



TUV NORD



Jyoti Ltd.

'Jyoti' MOCB and VCB Switchgear



Spares Manual

JYOTI LTD.

Jyoti Ltd. is a leading engineering company offering high quality products and services to clients in India and in the international market. Established in 1943, today, Jyoti Ltd. is serving the vital sectors of national and international economy.

Jyoti has received ISO-9001:2000 Certification for establishing and applying Quality System for design, development, manufacture and servicing of its switchgear, pumps, generators, motors and hydro turbines.

Jyoti has been in the forefront of Medium Voltage Switchgear since early sixties, having technical collaboration with erstwhile Calor-Emag of West Germany. Jyoti has supplied more than 20,000 MOCBs in thermal power stations, petrochemical complexes, refineries and transmission & distribution sub stations of various state electricity boards in India. Keeping pace with the technological changes, Jyoti entered into technical collaboration with Toshiba Corporation, Japan in mid eighties for manufacturing wide range of Vacuum Circuit Breakers (VCBs). Jyoti has manufactured more than 12,000 nos of VCBs till date and they are working satisfactorily. Jyoti has undertaken 'Retrofitting' of MOCBs with VCBs aggressively. During last decade, Jyoti has carried out 'Retrofitting' of nearly 1000 MOCBs with VCBs at number of installations.

Jyoti has a country-wide marketing network of Branch Offices and dealers. They all are backed up by well-equipped customer services available at authorised service centers as well as at Branch offices.

The Need and importance of procuring genuine spares and components for your 'Jyoti' Switchgear from us need hardly be emphasised. For making the identification of spares and components quick and correct, Jyoti has brought out this detailed Spares Manual to assist our valued customers like you.

We welcome your valued suggestions and direct interaction too. However, for the timely and smooth working, we would request you to call our authorised dealer / Branch Office in your area who will ensure the procurement of genuine spares for your switchgear.

SPARES FOR 'JYOTI' MOCB' OZ2 MECHANISM

ITEM No.	DESCRIPTION	DRG NOs
1.	Plunger Rod Assly	947-3991+717-3519
2.	Gear Box	Type B
3.	Supporting Crank Assly	947-2120
4.	Holding Crank Assly	947-4644
5.	Shaft for Above	957-3100
6.	Trip Shaft Assly	947-4769
7.	Trip Shaft	J473-617
8.	Closing Shaft Assly	947-4641
9.	Distance Pin	957-1881/A
10.	Fish Plate Assly	947-1379
11.	Connecting Rod Assly	947-4655
12.	Charging Crank Assly	947-4706
13.	ON / OFF Indicator Assly	947-5013
14.	Clamp Assly, Left	947-4961
15.	Spring ON Trip Shaft	710-7188
16.	Pin for Plunger Rod	717-3519
17.	Tube Assly	947-4765
18.	Blocking Lever	957-2299
19.	Switch Crank Assly	947-5152
20.	Return Lever Assly	947-4647
21.	Carrier Assly	947-4646
22.	Operating Rod	957-5332
23.	Release Hammer Assly	947-4766
24.	ON / OFF Push Button Assly	J409-093/A,B
25.	4 Pole Auxil Switch Assly	J309-001
26.	Spring Charging Motor	
27.	AA Type Closing Coil Assly	717-9260
28.	Only Coil Assly (AA type)	947-2754
29.	PL Type Tripping Coil Assly	947-2221
30.	Only Coil Assly (PL Type)	940-0092

Note : Please confirm the Auxil Voltage while receiving the order.
Circlip can be selected, from OD1 Mech Lists

MOCB - OZ2 - MECHANISM



SPARES FOR 'JYOTI' MOCB OD1/MS2/MS3 MECHANISM

ITEM No.	DESCRIPTION	DRG NOs
1.	Double Crank Front	917-2766
2.	Double Crank Rear	947-2767
3.	Coupling Ring	717-2272
4.	Stop Waher	947-4723
5.	Roller for Double Crank	957-3919
6.	Pin for Double Crank	957-3828
7.	Col Wheel	947-2717
8.	M.S. Ring	957-4656
9.	Travelling Nut	957-3928
10.	Ring for Travelling Nut	947-2723
11.	Washer Assly for TR. Nut	947-4165
12.	Washer for Tr. Nut	957-3825
13.	Distance Piece	957-7212
14.	Motor Carrier	J572-161
15.	Blocking Pin	957-5400
16.	Blocking Spring	710-7548
17.	Leaf Spring	957-3938
18.	Blocking Latch with Grub Screw & Nut	957-3824
19.	Charging Crank	947-2719
20.	Blocking Crank	947-4160
21.	Fish Piece for D Crank	957-3914
22.	Ratchet Wheel	947-3492
23.	Pin for Stop Washer	J573-173/03
24.	Front Half Shaft MS2	J479-430
25.	Rear Half Shaft MS2	J479-432
26.	Segment Crank	947-2967
27.	Spirel Drum	947-3494/01
28.	ON / OFF Push Button Assly	J409-149
29.	2 Pole Auxil Switch*	J309-021
30.	5 Pole Auxil Switch*	J309-022
31.	Spring Charging Motor	
32.	Gear Box	Type OD1
33.	Contactora (Jyoti make)	Type-H
34.	Spanning Pin	2x16, 2x10, 2x12, 2x20 3x32, 4x10, 4x26, 4x40 6x50, 6x26, 5x40
35.	Circlip	C3.2x0/C4x0.8, C6x0.8 C8x0.8, C9x0.8, C10x0.8 C12x1.0, C15x1.0
36.	PL TYpe Triping Coil Assly (OD1/MS1)	947-2221
37.	PL Type Closing Coil Assly (OD1/MS1)	947-3182
38.	Only Coil Assly (PL Type)	940-0092
39.	Closing / Triping Coil Assly (MS2/MS3)	J479-483
40.	Only Coil Assly (MS2/MS3)	J479-482

Note : Please confirm the Auxil Voltage while Receiving the Order.

*Specify Contact Configuration.

MOCB OD1 / MS2 / MS3 MECHANISM



ITEM NO	PART NAME	250 MVA,630 /800A OZ2	350 MVA,630 /1250A, OZ2	350 MVA 1600A OD1	500 MVA,630 /1250A OD1	500 MVA 2000A OD1	MT-1-1206 1208-12KA	MT-1-1206 1212-20KA	MT-1-1212 25KA	MT-2-1206 1208-12KA	MT-2-1208 1212-20KA
1	Pole Part Assly	717-9215/A 717-9215/B	717-9410/01 717-9410/02	717-9389/03 -	717-9384/B 717-9384/A	J179-007/01 -	J179-052/03 J179-052/04	J179-052/01 J179-052/02	J179-081	J179-061/01 J179-061/02	J179-070/01 J179-070/02
2											
3	Coller Pin	J473-780/01	J473-780/02	J573-518	J573-518	J473-656	J573-518	J573-518	J573-518	J573-518	J573-518
4	Washer	A-11	A-11	A-11	A-11	A-11	A-11	A-11	A-11	A-11	A-11
5	Split Pin	3.2X18MM	3.2X25MM	3.2X25MM	3.2X25MM	3.2X25MM	3.2X25MM	3.2X25MM	3.2X25MM	3.2X25MM	3.2X25MM
6	M.C. Rod Assly	947-4521/A	947-4494/04	947-1769/0	947-1769/N	J379-040	947-4521/01	947-4494/04	J474-641/01	947-4521/01	947-4494/04
7	Arching Camber Head Assly	947-1403	J479-651	947-3081	947-3081	J479-158	947-1403	J479-651	J479-651	947-1403	J479-651
8	Breather Plug Assly	947-4121	947-4121	947-4121	947-4121	947-4121	J379-165	J379-165	J379-165	J379-165	J379-165
9	Comp. Spring (Upper)	710-7208	710-7280	710-7280	710-7280	710-7280	710-7208	710-7208	710-7280	710-7208	710-7280
10	Comp. Spring (Lower)	710-7284	710-7160	710-7160	710-7160	710-7160	710-7284	710-7160	710-7160	710-7284	710-7160
11	Spring Cap (Upper)	957-1470	957-1470	957-1470	957-1470	957-1470	957-1470	957-1470	957-1470	957-1470	957-1470
12	Spring Cap (Lower)	957-2680	957-2680	957-2680	957-2680	957-2680	957-2680	957-2680	957-2680	957-2680	957-2680
13	Sealing Ring Washer	957-3884	957-3884	957-3884	957-3884	957-3884	957-3884	957-3884	957-3884	957-3884	957-3884
14	Contact Finger	710-5123	710-5115	710-5084	710-5084	J473-157	710-5123	710-5115	J473-643	710-5123	710-5115
15	"O" Ring	J572-013	J572-015	J572-015	J572-015	J572-210	J572-013	J572-015	J572-015	J572-013	J472-583/02
16	Sealing Ring Rubber	717-2223	717-2223	717-2223	717-2223	J572-272	717-2223	717-2223	717-2223	717-2223	717-2223
17	Sealing Screw	J573-105	J573-105	J573-105	J573-105	J573-105	J573-105	J573-105	J573-105	J573-105	J573-105
18	Oil Indicating Tube OR Indicating Class	717-2256 -	717-2256 -	717-2256 -	717-2256 -	717-2256 -	- J472-620	- J472-620	- J472-620	- J472-620	- J472-620
19	Oil Level Indicator Assly	947-1412/01* 947-1412/18\$	947-1412/10* 947-1412/16\$	947-1412/16	947-1412/10	947-1412/03	-	-	-	-	-
20	"O" Ring for Indicator Glass	-	-	-	-	-	E442-051/03	E442-051/03	E442-051/03	E442-051/03	E442-051/03
21	Oil Plug	-	-	-	-	-	J573-406	J573-406	J573-406	J573-406	J573-406
22	Bottom Connection Piece-with Nut & Bolts	717-6492\$ J476-089*	717-6492/6480\$ J476-089/091*	947-2210	717-6492 717-6480	J376-044	J476-089 J476-091	J476-091	-	J474-230/02	J474-230/02
23	T.C. Flange	J376-161/01	J376-160/01	947-0275	-	J276-028	J376-161/02	J376-160/02	J376-160/02	J376-176	J376-194
24	Insulating Lever	947-2771	947-2771	947-3013/B	-	-	947-2771	947-2771	947-2771	947-2771	947-2771
25	Holding Ring	717-2275	717-2325	717-2295	717-2295	J572-260	717-2275	717-2295	717-2295	717-2275	717-2295
26	Buffer Washer	957-2563	957-2563	947-2572	957-2563	J572-414	957-2563	957-2563	957-2563	957-2563	957-2563
27	Roller Contact Assly	947-2484/03	947-2484/07	947-2683/N	947-2684/G 947-2683/H	947-2683/05	947-2484/03	947-2683/07	947-2683/07	947-2484/03	J479-563
28	Current Stud	J473-515	J473-514	J473-514	J473-514	J473-561	J473-515	J473-514	J473-514	J473-542/01	J473-542/02
29	Contact Holder	947-3015	947-3060	947-2452	947-3060	J473-153	947-3015	947-3060	947-3060	947-3015	947-3060
30	Tulip Contact Assly	947-3014	947-4546	947-4062	947-3161	J479-152	947-3014	J479-500	J479-642	947.3014	J479-555
31	Pressure Washer	957-2562	957-2563	957-2691	957-2963	J573-267	957-2562	957-2963	957-2963	957-2962	957-2963
32	Slotted Nut	957-1941	957-1941	957-1941	957-1941	J573-270	957-1941	957-1941	957-1941	957-1941	957-1941
33	Oil Seal	18X28X7	22X35X7	26X36X7	22X35X7	35X52X10	18X28X7	22X35X7	22X35X7	18X28X7	22X35X7
34	Pressure Tube	957-1943	957-1943	957-1943	957-1943	J573-269	957-1943	957-1943	957-1943	957-1943	957-1943
35	Assly Ring	717-3565	J473-235	J473-235	717-3558	J476-225	717-3505	J476-235	J476-235	717-3565	J476-235

\$---MARKED DRAWING NOS ARE FOR 860 TYPE PANEL. *----*----MARKED DRAWING NOS ARE FOR PB2 PANEL

RECOMMENDED SPARES FOR 'JYOTI' MOCB

MOCB & POLE PARTS



ITEM NO	PART NAME	MS2-1212-25KA	MS2-1212-40KA	MS2-1212-40/SKA	MS2-1225/1220/40KA	MS3-1206/1212-25KA	MS3-1220/1225-25KA	MS3-1225 40KA,1600A	750MVA 630/1250,0Z2	1500 MVA 1250A,0D1
1	Pole Part Assly	J179-034/03	J179-030	J179-055/03	J179-013/01	J179-055/02 J179-055/01	J179-067/01	J179-067/02	717-9422/03 717-9422/04	717-9441
2										
3	Coller Pin	J573-518	J573-518	J573-518	J473-656	J573-518	J473-656	J473-656	J573-518	J573-518
4	Washer	A-11	A-11	A-11	A-11	A-11	A-11	A-11	A-11	A-11
5	Split Pin	3.2X25MM	3.2X25MM	3.2X25MM	3.2X25MM	3.2X25MM	3.2X25MM	3.2X25MM	3.2X25MM	3.2X25MM
6	M.C. Rod Assly	J379-080/02	J379-103/01	J479-517	J379-058	947-1769/N	J379-040	J379-211	947-4494/03	937-794.0
7	Arching Chamber Head Assly	947-3081	947-4917	J479-628	J479-243	947-3081	J479-158	J479-158	J479-756	947-4917
8	Breather Plug Assly	J379-165	J379-165	J379-165	J379-165	J379-165	J379-165	J379-165	947-4121	947-4121
9	Copm. Spring (Upper)	710-7280	710-7280	710-7280	710-7280	710-7280	710-7280	710-7280	710-7280	710-7208
10	Copm. Spring (Lower)	710-7160	710-7160	710-7160	710-7160	710-7160	710-7160	710-7160	710-7160	710-7284
11	Spring Cap (Upper)	957-1470	957-1470	957-1470	957-1470	957-1470	957-1470	957-1470	957-1470	957-1470
12	Spring Cap (Lower)	957-2680	957-2680	957-2680	957-2680	957-2680	957-2680	957-2680	957-2680	957-2680
13	Sealing Ring Washer	957-3884	957-3884	957-3884	957-3884	957-3884	957-3884	957-3884	957-3884	957-3884
14	Contact Finger	710-5084	J475-511	947-4910	J479-263	710-5084	J473-157	J479-263	947-5706	947-4910
15	"O" Ring	J572-015	J472-286/03	J572-015	J572-210	J572-015	J572-210	J572-210	J572-015	J5720210
16	Sealing Ring Rubber	717-2223	717-2223	717-2223	J572-272	717-2223	J572-272	J572-272	717-2223	717-2223
17	Sealing Screw	J573-105	J573-105	J573-105	J573-105	J573-105	J573-105	J573-105	J573-105	J573-105
18	Oil Indicating Tube OR Indicating Glass	J472-620	J472-620	J472-620	J472-620	J472-620	J472-620	J472-620	717-2256	717-2256
19	Oil Level Indicator Glass								947-1412/13	947-1412/05
20	"O" Ring for Indicator Glass	E442-051/03	E442-051/03	E442-051/03	E442-051/03	E442-051/03	E442-051/03	E442-051/03	-	-
21	Oil Plug	J573-406	J573-406	J573-406	J573-406	J573-406	J573-406	J573-406	-	-
22	Bottom Connection Piece- with Nuts & Bolts	J476-091	J476-091	J473-454	J376-044	J573-089	J476-196	J476-196	-	-
23	T.C. Flange	J276-092/01	J376-160/01	J376-160/02	J376-030/01	J376-160/02	J276-116	J276-116	927-300/301	917-0066
24	Insulating Lever	J479-306	J479-411	947-3013	J479-411	947-3013	J479-411	-	-	-
25	Holding Ring	717-2295	J573-378	717-2295	J572-340	717-2295	J572-260	J572-340	717-2251	717-2284
26	Buffer Washer	957-2563	947-4781	957-2563	J572-414	957-2563	J572-414	J572-414	957-2563/2563	957-4781
27	Roller Contact Assly	947-2683/H	947-2683/K	947-2683/H	947-2683/05	947-2484/G 947-2683/H	947-2683/05	947-2683/05	947-2484/01,05	947-2683/K
28	Current stud	J473-382	J473-380	J473-514	J473-265	J473-514	J473-561	J473-561	957-2372	J473-530
29	Contact Holder	947-3060	J373-088	947-3060	J473-262/01	947-3060	J473-153	J473-262/01	947-3060	947-3060
30	Tulip Contact Assly	947-3161	J379-082	J479-516	J479-245/01	947-3061	J479-152	J479-245/01	947-1792/02	947-3162/02
31	Pressure Washer	957-2963	J473-388	J473-700	J573-267	957-2963	J573-267	957-2963	957-2963/2961	J504-204
32	Slotted Nut	957-1941	957-1941	957-1941	J573-270	957-1941	J573-270	J573-270	957-1941	-
33	Oil Seal	22X35X7	26X36X7	22X35X7	35X52X10	22X35X7	35X52X10	35X52X10	22X35X7/26X35X7	26X35X7
34	Pressure Tube	957-1943	957-1943	957-1943	J573-269	957-1943	J573-269	J573-269	957-1943	957-1943
35	Assly Ring	J473-383 J473-284	J473-284 J473-383	J473-284 J473-383	J476-323 J573-370	J473-284 J473-383	-	-	-	-

RECOMMEND SPARES FOR 'JYOTI' MOGB OZZ MECHANISM

ITEM NO.	PART NAME	VK 10M25 CG	VK 10M25A	VK 10M40A	VK 10M40B	VK 10P40	VK 10Q40	VK 10Q40A
1	Vacuum Interrupter	3VC10-0062	3VC10-0034	3VC10-0042	3VC10-0042	3VC10-0038	3VC10-0006	3VC10-0038
2	Upper Bus Conductor	4VC13-0002	4VC13-0002	4VC13-0002	4VC19-0177	4VC19-0003	2VC19-0001	2VC19-0001
3	Lower Bus Conductor	4VC13-0005	4VC13-0005	4VC13-0005	4V19-0178	4VC13-0006	2VC13-0006	2VC13-0006
4	Flexible Jumper	3VC19-0009	3VC19-0009	3VC19-0011	3VC19-0011	3VC19-0010	3VC19-0023	3VC19-0023
5	Coupling	4VC13-0050	4VC13-0011	4VC13-0011	4VC13-0011	4VC13-0012	3VC13-0026/01	3VC13-0028/02
6	PD.S. Assly	4VC19-0027/03	4VC19-0027/03	4VC19-0027/03	4VC19-0028/01	4VC19-0028/01	4VC19-0028/01	4VC19-0028/01
7	Closing coil	940-0092	940-0092	940-0092	940-0092	940-0092	940-0092	940-0092
8	Tripping coil	940-0092	940-0092	940-0092	940-0092	940-0092	940-0092	940-0092
9	Breaker Auxl. Switch	5NO+5NC	5NO+5NC	5NO+5NC	5NO+5NC	5NO+5NC	5NO+5NC	5NO+5NC
10	Barrier	1VC12-0012/02	1VC12-0012/02	1VC12-0012/02	1VC12-0012/02	1VC12-0013/02	1VC19-0023	1VC19-0023
11	Top Cover	4VC12-0117/01	4VC12-0117/01	4VC12-0117/01	4VC12-0117/01	4VC12-0117/02	-	-
12	Insulating Stud Assly	3VC19-0007/05	3VC19-0007/01	3VC19-0007/01	3VC19-0007/07	3VC19-0007/03	3VC19-0020/01	3VC19-0020/02
13	Spring Charge Motor	110/220 V DC	110/220 V DC	110/220 V DC	110/220 V DC	110/220 V DC	110/220 V DC	110/220 V DC
14	Spur Gear Assly	4VC49-0018	4VC49-0018	4VC49-0018	4VC49-0018	4VC49-0018	4VC49-0018	4VC49-0018
15	Pinion Gear Assly	4VC49-0091	4VC49-0091	4VC49-0091	4VC49-0091	4VC49-0091	4VC49-0091	4VC49-0091
16	Micro Switch	-	-	-	-	-	-	-
17	Tripping Half Shaft assly	4VC49-0051	4VC49-0051	4VC49-0051	4VC49-0051	4VC49-0051	4VC49-0051	4VC49-0051
18	Closing Half Shaft assly	4VC49-0069	4VC49-0069	4VC49-0069	4VC49-0069	4VC49-0069	4VC49-0069	4VC49-0069
19	Nut assly	3VB79-0073	3VB79-0073	3VB79-0073	3VB79-0073	3VB79-0073	3VB79-0073	3VB79-0073

RECOMMENDED SPARE FOR VCB INDOOR BREAKER

ITEM NO.	PART NAME	VK 10J25 BEL	VK 10M25 BEL	VK 10P25 BEL	VK 10M40 BEL	VK 10P40 BEL	VK 10J13 BEL	VK 10M13 BEL	VK 10J25CG
1	Vacuum Interrupter	3VC10-0026	3VC10-0026	3VC10-0026	3VC10-0061	3VC10-0061	3VC10-0055	3VC10-0055	3VC10-0062
2	Upper Bus Conductor	4VC13-0001	4VC13-0002	4VC13-0138	4VC13-0002	4VC13-0138	4VC13-0001	4VC13-0001	4VC13-0001
3	Lower Bus Conductor	4VC13-0004	4VC13-0005	4VC13-0006	4VC13-0005	4VC13-0006	4VC13-0004	4VC13-0004	4VC13-0004
4	Flexible Jumper	3VC19-0009	3VC19-0009	3VC19-0010	3VC19-0011	3VC19-0010	3VC19-0009	3VC19-0009	3VC19-0009
5	Coupling	4VC13-0101	4VC13-0050	4VC13-0136	4VC13-0249	4VC13-0250	4VC13-0101	4VC13-0101	4VC13-0104
6	PD.S. Assly	4VC19-0027/01	4VC19-0027/03	4VC19-0028/01	4VC19-0027/03	4VC19-0028/01	4VC19-0027/01	4VC19-0027/01	4VC19-0027/01
7	Closing coil	940-0092	940-0092	940-0092	940-0092	940-0092	940-0092	940-0092	940-0092
8	Tripping coil	940-0092	940-0092	940-0092	940-0092	940-0092	940-0092	940-0092	940-0092
9	Breaker Auxi. Switch	5NO+5NC	5NO+5NC	5NO+5NC	5NO+5NC	5NO+5NC	5NO+5NC	5NO+5NC	5NO+5NC
10	Barrier	1VC12-0012/02	1VC12-0012/02	1VC12-0046/02	1VC12-0012/04	1VC12-0013/03	1VC12-0012/02	1VC12-0012/02	1VC12-0012/02
11	Top Cover	4VC12-0117/01	4VC12-0117/01	4VC12-0117/01	4VC12-0117/01	4VC12-0117/02	4VC12-0117/01	4VC12-0117/01	4VC12-0117/01
12	Insulating Stud Assly	3VC19-0007/05	3VC19-0007/05	3VC19-0007/08	3VC19-0007/01	3VC19-0007/03	3VC19-0007/05	3VC19-0007/05	3VC19-0007/05
13	Spring Charge Motor	110/220 V DC	110/220 V DC	110/220 V DC	110/220 V DC	110/220 V DC	110/220 V DC	110/220 V DC	110/220 V DC
14	Spur Gear Assly	4VC49-0018	4VC49-0018	4VC49-0018	4VC49-0018	4VC49-0018	4VC49-0018	4VC49-0018	4VC49-0018
15	Pinion Gear Assly	4VC49-0091	4VC49-0091	4VC49-0091	4VC49-0091	4VC49-0091	4VC49-0091	4VC49-0091	4VC49-0091
16	Micro Switch	-	-	-	-	-	-	-	-
17	Tripping Half Shaft assly	4VC49-0051	4VC49-0051	4VC49-0051	4VC49-0051	4VC49-0051	4VC49-0051	4VC49-0051	4VC49-0051
18	Closing Half Shaft assly	4VC49-0069	4VC49-0069	4VC49-0069	4VC49-0069	4VC49-0069	4VC49-0069	4VC49-0069	4VC49-0069
19	Nut assly	3VB79-0073	3VB79-0073	3VB79-0073	3VB79-0073	3VB79-0073	3VB79-0073	3VB79-0073	3VB79-0073

RECOMMENDED SPARES FOR VCB INDOOR BREAKER

INDOOR VCB BREAKER COMPONENTS



OUTDOOR VCB BREAKER COMPONENTS

SR. NO.	ITEM	VK 10M25D 11KV OD	VY 30M25D 33KV OD
1	Vacuum Interrupter	3VC10-0058	3VC20-0014
2	Upper Bushing Assly	3VC69-0117	3VC69-0069
3	Lower Bushing Assly	3VC69-0117	3VC69-0071
4	Flexible Jumper	3VC19-0009	3VC29-0006
5	Closing coil	940-0092	940-0092
6	Tripping coil	940-0092	940-0092
7	Breaker Auxil. Switch	5NO+5NC	7NO+7NC
8	Insulating Stud Assly	4VC69-0466	3VC69-0073
9	Spring Charge Motor	110/220V DC	110/220V DC
10	Spur Gear Assly	4VC49-0018	4VC49-0018
11	Pinion Gear Assly	4VC49-0091	4VC49-0091
12	Micro Switch	-	-
13	Tripping Half Shaft assly	4VC49-0051	4VC59-0028
14	Closing Half Shaft assly	4VC49-0069	4VC59-0029
15	TNC Switch	25A,500V	25A,500V
16	Toggle Switch	10Amp	10Amp
17	Thermal Overload Relay	0.195 to 0.31A	1.58 to 2.5A
18	Fuse link	6A,500V	6A,500V

OUTDOOR VCB BREAKER COMPONENTS



2 & 3



1



2



3



4



6



5



8



7



15



10



11



18



16



12



13



14



17



9

ITEM NO.	PART NAME		PH-600	PH-700	PH-700C	PH-800	PH-1200
1.	Moulded Contacts	630 1250 2000 3150	1VB79-081/01 1VB79-0009/04	1VB79-082/01 1VB79-0009/04 1VB79-0009/03	2VB79-187	1VB79-082/01 1VB79-0009/04 1VB79-0009/03	1VB79-0043
2.	Moulded Contacts Shroud Assbly for Ring Type CT	630 1250 2000 3150	2VB79-172/01 2VB79-172/02	2VB79-172/01 2VB79-172/02 2VB79-186		2VB79-172/01 2VB79-172/02 2VB79-186	
3.	P.T. Contact Shroud		4VB79-1675	4VB79-1675		4VB79-1675	4VB79-1675
4.	Sliding F.G. Shutter Assly. (Welded Panel) or Individual Sliding F.G. Shutter Assbly (Bolted Panel)		3VB79-0268 3VB79-310/01	2VB79-0087/02 3VB79-310/02		2VB79-0125 3VB79-310/03	2VB79-0089 2VB79-219
5.	Insulator	upto 25 KA upto 40 KA for PT Truck	3RS79-701 3RS79-079	3RS79-701 3RS79-1020 3RS79-079	3RS79-701 3RS79-1020	3RS79-701 3RS79-1020 3RS79-079	3RS79-701 3RS79-1020 3RS79-079
6.	PVC Shroud CT/PT/S.SUPP 1250A, 2000A	630A	3VB73-0070 3VB73-216	3VB73-0070 3VB73-216	3VB73-0070 3VB73-216	3VB73-0070 3VB73-216	3VB73-0070
7.	PVC Shroud Busbar Joint (Mention the Busbar Qty.)		3VB73-0085	3VB73-0085	3VB73-0085	3VB73-0085	3VB73-0085
8.	Rubber Profile (Door & Rear Cover)		5RS73-1490	5RS73-1490	5RS73-1490	5RS73-1490	5RS73-1490
9.	PVC Profile (Between two Panels)		5RS73-146	5RS73-146	5RS73-146	5RS73-146	5RS73-146
10.	Bushing Plate		3VB73-0161	3VB73-0161	3VB73-0161	3VB73-0161	3VB73-0161
11.	16 Pin Plug & Socket						
12.	P.T. Fuse						
13.	Bridge Redtifier						
14.	Fuse Assly. Upto 32A						
15.	Fuse Link 2A to 32A						
16.	2-Pole Aux, Switch		J309-021	J309-021	J309-021	J309-021	J309-021
17.	5-Pole Aux, Switch		J309-022	J309-022	J309-022	J309-022	J309-022
18.	RE-300						
19.	Relay Base						

RECOMMENDED SPARES FOR JYOTI V.C.B. PANEL

VCB PANEL COMPONENTS



RECOMMENDED SPARES FOR 33KV I/D BREAKER PANEL

ITEM NO.	PART NAME		DRG NOS
1.	Shutter Assly.		1VC79-0100
2.	Cont. Shroud Assly. (Top)	R	2VB79-129/01
3.	Cont. Shroud Assly. (Top)	Y	2VB79-130/01
4.	Cont. Shroud Assly. (Top)	B	2VB79-131/01
5.	Cont. Shroud Assly. (Bottom)		
	(I) Ring Type C.T.		2VB79-128/02
	(II) Conv. Type C.T.		2VB79-127/02
6.	Busbar		4VB79-939
7.	PVC Shroud		2VB73-176
8.	Cont. Shroud Assly. (Top / Bottom)	R	2VB79-193/01
9.	Cont. Shroud Assly. (Top / Bottom)	Y	2VB79-194/01
10.	Cont. Shroud Assly. (Top / Bottom)	B	2VB79-195/01
11.	Nut Assly.		3VB79-0073
12.	Spring Shutter		4VB73-1137
13.	Vacuum Interrupter		VS-30027
14.	PDS Assly.		3VC29-0009
15.	Motor		3VC40-0010
16.	Flexible Conductor		3VC29-0006
17.	Insulator Stud Assly.		3VC29-0001
18.	Closing Coil		4VC49-0110
19.	Tripping Coil		4VC49-0189
20.	Multi Pin Plug Interlock		
	(I) 16 Pin Plug Interlock		3VC59-0019/01
	(II) 24 Pin Plug Interlock		3VC59-0019/02
21.	Closing Half Shaft Assly.		4VC59-0029
22.	Tripping Half Shaft Assly.		4VC59-0028
23.	Coupling		4VC53-0101
24.	Aux. Switch		7NO+7NC
25.	Pinion Gear Assly.		4VC49-0091
26.	Spurgear Assly.		4VC49-0018
27.	Micro Switch		2A, 220V

33 KV I/D VCB PANEL / BREAKER COMPONENTS





Jyoti Ltd. VADODARA (INDIA)
60 Years of Engineering Excellence

FOR FURTHER ENQUIRIES
PLEASE CONTACT

BRANCH
OFFICES

SWITCHGEAR DIVISION
J/44-59, B.I.D.C., Gorwa,
Vadodara-390 016 (India).
Phone : 2280770 (5 lines)
Fax : +91-265-2280153
E-Mail : switchgear@jyoti.com
Website: <http://www.jyoti.com>

• **Bangalore** : 35/3, 2nd Floor, Novelty Mansion, 2nd Cross, IV Block, Kumarapark West, Bangalore-560 020. Telefax : 080-23562248 E-Mail : bangalore@jyoti.com • **Chennai** : VEE DEE YEM Complex, 1st Floor, 270, Lloyds Road, Royapettah, Chennai-600 014, Ph. : 044-28131754, Fax : 044-28133178, E-Mail : chennai@jyoti.com • **Indore** : 7/1, Ratriamari Complex, Block No. 108, 1st Floor, New Palasia, Indore-452 001. Telefax : 0731-2542621 E-mail : indore@jyoti.com • **Kolkata** : 45, Jhowlalia Road, Syed Amir Ali Avenue, Kolkata-700 019, Ph. : 033-22902056, Fax : 033-22675267 E-Mail : kolkata@jyoti.com • **Mumbai** : Narsinh Sadan, Flat No. 102, 1st Floor, 1st Road, Golibar, Santacruz (East), Mumbai-400 055 Ph. : 022-26134403 (D), 26122848, E-Mail : mumbai@jyoti.com • **New Delhi** : 7, Jantar Mantar Road, New Delhi-110 001. Ph. : 011-23340576, Telefax : 011-23340205, E-mail : delhi@jyoti.com • **Pune** : 244, F. M. City Centre Building, Naibano Associates, Above Dena Bank, Mumbai-Pune Road, Chinchwad, Pune-411 019. Ph. : 020-27472676, Fax : 020-27473077 E-Mail : pune@jyoti.com • **Secunderabad** : 5-4-187/7, 1st Floor, Karbala Maidan, M G Road, Secunderabad - 500 063. Ph. : 040-27544587(D), 27547118 Fax : 040-27543673, E-Mail : jyotisec@yahoo.com

In keeping with the technological strides the world is making in the engineering field, we introduce changes in the design of our products. Hence, the products as actually supplied might have features varying herefrom.

The word 'Jyoti' and 'Jyoti' logo are the registered trademarks of Jyoti Ltd. Vadodara-390 003.