

This instruction, coupled with the descriptions and instructions in GEI-93161, attached, constitute the temporary Instruction Book for 3S7507RS800B1.

# ELECTRONIC REVERSING STATOTROL\* DRIVE

## 3S7507RS800B1

The 3S7507RS800B1 control is a 230 volt version of the Electronic Reversing Statotrol Drive described in the attached GEI-93161.

Exception 2 - Page 6, Field Supply; the nominal field voltage is 200 volts, not 100 volts.

Except where necessitated by the higher input voltage and the corresponding higher motor field and armature voltages, the 3S7507RS800B1 is electronically and functionally the same as the 3S7507RS100, 200 and 300 series that preceeded it.

Exception 3 - Page 16; again, the field voltage should be 200 volts DC  $\pm$  10%.

ALL of the descriptions, adjustments and instructions in the attached GEI-93161 are accurate and applicable to the 3S7507RS800B1 with but three exceptions, all related to the higher input voltage.

It is suggested that these changes be made directly on Pages 3, 6, and 16 to eliminate possible confusion.

Exception 1 - Page 3, Paragraph 1; the AC supply for this equipment is 230 volts, 50/60 cycles and not 115 volts as stated.

A proper renewal parts list for the 3S7507RS800B1 follows.

### PRINCIPAL RENEWAL PARTS LIST FOR 3S7507RS800B1

DIAGRAM SYMBOL	QTY	PART NUMBER	DESCRIPTION
	1	3S7507RS800B1	3/4 HP Max. Rev. Motor Control, 1 HP & 1-1/4 HP
	1	3S7507RA102E1	Preamplifier
19, 20D	2	44B232011-001	Diode
2P	1	128A4066G50	Potentiometer 50,000 ohm
9C	1	275A388G10	Capacitor .01 mfd.
21R	1	933B590G91	Resistor 91,000 ohm, 1/2 watt
22R	1	933B590G27	Resistor 27,000 ohm, 1/2 watt
23R	1	933B590F68	Resistor 6800 ohm, 1/2 watt
24R	1	933B590H51	Resistor .51 megohm, 1/2 watt
25R	1	6986159G75	Resistor 75,000 ohm, 1 watt
26R	1	933B590G24	Resistor 24,000 ohm, 1/2 watt
27R	1	933B590F47	Resistor 4700 ohm, 1/2 watt
28R	1	933B590G10	Resistor 10,000 ohm, 1/2 watt
5, 6Q	2	2N336A	Transistor
	2	44B211510-001	Socket for Transistors
	1	3S7507RA103D1	Phase Shift and Current Unit
1, 2, 3, 4D	4	44B232011-001	Diode
13, 14, 15, 16D	4	44B232019-008	Rectifier
1, 4P	2	128A4066F50	Potentiometer 5000 ohm
1C	1	983B532J20	Capacitor 2 mfd.
2, 3C	2	983B533L50	Capacitor 500 mfd.
8C	1	983B532J40	Capacitor 4 mfd.
1R	1	933B590F12	Resistor 1200 ohm, 1/2 watt

## PRINCIPAL RENEWAL PARTS LIST FOR 3S7507RS800B1

DIAGRAM SYMBOL	QTY	PART NUMBER	DISCRIPTION
4, 5R	2	933B590E47	Resistor 470 ohm, 1/2 watt
16R	1	K8622212G20	Resistor 20,000 ohm, 1 watt
18R	1	933B590F47	Resistor 4700 ohm, 1/2 watt
3P	1	44A312855F15	Potentiometer 1500 ohm
	1	3S7507RA104A2	Firing Circuit
2, 3T	2	933B272	Transformer
5, 6, 7, 8, 21			
22, 23 & 24D	8	44B232011-001	Diode
4, 5C, 10C	3	933B597H22	Capacitor .22 mfd.
6, 10R	2	933B590G27	Resistor 27,000 ohm, 1/2 watt
7R	1	933B590G56	Resistor 56,000 ohm, 1/2 watt
8, 12R	2	933B590F33	Resistor 3300 ohm, 1/2 watt
9R	1	933B590F10	Resistor 1000 ohm, 1/2 watt
11R	1	933B590H24	Resistor .24 megohm, 1/2 watt
30, 31R	2	933B590E47	Resistor 470 ohm, 1/2 watt
1, 2, 3Q	3	44B311057-001	Transistor
1, 2UJT	2	2N1671B	Transistor
4Q	1	44B312432-007	Transistor
	6	44B211510-001	Socket for Transistors
	1	3S7507RA105A1	DC Power Supply
9, 10, 11, 12D	4	44B232011-001	Diode
6, 7C	2	9774718M10	Capacitor 1000 mfd., 25 volts
13, 14R	2	983B526C47	Resistor 4.7 ohm
M	1	9729458	Contactora
1T	1	44B317065-001	Transformer
1, 2SCR	2	C45E	Silicon Control Rectifier
17, 18D	2	1N2160	Rectifier
1BD	1	6RS20SP8B8	Thyrector
DBR	1	275A377D13	Resistor 13 ohm, 40 watt
2, 3, 4FU	3	9774740P4	Fuse (1 amp)
1FU	1	K9774700P6	Fuse (20 amp)
34R	1	M6986159D68	Resistor, 68 ohms, 1 watt
12C	1	K8277647H47	Capacitor, .47 mfd., 600V.

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