



Service Repair Manual

Models

D7E TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D7E TRACK-TYPE TRACTOR HKA

Configuration: D7E TRACK-TYPE TRACTOR HKA00001-UP (MACHINE) POWERED BY C9.3 Engine

Disassembly and Assembly D7E Track-Type Tractor Power Train

Media Number -UENR4067-00

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i06252877

Electric Drive Propulsion Module - Disassemble

SMCS - 3030-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1U-5750	Engine Stand	1
	322-3968	Adapter As	1
B	138-7574	Link Brackets	3
C	138-7575	Link Brackets	4
D	1U-6400	Three Jaw Puller	1
E	1P-0520	Driver Gp	1
F	1P-1863	Retaining Ring Pliers	1
G	6V-3010	Puller Gp	1
	126-7177	Puller Legs	2
	126-7181	Sliding Plates	4
	6B-6684	Full Nuts	2
H	4C-5653	Threaded Adapters	2
J	1P-0510	Driver Gp	1
K	1P-1859	Retaining Ring Pliers	1
L	1P-1853	Retaining Ring Pliers	1

M	5P-5197	Retaining Ring Pliers As	1
N	4C-5649	Adapter	1
P	1P-0074	Slide Hammer Puller Gp	1
R	156-7100	Slide Hammer Puller Gp	1
S	136-1452	Retaining Ring Pliers As	1
T	8H-0663	Bearing Puller Gp	1
W	138-7573	Link Brackets	2
X	154-6182	Forcing Bolts	3
Y	1P-1843	Bearing Puller Adapter	1
Z	154-6181	Forcing Screws	4
AA	1U-7600	Slide Hammer Puller Gp	1
BB	188-1456	Eyebolt	1
CC	320-9895	Installer	1

Start By:

- A. Remove the electric drive propulsion module.
- B. Remove the brake control valve.
- C. Remove the piston motor.

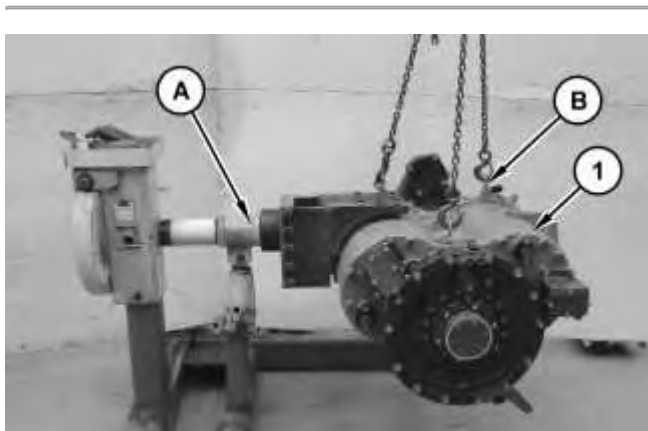


Illustration 1

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1. Attach Tooling (B) and a suitable lifting device to electric drive propulsion module (1) . The weight of electric drive propulsion module (1) is approximately 1225 kg (2700 lb).
2. Attach electric drive propulsion module (1) to Tooling (A) .



Illustration 2

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3. Remove covers (2) and (3) .

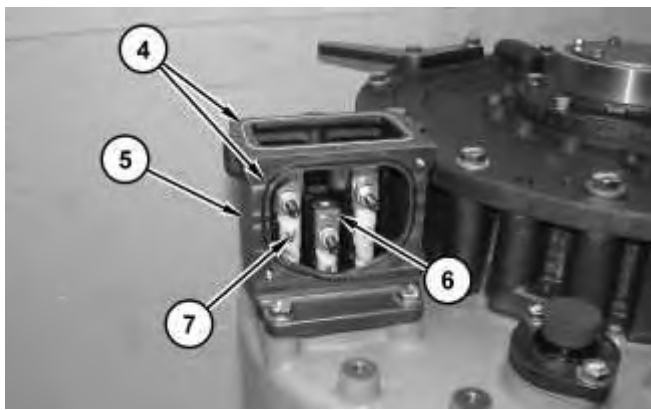


Illustration 3

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4. Remove O-ring seals (4) . Disconnect cable assemblies (7) . Remove terminal blocks (6) . Remove housing (5) . Repeat for the other side.

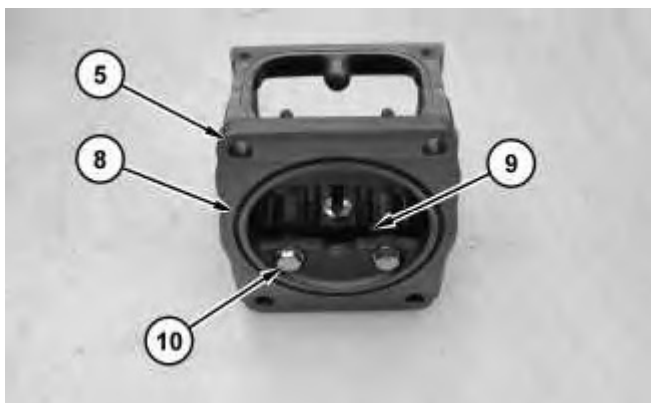


Illustration 4

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5. Remove O-ring seal (8) from housing (5) . If necessary, remove bolts (10) and terminal assembly (9) . Repeat for the other housing.

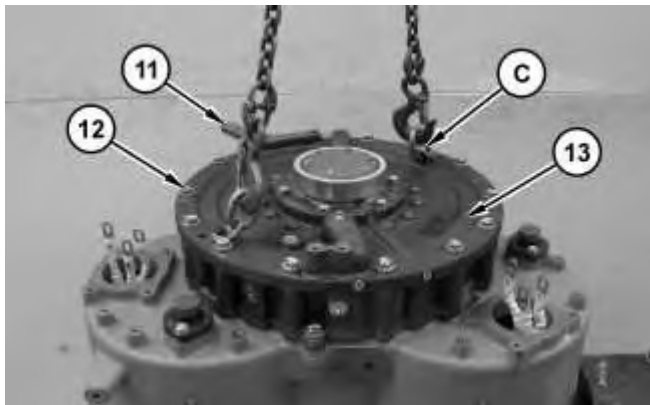


Illustration 5

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 **WARNING**

Personal injury can result from being struck by parts propelled by a released spring force.

Make sure to wear all necessary protective equipment.

Follow the recommended procedure and use all recommended tooling to release the spring force.

6. Attach Tooling (C) and a suitable lifting device to cover assembly (13) . The weight of cover assembly (13) is approximately 68 kg (150 lb).
 7. Loosen bolts (12) slowly and loosen the bolts evenly in order to partially release the spring tension in the brake housing. After the spring tension has been released, remove bolts (12) , plate (11) , and cover assembly (13) .
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