	Procedure Title: E-Stop Alarm Troubleshooting Procedure (Torqo 1600)	Procedure #	Rev#: A
	Author: G. Szakacs	Release Date: 29-JUN-2016	Effectivity Date: 29-JUN-2016

E-stop Alarm Troubleshooting Procedure (Torqo 1600)

1 PURPOSE:

Describe the steps to resolve the E-stop alarm message on the Torqo 1600 touchpanel. The E-stop alarm states that the emergency stop button is pressed.

2 SCOPE:

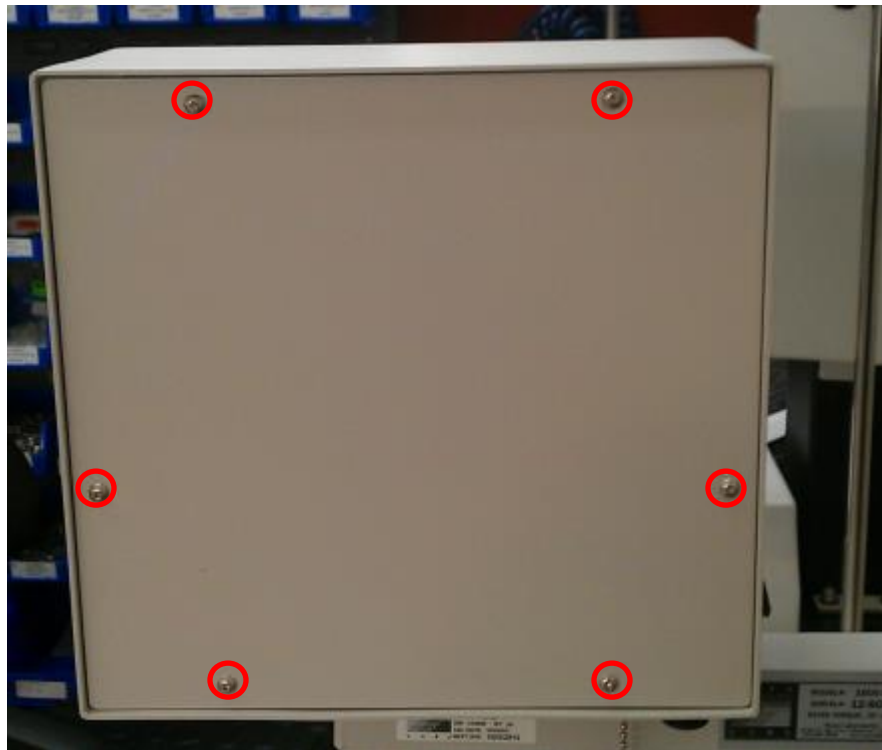
By accident, during the shipping/uncrating of the Torqo 1600, it is possible that conditions occur that result an E-stop alarm message displayed when the Torqo Application is running.

The error message may be displayed erroneously after:


- the E-stop is actuated accidentally
- the E-stop and cover switch wires & connectors are broken or lose
- the cover/cover switch is dislocated

3 PROCEDURE:

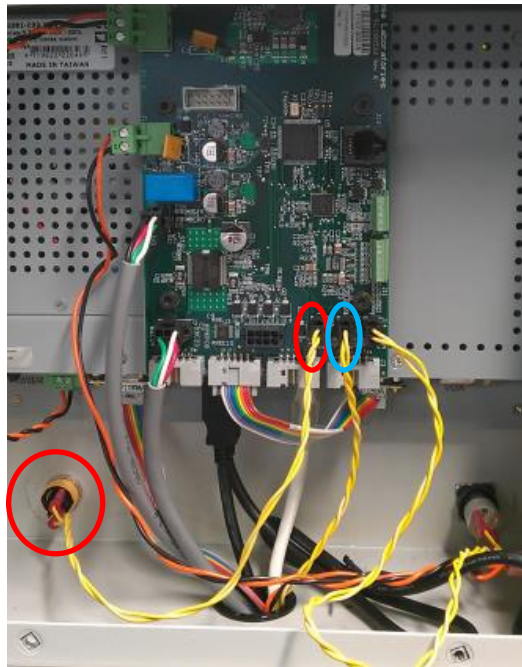
1. Check if the E-stop is engaged. If engaged, rotate and/or pull to disengage. When disengaged, check the display to see if the alarm condition is still present.
2. If the E-stop is disengaged and the alarm is still on, shut down the computer and disconnect the Torqo from the power source.
3. Remove the touchpanel enclosure rear panel. Use a 3/32" hex wrench to remove the 6 button head screws.



4. Verify the location and orientation of all connectors, specifically the 3 yellow wire-pairs in the lower right part of the board. The connectors highlighted with red color are used for the E-stop

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wiring. The connector highlighted with the blue color is used for the cover switch wiring.




Warning !

Incorrectly connecting any of the wires/connectors can render the machine inoperable.

5. After confirming that the connectors and wires are in good condition and seated properly, put the rear cover back on the HMI enclosure, secure it with the screws and proceed to step 6.
6. Remove the head cover and check the mounting and wiring of the cover switch. The cover switch is a simple safety mechanism to disable operation when the top cover is removed. For correct operation, when the top cover is in place, the actuator lever must actuate the microswitch. In the event the mounting screws become loose, or the wires are disconnected, the E-stop alarm will show on the Torqo screen. If necessary, re-align and secure the switch. Make sure the wires are properly connected.



7. Connect the Torqo to the electrical power source and turn on the display.
8. Wait for PC to boot and then for the Torqo application to start. Once the Torqo application is running, test the functionality of both the E-stop and the Cover switch by actuating each.

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9. When both the E-stop and the cover switch operations are confirmed, put the cover on the head and secure it with the mounting screws.

10. Verify that the unit is operating properly after the top enclosure is in place.

REVISION HISTORY

Revision	Change Summary	CO	Date Released
A	Initial Release		29-JUN-2016