



SPEED SWITCHES

★ DESCRIPTION — Bulletin 808 Speed Switches are furnished in two enclosure types; NEMA Type 1, 4 and 13 or NEMA Type 7 & 9. They are supplied in either of two contact arrangements; two normally open (2 N.O.) or two normally closed (2 N.C.). Two speed ranges are available: 20-80 and 50-1000 RPM. Modifications include a lockout solenoid and three types of mounting brackets, either factory installed or in kit form for user installation.

CAUTION — To avoid electrical shock and/or unintended operation of equipment, disconnect all power to the speed switch and controlled equipment before any maintenance or repair of the speed switch.

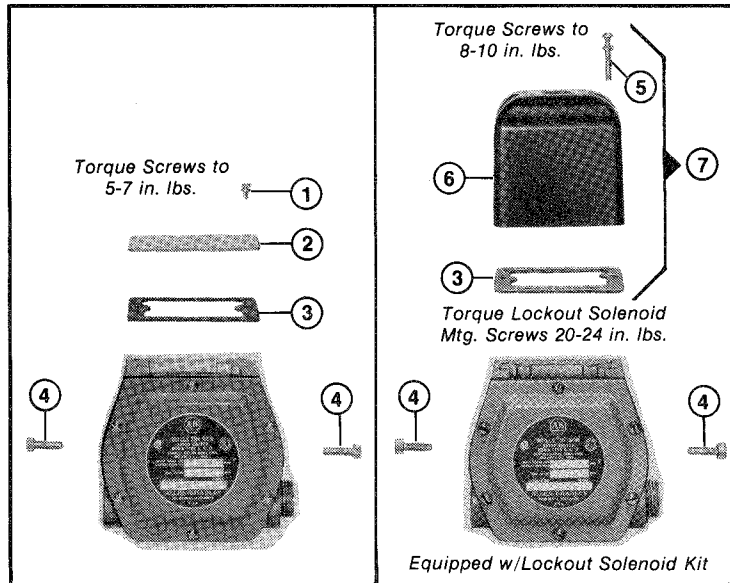
MAINTENANCE — Periodic inspection of the shaft seal is suggested. If seal wear is evident, replace with External Bearing Seal Kit Catalog Number 808-N5. Installation instructions are included with replacement kit.

CONTACT RATINGS —

AC NEMA RATING DESIGNATION B600					DC		
Max. AC Voltage	Amperes		Continuous Carrying Current	Voltamperes		Max. Voltage	Amperes
	Make	Break		Make	Break		
120	30	3.00	5	3600	360	115-125 230-250	0.12 0.08
240	15	1.50	5	3600	360		
480	7.5	0.75	5	3600	360		
600	6	0.60	5	3600	360		

CAUTION — Do not attempt to disassemble the shaft assembly. Any such attempt may permanently damage the Speed Switch.

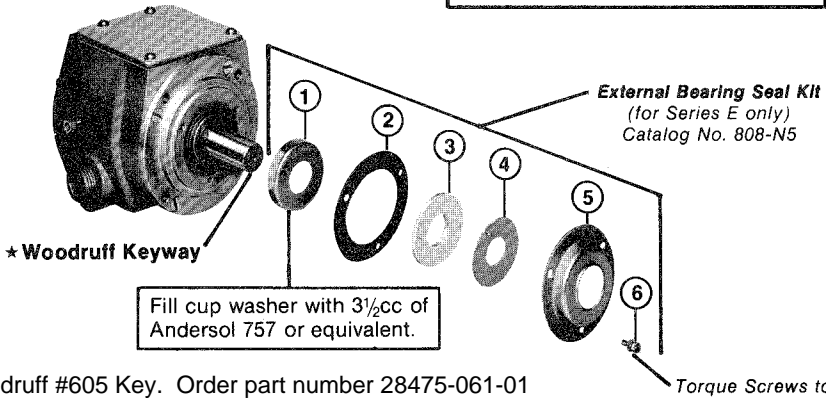
Bearings are the permanently lubricated type. In severe environments, such as cement dust, the shaft seal should be cleaned and lubricated with "Andersol 757" or equivalent. "Andersol 757" is a synthetic diester multi-purpose grease.



RENEWAL PARTS		
Item	Description of Part	Part No.
1	#6-32 x 5/16" Screw w/Washer (4 Req'd.)	—
2	Top Plate (only)	A-37864
3	Gasket (only)	F-16652
4	Adjustment Screw (NEMA Type 1, 4 & 13)	M-7852
	Adjustment Screw (NEMA Type 7 & 9)	M-7381
5	#8-32 x 1" R.H.M.S. (2 Req'd.)	—
	#8 Spring Washer (2 Req'd.)	—
6	Lockout Solenoid Cover (only)	F-16902
7	Lockout Solenoid Kit	See Table

LOCKOUT SOLENOID KIT					
Volts	Hz	Catalog No.	Volts	Hz	Catalog No.
120	60	808-NLA1	480	60	808-NLA4
110	50		440	50	
208	60	808-NLA20	600	60	808-NLA6
240	60	808-NLA2	550	50	
220	50				

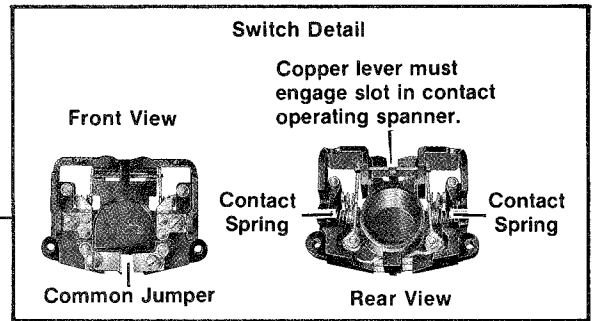
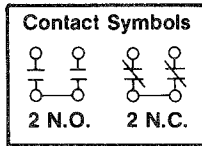
DO NOT ATTEMPT TO DISASSEMBLE SHAFT ASSEMBLY
(disassemble only to extent shown)



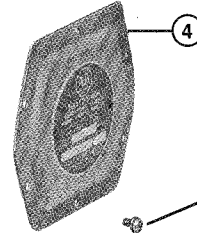
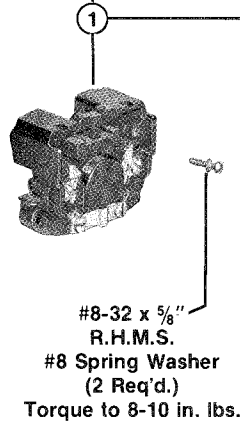
EXTERNAL BEARING SEAL KIT	
Item	Description of Part
1	Cup Washer
2	Gasket
3	Felt Washer
4	Polyurethane Washer
5	Dust Cover
6	(3) #6-32 x .312" Fillister Head Screws w/Washers

* Woodruff #605 Key. Order part number 28475-061-01
 Also used on NEMA Type 4 series identification letters, A, B, or C.

Copper lever must be centered to permit installation of switch assembly.



Adjustment screws must be backed-out until flush with inside wall to permit removal and replacement of switch assembly.



#6-32 x 5/16" Screw w/Washer (6 Req'd.)
 Torque to 5-7 in. lbs.

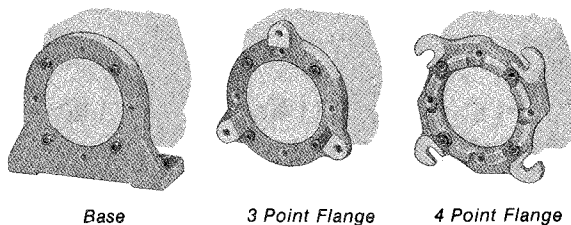
NOTE — The contacts are fed electrically thru a common terminal jumper. (See switch assembly detail, front view illustration.) If isolated contacts are desired — remove jumper and wire to each terminal.

ORDERING INFORMATION — Your order cannot be processed unless the following information is given: Part number, description of part, catalog number and series number or letter of switch.

RENEWAL PARTS					
Item No.		1	2	3	4
Bulletin 808		Switch Assembly (Includes Contact Springs)	Contact Springs (2 Req'd)	Cover Gasket	Cover
* Style	Series Identification Letter	Part No.	Part No.	Part No.	Part No.
C-CL	A-B-C	X-332580	B-15118	F-16651	A-37863
	D-E	X-332581			
D-DL	A-B-C	X-332582	B-15119		
	D-E	X-332583			
E-EL	A-B-C	X-332584	B-15118		
	D-E	X-332585			
F-FL	A-B-C	X-332586	B-15119		
	D-E	X-332587			
G-GL	A-B-C	X-332588	B-26679		
	D-E	X-332589			
H-HL	A-B-C	X-332584	B-15118		
	D-E	X-332585			
J-JL	F	X-332589	B-22679		
K-KL	F	X-332585	B-15118		
M-ML	F	X-332583	B-15119		
R-RL	F	X-332587	B-15119		

NOTE — Parts indicated with are recommended spare parts.

Interchangeable Mounting Brackets



* Added since previous issue.

MOUNTING BRACKETS	
Type of Mtg.	Catalog No.
Base	808-N1
3 Point Flange	808-N2
4 Point Flange	808-N3
Base (NEMA 7 & 9)	X-268875

Installation instructions are included with brackets.



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:

ATTENTION

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



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.

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.



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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