

Product: EXCAVATOR

Model: 329E EXCAVATOR PTY

Configuration: 329E & 329E L Excavators PTY00001-UP (MACHINE) POWERED BY C7.1 Engine

Disassembly and Assembly C7.1 Engines for Caterpillar Built Machines

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i05909563

Vibration Damper and Pulley - Remove

SMCS - 1205-011

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	-	Guide Stud M14 x 1.5 by 100 mm	1
B	227-4393	E18 Torx Socket	1

Start By:

- A. Remove the alternator belt. Refer to Disassembly and Assembly, "Alternator Belt - Remove and Install" for the correct procedure.

Note: The weight of the assembly of the crankshaft pulley, the vibration damper, and the crankshaft adapter is approximately 22 kg (48 lb).

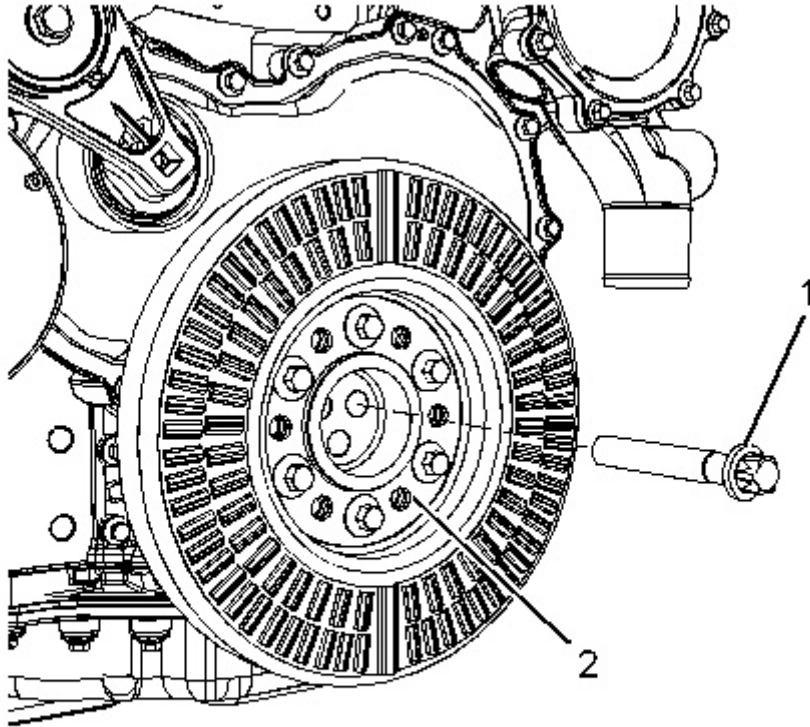


Illustration 1

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1. Use a suitable tool in order to prevent the crankshaft from rotating. Use Tooling (B) to remove one Torx screws (1) from crankshaft pulley assembly (2) .
 2. Install Tooling (A) into crankshaft pulley assembly (2) .
 3. Remove remaining Torx screws (1) from crankshaft pulley assembly (2) .
 4. Remove crankshaft pulley assembly (2) .
 5. Tooling (A) .
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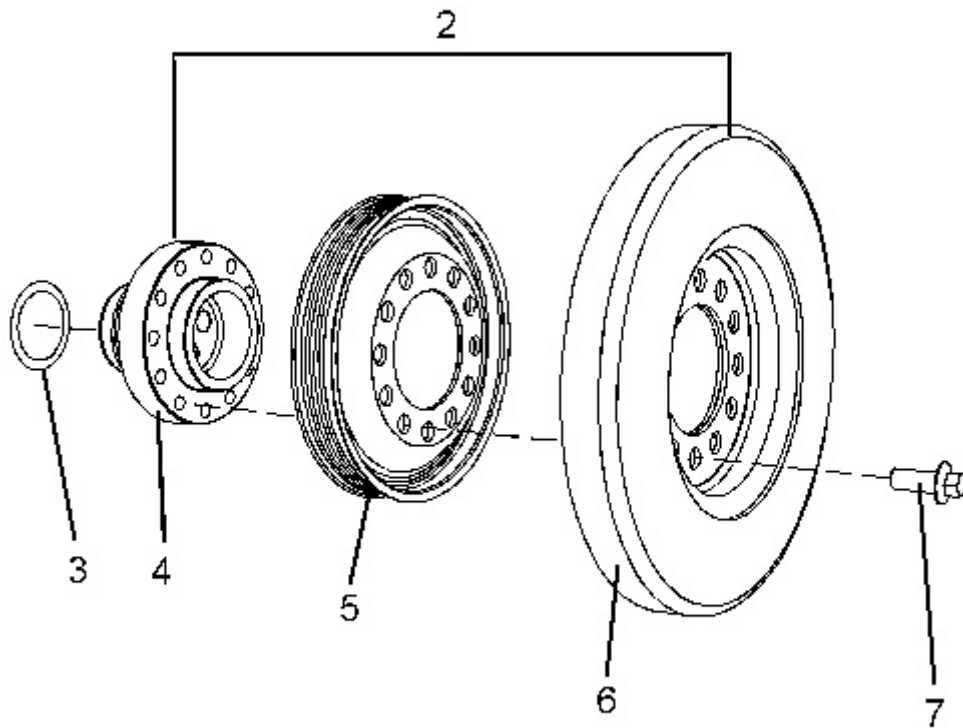


Illustration 2

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6. If necessary, follow Step 6.a through Step 6.b in order to remove friction shim (3) from the crankshaft.
 - a. Remove the front seal from the front cover. Refer to Disassembly and Assembly, "Crankshaft Front Seal - Remove and Install" for the correct procedure.
 - b. Remove friction shim (3) .
 7. If necessary, follow Step 7.a through Step 7.c in order to disassemble vibration damper, crankshaft pulley from crankshaft adapter.
 - a. Place the crankshaft pulley assembly onto a suitable support.
 - b. Remove bolts (7) from crankshaft pulley assembly (2) .
 - c. Remove vibration damper (6) and crankshaft pulley (5) from adapter (4) .
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