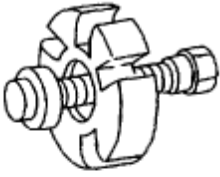

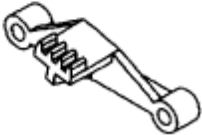


## Service and Repair

[Notes](#)

### Crankshaft Pulley - Supercharged Engines

 <p>ST1286-A</p>	<p><b>Remover, Crankshaft Vibration Damper</b> 303-009 (T58P-6316-D)</p>
 <p>ST1287-A</p>	<p><b>Installer, Crankshaft Vibration Damper</b> 303-102 (T74P-6316-B)</p>
 <p>ST2422-A</p>	<p><b>Locking Tool, Flywheel</b> 303-673</p>

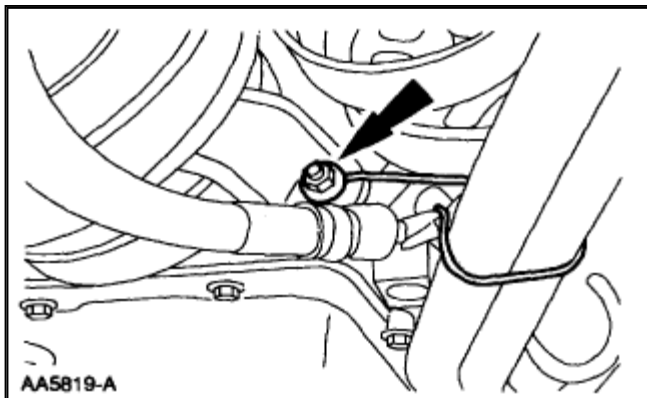
Zoom

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### Special Tool(s)

#### Removal

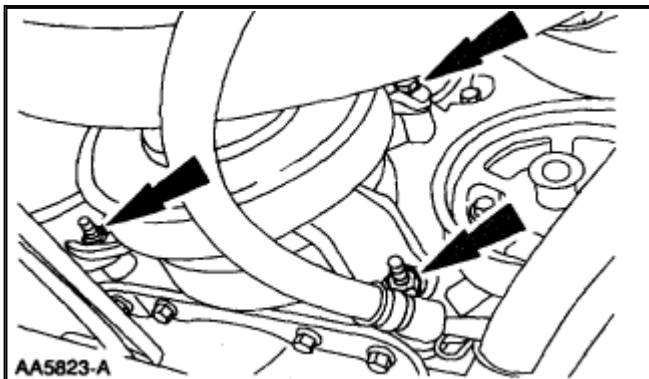
1. Remove the supercharger drive belt.
2. Remove the [fan blade](#), clutch and shroud.
3. Raise the vehicle on a hoist.



Zoom

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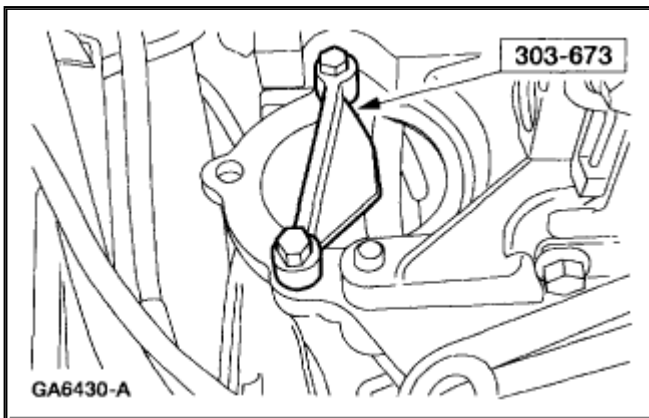
4. Remove the nut and position the shield aside.
5. Remove the transmission cooler line clip.



Zoom

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6. Remove the two nuts and one bolt.
7. Remove the starter motor.

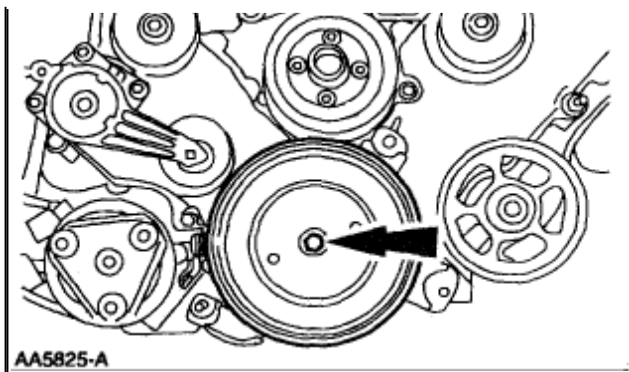


Zoom

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8. Install the special tool.
9. Remove the accessory drive belt.



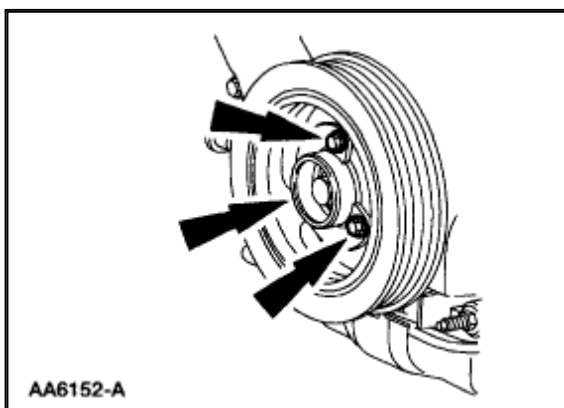


AA5825-A

Zoom

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- 10. **NOTE:** The auxiliary supercharger pulley has left-hand threads. Remove the pulley and brace assembly.

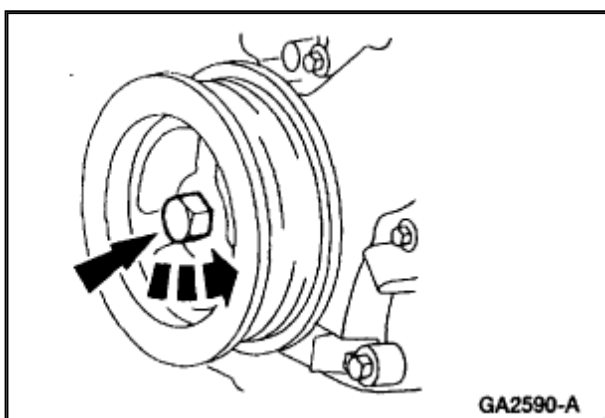


AA6152-A

Zoom

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- 11. Remove the supercharger pulley adapter.

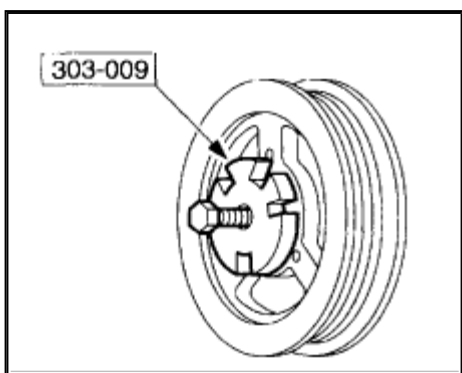


GA2590-A

Zoom

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12. Remove the bolt.



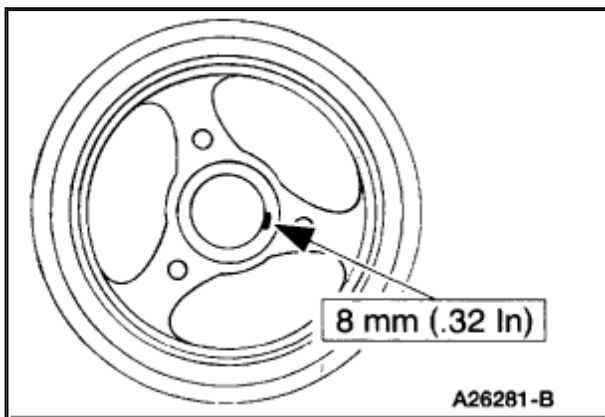
Zoom

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13. Using the special tool, remove the crankshaft pulley.

### Installation

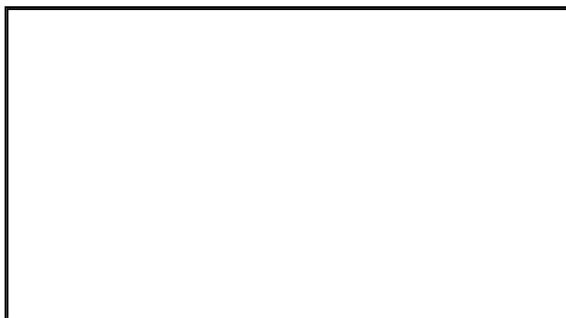
1. **NOTE:** The crankshaft pulley must be installed within four minutes after applying the silicone.

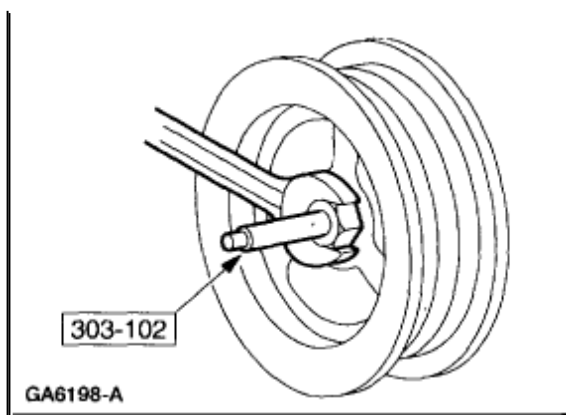


Zoom

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Apply silicone gasket and sealant to the Woodruff key slot on the crankshaft pulley.

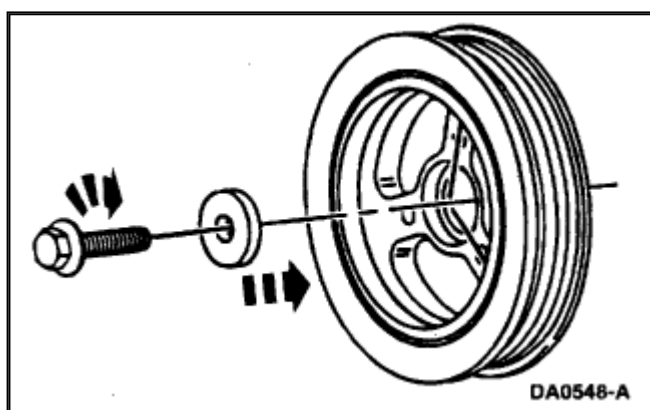




Zoom

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2. Using the special tool, install the crankshaft pulley.



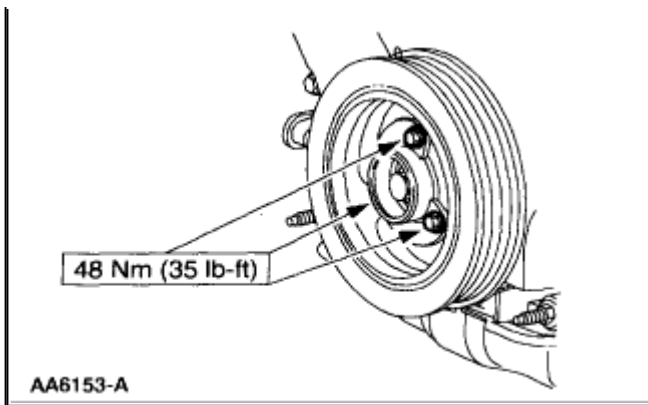
Zoom

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3. Install the bolt and washer. Tighten the bolt in four stages.

- Stage 1: Tighten to **90 Nm (66 ft. lbs.)** .
- Stage 2: Loosen the bolt.
- Stage 3: Tighten to **50 Nm (37 ft. lbs.)** .
- Stage 4: Tighten an additional **85 - 90°** .

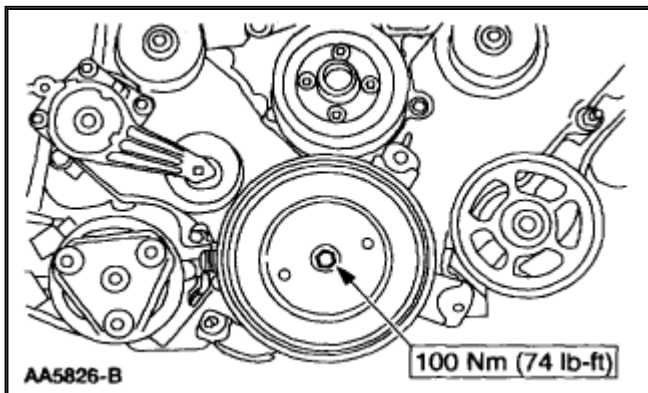




Zoom

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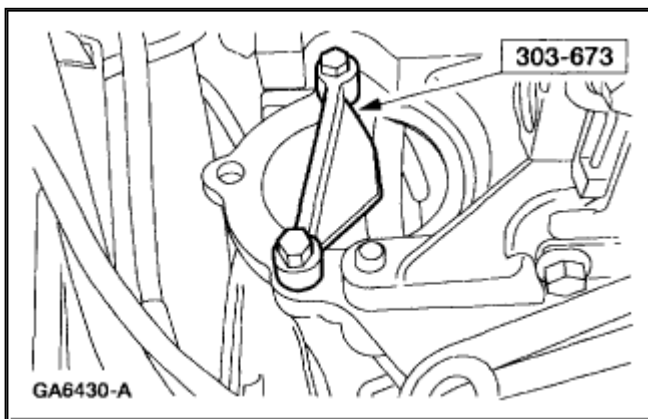
4. Install the supercharger pulley adapter.
5. Install the [drive belt](#).



Zoom

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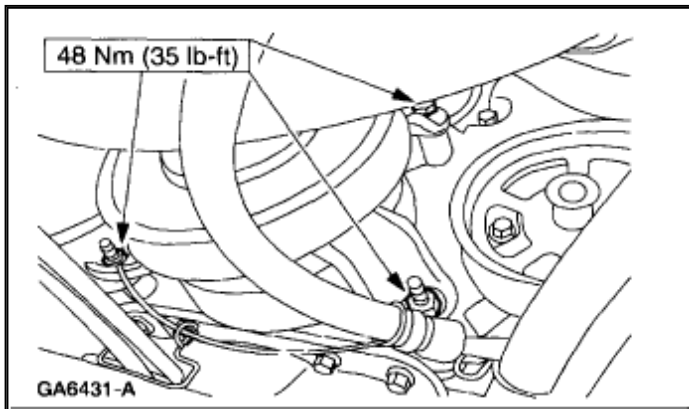
6. **NOTE:** Coat the threads of the supercharger pulley with anti-seize lubricant.  
**NOTE:** The auxiliary supercharger pulley has left-hand threads. Install the pulley and brace assembly.



Zoom

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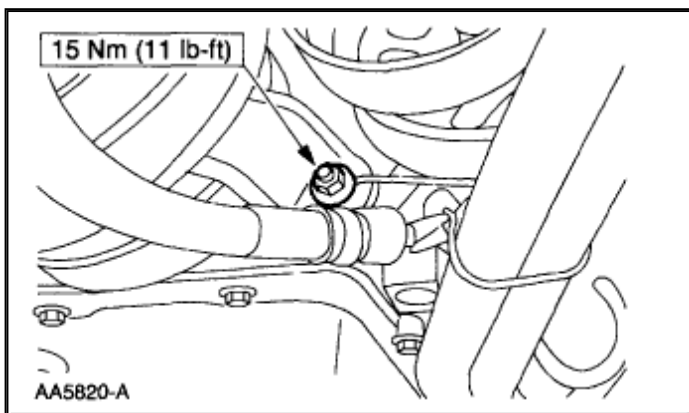
7. Remove the special tool.
8. Install the starter motor.



Zoom

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9. Position the transcooler line clip and install the two nuts and one bolt.



Zoom

Sized for Print

10. Position the shield and install the nut.
11. Lower the vehicle.
12. Install the [fan blade](#), clutch and shroud.
13. Install the [accessory drive belt](#) and the supercharger drive belt.