

**CUMMINS INDIA LIMITED**

**ELECTRIC FUEL CONTROL GOVERNOR**

**TRoubleshooting Guide**  
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**CUMMINS DIESEL SALES & SERVICE (I) LTD**

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## FOREWORD

The electric fuel control ( EFC) governor is used on the PT fuel system. The EFC governor can be adjusted for isochronous or droop applications.

This TROUBLE SHOOTING GUIDE contains a list of trouble symptoms & their solutions for solving problems on both indigenous & imported EFC governors fitted on Generator drive applications.

### Cautions & Warnings!

1. Do not connect governor Power supply terminals directly to the battery charger. Connect the Power supply terminals with the correct polarity to the battery directly, without looping with the other equipments. Do not disconnect battery while engine is in running condition. For checking continuity & resistances of any EFC Components , Please disconnect the battery supply.
2. Do not apply external supply / 24 V directly across the controller terminals 6 , 7,(for indigenous) & 3 & 4 (for imported) ---- Actuator connections. For giving 24 V to actuator for testing purpose, remove the connections of the actuator terminals & then give supply to the actuator .
3. Use proper screwdriver for adjustment of potentiometers.
4. Check the ripple voltage on D.C. supply using AC range on a DIGITAL MULTIMETER, on Power supply terminals of the controller. It should be less than 1.5 Vac
5. Handle the actuator with great care, never hold it by its sleeve. Always hold it by its base only.
6. When battery supply to the Solid State Potentiometer ( SSP) is disconnected , it has be set again when reconnected. Do not disconnect the power supply to the SSP .
7. While reporting a problem or for a warranty claim duly filled check list of the related symptom & the basic checks must accompany the service report.