BRAKE KIT
MODELS K71-B1PH-1, K71-B3PH-1 & K71-B575-1

The kit will provide up to 5 lb-ft of braking torque at 1725 RPM.

Model K71-B1PH-1 . . . For SL585501U, SL585101U, SL585151U, SL595101U, & SL595151U single phase gate operators

Model K71-B3PH-1 . For SL585103U, SL585503U, SL595103U, & SL595203U three phase gate operators

Model K71-B575-1 . . . For SL585105U, SL585505U, SL595105U, & SL595205U 575V three phase gate operators

⚠⚠ WARNING

To prevent possible SERIOUS INJURY or DEATH, disconnect electric power to operator BEFORE installing.

ALL installations and electrical connections MUST be made by a qualified individual.

CARTON INVENTORY

- Instructions
- Solenoid Brake Assembly
- Brake Hub Assembly
- Adhesive

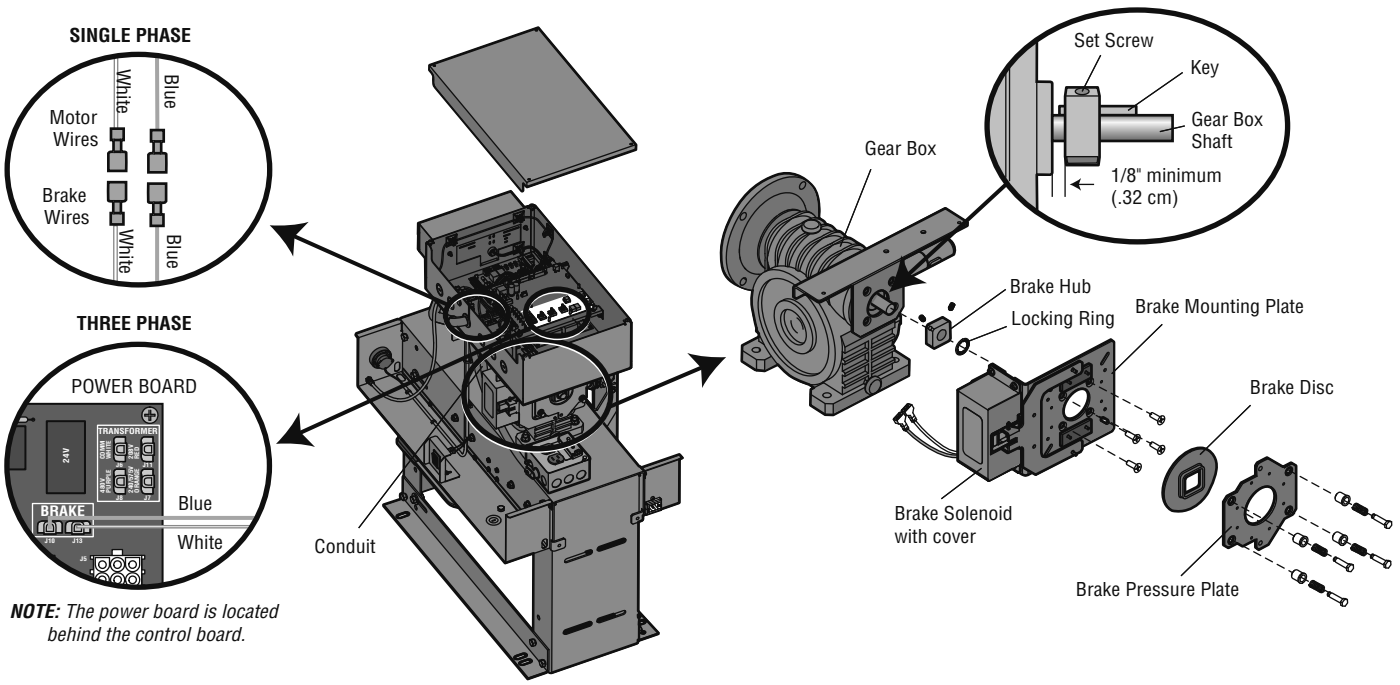
MODEL SL585

REMOVE EXISTING BRAKE KIT

1. Disconnect power to operator.
2. **Single Phase Operators:** Disconnect the brake solenoid wires from the motor wires (located in the electrical box). **Three Phase Operators:** Disconnect the brake solenoid wires from the power board (located behind the control board).
3. Disconnect the conduit from the brake solenoid and pull the brake solenoid wires out of the conduit.
4. Remove the bolts, springs, and spacers from the brake pressure plate.
5. Remove the brake pressure plate and brake disc.
6. Remove the brake mounting plate and brake solenoid by removing the 4 screws.
7. Loosen the set screws on the brake hub.
8. Remove the locking ring and brake hub from the gear box shaft.
9. Remove the key from the gear box shaft.

INSTALL THE NEW BRAKE KIT

1. Install the new key on the gear box shaft.
2. Place the new brake hub onto the gear box shaft. Position the brake hub 1/8" (.32 cm) minimum from the gear box. Apply adhesive to the set screws, then tighten to 75 ±5 in-lbs.
3. Place the locking ring in front of the brake hub.
4. Apply adhesive to the screws for the brake mounting plate, then install the brake mounting plate and brake solenoid.
5. Install the brake disc and brake pressure plate with the bolts, springs, and spacers.
6. Pull the brake solenoid wires through the conduit and connect the conduit to the brake solenoid.
7. **Single Phase Operators:** Connect the brake solenoid wires to the motor wires.
   Three Phase Operators: Connect the brake solenoid wires to the power board.
8. Reconnect power to operator.
9. Run the operator to make sure the brake is working smoothly.

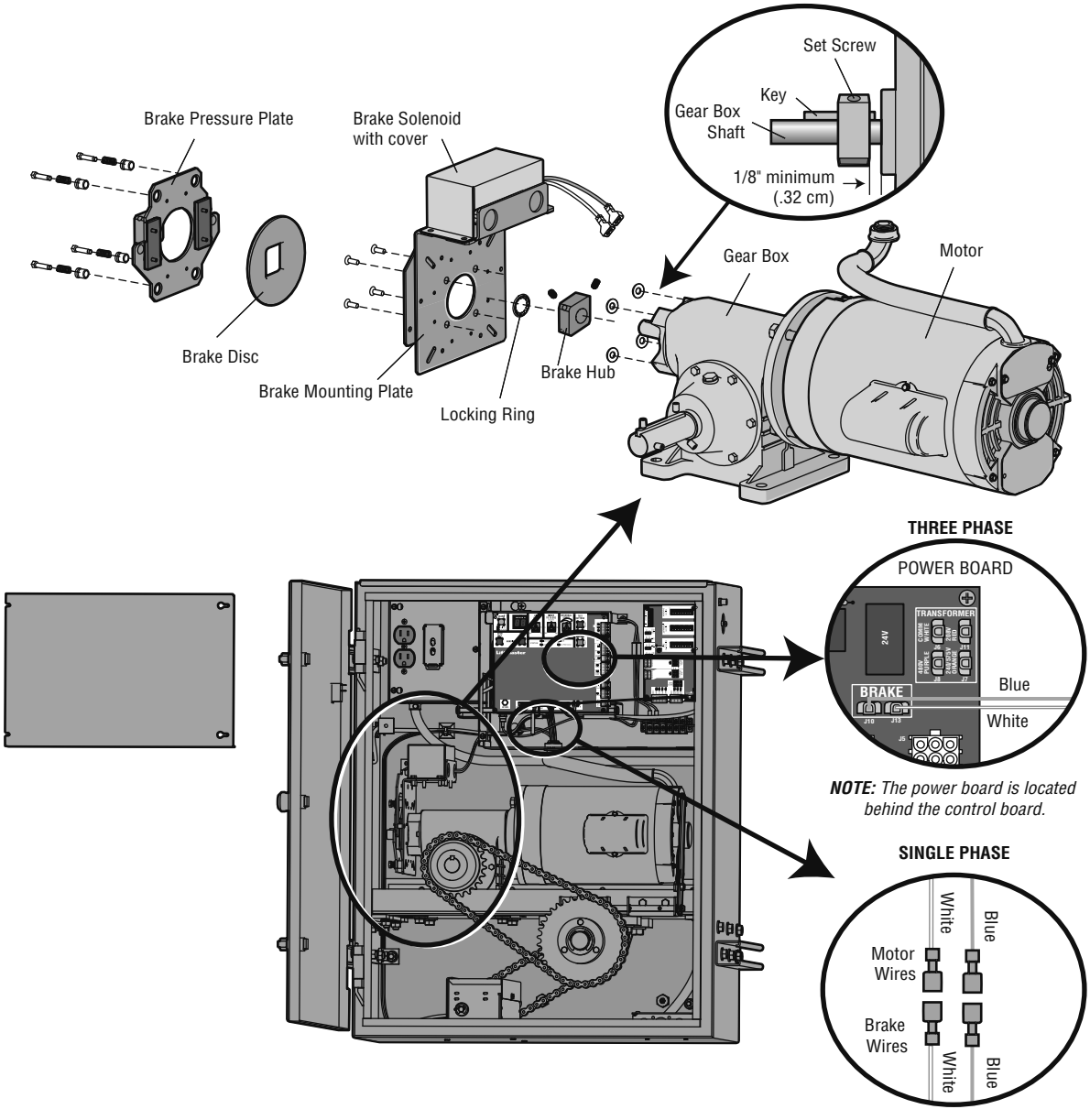


NOTE: *The power board is located behind the control board.*

MODEL SL595

REMOVE EXISTING BRAKE KIT

1. Disconnect power to operator.
2. Unbolt the gear box and motor and slide to the right.
3. **Single Phase Operators:** Disconnect the brake solenoid wires from the motor wires (located in the electrical box).
   Three Phase Operators: Disconnect the brake solenoid wires from the power board (located behind the control board).
4. Remove the bolts, springs, and spacers from the brake pressure plate.
5. Remove the brake pressure plate and brake disc.
6. Remove the brake mounting plate and brake solenoid by removing the 4 screws.
7. Loosen the set screws on the brake hub.
8. Remove the brake hub from the gear reducer shaft.
9. Remove the locking ring and brake hub from the gear box shaft.
10. Remove the key from the gear box shaft.

INSTALL THE NEW BRAKE KIT

1. Install the new key on the gear box shaft.
2. Place the new brake hub on the gear box shaft. Position the brake hub 1/8" (.32 cm) minimum from the gear box. Apply adhesive to the set screws, then tighten to 75 ±5 in-lbs.
3. Place the locking ring in front of the brake hub.
4. Apply adhesive to the screws for the brake mounting plate, then install the brake mounting plate and brake solenoid.
5. Install the brake disc and brake pressure plate with the bolts, springs, and spacers.
6. Reattach the gear box and motor.
7. **Single Phase Operators:** Connect the brake solenoid wires to the motor wires.
   Three Phase Operators: Connect the brake solenoid wires to the power board.
8. Reconnect power to operator.
9. Run the operator to make sure the brake is working smoothly.