

Product: TRACK-TYPE TRACTOR

Model: D7E LGP TRACK-TYPE TRACTOR TJA

Configuration: D7E TRACK-TYPE TRACTOR LGP TJA00001-UP (MACHINE) POWERED BY C9.3 Engine

Disassembly and Assembly D7E Track-Type Tractor Power Train

Media Number -KENR5606-03

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i06007078

Recoil Cylinder - Disassemble

SMCS - 4151-015

Disassembly Procedure

Start By:

- A. Remove the track adjuster and the recoil cylinder.

Table 1

| Required Tools | | | |
|----------------|-------------|-------------------------|-----|
| Tool | Part Number | Part Description | Qty |
| A | 152-4252 | Hydraulic Repair Bench | 1 |
| B | 175-5507 | Nitrogen Charging Group | 1 |
| | 338-0500 | Regulator Assembly | 1 |
| | 346-3622 | Relief Valve | 1 |
| C | 8T-0372 | Bolt | 2 |
| D | 1H-3109 | Leg | 1 |
| | 5F-9887 | Adapter | 1 |
| | 5P-4807 | Cap | 1 |
| | - | 1 1/2" Socket 1" Drive | 1 |
| E | 9U-5919 | Spanner | 1 |
| | 209-6756 | Clamp As | 1 |
| | 4J-2620 | Wear Ring | 2 |
| | 9X-3579 | Wear Ring | 2 |

| | | | |
|---|---------|--------------------|---|
| | 8T-7850 | Wear Ring | 2 |
| F | FT-3233 | Spanner Wrench As. | 1 |
| | 5P-3521 | Pin | 3 |
| | 5P-3522 | Pin | 3 |

 **WARNING**

High pressure cylinder. Parts can separate with explosive force if proper care is not used during disassembly.

This can cause injury or death.

Do not disassemble any part of this cylinder until you have read and understand the instructions given in the service manual. Observe the instructions given in the service manual.

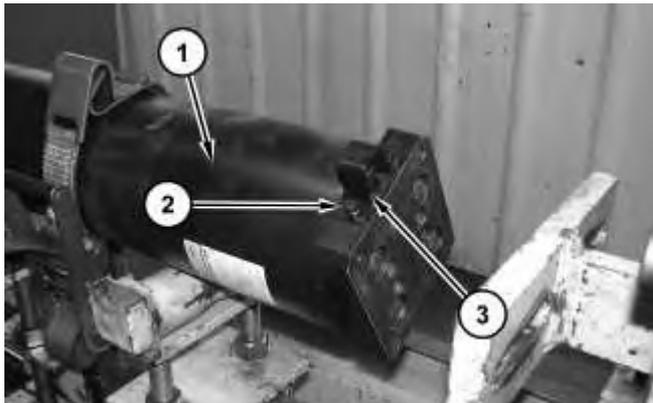


Illustration 1

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1. Secure cylinder (1) to the hydraulic repair bench.
2. Remove bolts (2) and guard (3) .

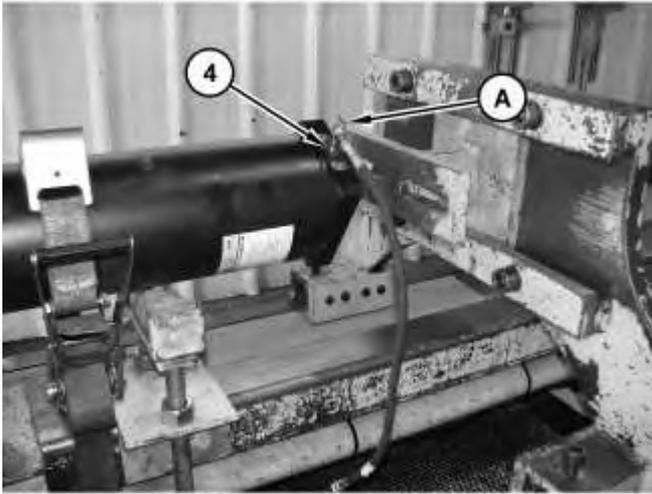


Illustration 2

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3. Attach Tooling (A) to valve (4) . Slowly vent the nitrogen from the cylinder, until all pressure is released. Refer to Special Instruction, REHS5464, "Accumulator Discharging and Charging Procedures" for further information.

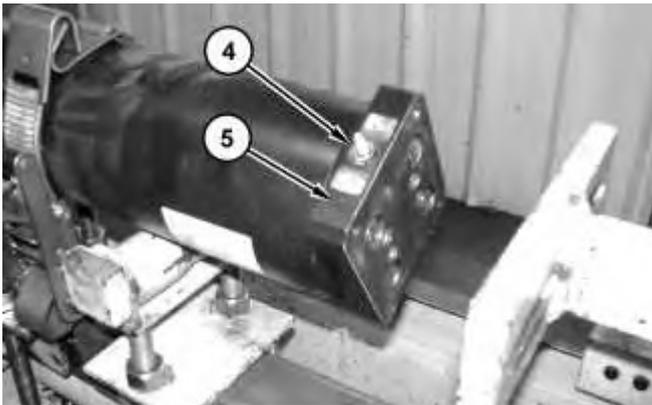


Illustration 3

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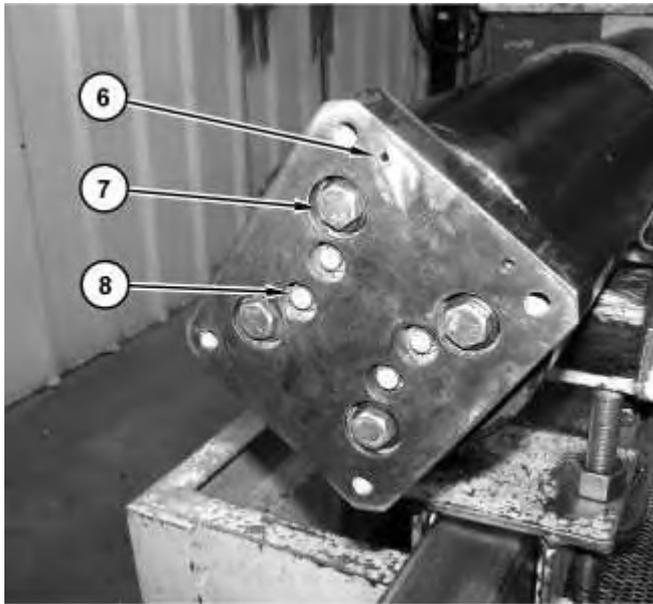


Illustration 4

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4. After all the pressure is released from the recoil cylinder, remove valve (4) from manifold (5) .
5. Remove bolts (7) , bolts (8) , manifold (5) , and spring pin (6) .

Note: Cylinder groups that do not include spring pin (6) or holes for spring pin (6) Refer to Special Instruction, REHS8537, "Installation Procedure for Installing Spring Pins in the Recoil Cylinder of Certain D7E Track-Type Tractors".

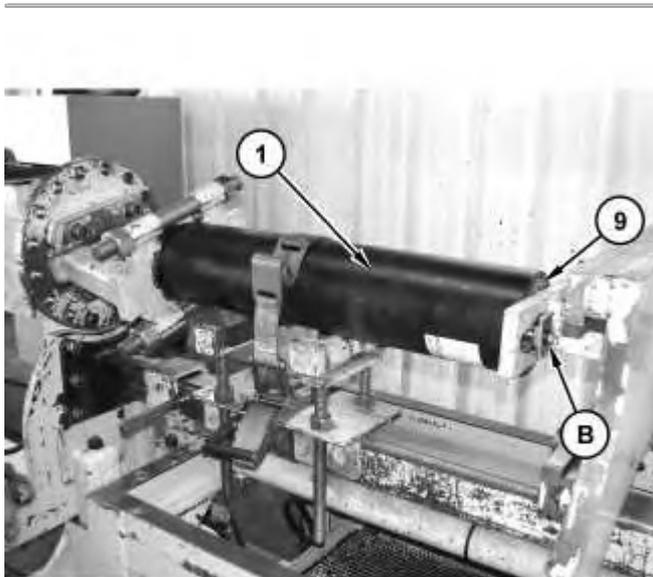


Illustration 5

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6. Secure cylinder (1) to the hydraulic repair bench. Use Tooling (B) and the hydraulic repair bench to remove head assembly (9) from cylinder (1) .

Note: Some oil will drain during this step.

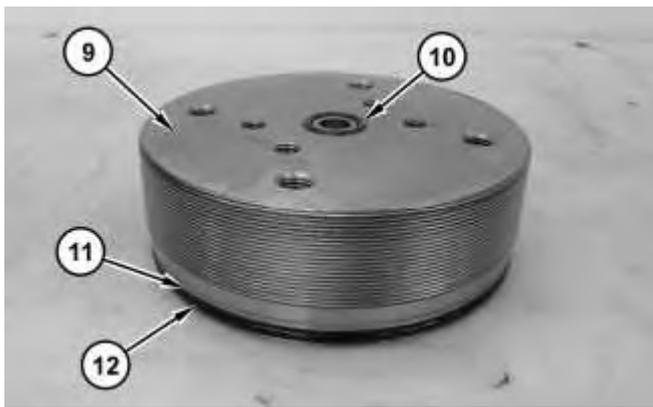


Illustration 6

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7. Remove O-ring seal (10) , O-ring seal (12) , and backup ring (11) from head assembly (9) .

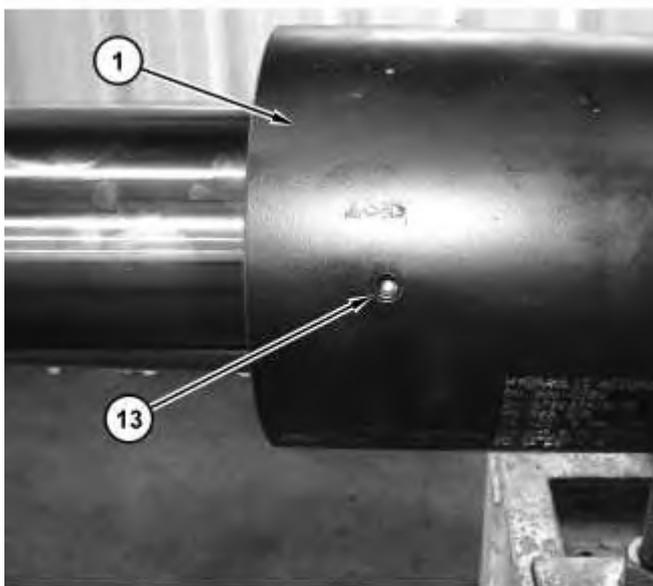


Illustration 7

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8. Remove plug (13) from cylinder (1) .
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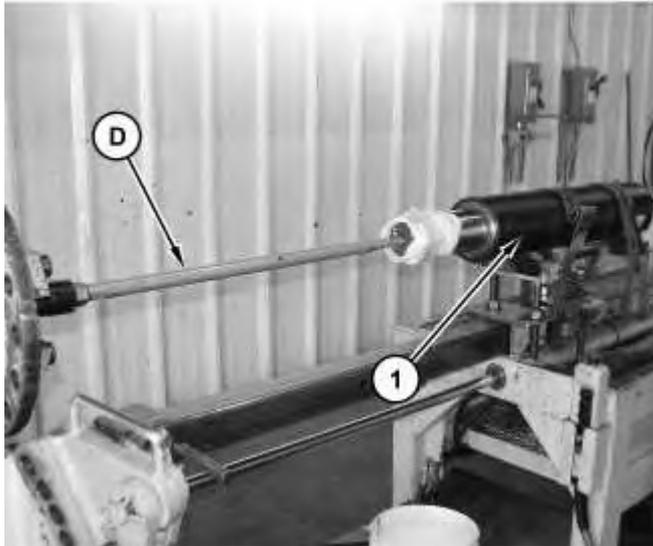


Illustration 8

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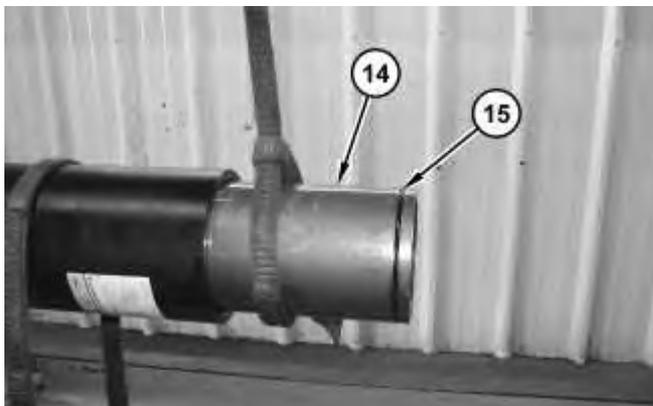


Illustration 9

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9. Reorient and secure cylinder (1) to the hydraulic repair bench.
 10. Use Tooling (D) and the hydraulic repair bench to push the rod assembly until spacer (14) can be removed.
Note: To prevent damage to cylinder (1) wrap Tooling (D) with padding (as shown).
 11. Remove spacer (14) from the cylinder.
 12. Remove O-ring seals (15) from spacer (14) .
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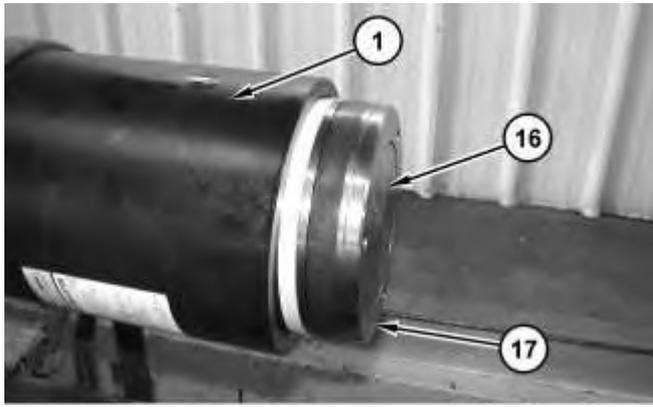


Illustration 10

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13. Remove rod assembly (16) and piston assembly (17) from cylinder (1) .
14. Inspect Cylinder (1) for any internal damage. Refer to Specifications, "Recoil Cylinder" for more information.

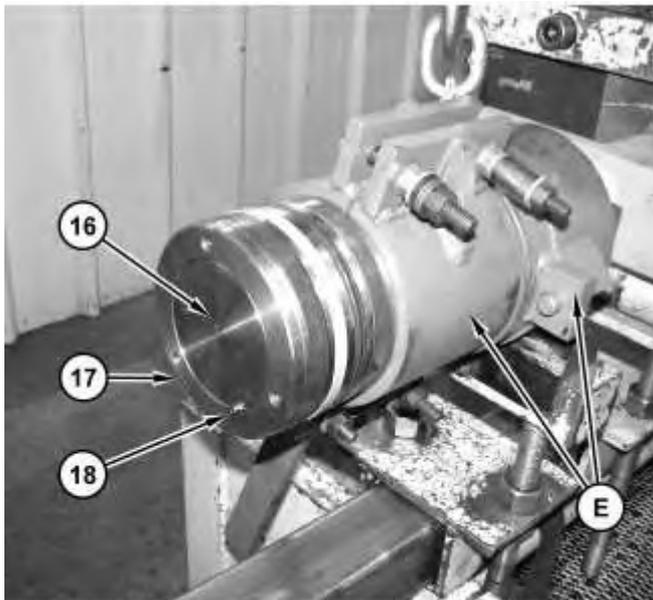


Illustration 11

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15. Secure rod assembly (16) , piston assembly (17) , and Tooling (E) to the hydraulic repair bench.
16. Remove spring pin (18) from between rod assembly (16) and piston assembly (17) .

Note: Cylinder groups that did not include a spring pin or setscrew (18) or had a spring pin previously installed Refer to Special Instruction, REHS8537, "Installation Procedure for Installing Spring Pins in the Recoil Cylinder of Certain D7E Track-Type Tractors".

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