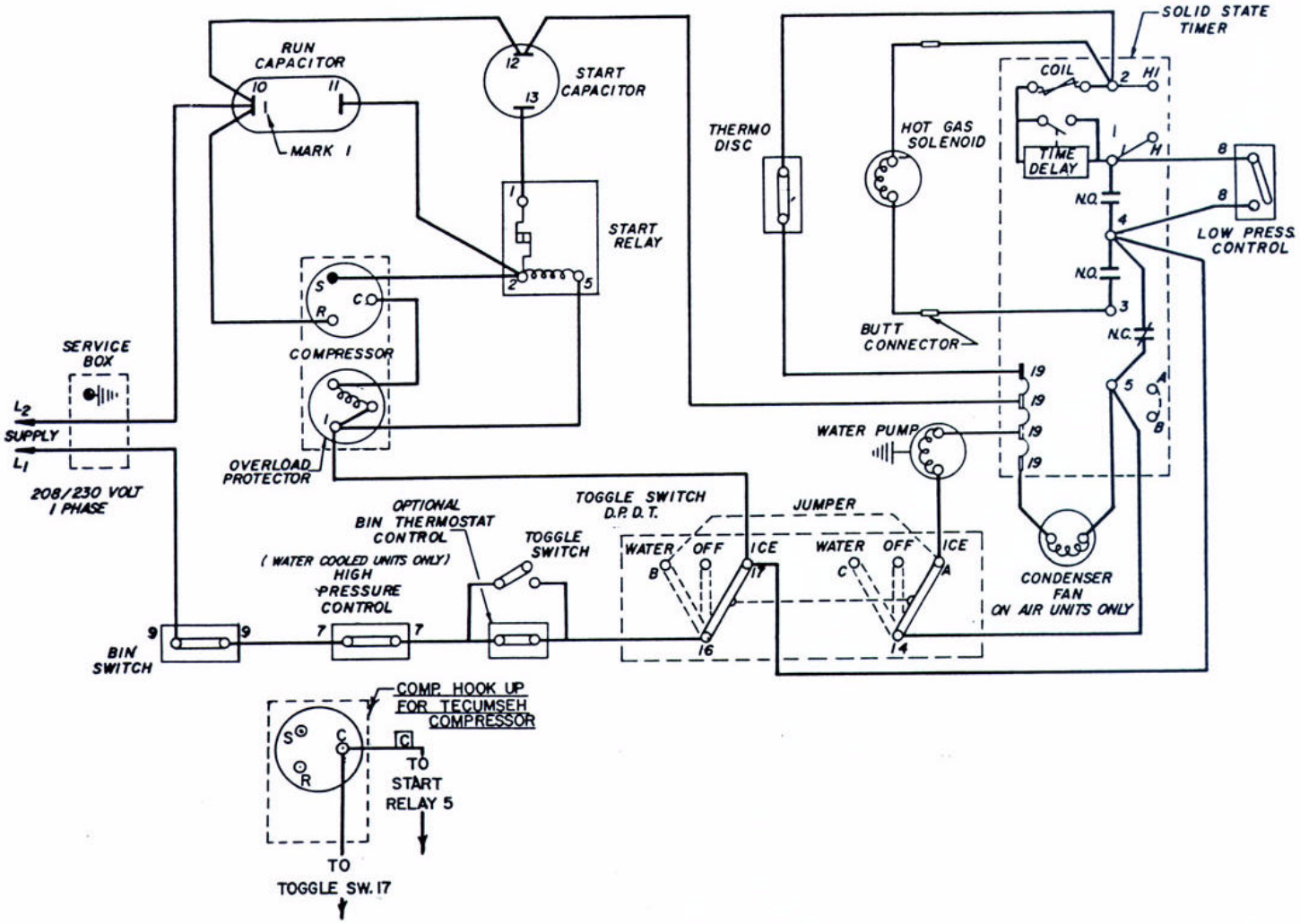


WIRING DIAGRAM C0600 SERIES CUBER 208/230 VOLT I PHASE SOLID STATE TIMING 50 OR 60 HZ.

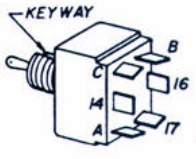
SHOWN AT BEGINNING OF ICE-MAKING CYCLE, HIGH PRESSURE CONTROL NORMALLY OPEN, CONDENSER NORMALLY CLOSED, LOW PRESSURE CONTROL NORMALLY OPEN, CONDENSER FAN ON AIR MODELS ONLY.

SEQUENCE OF ICE-MAKING & HARVEST CYCLE

1. SET TOGGLE SWITCH TO "ICE" POSITION. THIS ENERGIZES THE WATER PUMP, COMPRESSOR, & CONDENSER FAN MOTOR.
2. AS ICE FORMS, GAS PRESSURE DECREASES, CAUSING THE LOW PRESSURE CONTROL TO CLOSE AND ENERGIZING THE TIME DELAY CIRCUIT.
3. AFTER THE TIME DELAY INTERVAL, THE TIMER RELAY CONTACTS TRANSFER FROM NORMALLY CLOSED TO NORMALLY OPEN, CAUSING THE WATER PUMP & CONDENSER FAN MOTOR TO SHUT OFF & THE HOT GAS SOLENOID TO SWITCH INTO HARVEST.
4. DURING HARVEST, GAS PRESSURE & TEMPERATURE BEGIN TO RISE, CAUSING THE LOW PRESSURE CONTROL TO OPEN, PREPARING IT FOR A NEW CYCLE. AS TEMPERATURE CONTINUES TO RISE, THE ICE SLAB DROPS & TRIPS THE DAMPER DOOR WHICH INTURN OPENS BIN SWITCH MOMENTARILY. THIS CAUSES THE HOT GAS SOLENOID TO SHUT OFF. CUBER GOES INTO NEW FREEZE CYCLE.

NOTE: WHEN THE BIN THERMOSTAT CONTROL TOGGLE SWITCH IS IN THE OFF POSITION, THE THERMOSTAT WILL CONTROL THE ICE LEVEL IN THE STORAGE BIN. WITH TOGGLE SWITCH IN THE ON POSITION, THE BIN SWITCH CONTROLS THE ICE LEVEL.

TOGGLE SWITCH



D680172-4
81-0464-3
REVISION B

CAUTION: DISCONNECT POWER BEFORE WORKING ON ELECTRICAL CIRCUITRY.