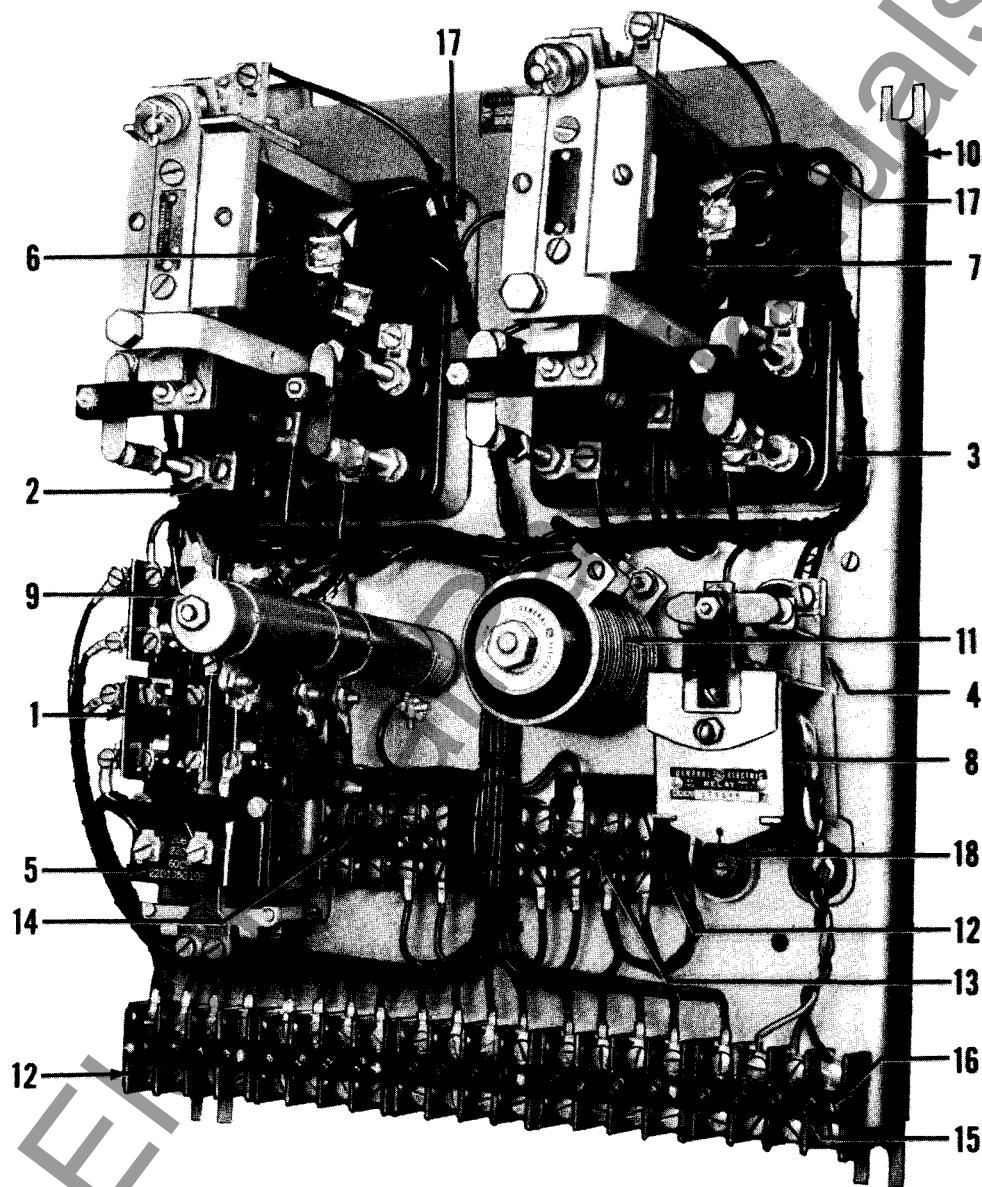


RENEWAL PARTS

IC7069-B1C SYNCHRONOUS MOTOR FIELD PANEL

(Also CR7069)

Catalog Numbers 9329409G2 to 9329409G48 Inclusive



IC7069-B1C Synchronous Motor Field Panel

(Reference numbers are identified in listings beginning on page 2)

When ordering renewal parts, give quantity, catalog number, description of each item required, and complete nameplate reading.

GENERAL  ELECTRIC

IC7069-BIC SYNCHRONOUS MOTOR FIELD PANEL

CONTACTORS AND RELAYS

Panel Cat. No.	Ref. No. 1	Ref. No. 2	Ref. No. 3	Ref. No. 4	Panel Cat. No.	Ref. No. 1	Ref. No. 2	Ref. No. 3	Ref. No. 4
	Contactor CR2810- A14-	Relay IC2820- 1754-	Relay IC2820- 1754-	Relay IC2820- 1751-		Contactor CR2810- A14-	Relay IC2820- 1754-	Relay IC2820- 1754-	Relay IC2820- 1751-
9329409G2	AP102	A2	A10	A2	9329409G26	AP119	A2	A10	A10
9329409G3	AP102	A3	A11	A2	9329409G27	AP119	A3	A11	A10
9329409G4	AP103	A2	A10	A3	9329409G28	AP120	A2	A10	A11
9329409G5	AP103	A3	A11	A3	9329409G29	AP120	A3	A11	A11
9329409G6	AP103	A2	A10	A4	9329409G30	AP30	A2	A10	A7
9329409G7	AP103	A3	A11	A4	9329409G31	AP113	A2	A10	A4
9329409G8	AP104	A2	A10	A6	9329409G32	AP113	A3	A11	A4
9329409G9	AP104	A3	A11	A6	9329409G33	AP114	A2	A10	A6
9329409G10	AP105	A2	A10	A8	9329409G34	AP114	A3	A11	A6
9329409G11	AP105	A3	A11	A8	9329409G35	AP115	A2	A10	A8
9329409G12	AP104	A6	A14	A6	9329409G36	AP115	A3	A11	A8
9329409G13	AP108	A2	A10	A4	9329409G37	AP107	A2	A10	A2
9329409G14	AP108	A3	A11	A4	9329409G38	AP107	A3	A11	A2
9329409G15	AP104	A2	A10	A5	9329409G39	AP117	A2	A10	A12
9329409G16	AP104	A3	A11	A5	9329409G40	AP117	A3	A11	A12
9329409G17	AP109	A2	A10	A6	9329409G41	AP104	A4	A12	A6
9329409G18	AP109	A3	A11	A6	9329409G42	AP145	A3	A11	A13
9329409G19	AP109	A2	A10	A7	9329409G43	AP131	A2	A10	A6
9329409G20	AP109	A3	A11	A7	9329409G44	AP103	A4	A12	A4
9329409G21	AP110	A2	A10	A8	9329409G45	AP146	A13	A11	A3
9329409G22	AP110	A3	A11	A8	9329409G46	AP103	A3	A11	A15
9329409G23	AP104	A5	A13	A5	9329409G47	AP30	A3	A11	A7
9329409G24	AP118	A2	A10	A9	9329409G48	AP152	A2	A10	A16
9329409G25	AP118	A3	A11	A9					

OPERATING COILS AND RESISTORS

Panel	Ref. No. 5	Ref. No. 6	Ref. No. 7	Ref. No. 8	Ref. No. 9	
	Operating Coil for CR2810-A14AP Contactor	Operating Coil for IC2820-1754A Relay	Operating Coil for IC2820-1754A Relay	Operating Coil for IC2820-1751A Relay	Tapped Resistor	
Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Ohms
9329409G2	22D135G102	3245059	22D13G7	22D157G2	232B659G1	275
9329409G3	22D135G102	3245060	22D13G13	22D157G2	232B659G1	275
9329409G4	22D135G103	3245059	22D13G7	22D157G3	232B659G2	980
9329409G5	22D135G103	3245060	22D13G13	22D157G3	232B659G2	980
9329409G6	22D135G103	3245059	22D13G7	22D157G4	232B659G3	1100
9329409G7	22D135G103	3245060	22D13G13	22D157G4	232B659G3	1100
9329409G8	22D135G104	3245059	22D13G7	22D157G6	232B659G5	4400
9329409G9	22D135G104	3245060	22D13G13	22D157G6	232B659G5	4400
9329409G10	22D135G105	3245059	22D13G7	22D157G8	232B659G7	6880
9329409G11	22D135G105	3245060	22D13G13	22D157G8	232B659G7	6880
9329409G12	22D135G104	3247657	22D13G8	22D157G6	232B659G5	4400
9329409G13	22D135G108	3245059	22D13G7	22D157G4	232B659G3	1100
9329409G14	22D135G108	3245060	22D13G13	22D157G4	232B659G3	1100
9329409G15	22D135G104	3245059	22D13G7	22D157G5	232B659G4	3280
9329409G16	22D135G104	3245060	22D13G13	22D157G5	232B659G4	3280
9329409G17	22D135G109	3245059	22D13G7	22D157G6	232B659G5	4400
9329409G18	22D135G109	3245060	22D13G13	22D157G6	232B659G5	4400
9329409G19	22D135G106	3245059	22D13G7	22D157G7	232B659G6	5680
9329409G20	22D135G106	3245060	22D13G13	22D157G7	232B659G6	5680
9329409G21	22D135G110	3245059	22D13G7	22D157G8	232B659G7	6680
9329409G22	22D135G110	3245060	22D13G13	22D157G8	232B659G7	6680
9329409G23	22D135G104	3246884	22D13G42	22D157G5	232B659G4	3280
9329409G24	22D135G118	3245059	22D13G7	22D157G9	232B659G8	1220
9329409G25	22D135G118	3245060	22D13G13	22D157G9	232B659G8	1220

IC7069-BIC SYNCHRONOUS MOTOR FIELD PANEL

GEF-4009

OPERATING COILS AND RESISTORS (CONT'D)

Panel	Ref. No. 5	Ref. No. 6	Ref. No. 7	Ref. No. 8	Ref. No. 9	
	Operating Coil for CR2810-A14AP Contactor	Operating Coil for IC2820-1754A Relay	Operating Coil for IC2820-1754A Relay	Operating Coil for IC2820-1751A Relay	Tapped Resistor	
Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Ohms
9329409G26	22D135G119	3245059	22D13G7	22D157G10	232B659G9	4880
9329409G27	22D135G119	3245060	22D13G13	22D157G10	232B659G9	4880
9329409G28	22D135G120	3245059	22D13G7	22D157G11	232B659G10	7620
9329409G29	22D135G120	3245060	22D13G13	22D157G11	232B659G10	7620
9329409G30	22D135G130	3245059	22D13G7	22D157G7	232B659G6	5680
9329409G31	22D135G113	3245059	22D13G7	22D157G4	232B659G3	1100
9329409G32	22D135G113	3245060	22D13G13	22D157G4	232B659G3	1100
9329409G33	22D135G114	3245059	22D13G7	22D157G6	232B659G5	4400
9329409G34	22D135G114	3245060	22D13G13	22D157G6	232B659G5	4400
9329409G35	22D135G115	3245059	22D13G7	22D157G8	232B659G7	6880
9329409G36	22D135G115	3245060	22D13G13	22D157G8	232B659G7	6880
9329409G37	22D135G107	3245059	22D13G7	22D157G2	232B659G1	275
9329409G38	22D135G107	3245060	22D13G13	22D157G2	232B659G1	275
9329409G39	22D135G117	3245059	22D13G7	22D157G12	232B659G11	305
9329409G40	22D135G117	3245060	22D13G13	22D157G12	232B659G11	305
9329409G41	22D135G104	3246873	22D13G3	22D157G6	232B659G5	4400
9329409G42	22D135G145	3245060	22D13G13	22D157G2	232B659G12	250
9329409G43	22D135G131	3245059	22D13G7	22D157G6	232B659G13	4100
9329409G44	22D135G103	3246873	22D13G3	22D157G4	232B659G3	1100
9329409G45	22D135G146	3245060	22D13G13	22D157G2	232B659G12	250
9329409G46	22D135G103	3245060	22D13G13	22D157G13	232B659G3	1100
9329409G47	22D135G130	3245060	22D13G13	22D157G7	232B659G6	5680
9329409G48	22D135G153	3245059	22D13G7	22D157G4	232B659G8	1220

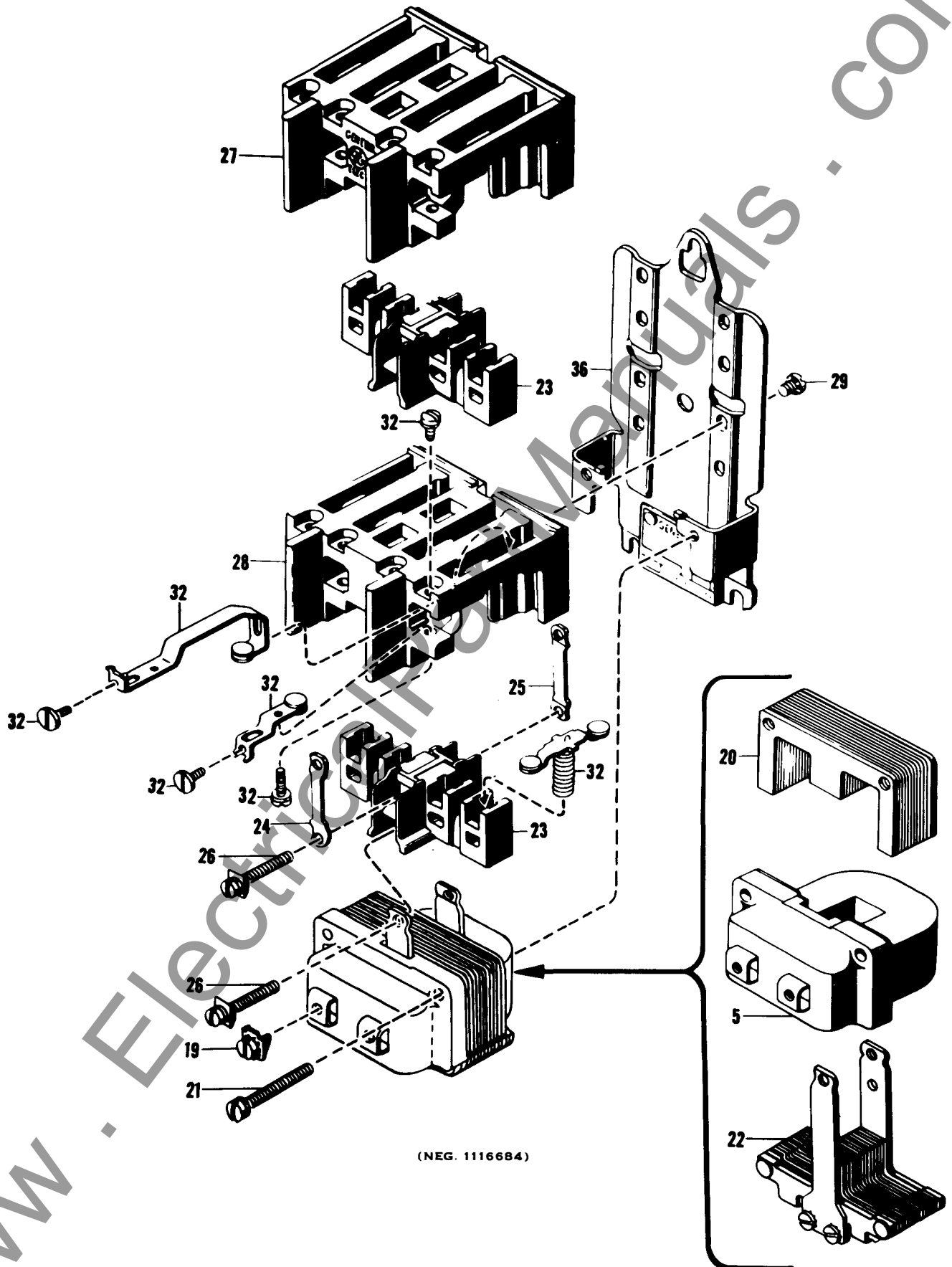
Ref. No.	Cat. No.	No. Required	Description
10	9357089G1	1	Base
	9605119G1	1	Cover
	9092976	2	Stud for cover
	1474070	2	Nut for stud
11	-----	1	Rectifier, Model No. 6RC3B6V
12	5908303G1	7	Terminal board
	6915748P3	28	Binding screw for terminal board
13	9653337P3	1	Marking strip for right-hand terminal board
14	9653337P2	1	Marking strip for left-hand terminal board
15	9653337P1	1	Marking strip for lower terminal boards
16	9384745P5	10	Screw fastening marking strip to terminal board
17	5757894P42	6	Screw fastening IC2820-1754A relay to base
18	5757894P22	6	Screw fastening IC2820-1751A relay and CR2810-A14AP contactor to base
	5149141P12	14	Screw fastening terminal board to base

IC7069-BIC SYNCHRONOUS MOTOR FIELD PANEL**CR2810-A14AP CONTACTOR****PARTS RECOMMENDED FOR NORMAL STOCK**

Ref. No.	No. Req.	Cat. No.	Description
5	1	-----	Operating coil (see table on page 2)
32	8	6960047G26	Set of stationary and movable contacts with compression spring and screws (for 1 pole)

COMPLETE LIST OF PARTS

19	2	9108643P15	Terminal screw with lock washer and clamp, for operating coil
20	1	8650406G1	Magnet frame assembly
21	2	9034285P2	Screw with lock washer fastening magnet frame and operating coil to base plate
22	1	6960046G84	Armature assembly (includes core, guides, ball and spring)
23	2	9004180P2	Operating arm for movable contacts
24	1	9034197P1	Push rod for upper operating arm (front)
25	1	9034197P2	Push rod for upper operating arm (rear)
26	3	9092923	Screw with lock washer and clamp fastening operating arm to armature or push rod
28	2	9004179P3	Molded support for stationary contacts
29	8	9117033P1	Screw with lock washer fastening molded support to base
32	8	6960047G26	Set of stationary and movable contacts with compression spring, binding screws and screws (for 1 pole)
36	1	9141883P3	Base plate

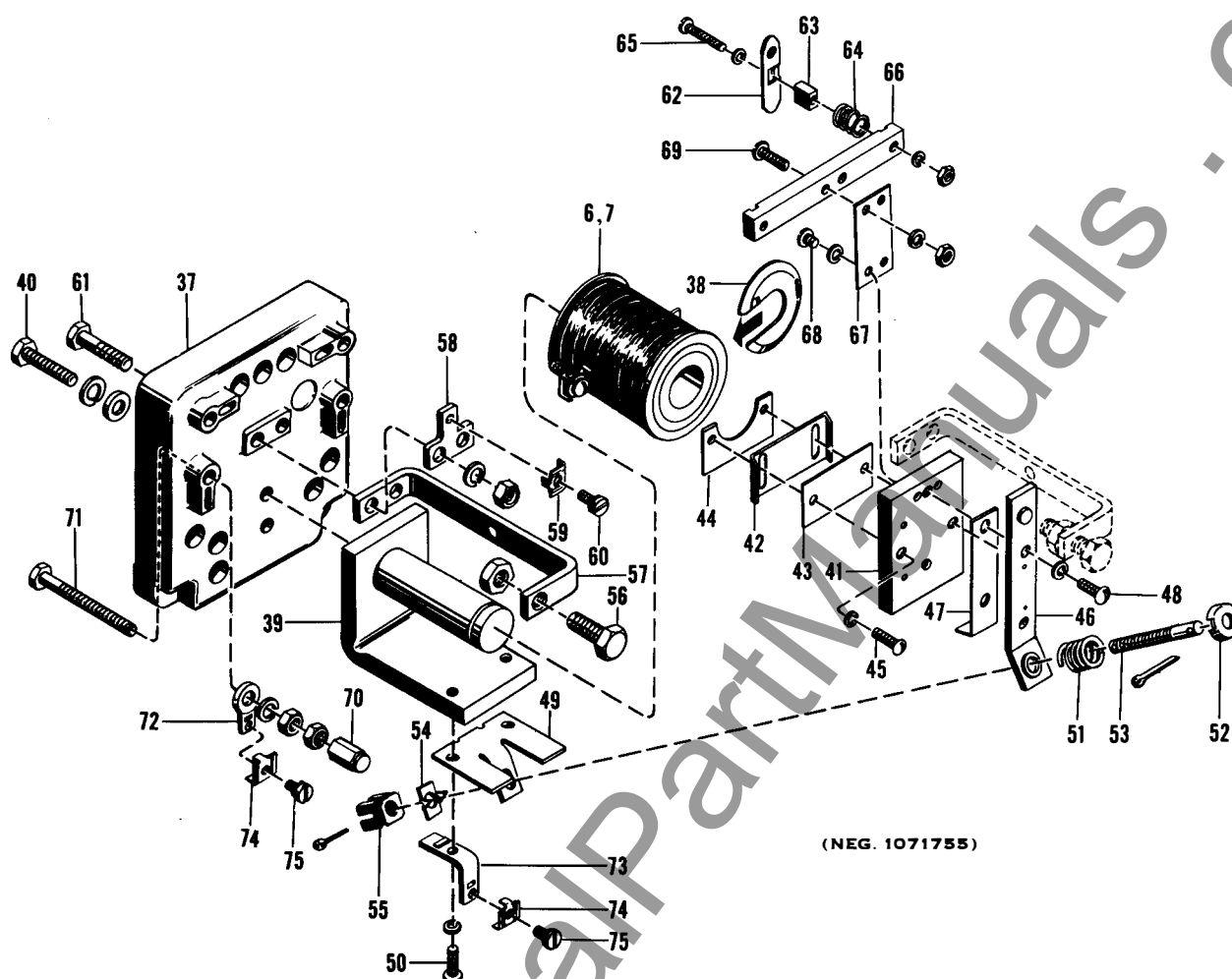


(NEG. 1116684)

CR2810-A14AP contactor

IC7069-B1C SYNCHRONOUS MOTOR FIELD PANEL

IC2820-1754A RELAY



(NEG. 1071755)

PARTS RECOMMENDED FOR NORMAL STOCK

Ref. No.	Cat. No.	ΔNo. Required	Description
6, 7	-----	1	Operating coil (see table on page 2)
62	3667572G1	2	Movable contact plate with tips
70	3614137G1	4	Stationary contact block with tip
64	5144450	2	Compression spring for movable contact plate
51	235184	1	Compression spring for armature

COMPLETE LIST OF PARTS

37	9350921P1	1	Base for relay
38	1445721	1	Retaining washer for operating coil
39	9397583G1	1	Magnet frame with core
40	N26P21016B	1	Screw fastening magnet core to base (1/4 in. -20)
41	9098152	1	Armature
42	9098167	1	Adjustable shim for armature
43	9098151	1	Stationary shim for armature
44	8058795	1	Clamp for shims
45	N33P15010B	2	Screw fastening shims and clamp to armature (8-32)

Δ Quantity for 1 relay only.

IC7069-B1C SYNCHRONOUS MOTOR FIELD PANEL

GEF-4009

Ref. No.	Cat. No.	ΔNo. Required	Description
46	9397584P1	1	Support for armature with contact tip
47	2453389	1	Guide strip between armature and support
48	N37P16008B	2	Screw fastening support and guide strip to armature (10-32)
49	1459968	1	Bracket for armature support
50	N37P16010B	2	Screw fastening bracket to magnet frame (10-32)
51	235184	1	Compression spring for armature
52	437972P1	1	Spring seat for compression spring
53	2429336	1	Adjusting stud for compression spring
54	6955638	1	Support for adjusting stud
55	9196760	1	Nut for adjusting stud
56	2840219G1	1	Contact screw with contact tip
57	2450534	1	Support for contact screw
58	9092945	1	Terminal plate for support
59	8057818	1	Terminal clamp
60	9117373P3	1	Screw fastening clamp to plate
61	N22P21020B	2	Screw fastening support and terminal plate to base (1/4 in. -20)
62	3667572G1	2	Movable contact plate with tips
63	2461808	2	Spacer for movable contact plate
64	2411917	2	Compression spring for contact plate
65	N37P13016B	2	Retaining screw for contact plate (6-32)
66	9092943	1	Insulation bar for contact plates
67	1474077	1	Support for insulation bar
68	6915748P5	2	Screw fastening support to armature
69	N37P15010B	2	Screw fastening insulation bar to support (8-32)
70	3614137G1	4	Stationary contact block with tip
71	9092946	4	Connection stud for stationary contact block
72	9092944	4	Terminal plate for connection stud
73	9092947	1	Terminal plate for magnet frame
74	8057818	5	Terminal clamp
75	9117373P3	5	Screw fastening clamp to plate

IC2820-1751A RELAY

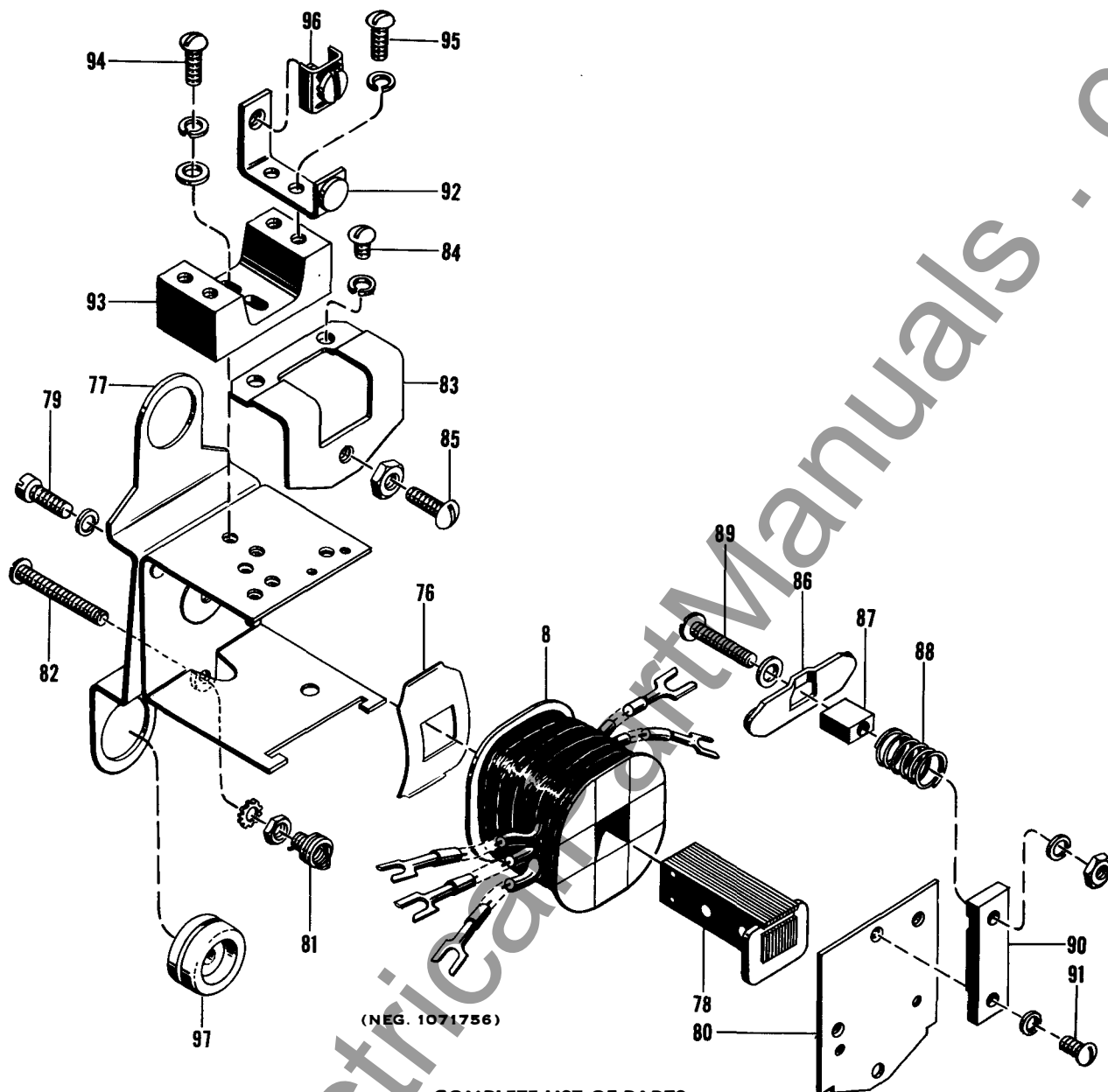
PARTS RECOMMENDED FOR NORMAL STOCK

Ref. No.	Cat. No.	ΔNo. Required	Description
8	-----	1	Operating coil (see table on page 2)
86	3667572G1	1	Movable contact plate with tips
92	9385130G1	2	Stationary contact
88	2419415	1	Compression spring for movable contact plate
81	2418828	1	Tension spring for armature

COMPLETE LIST OF PARTS

76	9085558	1	Retainer for operating coil
77	9385131G1	1	Base plate and frame assembly
78	9189487G1	1	Magnet core
79	101X185	1	Screw with lock washer fastening magnet core to frame
80	9092632	1	Armature
81	2418828	1	Tension spring for armature
82	N37P13020B	1	Adjusting screw for tension spring (6-32)
83	9385129	1	Armature stop
84	N37P13004B	2	Screw fastening armature stop to frame (6-32)
85	N33P15008B	1	Adjusting screw for armature (8-32)
86	3667572G1	1	Movable contact plate with tips
87	2461808	1	Spacer for movable contact plate
88	2419415	1	Compression spring for movable contact plate
89	N37P13014B	1	Retaining screw for movable contact plate (6-32)
90	9092630	1	Insulation bar for movable contact plate
91	N37P13005B	1	Screw fastening insulation bar to armature (6-32)

Δ Quantity for 1 relay only.



COMPLETE LIST OF PARTS

Ref. No.	Cat. No.	ΔNo. Required	Description
92	9385130G1	2	Stationary contact
93	9092631	1	Insulation support for stationary contacts
94	N37P13006B	2	Screw fastening insulation support to frame (6-32)
95	101X186	4	Screw fastening stationary contact to support
96	9034542P1	2	Terminal clamp assembly
97	6960047G74	3	Shock mount assembly

Δ Quantity for 1 relay only.

LOCK WASHERS

NUTS

WASHERS

Cat. No.	Description	Cat. No.	Description	Cat. No.	Description
N405P67C3	For No. 6 screw	N210P13B	6-32, hex. std	N402P7B	For No. 6 screw
N405P63C3	For No. 8 screw	N210P15B	8-32, hex. std	N402P8B	For No. 8 screw
N405P41C3	For 1/4 in. screw	N210P21B	1/4 in. -20, hex. std	N402P11B	For 1/4 in. screw
		N203P23B	5/16 in. -18, hex. std		

INDUSTRY CONTROL DEPARTMENT, GENERAL ELECTRIC COMPANY, SCHENECTADY, N. Y.