

DRS24C Series Motor Driver Replacement

Section 1.0

Replacing your Z-axis or vision system motor driver controller



BEFORE YOU START:

Read instructions thoroughly before beginning.



ELECTRICAL WARNING:

POWER DOWN DRS24 AND DISCONNECT FROM POWER SOURCE.



CAUTION:

OBSERVE PROPER STATIC PRECAUTIONS.



NOTE:

The two motor drivers look the same, but they are not interchangeable!



CHECKLIST:

The following items will be needed in this section.

- Metric Allen wrenches
- American Allen wrenches
- Vision driver part no. 9002.11.005
- Z-axis driver part no. 9002.11.006

For technical problems, please contact the Air-Vac technical service department at:

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1.0 Motor Driver Replacement

IMPORTANT

VERIFY DRS24 IS DISCONNECTED FROM THE POWER SOURCE.

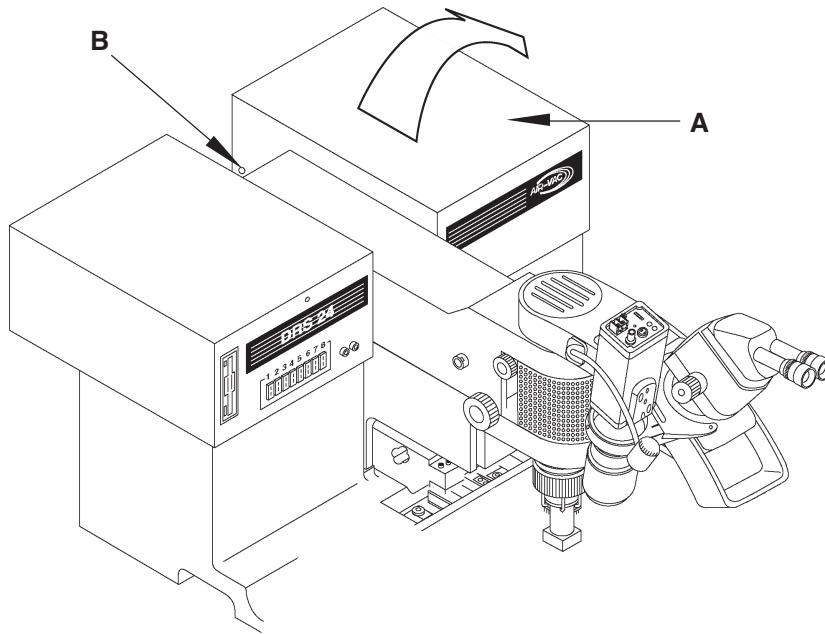
NOTE

Both motor drivers are located in the DRS24 right box (A), (fig.1).

STEPS:

- 1 Remove the 10/32" button head screw (B), (fig.1), and swing right box open.

Fig. 1



NOTE

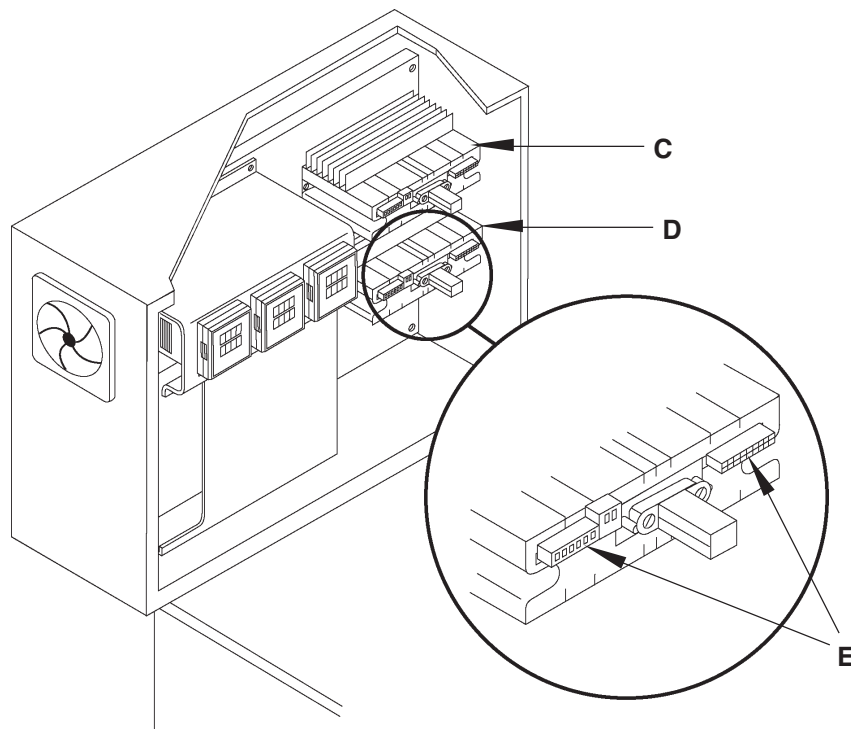
The remaining steps will be performed assuming you are located behind the DRS24.

NOTE

The top driver (C), (fig. 2), is for your vision cube and the bottom driver (D), (fig. 2), is for your Z-axis.

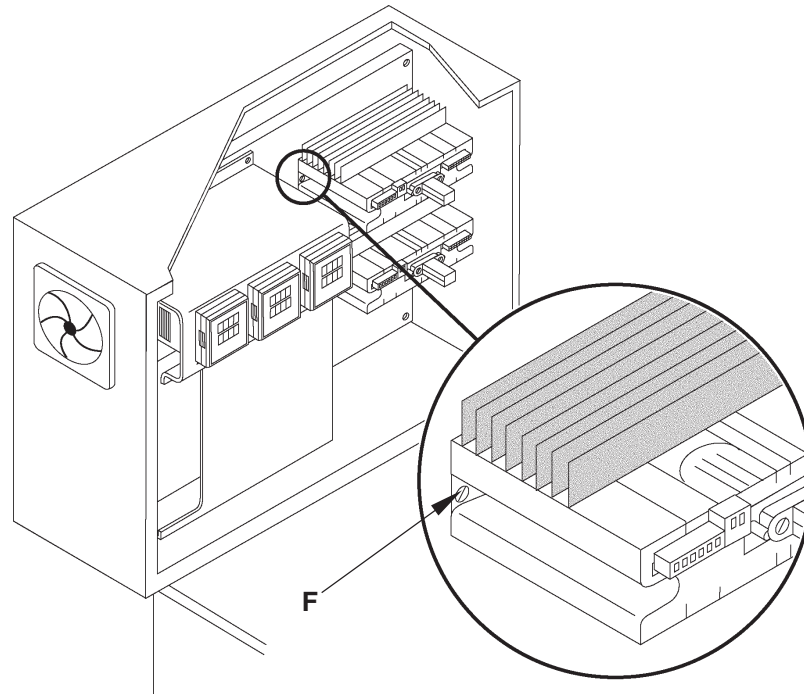
- 2 Unplug connectors (E), (fig. 2), on the driver you are replacing.

Fig. 2



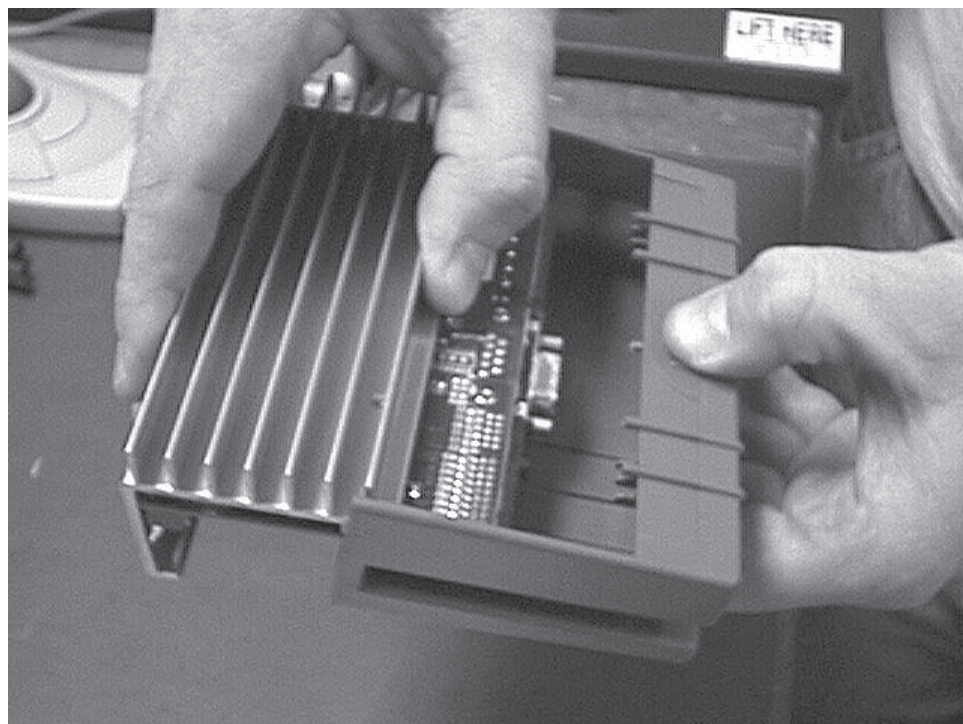
- 3 Loosen, do not remove, the two M3x12 screws (F), (fig. 3), on each side of the driver you're replacing. Slide driver to the left and lift out of machine.

Fig. 3



- 4 Locate the new driver and remove plastic cover (fig. 4). Grasp the heatsink in one hand and plastic cover in the other. Gently squeeze the center semi-circle feature of the plastic cover to unlock and slide it off the front of the driver.

Fig. 4



- 5 Set the dip switches per (fig. 5) vision driver, or (fig. 6) Z-axis driver, depending on which driver you are replacing.

NOTE

On the dip switches, "Open" means "Off".

- 6 Slide cover back on driver and install driver back into machine.
- 7 Tighten M3x12 screws (F), (fig. 3), and plug the connectors (E), (fig.2), back in.

WARNING

DO NOT FORCE CONNECTORS IN! CHECK ORIENTATION OF PLUG FIRST.

