



# Service Repair Manual

## **Models**

320D2L Excavator

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**Contamination of the hydraulic system with foreign material will reduce the service life of the hydraulic system components.**

**To prevent contaminants from entering the hydraulic system, always plug or cap the lines, fittings, or hoses as they are disconnected. Cover any disassembled components and clean them properly before assembly.**

**Clean the hydraulic system properly after any major component exchange or especially after a component failure, to remove any contamination.**

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1. Drain the oil from the final drive into a suitable container for storage or disposal.

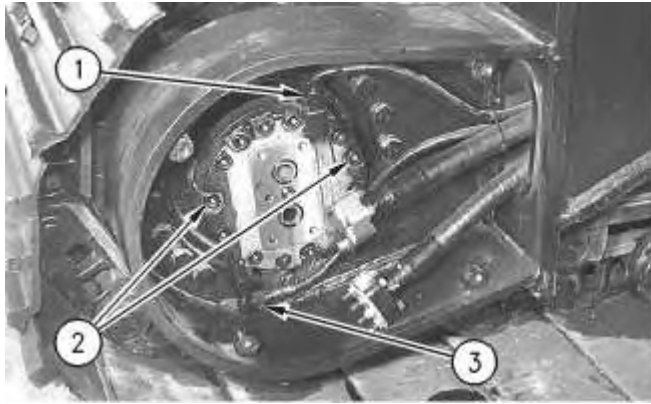


Illustration 1

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2. Disconnect hose assemblies (1) and (3) . Remove two bolts (2) .

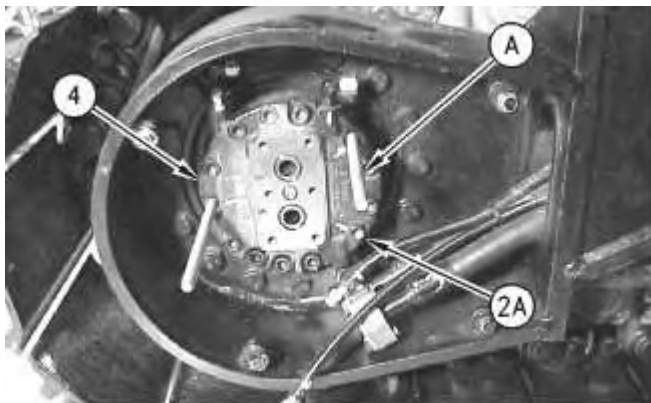


Illustration 2

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3. Install Tooling (A) in the place of bolts (2) .

4. Remove remaining bolt (2A) that secures travel motor (4) to the final drive.

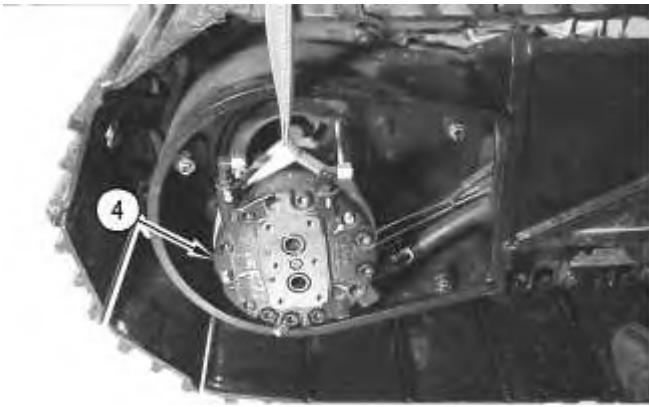


Illustration 3

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5. Attach a suitable lifting device to travel motor (4) . The weight of travel motor (4) is approximately 57 kg (125 lb). Carefully pull travel motor (4) out of the final drive.



Illustration 4

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6. Remove O-ring seal (5) from the travel motor.

Product: EXCAVATOR

Model: 320D2 L EXCAVATOR HDM

Configuration: 320D2 & 320D2 L Excavators HDM00001-UP (MACHINE) POWERED BY C7.1 Engine

## **Disassembly and Assembly 320D2 Excavator Machine Systems**

Media Number -UENR3252-09

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i01219550

### **Travel Motor - Disassemble**

SMCS - 4351-015

S/N - DFM1-UP

S/N - DNP1-UP

S/N - EAL1-UP

S/N - EKT1-UP

S/N - ESG1-UP

S/N - FKK1-UP

S/N - GBA1-UP

S/N - HDM1-UP

S/N - JFM1-UP

S/N - KHR1-UP

S/N - LMA1-UP

S/N - NBT1-UP

S/N - RDZ1-10499

S/N - SDZ291-UP

S/N - STN1-10099

S/N - TGJ1-UP

S/N - TMF1-UP

S/N - WDJ1-UP

S/N - XAN1-UP

S/N - XBB1-UP

S/N - XCC1-UP

S/N - YEA1-UP

S/N - ZBD1-UP

S/N - ZCS1-UP

## Disassembly Procedure

### Start By:

- a. Remove the travel motor.

**Reference:** Refer to Disassembly and Assembly, "Travel Motor - Remove" in this manual.

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### NOTICE

**Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.**

**Refer to Special Publication, NENG2500, "Caterpillar Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Caterpillar products.**

**Dispose of all fluids according to local regulations and mandates.**

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1. Thoroughly clean the outside of the travel motor prior to disassembly.
  2. Fasten the travel motor to a suitable holding fixture in a vertical position. The weight of the travel motor is 60 kg (132 lb).
  3. Put an alignment mark across the head and the body of the travel motor for assembly purposes. The head must be reinstalled in the head's original position on the body of the travel motor.
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