

2005 Ford Focus ZX4 S
2005 TRANSMISSION Transaxle/Transmission Cooling - Focus

2005 TRANSMISSION

Transaxle/Transmission Cooling - Focus

SPECIFICATIONS

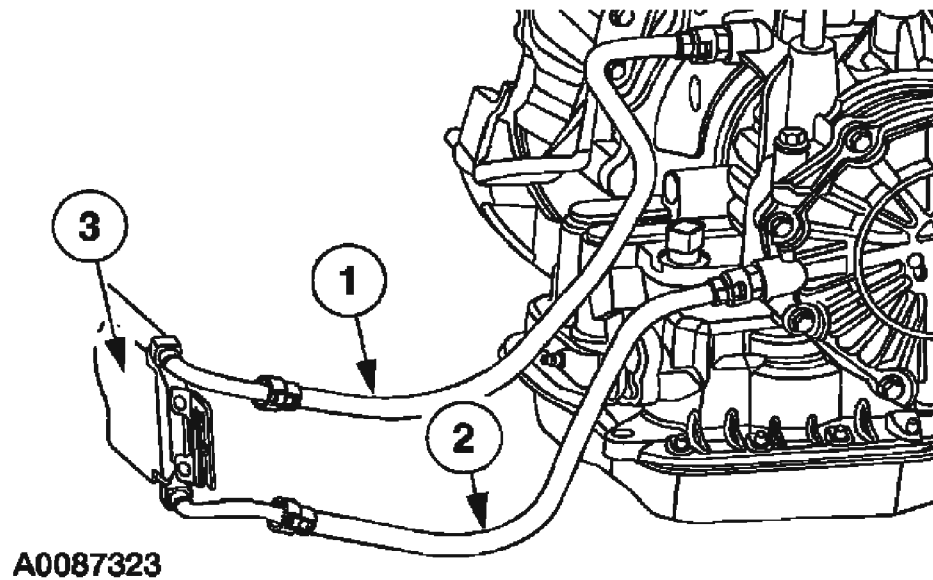
GENERAL SPECIFICATIONS

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Item	Specification
Automatic Transmission Fluid MERCON (R) V	XT-5-QM

DESCRIPTION AND OPERATION

TRANSAXLE COOLING



Item	Part Number	Description
1	—	Transaxle fluid cooler inlet tube
2	—	Transaxle fluid cooler outlet tube
3	—	Transmission fluid cooler

Fig. 1: Identifying Transaxle Cooling (2.0L - Duratec)
Courtesy of FORD MOTOR CO.

CAUTION: The connections on the automatic transmission fluid cooler are sealed with O-ring seals.

The transmission fluid cooler is installed in front of the engine cooling radiator.

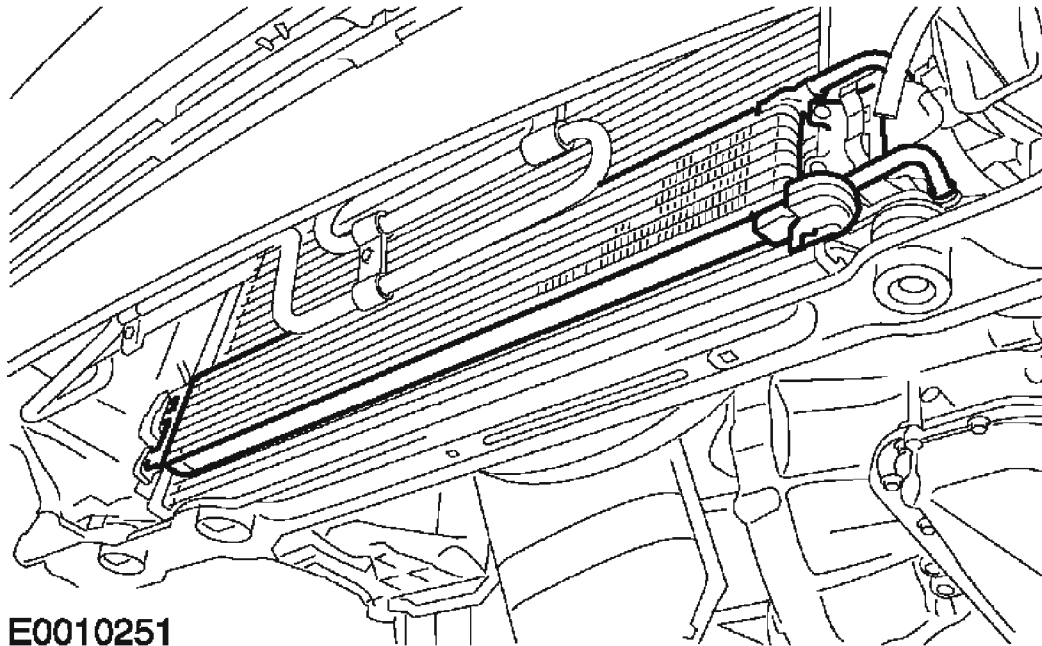


Fig. 2: Identifying Radiator
Courtesy of FORD MOTOR CO.

REMOVAL AND INSTALLATION

TRANSMISSION FLUID COOLER - 2.0L DURATEC

General Equipment

GENERAL EQUIPMENT

Cable ties

Material

MATERIAL SPECIFICATION

Item	Specification
Automatic Transmission Fluid XT-5-QM	MERCON(R) V

Removal

Vehicles with air conditioning

1. Using a cable tie, secure the radiator to the radiator support.

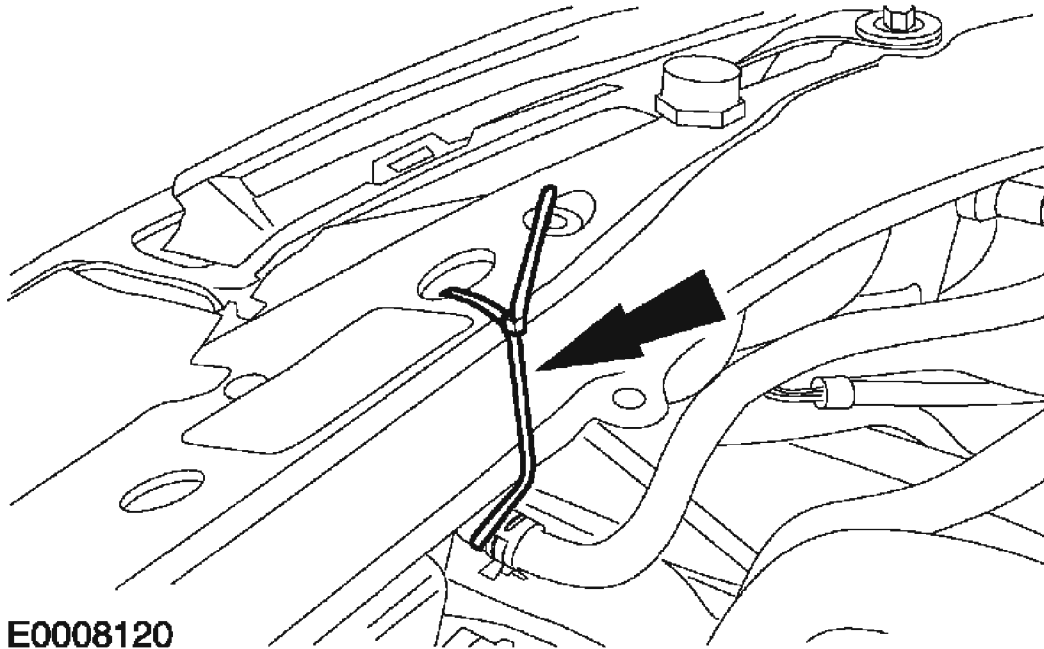


Fig. 3: Securing Radiator To Radiator Support Using Cable Tie
Courtesy of FORD MOTOR CO.

All vehicles

2. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to **JACKING AND LIFTING**.
3. Remove the radiator splash shield.

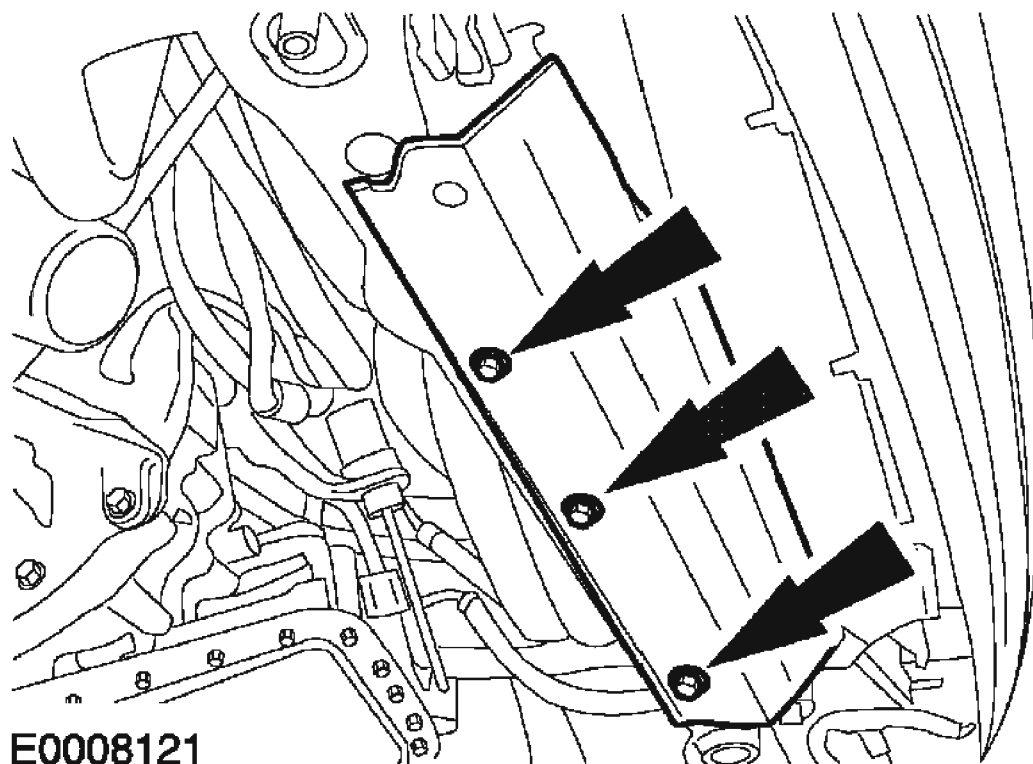


Fig. 4: Removing Radiator Splash Shield
Courtesy of FORD MOTOR CO.

4. Disconnect the horn electrical connector.

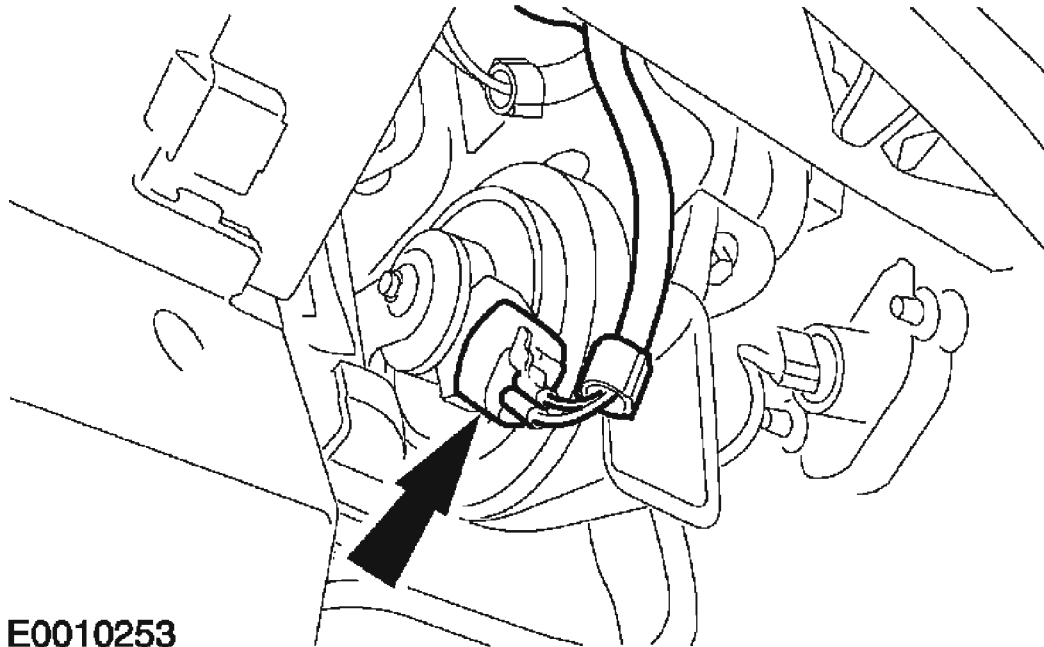


Fig. 5: Disconnecting Horn Electrical Connector
Courtesy of FORD MOTOR CO.

Vehicles with air conditioning

5. Unclip the air conditioning compressor clutch cable, then remove the radiator bracket.

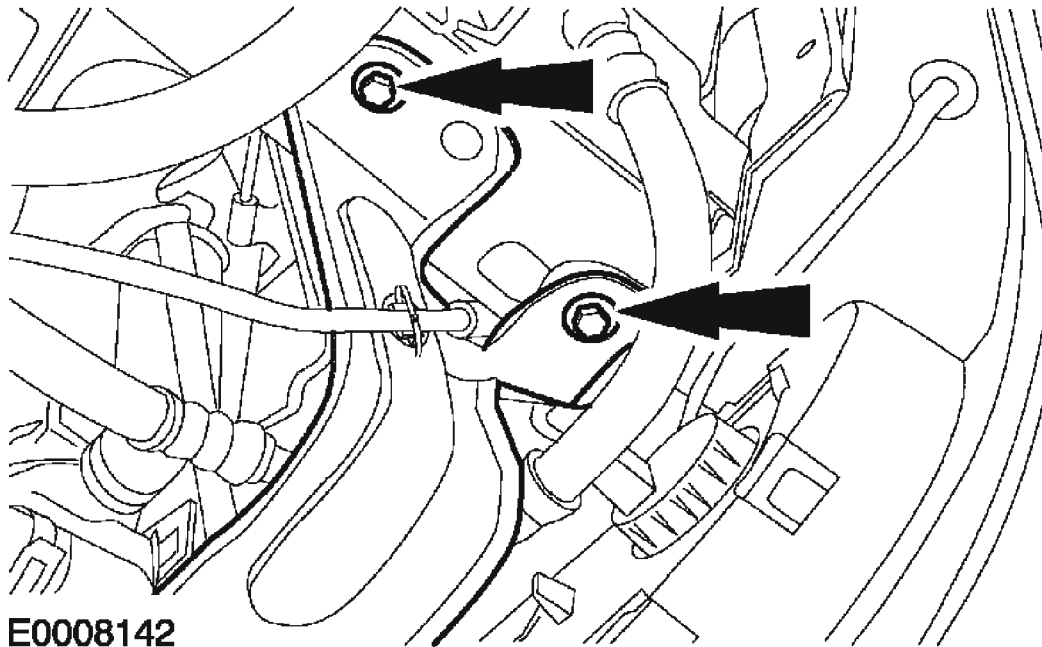


Fig. 6: Locating Radiator Bracket Bolts
Courtesy of FORD MOTOR CO.

All vehicles

6. Disconnect the transmission fluid cooler tubes.
 1. Push the connector fitting into the cooler line.
 2. Press the tab release button.
 3. Pull the connector fitting off the cooler line.

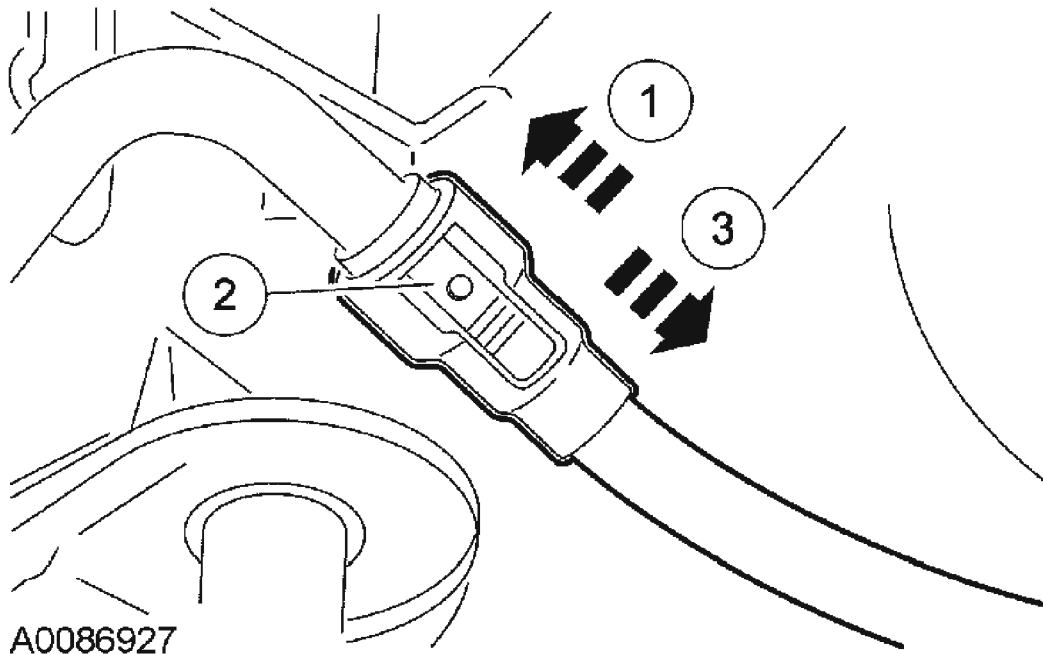


Fig. 7: Disconnecting Transmission Fluid Cooler Tubes
Courtesy of FORD MOTOR CO.

Vehicles with air conditioning

7. Remove the air conditioning condenser from the bracket and position it aside.

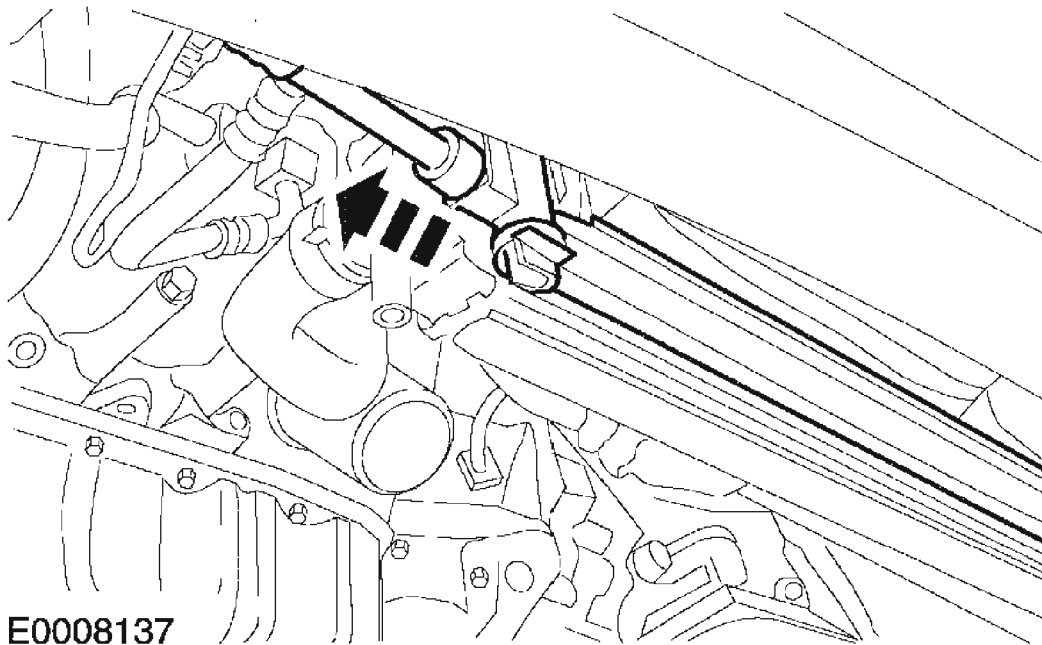


Fig. 8: Removing Air Conditioning Condenser From Bracket
Courtesy of FORD MOTOR CO.

All vehicles

8. Remove the RH and LH transmission fluid cooler brackets.

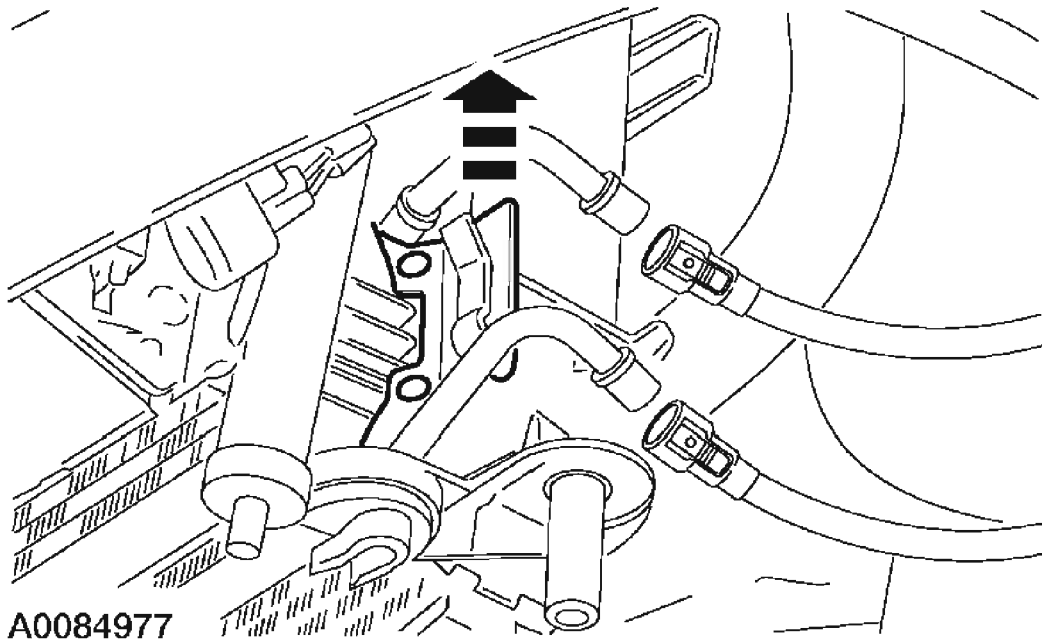


Fig. 9: Removing RH And LH Transmission Fluid Cooler Brackets
Courtesy of FORD MOTOR CO.

Installation

All vehicles

1. Install the RH and LH transmission fluid cooler brackets.

Vehicles with air conditioning

2. Install the air conditioning condenser.

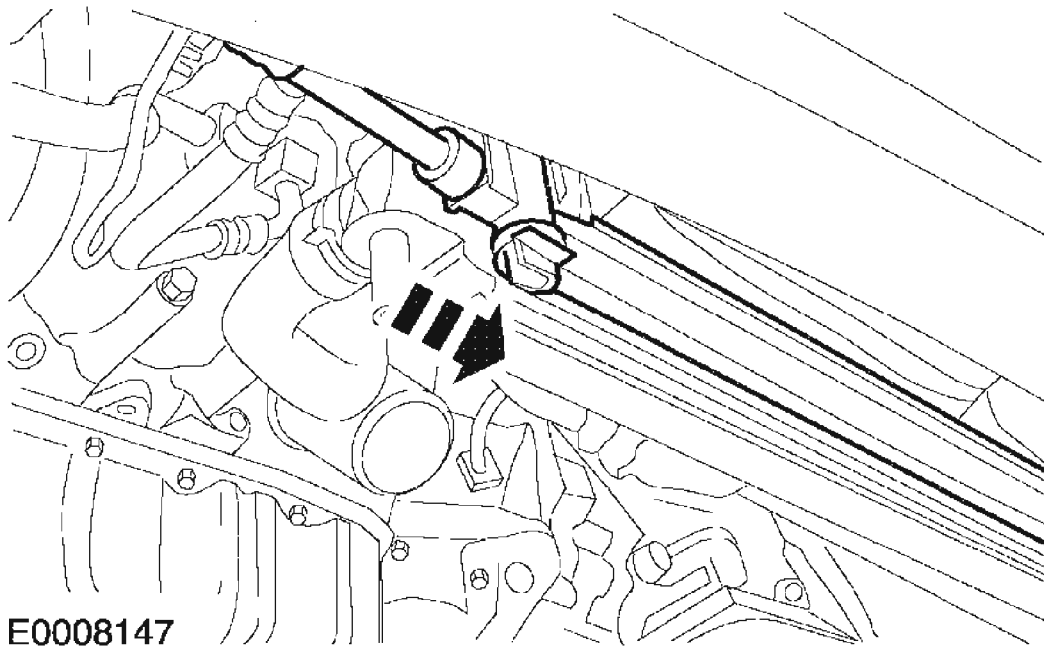


Fig. 10: Installing Air Conditioning Condenser
Courtesy of FORD MOTOR CO.

3. Install the radiator bracket, then attach the air conditioning compressor clutch cable.

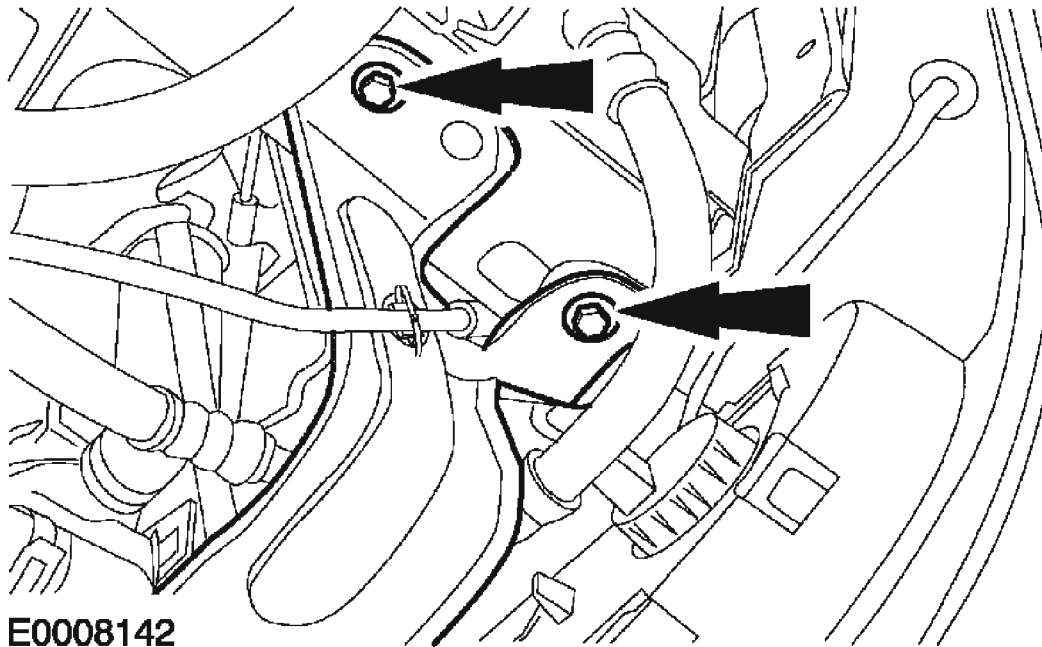


Fig. 11: Installing Radiator Bracket Bolts
Courtesy of FORD MOTOR CO.

All vehicles

4. Connect the transaxle fluid cooler tubes.
 - Pull back on the connectors to confirm that they are locked on the cooler lines.

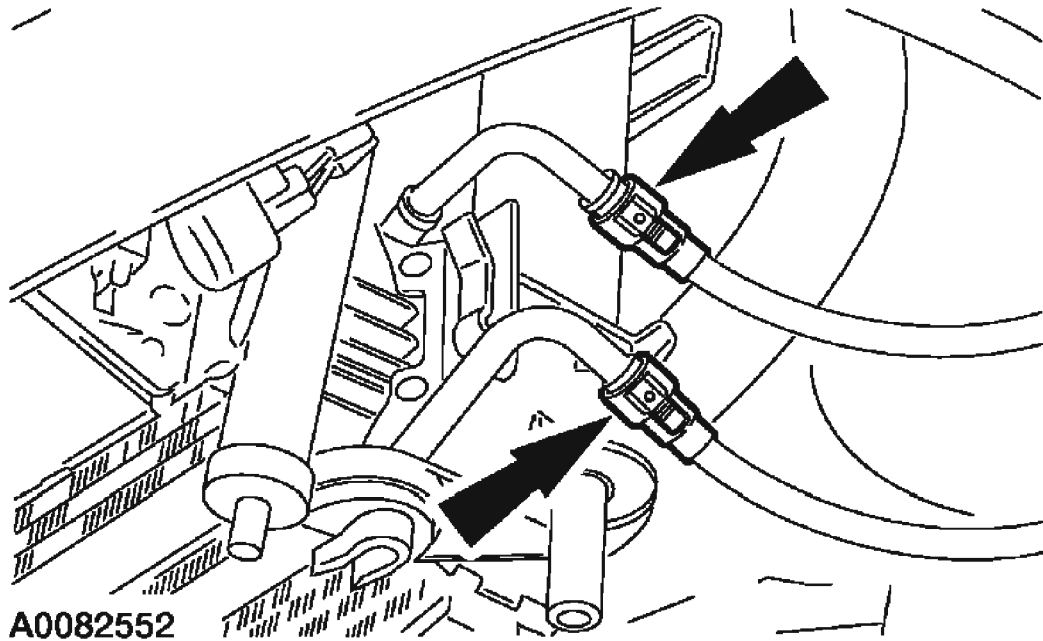
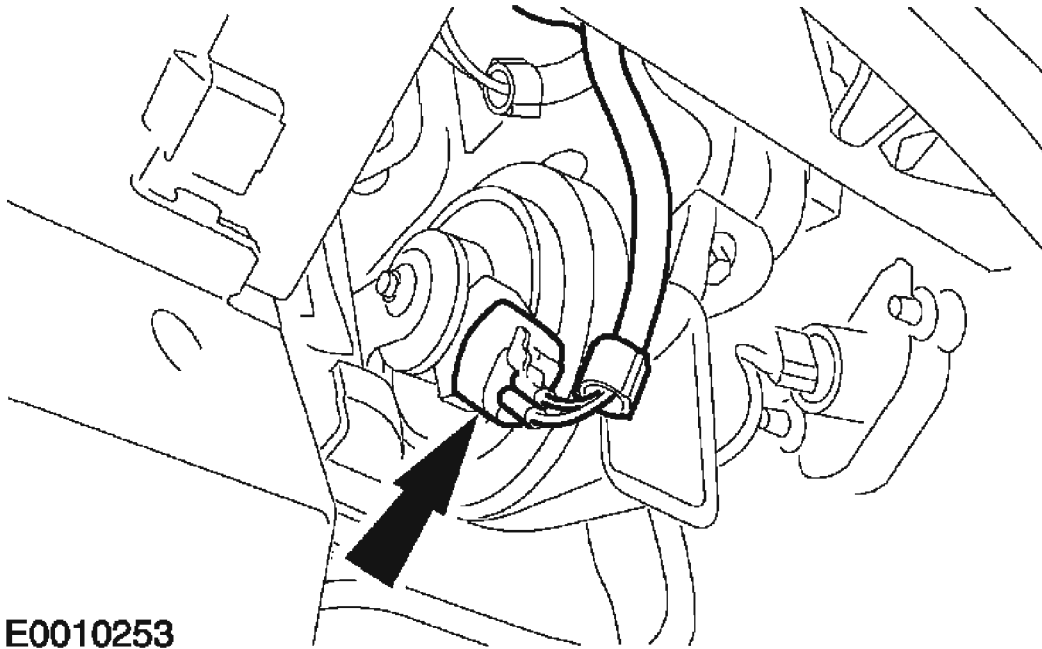


Fig. 12: Connecting Transaxle Fluid Cooler Tubes
Courtesy of FORD MOTOR CO.

5. Connect the horn electrical connector.



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Fig. 13: Connecting Horn Electrical Connector
Courtesy of FORD MOTOR CO.

6. Install the radiator splash shield.

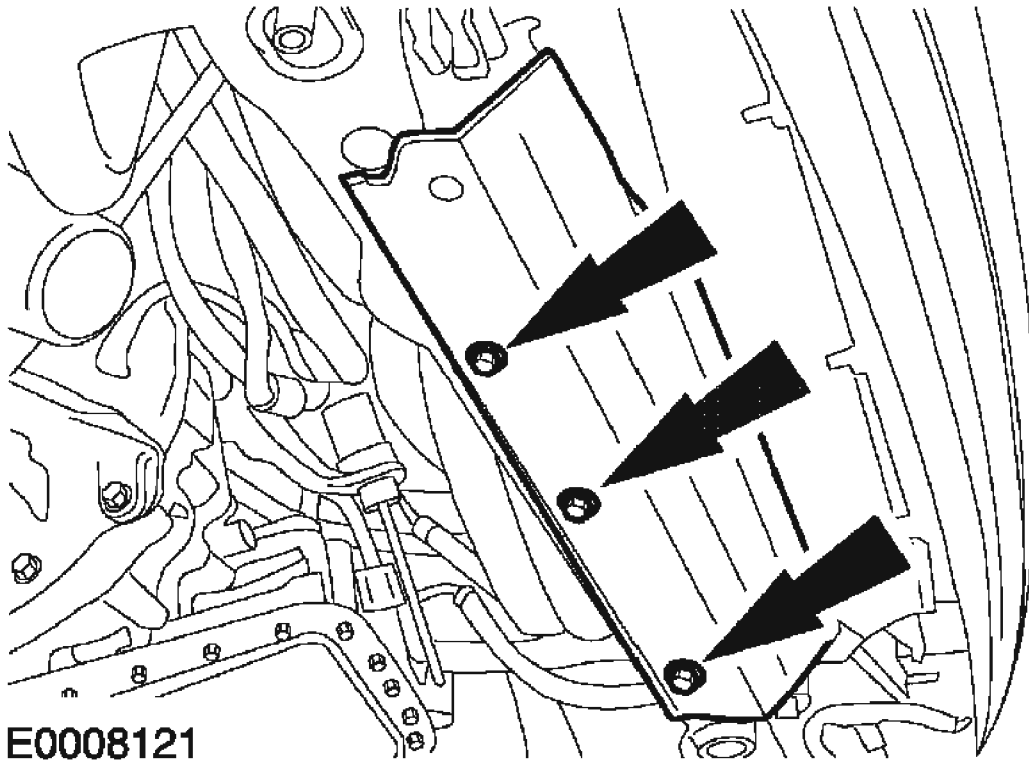


Fig. 14: Installing Radiator Splash Shield
Courtesy of FORD MOTOR CO.

7. Remove the cable ties from the radiator.

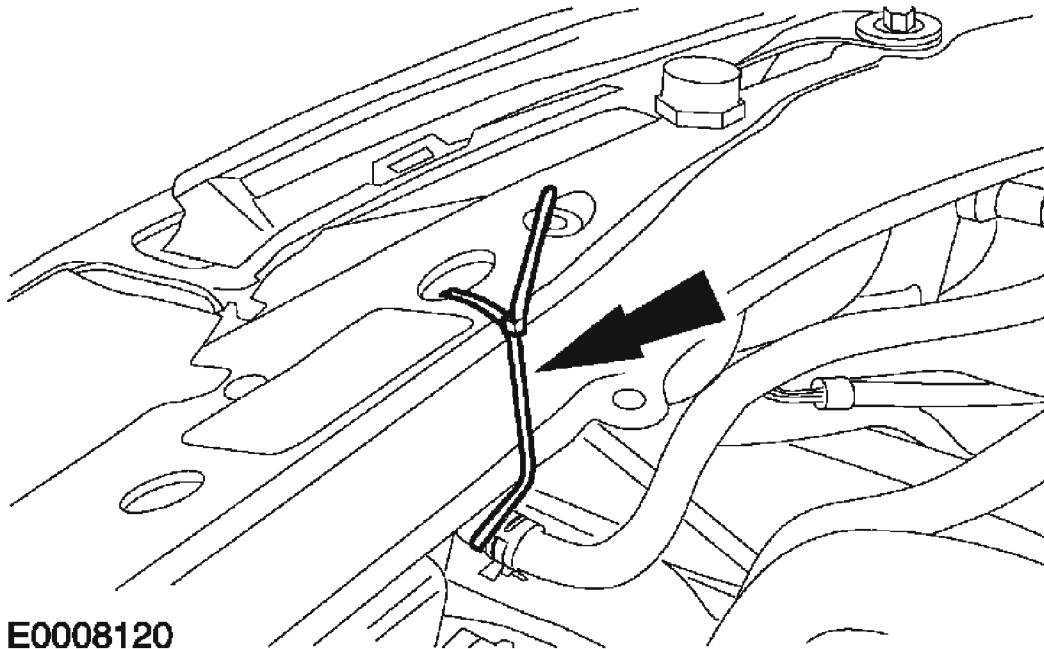


Fig. 15: Removing Cable Ties From Radiator
Courtesy of FORD MOTOR CO.

8. Lower the vehicle.
9. Check the automatic transmission fluid level and fill if necessary.

TRANSMISSION FLUID COOLER TUBES - 2.0L DURATEC

Removal

1. Raise and support the vehicle. For additional information, refer to **JACKING AND LIFTING** .

NOTE: Take notice of retaining ring color for correct orientation at installation.

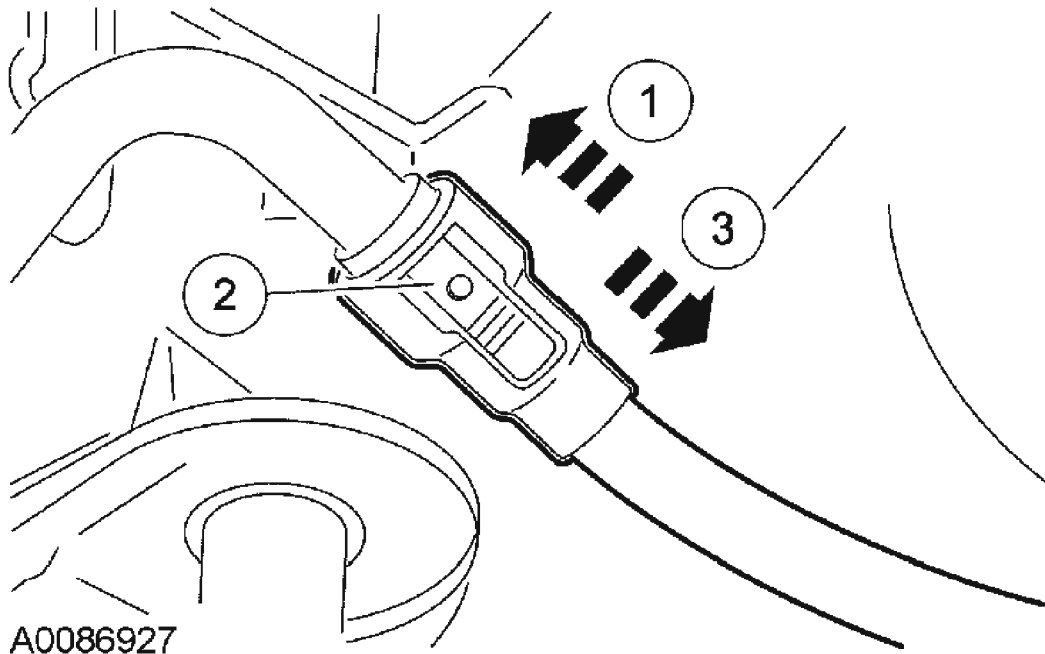
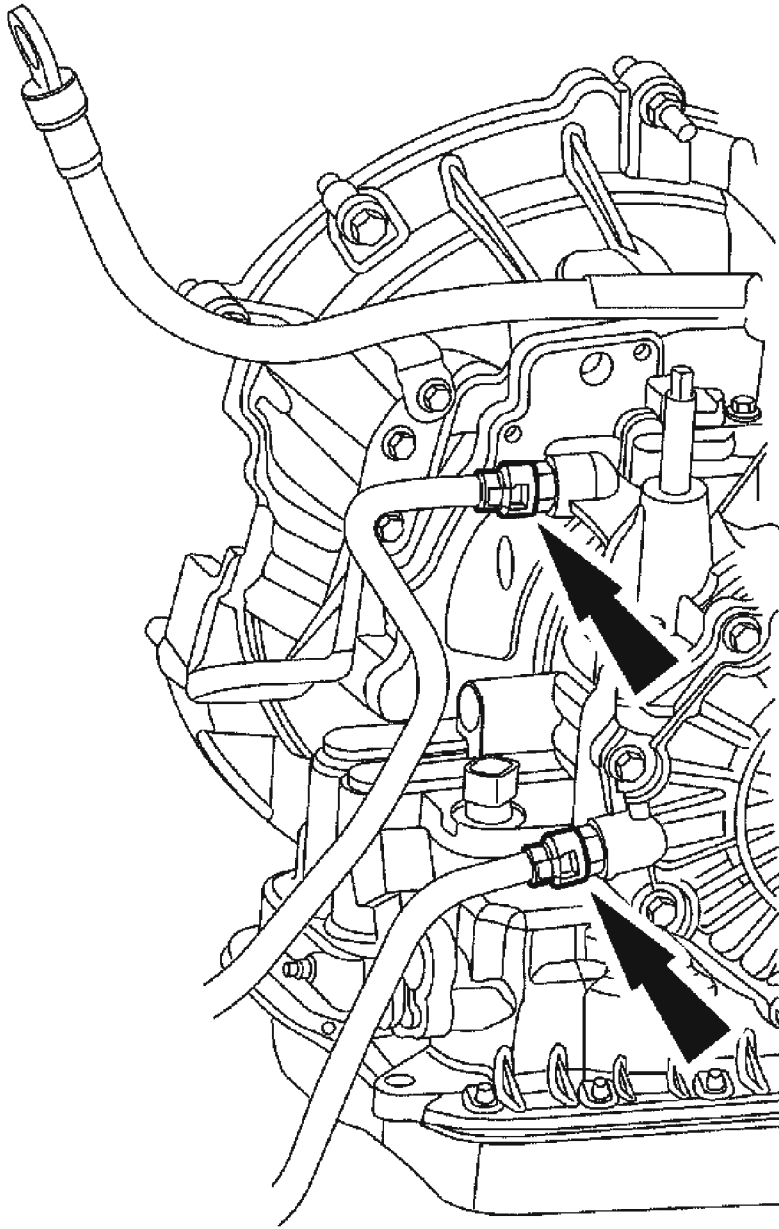


Fig. 16: Disconnecting Fluid Cooler Tubes From Transmission Fluid Cooler
Courtesy of FORD MOTOR CO.

2. Disconnect the fluid cooler tubes from the transmission fluid cooler.
 1. Push the connector fitting into the cooler line.
 2. Press the tab release button.
 3. Pull the connector fitting off the cooler line.

NOTE: Do not remove the fluid tube adapter from the transaxle housing.



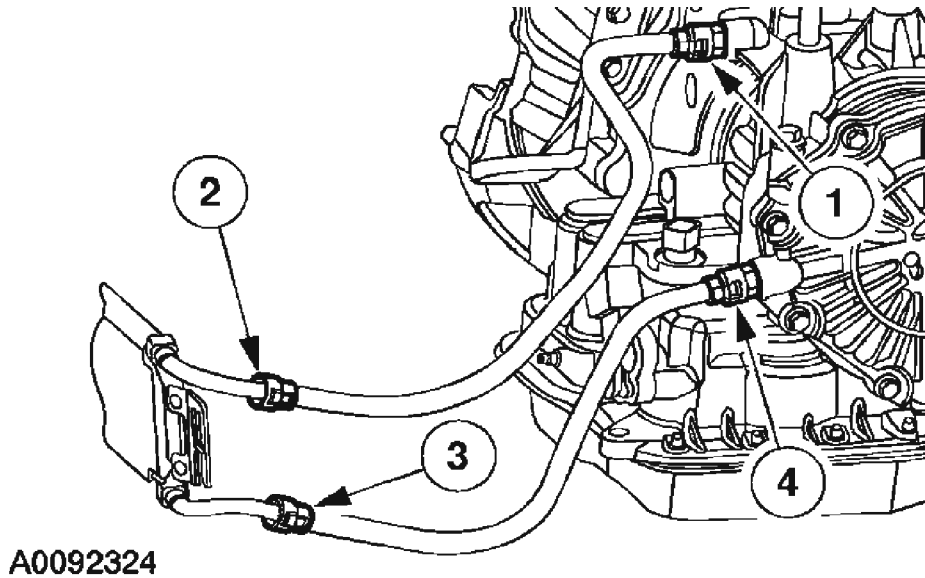
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Fig. 17: Disconnecting Transaxle Fluid Cooler Tubes From Transaxle
Courtesy of FORD MOTOR CO.

3. Disconnect the transaxle fluid cooler tubes from the transaxle.

4. Remove the transaxle fluid cooler tubes from the vehicle.

Installation



Item	Part Number	Description
1	—	Transaxle fluid cooler inlet connector (red)
2	—	Transaxle fluid cooler inlet connector (yellow)
3	—	Transaxle fluid cooler outlet connector (blue)
4	—	Transaxle fluid cooler outlet connector (black)

Fig. 18: Identifying Transaxle Fluid Cooler Inlet Connector
Courtesy of FORD MOTOR CO.

NOTE: Service cooler tubes may come with a disposable clip to aid in

installation.

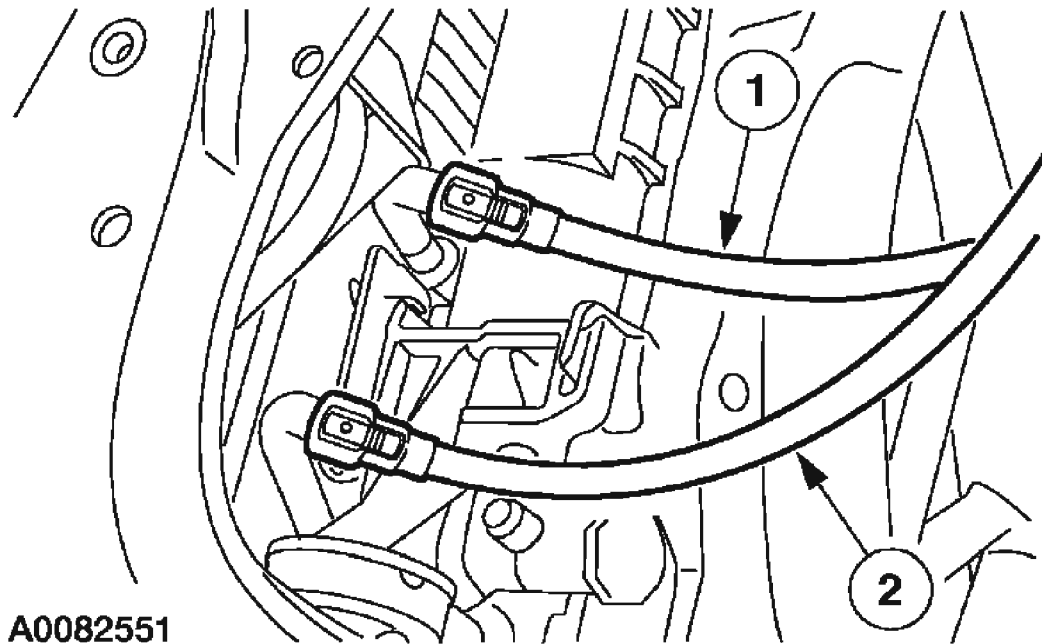
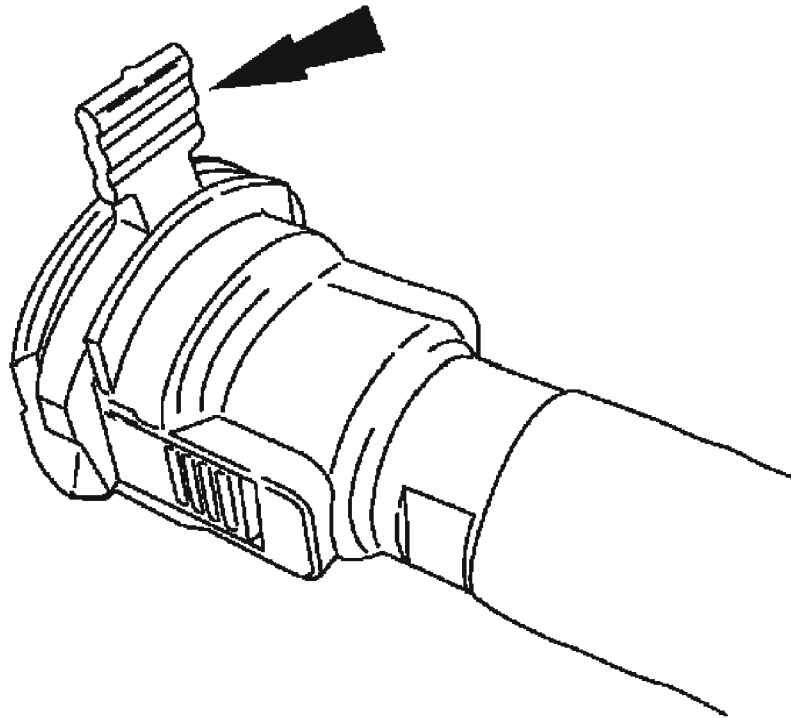


Fig. 19: Connecting Transaxle Fluid Cooler Tubes
Courtesy of FORD MOTOR CO.

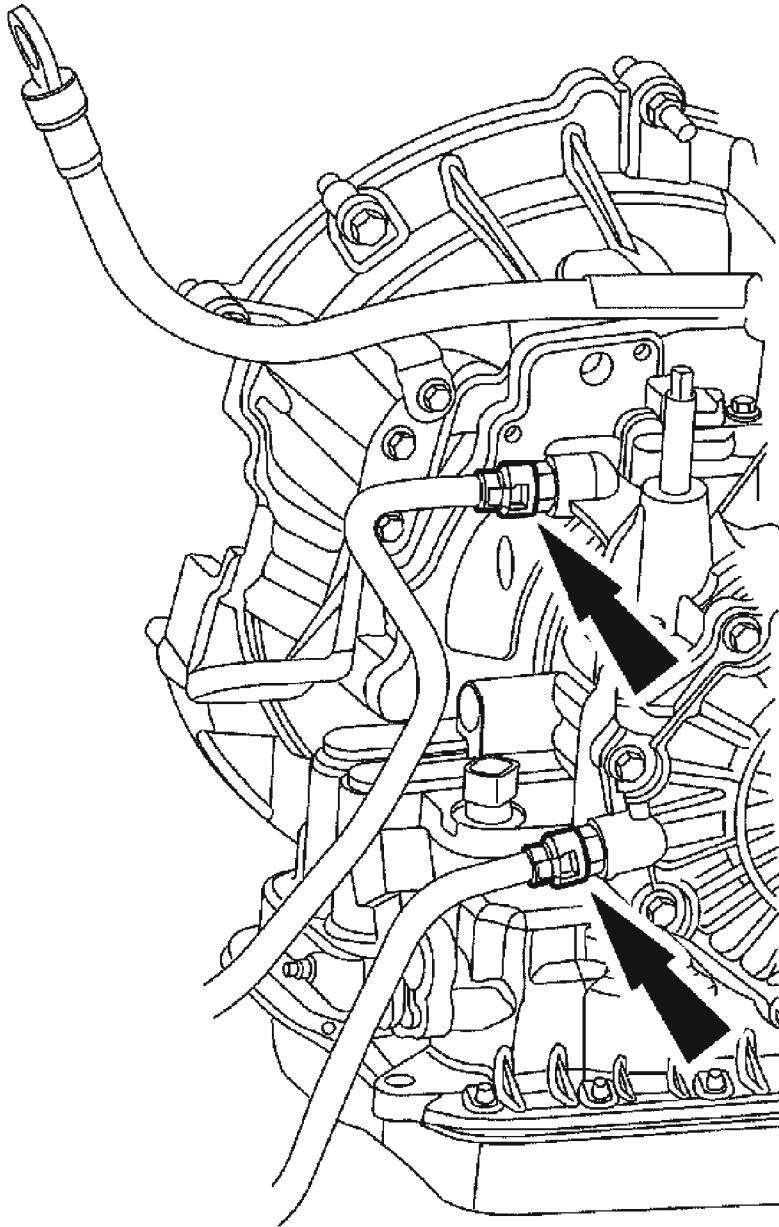
1. Connect the transaxle fluid cooler tubes.
 1. Connect the transaxle fluid cooler inlet tube.
 2. Connect the transaxle fluid cooler outlet tube.
 - Pull back on each connector to confirm that it is locked on the cooler line.
2. If equipped, remove and discard the disposable service clip.



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Fig. 20: Removing And Discarding Disposable Service Clip
Courtesy of FORD MOTOR CO.

3. Install the transaxle fluid cooler tubes to the transaxle.
 - Pull back on each connector to confirm that it is locked on the transaxle.



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Fig. 21: Installing Transaxle Fluid Cooler Tubes To Transaxle
Courtesy of FORD MOTOR CO.

4. Lower the vehicle.

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2005 TRANSMISSION Transaxle/Transmission Cooling - Focus

5. Fill the transaxle with automatic transmission fluid. For additional information, refer to **AUTOMATIC TRANSAXLE/TRANSMISSION** .