the rear engine mount.
 - Discard the rear mount center retaining nut.



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Fig. 38: Removing Rear Engine Mount
Courtesy of FORD MOTOR CO.

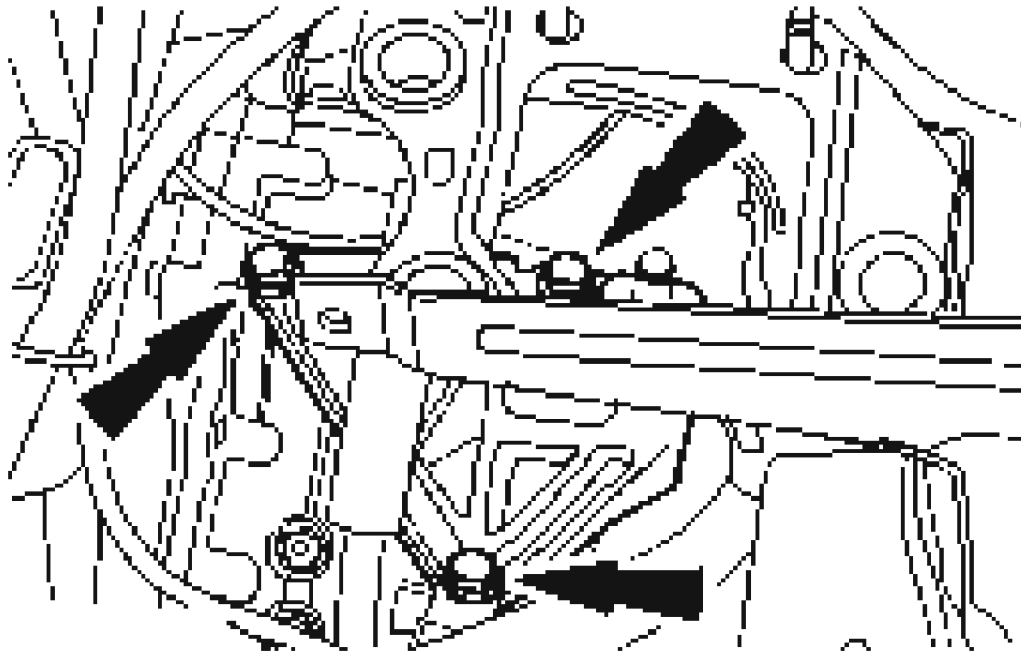
24. Using the special tools, lower the engine and transaxle assembly.



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Fig. 39: Lowering Engine And Transaxle Assembly Using Special Tools
Courtesy of FORD MOTOR CO.

25. Remove the engine rear mount bracket.

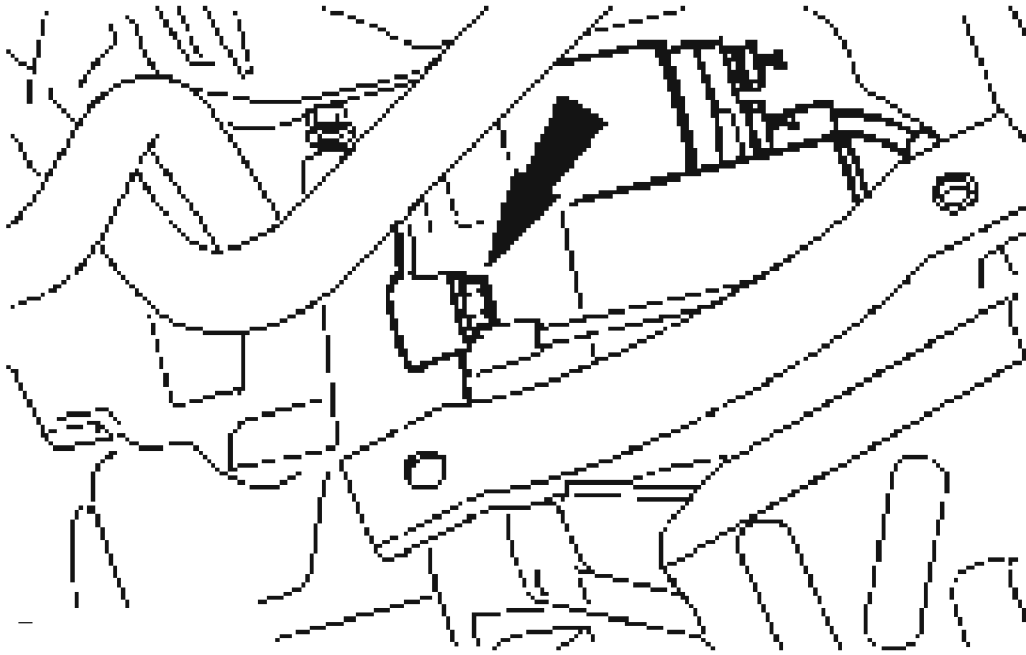


G03854960

Fig. 40: Removing Engine Rear Mount Bracket
Courtesy of FORD MOTOR CO.

26. Raise and support the vehicle.

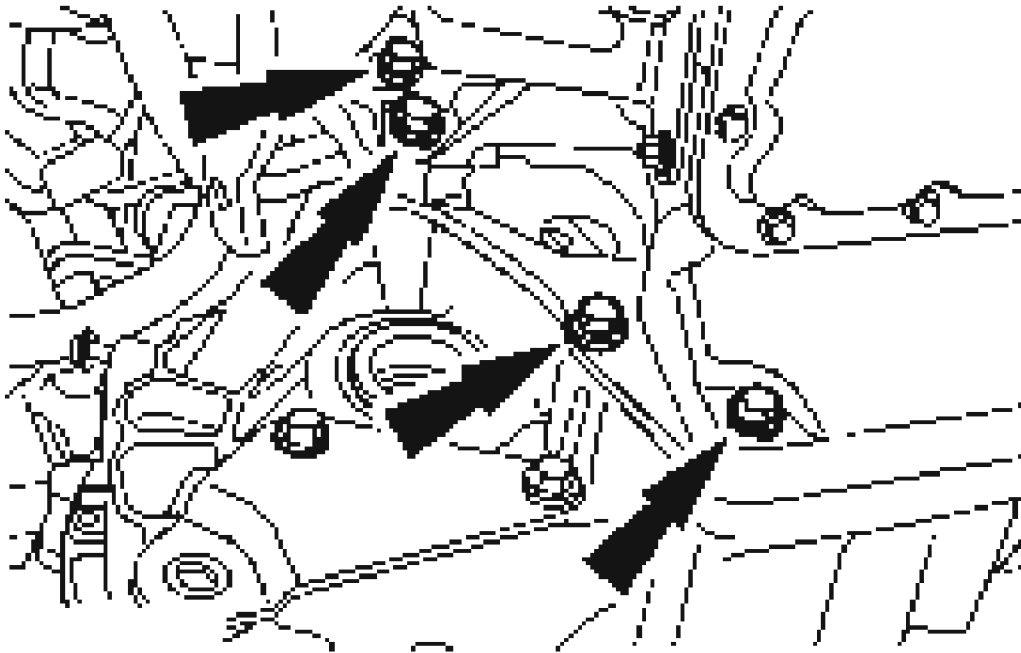
NOTE: Do not disconnect the starter motor electrical connectors.



G03854961

Fig. 41: Detaching Starter Motor From Transaxle
Courtesy of FORD MOTOR CO.

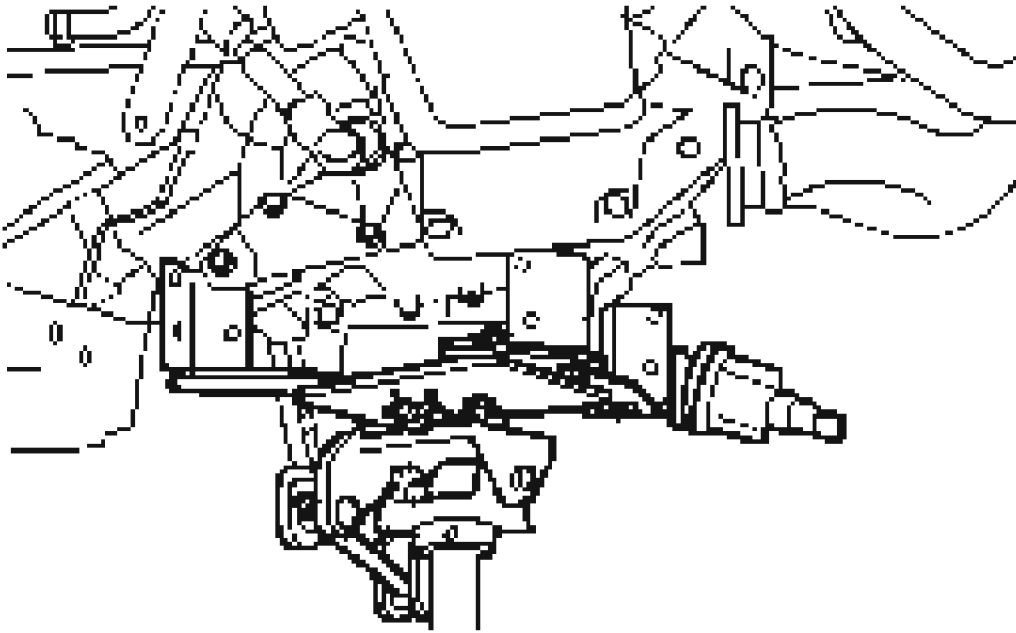
27. Detach the starter motor from the transaxle and secure it to one side.
28. Remove the transaxle right-hand retaining bolts.



G03854962

Fig. 42: Removing Transaxle Right-Hand Retaining Bolts
Courtesy of FORD MOTOR CO.

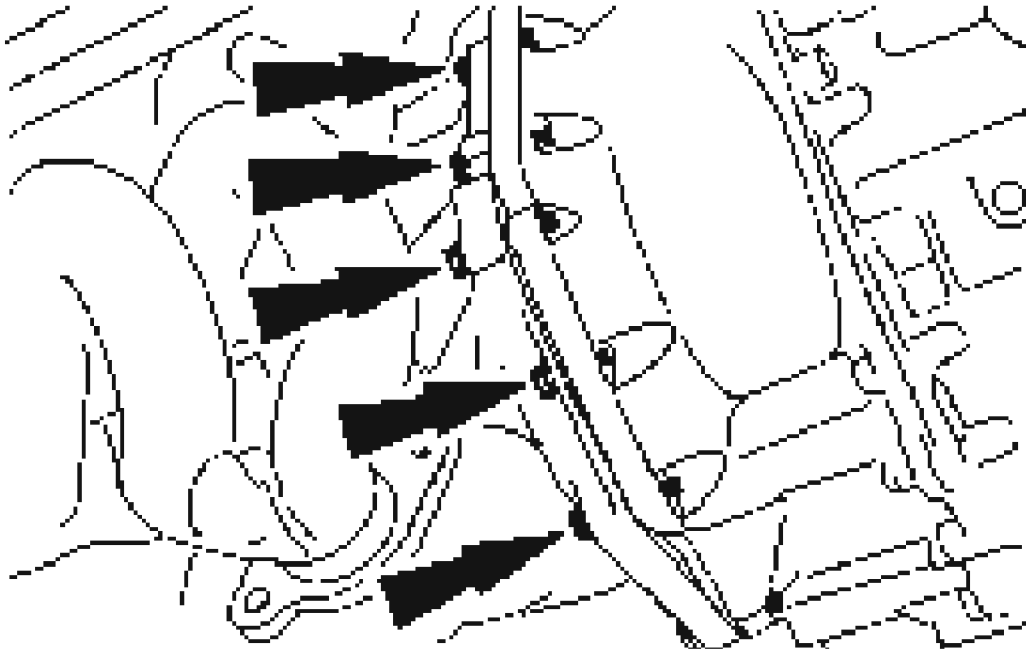
29. Using suitable securing straps, secure the transaxle on a transmission jack.



G03854963

Fig. 43: Securing Transaxle On Transmission Jack
Courtesy of FORD MOTOR CO.

30. Remove the transaxle left-hand retaining bolts.



G03854964

Fig. 44: Removing Transaxle Left-Hand Retaining Bolts
Courtesy of FORD MOTOR CO.

31. Remove the transaxle.

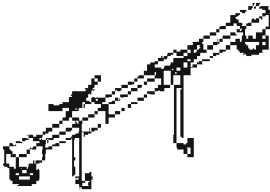
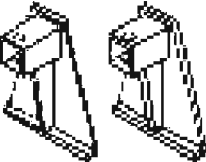
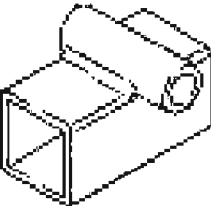
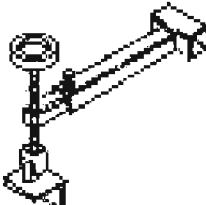
INSTALLATION

TRANSAXLE

Special Tool(s)

2002 Ford Focus LX

2002 TRANSMISSION Manual Transmission/Transaxle - Vehicles With MT285/Manual Transaxle - Focus

	Support Bar, Engine 303-290A
	Adapter for 303-290A 303-290-01
	Adapter for 303-290A 303-290-02
	Adapter for 303-290A 303-290-03A

G03854965

Fig. 45: Identifying Transaxle Special Tool
Courtesy of FORD MOTOR CO.

General Equipment

GENERAL EQUIPMENT

Transmission jack

Retaining straps

Material

MATERIAL SPECIFICATION

Anti-seize grease

SAM-1C9107-A

Installation

1. Using a suitable transmission jack, install the transaxle.

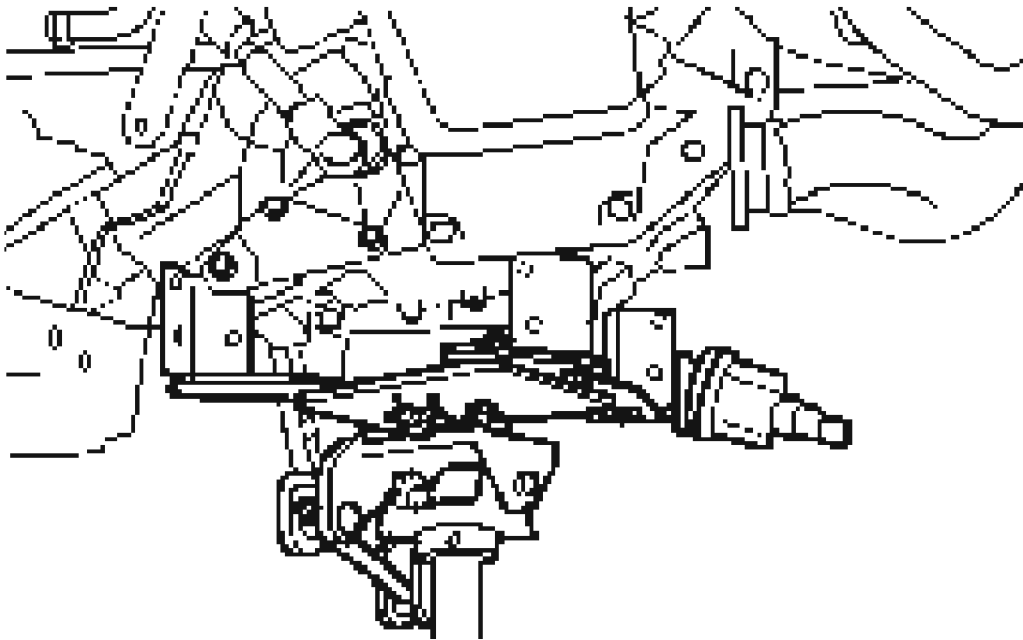
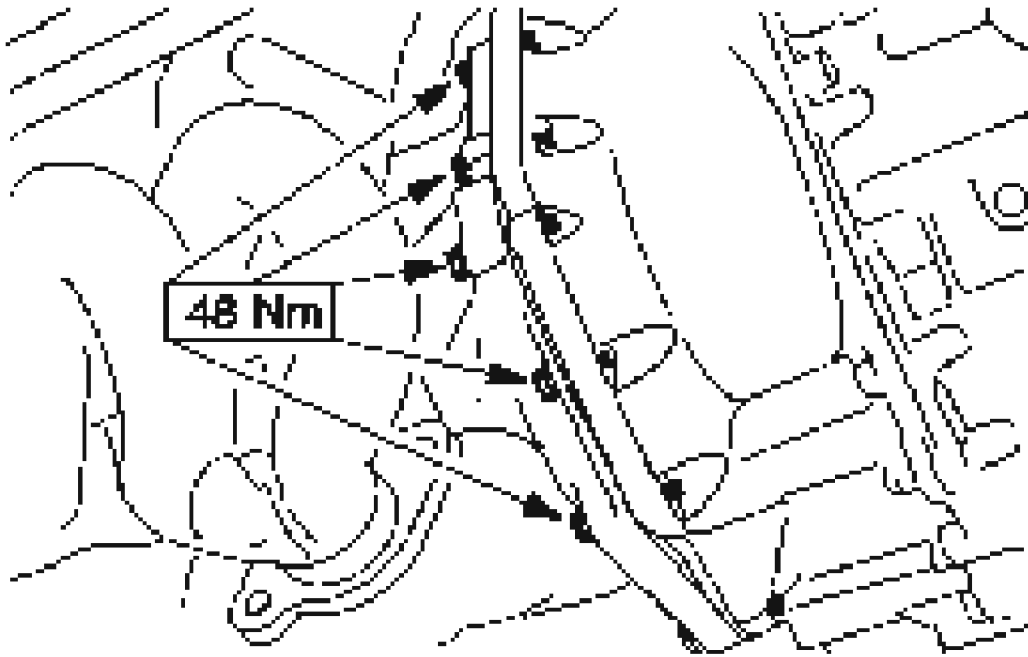
**G03854966**

Fig. 46: Installing Transaxle Using Suitable Transmission Jack
Courtesy of FORD MOTOR CO.

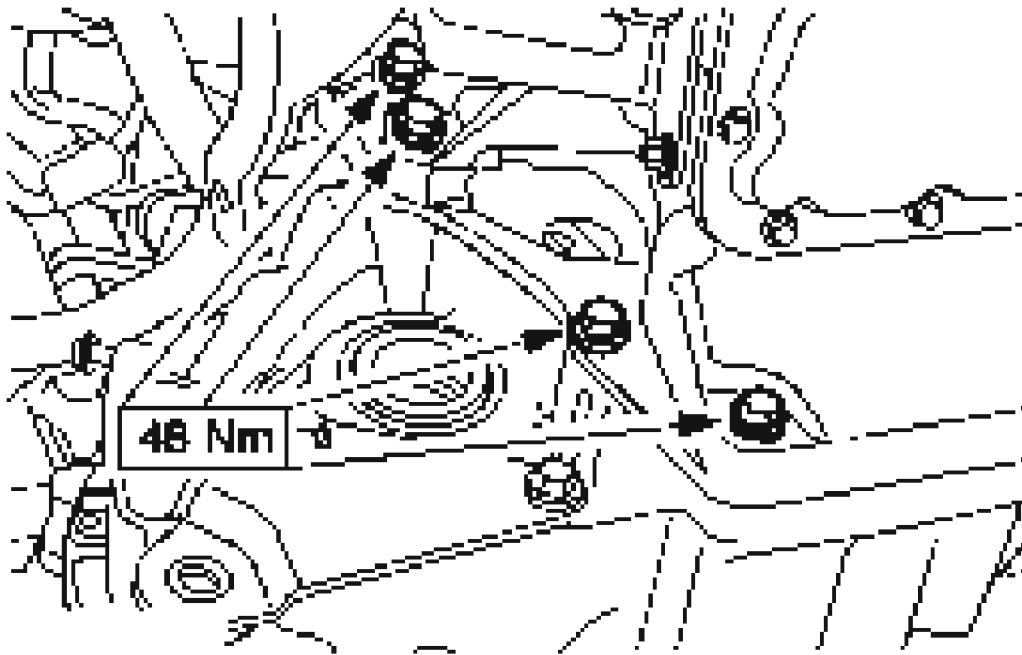
2. Install the transaxle left-hand retaining bolts.



G03854967

Fig. 47: Installing Transaxle Left-Hand Retaining Bolts
Courtesy of FORD MOTOR CO.

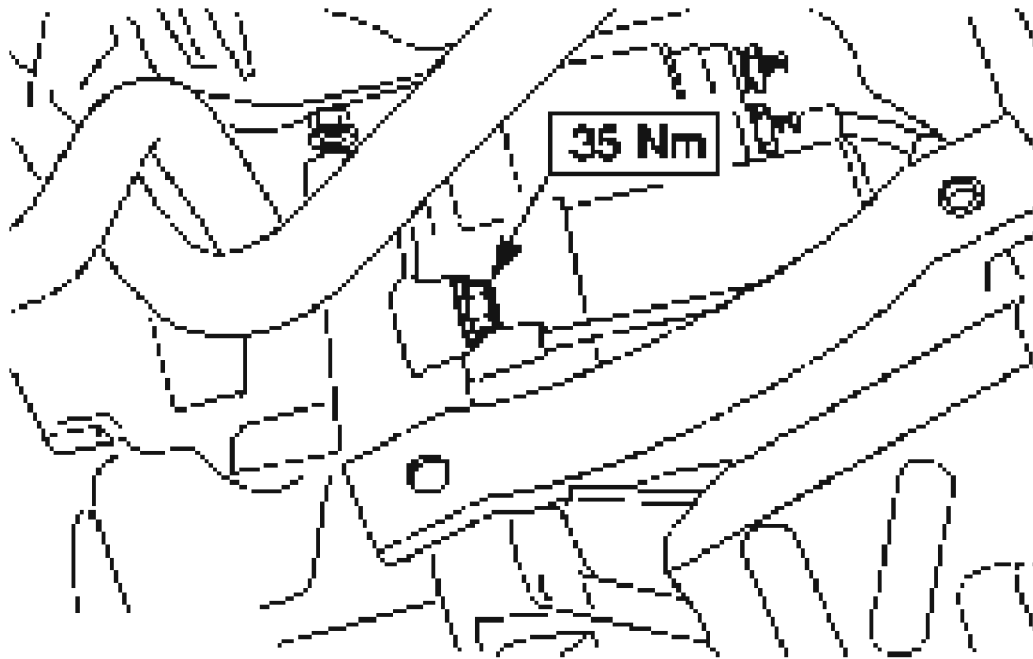
3. Remove the transmission jack.
 - Remove the retaining straps from the transaxle.
4. Install the transaxle right-hand retaining bolts.



G03854968

Fig. 48: Installing Transaxle Right-Hand Retaining Bolts
Courtesy of FORD MOTOR CO.

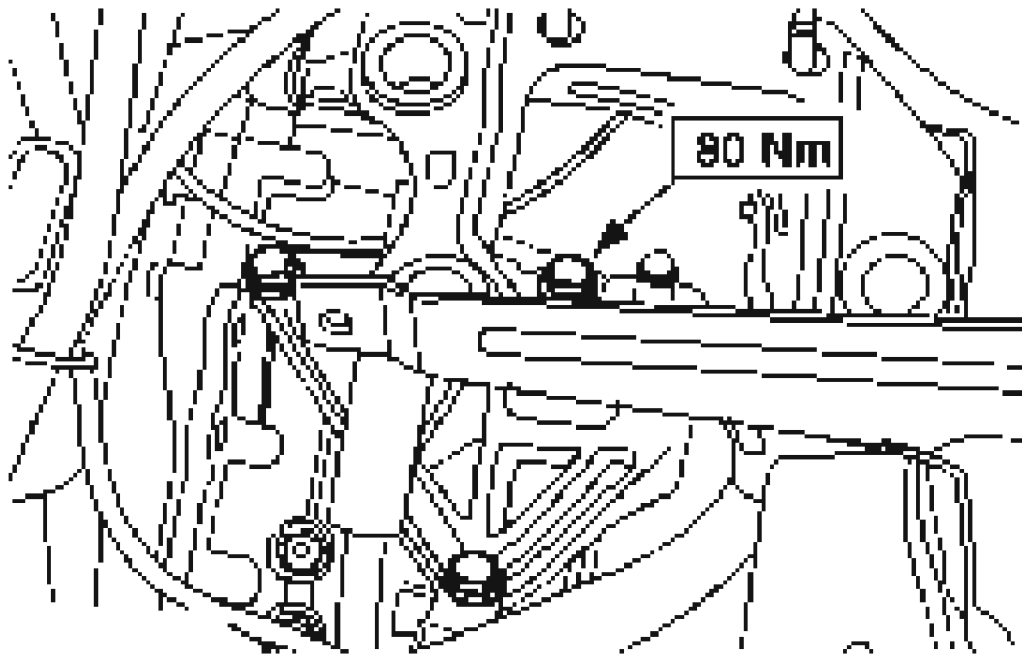
5. Attach the starter motor to the transaxle.



G03854969

Fig. 49: Attaching Starter Motor To Transaxle
Courtesy of FORD MOTOR CO.

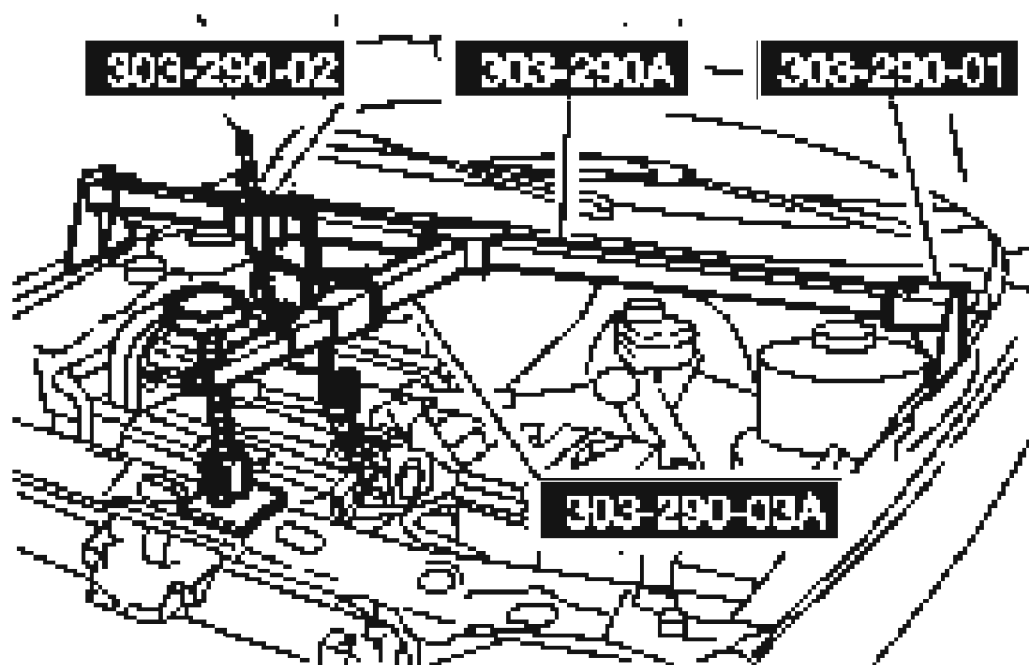
6. Lower the vehicle.
7. Install the engine rear mount bracket.



G03854970

Fig. 50: Installing Engine Rear Mount Bracket
Courtesy of FORD MOTOR CO.

8. Using the special tools, raise the engine and transaxle assembly.

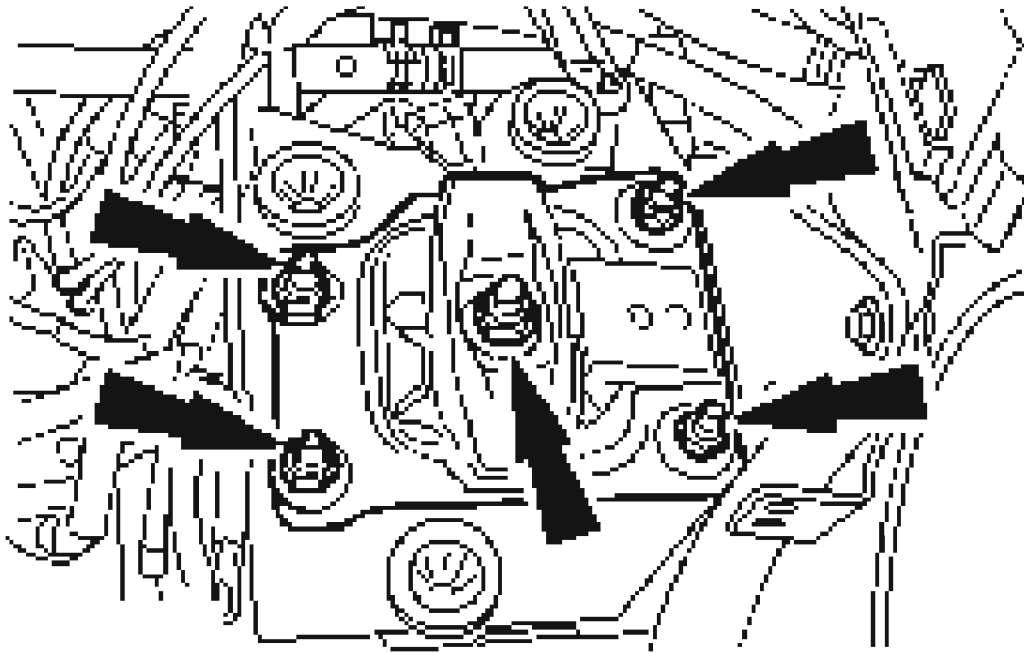


G03854971

Fig. 51: Raising Engine And Transaxle Assembly Using Special Tools
Courtesy of FORD MOTOR CO.

NOTE: Install a new engine rear mount center retaining nut.

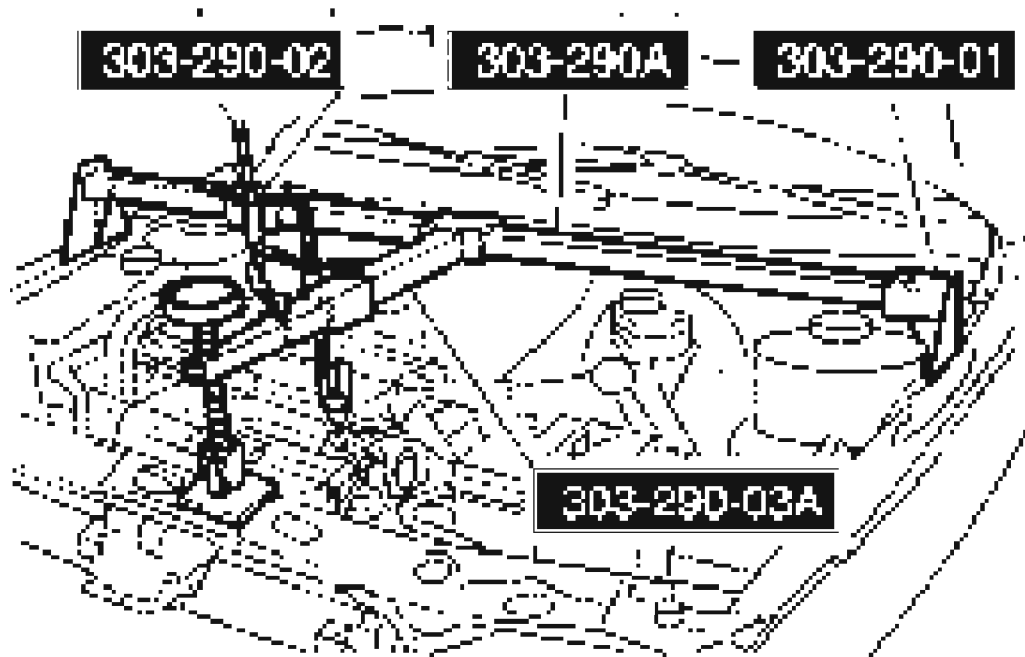
NOTE: Do not tighten the engine rear mount retaining nut at this stage.



G03854972

Fig. 52: Installing Rear Engine Mount
Courtesy of FORD MOTOR CO.

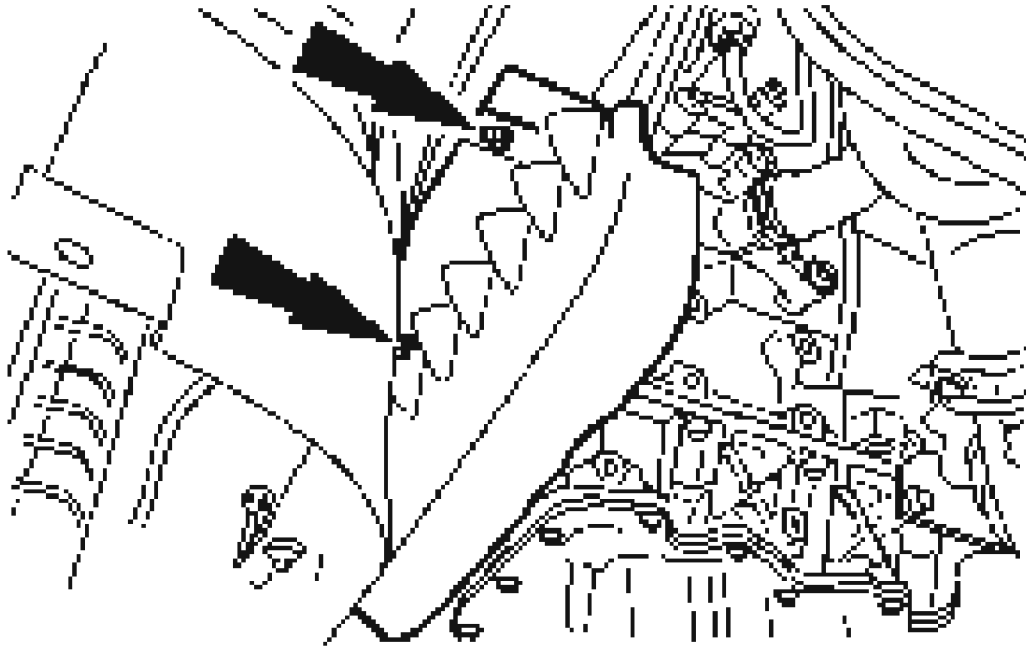
9. Install the rear engine mount.
10. Remove the special tools.



G03854973

Fig. 53: Removing Special Tools
Courtesy of FORD MOTOR CO.

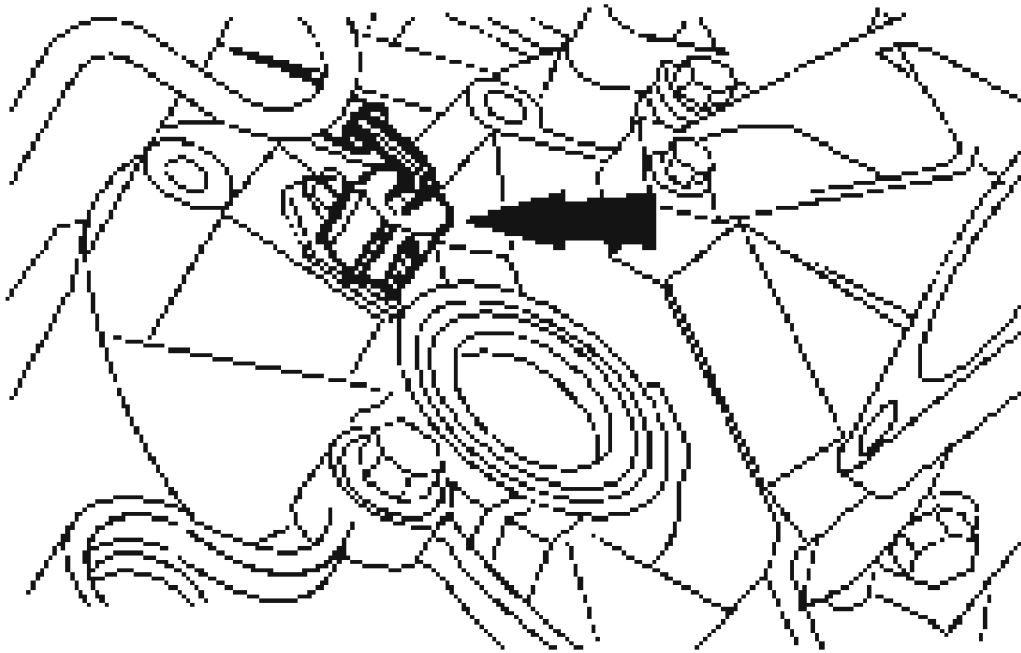
11. Raise and support the vehicle.
12. Install the accessory drive belt cover.



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Fig. 54: Installing Accessory Drive Belt Cover
Courtesy of FORD MOTOR CO.

13. Connect the vehicle speed sensor (VSS) electrical connector.



G03854975

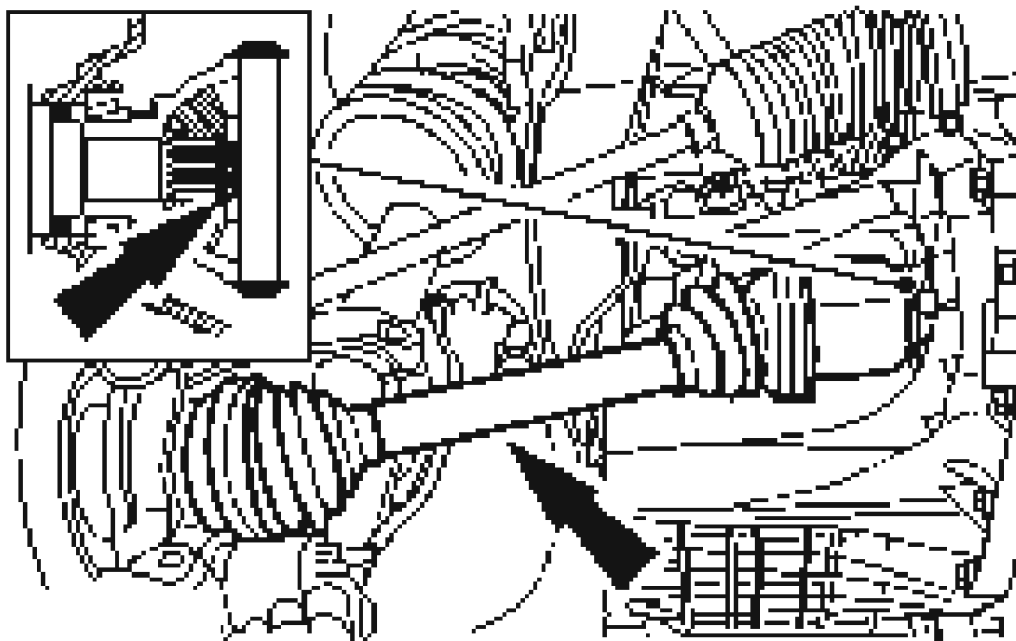
Fig. 55: Locating Vehicle Speed Sensor (VSS) Electrical Connector
Courtesy of FORD MOTOR CO.

CAUTION: Support the halfshaft. The inner joint must not be bent more than 18 degrees. The outer joint must not be bent more than 45 degrees.

CAUTION: Do not damage the halfshaft oil seal.

CAUTION: Make sure the snap ring is correctly seated.

NOTE: Install a new snap ring.



G03854976

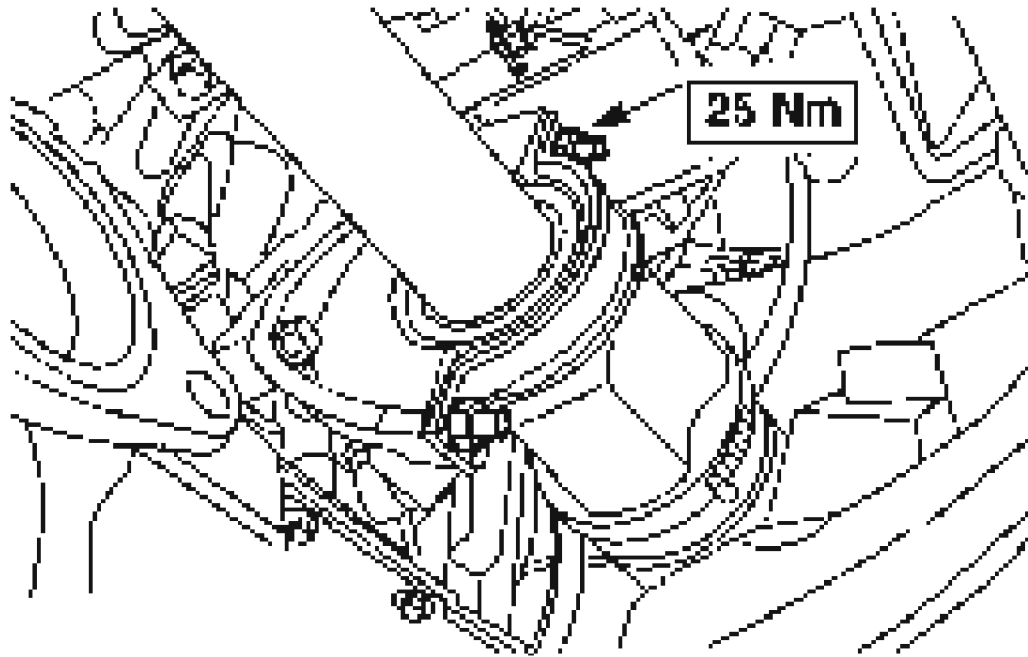
Fig. 56: Attaching Left-Hand Halfshaft To Transaxle
Courtesy of FORD MOTOR CO.

14. Attach the left-hand halfshaft to the transaxle.

CAUTION: Support the halfshaft. The inner joint must not be bent more than 18 degrees. The outer joint must not be bent more than 45 degrees.

CAUTION: Do not damage the halfshaft oil seal.

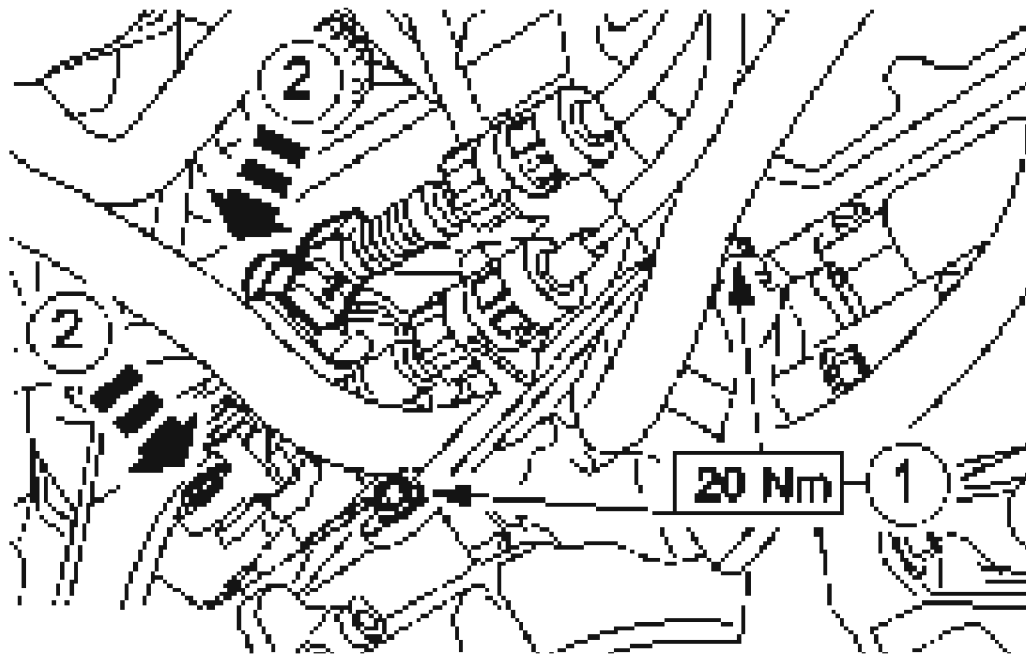
NOTE: Install a new halfshaft center bearing cap and locknuts.



G03854977

Fig. 57: Installing Center Bearing Cap
Courtesy of FORD MOTOR CO.

15. Attach the right-hand halfshaft and the intermediate shaft to the transaxle.
 - Install the center bearing cap.
16. Attach the gearshift cables to the transaxle.
 1. Attach the retaining bracket to the transaxle.
 2. Attach the gearshift cable and the selector cable to the selector levers.



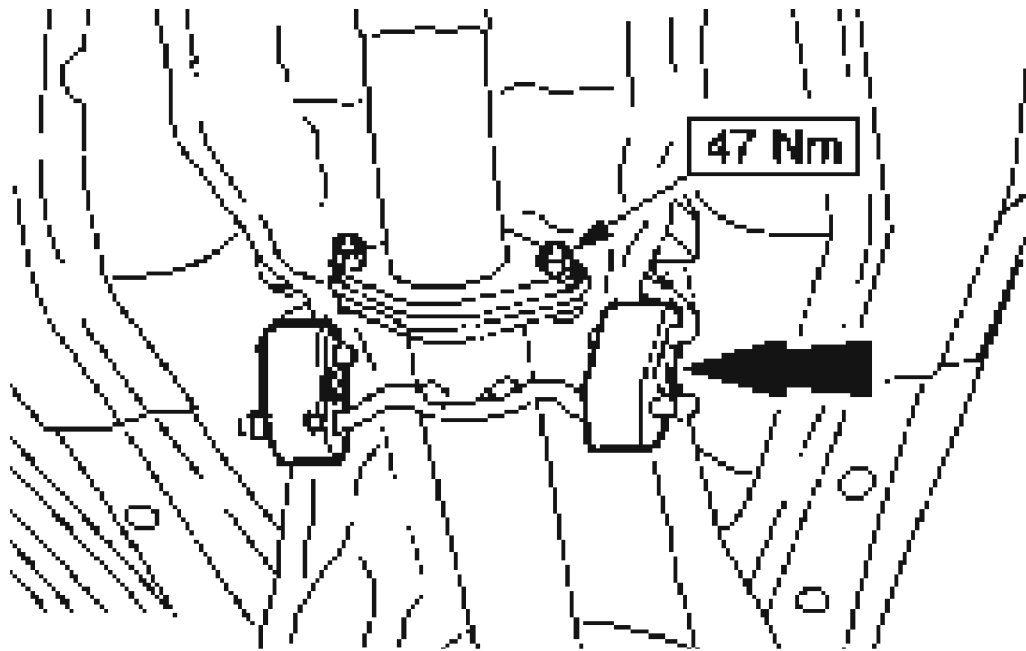
G03854978

Fig. 58: Attaching Gearshift Cables To Transaxle
Courtesy of FORD MOTOR CO.

17. Coat the exhaust flexible pipe studs with Anti-seize grease.

NOTE: Install a new gasket and new nuts.

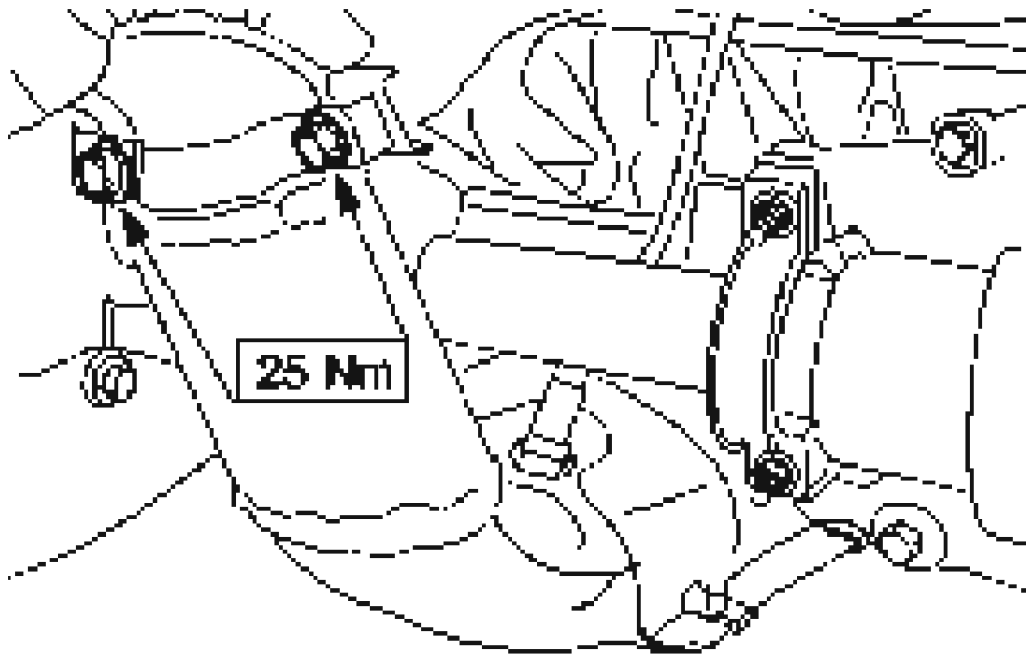
NOTE: Support the catalytic converter with a suitable transmission jack.



G03854979

Fig. 59: Attaching Heated Oxygen (HO2S) Sensor
Courtesy of FORD MOTOR CO.

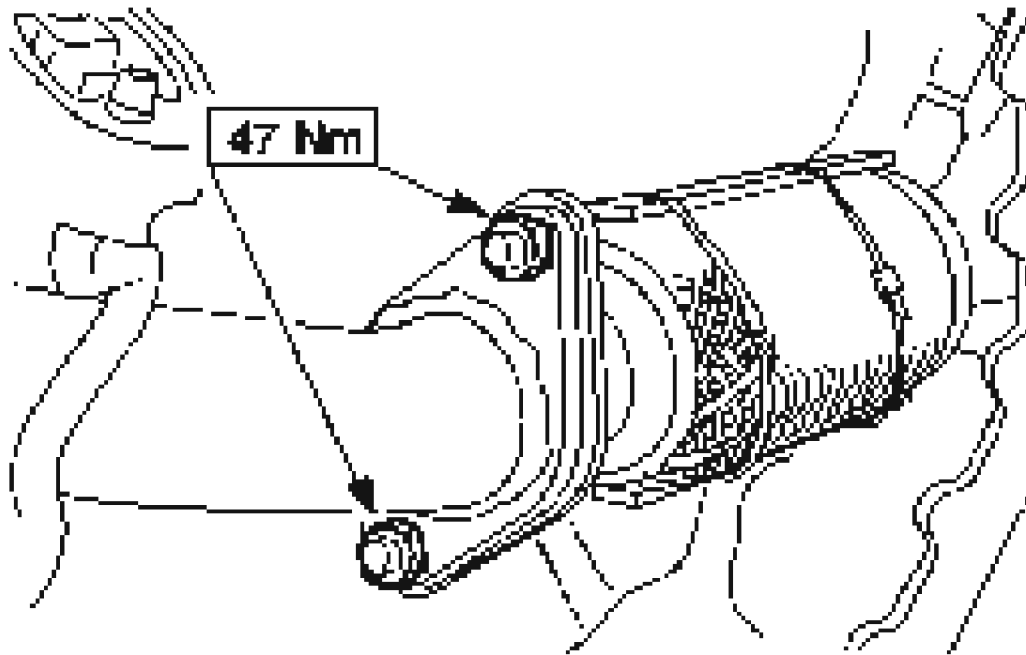
18. Attach the catalytic converter to the exhaust manifold.
 - Attach the heated oxygen (HO2S) sensor to the catalytic converter.
19. Install the catalytic converter bracket.
 - Attach the catalyst monitor sensor to the catalytic converter.



G03854980

Fig. 60: Installing Catalytic Converter Bracket
Courtesy of FORD MOTOR CO.

NOTE: Install a new gasket and new nuts.

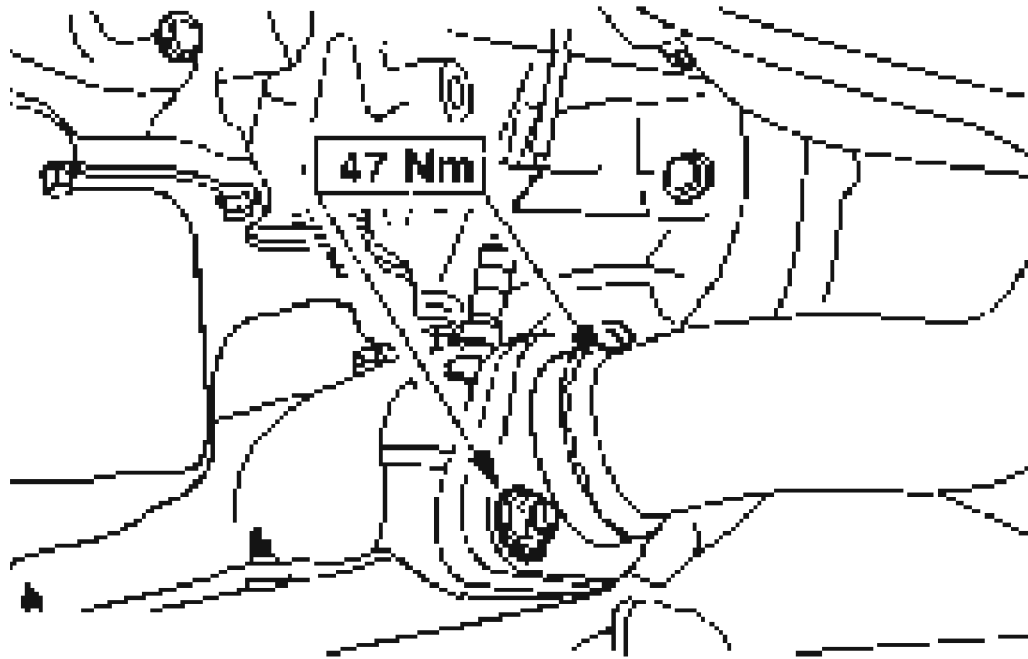


G03854981

Fig. 61: Installing Gasket
Courtesy of FORD MOTOR CO.

20. Attach the exhaust flexible pipe to the tailpipe and muffler assembly.

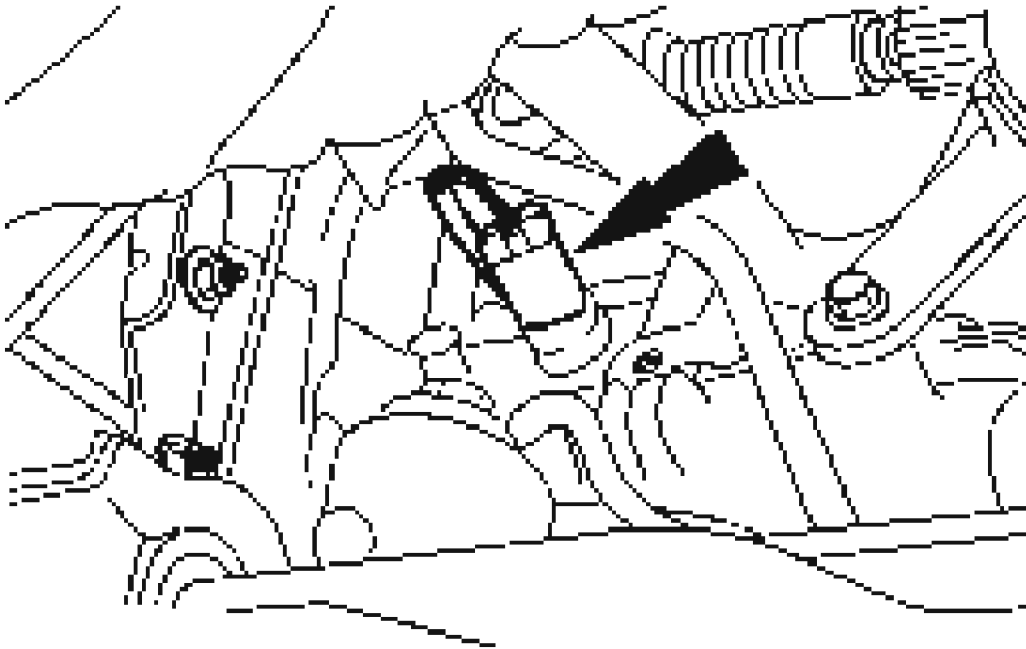
CAUTION: Do not excessively bend or twist the exhaust flexible pipe. Failure to follow this instructions may cause damage to the exhaust flexible pipe.



G03854982

Fig. 62: Exhaust Pipe Nut Tightening Torque
Courtesy of FORD MOTOR CO.

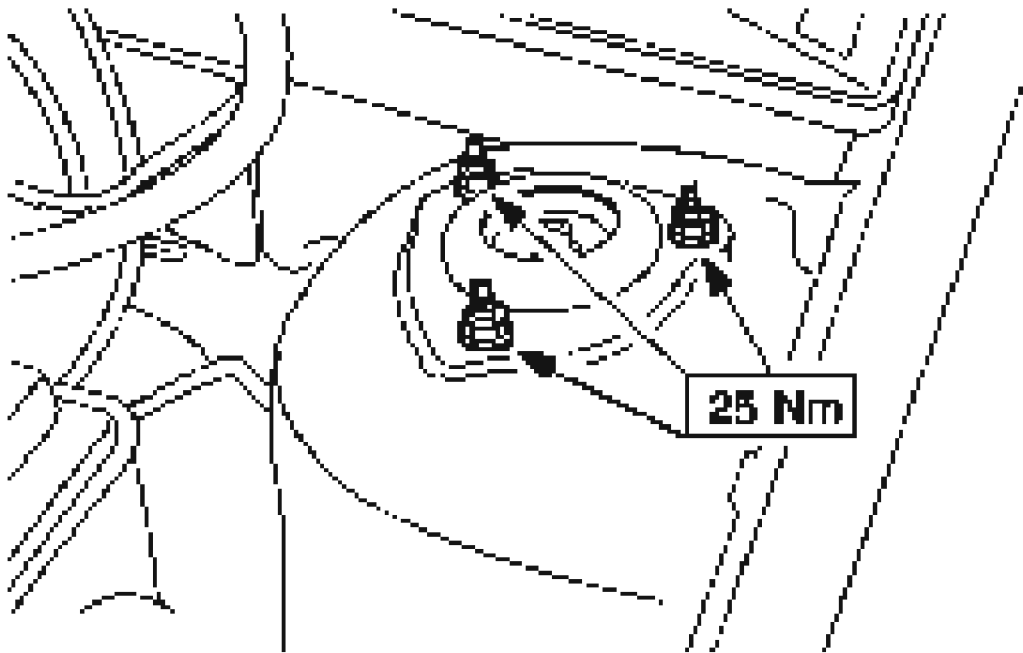
21. Remove the transmission jack.
22. Connect the reversing light switch electrical connector.



G03854983

Fig. 63: Connecting Reversing Light Switch Electrical Connector
Courtesy of FORD MOTOR CO.

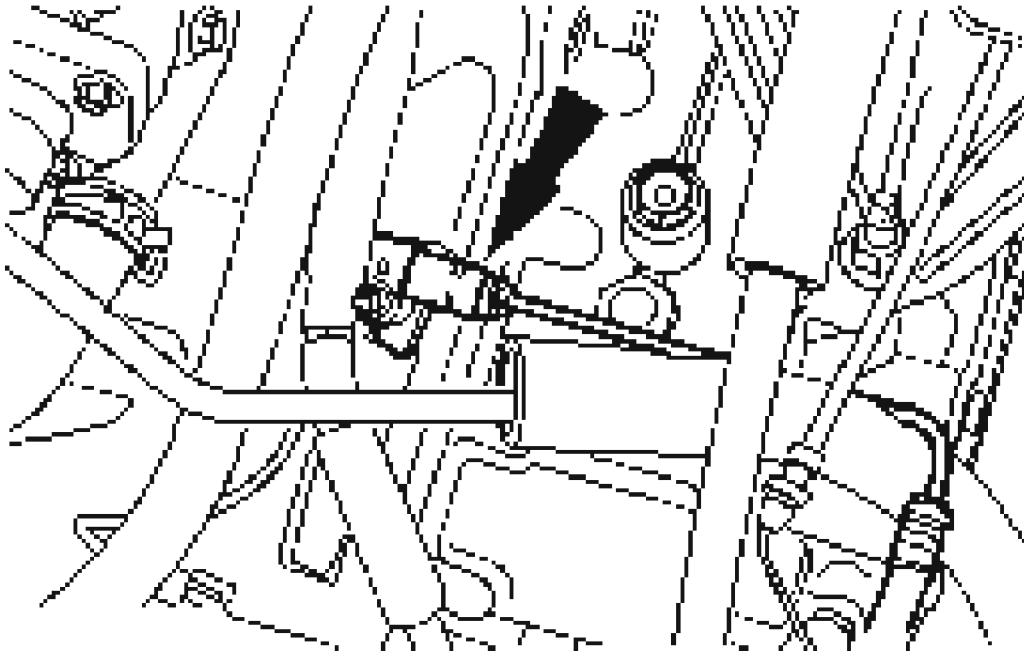
23. Install the crossmember.
24. Tighten the strut and spring assembly upper mounting retaining nuts on both sides.



G03854984

Fig. 64: Tightening Strut And Spring Assembly Upper Mounting Retaining Nuts
Courtesy of FORD MOTOR CO.

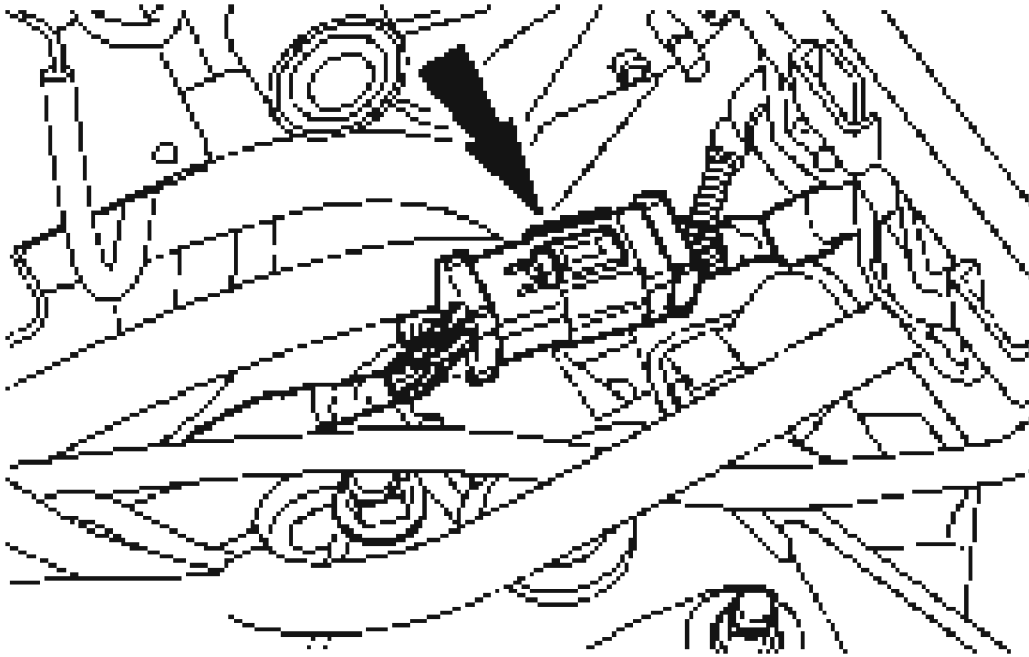
25. Connect the clutch slave cylinder supply line to the transaxle.
 - Install the clip.



G03854985

Fig. 65: Installing Clip
Courtesy of FORD MOTOR CO.

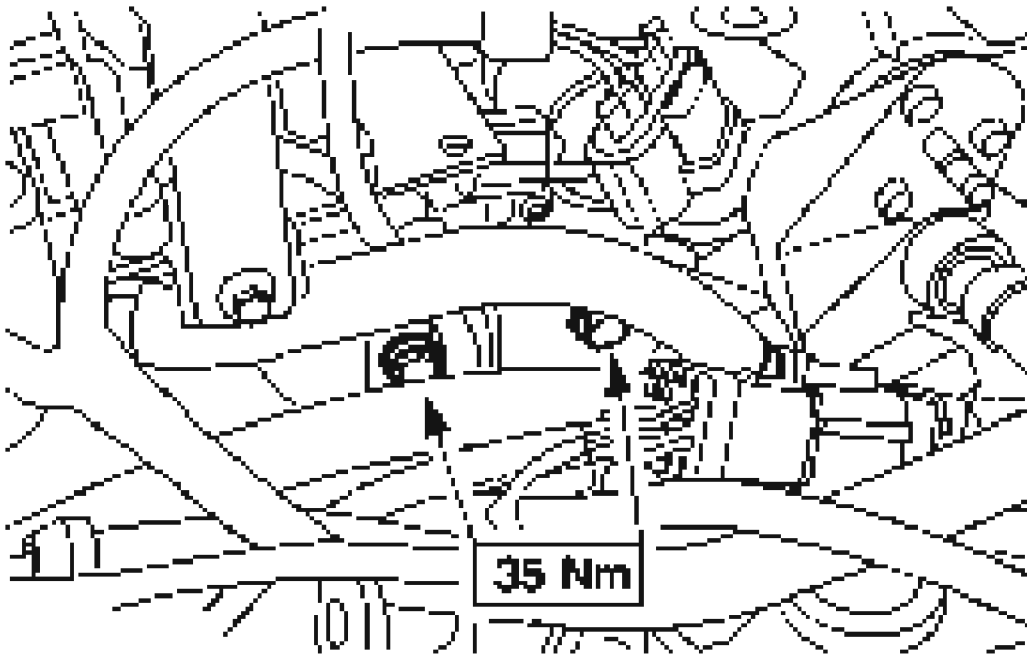
26. Attach the electrical connector to the transaxle.



G03854986

Fig. 66: Attaching Electrical Connector To Transaxle
Courtesy of FORD MOTOR CO.

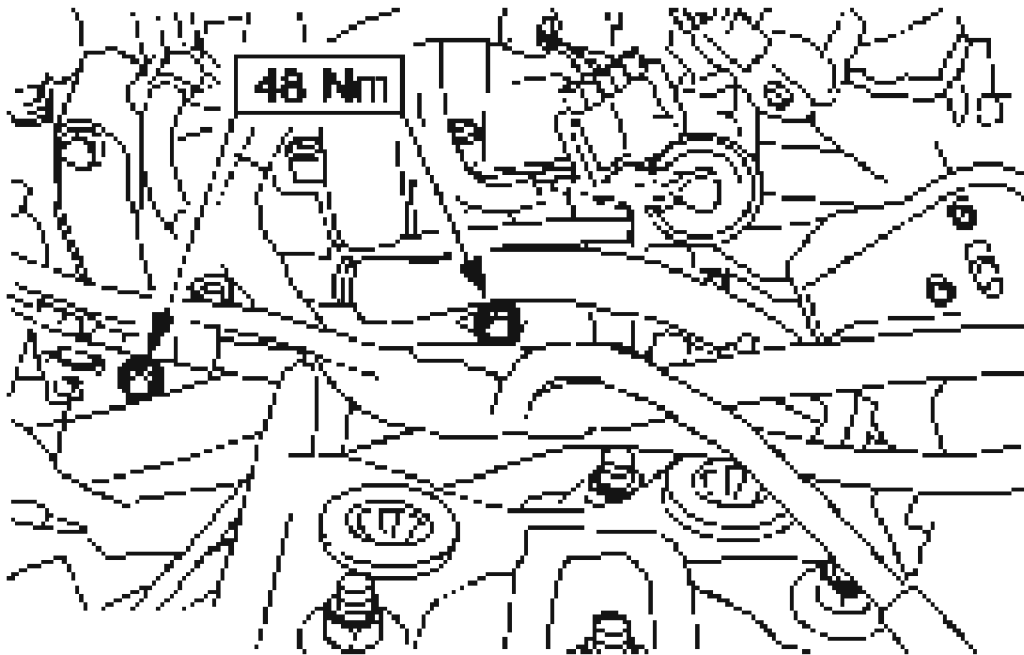
27. Install the starter motor retaining bolts.
 - Attach the ground cable to the transaxle.



G03854987

Fig. 67: Attaching Ground Cable To Transaxle
Courtesy of FORD MOTOR CO.

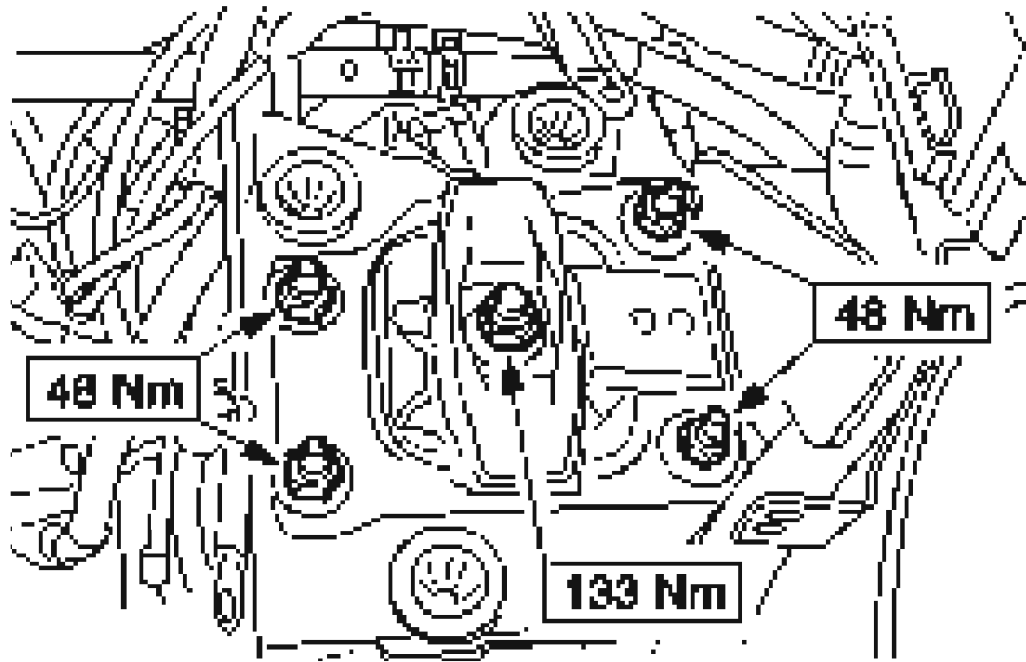
28. Install the transaxle upper retaining bolts.



G03854988

Fig. 68: Installing Transaxle Upper Retaining Bolts
Courtesy of FORD MOTOR CO.

29. Tighten the engine rear mount retaining nuts.



G03854989

Fig. 69: Tightening Engine Rear Mount Retaining Nuts
 Courtesy of FORD MOTOR CO.

30. Install the air cleaner intake pipe.
31. Install the battery tray.

NOTE: The gearshift lever must rest in the shift passage third and fourth gear.

32. Adjust the gearshift cables. Refer to MANUAL TRANSMISSION/TRANSAXLE AND CLUTCH - GENERAL INFORMATION .
33. Bleed the clutch system. Refer to MANUAL TRANSMISSION/TRANSAXLE AND CLUTCH - GENERAL INFORMATION .
34. Check the transmission fluid level and top up with manual transmission fluid if necessary. Refer to TRANSAXLE DRAINING AND FILLING .