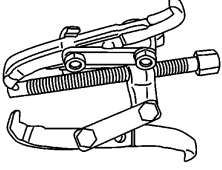
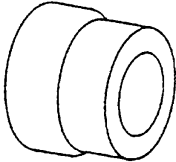
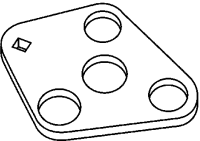
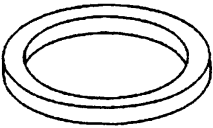
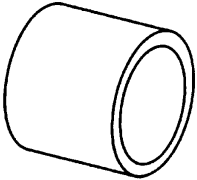
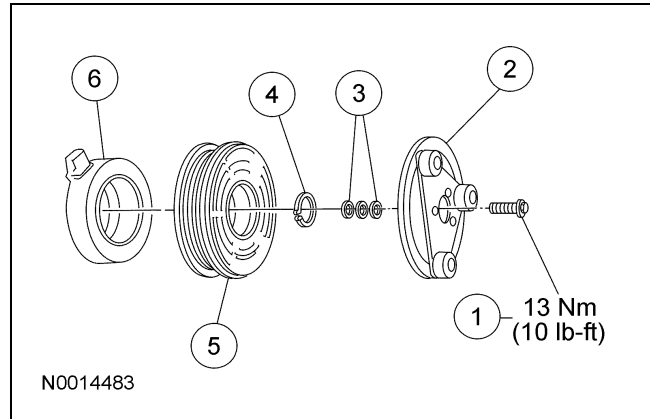


REMOVAL AND INSTALLATION

Clutch and Clutch Field Coil

Special Tool(s)

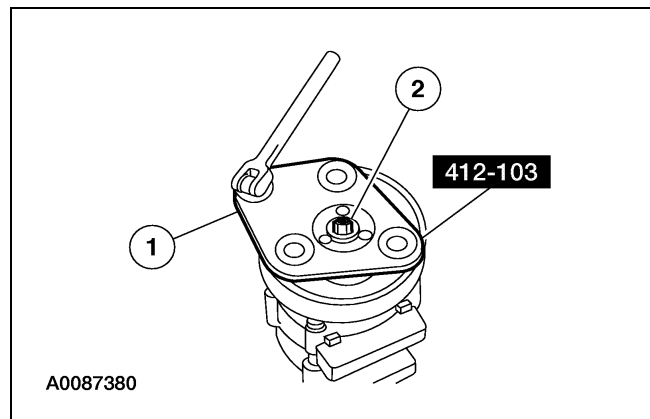
| | |
|---|---|
|  <p>ST2382-A</p> | <p>Remover, Compressor Pulley 412-001 (T71P-19703-B)</p> |
|  <p>ST1232-A</p> | <p>Installer, A/C Compressor Coil 412-065 (T89P-19623-EH)</p> |
|  <p>ST2584-A</p> | <p>Holding Fixture, Compressor Clutch 412-103 (T95L-19703-AH)</p> |
|  <p>ST1234-A</p> | <p>Installer, A/C Compressor Field Coil 412-078 (T91L-19623-CH)</p> |
|  <p>ST1233-A</p> | <p>Remover, A/C Compressor Field Coil 412-067 (T89P-19623-FH)</p> |



| Item | Part Number | Description |
|------|-------------|---------------------------------|
| 1 | N805332 | A/C clutch disc and hub bolt |
| 2 | 19D786 | A/C clutch disc and hub |
| 3 | 19D648 | A/C clutch disc and hub spacer |
| 4 | N805338 | A/C compressor pulley snap ring |
| 5 | 19D784 | A/C compressor pulley |
| 6 | 19D798 | A/C clutch field coil |


Removal

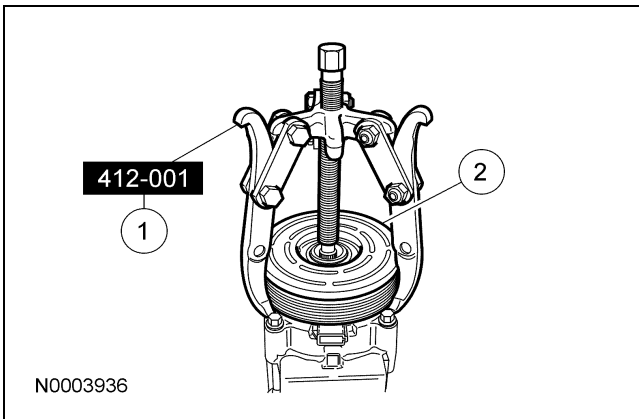
1. Remove the A/C compressor. For additional information, refer to Air Conditioning (A/C) Compressor — 4.0L or Air Conditioning (A/C) Compressor — 4.6L in this section.
2. Remove the A/C clutch disc and hub bolt.
 - 1 Using the special tool, hold the A/C clutch disc and hub.
 - 2 Remove the A/C clutch disc and hub bolt.




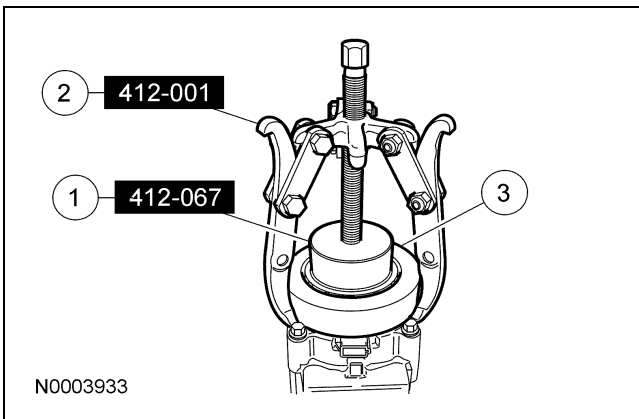
3. Remove the A/C clutch disc and hub.

REMOVAL AND INSTALLATION (Continued)


4. Remove the A/C clutch disc and hub spacer(s).
5. Remove the A/C clutch pulley snap ring.
6.  **CAUTION: Do not use air tools. Damage to the A/C compressor pulley or A/C compressor may result.**
Remove the A/C compressor pulley.
 - 1 Install the special tool.
 - 2 Remove the A/C compressor pulley.

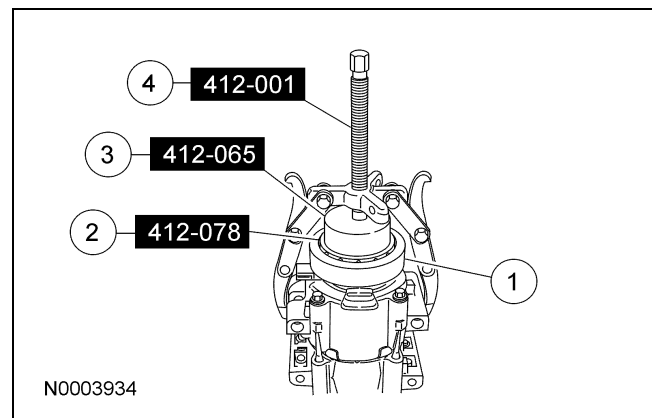


7.  **CAUTION: Do not use air tools. Damage to the A/C clutch field coil or A/C compressor may result.**
Remove the A/C clutch field coil.
 - 1 Install the special tool.
 - 2 Install the special tool.
 - 3 Remove the A/C clutch field coil.

**Installation**

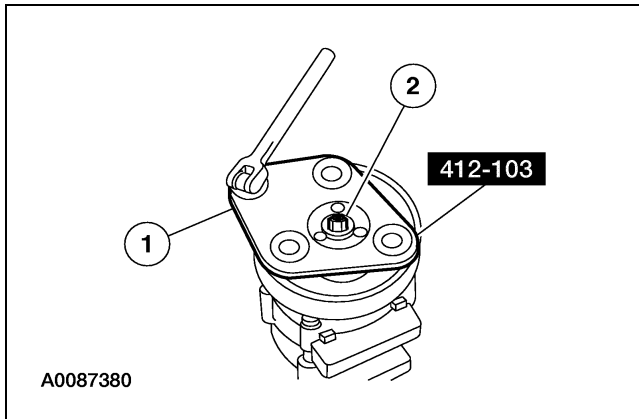
NOTE: If installing a new A/C compressor, the A/C clutch components should be reused unless obvious signs of damage are found. If excessive grooving is found, a new A/C clutch disc and hub and A/C compressor pulley must be installed together. Otherwise, each component can be installed individually where needed.

1. Visually inspect the A/C clutch disc and hub, A/C compressor pulley and A/C clutch field coil for damage.
 - Inspect for physical damage, including cracked or melted components or discoloration due to excessive heat.
 - Inspect for excessive wear, including grooving in the A/C clutch disc and hub or A/C compressor pulley that is more than fingernail depth.
 - Inspect for roughness in the A/C compressor pulley bearing.
2.  **CAUTION: Do not use air tools. Damage to the A/C clutch field coil or A/C compressor may result.**
Install the A/C clutch field coil.
 - 1 Place the A/C clutch field coil on the A/C compressor with the A/C clutch field coil electrical connector correctly positioned.
 - 2 Place the special tool on the A/C clutch field coil.
 - 3 Place special tool 412-065 on special tool 412-078.
 - 4 Use the special tool to install the A/C clutch field coil.

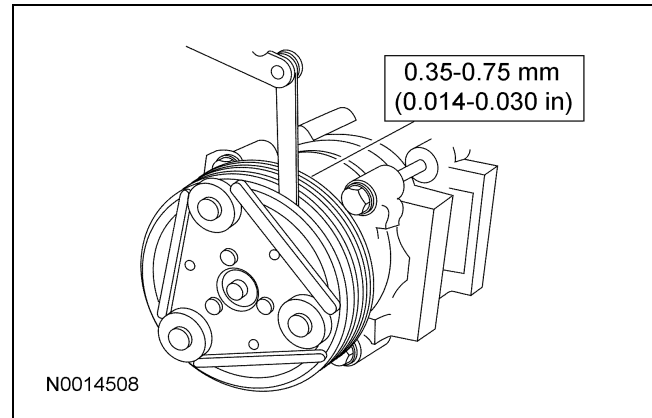


REMOVAL AND INSTALLATION (Continued)

3. Install the A/C compressor pulley.
4. Install the A/C compressor pulley snap ring.
5. Install the A/C clutch disc and hub spacer(s) and the A/C clutch disc and hub.
6. Install the A/C clutch disc and hub bolt.
 - 1 Hold the A/C clutch disc and hub with the special tool
 - 2 Tighten to 13 Nm (10 lb-ft).



7. Measure and adjust the clutch air gap by adding or removing A/C clutch disc and hub spacers.



8. Install the A/C compressor. For additional information, refer to Air Conditioning (A/C) Compressor — 4.0L or Air Conditioning (A/C) Compressor — 4.6L in this section.