



3D Cam Replacement Kit for Woodward Blade Controllers

➤ **ELIMINATE
UNSUPPORTED
HARDWARE**

➤ **MAXIMIZE
EFFICIENCY**

➤ **STANDARD PLC
HARDWARE**

➤ **INTERFACES WITH
EXISTING DEVICES**

➤ **FIELD
PROGRAMMABLE**

➤ **SERIAL PORT
AVAILABLE**

If you are still running the “3D Cam” blade control system that came with your governor, chances are you can improve efficiency and avoid costly downtime by retrofitting your proprietary system with a PLC-based system from American Governor. The original Zilog systems were notoriously hard to re-program, so you may be running obsolete curves.

Our Replacement 3D Cam Kit is a drop-in replacement for the Zilog CPU controller and uses your existing gate, blade and net head (or head / tailwater) signals. No complicated mechanical equipment is required and there is no hydraulic interface. Our kit includes everything you need and our engineers will pre-load your latest Index Test curves, maximizing unit operating efficiency.



Actual configuration may vary

Replacement 3D Cam Kit includes:

- PLC-based controller mounted in NEMA 12 enclosure
- Uses existing gate, blade and net head input signals
- Net Head Failure and Control Failure relays
- Stepper motor driver (blade angle)
- Auto/Manual switch and Manual Net Head dial
- Pre-programmed Software (field adjustable):
 - 3D Cam Curve (data provided by customer)
 - Blade Tilt, Blade Lock Logic
 - Input Signal Failure Detection
 - Controller Diagnostics
- Power supply, terminal blocks and mounting hardware
- Pre-wired and factory tested
- Installation and Operation Instructions

American Governor is committed to supporting all your governors, regardless of manufacturer or model, with parts, field service, technical support, training and engineering for as long as you wish to keep them in service.

American Governor Company - Contacts

We Provide Parts and Service for:

- **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.
- Whether **New or Reconditioned**, all American Governor parts come with our **standard one year warranty**.
- **Got 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**.



Gateshaft Governors



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Analog Cabinet Actuators



Digital Governors

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Wisconsin Training and Repair Facility

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