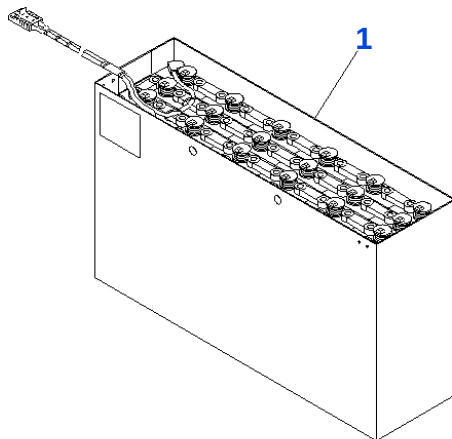




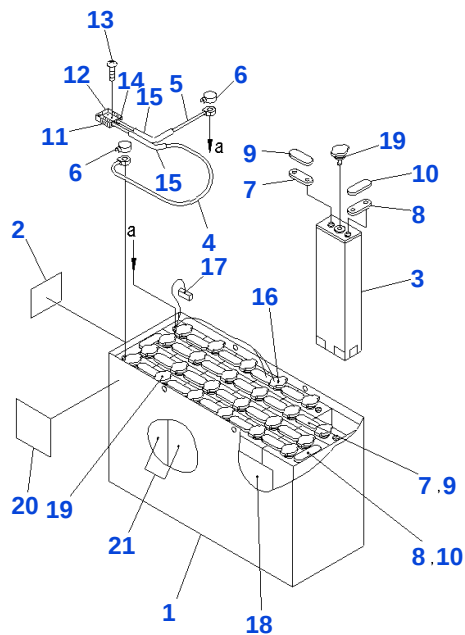
P W F 4 4 6 0

Reference: E4110-01A0

030010 Battery

Item	Part No.	Part Name	Qty	Options
1	37R-2BR-2122	BATTERY ASSEMBLY, (YUASA 48V-201AH LONG CABLE)	1	SN: 83793-UP
	37R-2BR-2121	BATTERY ASSEMBLY, (YUASA 48V-201AH LONG CABLE)	1	SN: 81936-83792
	37R-2BR-2120	☐ BATTERY ASSEMBLY, (YUASA 48V-201AH LONG CABLE)	1	SN: 80001-81935
	37R-2BR-2132	BATTERY ASSEMBLY, (YUASA 48V-210AH LONG LIFE)	1	SN: 83793-UP
	37R-2BR-2131	BATTERY ASSEMBLY, (YUASA 48V-210AH LONG LIFE)	1	SN: 81936-83792
	37R-2BR-2130	☐ BATTERY ASSEMBLY, (YUASA 48V-210AH LONG LIFE)	1	SN: 80001-81935
	37R-2BR-2162	BATTERY ASSEMBLY, (YUASA 48V-280AH LONG CABLE)	1	SN: 83793-UP
	37R-2BR-2161	BATTERY ASSEMBLY, (YUASA 48V-280AH LONG CABLE)	1	SN: 81936-83792
	37R-2BR-2160	☐ BATTERY ASSEMBLY, (YUASA 48V-280AH LONG CABLE)	1	SN: 80001-81935
	37R-2BR-3172	BATTERY ASSEMBLY, (GS 48V-312AH LONG CABLE)	1	SN: 83793-UP
	37R-2BR-3171	BATTERY ASSEMBLY, (GS 48V-312AH LONG CABLE)	1	SN: 81936-83792
	37R-2BR-3170	☐ BATTERY ASSEMBLY, (GS 48V-312AH LONG CABLE)	1	SN: 80001-81935
	37R-2BS-2112	BATTERY ASSEMBLY, (YUASA 48V-165AH SHORT CABLE)	1	SN: 83793-UP
	37R-2BS-2111	BATTERY ASSEMBLY, (YUASA 48V-165AH SHORT CABLE)	1	SN: 81936-83792
	37R-2BS-2110	☐ BATTERY ASSEMBLY, (YUASA 48V-165AH SHORT CABLE)	1	SN: 80001-81935
	37R-2BS-2122	BATTERY ASSEMBLY, (YUASA 48V-201AH SHORT CABLE)	1	SN: 83793-UP
	37R-2BS-2121	BATTERY ASSEMBLY, (YUASA 48V-201AH SHORT CABLE)	1	SN: 81936-83792
	37R-2BS-2120	☐ BATTERY ASSEMBLY, (YUASA 48V-201AH SHORT CABLE)	1	SN: 80001-81935

Catalog signs: ☐ part above may be used instead



PJF4815

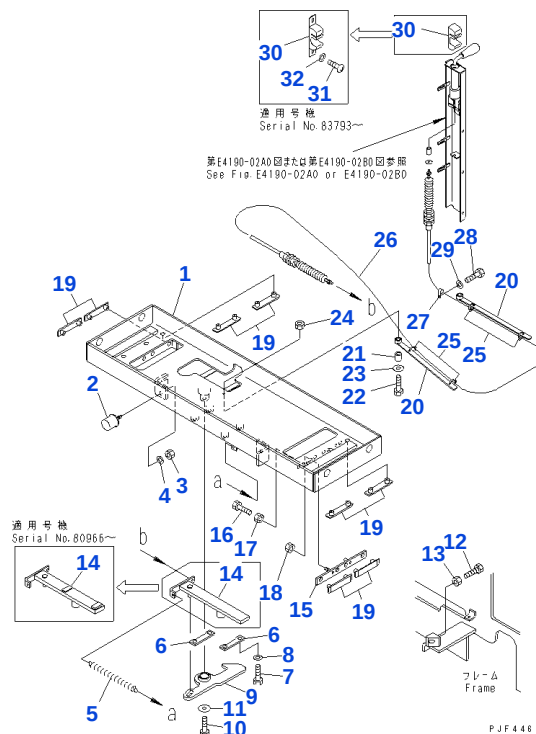
Reference: E4110-51A2

030020 BATTERY (YUSA 48V-201AH LONG CABLE LONG CABLE) (FOR 1.0 TON TO 1.3 TON

Item	Part No.	Part Name	Qty	Options
1	37R-2BR-2122	BATTERY ASSEMBLY	1	SN: 83793-UP
	37R-2BR-2121	BATTERY ASSEMBLY	1	SN: 81936-83792
	37R-2BR-2120	□ BATTERY ASSEMBLY	1	SN: 80001-81935
	3LA-05-10113	• CASE	1	SN: 83793-UP
	3LA-05-10112	• CASE	1	SN: 81951-83792
	3LA-05-10111	• CASE	1	SN: 80001-81950
2		• ☆ PLATE, NAME	1	SN: 80001-UP
3	FB12F3-CF201	• CELL	24	SN: 80001-UP
4	FBLW38-1500L	• CABLE, (PLUS)	1	SN: 80001-UP
5	FBLW38-1400L	• CABLE, (MINUS)	1	SN: 80001-UP
6	FB2802-CW38L	• COVER, CONNECTOR	2	SN: 80001-UP
7	FB53-27072	• CONNECTOR, (A)	20	SN: 80001-UP
8	FB53-21060	• CONNECTOR, (B)	3	SN: 80001-UP
9	FB801-27072	• COVER, CONNECTOR (A)	20	SN: 80001-UP
10	FB801-210UCE	• COVER, CONNECTOR (B)	3	SN: 80001-UP
11	34A-07-12130	• PLUG	1	SN: 80001-UP
12	3RA-06-64220	• PLATE	1	SN: 80001-UP
13	FB964-M6X35	• SCREW	2	SN: 80001-UP
14	FB2828-WG38	• GROMMET	1	SN: 80001-UP
15	FB2826-16T120	• TUBE	2	SN: 80001-UP
16	FB247-VFLS62	• CAP, WITH SENSOR	1	SN: 80001-UP
17	FBK247-VELD	• SENSOR	1	SN: 80001-UP
18	FB2804-S21706	• PLATE	-2	SN: 80001-UP
19	FB241-VF62	• CAP	23	SN: 80001-UP
20	FB2818-F5B1A	• PLATE, CUSHION	1	SN: 80001-UP
21	FB2804-F3F310	• WEIGHT	6	SN: 80001-UP

Catalog signs: □ part above may be used instead ☆ not supplied separately: assembly only

Reference: E4110-51A2



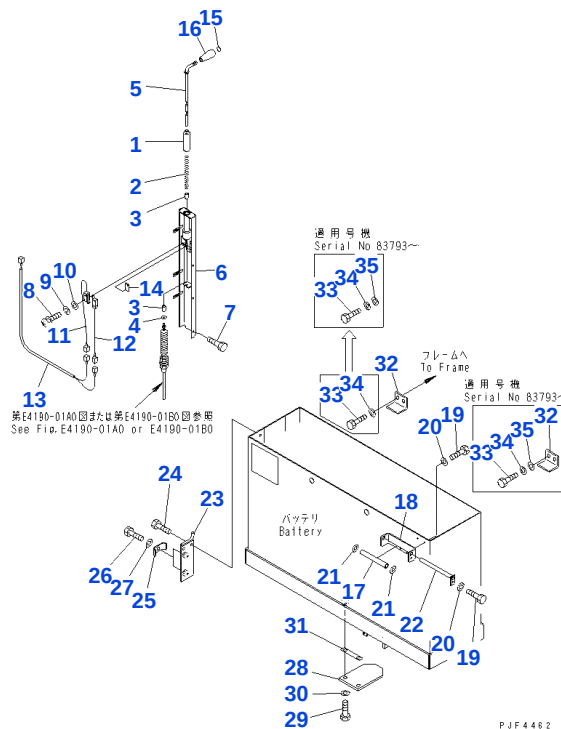
Reference: E4190-01A0

030030 BATTERY TRAY (COLD RESISTANT) (1/2)

Item	Part No.	Part Name	Qty	Options
1	3LA-59-11212YD	TRAY, (FOR 1.0 TON TO 1.3 TON)	1	SN: 83861-UP
	3LA-59-11211YD	TRAY, (FOR 1.0 TON TO 1.3 TON)	1	SN: 80001-83860
	3LA-59-11313YD	TRAY, (FOR 1.4 TON TO 1.8 TON)	1	SN: 83861-UP
	3LA-59-11312YD	TRAY, (FOR 1.4 TON TO 1.8 TON)	1	SN: 80001-83860
2	3LA-59-11360	STOP	2	SN: 80001-UP
3	01580-10806	NAT	2	SN: 80001-UP
4	01640-20816	WASHER	2	SN: 80001-UP
5	3LA-59-11141	SPRING	1	SN: 80001-UP
6	3LA-59-11171	PLATE	2	SN: 80001-UP
7	01010-81020	BOLT	4	SN: 80001-UP
8	01643-31032	WASHER	4	SN: 80001-UP
9	3LA-59-11520	LEVER	1	SN: 80001-UP
10	01010-81012	BOLT	1	SN: 80001-UP
11	3EB-50-13310	WASHER	1	SN: 80001-UP
12	01016-51235	BOLT	1	SN: 80001-UP
13	01580-11210	NAT	1	SN: 80001-UP
14	3LA-59-11352	BRACKET	1	SN: 80966-UP
	3LA-59-11351	BRACKET	1	SN: 80001-80965
15	3LA-59-11132	BRACKET, (FOR 1.0 TON TO 1.3 TON)	1	SN: 80001-UP
	3LA-59-11332	BRACKET, (FOR 1.4 TON TO 1.8 TON)	1	SN: 80001-UP
16	01010-80820	BOLT	2	SN: 80001-UP
17	01580-10806	NAT	2	SN: 80001-UP
18	01598-00809	NAT	1	SN: 80001-UP
19	3EB-71-31640	STRIP	8	SN: 80001-UP
20	3LA-59-11151	BRACKET	2	SN: 80001-UP
21	3LA-59-11162	SPACER	2	SN: 80001-UP
22	01010-80625	BOLT	2	SN: 80001-UP
23	34A-52-11180	WASHER	2	SN: 80001-UP
24	01580-10605	NAT	1	SN: 80001-UP
25	37B-1AE-6010	BAND	4	SN: 80001-UP
26	3LA-59-11220	CABLE, (FOR 1.0 TON TO 1.3 TON)	1	SN: 80001-UP
	3LA-59-11321	CABLE, (FOR 1.4 TON TO 1.8 TON)	1	SN: 80001-UP
27	04434-51008	CLIP	1	SN: 80001-UP
28	01010-80616	BOLT	1	SN: 80001-UP

Item	Part No.	Part Name	Qty	Options
29	01643-30623	WASHER	1	SN: 80001-UP
30	3LA-59-11553	RUBBER	1	SN: 83793-UP
	3LA-59-11551	RUBBER	1	SN: 80001-83792
31	01220-70608	SCREW	2	SN: 83793-UP
32	3LA-50-11130	WASHER	2	SN: 83793-UP

Reference: E4190-01A0



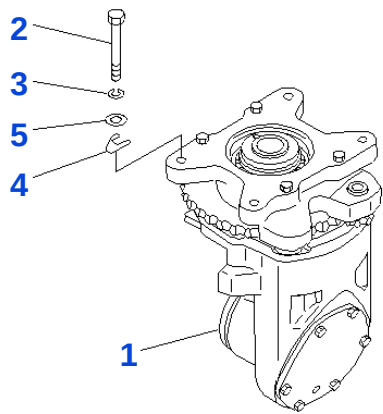
Reference: E4190-02A0

030040 BATTERY TRAY (COLD RESISTANT) (2/2)

Item	Part No.	Part Name	Qty	Options
1	3LA-59-11581	CAP	1	SN: 80001-UP
2	3LA-59-11511	SPRING	1	SN: 80001-UP
3	3LA-59-11381	BUSH	2	SN: 80001-UP
4	3LA-59-11571	WASHER	1	SN: 80001-UP
5	3LA-59-11271	LEVER	1	SN: 80001-UP
6	3LA-59-11562YS	BRACKET	1	SN: 80001-UP
7	F1210-40612	BOLT	3	SN: 80001-UP
8	01016-20320	BOLT	4	SN: 80001-UP
9	01601-20307	WASHER, SPRING	4	SN: 80001-UP
10	01640-20305	WASHER	6	SN: 80001-UP
11	3LA-56-11330	SWITCH ASSEMBLY	1	SN: 80001-UP
12	3BA-39-51130	SWITCH ASSEMBLY	1	SN: 80001-UP
13	3LA-59-11391	WIRE HARNESS	1	SN: 80001-UP
14	3LA-61-11341	PLATE	2	SN: 80001-UP
15	37R-2MP-4245	KNOB PLATE	1	SN: 80001-UP
16	3LA-48-11120	NOBU	1	SN: 80001-UP
17	3LA-59-11471	PIPE	1	SN: 80001-UP
18	3LA-59-11451	BRACKET	1	SN: 80001-UP
19	01010-80612	BOLT	3	SN: 80001-UP
20	01602-20619	WASHER, SPRING	3	SN: 80001-UP
21	3EB-50-25120	WASHER	2	SN: 80001-UP
22	3ED-61-43360	SHAFT	1	SN: 80001-UP
23	3LA-59-11462YS	BRACKET	1	SN: 80001-UP
24	F1110-50820	BOLT	2	SN: 80001-UP
25	08039-03708	CLAMP	2	SN: 80001-UP
26	01010-81016	BOLT	2	SN: 80001-UP
27	01602-21030	WASHER, SPRING	2	SN: 80001-UP
28	3LA-71-11392WD	BRACKET	1	SN: 80966-UP
	3LA-71-11391WD	BRACKET	1	SN: 80001-80965
29	01010-81225	BOLT	2	SN: 80001-UP
30	01643-31232	WASHER	2	SN: 80001-UP
31	3EB-71-31480	SHIM, 1.0MM	2	SN: 80001-UP
32	3LA-59-11492	ANGLE	2	SN: 83793-UP
	3LA-59-11490	ANGLE	1	SN: 81510-83792

Item	Part No.	Part Name	Qty	Options
33	01010-81225	BOLT	4	SN: 83793-UP
	01010-81020	BOLT	2	SN: 81510-83792
34	01643-31232	WASHER	4	SN: 83793-UP
	01643-31032	WASHER	1	SN: 81510-83792
35	01640-01223	WASHER	4	SN: 83793-UP

Reference: E4190-02A0



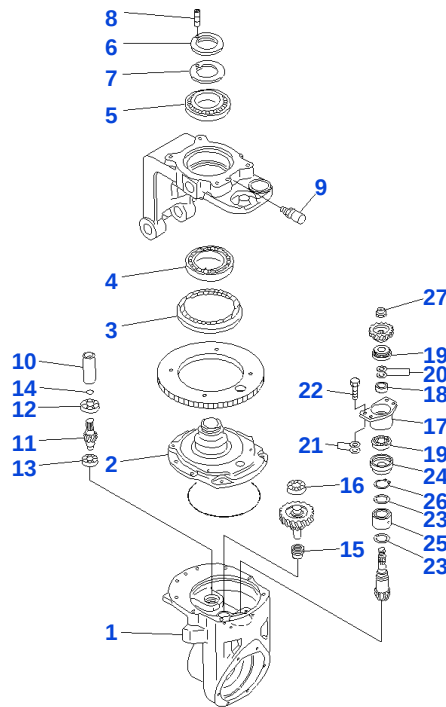
P W F 4 4 6 5

Reference: F4310-11A0

060010 POWER LINE (COLD INCLUDED)

Item	Part No.	Part Name	Qty	Options
1	3LA-22-11380YA	TRANSFER ASSEMBLY	1	SN: 80001-UP
	3LA-22-11380WA	TRANSFORMER ASSEMBLY, (COLD)	1	SN: 80001-UP
2	01016-51690	BOLT	4	SN: 80001-UP
3	01602-21648	WASHER, SPRING	4	SN: 80001-UP
4	3RB-22-51270	SPACER	8	SN: 80001-UP
5	01643-31645	WASHER	4	SN: 80001-UP

Reference: F4310-11A0



PWF4471

Reference: F4310-61A0

060020 POWER LINE (TRANSFORMER INNER PARTS) (COLD STORAGE COLD STORAGE) (1/2)

Item	Part No.	Part Name	Qty	Options
	3LA-22-11380YA	TRANSFER ASSEMBLY	1	SN: 80001-UP
	3LA-22-11380WA	TRANSFORMER ASSEMBLY, (COLD)	1	SN: 80001-UP
		INCLUDES COMPONENTS OF COLLAR ASSEMBLY FIG.F4310-61A0 AND FIG.F4310-62A0.		
1	3LA-22-11220YA	• CASE	1	SN: 80001-UP
	3LA-22-11220WA	• CASE, (COLD)	1	SN: 80001-UP
2	3RA-22-61121YA	• COVER	1	SN: 80001-UP
	3RA-22-61121WA	• COVER, (COLD)	1	SN: 80001-UP
3	3RA-22-61130	• SEAL	1	SN: 80001-UP
4	06000-32020	• BEARING	1	SN: 80001-UP
5	06000-30216	• BEARING	1	SN: 80001-UP
6	3RA-22-61730	• NAT	1	SN: 80001-UP
7	3EB-21-25150	• PLATE	1	SN: 80001-UP
8	01315-40612	• SCREW	1	SN: 80001-UP
9	07030-01030	• BREATHER	1	SN: 80001-UP
10	3RA-22-61140	• JOINT	1	SN: 80001-UP
11	3RA-22-61150	• GEAR, (Z=15)	1	SN: 80001-UP
12	06004-06305	• BEARING	1	SN: 80001-UP
13	06000-06304	• BEARING	1	SN: 80001-UP
14	07000-02021	• O RING	1	SN: 80001-UP
15	3RA-22-61160	• BEARING	1	SN: 80001-UP
16	06004-06206	• BEARING	1	SN: 80001-UP
17	3RA-22-61180	• CAGE	1	SN: 80001-UP
18	3RA-22-61230	• COLLAR	1	SN: 80001-UP
19	06002-30305	• BEARING	2	SN: 80001-UP
20	3RA-22-00030	• SIM ASSEMBLY	1	SN: 80001-UP
		• ☆ SHIM, 0.25MM		SN: 80001-UP
		• ☆ SHIM, 0.30MM		SN: 80001-UP
		• ☆ SHIM, 0.40MM		SN: 80001-UP
		• ☆ SHIM, 1.0MM		SN: 80001-UP
21	3RA-22-00040	• SIM ASSEMBLY	1	SN: 80001-UP
		• ☆ SHIM, 0.5MM		SN: 80001-UP

Item	Part No.	Part Name	Qty	Options
		• • ☆ SHIM, 0.2MM		SN: 80001-UP
		• • ☆ SHIM, 0.3MM		SN: 80001-UP
22	01010-81035	• BOLT	4	SN: 80001-UP
23	3RA-22-61210	• COLLAR	2	SN: 80001-UP
24	3RA-22-61220	• SPACER	1	SN: 80001-UP
25	3RA-22-61190	• BEARING	1	SN: 80001-UP
26	04064-04018	• RING, SNAP	1	SN: 80001-UP
27	3RB-22-11370	• NAT	1	SN: 80001-UP

Catalog signs: ☆ not supplied separately: assembly only

Reference: F4310-61A0

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