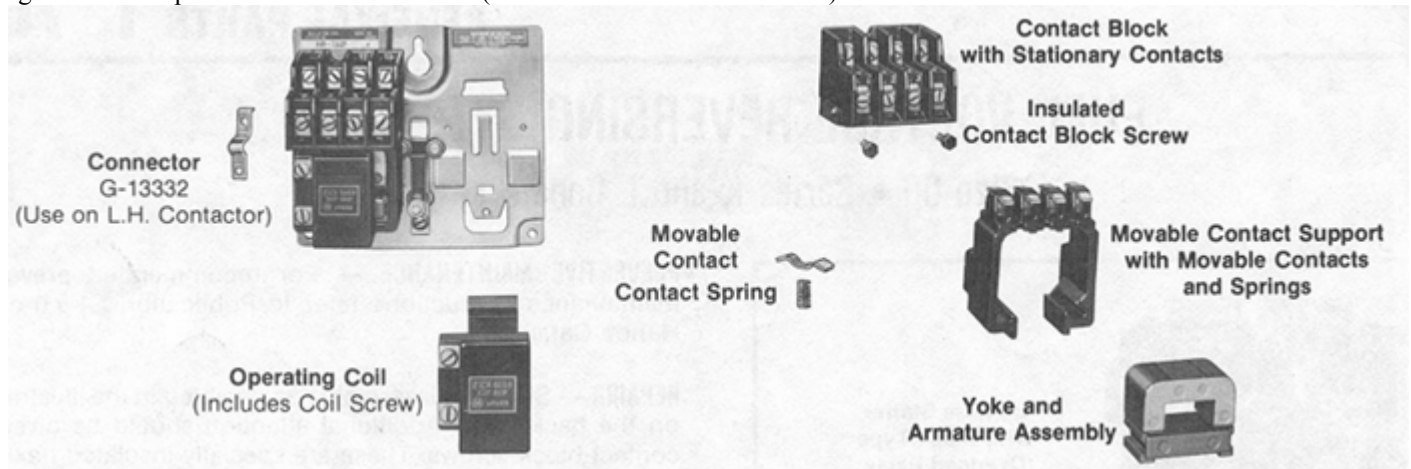


## Bulletin 505 Single Phase Full Voltage Reversing NEMA Starters Size 00 (all series)

### Renewal Parts

The 505 single phase starter consists of two or three switching poles and overload protection for one phase. Figure 1 is an exploded view of a 505 starter (left hand contactor is illustrated) – the Series A construction.



### Renewal Parts for Series 'A' Devices

Renewal Parts listed below are for the left-hand or right-hand contactor. The overload relay is wired to the right-hand contactor.

Part Description	Single Phase Reversing Starters	
	3 Lead Repulsion – Induction or Split Phase Capacitor Start Induction Run Type Motor (two switching poles)	4 Lead Repulsion – Induction or Split Phase Capacitor Start Induction Run Type Motor (three switching poles)
	AB Part Number	AB Part Number
Contact Block with Stationary Contacts	X-241077	X-241076
Movable Contact Support with Movable Contacts and Springs	X-241535	X-241534
Movable Contact Support less Contacts and Springs	F-20964	F-20964
Complete Set of Movable Contacts and Springs	Z-21102	Z-21103
Yoke and Armature Assembly	Z-31857	Z-31857
Insulated Contact Block Screw	M-7243	M-7243
Mechanical Interlock	Not Available	Not Available
Main Panel Mounting Plate	Not Available	Not Available
Overload Relay	815-BOV1635	815-BOV1635
Complete Contactor	Not Available	Not Available
Operating Coils	See Table	See Table

Operating Coils for Series 'A' Devices (Bulletin 505 single phase starters will require two operating coils.)

Cat No. Coil Suffix Code	AC Volts	Hz	Coil Repair Part Number
			Series A
XWJ	24	60	69A27
XD, XWD	115-120	60	69A86
	110	50	
XS, XWS	110-115	50	69A86
XH, XWH	200-208	60	69A113
XP, XWP	220-230	50	69A83
XA, XWA	230-240	60	69A83
XT, XWT	230-240	50	69A83
XF, XWF	277	60	69A52

Bulletin 505 Single Phase Full Voltage Reversing NEMA Starters  
Size 00 (all series)

### Renewal Parts for Series 'B' Devices

Part Description	Single Phase	
	3 Lead Repulsion – Induction or Split Phase Capacitor Start Induction Run Type Motor	4 Lead Repulsion – Induction or Split Phase Capacitor Start Induction Run Type Motor
	AB Part Number	AB Part Number
Contacts	Not Available	Not Available
Power Wiring Kit	Not Available	Not Available
Mechanical Interlock	Not Available	Not Available
Main Panel Mounting Plate	599-RAT	599-RAT
Eutectic Overload Relay	592-BOV4	592-BOV4
Solid State Overload Relay	Not Available	Not Available
Complete Contactor	Not Available	Not Available
Operating Coil	See coil table	See coil table

### Renewal Parts for Series 'C' Devices

There was no bulletin 505 single phase, size 00, series 'C' construction. The series letter was advanced from Series B to Series D.

### Renewal Parts for Series 'D' Devices

Part Description	Single Phase	
	3 Lead Repulsion – Induction or Split Phase Capacitor Start Induction Run Type Motor	4 Lead Repulsion – Induction or Split Phase Capacitor Start Induction Run Type Motor
	AB Part Number	AB Part Number
Contacts	Not Available	Not Available
Power Wiring Kit	105-PW23	105-PW23
Mechanical Interlock	599-M00R	599-M00R
Main Panel Mounting Plate	599-RAT	599-RAT
Eutectic Overload Relay	592-BOV4	592-BOV4
Solid State Overload Relay	Not Available	Not Available
Operating Coil	See coil table	See coil table

### Operating Coils for Series 'B' and 'D' Devices

Bulletin 505 single phase starters will require two operating coils.

Cat No. Coil Suffix Code	AC Volts	Hz	Coil Repair Part Number	Cat No. Coil Suffix Code	AC Volts	Hz	Coil Repair Part Number
			Series 'B'				Series 'D'
XWJ	24	60	GA013	XWJ	24	60	TA013
XD, XWD	115-120	60	GA473	XD, XWD	115-120	60	TA473
	110	50			110	50	
XS, XWS	110-115	50	GA473	XS, XWS	110-115	50	TA473
XH, XWH	200-208	60	GA049	XH, XWH	200-208	60	TA049
XP, XWP	220-230	50	GA474	XP, XWP	220-230	50	TA474
XA, XWA	230-240	60	GA474	XA, XWA	230-240	60	TA474
XT, XWT	230-240	50	GA442	XT, XWT	230-240	50	TA440
XF, XWF	277	60	GA060	XF, XWF	277	60	TA480

## Important User Information

Because of the variety of uses for the products described in this publication, those responsible for the application and use of this control equipment must satisfy themselves that all necessary steps have been taken to assure that each application and use meets all performance and safety requirements, including any applicable laws, regulations, codes and standards.

The illustrations, charts, sample programs and layout examples shown in this guide are intended solely for purposes of example. Since there are many variables and requirements associated with any particular installation, Rockwell Automation does not assume responsibility or liability (to include intellectual property liability) for actual use based upon the examples shown in this publication.


Allen-Bradley publication SGI-1.1, *Safety Guidelines for the Application, Installation and Maintenance of Solid-State Control* (available from your local Allen-Bradley office), describes some important differences between solid-state equipment and electromechanical devices that should be taken into consideration when applying products such as those described in this publication.

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Throughout this document we use notes to make you aware of safety considerations:

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<b>ATTENTION</b>	Identifies information about practices or circumstances that can lead to personal injury or death, property damage or economic loss
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<b>IMPORTANT</b>	Identifies information that is critical for successful application and understanding of the product.
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Use only replacement parts and devices recommended by Rockwell Automation to maintain the integrity of the equipment. It is the user's responsibility to ensure that the renewal part number selected is properly matched to the model, series and revision level of the equipment being serviced.

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<b>ATTENTION</b>	<p>Servicing energized Industrial Control Equipment can be hazardous. Severe injury or death can result from electrical shock, burn, or unintended actuation of controlled equipment. Recommended practice is to disconnect and lockout control equipment from power sources, and release stored energy, if present.</p>
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Refer to **National Fire Protection Association Standard No. NFPA70E, Part 2 and (as applicable) OSHA rules for Control of Hazardous Energy Sources (Lockout/Tagout) and OSHA Electrical Safety Related Work Practices** for safety related work practices, including procedural requirements for lockout/tagout, and appropriate work practices, personnel qualifications and training requirements where it is not feasible to de-energize and lockout or tagout electric circuits and equipment before working on or near exposed circuit parts.

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