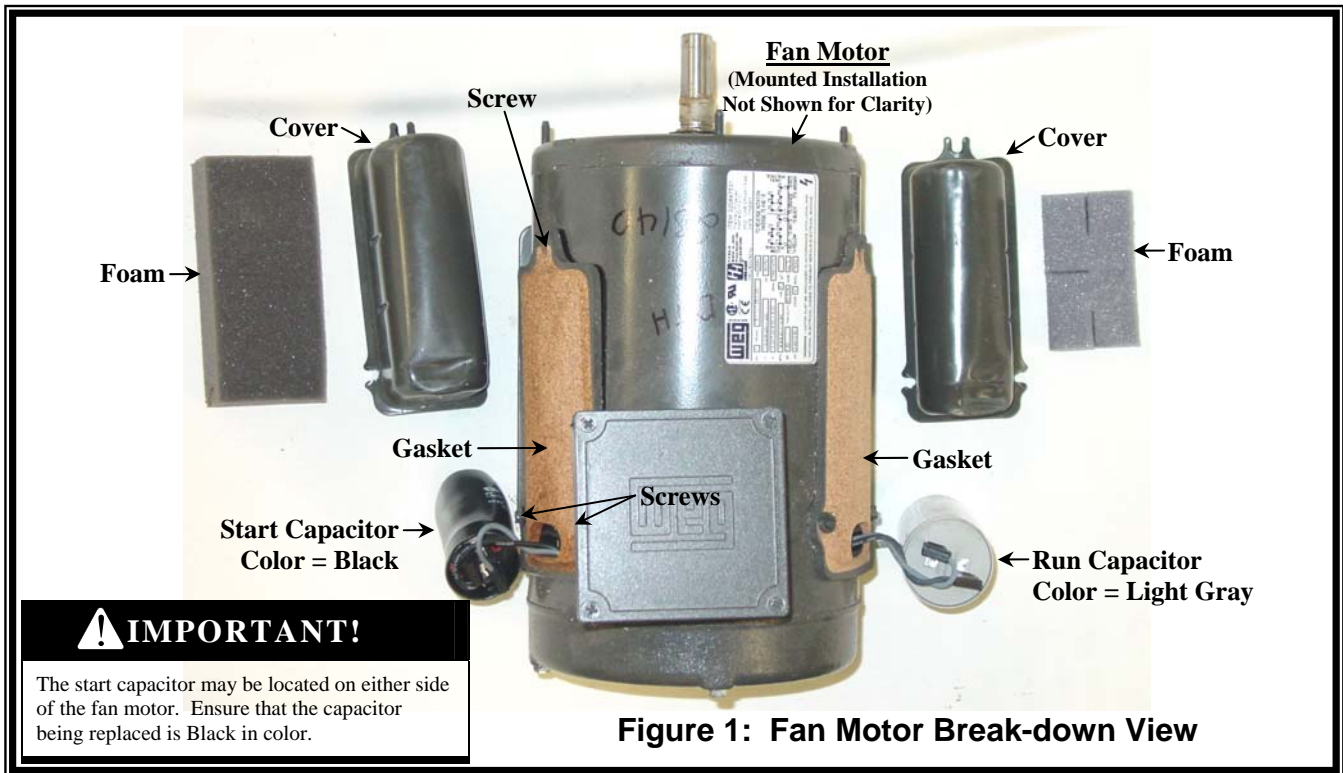




HIRED-HAND®

REPLACEMENT INSTRUCTIONS

3017-3101 Fan Motor Start Capacitor



⚠ IMPORTANT!

The start capacitor may be located on either side of the fan motor. Ensure that the capacitor being replaced is Black in color.

⚠ WARNING!

1. Only qualified electrician personnel familiar with the construction and operation of this equipment and the hazards involved should install and/or service this equipment. It is important that all standard electrical codes be observed when wiring the fan. Read and understand all instructions and diagrams before proceeding. Failure to observe this precaution could result in equipment damage, severe bodily injury, or loss of life.
2. Disconnect power source before installing or servicing fan. Failure to disconnect power source can result in property damage, serious injury, or death.
3. When connected to an automatic controller, FAN MAY START AT ANY TIME.
4. IMPORTANT! Before Operating Fan, Inspect Fan For any Object That May Obstruct Blade Rotation.
5. When this fan is used in a life support ventilation system where failure could result in loss or injury, the user should provide adequate backup ventilation or accept the risk of such loss or injury.
6. Discharge capacitor appropriately prior to handling.

DESCRIPTION

The replacement instructions in this document provide details for replacing the fan motor start capacitor (3504-7102) specifically for the WEG fan motor (3017-3101).

Tools Required

¼" Nut Driver

Replacement Part Number

3504-7102	Start Capacitor for WEG 3017-3101 Motor
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⚠ IMPORTANT!

The start capacitor may be located on either side of the fan motor. Ensure that the capacitor being replaced is Black in color.

Locate & Identify The Start Capacitor

- (1) Turn the fan circuit breaker OFF. Ensure that all electrical power to the fan motor is disconnected/off.
- (2) Starting on either side of the fan motor, remove the three cover screws from the cover as shown in **Figures 1 and 2**.
- (3) Inspect the capacitor first to verify that the capacitor is Black in color. Black is the correct start capacitor color. If the capacitor is Light Gray, reinstall the cover and then remove the cover on the opposite side of the fan motor.
- (4) If the capacitor is Black, disconnect the two connectors from the old start capacitor and reconnect to the new start capacitor. **Refer to Figure 3**. Remove and discard the old start capacitor.
- (5) If the NEW start capacitor is noticeable larger than the old start capacitor, the foam which was originally placed between the old capacitor and the cover will no longer fit with the new larger capacitor. Remove the foam and reduce the overall length by tearing the foam in half. **Refer to Figure 4**.
- (6) Place the new start capacitor inside the cover and then insert the foam in the end of the cover to insulate/protect the connectors and terminals. **Refer to Figure 5**.
- (7) While carefully tucking wires inside the cover to prevent the wires from being pinched, reassemble the cover assembly to the motor and gasket with the three screws as shown in **Figure 2**.
- (8) Reassemble the cover assembly as shown in **Figure 2**.
- (9) Conduct a fan operation test to verify that the fan goes from OFF to full speed in approximately 2-3 seconds. Check the fan's complete functionality.

