Motor housing has 9 screws (refer to Screw Index).

It is **very important** that correct screws are installed back in locations shown.

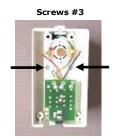
DO NOT over-tighten these screws because that can damage the housing.

SCREW INDEX

Screw 1: 2-1/4" long (2 each) Screw 2: 3/4" long (2 each) Screw 3: 1/2" long (3 each) Screw 4: 1" long (2 each)

STEP 1: Remove Screws #1 and #2. Then, lift-off Rear-Cover to access interior.





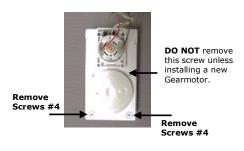
STEP 2:

- Leave Red & Black wires attached to motor terminals.
- Carefully bend both motor terminals up to vertical.
- Grasp Circuit Board, lift up and unsnap it from its 2 mounting posts.
- Remove both Screws #3.

STEP 3: Leave wires attached to motor terminals. Separate housings. Guide the Circuit Board out.



STEP 4: Remove Screws #4.



Open housing as shown.



ADD-A-MOTOR PART INSTALLATION

Motor housing has 9 screws (refer to Screw Index).

It is **very important** that correct screws are installed back in locations shown.

DO NOT over-tighten these screws because that can damage the housing.

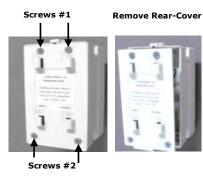
Side 1 of 2

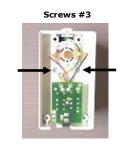
SCREW INDEX

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STEP 1: Remove Screws #1 and #2. Then, lift-off Rear-Cover to access interior.





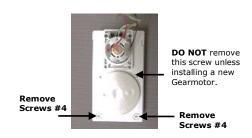
STEP 2:

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- Carefully bend both motor terminals up to vertical.
- Grasp Circuit Board, lift up and unsnap it from its 2 mounting posts.
- Remove both Screws #3.

STEP 3: Leave wires attached to motor terminals. Separate housings. Guide the Circuit Board out.



STEP 4: Remove Screws #4.



Open housing as shown.

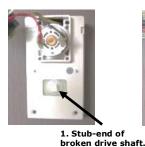


INSTALL NEW DRIVE SHAFT

1. Example of broken Drive Shaft stub protruding from Gearmotor.

2. Turnover. Push gear-end of Drive Shaft only in direction shown.

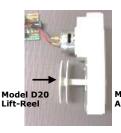
CAUTION: Force needed. Protect hands, housing and motor.

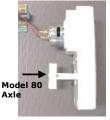




unless replacing a gear 2. Push gear-end ONLY in direction shown and then discard it.

Install new Drive Shaft by pushing **only** in direction shown. Push thru Gearmotor hub until gear-end protrudes fully.







After install, gear should protrude fully thru hub.

REPLACE FRONT COVER ASSEMBLY

G W Y



Front Cover Assembly interior showing 2-sided black Control Gear mounted on white post (small gear must face down).

Also shown is Stop Switch and 3 terminals. Connect Green wire to left terminal, White to center, and Yellow to right terminal.

VERY IMPORTANT - MODEL 80 DRAPERY MOTOR ONLY - TO PREVENT DAMAGE:

- 1. BEFORE installing motor, OPEN drapery HALFWAY.
- 2. IF EVER drapery does not close properly, make **BOTH** adjustments below **soon as possible**:
 - A. ADJUST motor to STOP as soon as drapery is fully closed, and also ...
 - B. ADJUST motor to STOP 4 inches or more **BEFORE** FULL OPEN.
- 3. ALWAYS, ALWAYS keep motor adjusted to STOP 4 inches or more **BEFORE** FULL OPEN.



REMOVE BROKEN DRIVE SHAFT

1. Example of broken Drive Shaft stub protruding from Gearmotor.

2. Turnover. Push gear-end of Drive Shaft **only** in direction shown.

CAUTION: Force needed. Protect hands, housing and motor.



1. Stub-end of broken drive shaft.

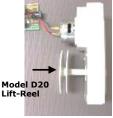


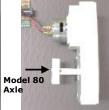
screws in Gearmotor unless replacing a gear. 2. Push gear-end ONLY in direction shown and then discard it.

INSTALL NEW DRIVE SHAFT

Side 2 of 2

Install new Drive Shaft by pushing **only** in direction shown. Push thru Gearmotor hub until gear-end protrudes fully.







After install, gear should protrude fully thru hub.

REPLACE FRONT COVER ASSEMBLY

G W Y



Front Cover Assembly interior showing 2-sided black Control Gear mounted on white post (small gear must face down).

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