

REMOVAL AND INSTALLATION

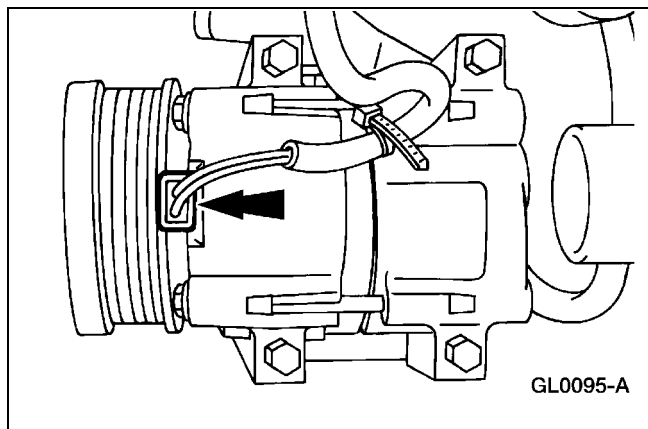
Air Conditioning (A/C) Compressor — 2.0L (34 626 0)

Removal

⚠ CAUTION: To prevent refrigerant system contamination, if you are installing a new A/C compressor because the A/C compressor has failed internally, you must use the following procedures:

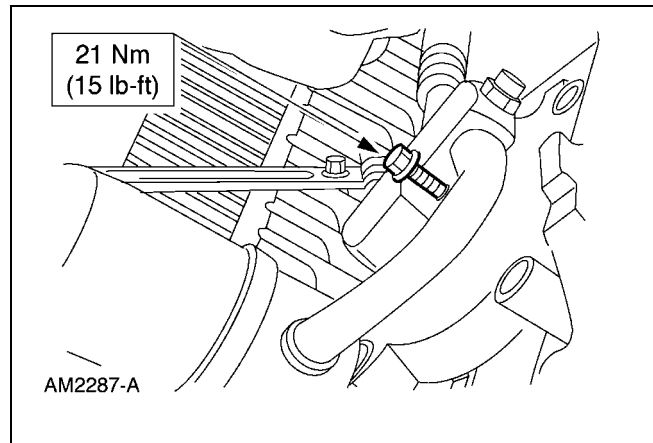
NOTE: Installation of a new suction accumulator is not necessary when repairing the air conditioning system except when there is physical evidence of system contamination from a failed A/C compressor or damage to the suction accumulator.

1. If an A/C Flusher is available, carry out the air conditioning (A/C) system flushing general procedure. For additional information, refer to Section 412-00.
2. If the A/C Flusher is not available, carry out the refrigerant system filtering following air conditioning (A/C) component installation general procedure. For additional information, refer to Section 412-00.
3. Install a new A/C evaporator core orifice. For additional information, refer to [Evaporator Core Orifice](#) in this section.
4. Remove the drive belt. For additional information, refer to Section 303-05.
5. Disconnect the A/C clutch field coil electrical connector.

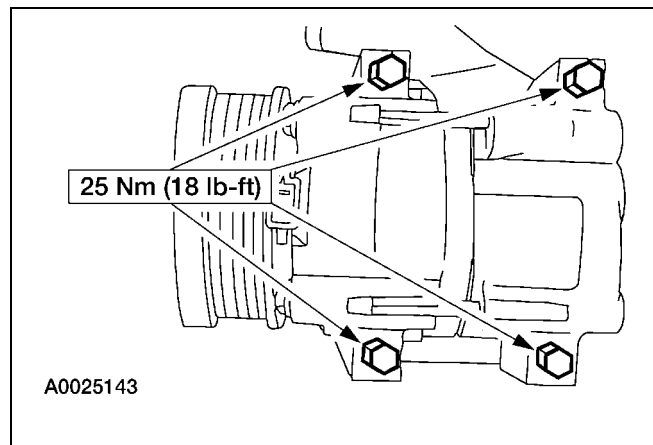


6. **⚠ CAUTION:** Plug all ports to prevent contamination from dirt or moisture.

Remove the A/C manifold and tube assembly bolt and disconnect the A/C manifold and tube assembly.



7. Remove the bolts and the A/C compressor.

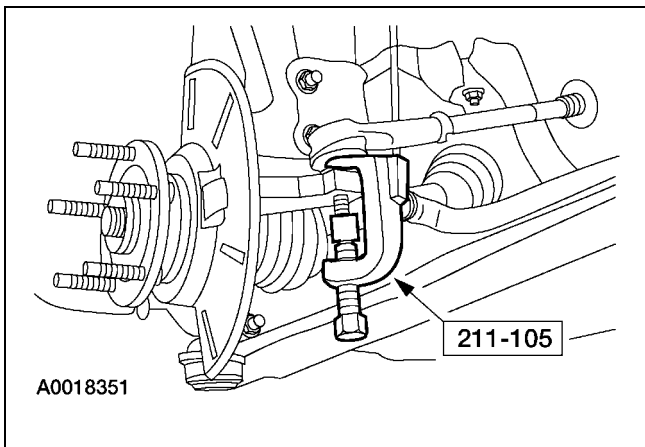


8. To install, reverse the removal procedure.

- Lubricate the new A/C compressor with the correct amount of PAG Compressor Oil YN-12-C or equivalent meeting Ford specification WSH-M1C231-B. For additional information, refer to Section 412-00.
- Lubricate the new A/C manifold O-ring seals with PAG Compressor Oil YN-12-C or equivalent meeting Ford specification WSH-M1C231-B.
- Apply Pipe Sealant with Teflon® D8AZ-19554-A or equivalent meeting Ford specifications WSK-M2G350-A2 and ESR-M18P7-A to the threads of the A/C manifold and tube assembly bolt.

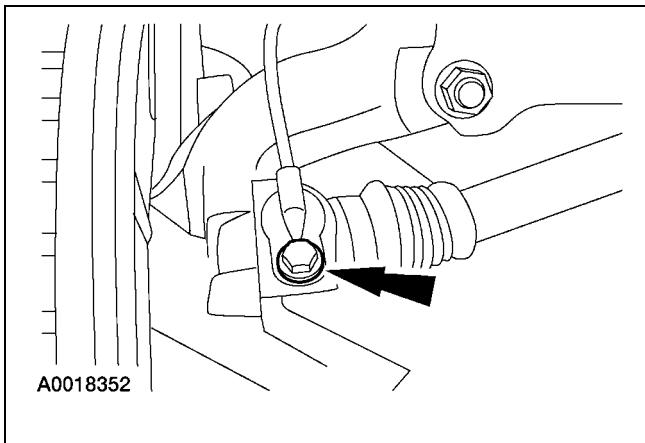
REMOVAL AND INSTALLATION (Continued)

4. Using the special tool, separate the tie rod end from the knuckle.



Vehicles with ABS

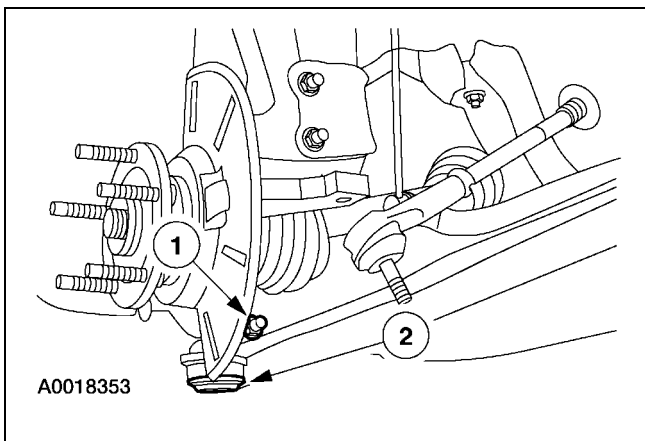
5. Remove the bolt and position the anti-lock brake sensor aside.



All vehicles

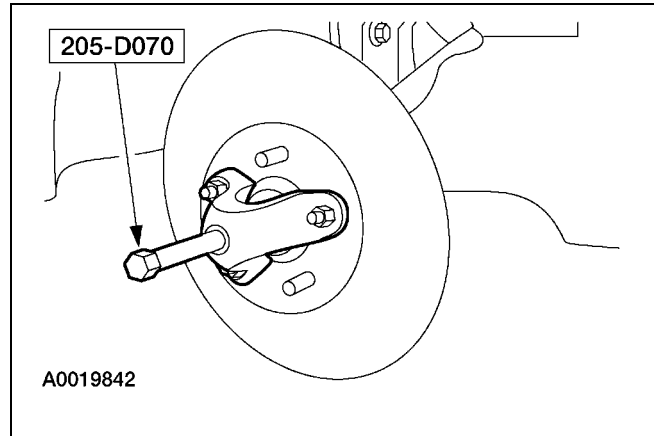
6. Separate the lower ball joint from the wheel knuckle.

1. Remove the pinch bolt.
2. Separate the lower ball joint from the wheel knuckle.



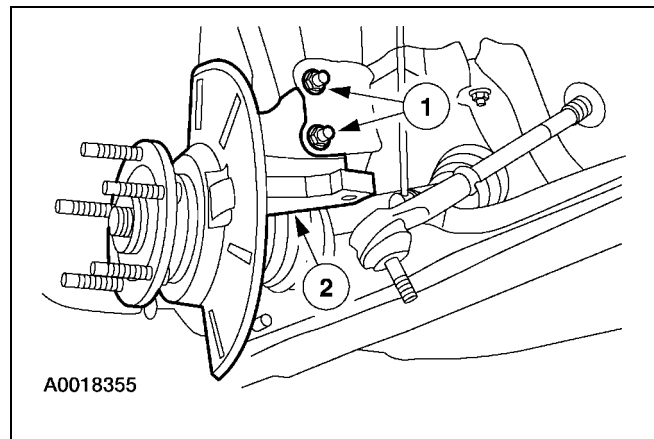
7. Using the special tool, separate the halfshaft from the wheel knuckle.

- Position the halfshaft aside and support.

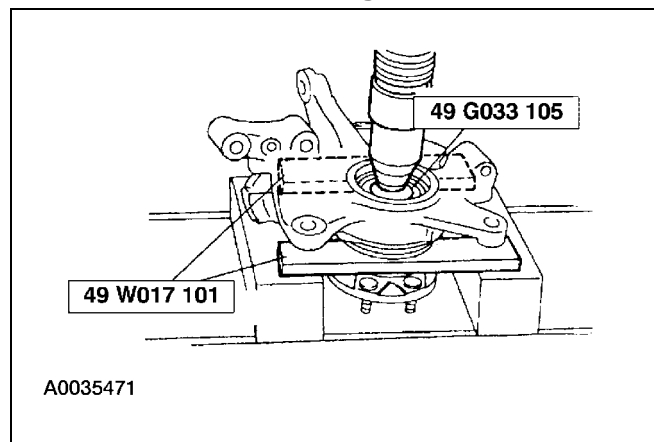


8. Remove the wheel knuckle.

1. Remove the strut-to-wheel knuckle bolts.
2. Remove the wheel knuckle.



9. Using the special tool, press the wheel hub from the wheel bearing and knuckle.



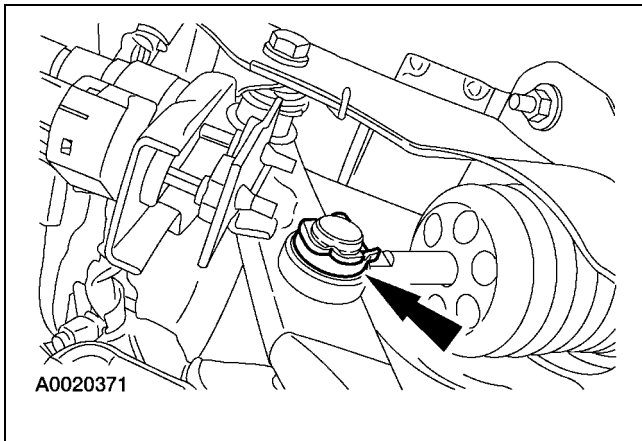
REMOVAL AND INSTALLATION

Brake Booster — LHD (12 451 0)

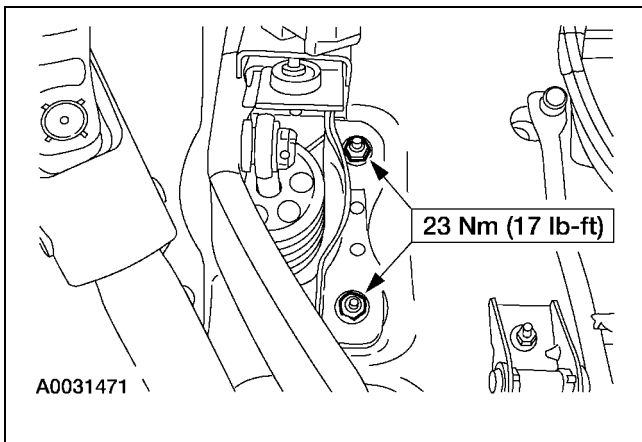
Removal and Installation

All vehicles

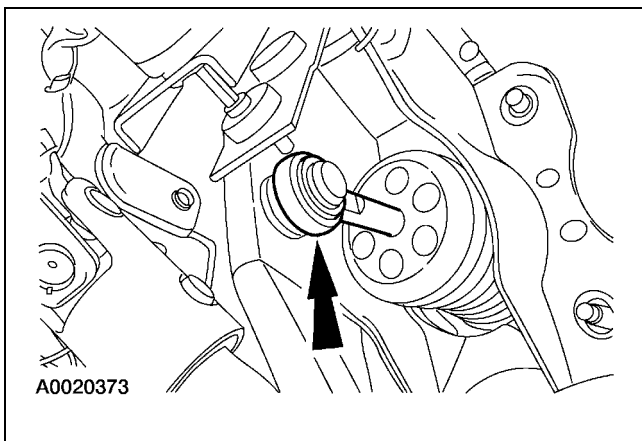
1. Remove the brake pedal push rod cotter pin and washer.



2. Remove the five power brake booster pushrod bracket nuts.



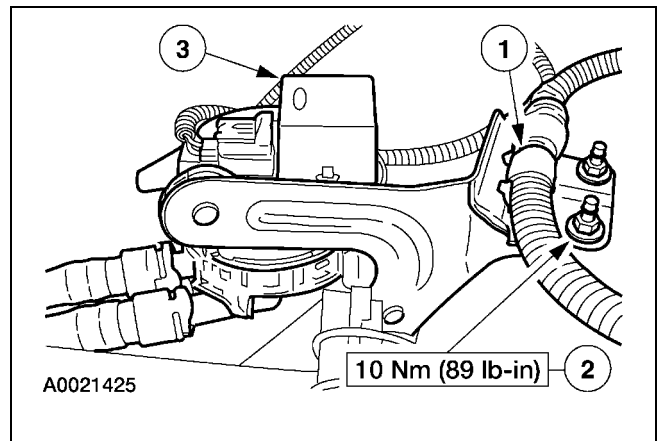
3. Disconnect the brake pedal pushrod.



3.0 L (4V)

4. Disconnect the evaporative emission canister purge valve and position aside.

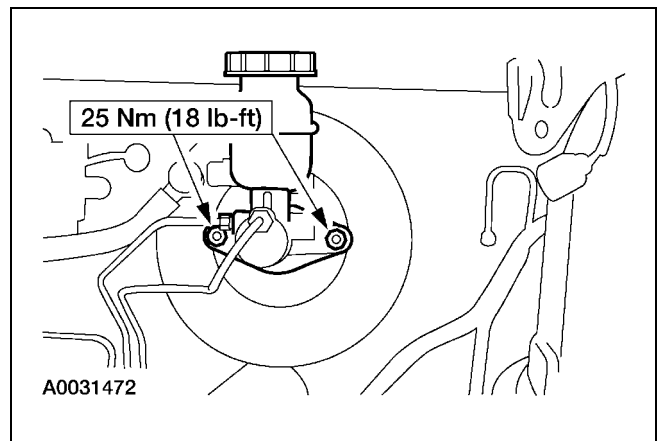
1. Disconnect the cable locator.
2. Remove the nuts.
3. Position the evaporative emission canister purge valve aside.



All vehicles

5. Disconnect the master cylinder and position aside.

- Remove the nuts.
- Position the master cylinder aside.

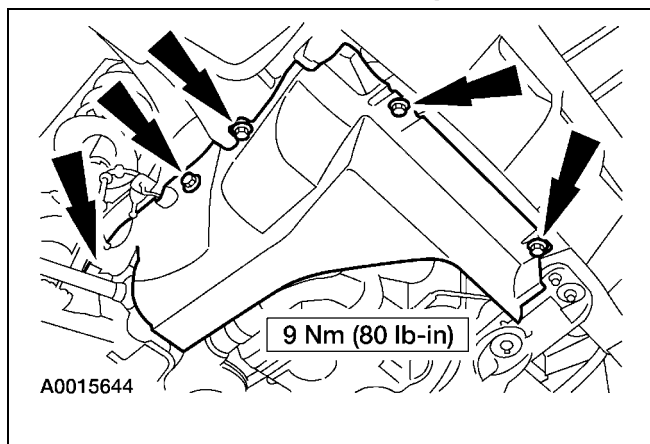


IN-VEHICLE REPAIR

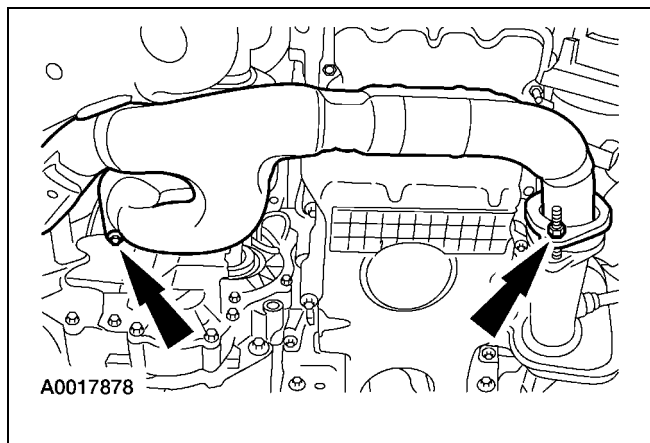
Exhaust Manifold LH (21 187 0)

Removal

1. Remove the LH heated oxygen sensor (HO2S) and the LH catalyst monitor. For additional information, refer to Section 303-14.
2. Remove the bolts and the splash shield.

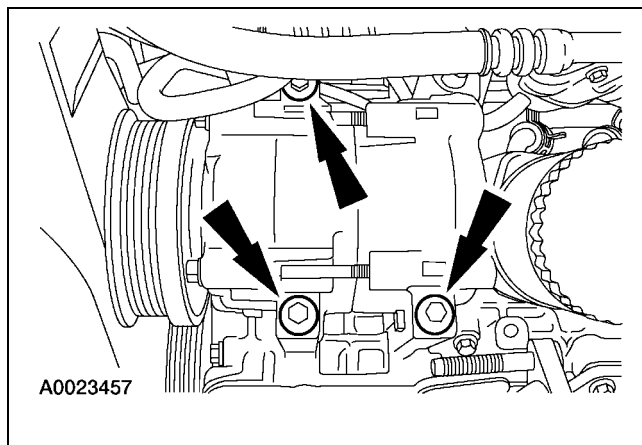


3. Remove the exhaust crossover and position aside.

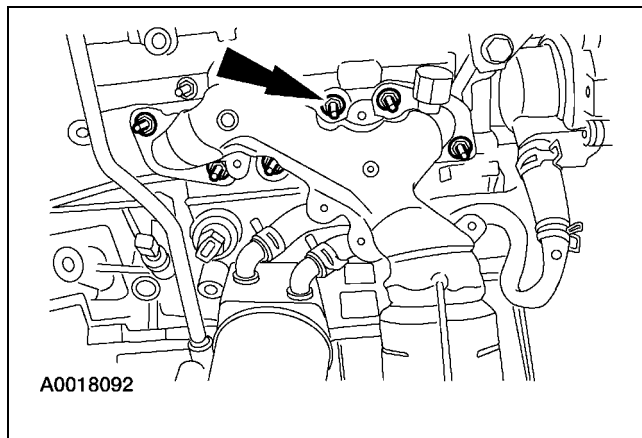


4. Remove the accessory drive belt. Refer to section Section 303-05.

5. Remove the A/C compressor bolts and position aside.



6. Remove the nuts and LH exhaust manifold and discard the gasket.



Installation

1. Position a new gasket and tighten the exhaust manifold in the sequence shown.

