SERVICE PARTS LIST

BUL. 54-00-0611

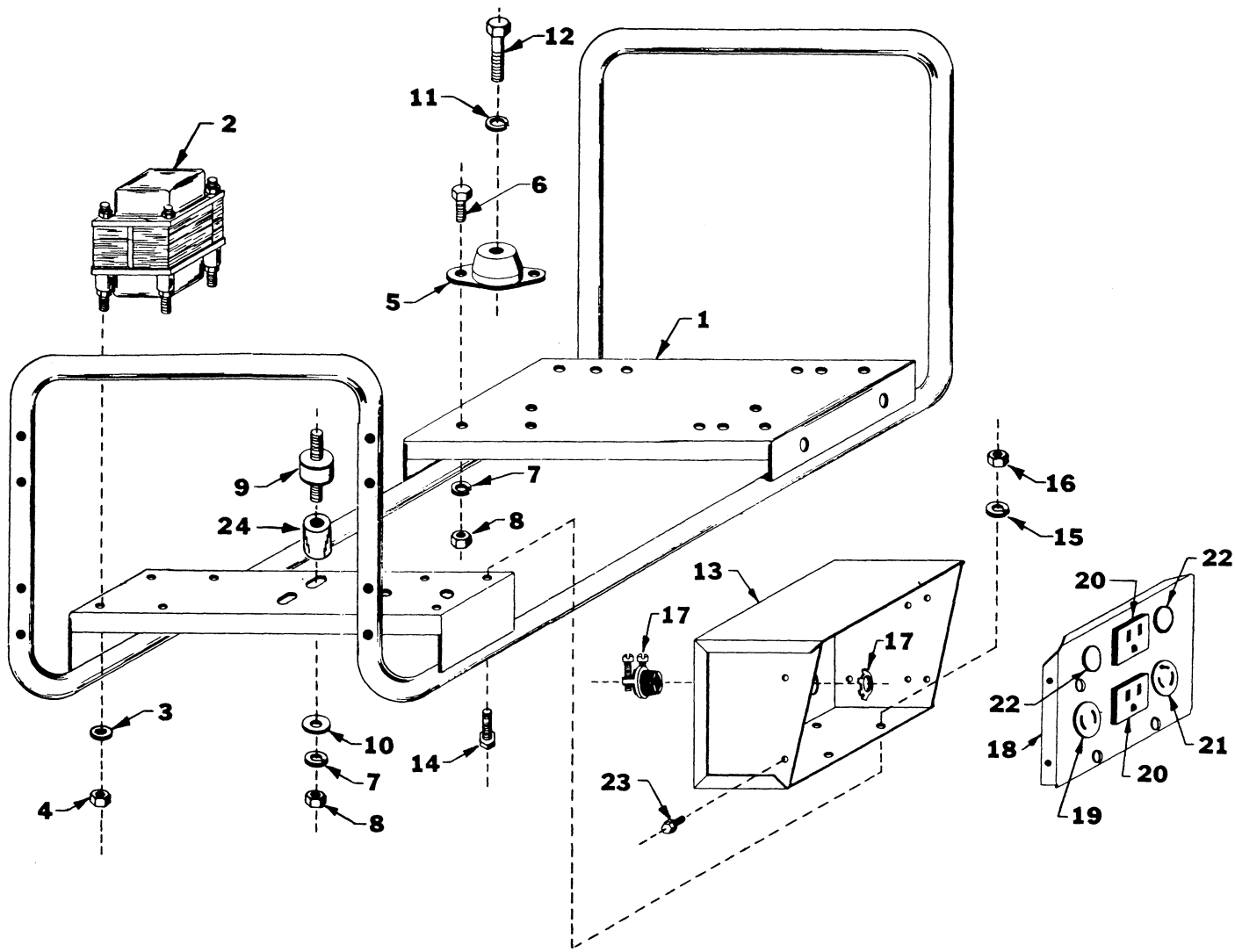
ALTERNATOR BASE

REVISED BUL 6387-1 | DATE Feb. '68

WIRING INSTR.

Catalog No. 4775 | Starting Serial No. 387-1001

Both Model and Serial No. must be furnished to obtain correct parts.



Item	Part No.	Description	Req'd	Item	Part No.	Description	Req'd
1	42-20-0260	Mounting Base	1	13	22-12-0110	Outlet Box - Back	1
2	23-81-0160	Reactor Assembly	1	14	06-75-0100	1/4-20x3/4 Hex. Hd. Capscrew	4
3	06-97-3400	No. 10 Shakeproof Lockwasher (Int.)	4	15	06-97-3800	1/4 Lockwasher	4
4	06-55-1100	No. 10-32 Hex. Nut	4	16	06-55-1500	1/4-20 Hex. Nut	4
5	43-33-0270	Vibration Dampner	4	17	22-56-0140	3/8 Straight Connector	2
6	06-75-0300	5/16-18x3/4 Hex. Hd. Capscrew	8	18	22-68-0100	Outlet Box - Front	1
7	06-97-4100	5/16 Lockwasher	9	19	23-33-0150	115-V. Twist Lock Outlet	1
8	06-55-1980	5/16-18 Hex. Nut	9	20	23-33-0130	115-V. Outlet	2
9	43-33-0280	Vibration Dampner	1	21	23-33-0160	230-V. Twist Lock Outlet	1
★10	45-88-5245	5/16 Flat Washer	1	22	44-68-0090	Plug Button	2
11	06-97-4125	3/8 Lockwasher	4	23	06-81-4650	No. 10-32x3/8 Rd. Hd. Scr.	4
12	06-75-0575	3/8-16x1-1/2 Hex. Hd. Capscrew	4	24	45-36-0535	Spacer	1

SERVICE PARTS LIST

BUL. 54-00-0640

FULL CAPACITY RECONNECTION

STEP BY STEP RECONNECTION TO 115 VOLT FULL CAPACITY OPERATION

NOTE: Before proceeding with reconnection to 115 volt full capacity operation, the following points should be reviewed to determine whether this is either necessary or desireable.

(a) The two stator windings are normally connected in series with full capacity at 230 volts across both windings. One-half the rated capacity is available, at 115 volts,. across either winding. The reconnection places the two stator windings in parallel, eliminating the 230 volt feature of the alternator but providing full capacity for a single load at 115 volts.

(b) If the customer's load consists of an electric motor of 3/4 H.P., or larger, it normally has the feature of being reconnected from 115 volt to 230 volt operation. The reconnection from 115 volt to 230 volt operation. The reconnection schematic normally appears inside the cover on the electric motor connection panel. A modification of the electric motor to 230 volt, single phase operation will save a considerable amount of installation time and still retain the alternators versatility of having both 115 and 230 volt capabilities.

(c) If the alternator is reconnected to 115 volt full capacity type operation, the customer must provide adequate wiring and outlets to carry the full rated current. The 3 prong 115 volt outlet, on the panel is rated by U.L. at 15 amps and the 115 volt twist lock is rated at 20 amps. In both cases, full capacity will far exceed these ratings.

☐ 1. Disconnect wires [11], [22], [33], and [44].

☐ 2. Completely remove the jumper wire marked [30] that connects the lower right hand terminal of the 230 volt twist lock, to the lower left hand terminal of the 115 volt twist lock.

☐ 3. Disconnect the remaining wire marked [30] from the lower right hand terminal of the 230 volt twist lock.

☐ 4. Completely remove the jumper wire marked [20] from the reactor cable connection marked (4) and from the lower left hand terminal of the 230 volt twist lock.

☐ 5. Completely remove the remaining jumper wire marked [20] from the lower left hand terminal of the 230 volt twist lock and from the left hand terminal of the bottom 115 volt 3 prong plug.

☐ 6. Connect wire marked [11] to the reactor lead marked (1)

☐ 7. Connect wires from reactor marked (3), and (5) to the customer supplied black No. 10 wire and also connect a jumper marked [30], to the lower left hand terminal of the 115 volt, 20 amp twist lock as shown.

NOTE:

The No. 10 white, black and green wires, supplied by the customer, may be routed through the condulet connector at the rear of the panel box. These wires should be sufficient length to reach the customer load and have sufficient insulation.

☐ 8. Connect stator lead marked [33] to reactor lead marked (5).

☐ 9. Connect stator leads marked [22] and [44] to a white No. 10 customer supplied wire and also to the wire marked [10], coming from the ground terminal on the upper left hand corner of the three prong 230 volt twist lock. Route the No. 10 white wire through the condulet connector at the rear of the control box.

☐ 10. Connect a jumper, marked [30], between the lower left hand terminal of the 115 volt twist lock and the upper left hand terminal of the 115 volt three prong outlet as shown.

☐ 11. Connect a jumper, marked [30], between the lower left hand terminal of the 115 volt twist lock and the upper left hand terminal of the 115 volt three prong outlet as shown.

☐ 12. Loosen the mounting bolt at the top of the 230 volt twist lock socket. Connect the customer supplied No. 10 green wire. Route this wire through the condulet connector at the rear of the control box.

☐ 13. Tape all connections to eliminate the possibility of shorting to ground or each other. Tighten condulet connector.

WARNING:

Lethal voltages are present, before starting alternator, check that customer supplied wires are correctly terminated at load and that all wires are properly insulated.

SERVICE PARTS LIST

BUL. 54-00-0601

5000 WATT ALTERNATOR

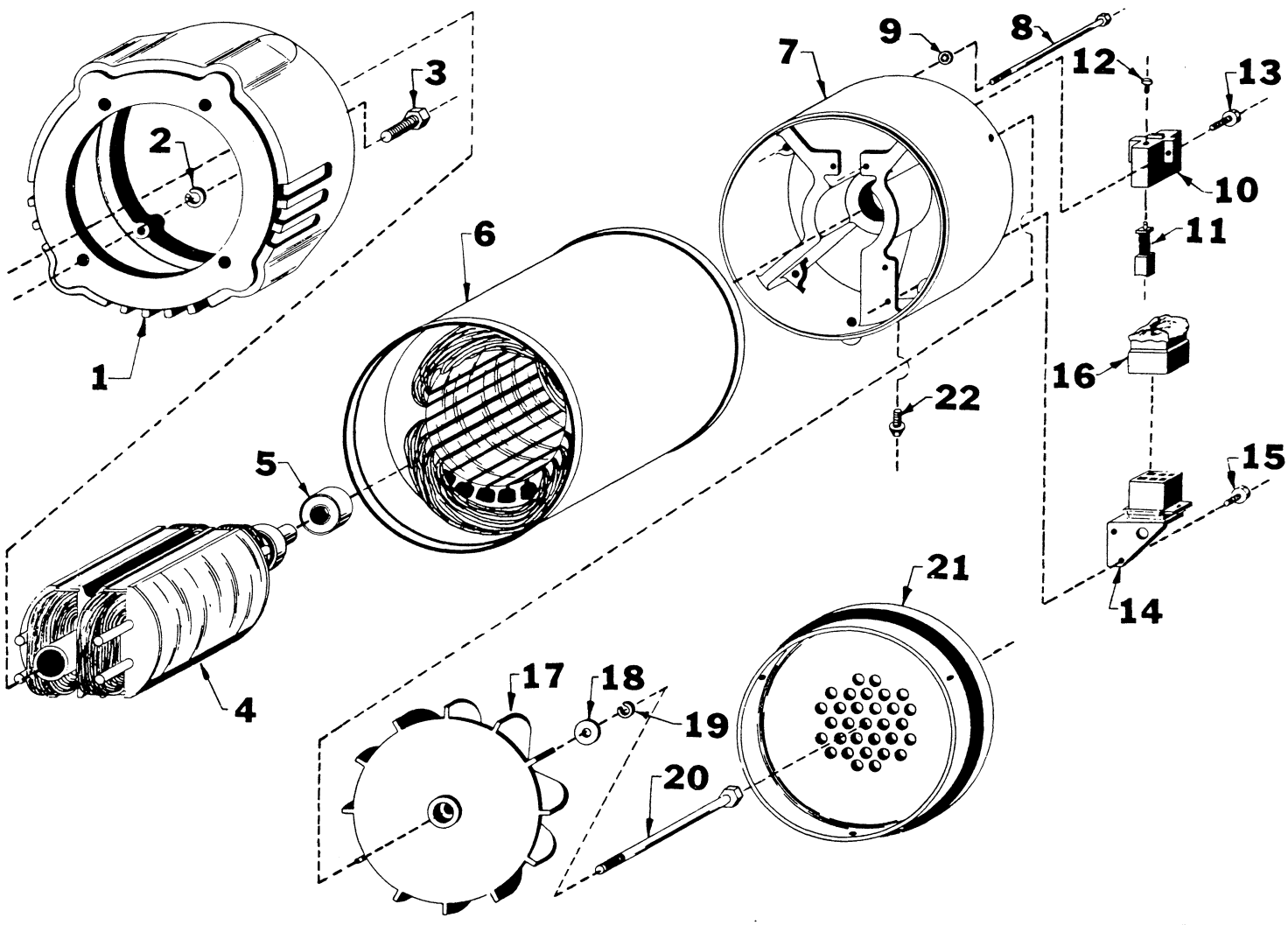
REVISED BUL 6387-2 | DATE Nov. '68

Catalog No. 4775

Starting Serial No. 387-1127

WIRING INSTR. 54-00-0621

Both Model and Serial No. must be furnished to obtain correct parts.



Item	Part No.	Description	Req'd	Item	Part No.	Description	Req'd
1	42-04-0240	Adaptor Housing	1	12	06-81-8650	6-32x1/4 Rd. Hd. Sem Scr.	2
2	06-97-4150	7/16 Lockwasher	4	★13	06-81-6200	8-32x5/8 Fil. Hd. Sem Scr.	2
3	06-75-5150	7/16-14x1" Hex. Hd. Capscrew	4	14	45-60-0230	Rectifier Support Assembly	1
4	23-40-0190	Rotor Assembly	1	15	06-81-4650	10-32x3/8 Rd. Hd. Scr.	2
5	02-04-1545	Bearing	1	16	23-38-2560	Rectifier Assembly	1
6	23-58-0390	Stator Assembly	1	17	22-84-0400	Fan	1
7	43-76-0171	Rear Alternator Hsg.	1	18	45-88-5245	5/16 Flat Washer	2
8	06-75-0070	Cap Screw	4	19	06-97-4100	5/16 Lockwasher	1
9	06-97-2200	No. 10 Shakeproof Lockwasher	4	★20	06-75-1230	Hex Hd. Capscre w	1
10	22-20-0220	Brush Holder	1	21	42-92-0161	Fan Cover	1
11	22-18-0340	Brush Assembly	2	22	06-75-2400	No. 10-32x1/2" Soc. Hd. Scr.	3

MILWAUKEE ELECTRIC TOOL CORP. 13135 West Lisbon Road • Brookfield, Wisconsin 53005

SERVICE PARTS LIST

WIRING DIAGRAM

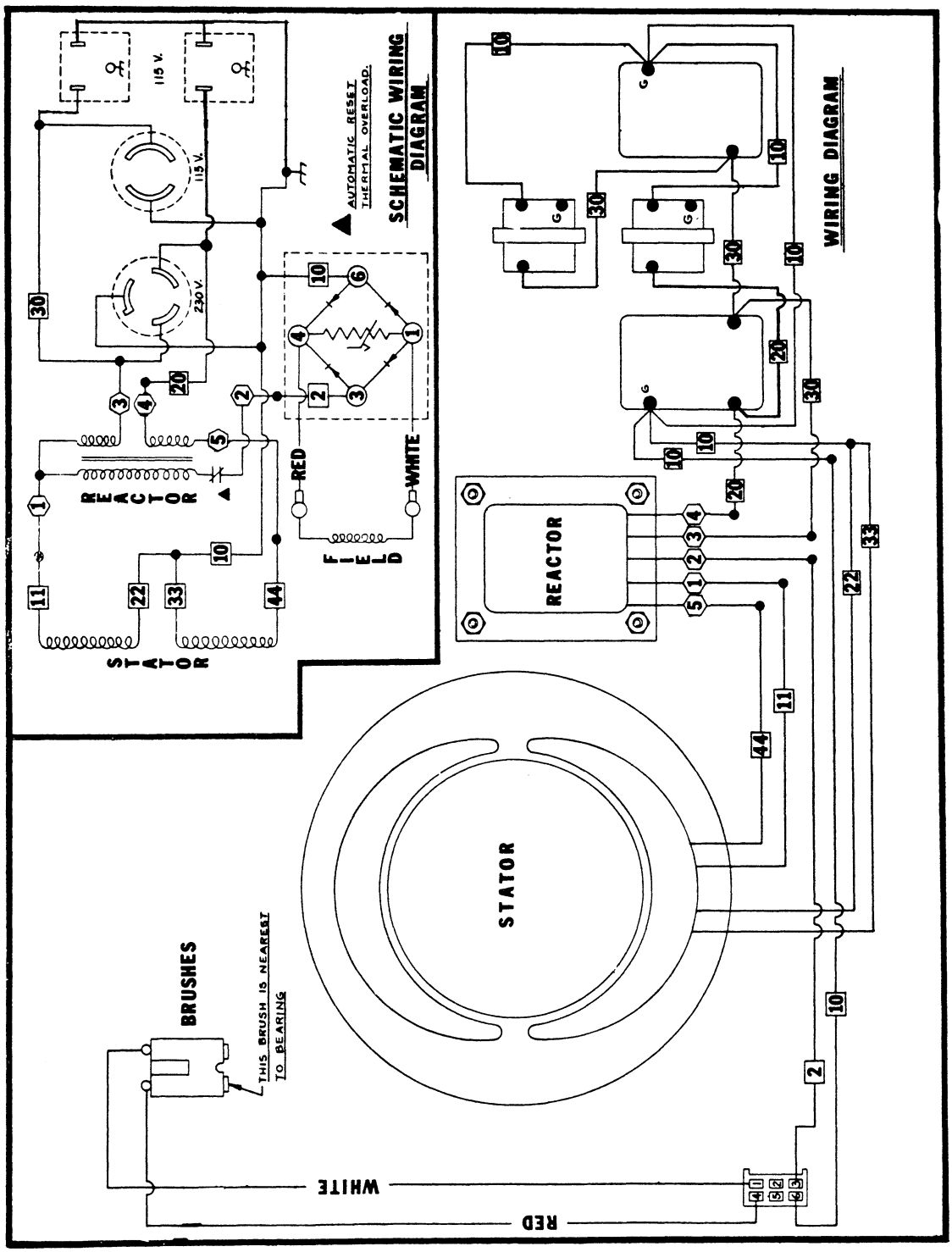
BUL. 54-00-0621

REVISED BUL 6387-2 | DATE Nov. '68

WIRING INSTR.

Catalog No. 4775 | Starting Serial No. 387-1127

Both Model and Serial No. must be furnished to obtain correct parts.



W164M-Ind-100

SERVICE PARTS LIST

FULL CAPACITY WIRING DIAGRAM

BUL. 54-00-0630

REVISED BUL 6387-2 | DATE Nov. '68

WIRING INSTR.

Catalog No. 4775 | Starting Serial No. 387-1127

Both Model and Serial No. must be furnished to obtain correct parts.

USE PROCEDURE ON 54-00-0640

