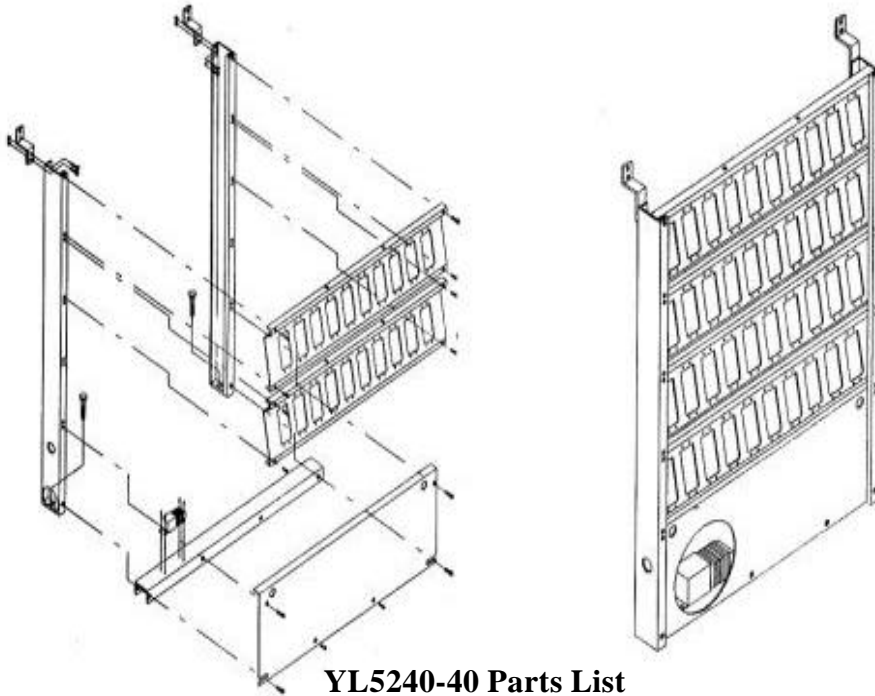


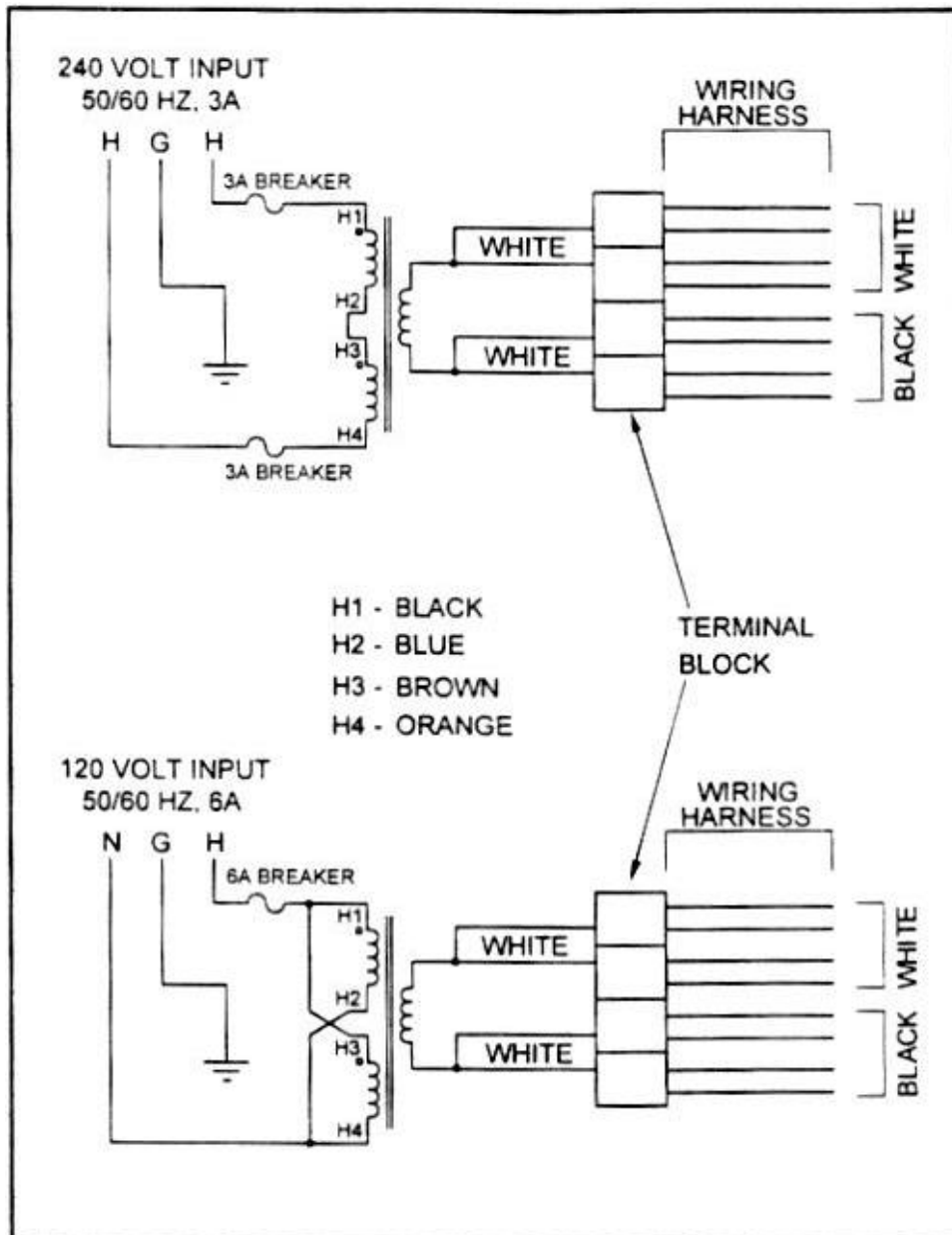
YL5240-40 40-Unit Regular Duration Charging Rack Assembly Instructions



YL5240-40 Parts List

Item	Part #	Description	Qty
1	YL4001L	Charger Rack, Upright Left	1
2	YL4001R	Charger Rack, Upright Right	1
3	YL4002	Charger Rack Power Supply Shelf	1
4	YL4004	Charger Rack Lower Cover Panel	1
5	YL4008	Charger Rack Panel	4
6	YL4070-10	Wire Assembly 10-Unit Harness	4
7	YL4075	Securing Mount Tie Cable	12
8	YL5020A	VTCO Black Charger Housing	40
9	YL4005A-240	Power Supply Module - 240V	2
10	YL489-001	Charger Rack Upright Bracket	2
11	YL4011	Screw M/S Pan Comb 1/4-20X5/8	4
12	YL4010	Nut, Hex Nylon Inst Lock 1/4-20	4
13	YL4005HDWN	Hardware Package includes:	1
a	YL4009	Screw, M/S Pan Phillips 1/4-20X1.5	20
b	YL4011	Screw M/S Pan Comb 1/4-20X5/8	6
c	YL4010	Nut, Hex Nylon Inst Lock 1/4-20	6
d	YL4012	Screw, Tap Pan Phillips 10X1	160
e	YL4013	Nut, Charger Panel Spring	160
f	YL4007	Screw Tap Pan Phillips 10X1/2	16
g	YL4027	Screw Tap Pan Phillips 8X1/4	1

Wiring Diagram for Transformer Primary and Charger Rack Wiring Harness



NOTE: When installing mains wiring, be sure to include an appropriate means of disconnecting power to the charging rack, such as a switch or circuit breaker. Mains wiring should be installed by a qualified electrician.

General Assembly

Lay uprights on floor (left and right) and attach charger panels with machine screws provided (5 screws per panel). Raise rack to standing position and secure charger panels together with machine screws and nuts provided (2 per panel connection). NOTE: PRIOR TO INSTALLATION OF THE TOP CHARGER PANEL, ENSURE CHARGING SYSTEM IS FIRMLY STABILISED.

Place charger rack in permanent location. IMPORTANT - Chargers must be stabilised with stand-offs that can be connected to holes provided in tip of uprights. All racks are provided with stand-offs. This is to ensure that no latent heat is trapped behind the racks that may lead to inefficient charging. These stand-offs also ensure that the heatsinks of the Extended Duration (grey charger housings) are not interfered with and circulation behind the racks is guaranteed.

Drill and anchor to floor. Racks mounted back-to-back should be firmly secured to each other. Insert the power supply shelf by lowering it between the uprights. Partially insert machine screws at base of each upright. DO NOT TIGHTEN. Mount the power supply module on the power supply shelf using self tapping screws provided (4 each per power module). The schematic on the other page describes proper wiring. Knockouts for the power supply wire are provided. Always ensure power is off before performing any wiring.

Unroll and connect the black and white wires of the jumper harness. A wiring diagram is also provided on the power supply module. Always verify your power supply has been adequately wired. Harnesses may be cut to desired length.

Prior to mounting charger housing, install speed nuts, (4 per housing provided) on the corners of the charger pane cutouts. Plug each pair of fully insulated terminal connectors attached to the harness into the individual spade connectors located on each charger housing. Polarity is not a consideration since an AC supply is used. Attach housing to panel with the green light at the top using four (4) self-tapping screws.

Lift lower cover panel by holes provided and align panel by sliding onto the two base screws (already loosely installed). Thread two machine screws at top of cover panel. Thread two self-tapping screws at the base and tighten all screws. Once rack is energised all charger housings should show green indicator lights on. The system is now ready for use.

Important: It is imperative air is permitted to circulate behind these racks.

To ensure proper charging, batteries must be charged in an ambient temperature range of: 10°C-26°C (50°F - 78°F).

Optimum: 15°C-20°C (58°F - 68°F).

If batteries are charged in ambient room temperatures above 26°C (78°F, WARRANTY BECOMES VOID.