

Magnus VLF

Carriage Amplifier Upgrade Procedure

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Revision History

Revision	Date	Author	Comments
A	2005-02-11	K. Cheng	First Release
B	15 Mar 2005	A.Blignaut	Edited and formatted
C	25 Mar 2005	A.Blignaut	Added note for grease upgrade for maximum speed

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1. TOOLS REQUIRED

- Wire cutter
- 3 and 4 mm hex keys

2. PARTS REQUIRED

512-00259A, KIT,UPGRADE,CA06530,CARRIAGE AMP,SEMI-AUTO,MTA

Upgrade kit includes:

- 719-00457A, DOC,UPGRADE,CA06530,CA AMP, SEMI-AUTO,MTA (qty 1)
- 503-00265A,BRD,ASSY,CARRIAGE AMP,10A,SLOW INTEGRTR (qty 1)

3. PROCEDURE

3.1 Turning the main power off

1. Turn the main switch at the power entry box to OFF.
2. Remove the left front panel and turn SW2 to OFF.
3. Remove the power box cover.

3.2 Replacing the carriage amplifier

1. Disconnect and remove the carriage amplifier from the power box and install the new carriage amplifier (503-00265A) in its place.



3.3 Turning the main power on

1. Visually check all the connections.
2. Install the power box cover and turn SW2 to ON.
3. Install the left front panel.
4. Turn the main switch at the power entry box to ON.

3.4 Changing the carriage amplifier parameters

Note: Before setting the carriage to run at maximum speed, you must replace the carriage ballscrew bearing assembly. See the Magnus VLF Procedures page for details.

In Service Shell, change the following parameters:

- `>>set carriage imove 10`
- `>>set carriage iplot 8`
- `>>set mspeed 42`
- `>>set accel 40`