# ETC® Service Note

## Congo™ jr DMX Driver Chip Replacement

### Tools Required:

#2 Phillips Screwdriver

#1 Phillips Screwdriver

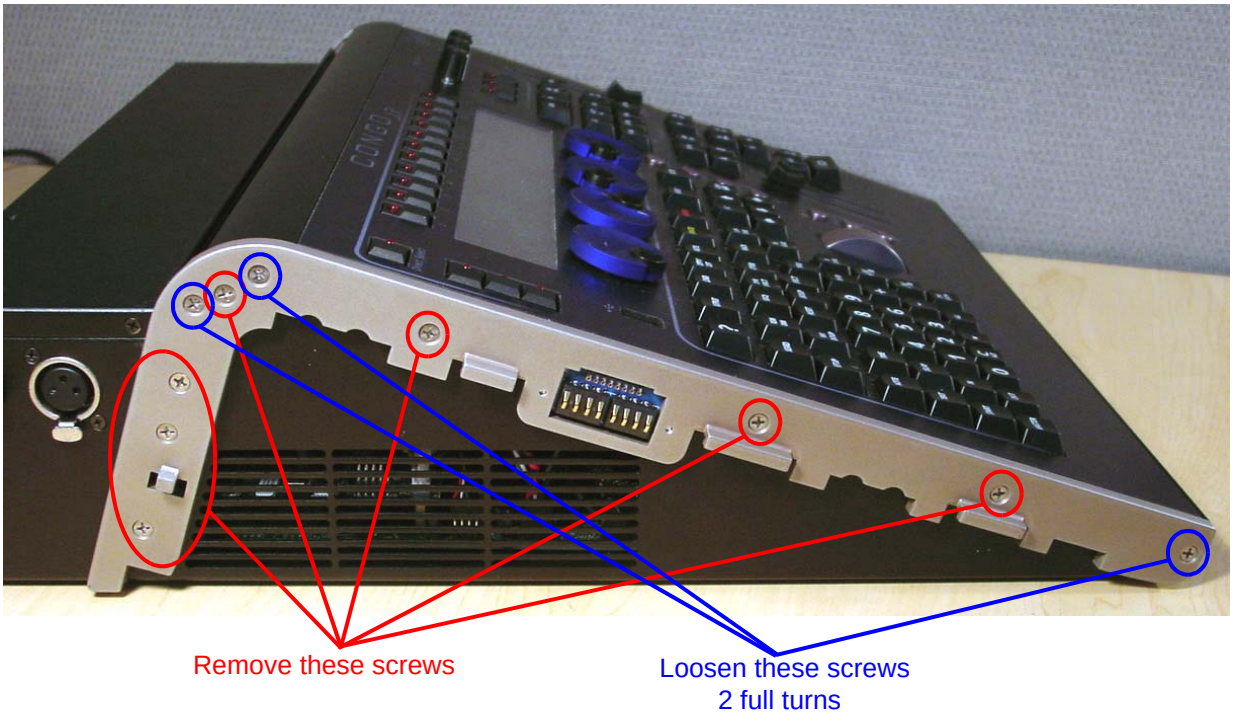
### Procedure:

Step 1: Remove the protective side panels from the Congo jr Console.

Step 2: Remove the 7 screws indicated in Red below.

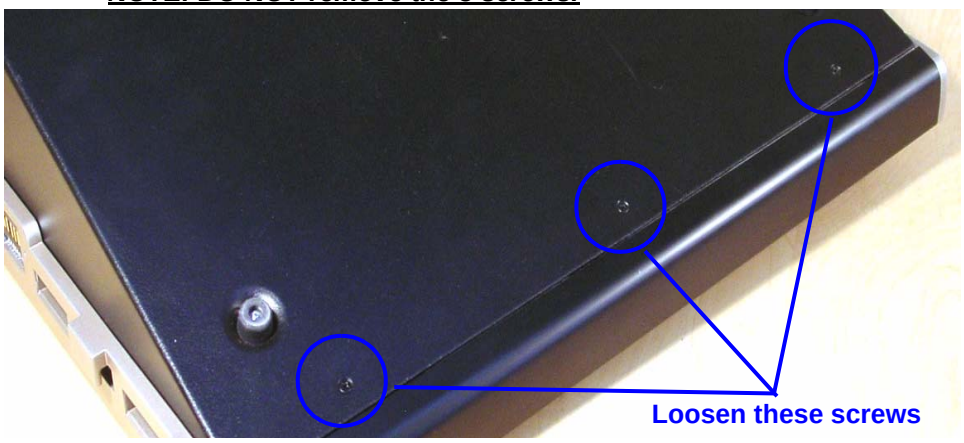
Step 3: Loosen the 3 screws indicated in Blue below.

***NOTE: DO NOT remove the 3 screws.***




Step 4: Carefully flip over the console and loosen the 3 screws in blue below:

***NOTE: DO NOT remove the 3 screws.***

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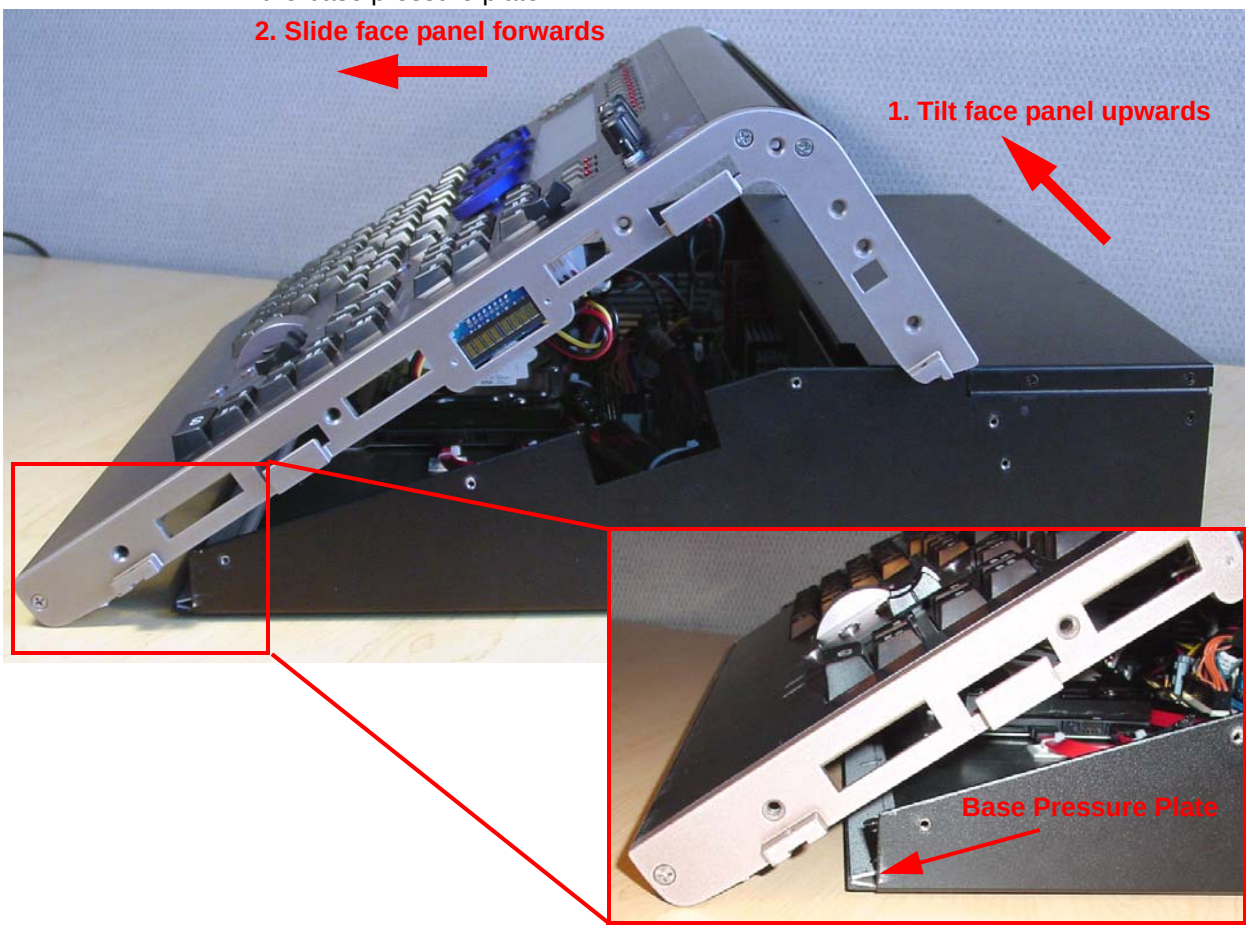
Web: www.etcconnect.com ■ Copyright © 2006 ETC. All Rights Reserved. ■ Product information and specifications subject to change.
Pending ■ Rev A ■ Released 02/2007

Step 5: Flip the console back onto the base.

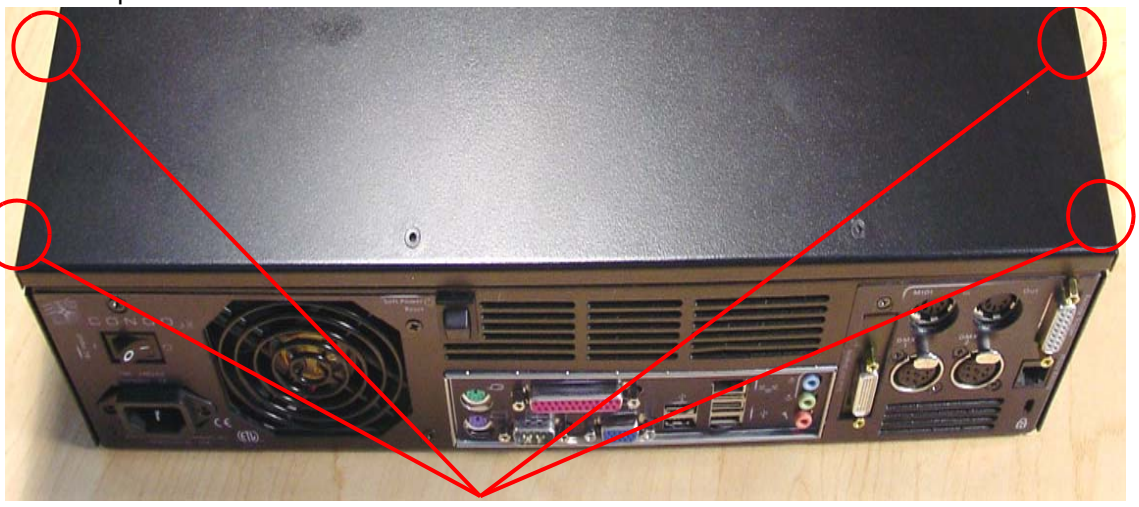
Step 6: Lift the back side of the face panel upwards away from the base.

Step 7: Slide the face panel towards the front of the console. The face panel will slip under the base pressure plate.




Step 8: Rest the face panel off to the left side of the base unit. (The side with the DMX connectors) There is no need to remove the face panel cables when replacing the DMX connectors.

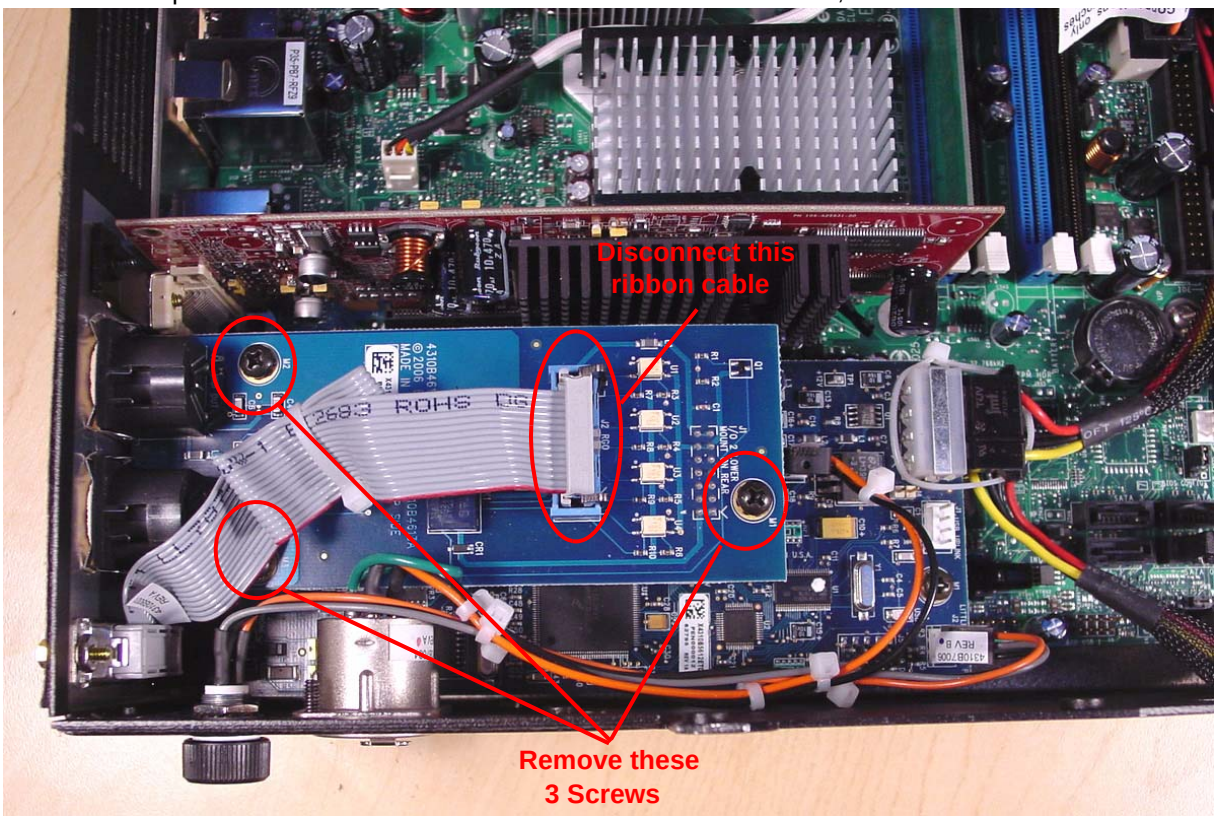
Step 9: Remove all 4 screws from both sides of the base.



Step 10: Remove the base cover, and set aside.

Step 11: Locate the MIDI riser card near the Video Card, and above the DMX I/O Card.

Step 12: Remove the ribbon cable from the MIDI riser card, and remove the 3 screws.



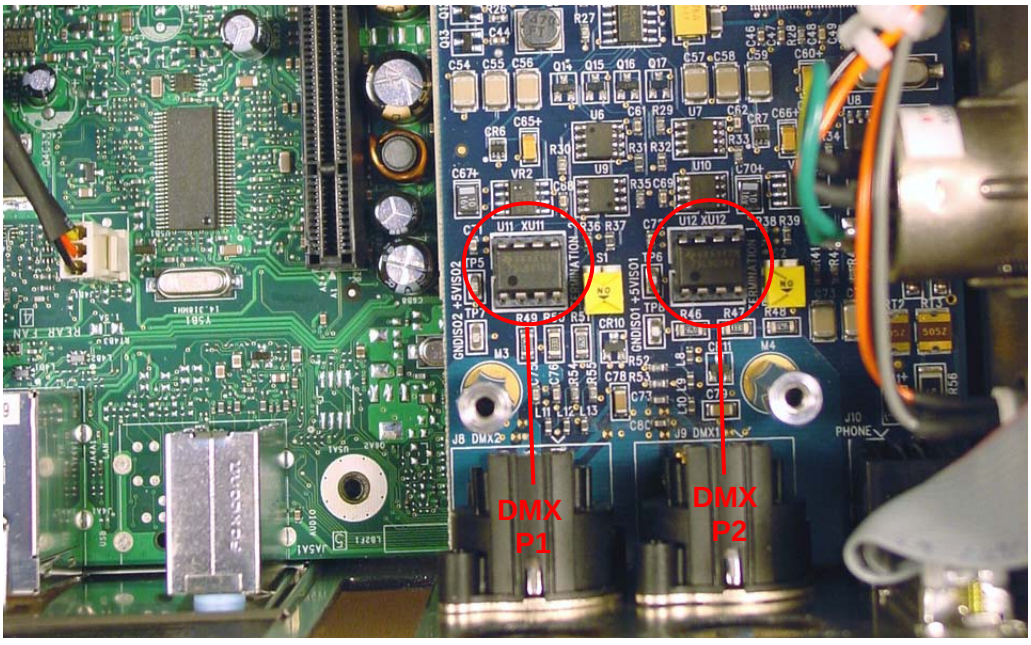

Step 13: Lift up on 2 sides of the MIDI card being careful not to bend any of the pins below the card.

Step 14: Set the MIDI card aside.

Step 15: Locate either DMX Driver Chip:

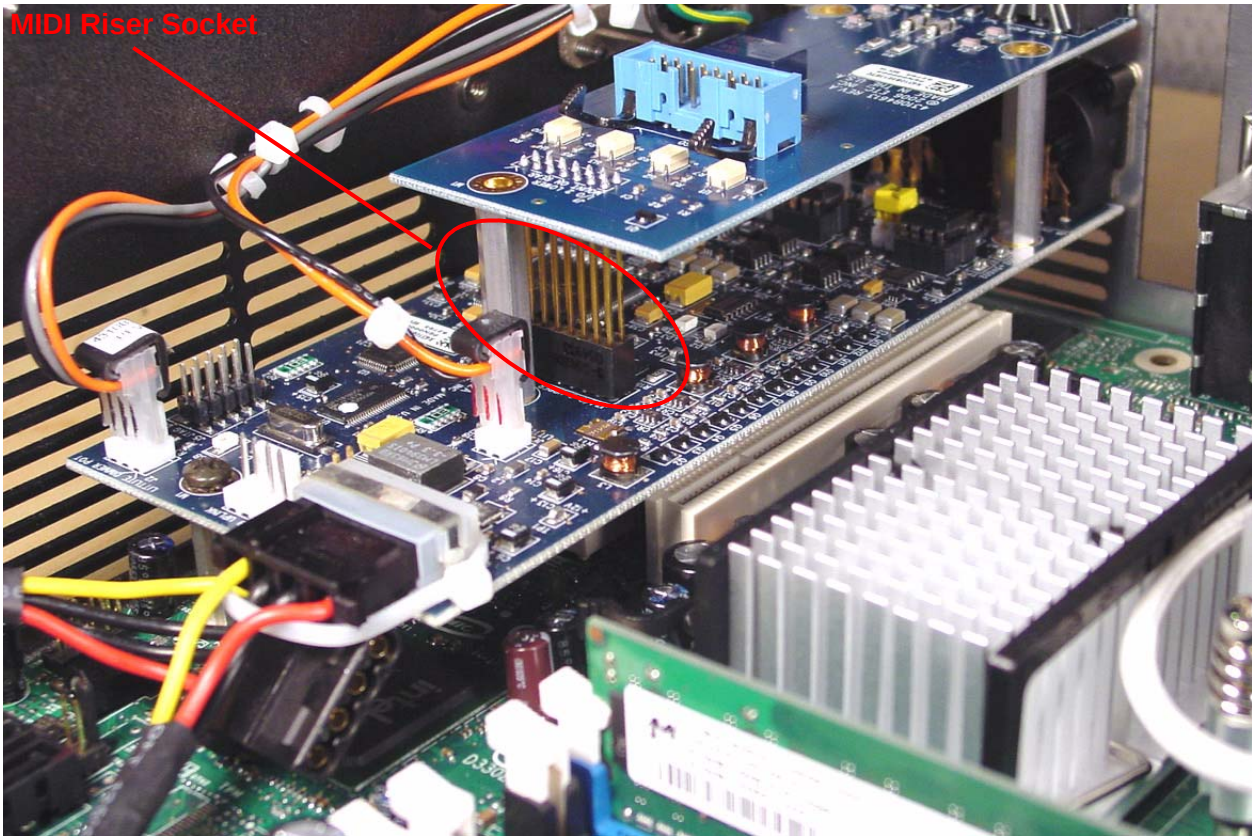
U11 - DMX Port 1

U12 - DMX Port 2



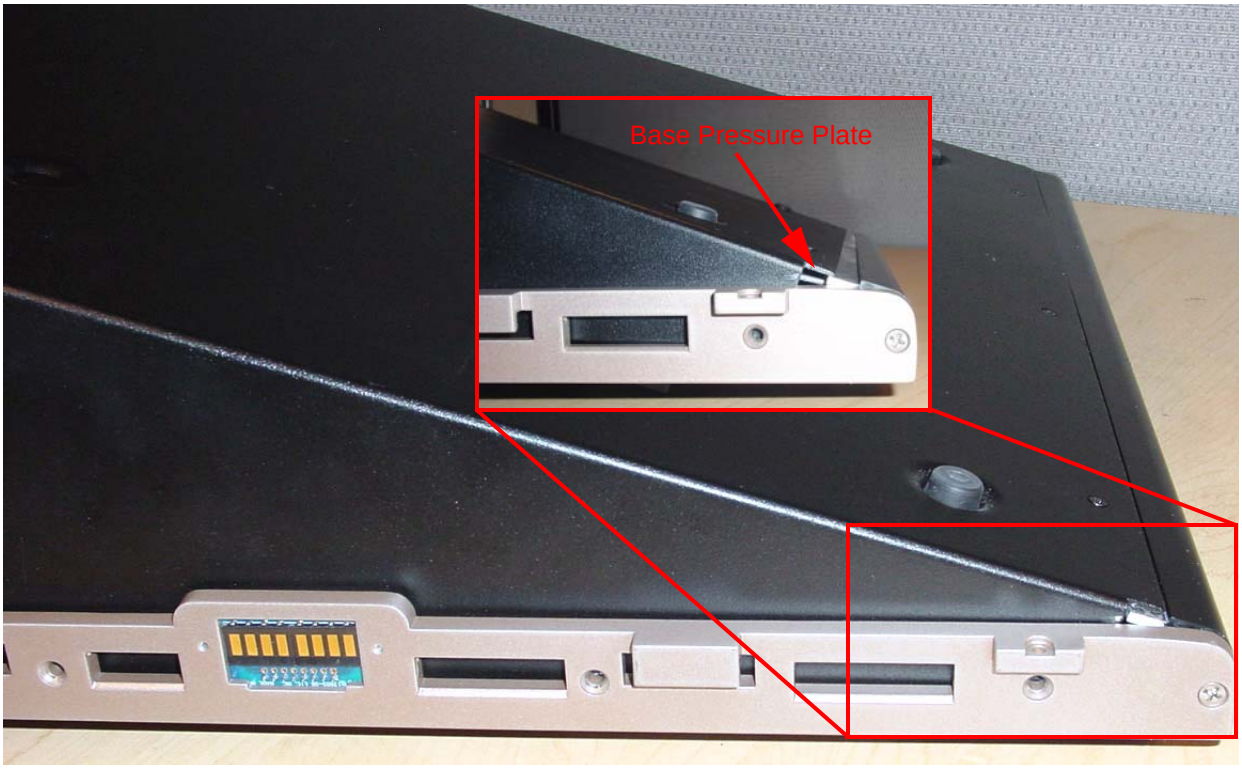
Step 16: Replace the desired DMX driver chip. (75LBC182) ETC Part Number Z1458-F.

Step 17: Re-connect the MIDI riser card to the DMX I/O card. Line up all 14 pins with the I/O socket. Once the pins are aligned, gently push down on the MIDI riser card to seat it into the socket.




Step 18: Place the base cover back onto the base of the console and re-attach all 4 screws.

Step 19: Slide the face panel back under the base pressure plate.




Step 20: Re-attach all 7 screws from each side of the console face panel.

Step 21: Flip the face panel over and tighten the 3 screws on the base of the console.

Step 22: Power the console up and verify correct console operation and verify DMX outputs on both ports.