



Service Repair Manual

Models

D9T TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D9T TRACK-TYPE TRACTOR REX

Configuration: D9T TRACK-TYPE TRACTOR REX00001-UP (MACHINE) POWERED BY C18 Engine

Disassembly and Assembly C15 and C18 Engines for Caterpillar Built Machines

Media Number -UENR0132-11

Publication Date -01/08/2015

Date Updated -03/04/2018

i06902195

Front Cover - Remove and Install

SMCS - 1166-010

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	193-9199	Socket As	1
B	-	LOCTITE 263	-
	-	LOCTITE 270 ⁽¹⁾	-

⁽¹⁾ Europe Only

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

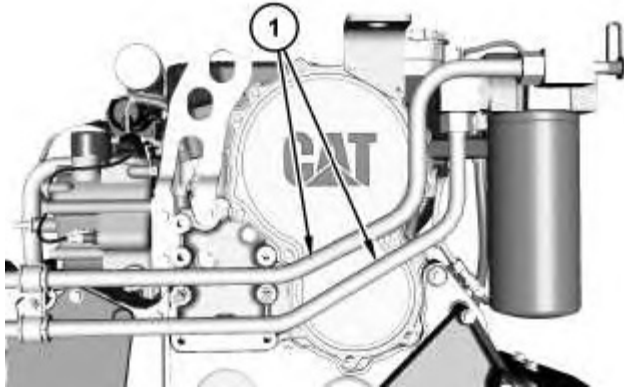


Illustration 1

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1. Remove tube assemblies (1).

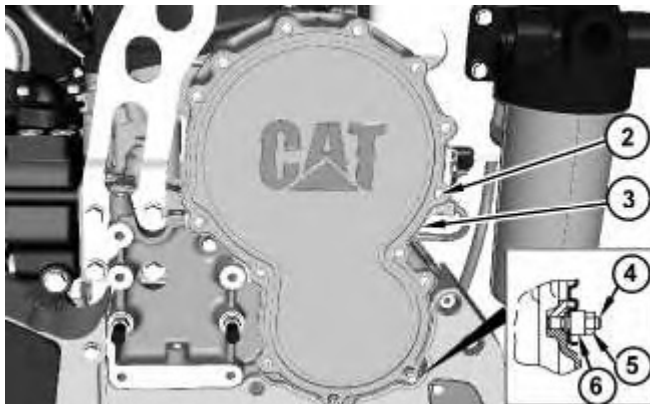


Illustration 2

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2. Use Tooling (A) to remove button head screws (2).
3. Remove nuts (5) and spacers (6) from studs (4).
4. Remove front cover (3) from the front housing. Remove the seal from the front cover.

Installation Procedure

1. Install the front cover in reverse order.
 - a. Tighten button head screws (2) to a torque of 21 ± 3 N·m (186 ± 27 lb in).
 - b. Apply Tooling (B) to studs (4) prior to installation.

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i05949761

Gear Group (Front) - Remove and Install

SMCS - 1206-010

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-0510	Driver Gp	1
B	8T-2998	Lubricant	-
C	8T-9022	Silicone Gasket	-
D	9S-3263	Thread Lock Compound	-

Start By:

- a. Remove the front housing.
- b. Remove the air compressor, if necessary.
- c. Remove the water pump, if necessary.

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

NOTICE

Do not turn the crankshaft or the camshaft while the camshaft gear is removed. If the front gear group is not correctly timed during installation, interference can occur between the pistons and the valves, resulting in damage to the engine.

Note: Be sure to mark the orientation of each of the gears for installation purposes.

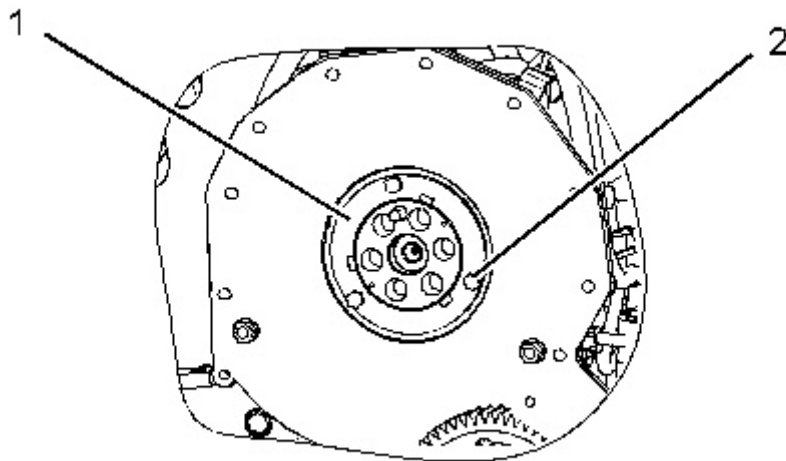
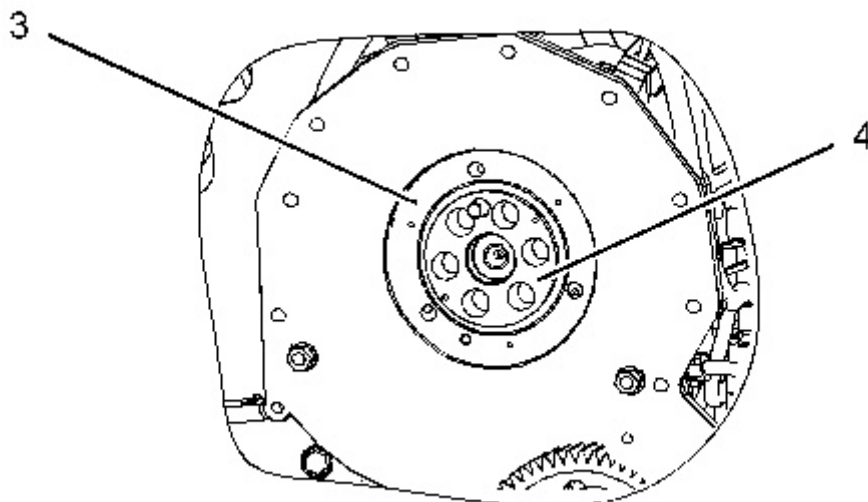


Illustration 1

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1. Remove bolts (2) and thrust plate (1).
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