
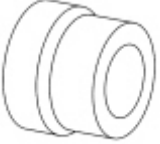



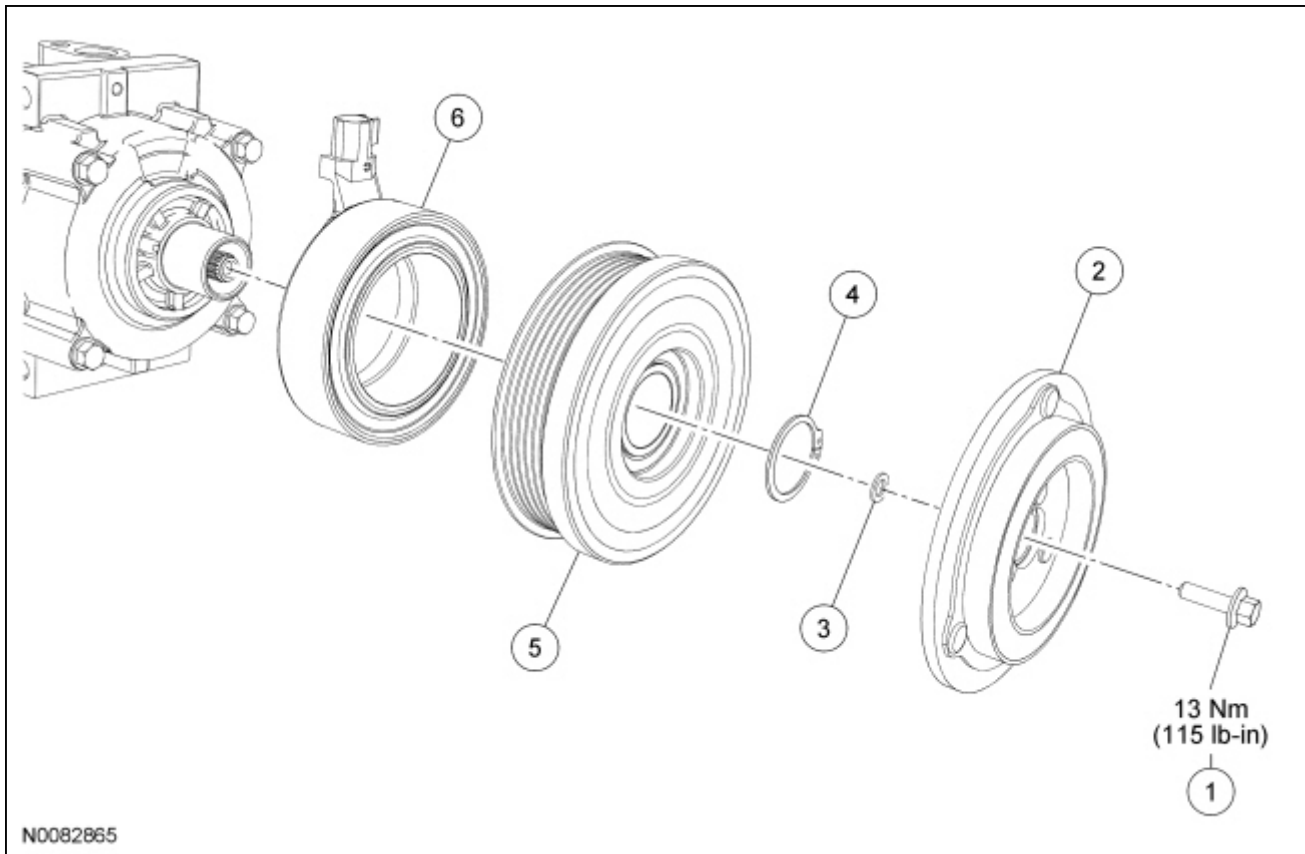


Clutch and Clutch Field Coil

Special Tool(s)

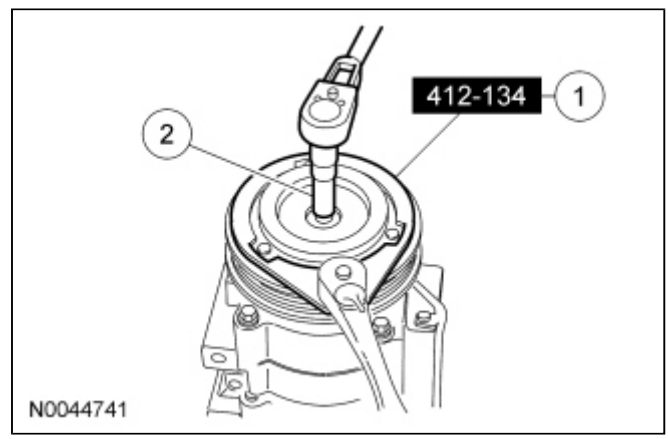
 <p>ST2946-A</p>	Holding Tool, Compressor Clutch 412-134
 <p>ST1232-A</p>	Installer, A/C Compressor Coil 412-065 (T89P-19623-EH)
 <p>ST1234-A</p>	Installer, A/C Compressor Field Coil 412-078 (T91L-19623-CH)
 <p>ST1233-A</p>	Remover, A/C Compressor Field Coil 412-067 (T89P-19623-FH)
 <p>ST2382-A</p>	Remover, Compressor Pulley 412-001 (T71P-19703-B)



Item	Part Number	Description
1	N805332	A/C clutch disc and hub bolt (4.0L)
1	W711887	A/C clutch disc and hub bolt (4.6L or 5.4L)
2	19D786	A/C clutch disc and hub
3	19D648	A/C clutch disc and hub spacer
4	—	A/C compressor pulley snap ring
5	19D784	A/C compressor pulley
6	19D798	A/C clutch field coil

Removal

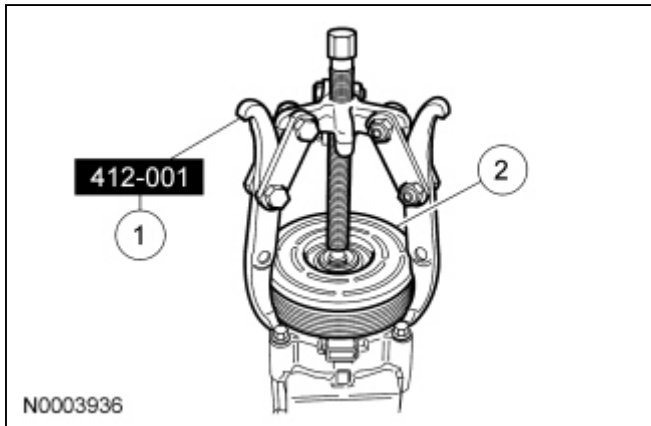
1. Remove the A/C compressor. For additional information, refer to [Air Conditioning \(A/C\) Compressor — 4.0L](#) or [Air Conditioning \(A/C\) Compressor — 4.6L, 5.4L](#) in this section.
2. Remove the A/C clutch disc and hub.
 1. Using the Compressor Clutch Holding Tool, hold the A/C clutch disc and hub.
 2. Remove the A/C clutch disc and hub bolt.



3. Remove the A/C clutch disc and hub.
4. Remove the A/C clutch disc and hub spacer(s).
5. Remove the A/C compressor pulley snap ring.
6. **NOTICE: Do not use air tools. Damage to the air conditioning (A/C) compressor pulley or A/C compressor may result.**

Remove the A/C compressor pulley.

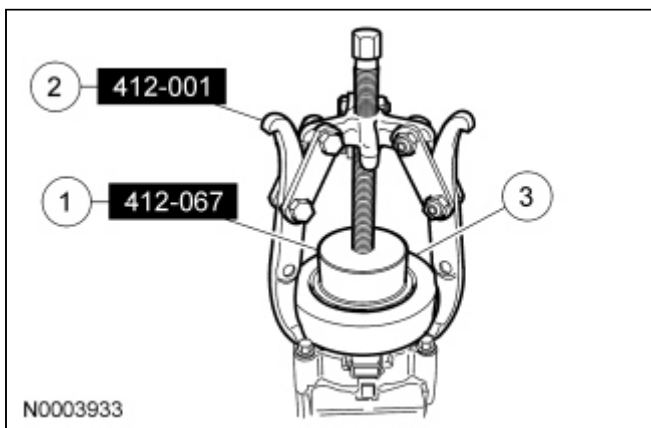
1. Install the Compressor Pulley Remover.
2. Remove the A/C compressor pulley.



7. **NOTICE: Do not use air tools. Damage to the air conditioning (A/C) clutch field coil or A/C compressor may result.**

Remove the A/C clutch field coil.

1. Install the A/C Compressor Field Coil Remover.
2. Install the Compressor Pulley Remover.
3. Remove the A/C clutch field coil.



Installation

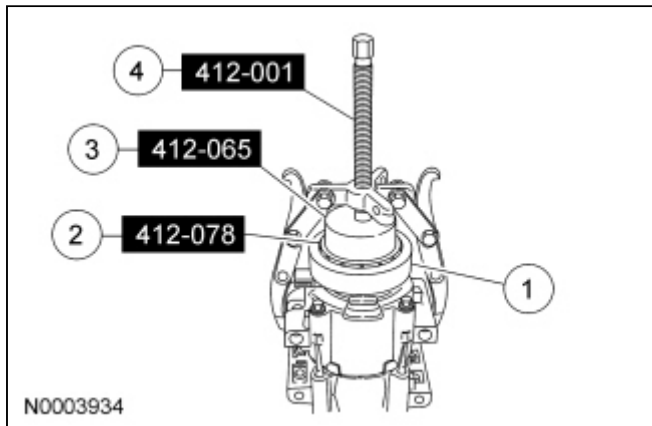
NOTE: A new A/C compressor may come equipped with a clutch and pulley. If not, the A/C clutch components should be reused unless obvious signs of damage are found. If excessive grooving is found, a new A/C clutch disc and hub and A/C compressor pulley must be installed together. Otherwise, each component 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.

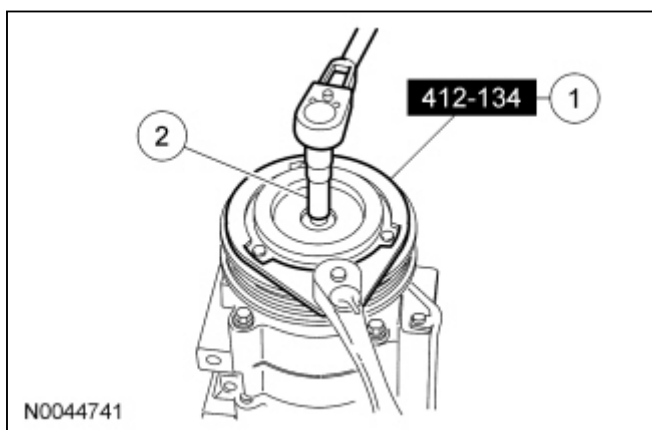
- Inspect for roughness in the A/C compressor pulley bearing.
2. Clean the A/C clutch field coil and pulley mounting surfaces.
 3. **NOTICE: Do not use air tools. Damage to the air conditioning (A/C) clutch field coil or A/C compressor may result.**

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 A/C Compressor Field Coil Installer on the A/C clutch field coil.
3. Place the A/C Compressor Coil Installer on the A/C Compressor Field Coil Installer.
4. Use the Compressor Pulley Remover to install the A/C clutch field coil.



4. Install the A/C compressor pulley.
5. Install the A/C compressor pulley snap ring.
6. Install the A/C clutch disc and hub spacer(s) and the A/C clutch disc and hub.
7. Install the A/C clutch disc and hub bolt.
 1. Hold the A/C clutch disc and hub with the Compressor Clutch Holding Tool.
 2. Tighten to 13 Nm (115 lb-in).



8. Measure and adjust the clutch air gap. For additional information, refer to the A/C clutch air gap adjustment procedure in [Section 412-00](#).
9. 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, 5.4L](#) in this section.

