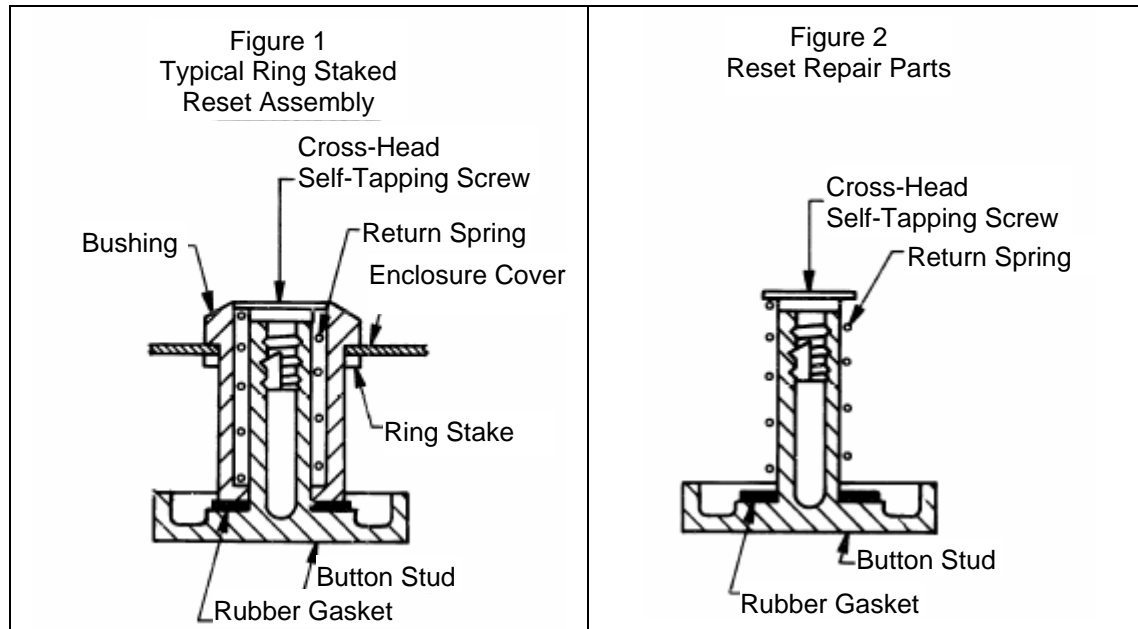


## Bulletin 505/509/520 Line Enclosed Non-Combination Starters In NEMA Type 1, 12 Enclosures

### Renewal Parts for Overload Relay Reset Button Assemblies



Overload Relay Reset repair part kits listed below contain what is pictured in Figure 2. In Figure 1, the bushing and ring stake parts are not available.

Catalog Number (starting with)	Enclosure Nema Type	Nema Size	Series Letter	Overload Relay AB Part Number
505-TA*, 505-TJ*	1, 12	00	B, D	40021-673-51
505-AA*, 505-AJ*	1, 12	0	All	40402-800-51
505-BA*, 505-BJ*	1, 12	1	All	40402-800-51
505-CA*, 505-CJ*	1, 12	2	All	40402-800-51
505-CA*-6P, 505-CJ*-6P	1, 12	2	All	40402-800-54
505-DA*, 505-DJ*	1, 12	3	All	40402-800-53
505-EA*, 505-EJ*	1, 12	4	All	40402-800-52
505-FA*	1	5	L	42481-024-51
505-FJ*	12	5	L	42481-024-52
505-GA*, 505-GJ*	1, 12	6	B, C	Z-20661
509-TA*, 509-TJ*	1, 12	00	B, D	40021-673-53
509-AA*, 509-AJ*	1, 12	0	All	40402-800-51
509-BA*, 509-BJ*	1, 12	1	All	40402-800-51
509-CA*, 509-CJ*	1, 12	2	All	40402-800-51
509-DA*, 509-DJ*	1, 12	3	All	40402-800-53
509-EA*, 509-EJ*	1, 12	4	All	40402-800-52
509-FA*	1	5	L	40021-651-01
509-FJ*	12	5	L	42481-024-52
509-FA*-6P, 509-FJ*-6P	1, 12	5	L	1493-N7
509-GA*, 509-GJ*	1, 12	5	B, C	40021-538-02
520*-AA*, 520*-AJ*	1, 12	0	All	40402-800-51
520*-BA*, 520*-BJ*	1, 12	1	All	40402-800-51
520*-CA*, 520*-CJ*	1, 12	2	All	40402-800-51
520*-CA*-6P, 520*-CJ*-6P	1, 12	2	All	40402-800-54
520*-DA*, 520*-DJ*	1, 12	3	All	40402-800-53
520*-EA*, 520*-EJ*	1, 12	4	All	40402-800-52
520*-AA*, 520*-FJ*	1, 12	5	L	42481-024-51
520*-FA*-6P, 520*-FJ*-6P	1, 12	5	L	42481-024-52

## Renewal Parts for Overload Relay Reset Button Assemblies In NEMA Type 1, 12 Enclosures

### Bulletin 506/507/512/513/522/523 Line Enclosed Combination Starters (pre-Series One devices)

Catalog Number	Nema Size	Series Letter	Reset Assembly
506-AA*, 506-AD*	0	A - F	1493-N15
506-BA*, 506-BD*	1	A - F	1493-N15
506-CA*, 506-CD*	2	A - E	1493-N15
506-DA*, 506-DD*	3	A - E	1493-N16
506-EA*, 506-ED*	4	A - E	1493-N17
506-FA*, 506-FD*	5	L	1493-N20
507-AA*, 507-AD*	0	A - E	1493-N15
507-BA*, 507-BD*	1	A - E	1493-N15
507-CA*, 507-CD*	2	A - F	1493-N15
507-DA*, 507-DD*	3	A - E	1493-N16
507-EA*, 507-ED*	4	A - F	1493-N17
507-FA*, 507-FD*	5	L	1493-N20
512-AA*, 512-AD*	0	A - D	1493-N15
512-BA*, 512-BD*	1	A - D	1493-N15
512-CA*, 512-CD*	2	A - C	1493-N15
512-DA*, 512-DD*	3	A - D	1493-N16
512-EA*, 512-ED*	4	A - E	1493-N17
512-FA*, 512-FD*	5	L	1493-N20
513-AA*, 513-AD*	0	A - E	1493-N15
513-BA*, 513-BD*	1	A - E	1493-N15
513-CA*, 513-CD*	2	A - F	1493-N15
513-DA*, 513-DD*	3	A - E	1493-N16
513-EA*, 513-ED*	4	A - F	1493-N17
513-FA*, 513-FD*	5	L	1493-N20
522/523*-AA*, BA*	0 - 1	A - F	1493-N15
522/523*-CA	2	A - E	1493-N15
522/523*-DA*	3	A - F	1493-N16
522/523*-EA*,	4	A - E	1493-N17
522/523*-FA*,	5	L	1493-N20

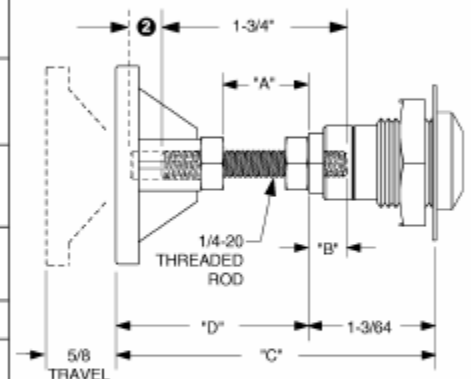
## Renewal Parts for Overload Relay Reset Button Assemblies In NEMA Type 1, 12 Enclosures

Bulletin 506/507/512/513522/523 Line Enclosed Combination Starters (Series One devices)

Catalog Number	Nema Size	Reset Assembly
506-AA*, 506-AD*	0	1493-N21
506-BA*, 506-BD*	1	1493-N21
506-CA*, 506-CD*	2	1493-N21
506-DA*, 506-DD*	3	1493-N21
506-EA*, 506-ED*	4	1493-N21
506-FA*, 506-FD*	5	1493-N21
507-AA*, 507-AD*	0	1493-N21
507-BA*, 507-BD*	1	1493-N21
507-CA*, 507-CD*	2	1493-N21
507-DA*, 507-DD*	3	1493-N21
507-EA*, 507-ED*	4	1493-N21
507-FA*, 507-FD*	5	1493-N21
512-AA*, 512-AD*	0	1493-N21
512-BA*, 512-BD*	1	1493-N21
512-CA*, 512-CD*	2	1493-N21
512-DA*, 512-DD*	3	1493-N21
512-EA*, 512-ED*	4	1493-N21
512-FA*, 512-FD*	5	1493-N21
513-AA*, 513-AD*	0	1493-N21
513-BA*, 513-BD*	1	1493-N21
513-CA*, 513-CD*	2	1493-N21
513-DA*, 513-DD*	3	1493-N21
513-EA*, 513-ED*	4	1493-N21
513-FA*, 513-FD*	5	1493-N21
522/523*-AA*, BA*	0 – 1	1493-N21
522/523*-CA*, DA*	2 – 3	1493-N21
522/523*-EA*, FA*	4 – 5	1493-N21

### Reset Adjustment

ENCLOSURE DIMENSIONS H x W x D	ADJUST LENGTH "A"	THREAD ENG. "B"	LENGTH "C" ⓐ	(C-1-3/64) LENGTH "D"	BUL. NO.	NEMA SIZE
27" x 10" x 8"	1-1/8	1/4	2-15/16	1-57/64	512	0-1-2
					513	
					506X	
					507X	
30" x 20" x 9"	1-1/8	1/4	2-15/16	1-57/64	512M	1-2
					513M	
					1232X	
					1233X	
30" x 20" x 9"	1	1/4	2-13/16	1-49/64	506	0-1-2
					507	
					522E-F-G	
					523E-F-G	
50" x 22" x 10"	23/32	13/32	2-17/32	1-29/64	512	3
					513	
					1232X	
					1233X	
56" x 30" x 11"	23/32	13/32	2-17/32	1-29/64	512	5
					513	
					1232X	
					1233X	
50" x 22" x 10"	19/32	17/32	2-13/32	1-21/64	506	3
					507	
					512	
50" x 22" x 10"	3/8	3/4	2-3/16	1-9/64	513	4
					1232X	
					1233X	
					506	
50" x 22" x 10"	1/4	7/8	2-1/16	1-1/64	507	4 <sup>ⓐ</sup>
					522E-F-G	
					523E-F-G	
					506	
56" x 30" x 11"	---	7/8	1-13/16	49/64	507	5 <sup>ⓐ</sup>
					523E-F-G	
					506	



- ⓐ FOR RESET LENGTHS GREATER THAN 3" ("C"), OBTAIN A 1/4-20 THREAD ROD AND CUT TO LENGTH.
- ⓑ THESE APPLICATIONS MAY REQUIRE ADDITIONAL ADJUSTMENT OF THE THREADED ROD INTO THE RESET OPERATOR.

## 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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### ATTENTION

Identifies information about practices or circumstances that can lead to personal injury or death, property damage or economic loss



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### IMPORTANT

Identifies information that is critical for successful application and understanding of the product.

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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### ATTENTION

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.



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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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