



Service Repair Manual

Models

D8K TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D8K TRACK-TYPE TRACTOR 76V

Configuration: D8K TRACTOR / DIRECT DRIVE / 76V00505-UP (MACHINE) POWERED BY 342 ENGINE

Disassembly and Assembly N3 Series Brushless Alternators

Media Number -SEN2082-01

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i01688999

Alternator - Disassemble

SMCS - 1405-015

Disassembly Procedure

Start By:

- A. Remove the alternator from the machine. Refer to Disassembly and Assembly, "Alternator - Remove" for the machine that is being serviced.

Note: Before disassembly, clean the exterior of the alternator in order to prevent dirt from entering the unit.

Table 1

Tooling that is needed		A	B	C
	Soldering iron (180 watt)			
	Vise or clamping support with vee blocks			
	Press			
6V-2166	Puller Group	1		
5F-7465	Puller			1
9S-9152	Bearing Pulling Attachment			1
1P-0456	Spacer			1
5B-9603	Bolt (3/8 - 16 NC)			2
5M-2894	Washer (3/8 inch flat)			2
1P-0074	Slide Hammer Puller Group		1	
2P-2312	Legs		2	

	5/8 - 18 Hardened Flat Washer		1	
	5/8 - 18 Jam Nut		1	

The following disassembly procedure shows the disassembly of the N3 series alternator (35 amperes).

NOTICE

**Care must be taken in the following step not to damage the alternator.
Do not overtighten the vise.**

1. Position the alternator in a vise or a similar clamping device.
2. Remove the following components: the pulley nut, the pulley and the fan.



Illustration 1

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3. Remove the two screws (1). Then remove the regulator cover.
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Illustration 2

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4. Remove the nut from the "D+" terminal (2) .
5. Disconnect the lead for the suppression capacitor (3) .
6. Remove the two screws (4) that mount the regulator.

Note: The step may be unnecessary, if the component will not be tested or replaced.

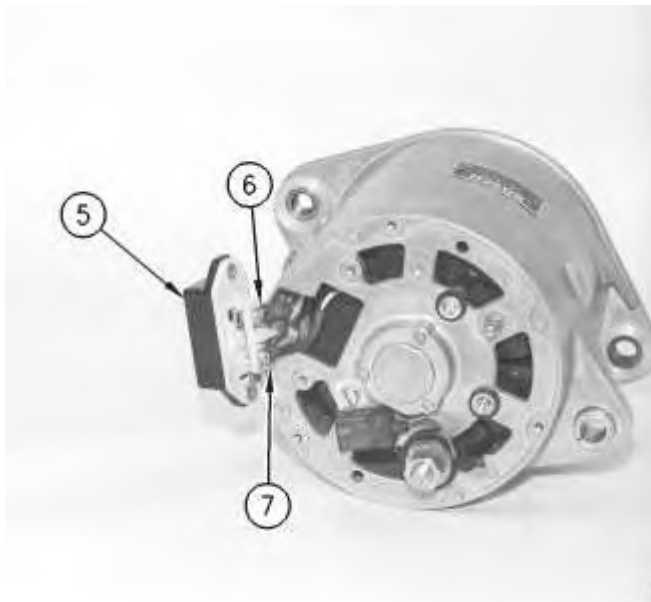


Illustration 3

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7. Pull the regulator (5) partially away from the frame. This will expose the terminals for the regulator. The terminals for the regulator are the "D+" (7) and the "DF" terminals (6) .

8. Disconnect the two leads for the "D+" terminal (7). Disconnect the one lead for the "DF" terminal (6) .



Illustration 4

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9. Mark the following components with a marker for proper alignment during assembly: front frame, stator, end frame and drive end housing face



Illustration 5

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10. Remove the four hex socket head bolts (8). Separate the drive end housing face (9) and the rotor as an assembly from the rear housing (10) and the stator frame (11) .

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