



Controland Product Catalog
Aftermarket components
for
STATEX III DC TRUCK KOMATSU 630E 730EDC 830EDC





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1.1 Company introduction

Shanghai Controland Engineering Company was founded in 2004, started as Eaton Cutler Hammer distributor and serve the Mining, Oil rig and Compressor Manufacture, with years development, we focused on open pit mining equipment since 2009.

China imported about 600 trucks with GE system, and 50 shovels (40 P&H, 10 BE), since year 1990, and most of them are engaged between 2005-2012. Our engineering team started with P&H shovel key element aftermarket, soon we devoted more efforts and focused on Dump truck GE drive system, as market demanded.

With a decade of consistent innovation/ development, we are targeting to provide a full list of excellent high quality aftermarket parts for Haul Truck GE drive system (especially Statex III DC drive and the Invertex I and II AC drive). You can find the system in Komatsu 730E, 830EDC, 830E-1AC, 930E4, 930E4-SE. Terex MT3700AC, MT4400AC, Hitachi 190, Belaz 75310, China NTL NTE240AC, XCME SF33900, etc.

With support by top ranked OEM companies, we can serve the industry with high quality alternative replacement parts without compromising the quality. Instead, we offer the market a stable stock supply and cost-saving advantage.

In the past year, we are supplying to more and more international customers: Mongolia, Chile, Canada, USA, Russia, India, Australia, and Peru.

We are expanding our product list every year, investing in new development. We welcome any discussions on developing products for customers, possibilities of cooperation on overhauling overseas.



A truck running in Jiangxi Group Dexing Copper mine.

This Copper mine has been developing for over 35 years, from an altitude of 300m to - 300m. Controland components are running as the heart and brain.



1.2 PN Comparison Chart

S/N	Description	KOMATSU#	GE#
1	INTERLOCK	VE3530	17AF45C2
2	CONTACTOR	VE1317	17CM55AH6
3	CONTACTOR	PB6137/PB5594/XA3538	17CM55AH6A
4	XCARD 100	AK1991	17FB100B3
5	XCARD 103	AK1993	17FB103B2
6	XCARD 104	AK1994/GE0309	17FB104B2
7	XCARD 140	AK7945/XA3560	17FB140B2
8	XCARD 144	BF5184/XA5838/XA3726	17FB144B3
9	RESISTOR PANEL	PB4267/BF3737	17FM363B1
10	FDP Panel	VE6113/BF3780	17FM384B1
11	ISOLATION AMPLIFIER	PB4252	17FM394J1
12	XPANEL	VE6118/BF3781	17FM458A2
13	DC truck AFSE Assembly	PB8838	17FM466E1
14	DC truck MFSE Assembly	PB8837	17FM467D1
15	PANEL DISPLAY	PB8056/BF3751	17FM532A1
16	R1 RESISTOR	GE0152	17FR102A1
17	FDR GRR	GE0860	17FR402A1
18	RELAY 24VDC COIL	VG7043	17LV66J46
19	VALVE	BF1398/BF0986	17MV38G12
20	Alternator Speed sensor	VJ0972	41A262893P1
21	Surge arrestor	PB4255	41A264833G1 41B56697G1
22	Dual Diode board	PB5587	41A273897G2
23	Indicator board	VS6820	41A278503G1
24	BATTERY BOOST CARD	VE0687	41A278503G2
25	GATE FIRE MODULE	VS7373/58B-43-00620	41A279579G1
26	Resistor	VS6823	41A281404P2
27	Resistor	VS6824	41A281691P7
28	Diode With Clamp	VE0036	41A281725P1
29	SCR With Clamp	GE1211/GE1212/GE1213/GE1214	41A281726P1
30	Capacitor 1UF 2KV A26F6788	VE3847	41B596011P2
31	Main Rectifier Diode	XA2058 VE0174	41A281727P1
32	SYN TRANSFORMER	EF5554	41A296074P1
33	P1 CONTACTOR	PB9230	41A296327AMP2
34	P1 MOVEABLE CONTACT	BF2131/XA2046	3X6659
35	P1 STATION CONTACT	BF2132/XA2045	3X6660



S/N	Description	KOMATSU#	GE#
36	XREVERSE SWI	PB9229	41A296327AJP1
37	MOVABLE CONTACT	BF2122/BF2137	3X6671
38	STATIONARY CONTACT	BF2124	3X6672
39	STATIONARY CONTACT	BF2123	3X6673
40	INSULATOR	BF2125	3X6674
41	BEARING	BF2126	
42	SPRING	BF2127	
43	LOCKNUT	BF2128	
44	INTERLOCK	BF2129	
45	Surge arrestor	BF4452	41B566971G1
46	FILTER PANEL	GE0148 PB5066	41C662412G2
47	BACKPLANE STATEX III	VE8197 BF2097	41C667286G1
48	FAN BLADE	VE4256	41D732534G1
49	FAN BLADE	VE4257	41D732534G2
50	ARC CHUTE	VJ0846	41D752791G1
51	CONTACT TIP	VE1183	9960190G7
52	DB1 ASSEMBLY	EK4993 SM1963-2	KOMATSU
53	RB1 Board Relay	EK3808 SM1943	KOMATSU
54	RB2 Board Relay	EK3813 SM1947	KOMATSU
55	RB3 Board Relay	EK3803 SM1951	KOMATSU
56	RB4 Board Relay	EK3806 SM5651	KOMATSU
57	RB5 Board Relay	EK3811 SM1959	KOMATSU
58	RB6 RB7 RB8 Board Relay	EK4991	KOMATSU
59	AID#1 DIODE W SOUND	VJ0923	KOMATSU
60	AID#2 DIODE WO SOUND	VJ0924	KOMATSU
61	AID#3 4# DUAL HOT SWITCH	VJ0925	KOMATSU
62	AID#5 OIL LEVEL TERMPERATURE	PC0040	KOMATSU
63	AID#7 SINGLE TERPERATURE	PB5672	KOMATSU
64	AID#8 FLASHER COOLANT LEVEL	VJ8805	KOMATSU
65	AID BOX	VE3422	KOMATSU
66	GRID RESISTOR	XA2476	17EA33D306
67	GRID RESISTOR	XA2475	17EA33D420
68	GRID RESISTOR	58F-06-04480	17EA33J306
69	GRID RESISTOR	58F-06-04450	17EA33J420



1.3 Product Catalog

1.3.1 Control Cabinet-Left Section

P1/RP1/RP2 contactor and Reverse contactor



P1 RP1 RP2 - Airless contactor Eaton 6702ED647-2

PB9230 - 1A296327AMP2 P1 Contactor

BF2131 XA2046 P1 Movable Contact

BF2132 XA2045 P1 Station Contact

BF2129 Interlock



Airless Reverser Eaton 6702ED628

PB9230 41A296327AJP1 XReveser Switch

BF2122 BF2137 3X6671 Movable Contact

BF2124 3X6672 Stationary Contact

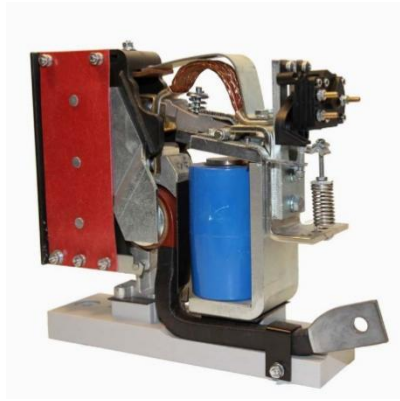
BF2123 3X6673 Stationary Contact

BF2126 Bearing

BF2127 Spring

BF2128 Locknut





MF GF RP3-RP9 Contactor

VE1317, PB6137 PB5594 XA3538

17CM55AH6 17CM55AH6A

All parts available for repair.

VE1183 Contact tips

VE3530 17AF45C2 Interlock

VE5759 Spring with plug

VJ0846 Arc Chute

VM0229 Arc Horn

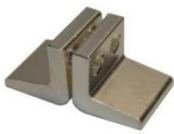
VM0275 Shunt

VE0250 Coil

VS9322 Bracket

VS8285 Contact Arm

VM0253 Spring





1.3.2 Control Caninet - Center section

A.F.S.E Alternator Field Exciter / MFSE/ Two Digital Display/ FDP Fault Detection Panel/
VMM Voltage Measurement Module/ Isolation Amplifier/ VDR3 Resistor panel/ R1
resistor pane/ Insulator and Bus Bar



A.F.S.E Alternator Field Exciter

PB8838 17FM466E1

With repair parts available

VS7373 58B-43-00620 Gate fire module

VE0687 Battery Boost Card

VS7592 41A296056P1 Pulse Transformer Module

VS6820 Indicator board

VS6823 Resistor 50W 10R

VE6824 Resistor 100W 10R

VE3847 Condenser

VE0036 Diode with Clamp

VE0037 Rectifier with Clamp





MFSE

PB8837 17FM467D1

VS7373 58B-43-00620 Gate fire module

VE0687 Battery Boost Card

VS7592 41A296056P1 Pulse Transformer Module

VS6820 Indicator board

VS6823 Resistor 50W-10R

VE8388 Resistor 100W-24R

VE0039 41A281729P1 Diode

VE0040 41A281730P1 SCR





Two Digital Display 17FM532A1

PB8056

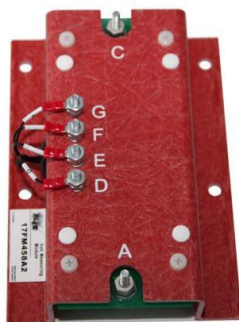
BF3751



FDP Fault Detection Panel 17FM384B1/C1

VE6113

BF3780



VMM Voltage Measurement Module 17FM458A1

VE6118

BF3781

Isolation Amplifier 17FM394J1

PB4252

BF5213





VDR3 Resistor panel 17FM363B1

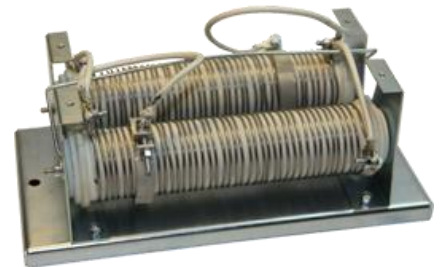
PB4267

BF3737

R1 resistor panel

GE0152 Panel assembly, 0.8R

With VJ9059 for individual resistor



Insulator and Bus Bar

Insulator



1.3.3 Control Cabinet - Right Section

STATEX III Control panel/ CPR/ CPD/ ST/ Surge Board/ Relay Boards



PANEL STATEX III Assembly, 17FL275

PB8946

58D-43-00130

BF5178

None wire Backplane for 17FL275 41C667286G1

BF2097 Wire type upgrade by none wire type

VE8197



Digital I/O card. 17FB104B2

GE0309

AK1994

VE8418

Digital I/O card 17FB103B2

AK1993

BF5182





Power board 17FB100B3

AK1991

VE8416

+5V, +15V, -15VDC

Analog I/O, 17FB140B1

AK7945

XA3560



CPU Card 17FB144B3

BF5184

XA5838

XA3726

58D-43-00230

Synchronizing Transformers - ST 41A296074P1

EF5554





GFR Generator Field Relay
CPR Control Power Relay 17LV66J46
VG7043
4NO/4NC 24VDC COIL



Control Power Diode - CPD 41A273897G2
PB5587

Surge Board 41A264833G1
PB4255
XA3460





1.3.4 Main rectifier and Back view of Cabinet

Single phase rectifier/ Three phase main rectifier/3 Phase filter Panel/FDR, GDR/
SENSOR AC-DC OEM

Three phase main rectifier

GE0557

Currently assembly is not available.

But Diode VE0174 XA2058 is available.



3 Phase filter Panel

GE0148 with Delta

FDR, GRR

GE0860 17FR402A1



1.3.5 Dynamic Grid Box

D type Grid Resistor/ J type Grid Resistor/ Blower Rebuilt and Parts for 5GY19L Repair/
Fan Blade/ Frame Ahead/ Carbon Brush/ Brush Holder



D type Grid Resistor

Complete series of D type and J type resistor available.

XA2476 17EA33D306

XA2475 17EA33D420

17FH20 series for 630E also available

J type Grid Resistor

High Temp Rated

58F-06-04480 17EA33J306

58F-06-04450 17EA33J420



Blower Rebuilt and Parts for 5GY19L Repair

We offer blower rebuilt or Exchange service.

With parts blow can be supply for field repair.

VE4256/VE4257 Fan Blade

XA4244/XA4245 Frame ahead

VE4258 Rubber Pad

VE7076 Carbon brush

VE8978 V-seal

VS8587 Brush holder

Fan Blade

VE4256 41D732534G1

VE4257 41D732534G2



To be taken

Frame Ahead

XA4244/XA4245 Frame ahead

Carbon Brush 41A330375P01 T583

VE7076

VE7076-1

VE8445

VE4934



Brush Holder

XA3398 41B530658G1

VS8587

1.3.6 24V Cabinet and Miscellaneous

A.I.D PC1810 and Card/ RB series Board Relay/ Mag valve/ Alternator speed sensor

A.I.D PC1810 and Cards

AID 1 VJ9023 Card Diode W Sound

AID 2 VJ9024 Card Diode WO Sound

AID 3/4 VJ9025 Card Dual Hot Switch Inverter

AID 5 PB0040 Card Oil Level Temperature

AID 7 PB5672 Card Single Temperature Latch

AID 8 VJ8805 Card Flasher Coolant Level



**We provide complete RB series Board Relay
Board Relay (RB)**

RB1 EK3808 SM1943

RB2 EK3813 SM1947

RB3 EK3803 SM1951

RB4 EK3806 SM5651

RB5 EK3811 SM1959

RB6 EK4991

DB1 EK4993 SM1963-2

Mag valve 17MV38G12

BF0986

BF1398



Alternator speed sensor 41A262893P1

VJ0972