

Product: TRACK-TYPE TRACTOR

Model: D6K2 TRACK-TYPE TRACTOR MXK

Configuration: D6K2 TRACK-TYPE TRACTOR MXK00001-UP (MACHINE) POWERED BY C7.1 Engine

Disassembly and Assembly

C7.1 Engines

Media Number -UENR0633-19

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i05292337

Idler Gear - Remove

SMCS - 1206-011

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	230-6284	Timing Pin (Camshaft)	1
B	136-4632	Timing Pin (Crankshaft)	1
	268-1966	Adapter	1
C	298-5564	T40 Torx Socket	1

Start By:

- a. Remove the front cover. Refer to Disassembly and Assembly, "Front Cover - Remove and Install" for the correct procedure.
- b. Remove the valve mechanism cover. Refer to Disassembly and Assembly, "Valve Mechanism Cover - Remove and Install" for the correct procedure.

Note: Care must be taken in order to ensure that the fuel injection pump timing is not lost during the removal of the idler gear. Carefully follow the procedure in order to remove the fuel pump gear.

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

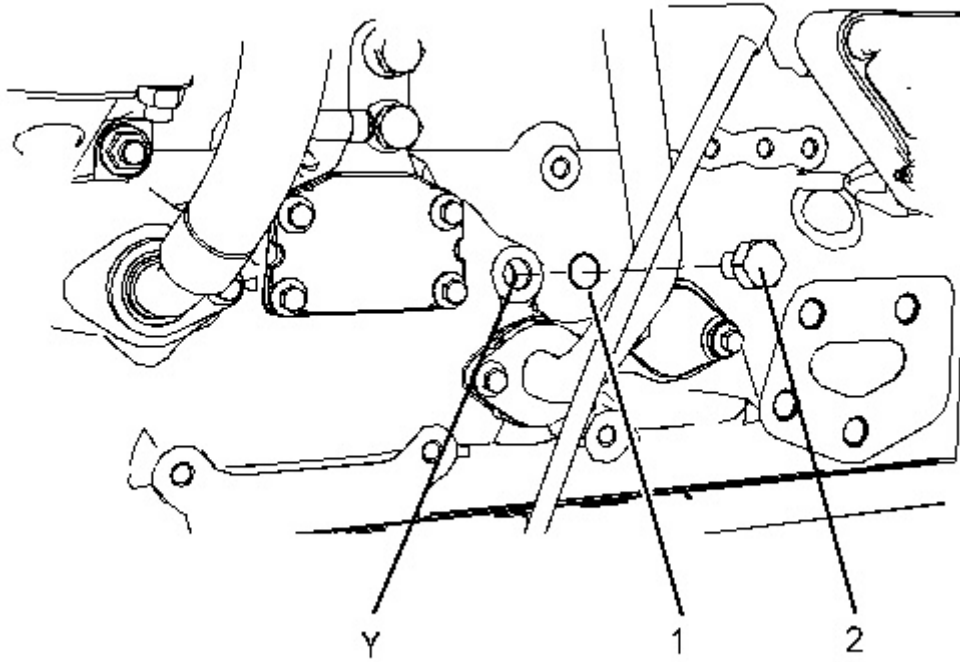


Illustration 1

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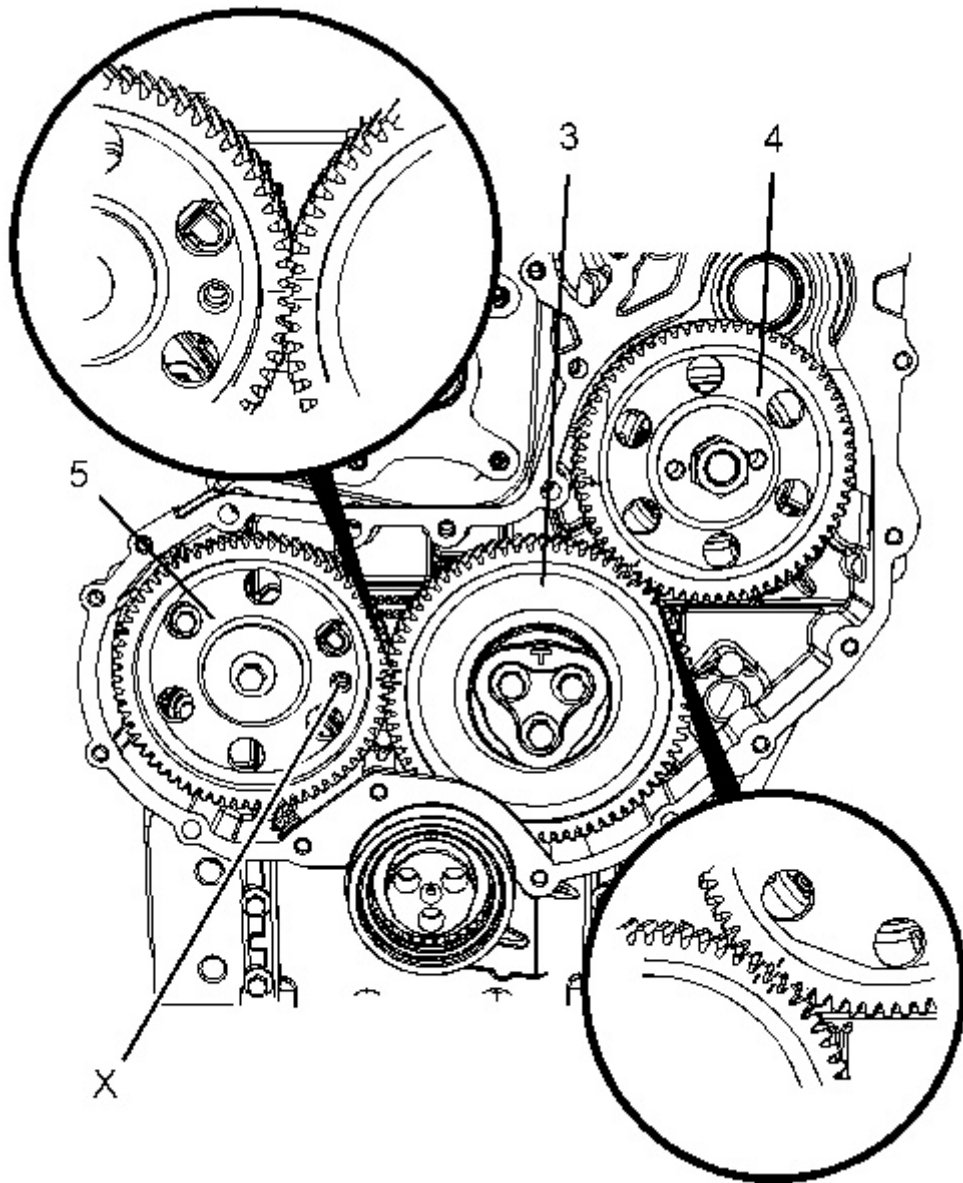


Illustration 2

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1. Remove plug (2) from the cylinder block and remove O-ring seal (1) from the plug.
2. Rotate the crankshaft so that number one piston is at top dead center on the compression stroke. Refer to System Operation, Testing and Adjusting, "Finding Top Center Position for No.1 Piston" for the correct procedure.
3. Install Tooling (B) into Hole (Y) in the cylinder block. Use Tooling (B) in order to lock the crankshaft in the correct position.
Note: Do not use excessive force to install Tooling (B). Do not use Tooling (B) to hold the crankshaft during repairs.
4. Install Tooling (A) into Hole (X) in camshaft gear (3). Use Tooling (A) in order to lock the camshaft in the correct position.
5. Mark gear (3), gear (4), and gear (5) in order to show alignment. Refer to Illustration 2.

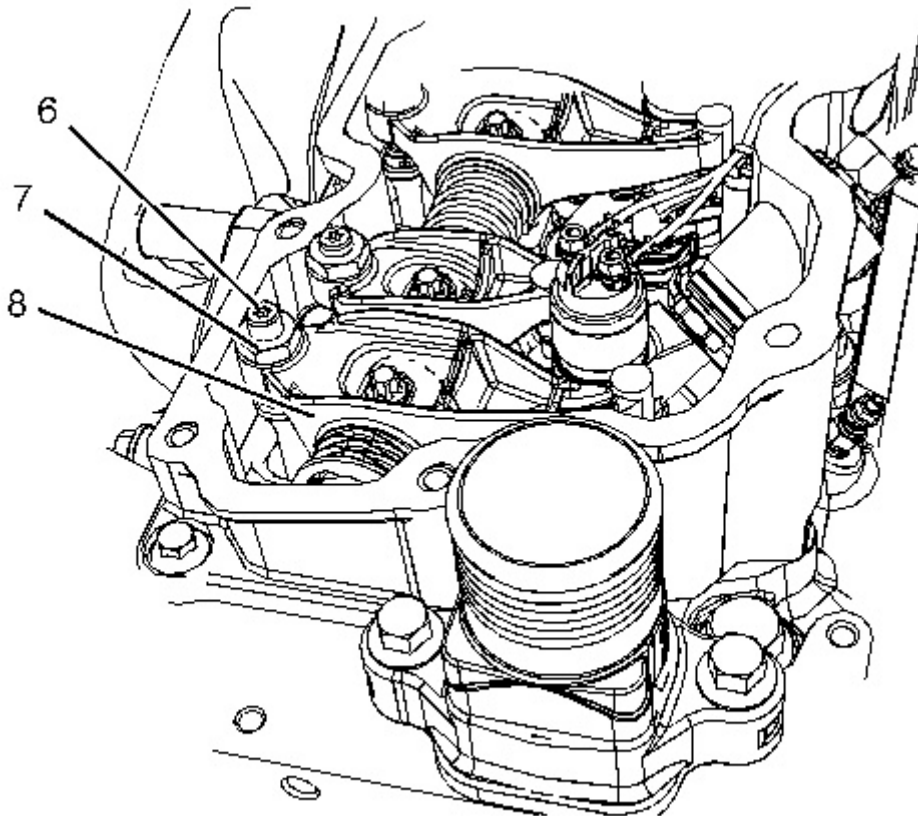


Illustration 3

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6. Loosen nuts (7) on all rocker arms (8). Use Tooling (C) in order to loosen adjusters (6) on all rocker arms (8). Unscrew adjusters (6) on all rocker arms (8) until all valves are fully closed.

Note: Failure to ensure that ALL adjusters are fully unscrewed can result in contact between the valves and pistons.

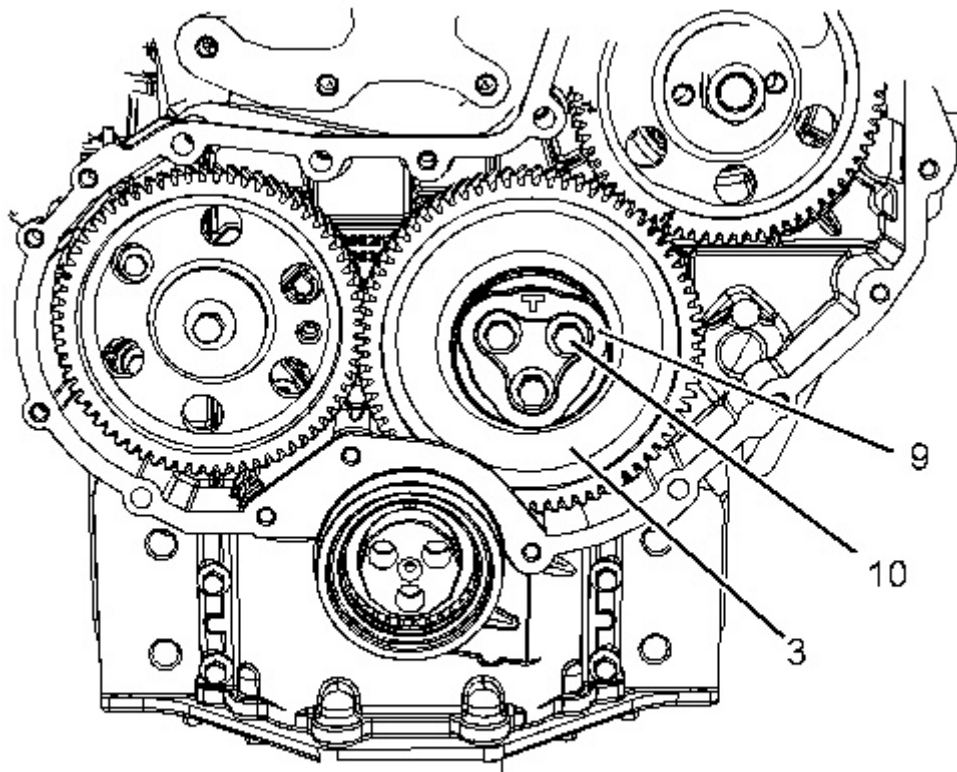


Illustration 4

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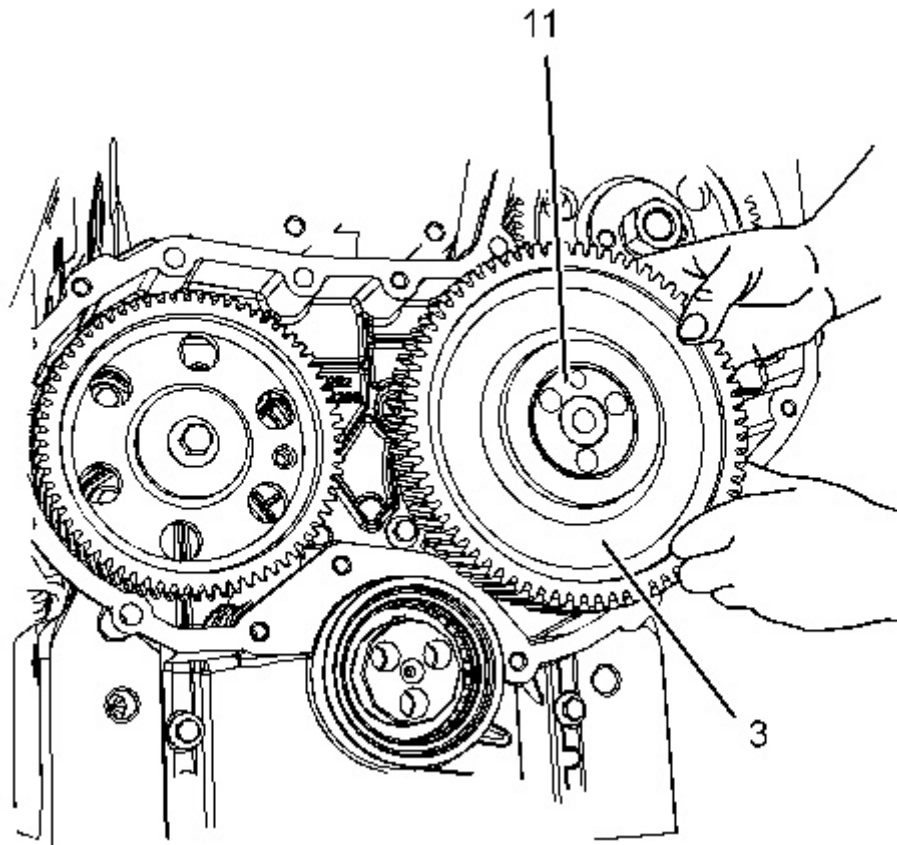


Illustration 5

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7. Mark plate (9) in order to show orientation.

Note: Identification will ensure that the plate can be installed in the original orientation.

8. Remove bolts (10).

9. Remove plate (9).

10. Remove the assembly of idler gear (3).

11. Remove hub (11) from idler gear (3).

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