

Installing a Replacement Master Board in Your IST Scoreboard

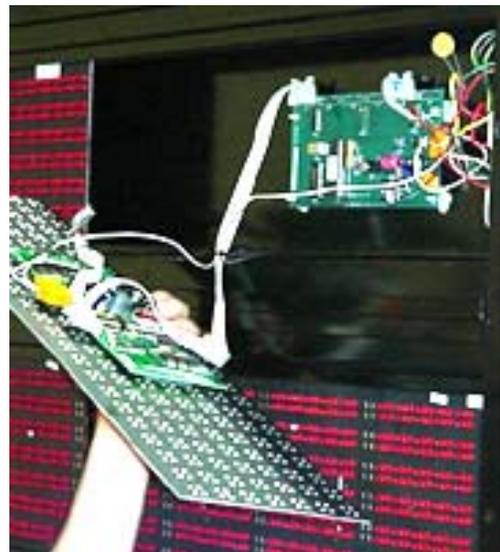
1. If IST technicians determine that your scoreboard has a faulty Master Board, we will send you a replacement. **Disconnect the power cable from the board or turn off the breaker before beginning any repairs.**
2. Remove the lens from the top line by pushing it up and pulling out from the bottom. **Please handle the lens with care—if it is dropped, it could shatter and cause serious injury.** Set the lens aside.
3. The Master Board is located at the right end of the top line in 16 character boards. 32 character boards have Master Boards in the right and left ends of the top line. Remove the white plastic pop rivet (if installed) from the center top of the right-most LED panel by pulling the pin out with pliers or pushing it through to the back. The rest of the rivet should then pull out easily.
4. Remove the panel from the line by pushing it up and pulling out from the bottom. You will see an orange connector (or 1 orange and 1 gray connector if it is in a scrolling line). Carefully remove the connector from the board. (Gray connectors on scrolling lines have latches on either side. Push the latches open and slide the center of the connector off the board.) Be careful not to lose the grommet strips on the top and bottom edges of the board. Numeric scoreboards also have a plastic spacer panel over the Master Board which comes out the same way.



Remove the lens



Remove the LED panel



Disconnect the LED panel cables.

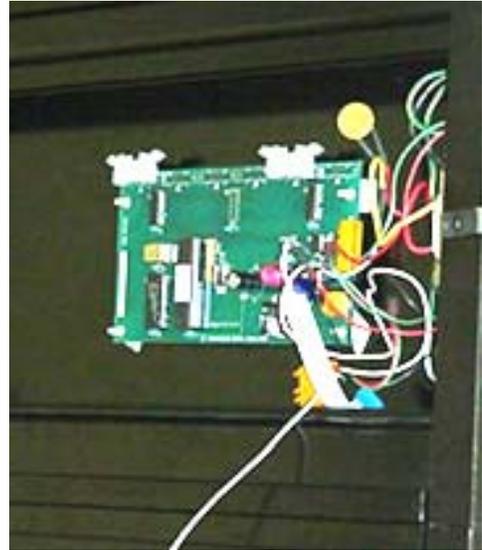
5. You can now see the Master Board mounted on the back of the case with 4 stand-off pins. The Master Board has 2 gray connectors with latches. Push the latches open and slide the center of the connector off the board. Let the cables hang out of your way for now.

6. To remove the Master Board from the case, use pliers to squeeze the stand-off pins so the board can slide off. Remove the board one corner at a time, and be sure not to drop the board when the last pin is released. Set the faulty Master Board aside.

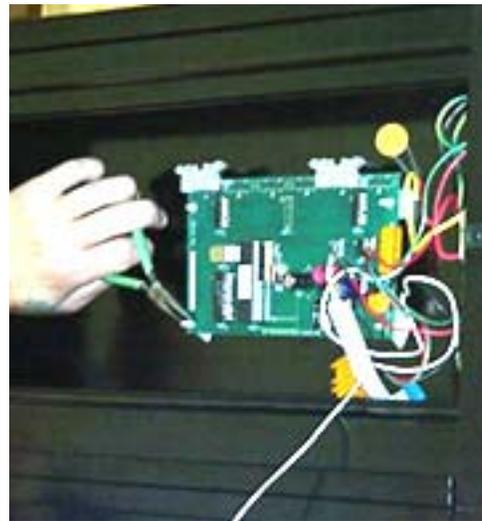
7. Install the new Master Board with the component side out and the connectors on the top. Gently push each corner of the Master Board onto the stand-off pins until they snap to hold the board in place. Replace the gray cables—the connectors are keyed so they can only go in one direction. The cable coming from the end plate goes to the right connector, and the cable that goes to the LED panel goes on the left connector.

8. Replace the LED panel in the scoreboard by plugging in the connector(s) that you removed earlier. The connector(s) are keyed and will only connect properly in one direction. Replace the plastic spacer on Numeric scoreboards.

9. Check to be sure the top and bottom grommet strips are in place on the LED panel. Fit the panel in the upper groove in the scoreboard case and let it slide into the lower groove. Slide all the panels in the line to the left so they fit tightly together. This is especially important in scrolling lines to get a smooth scrolling display. It is not necessary to replace the pop rivet—it is only there to hold the panels in place during shipping.



Remove the Master Board cables



Squeeze the stand-off pins to remove the Master Board

10. Replace the lens by fitting it in the upper groove in the scoreboard case and letting it slide into the lower groove.
11. Turn the power to the scoreboard back on.
12. Check diagnostics from your Software to be sure the board is now operating properly.
13. Pack the faulty Master Board in the same packaging for the replacement board. You should have been assigned a Return Material Authorization (RMA) number. If not, call 800/835-2611 to request one. Within 30 days, send the board to:

International Sports Timing
Attn: RMA #
3286 Kentland Ct. S.E.
Grand Rapids, MI 49548

If you have any problems, call IST at 800/835-2611 for assistance.