

**ELECTRIC
LOCOMOTIVE
PARTS**

**DIESEL ELECTRIC
LOCOMOTIVE
AFTERMARKET
PARTS
- EMD**

**DIESEL ELECTRIC
LOCOMOTIVE
AFTERMARKET
PARTS
- GE**

**MINING
TRUCK
PARTS**

**LHB
COACH
PARTS**



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DIESEL ELECTRIC LOCOMOTIVE AFTERMARKET PARTS - EMD



FUEL PUMP MOTOR



**TURBO SOAK
BACK PUMP**



**INVERTER FOR
FUEL PUMP**



**STANDBY INVERTER FOR
FUEL PUMP MOTOR**



RADAR



CONTACTOR GFC



CONTACTOR START



CONTACTOR STA



CONTACTOR GFD



RELAY



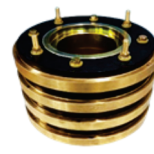
RELAY GP 2 POLE



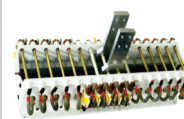
RELAY GP 3 POLE



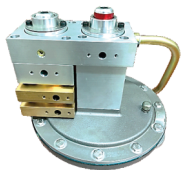
RELAY GP 4 POLE



SLIP RING



**RECTIFIER
BANK ASSEMBLY**



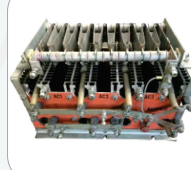
**ENGINE
PROTECTION DEVICE**



**ENGINE
PROTECTION DEVICE KIT**



WATER PUMP REPAIR KIT



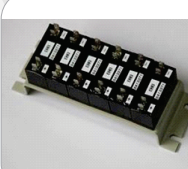
**RECTIFIER &
RESISTOR ASSEMBLY**



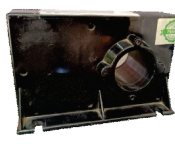
SCR EXCITER BRIDGE



TRANSDUCTOR



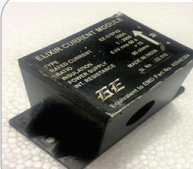
**RECTIFIER
ASSEMBLY**



**CURRENT MODULE
1000A**



**ROTATING RING
RECTIFIER**



SENSOR CURRENT



**TRACTION MOTOR
SPEED SENSOR**



**TRACTION MOTOR
TEMPERATURE SENSOR**



**CURRENT
TRANSFORMER**



**LCC COMPARTMENT
CARDS**



**CONTROL CABINET
CARDS**

DIESEL ELECTRIC LOCOMOTIVE AFTERMARKET PARTS - GE



IGBT Positive(PM+)
IGBT Negative(PM-)



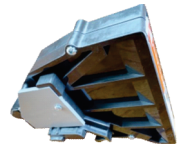
IGBT CONTROL PANEL



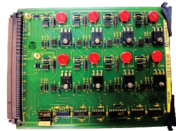
VERTICAL BUS BAR



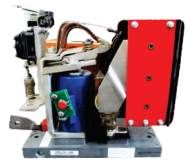
DID



KIT. ARC CHUTE



CARDS



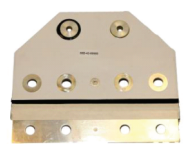
CONT. INT. ASM



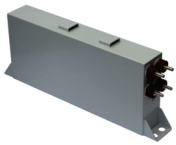
FCFP PANEL



RELAY CPR & GFR



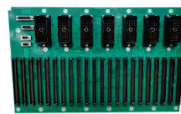
CAPACITOR BUS BAR



CAPACITOR,
IGBT INVERTER



RESISTOR PANEL



CIO BACKPLANE
FOR 17FL440



RESISTOR ASSEMBLY



VAM PANEL5 CHANNEL

ELECTRIC LOCOMOTIVE PARTS



DRIVER DISPLAY UNIT



PRIMARY VOLTAGE
TRANSFORMER



SURGE ARRESTOR



FIRE DETECTION UNIT



HALL EFFECT ACTIVE
SPEED SENSOR



CURRENT SENSOR



DISTRIBUTED POWER
WIRELESS CONTROL SYSTEM



MODIFIED AS-PERI CARD

LHB COACH PARTS



COACH SPEED SENSOR
- CURRENT



COACH SPEED SENSOR
- VOLTAGE



N1 BOARD



N2 BOARD



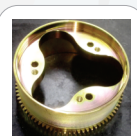
MV BOARD



GE BOARD



DUMP VALVE



PHONIC WHEEL



MODIFIED JUNCTION BOX

MINING TRUCK PARTS



IGBT Positive(PM+)
IGBT Negative(PM-)



IGBT Control Panel



SPEED SENSOR



ARC CHUTE



SPEED SENSOR



CONVERTER, GATE DRIVER



RELAY- CPR&GFR



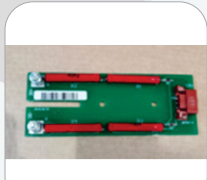
POWER SUPPLY



VAM



DIODE ASSEMBLY



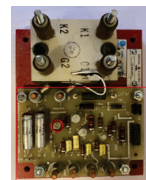
RESISTOR PANEL



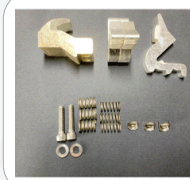
CARD 17FB173



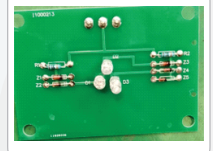
CARD 17FB160



MODULE



KIT_CONTACTOR

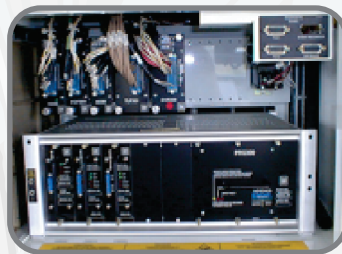


BOARD PRINTED WIRE

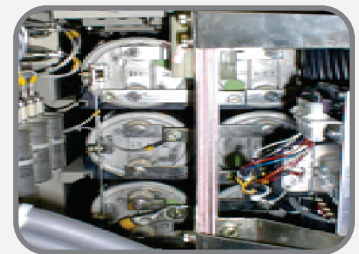
Repair and Rehabilitation of EMD LCC cards, Power Modules, Other Electrical and Electronics Parts



1. MODULE CIRCUIT DIO 300
2. MODULE CIRCUIT CPU 302/CPM-401 402
3. MODULE CIRCUIT MEM300
4. MODULE CIRCUIT COM 300
5. MODULE CIRCUIT ADA 305



1. MODULE PRG 301
2. MODULE PSM 300
3. MODULE PSM 310
4. MODULE PSM 320
5. MODULE FCF 301
6. MODUEL FCD 300
7. MODULE ASC 300
8. MODULE TLF 301
9. MODULE DVR 301



1. GTO s/IGBT
2. INTERFACE MODULE
3. PHASE MODULE
4. CROW-BAR
5. TCC POWER CONTROLLER
6. EM-2000
7. OFC CABLE
8. TCC BLOWERS MOTORS

PRODUCT LIST

Aftermarket Parts for EMD Diesel Electric Locomotives

Sl. No	Item Description	EMD PN
1	CONTACTOR ST	9325207
2	CONTACTOR ST	9315518
3	CONTACTOR ST	8415485
4	CONTACTOR GFC	8330937
5	CONTACTOR GFD	40010561
6	CONTACTOR GFD	8400143
7	CONTACTOR STA	8482180
8	CONTACTOR TLM	9319422
9	RELAY GR	40050359
10	RELAY GR	8360045
11	RELAY GR	8383122
12	RELAY GR	8361776
13	GP RELAY 2 NO - 2 NC	8363168
14	GP RELAY 3 NO - 3 NC	8357415
15	GP RELAY 4 NO - 4 NC	9516672
16	DISPLAY ASSEMBLY COMPUTER- TACTILE (EM2000)	40052356
17	DIGITAL SPEED INDICATOR	40153775
18	RECTIFIER ASSEMBLY	40079512
19	SCR EXCITER BRIDGE ASSEMBLY	8451653
20	RECTIFIER & RESISTOR ASSEMBLY BATTERY CHARGER	8479400
21	BANK ASSEMBLY.. RECTIFIER - GENERATOR	40027892 & 40027895
22	TRANSDUCTOR GRT	9519568
23	CURRENT TRANSDUCER - 1000A	40046385
24	SENSOR CURRENT IBKBL1 - 300Amps	40046384
25	TRANSFORMER T2	8234831
26	SENSOR TURBO SPEED	40038643
27	SENSOR RTD 1000	40029233
28	LOCOMOTIVE SPEED SENSOR / RADAR ASSEMBLY	40081692
29	TRACTION MOTOR SPEED SENSOR	40142706
30	TRACTION MOTOR TEMPERATURE SENSOR	40171676
31	HVRECP	40057403
32	DYNAMIC BRAKE CONTACTOR REPAIR KIT	40001024
33	RESISTOR 0.16-400W	9339108
34	COVER ASSEMBLY	40105347
35	GEAR CASE LABYRINTH RING	40012083
36	GOVERNER BOOSTER PUMP & MOTOR ASSY TO DRG. NO. 40054734	40030890
37	SLIP RING ASSEMBLY	8345866
38	ENGINE PROTECTION DEVICE(EPD) / DETECTOR ASSEMBLY	9320130
39	IGBT BASED TCC INVERTER INTERFACE MODULE	40145650
40	FIBER OPTIC CABLE FOR IGBT TCC	40132888
41	KIT DETECTOR	9535869
42	WATER PUMP LH AND ITS PARTS	40004234
43	WATER PUMP RH AND ITS PARTS	40004235
44	WATER PUMP REPAIR KIT	40000927

Sl. No	Item Description	EMD PN
45	FUEL PUMP MOTOR EQUIVALENT TO PARAGON 60940-7	40122943 / 11815565 / 17454633 / 40077367 / 40302210
46	FUEL PUMP MOTOR EQUIVALENT TO PARAGON 61815-9 (FUEL TRANSFER PUMP)	
47	FUEL PUMP MOTOR EQUIVALENT TO GE PART NO. 132X1820 (FUEL TRANSFER PUMP)	GE PN. 132X1820
48	TURBO SOAK BACK PUMP EQUIVALENT TO PARAGON	40182032
49	TURBOCHARGER SOAK BACK PUMP (RATED FLOW 4.5GPM @ 40PSI	40013526 / 63068-9
50	INVERTER FOR FUEL PUMP MOTOR EQUIVALENT TO PARAGON	40122943

Aftermarket Parts for GE Diesel Electric Locomotives

Sl. No.	Item Description	Equivalent to GE Part Number
1	Complete IGBT Module +ve	17FM774A1
2	Complete IGBT Module -ve	17FM775A1
3	Vertical bus bar	41A296332BLP12
4	EBP pulse card	17 FE 129 C 1
5	EBP CPU card	41 A 322071 FAG 2
6	Card	17 FE 128 B 4
7	Card	17 FE 127 B 2(superseded by C1)
8	Digital input card	17 FE 130 B 1
9	Card	17 FE 101 B 2
10	Card	17 FE 104 A 5
11	Card	17 FE 110 C 3
12	AFR (traction alternator field regulator)	17 FM 545. NEW
13	BFR	17 FM 545. RBLT.
14	RFP(radiator fan motor regulator panel)	17 FM 543. NEW.
15	Card	17 FM 502 B 2/1 (superseded by C3)

Dump Truck Aftermarket Parts - GE

Sl. No.	Item Description	Equivalent to GE Part Number
1	CONTACTOR ASSEMBLY-R.P.	Ge0647
2	IGBT+	17FM796A1 /A2/A3 GE1255
3	IGBT-	17FM797A1 /A2/A3 GE1256
4	CAPACITOR,FILTER	41A296302CDP6 GE1296/XA4876
5	SENSOR AC-DC	41A296328AKP2
6	VAM	84A218010P1 XA3720
7	FUSE,IGBT	41A296321BSP2 GE1298
8	CONVERTER,G ATE DRIVER	41A296352CYP2 GE1257
9	DIODE ASSEMBLY	41C667531G1 GE0510
10	BOARD PRINTED WIRE	41C666570G1 GE0177

Sl. No.	Item Description	Equivalent to GE Part Number
11	RESISTOR PANEL	XA4327 GE0182
12	RELAY- CPR&GFR	17LV66J46 VG7043
13	DIODE MODULE	41A321261G1 VE7355
14	SENSOR AC-DC	41A296328AKP7 GE0170
15	POWER SUPPLY	17FH41A1 GE0755
16	POWER SUPPLY	17FH43A3 58E-43-00061
17	PANEL AIR TEMPERATURE	328AFP2 BF0932
18	RESISTOR PANEL(R1)	GE0152
19	VAM	17FM681A1 GE0857
20	BUS BAR,VERTICAL	41A296332BLP2 GE1412
21	BUS BAR	41A296332BLP13 GE1413
22	PANEL,ICP	17FL386A1 GE1302
23	PANEL	41A296305EDP1
24	BUS BAR	41A296332ALP10
25	BUS BAR	41A296332ALP11
26	KIT_CONTACTOR	GE1836
27	CONTACTOR	VE1183
28	SPEED SENSOR	VJ0972 PB0101 VS7923
29	SPEED SENSOR	GE1155
30	SPEED SENSOR	XA2874, XA4256
31	SPEED SENSOR	GE0139/XA4288
32	CABLE,SPEED SENSOR	XA4289
33	KIT.ARC CHUTE	GE0696 GE1072
34	ARC CHUTE	BF2134
35	PANEL,DIAGNO STIC INFO DISPLAY	PC2796 PB9785/58B-06-00111
36	CONTACT,STATIONARY TIP	BF2131
37	CONTACT,MOVEABLE TIP	BF2132
38	MULTI- FUNCTION SWITCH ASSEMBLY	PC1709
39	MODULE	VE0687
40	SENSOR,POSITION	VE3530
41	LIMTER,FUSE	GE0232
42	MODULE	PB4255
43	MODULE	VS7373
44	RELAY- 24V,50AMP	PB7276
45	HORN	PB9255
46	RELAY BOARDS RB1	EK3808
47	RELAY BOARD ASSEMBLY- RB6,RB7,RB8	EK4911
48	ALARM,BACKUP	736131C2
49	HOUSING,INLET	GE1080
50	HOUSING,OUTLET	GE1081
51	CLEARANCE LIGHT(LED)	PC1866
52	LIGHT,LED- AMBER	XB3719
53	BACKPLANE	GE1483 41A325938G2
54	BACKPLANE	VE8195
55	CARD 100	AK1991
56	CARD 140	AK7945
57	CARD 104	GE0309
58	CARD 17FB174	GE1484

Sl. No.	Item Description	Equivalent to GE Part Number
59	CARD 17FB160	GE0368
60	CARD 17FB173	GE1209
61	CARD 17FB179	GE1502
62	CARD 17FB187	58E-43-10260
63	MODULE ASSEMBLY	GE1486/58E-43-00400
64	MODULE ASSEMBLY	GE1487/58E-43-00410
65	CARD,FLSHER/ COOLANT LEVEL	VJ8805
66	CARD,DIODE(W/SOUND)	VJ9023
67	CARD,DIODE(W/O SOUND)	VJ9024
68	CARD,SINGLE TEMPERATURE	PB5672
69	PANEL RECTIFIEL (IGBT)	GE1387
70	INVERTER IGBT POWER	58D-98-01770
71	DIODE	VE0036
72	ARC CHUTE	VJ0846
73	BUS BAR	41A296332BLP12

3 PHASE ELECTRIC LOCOMOTIVE PRODUCTS FOR WAG9 & WAP7

Sl.No.	Item Description	Specification
1	DISTRIBUTED POWER WIRELESS CONTROL SYSTEM (DPWCS)	RDSO/ 2019/EL/SPEC/0142 Rev. '0'
2	DRIVER DISPLAY UNIT	SPECN: CLW/ES/3/0487/C
3	DRIVER DISPLAY UNIT FOR ABB	
4	DRIVER DISPLAY UNIT FOR CG	
5	HALL EFFECT SPEED SENSOR/HALL EFFECT ACTIVE SPEED SENSOR	CLW/ES/3/0528 ALT-A
6	SURGE ARRESTER / SURGE ARRESTOR	CLW/ES/3/0016 ALT- B
7	FDU WITH CONNECTOR POS212/ FIRE DETECTION UNIT	CLW/ES/3/0057
8	MODIFIED AS-PERI CARD	RDSO/2017/EL/MS/0458
9	CURRENT SENSOR	CLW/ES/3/SK- 2/0084
10	PRIMARY VOLTAGE TRANSFORMER	CLW/ES/3/0009/B
11	FAULT DIAGNOSTIC TOOL /DOCKING STATION	CLW/C-D & D/ES/3/0545

LHB COACH PRODUCTS

Sl.No.	Item Description
1	MV DUMP VALVE
2	MODIFIED JUNCTION BOX
3	PHONIC WHEEL OEM PART NO: 1.2.748/ 1/604545
4	SPEED SENSOR EQUIVALENT TO OEM Part.No.1135435/10012 (or) 1135456/20013 (or) STN 31450/205A 18U
5	SPEED SENSOR EQUIVALENT TO OEM Part. No.1/604501/2000 (or) 790040267
6	N1 BOARD EQUIVALENT TO OEM Part.No.: 1/600009 (OR) 1/600009A
7	N2 BOARD EQUIVALENT TO OEM Part No.: 1/600008 (OR) 1/600008A
8	MV BOARD EQUIVALENT TO OEM Part No. 1/600006 OR 1/60000 OR 1/600006A
9	GE BOARD