
 <p>GOVERNORS AMERICA CORP. Engine Governing Systems</p>	<p>Document: Application Note Version: 1 Status: actual Author: RO Date: 06-02-20 Approved: Date: File: PC</p>	<p>ADD-103-12 (-24) Actuator for Caterpillar (Perkins) Engines</p>	 <p>HUEGLI HUEGLI TECH LTD SWITZERLAND Tel.: +41-62-916 50 30 Fax. +41-62-916 50 35 www.huegli-tech.com</p>
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Introduction

- ⇒ The 103 Series Integral Actuator is designed to mount directly to the Delphi DPA/DPD (fixed speed-versions).
- ⇒ No external linkage or brackets are required to install this actuator.
- ⇒ Also, when de-energized the 103 Series electric actuator provides the function of fuel shutoff solenoid. This is accomplished by internally moving the fuel metering valve to the no fuel position.
- ⇒ Installing the 103 Series actuator does not defeat the engine's mechanical governor operation. During the installation process, the mechanical governor is set to a higher speed than the electric governor's operating speed. In this configuration the mechanical governor acts as a speed limiter.
- ⇒ The electromechanical design used in the 103 Series is field proven and provides a proportional actuator movement based on the actuator coil current.