

2003 Ford Truck Explorer 4WD V6-4.0L VIN E

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Service and Repair

[Notes](#)

AIR CONDITIONING (A/C) COMPRESSOR

Special Tool(s)	
<p>ST1260-A</p>	<p>2 Jaw Puller 205-D026 (D80L-1002-L) or equivalent</p>
<p>ST1235-A</p>	<p>Holding Fixture, Compressor Clutch 412-098 (T94P-19703-AH)</p>

SPECIAL TOOL(S)

REMOVAL

CAUTION: If installing a new air conditioning compressor due to an internal failure of the old unit, you must carry out the following procedures to remove contamination from the air conditioning system.

- If A/C flushing equipment is available, carry out flushing of the air conditioning system prior to installing a new air conditioning compressor.
- If A/C flushing equipment is not available, carry out filtering of the air conditioning system after a new air conditioning compressor has been installed.
- Install a new evaporator core orifice, as directed by the A/C flushing or

filtering procedure.

- **Install a new suction accumulator as directed by the A/C flushing or filtering procedure.**

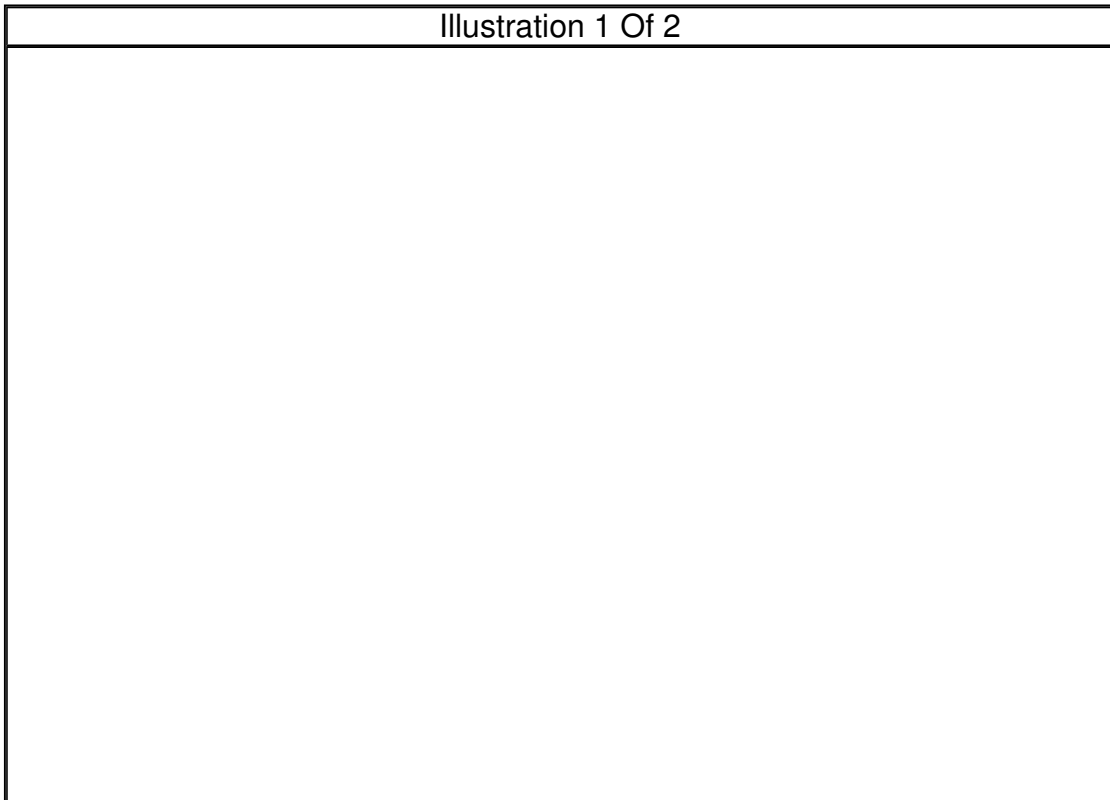
NOTE:

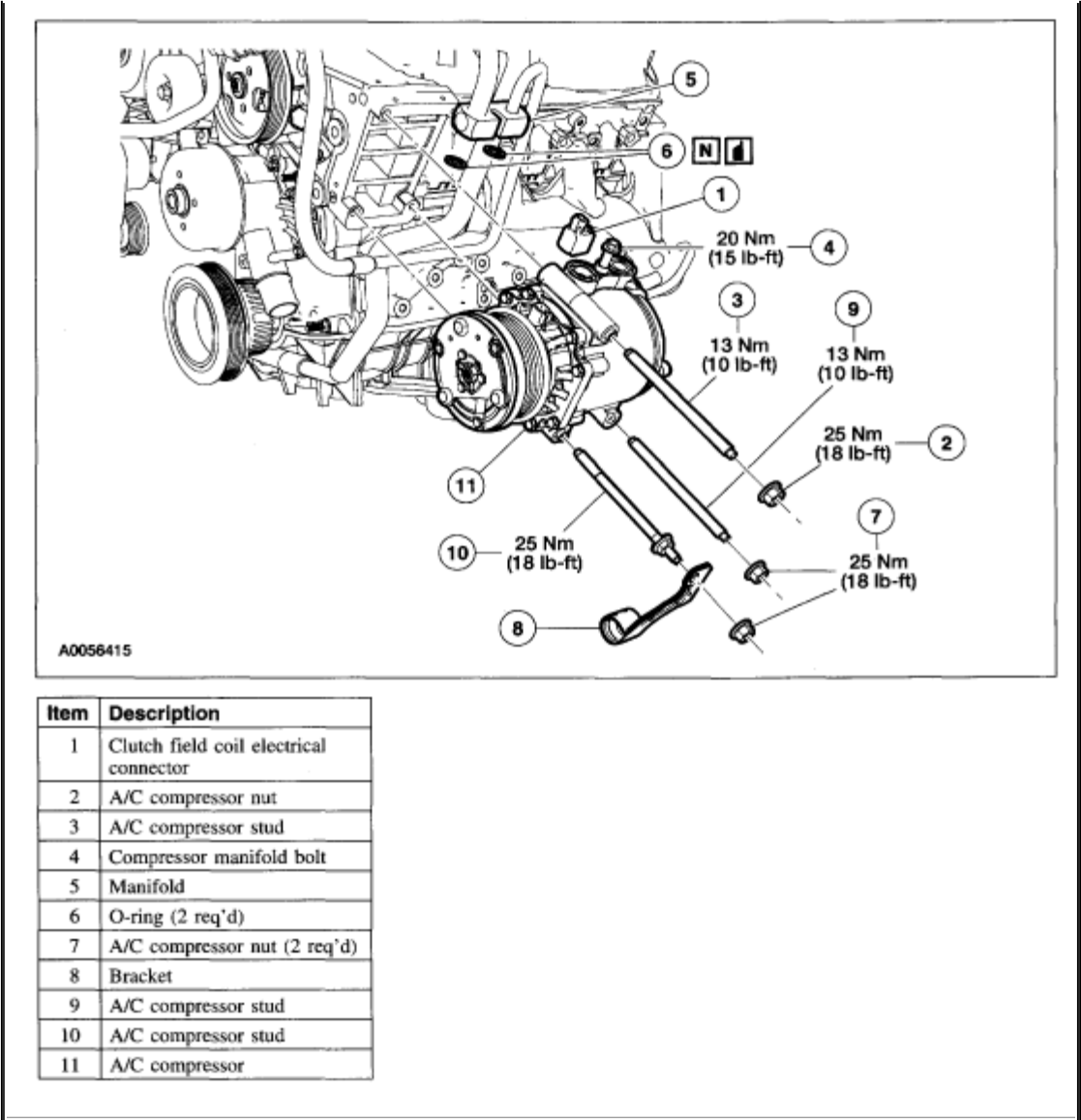
- Installation of a new suction accumulator is not required when repairing the air conditioning system except when there is physical evidence of system contamination from a failed A/C compressor or damage to the suction accumulator.
 - New O-ring seals, lubricated in clean PAG oil, must be installed before reconnecting any A/C fitting which has been disconnected.
1. Position the vehicle on a hoist with the gear selector in NEUTRAL.
 2. If flushing of the air conditioning system has not been performed, recover the [refrigerant](#).
 3. Remove the drive belt from the A/C compressor pulley.

Component	Steps
A/C compressor	1-11
Clutch and clutch field coil	1-18

Zoom

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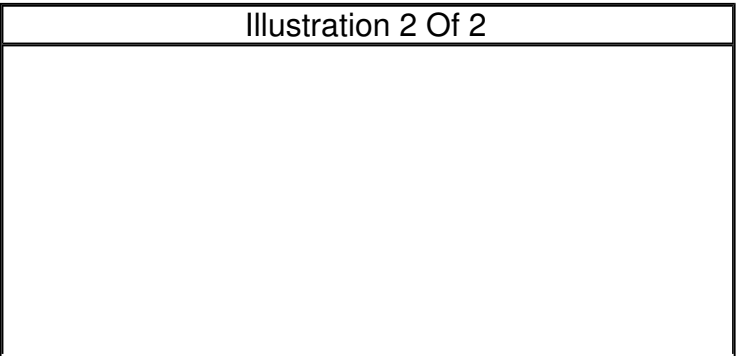


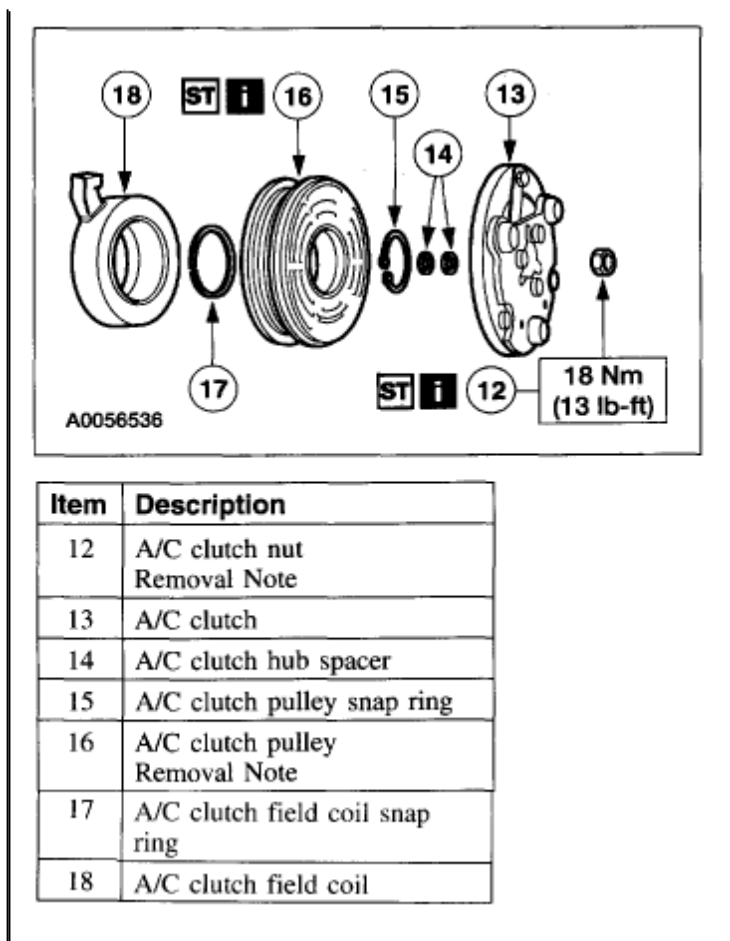


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4. Illustration 1 of 2. Remove the components in the order indicated in the illustration and table. To remove individual components, carry out only the given steps.



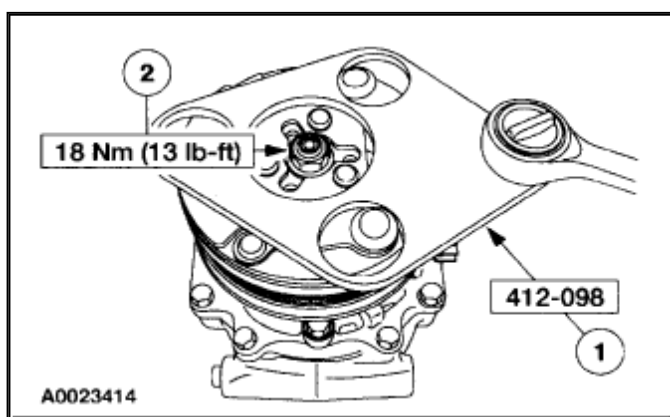


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5 Illustration 2 of 2. Remove the components in the order indicated in the illustration and table.

Item 12: A/C Clutch Nut Removal Note

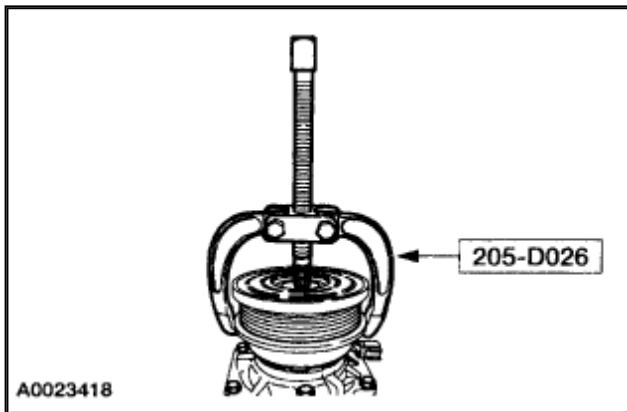


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1. Remove the A/C clutch nut.
- 1 Using the special tool, hold the clutch plate.
- 2 Remove the nut.

Item 16: A/C Clutch Pulley Removal Note



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1. **CAUTION: Do not use air tools. Damage to the A/C clutch pulley or A/C compressor may result.** Using the special tool, remove the A/C clutch pulley.

INSTALLATION

1. To install, reverse the removal procedure.
2. If filtering of the air conditioning system is not to be performed, lubricate the [refrigerant](#) system with the correct amount of clean PAG oil.
3. If filtering of the air conditioning system is not to be performed, evacuate, leak test and charge the [refrigerant](#) system.