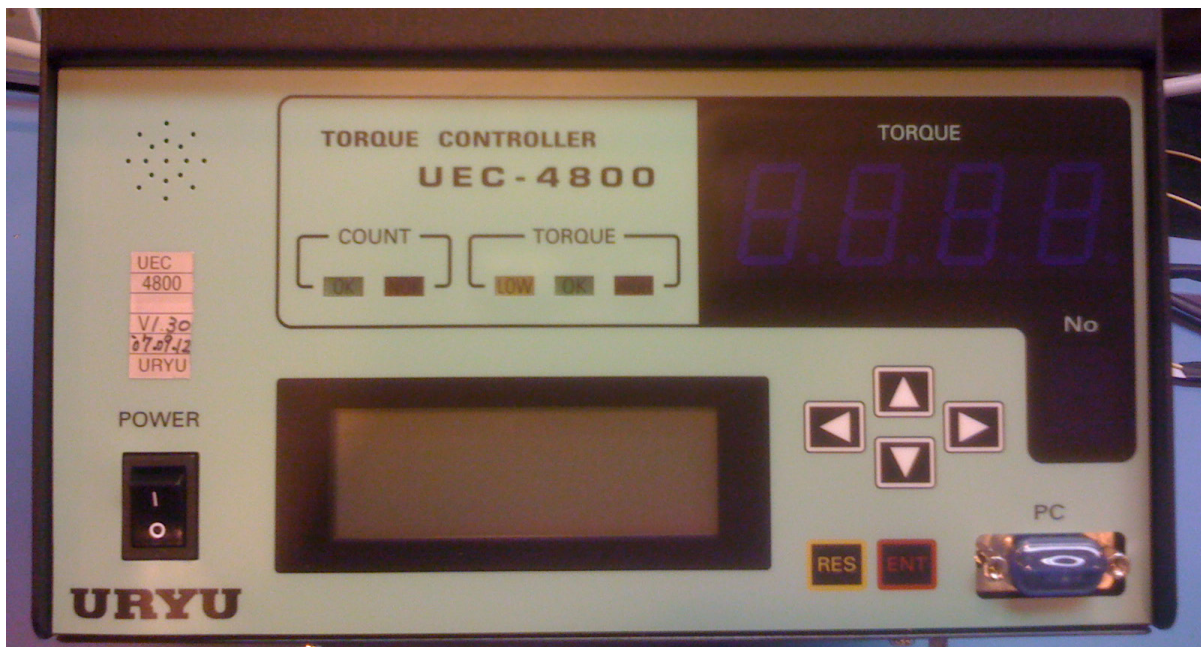




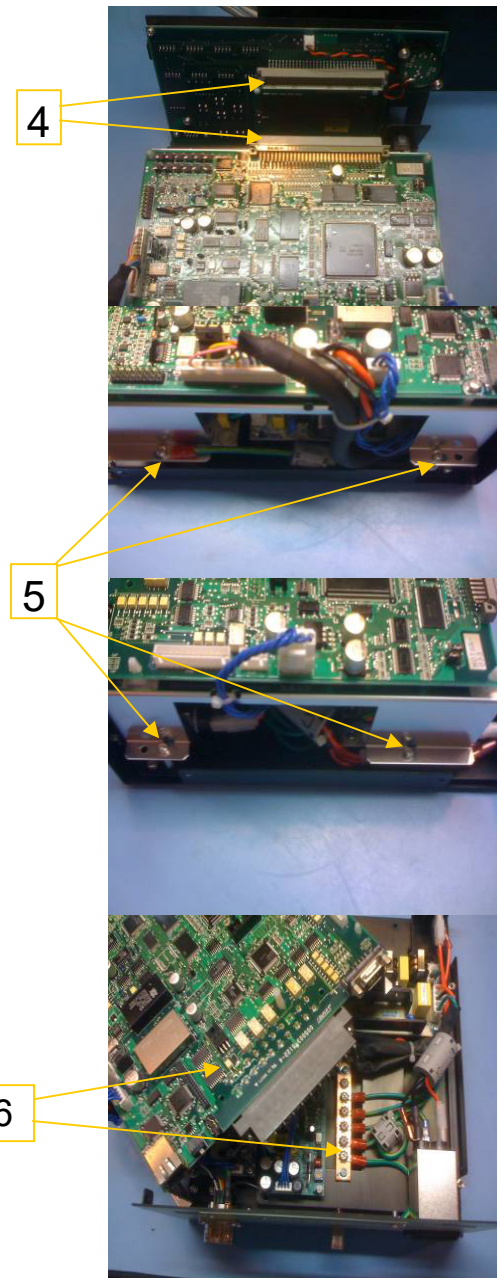
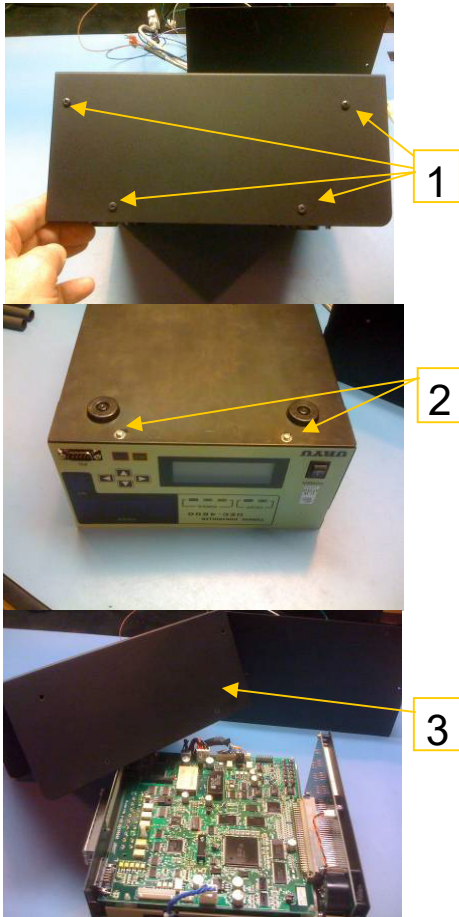
## UEC-4800EPL Upgrade Kit



**INSTRUCTION MANUAL**



# DISASSEMBLY OF UEC-4800



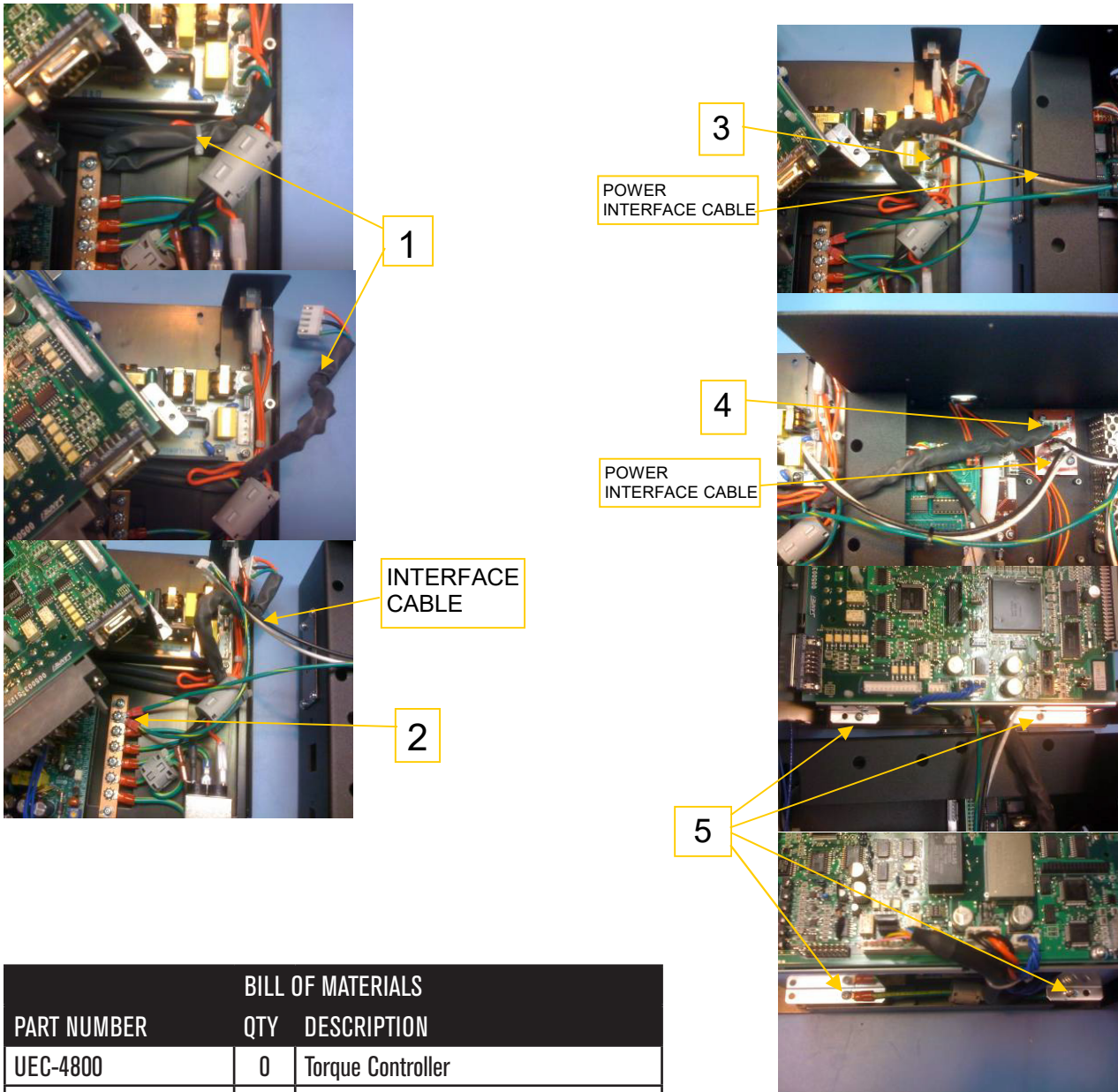
## BILL OF MATERIALS

PART NUMBER	QTY	DESCRIPTION
UEC-4800	0	Torque Controller

1. Remove the four screw on both sides of the UEC-4800.
2. Remove the two screws that hold the front panel to the UEC-4800.
3. Remove the cover of the UEC-4800.
4. Push the front panel free from its connector and place to the side.
5. Remove the two screws on both sides that hold the board in place.
6. Move the board back and to the side to expose the ground rail.

WEAR ESD GROUND STRAP WHEN HANDLING PCB

# WIRING THE TOP COVER TO THE UEC-4800



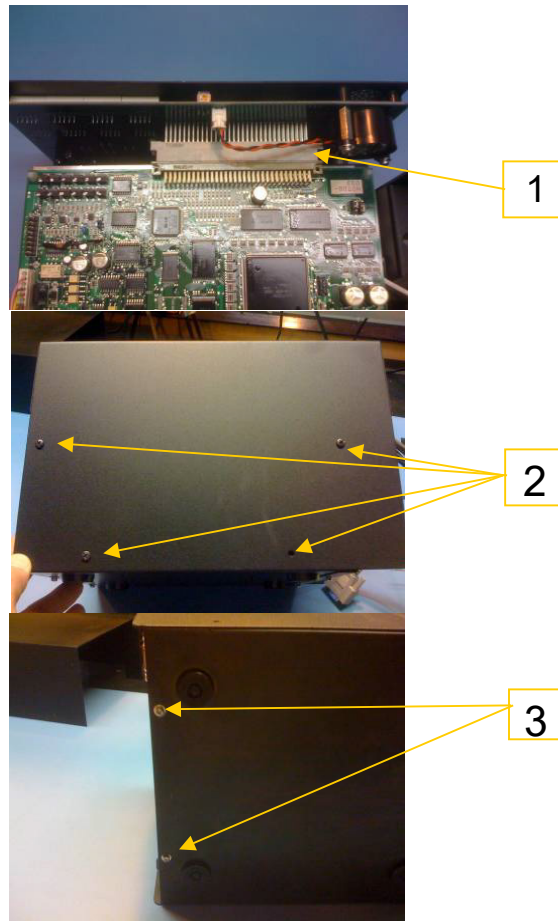
BILL OF MATERIALS		
PART NUMBER	QTY	DESCRIPTION
UEC-4800	0	Torque Controller
UEC-4800EPL-UPGRAD	1	Kit

1. Find the TB1 connector, unplug it, and cut the wire tie holding it in place.
2. Install the two green w/yellow striped wires from power interface cable to the ground rail.
3. Connect the power interface cable to the TB1 connector.
4. Connect the power cable from the UEC to the plug on the PCB of the power interface cable.
5. Move the board to the UEC back and install the four screws to secure it in place.

**WEAR ESD GROUND STRAP WHEN HANDLING PCB**



# INSTALLING THE TOP COVER ASSEMBLY OF THE UEC-4800

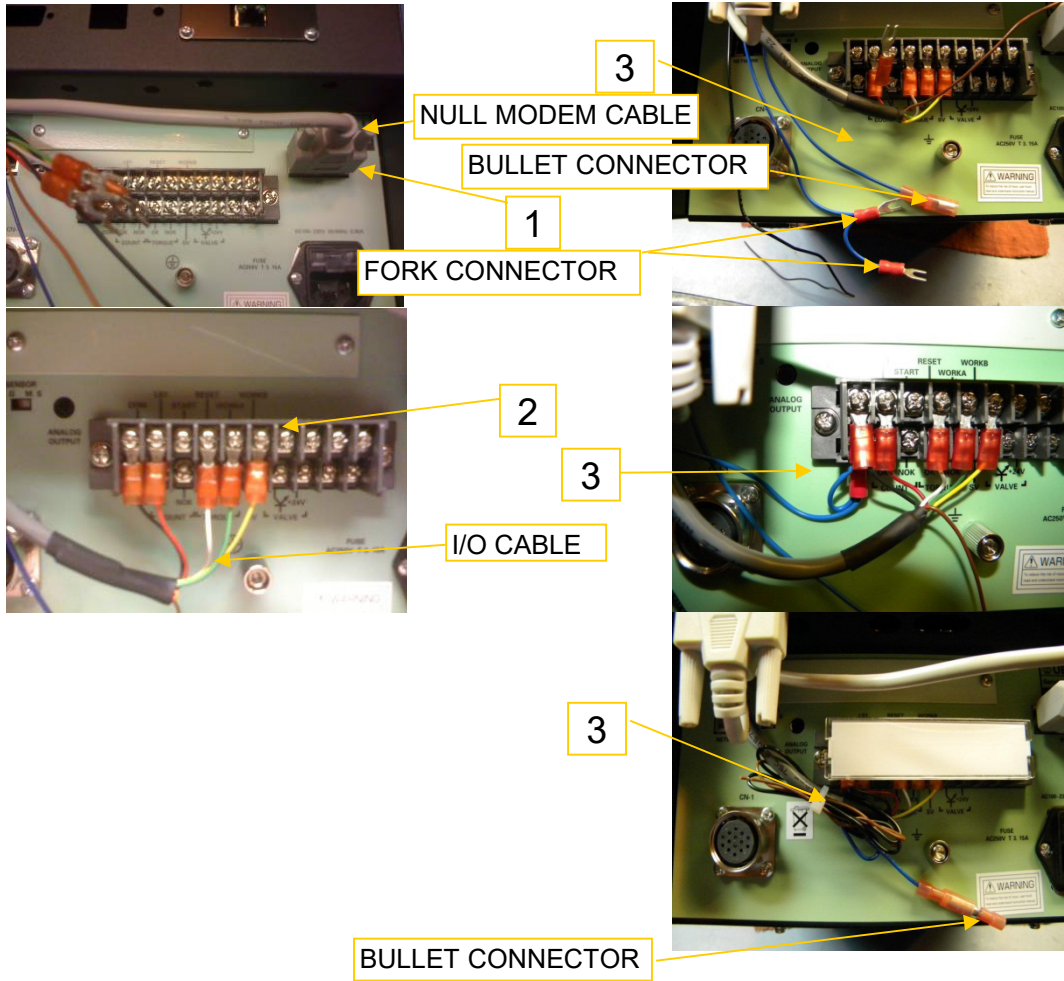


BILL OF MATERIALS		
PART NUMBER	QTY	DESCRIPTION
UEC-4800	0	Torque Controller
UEC-4800EPL-UPGRAD	1	Kit

1. Install the front panel back in to the board on the UEC, secure tightly.
2. Install the top cover assembly to the UEC and reinstall the eight screws that hold the cover in place, making sure not to pinch the wires coming out of the back.
3. Install the two screws that hold the front panel in place.

**WEAR ESD GROUND STRAP WHEN HANDLING PCB**

# INSTALLING THE DATA AND I/O CABLE TO THE UEC



BILL OF MATERIALS		
PART NUMBER	QTY	DESCRIPTION
UEC-4800	0	Torque Controller
UEC-4800EPL-UPGRAD	1	Kit

1. Connect the UEC null modem cable to the DB9 PC plug on the back of the UEC.
2. Connect the I/O cable to the I/O terminal block top row on the back of the UEC, black wire to COM (upper)/IN COM, red wire to LS1/IN6, white wire to RESET/IN3, green wire to work A/IN4 and yellow wire to work B/IN5
3. Connect the red fork with the two blue wires to the lower COM and the other red fork and the black wire to the top COM. Install male bullet (26376) into the bullet connector on the blue wire. Bundle wires, zip tie, and reinstall the I/O cover.

**WEAR ESD GROUND STRAP WHEN HANDLING PCB**

# INSTALLING THE PROFIBUS TO THE UEC



BILL OF MATERIALS		
PART NUMBER	QTY	DESCRIPTION
UEC-4800	0	Torque Controller
UEC-4800EPL-UPGRAD	1	Kit

1. Connect the UEC PFB serial cable to the Profibus Slave Card and tighten the two screws on the connector. You will need to set the two pots of the Profibus Slave Card. Set MSD to zero and set LSD to eight.

**WEAR ESD GROUND STRAP WHEN HANDLING PCB**



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