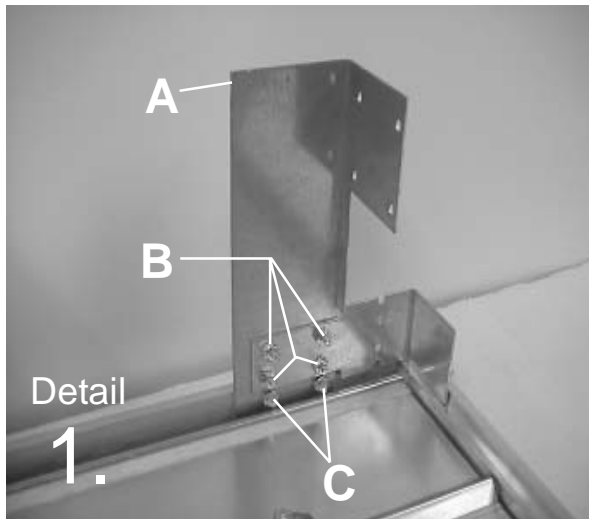


BD-33

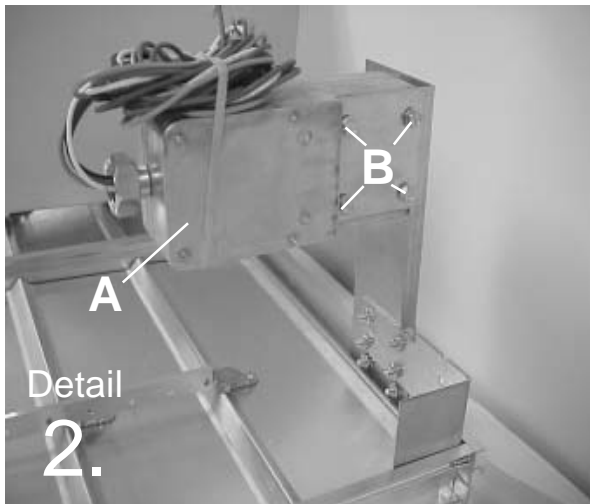
MK-5047 MOTOR KIT SINGLE PANEL

MOUNTING INSTRUCTIONS HORIZONTAL CEILING MOUNTED APPLICATION



Detail 1.) Motor Mounting Bracket (A)

- Assemble motor mounting bracket assembly as shown using (4) 10-24 x 1/2" bolts. (B)
- Place bracket as shown; mark hole placement and drill (2) 7/32" dia. holes. Attach using (2) 10-24 x 1/2" bolts with hexnuts and star washers. (C)

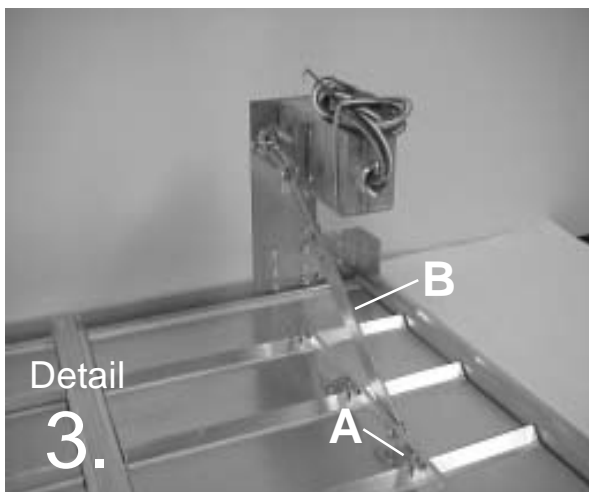


Detail 2.) Mounting Motor (A)

- Mount motor to bracket using (4)-#10 x 1/4" long bolts and star washers (B).

Detail 3.) Mounting Drive Linkage

- Drill 7/32" hole 1 1/2" from blade bracket (A) linkage pivot, as shown. Attach one end of adjustable connecting linkage (B) with #10-24 x 5/8" bolt, bronze bearing, and #10-24 hexnut with star washer.
- Attach other end of adjustable linkage to motor lever arm with #10-24 x 5/8" long bolt, bronze bearing, and #10-24 hexnut with star washer. Slide to end of motor lever arm.



- 4.) Using the motor crank arm, cycle damper manually to full open, and release for spring return.

- 5.) Connect Power Supply per wiring diagram as outlined on motor housing utilizing correct voltage.

MESTEK, INC.

BD-33* Motor Kit Instructions

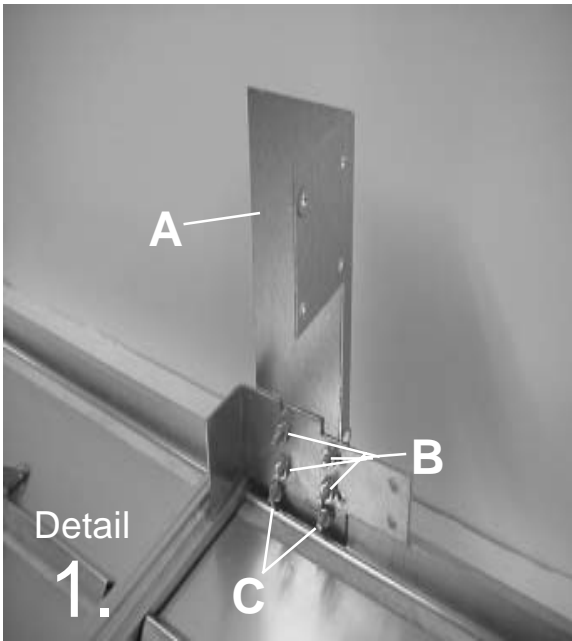
BD-33

MK-4782 MOTOR KIT

DOUBLE PANEL

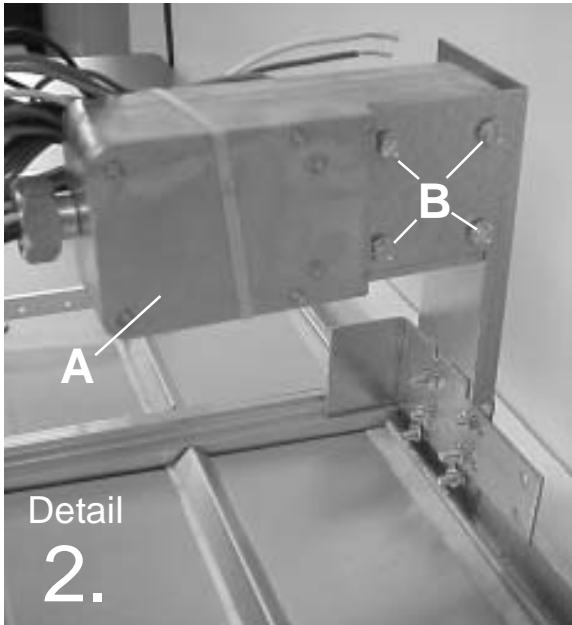
MOUNTING INSTRUCTIONS

HORIZONTAL MOUNTED APPLICATION



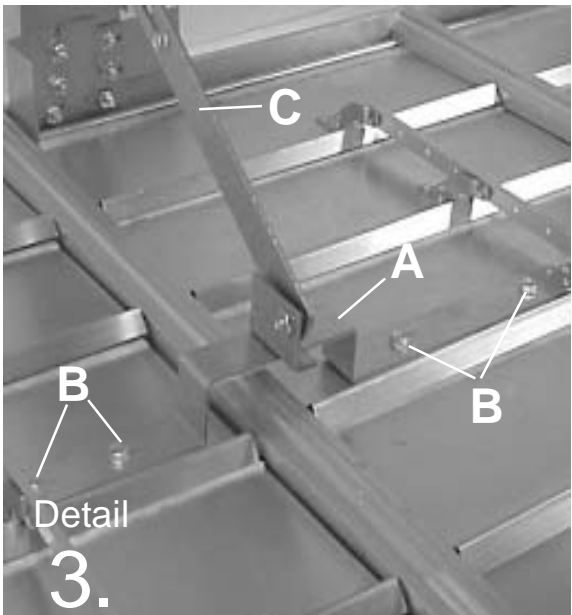
Detail 1.) Motor Mounting Bracket (A)

- Assemble motor mounting bracket assembly as shown using (4) 10-24 x 1/2" bolts. (B)
- Place bracket as shown; mark hole placement and drill (2) 7/32" dia. holes. Attach using (2) 10-24 x 1/2" bolts and hexnuts with star washers. (C)



Detail 2.) Mounting Motor (A)

- Mount motor to bracket using (4)-#10 x 1/4" bolts and star washers (B).



Detail 3.) Mounting Drive Blade Jumper Bracket (A)

- Position jumper bracket centered and against "V" as shown. Using bracket as template, drill (4) 7/32" dia. holes. Attach using (4) 10-24 x 1/2" bolts, hexnuts, and star washers. (B)
- Attach one end of adjustable linkage bar (C) to motor lever arm with #10-24 x 5/8" bolt, bronze bearing, and 10-24 hexnut with starwasher. Slide to end of motor lever arm. Attach other end to jumper bracket with the same fastening method.

4.) Using the motor crank arm, cycle damper manually to full open, and release for spring return.

5.) Connect Power Supply per wiring diagram as outlined on motor housing utilizing correct voltage.

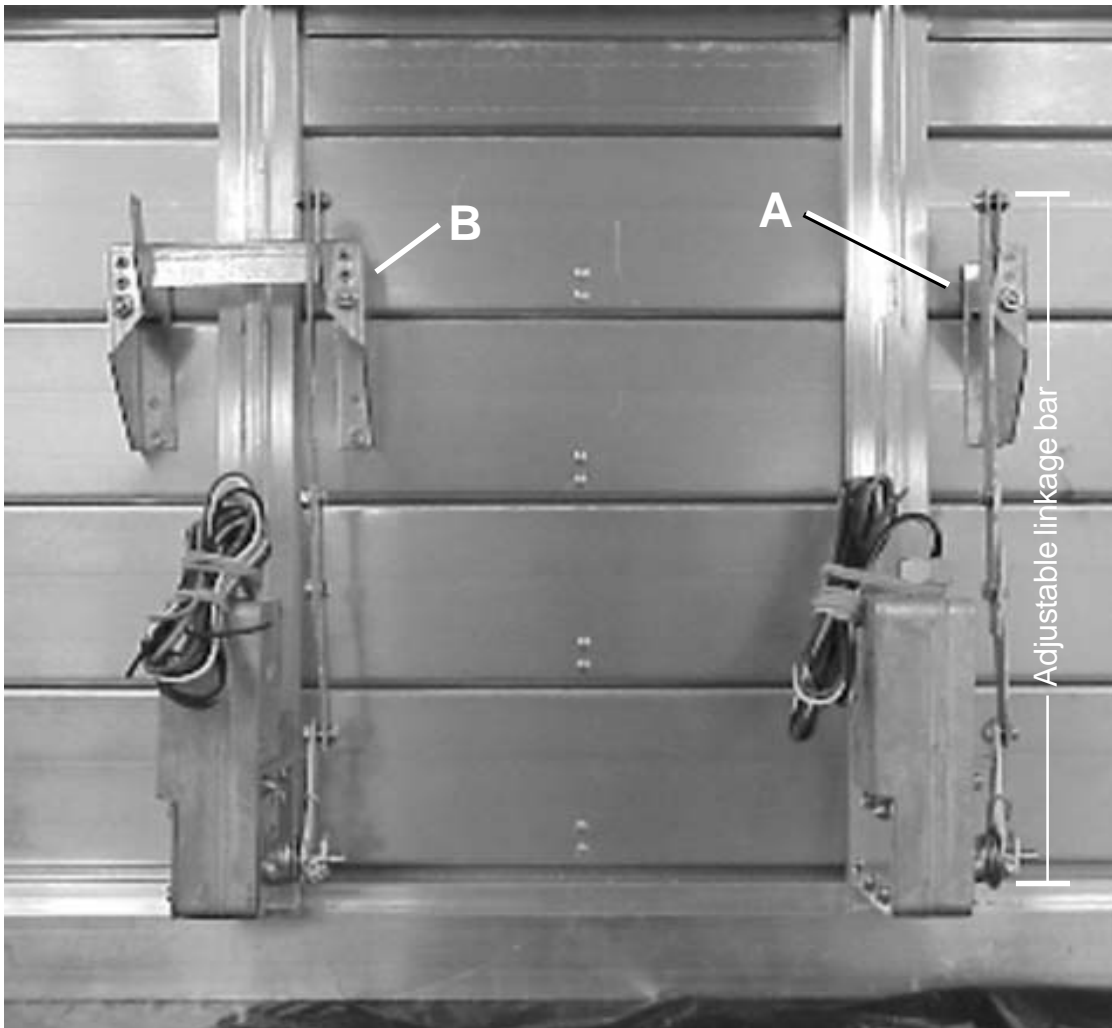
MESTEK, INC.

MK-5047 & 4782 MOTOR KIT

MOUNTING INSTRUCTIONS

HORIZONTAL MOUNTED APPLICATION

THREE PANEL KIT - COMBINATION OF SINGLE & DOUBLE PANEL KITS



Triple Panel kit shown above. Use MK-4782 mounting instructions for both assemblies, with the difference being that the remaining panel uses a single drive blade bracket (A) in place of the jumper bracket (B).

NOTE: A 20" high panel is shown above. For larger panels (over 36" high), move the motor assembly $\frac{1}{3}$ to $\frac{1}{2}$ way up the panel.

Motor Kit Parts List

<u>MCL #</u>	<u>Part Name (Description)</u>
6393	Blade Operating Bracket
8040	Crook Bolt -- 1/4-20
8034	1/4-20 Hexnut with Starwasher
**	Motor (See below for voltage)
6394	Motor Mounting Bracket (Single Panel)
6396	Motor Mounting Bracket (Double and Triple Panel)
8015	#10-24 x 3/8" Screw (No. Req'd: Single and Triple Panel - 5; Double Panel - 6)
8000	#10-24 x 1/2" Screw (2 Req'd for all)
8016	#10-24 x 5/8" Screw (No. Req'd: Single Panel - 1; Double and Triple Panel - 2)
8010	#10 Flatwasher (No. Req'd: Single and Triple Panel - 1; Double Panel - 2)
8011	#10 Starwasher (4 Req'd for all)
8012	#10-24 Hexnut with Starwasher (No. Req'd: Single Panel - 4; Double Panel - 6; Triple Panel - 5)
6120	Oil Impregnated Bronze Bearing (No. Req'd: Single Panel - 1; Double and Triple Panel - 2)
6395	Linkage Connecting Bar (Single Panel)
6397	Linkage Connecting Bar (Double & Triple Panel)
6509	Motor Arm
8021	1/4-20 x 3/4" Hex Head Screw (1 Req'd for all)
8041	1/4-20 Square Nut (1 Req'd for all)
**MCL	Motor Voltage
5063	120/240VAC (Dual Voltage)
5064	440VAC
5065	550VAC
5066	24VAC