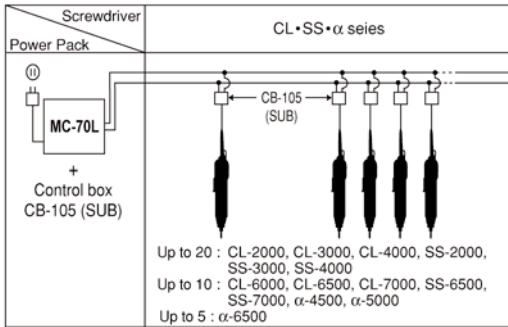


## MC-70L Transformer

Rev 1.0 (June 16, 2011)

Operates between 5 -20 HIOS electric screwdrivers, depending on type of screwdrivers being used. Requires CB105 Sub Control Boxes.

### MC-70L, Electric Screwdriver and Sub Control Box Combinations



**MC-70L  
Transformer  
(Power Supply)**



**CB-105  
Sub Control Box**

Only one electric screwdriver can be connected to the model CB-105 control box. Connect the CB-105 control box between the MC-70L transformer and the electric screwdriver.

### CB-105 Sub Control Box

Each sub control box has its own circuit board that diverts power from the motor to an electromagnetic brake when the driver reaches its predetermined torque.

Item # 144250      Cord Length: 78"      Weight: 18.5 oz.

### How to Wire the MC-70L Transformer

There are two plus-minus pairs of terminals on the back of the transformers's case for connection of the trunk-line wires.

### Caution

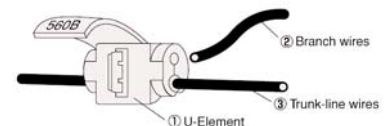
1. When connecting the trunk-line wire, be sure the red wire goes to the plus terminal and the black wire to the minus terminal.
2. Use no more than the 20 meters of trunk-line wiring provided. A longer lead would result in delivery of insufficient voltage that can cause electric screwdriver malfunction.

### Connecting procedure

1. Use U-Element to connect the trunk-line wire to the sub control box. Allow a suitable amount of trunk-line wire, then connect a female terminals of branch wire to a male terminals of CB-105, making sure both wires are the same color.
2. Connect the driver's power cord to the control box output connector. 560B

It is recommended that the U-Element (included with the power unit) be used to attach a branch wire to the main wire.

1. Holding the slot at the bottom of the element open, push the trunk-line wire into the groove.
2. Insert the cut area of the branch wire through the upper hole from the right and push it in all the way to the opposite end.
3. Use pliers to forcefully push U-Element flat with plastic body.
4. Snap on the insulation cover.



1.U-Element  
Parts No.: MCLK-560B

2. Branch wire 0.75 x 0.5 m  
Parts No.: RED: MCCBS-RD  
BLACK: MCCBS-BK

3.Trunk-line wire 2 x 2 m  
Parts No.: RED: MCCBM-RD  
BLACK: MCCBM-BK

## MC-70L Transformer

Rev 1.0 (June 16, 2011)

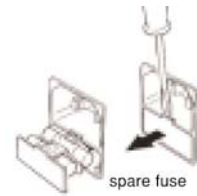
### Set-up and Operation

1. Be sure that the power source for charging this unit is equipped with a circuit breaker.
2. Securely place the power cord into the back of the MC-70L. Flip the switch on the front to turn on the power.
3. Attach cord of the electric screwdriver to the CB 105 Sub Control Box. Make sure notch in plug lines up with the notch in the socket. Tighten knurled ground ring.
4. Select HIGH & LOW speed button on MC-70L. Select the appropriate speed for your application (Only 1 speed can be selected for all electric screwdrivers operated with MC-70L transformer).
5. Turn each electric screw driver on and check for proper rotation. FOR-clockwise, REV-counterclockwise.
6. To apply torque for each electric screwdriver, squeeze the lever (For Push-to-Start models place light downward pressure on the nose of the driver). The driver will automatically stop when the preset torque has been reached.

**Note!** The transformer is designed to only operate the HIOS CL-Series, SS-Series & A-Series electric screwdriver models.

### Replacing a Fuse

The LED will not light when the fuse burns out. If the LED doesn't go on after the fuse is replaced, the power cord may be damaged. In this case, discontinue use immediately and notify a Mountz Inc..



### Storage

1. Store the transformer in a place free from excessive humidity, temperature and dust. Keep it away from metallic objects.
2. Do not place objects on top of the unit.
3. When storing, firmly secure the unit and be sure there is no danger of it slipping or falling.
4. Do not store the unit next to high voltage equipment.
5. Use the fittings provided to secure the transformer to a stable surface.

### Cautionary Notes

1. Connect to a transformer of only the specified voltage.
2. Do not drop the transformer or subject it to violent impact.
3. Do not attempt to use the transformer for any purpose other than that described here.
4. Do not drag the unit by its power cord. Keep the cord away from foreign objects, oil and sharp implements.
5. When disconnecting the power cord, always grasp it by the plug.
6. If the unit overheats, activates a circuit breaker or exhibits other abnormalities, cease operation immediately and send it to Mountz for repair. Do not disassemble or modify the unit.
7. When the unit is not in use, turn the power switch off and disconnect the unit from its power source.

### Specifications:

Maximum Output: 15A

Fuse: 5A

Break: 10A

Output VDC: 20/30V

Input VAC: 120V

Size inches (W x D x H): 12 1/2" x 8 2/3" x 6"

Weight: 26.4 lbs

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