

Product: TRACK LOADER

Model: 953B TRACK LOADER 5MK

Configuration: 953B TRACK-TYPE LOADER 5MK00001-UP (MACHINE) POWERED BY 3116 ENGINE

## Disassembly and Assembly 3114, 3116 and 3126 MUI Engine Governors

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## Governor (Type I) - Assemble

SMCS - 1264-016

## Assembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1U-7307	Governor Repair Fixture <sup>(1)</sup>	1
B	1U-7635	Clevis Driver <sup>(1)</sup>	1
C	1U-7606	Servo Block <sup>(1)</sup>	1
D	1U-7277	Pin Punch	1
E	1P-1857	Retaining Ring Pliers	1
F	1P-1855	Retaining Ring Pliers	1
G	1U-7310	Torque Adjusting Tool <sup>(1)</sup>	1
H	1U-7311	Wrench <sup>(1)</sup>	1
I	1U-7309	Shim Adjustment Tool <sup>(1)</sup>	1
J	1U-7313	Gauge Block <sup>(1)</sup>	1
K	1U-7312	Calibration Plate <sup>(1)</sup>	1
L	1U-7314	Weight <sup>(1)</sup>	1
M	1U-7308	Shim Adjustment Tool <sup>(1)</sup>	1

<sup>(1)</sup> Part of the former **1U-9088** Tool Group

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## NOTICE

**Keep all parts clean from contaminants.**

**Contaminants may cause rapid wear and shortened component life.**

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**Note:** Inspect all parts of the governor upon assembly. For information on the reusability of components in the governor, refer to the Guideline For Reusable Parts And Salvage Operations, SEBF8434, "3100 Governor Inspection and General Information for Mechanical Governor Groups Used in 3114, 3116, and 3126 Engines Equipped with Mechanical Unit Injectors (MUI)". For information on cleaning the components in the governor, refer to the The Cleaning Guide, SEBF8354, "Equipment And Chemical Recommendations Reference Manual".

**Note:** Refer to Chart A "Parts to be Replaced During Rebuild" in Guideline For Reusable Parts And Salvage Operations, SEBF8434 for a list of components that need to be replaced during a governor rebuild. It is not necessary to replace the components in Chart A "Parts to be Replaced During Rebuild" if the governor is in the shop for a bench test or for minor repair.

**Note:** Early Type I Governors had limited production until 1991. The early Type I Governors may be inspected and perhaps reconditioned. However, some of the internal components are no longer serviced or the internal components may only be serviced by larger assemblies. When you recondition a Type I Governor, it may be necessary to replace the governor. If extensive repair work is necessary, a Type I Governor can be replaced with a Type IV Governor.

**Note:** Put clean engine oil on all parts before assembly. Ensure that all of the oil passages in the governor are free of obstructions.



Illustration 1

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**Note:** Inspect the cam on the fuel transfer pump. If the cam has excessive wear, it will be necessary to replace the entire drive assembly.

1. Mount the drive gear end of the governor on Tool (A). Install drive gear (90) .

## **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.**

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Illustration 2

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2. Install C spring (89) carefully in order to avoid personal injury.



Illustration 3

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3. Install cover (88). Install the sleeve assembly and bolt (87) that holds cover (88) in position.
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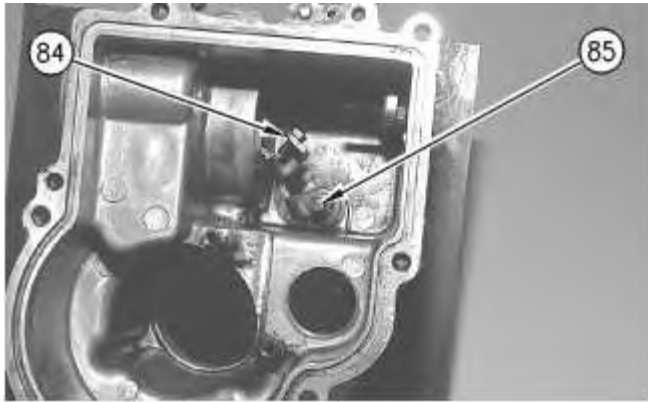


Illustration 4

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4. Install fuel ratio control lever assembly (84) onto shaft (85) .



Illustration 5

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5. Install O-ring seal (86) onto fuel ratio control valve (81) .

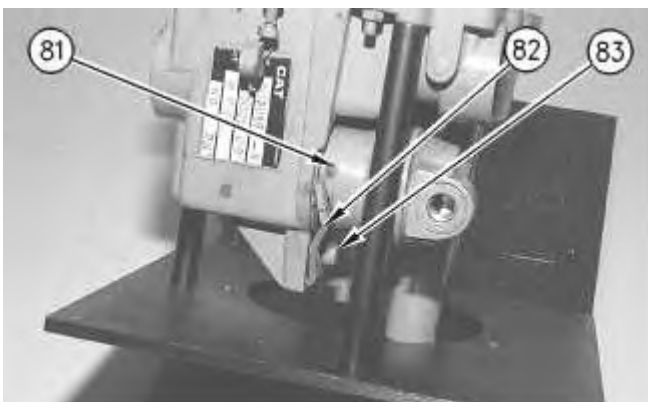


Illustration 6

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