



# Service Repair Manual

## **Models**

**320, 320L TRACK-TYPE  
EXCAVATOR**

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Product: EXCAVATOR

Model: 320 L EXCAVATOR 1TL

Configuration: 320, 320L TRACK-TYPE EXCAVATORS 1TL00001-UP (MACHINE) POWERED BY 3116 ENGINE

## Disassembly and Assembly

### 446 and 446B Backhoe Loaders, Lexion 450 Combine, 3114 and 3116 Engines, IT18F Integrated Toolcarrier, D6M Track-Type Tractor and 928F, 950F and 950G Wheel Loaders

Media Number -SEN3611-18

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i01928381

## Governor - Remove

SMCS - 1264-011

## Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	136-4149	Governor Pliers <sup>(1)</sup>	1

<sup>(1)</sup> This tool is part of the 128-8822 Fuel System and Governor Tool Group.

### Start By:

- Remove the fuel shutoff solenoid. Refer to Disassembly and Assembly, "Fuel Shutoff Solenoid - Remove and Install".

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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, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat products.

Dispose of all fluids according to local regulations and mandates.

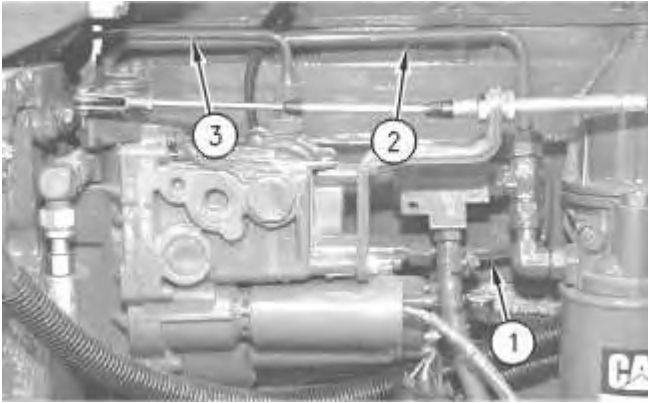


Illustration 1

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1. Disconnect the governor control cable.
2. Remove oil tube assembly (1). Remove tube assembly (2) and tube assembly for fuel ratio control (3), if equipped. Plug and cap all connections.



Illustration 2

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3. Remove clip (4).
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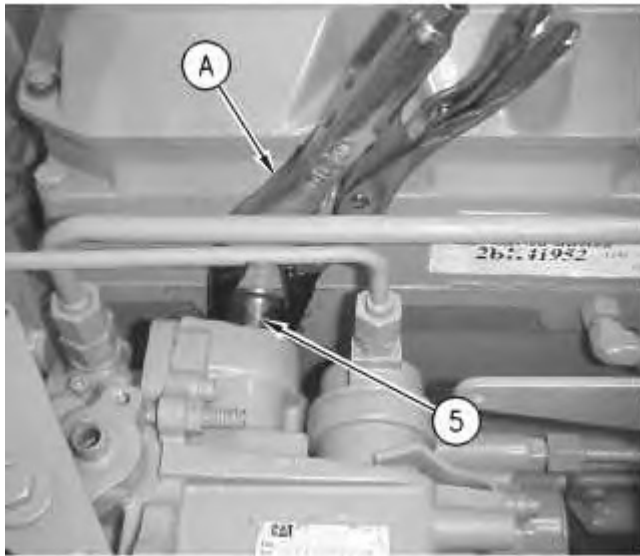


Illustration 3

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4. Use Tooling (A) to slide tube assembly (5) into the cylinder head.

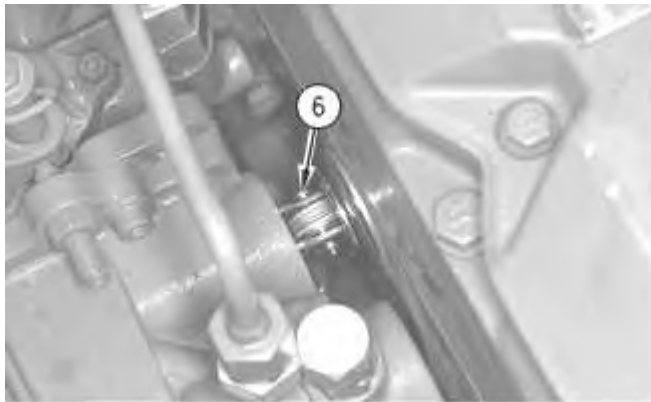
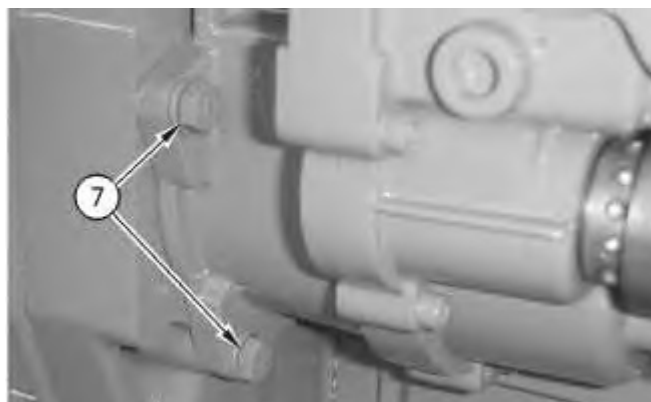


Illustration 4

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5. Remove the clip and use Tooling (A) to remove the clevis pin (6).

**Note:** Clevis pin (6) must stay with the governor in order to be adjusted.



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Illustration 5

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6. Remove bolts (7) and the washers that hold the governor in position.

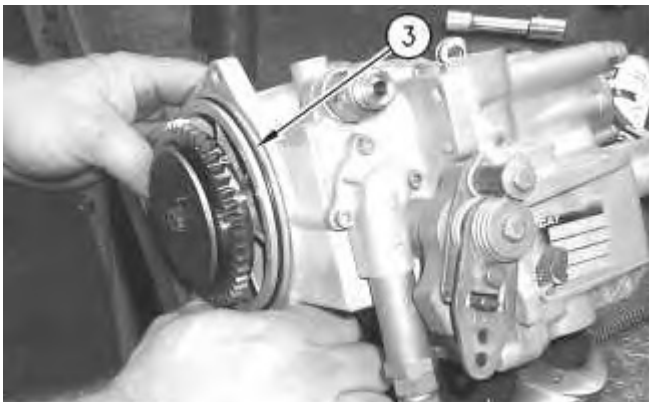


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Illustration 6

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7. Remove the governor from the engine.

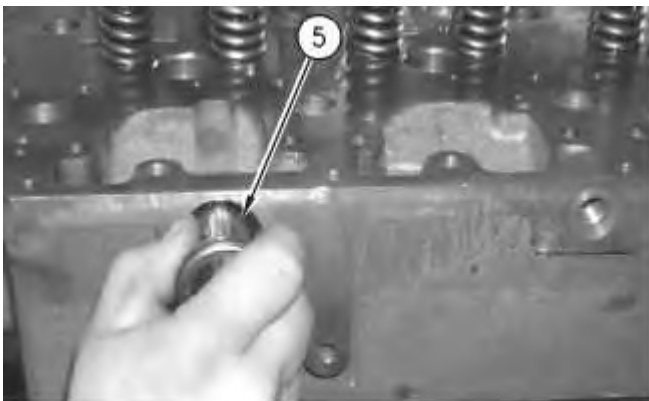


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Illustration 7

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8. Remove O-ring seal (3) on the governor.



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Illustration 8

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