

Change Summary

Gemini GV Hardware Installation Guide

Revision E

December 1, 2001

The following is a summary of the primary technical changes to this document since the previous version was released.

This document, part number 88-017791-01E, supersedes 88-017791-01D.

GV-H40 Drive Added to Gemini Product Line

Information about the Gemini GV-H40 Drive has been added throughout this *Hardware Installation Guide*.

+24VDC Power Input – Current Specification (page 37)

The input current specification has been changed from 500 mA *maximum* to 500 mA *minimum* required from your power supply.

Connecting V Bus±: Fuse Each Drive (page 38)

CLARIFICATION: When connecting two or more drives through their V Bus± terminals, fuse the AC input lines of each drive, as the drawing labeled *Sharing the Power Bus* now shows.

TASX, Bit 5 – Resolver Failure (page 52)

CHANGE: The TASX command's Bit 5 indicates resolver failure (not encoder failure).

Soldercup Connectors Specified (page 60 & 66)

NEW: Mating soldercup connectors and backshells are specified for the 50 pin DRIVE I/O connector and the 26 pin MOTOR FEEDBACK connector.

Pulse Input Specifications (page 61)

CLARIFICATION: Specifications are listed for minimum pulse width and maximum pulse frequency for step/direction or encoder inputs.

Panel Layout – Vertical Clearance for GV-H20 (page 73)

CHANGE: Allow 2 inches (50.8 mm) below a GV-H20 drive. If you mount another drive above a GV-H20, allow at least 4 inches (100 mm) vertical clearance above the GV-H20; allow 6 inches (150 mm) if operating at full power.

Non-CE Cables (pages 75 – 80)

NEW: Compumotor now offers non-CE cables.

Hall Sensors – Configuration and Troubleshooting (page 82)

NEW: Information about configuring and troubleshooting Hall sensors has been

added to *Appendix B Using Non-CompuMotor Motors*.

Ferrite Absorbers Recommended for GV-H20 (page 88)

CHANGE: For increased product immunity and reduced product emissions, particularly with large servo motors, we now recommend that you install two clip-on ferrite absorbers.

Revision D

December 17, 1999

The following is a summary of the primary technical changes to this document when part number 88-017791-01D superseded 88-017791-01C.

- DRFLVL Command Removed from Configuration Steps.
- RFS Command Recommended in Reconfiguration.
- Depth Commands Added to Filter Adjustments.

Revision C

November 1, 1999

The following is a summary of the primary technical changes to this document when part number 88-017791-01C superseded 88-017791-01B.

- Information for the Gemini GV-H20n Servo Drive, was added.
- Information for the Gemini Power Dissipation Module (GPDM) was added.
- Information about using resolver feedback was added.
- GC-26, GC-50, GFB-KIT were added.
- Special Features Chapter was added.

Revision B

July 30, 1999

The following is a summary of the primary technical changes that occurred in this document when part number 88-017791-01B superseded 88-017791-01A.

- Z-Channel was added to Encoder Outputs
- We recommended connecting RS-485 cables before applying power.
- Digital Outputs Drawing – minor corrections were made to the *Internal Connections* section of the *Digital Outputs* drawing.