



AMERICAN GOVERNOR

BALLHEAD DRIVE SIMULATOR

Test on-line governor performance with unit off-line

Our Ballhead Drive Simulator allows you to test and calibrate on-line performance of a mechanical governor while the unit is off-line and idle. This portable apparatus utilizes a variable frequency drive to inject a simulated speed signal to the governor ballhead. Step changes or ramps can be simulated and governor response measured. This is useful for both normal governor testing and NERC / WECC performance verification.

Ballhead Drive Simulator includes:

- Variable-frequency motor drive
- Precision speed control potentiometer
- Pre-wired control enclosure with On/Off switch
- Programmable step and ramp functions
- Remote control/monitoring interface (DH-485)
- Detailed instruction manual



Portable Ballhead Drive Simulator

American Governor Company offers a complete line of pre-engineered retrofit kits, partial upgrade kits, and digital governor systems:

Governor Retrofit Kits Available:

- Solenoid-Operated Pump Unloader Kits and Lead/Lag Operator Panels
- Selsyn Replacement Kits (substitutes 4-20mA transducers, new remote indicators)
- 3D Cam Replacement Kits (eliminates obsolete mechanical and early-digital designs)
- PLC-based Speed Switch Replacement Kits (eliminates auxiliary switches)
- Digital Interface Kits (for remote control of mechanical and analog governors)
- Kidney Loop Oil Filtration Systems

Governor Upgrade Kits Available:

- Partial Upgrade Kits (includes PLC and Pilot Valve Replacement Kits)
- Complete Governor Upgrade Systems (includes PLC, Valves, HPU, Pressure Tanks and Servos)
- Digital governor upgrades are available for:
 - **Mechanical Cabinet Actuators**
 - **Analog Electric Actuators (Mod I and II)**
 - **Type A Actuators**
 - **Gateshaft Governors**
 - **Other Types:** Pelton, Cheston, Allis-Chalmers, Voith, Lombard, SM Smith and others

While we do offer upgrade kits, American Governor is also **proud to support your legacy governors** with high-quality replacement parts at reasonable prices, expert field service on short notice, knowledgeable technical support, and professional training classes.

• **TEST AND CALIBRATE ON-LINE GOVERNOR PERFORMANCE**

• **DESIGNED FOR MECHANICAL GOVERNORS**

• **PRECISE SPEED CONTROL**

• **DIGITAL TACHOMETER**

• **FINE-ADJUST CONTROL POTENTIOMETER**

• **REMOTE CONTROL INTERFACE (DH-485)**

• **DETAILED INSTRUCTION MANUAL**

Factory Repairs are also Available for other Governor Assemblies:



Aux. Speed Switches



Brake Air Valves



Dashpots



Distributing Valve Plungers & Bushings



Analog Modules



Digital Modules

Regional Offices Serve You Better!

Call today for governor parts, service, training, or technical support.

Governor School is Back!

Every June in Wisconsin. Call your Regional Office for details.

New and Reconditioned Parts Available

American Governor parts meet or exceed OEM standards.

Nagging Governor Problems?

American Governor experts are just a phone call away.

OEM Unsupportive?

American Governor supports all types and styles of hydro governors, produced by any manufacturer.

Have an Emergency? Call Us!

American Governor has a wide variety of governor assemblies and auxiliary systems that can be sent out on short notice to get your unit running.



Wisconsin Training and Repair Facility

Northwest Office

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Debbie Langendoerfer
Lori Bergen

Kirkland, WA

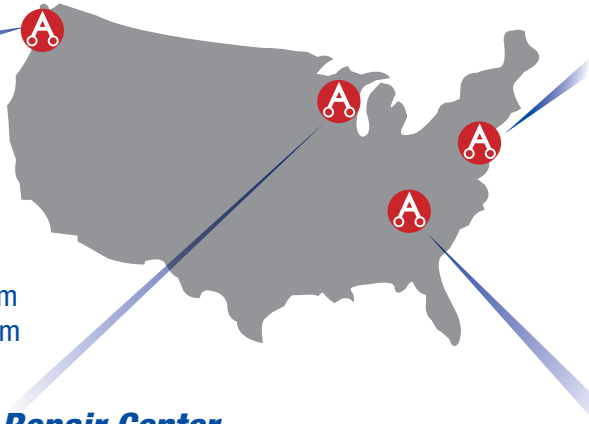
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For more information, visit us on-line at www.AmericanGovernor.com

From the Oldest Mechanical to the Newest Digital...

We Know Governors