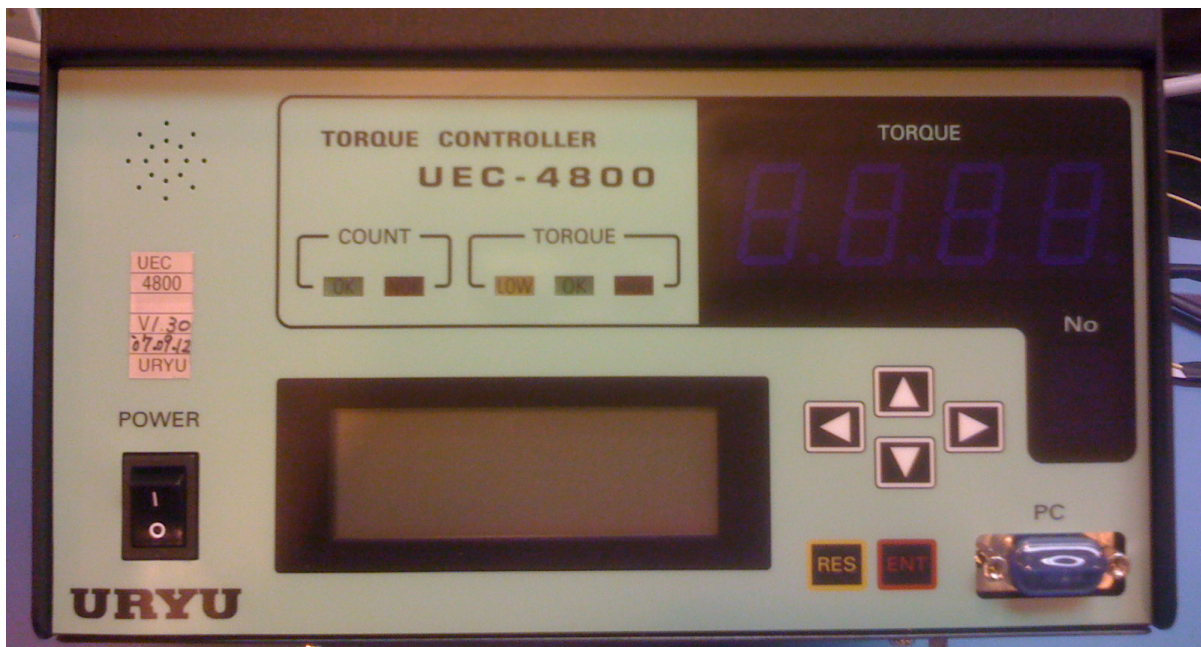




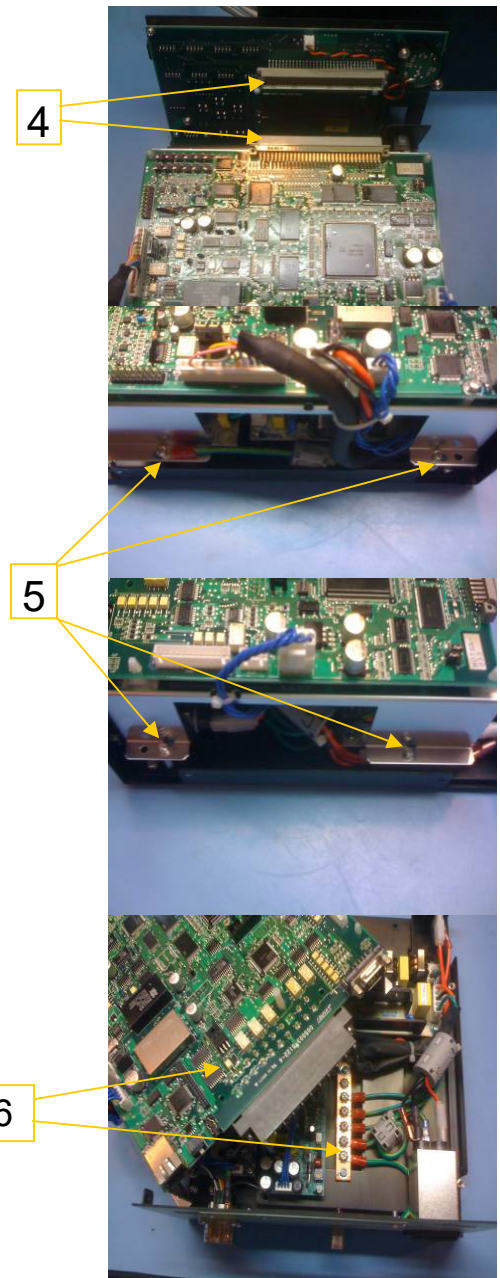
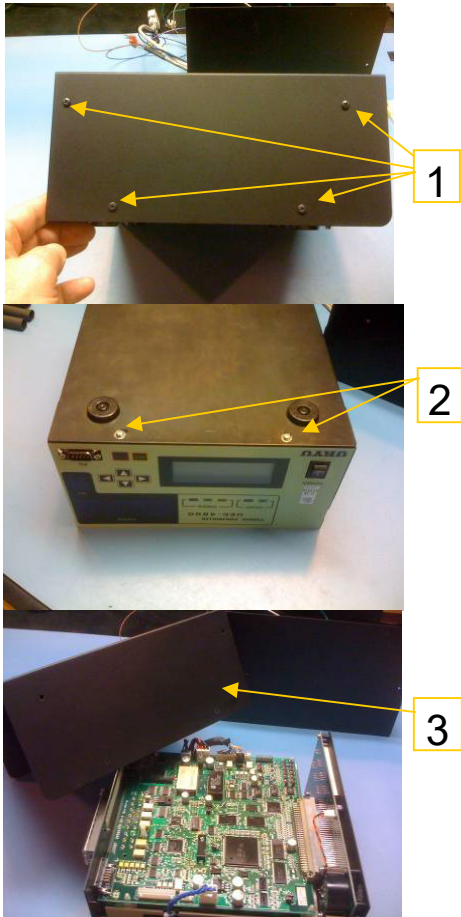
## UEC-4800EX Upgrade



**INSTRUCTION MANUAL**



# DISASSEMBLY OF UEC-4800



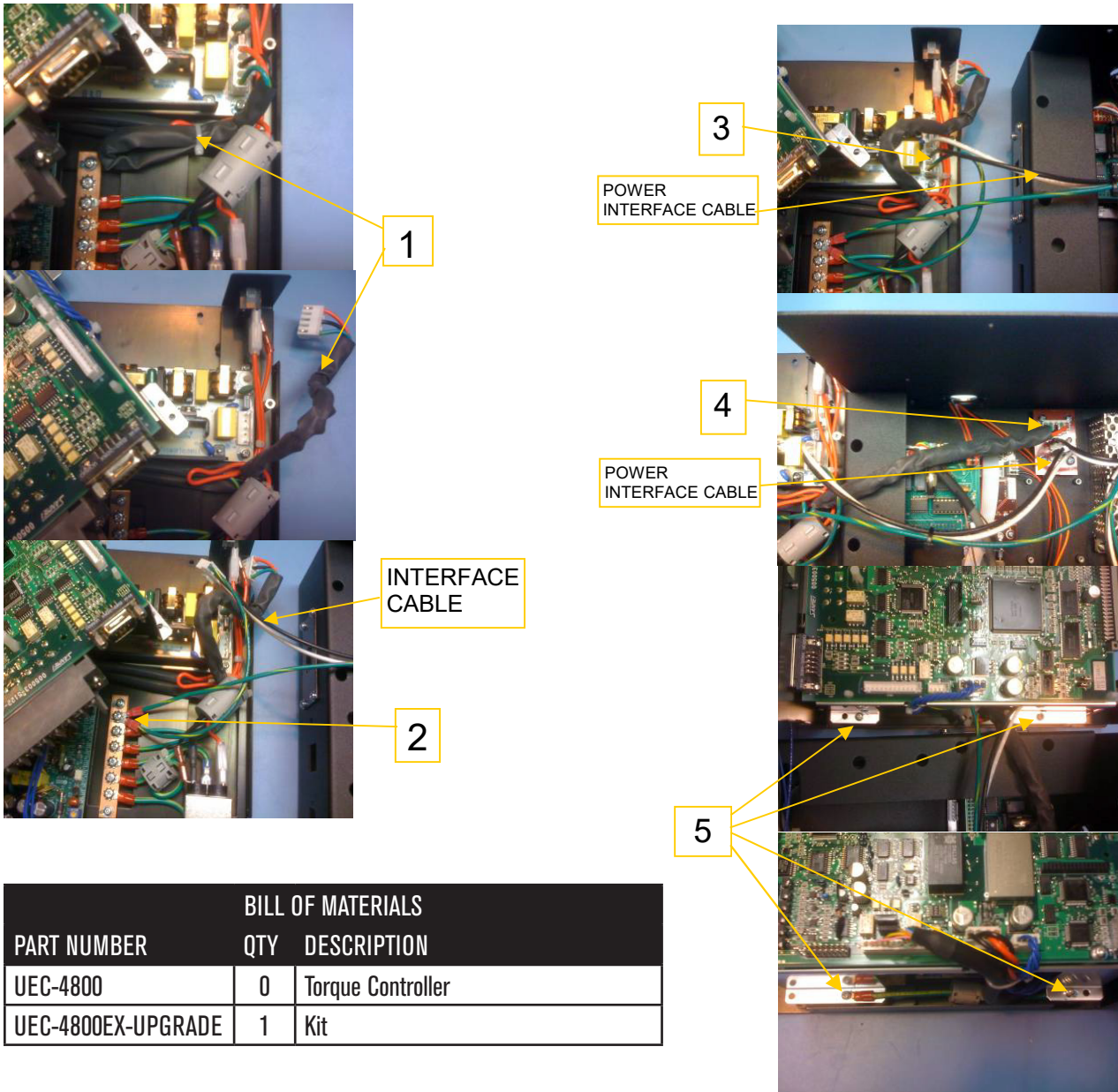
## BILL OF MATERIALS

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

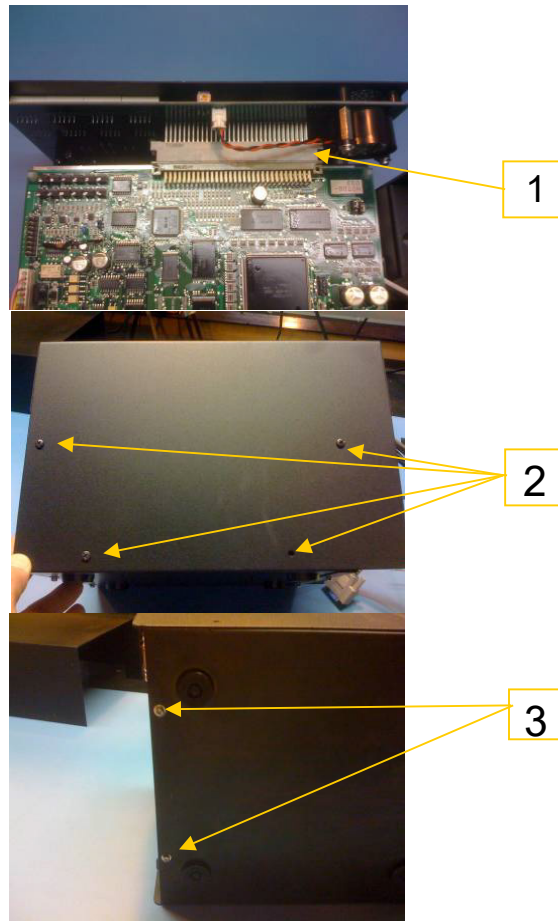


BILL OF MATERIALS		
PART NUMBER	QTY	DESCRIPTION
UEC-4800	0	Torque Controller
UEC-4800EX-UPGRADE	1	Kit

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 the 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

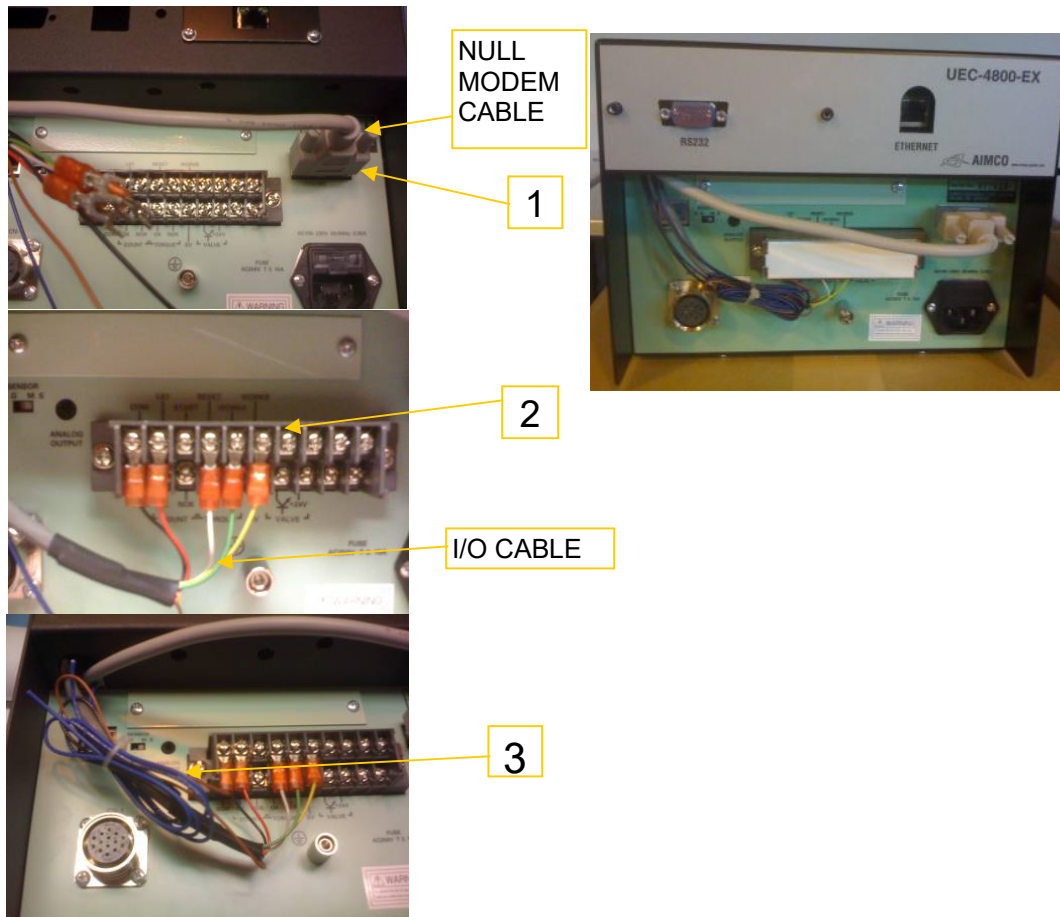


BILL OF MATERIALS		
PART NUMBER	QTY	DESCRIPTION
UEC-4800	0	Torque Controller
UEC-4800EX-UPGRADE	1	Kit

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 screw 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-4800EX-UPGRADE	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. Wire tie the two blue wires, black wire, and brown wire to the I/O cable.

**WEAR ESD GROUND STRAP WHEN HANDLING PCB**

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Document Change Log: Initial Release



**AIMCO CORPORATE HEADQUARTERS**

10000 SE PINE STREET  
PORTLAND, OREGON 97216  
PHONE: (503) 254-6600  
TOLL FREE: 1-800-852-1368

**AIMCO CORPORATION DE MEXICO SA DE CV**

AVE. CRISTOBAL COLON 14529  
CHIHUAHUA, CHIHUAHUA. 31125  
MEXICO  
PHONE: (01-614) 380-1010  
FAX: (01-614) 380-1019