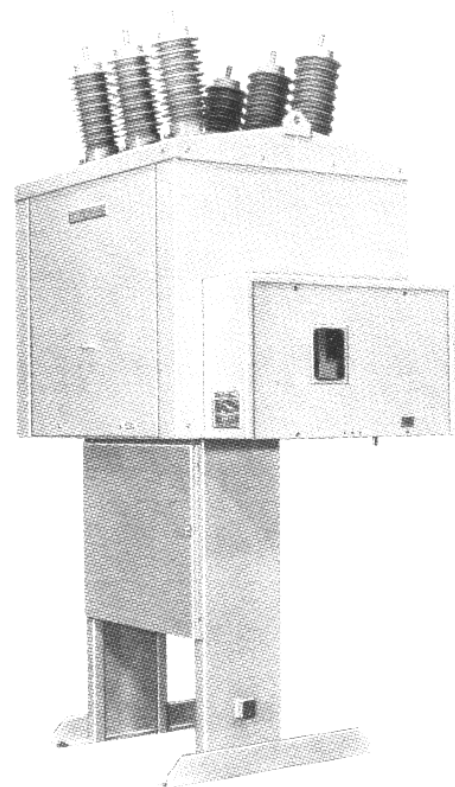


Replacement Parts Supplement

SF₆ Substation Circuit Breakers Type FB (Series 2)



This supplement identifies replacement parts for the FB Series 2 breakers having one of the catalog numbers below. The catalog number is stamped on the breaker nameplate. The replacement parts may be ordered through your local Square D sales representative or the Customer Service department.

If you need a part for an FB breaker that is not listed below, contact either your local Square D sales representative or the Customer Service Department, 330 Weakley Road, Smyrna, Tennessee, 37167 (telephone number: 615-459-5026, fax 615-459-8448).

Substation Circuit Breaker Catalog Numbers

<u>15 kV</u>	<u>25.8 kV</u>	<u>38 kV</u>
FBS1061108	FBS2061208	FBS3061512
FBS1061112	FBS2061212	FBS3061516
FBS1061116	FBS2061216	FBS3061520
FBS1061120	FBS2061218	FBS3061525
FBS1121108	FBS2061220	FBS3121512
FBS1121112	FBS2061225	FBS3121516
FBS1121116	FBS2121208	FBS3121520
FBS1121120	FBS2121212	FBS3121525
FBS1121125	FBS2121216	
	FBS2121218	
	FBS2121220	
	FBS2121225	



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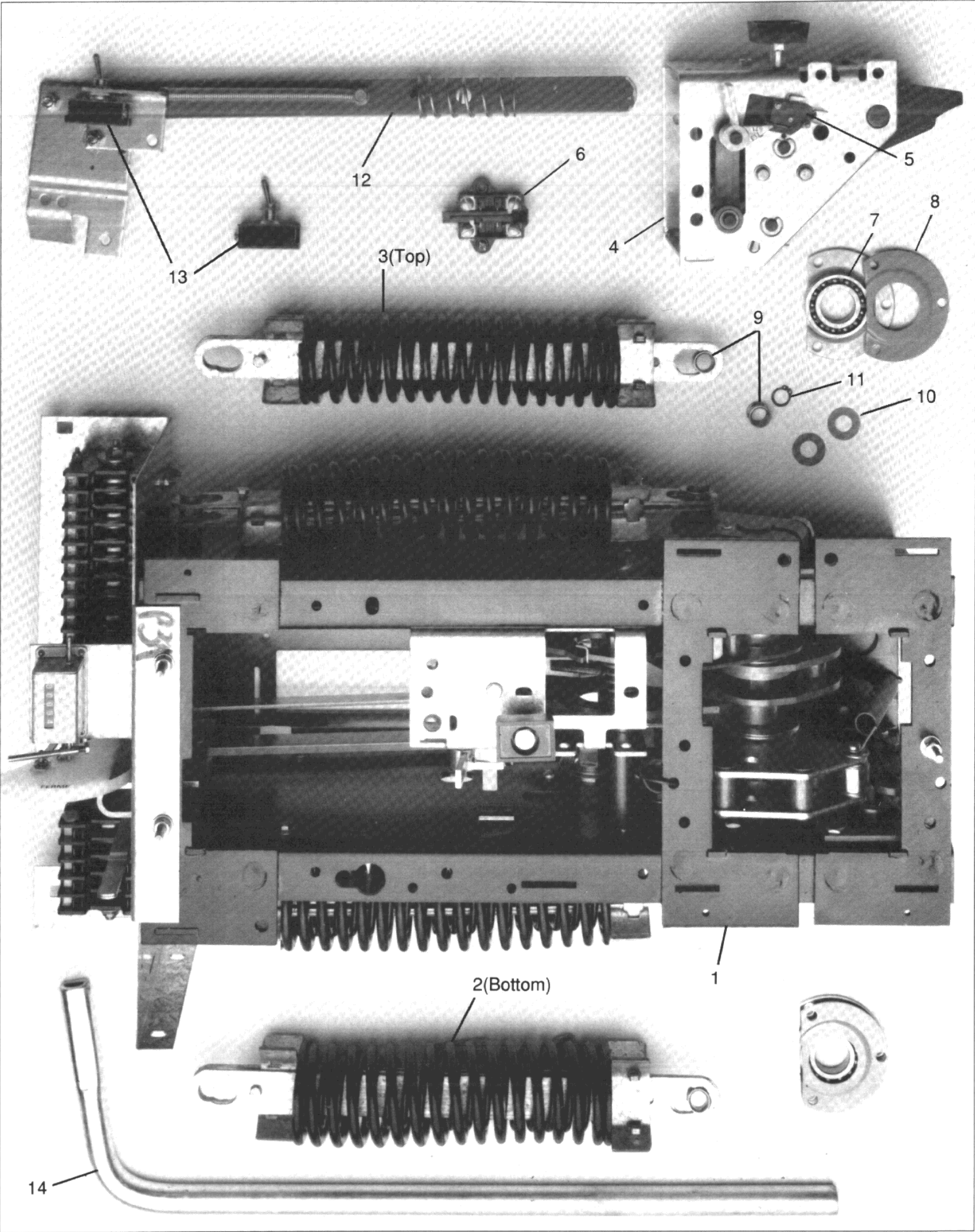


Figure 1

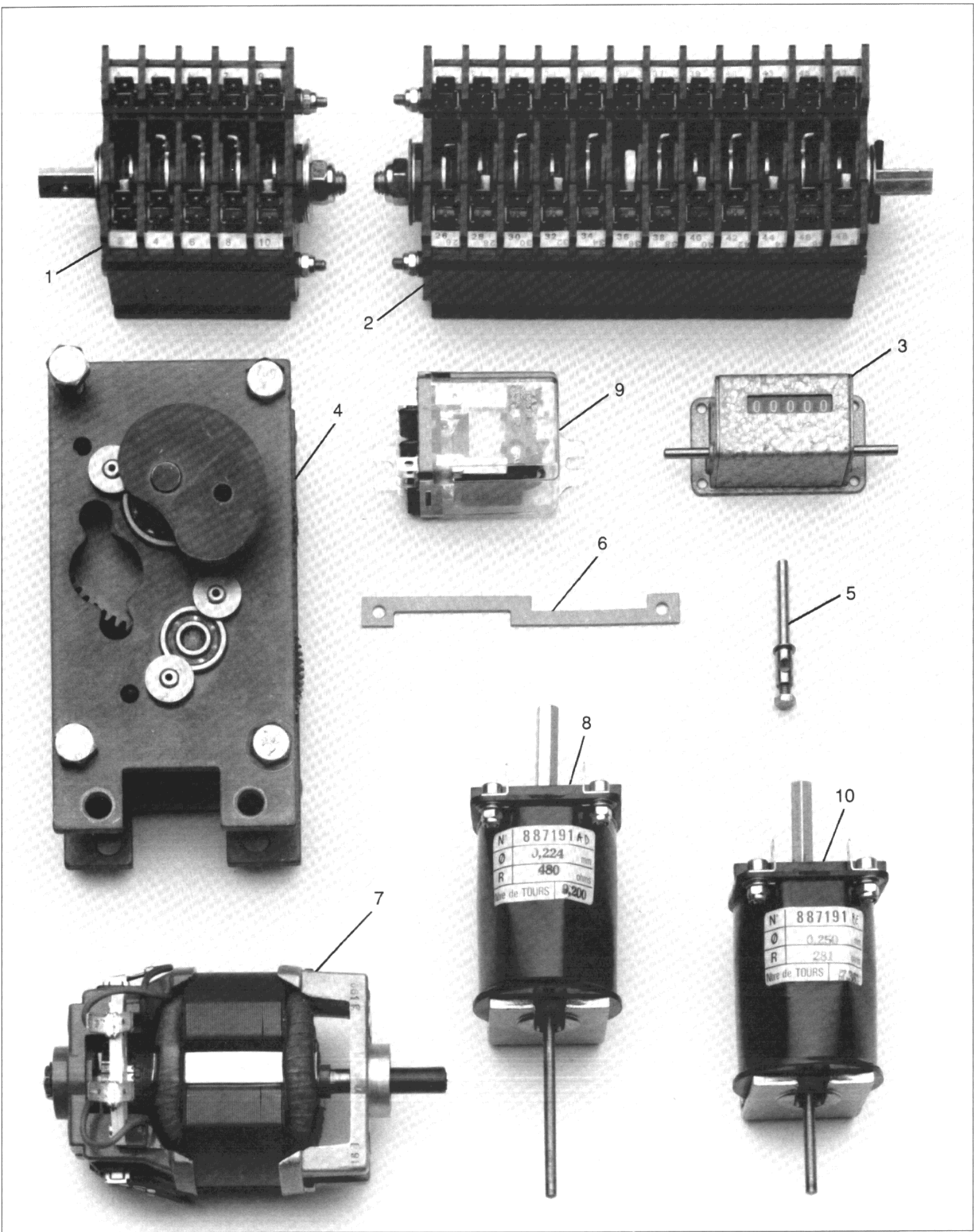


Figure 2

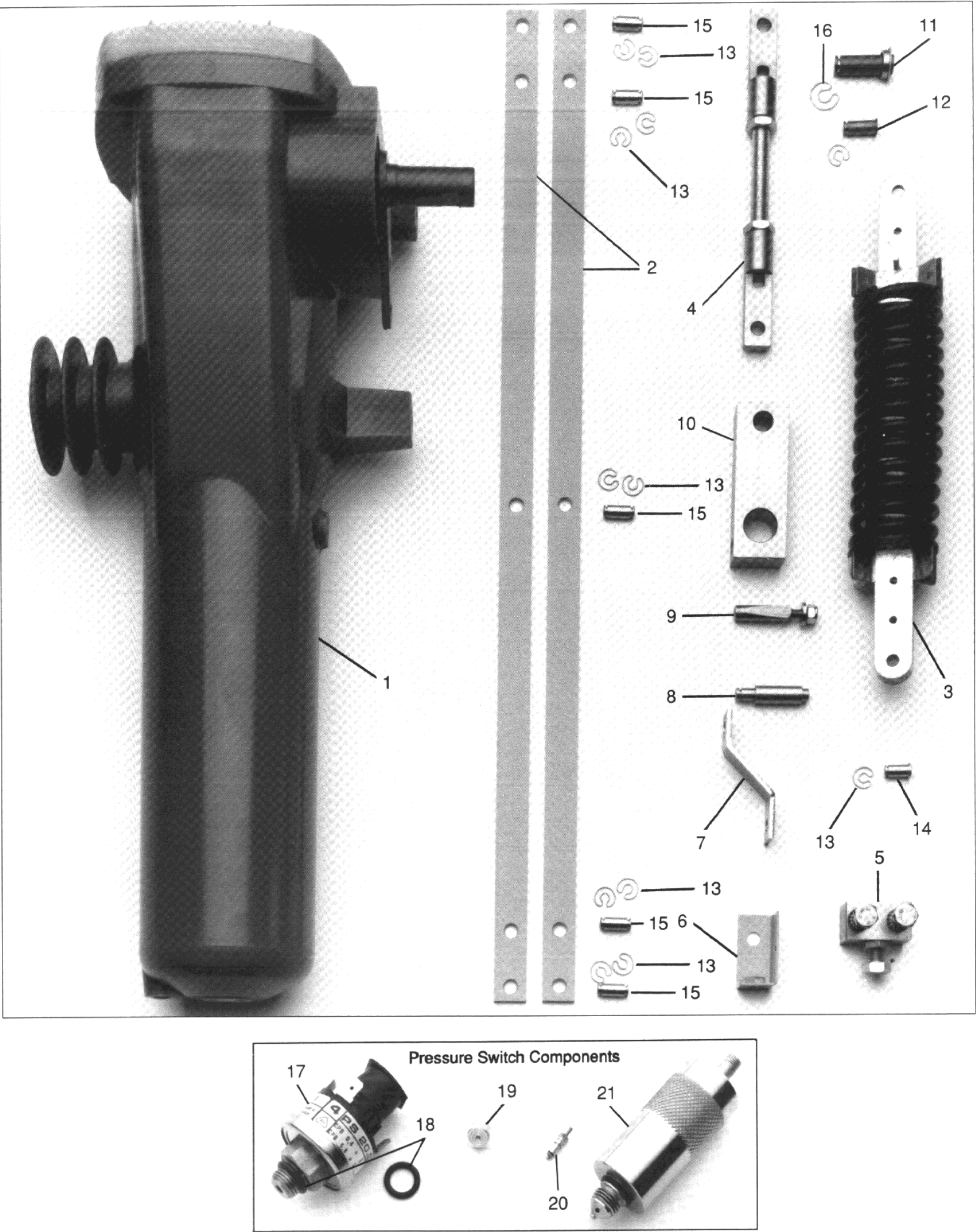


Figure 3

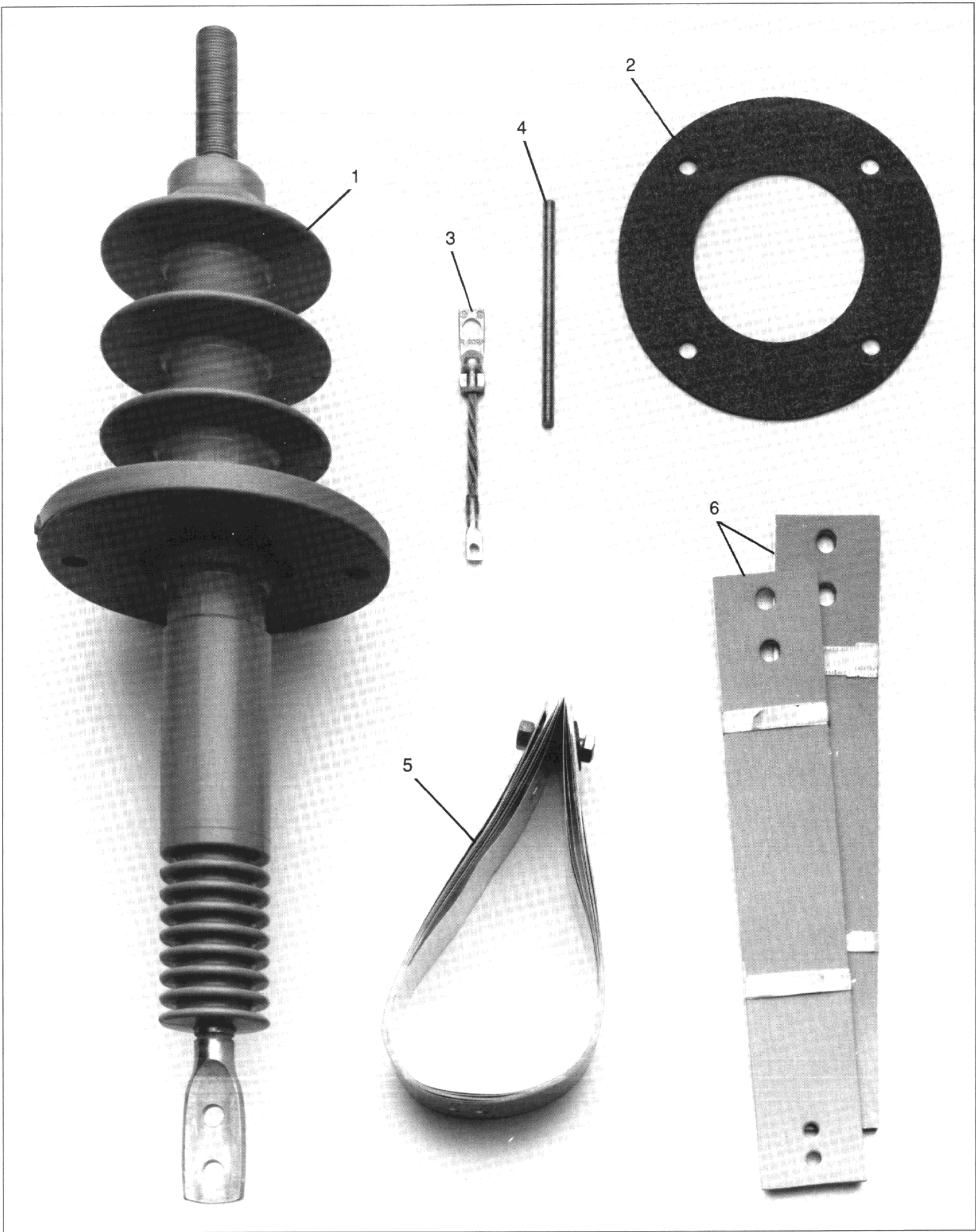


Figure 4

Replacement Parts

When ordering replacement parts, please specify the part number, quantity, description of part, breaker catalog number, breaker serial number, and Square D factory order number.

Figure 1	Item	Description	Part Number
	1	Mechanism Assembly	730221C
	2	Charging Spring— Bottom	887637EEAA
	3	Charging Spring— Top	887637ENAA
	4	Latch Mechanism Assembly	9011045B1
	5	Latch Check Switch	25711504
	6	End Of Charge Switch	44080-588-01
	7	Main Shaft Bearing	877791
	8	Bearing Flange	877568
	9	Spring End Bushing	888005
	10	Washer	21222012
	11	Retaining Ring, 12 mm.	29915-03050
	12	Emergency Trip Assembly	44081-430-50
	13	Emergency Trip Lockout Switch	26202-01103
	14	Manual Charging Handle	44080-386-01
Figure 2	Item	Description	Part Number
	1	Auxiliary Switch, 5 Contacts	44065-038-50
	2	Auxiliary Switch, 12 Contacts	44065-038-52
	3	Operations Counter	1502403
	4	Motor Gear Box Assembly	887642A
	5	Operations Counter Operating Arm	759501
	6	Indicator Connecting Link	755669

Motors and Solenoids (Figure 2)

Item	Description	Part Number	Voltage Rating	Operating Voltage Range	Nominal Current Amperes
7	Charging Motor	886657	24VDC	—	8
		886658	48VDC	36–56VDC	6
		886661	125VDC	90–140VDC	3.2
		886662	250VDC	180–280VDC	1.6
		886661	120VAC	104–127VAC	3
		886662	240VAC	208–254VAC	1.6
8	Closing Solenoid	44065-389-01	24VDC	—	1.4
		44065-389-02	48VDC	36–56VDC	.7
		44065-389-03	125VDC	90–140VDC	.25
		44065-389-04	250VDC	180–280VDC	.15
		44065-389-05	120VAC	104–127VAC	2
		44080-590-01	240VAC	208–254VAC	1
9	Anti-Pump Relay	8501KFD12-24VDC	24VDC	—	
		KUP11D55-48VDC	48VDC	36–56VDC	
		8501KFD12-110VDC	125VDC	90–140VDC	.02A
		8501KFD12-110VDC	250VDC	180–280VDC	to
		& Resistor 26160-21660			.2A
		8501KF12-120/60	120VAC	104–127VAC	
10	Trip Solenoid	44050-266-01	240VAC	208–254VAC	
		44080-590-20	24VDC	14–28VDC	2
		44080-590-21	48VDC	28–56VDC	1
		44065-389-23	125VDC	70–140VDC	.5
		44080-590-22	250VDC	140–280VDC	.25
		44065-389-25	120VAC	104–127VAC	1.2
		44065-389-26	240VAC	208–254VAC	.6
		887191BJ	125VDC*		3

* Special 3 amp Rating

Replacement Parts

When ordering replacement parts, please specify the part number, quantity, description of part, breaker catalog number, breaker serial number, and Square D factory order number.

Figure 3	Item	Description	Part Number(s)	Rating
	1	FB Interrupter Without Pressure Switch	730031B/730759B	
		FB Interrupter With Pressure Switch	730031B/730759C	
	2	Interpole Connecting Rod (2)	44081-339-01	15.5 kV
		Interpole Connecting Rod (2)	44081-339-02	25.8/38 kV
	3	Opening Spring Assembly	730056DJ	
	4	Connecting Rod Assembly	44081-428-50	15.5 kV
		Connecting Rod Assembly	44081-428-51	25.8/38 kV
	5	Stop Block Assembly	44081-429-50	
	6	Doble Analyzer Connector	44080-253-50	
	7	Anchor Pin Support	755504	
	8	Opening Spring Anchor Pin	755503	
	9	Locking Pin Assembly	1022263	
	10	Opening Crank	755914	
	11	M14 x 37 mm. Bronze Pin	755497	
	12	M10 x 21.5 mm. Head. Bronze Pin	755915	
	13	M10 Bauman Ring	21217108	
	14	M9.7 x 15 mm. Head. Bronze Pin	755549	
	15	M10 x 18 mm. Bronze Pin	44080-189-01	
	16	M14 Bauman Ring	21217110	
	17	Pressure Switch (.5 Bar)	730759C	
	18	O-Ring	730407	
	19	Valve Depression Disc	730307	
	20	Gas Valve	1788280	
	21	Gas Charging Adapter	44081-399-50	
Figure 4	Item	Description	Part Number	Rating
	1	Bushing—1200A	44081-311-01	15.5 kV
		Bushing—1200A	44081-312-01	25.8/38 kV
	2	Gasket (for 44081-311-01)	44081-313-01	15.5 kV
		Gasket (for 44081-312-01)	44081-313-02	25.8/38 kV
	3	Ground Strap	44081-386-50	
	4	C/T Support Stud 3/8-16 x 4-1/4 Long	44081-385-01	
		C/T Support Stud 3/8-16 x 6-1/2 Long	44081-385-02	
		C/T Support Stud 3/8-16 x 8-3/4 Long	44081-385-03	
	5	Top Interrupter Flex. Conn.	44081-343-01	15.5 kV
		Top Interrupter Flex. Conn.	44081-355-01	25.8/38 kV
	6	End Interrupter Flex. Conn.	44081-344-01	15.5 kV
		End Interrupter Flex. Conn.	44081-354-01	25.8/38 kV



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