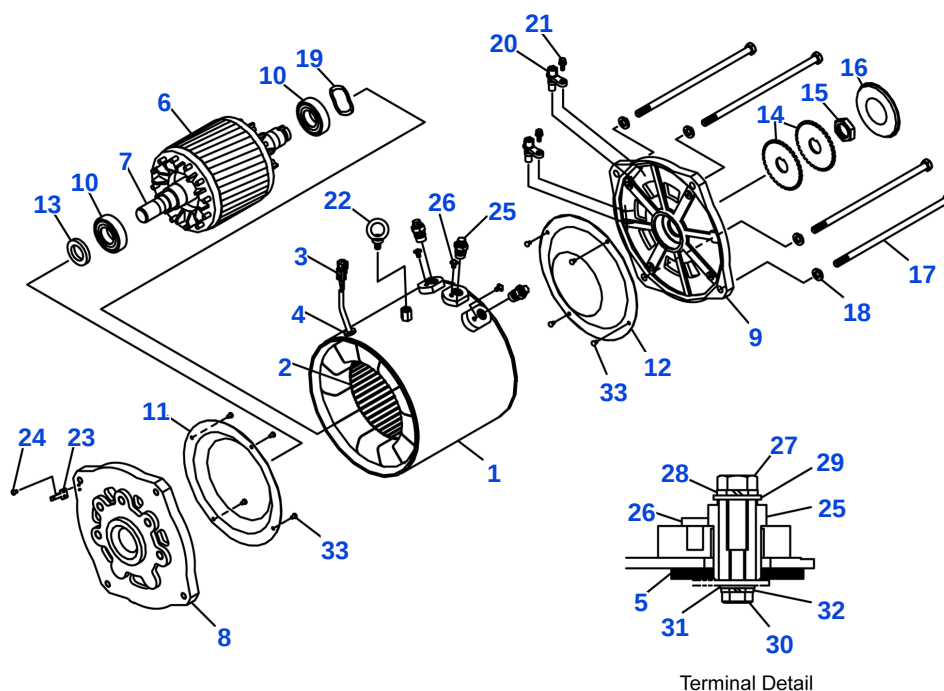




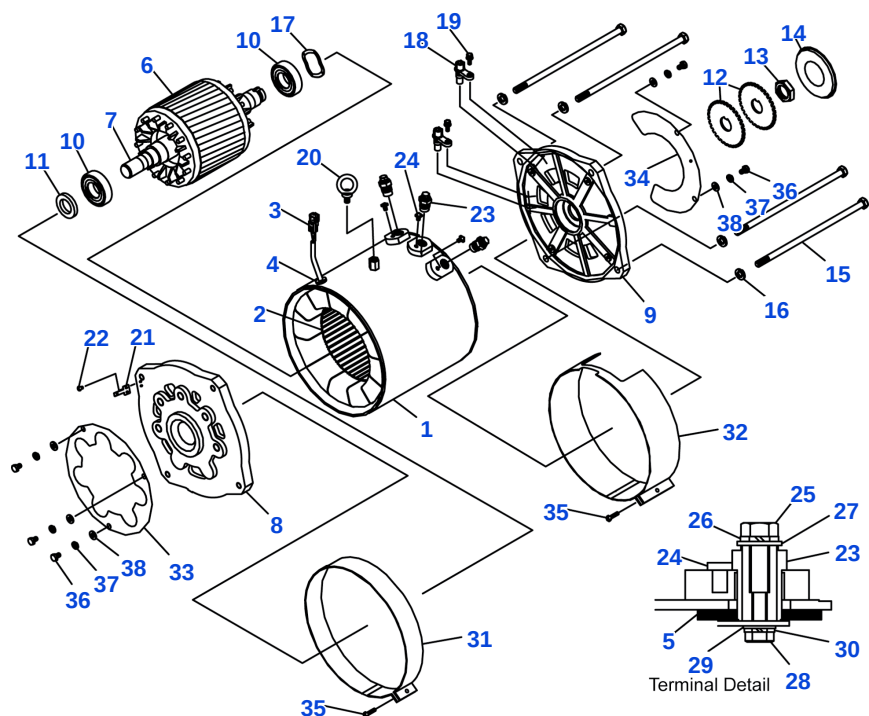
Reference: G-1

G-1 FIG. 17-0001 TRACTION MOTOR (UL ES) FB20/25/30/32SH-6, FB20/25SHG - S/N 90001A~/93001~

Item	Part No.	Part Name	Qty	Options
	3BB-17-57110	MOTOR ASSY - TRACTION (OPEN)	1	
1	30B-17-11320	• FRAME	1	
2	NSS	•• STATOR CORE	1	
3	30B-17-11430	• THERMISTOR	1	
4	NSS	•• BUSHING	1	
5	30B-17-11380	• INSULATION	1	
6	30B-17-11260	• ROTOR CORE	1	
7	NSS	•• SHAFT	1	
8	30B-17-11340	• BRACKET (FRONT)	1	
9	30B-17-11330	• BRACKET (REAR)	1	
10	30B-17-11240	• BEARING	2	
11	30B-17-11350	• GUIDE (FRONT)	1	
12	30B-17-11360	• GUIDE (REAR)	1	
13	30B-17-11440	• OIL SEAL	1	
14	30B-17-11390	• GEAR	2	
15	30B-17-11410	• NUT	1	
16	30B-17-11370	• COVER	1	
17	30B-17-11150	• BOLT	4	
18	30B-17-11220	• WASHER	4	
19	30B-17-11250	• WAVE WASHER	1	
20	30B-17-11310	• SPEED SENSOR	2	
21	30B-17-11120	• BOLT	2	
22	30B-17-11110	• EYE BOLT	1	
23	30B-17-11420	• ATTACH PLATE	1	
24	30B-17-11170	• SCREW	2	
25	30B-17-11270	• STUD BOLT	3	
26	30B-17-11280	• SCREW	3	
27	30B-17-11140	• BOLT	3	
28	30B-17-11210	• WASHER	3	
29	30B-17-11190	• WASHER	3	
30	30B-17-11130	• BOLT	3	
31	30B-17-11230	• WASHER	3	
32	30B-17-11180	• WASHER	3	

Item	Part No.	Part Name	Qty	Options
33	30B-17-11290	• RIVET	8	

Reference: G-1



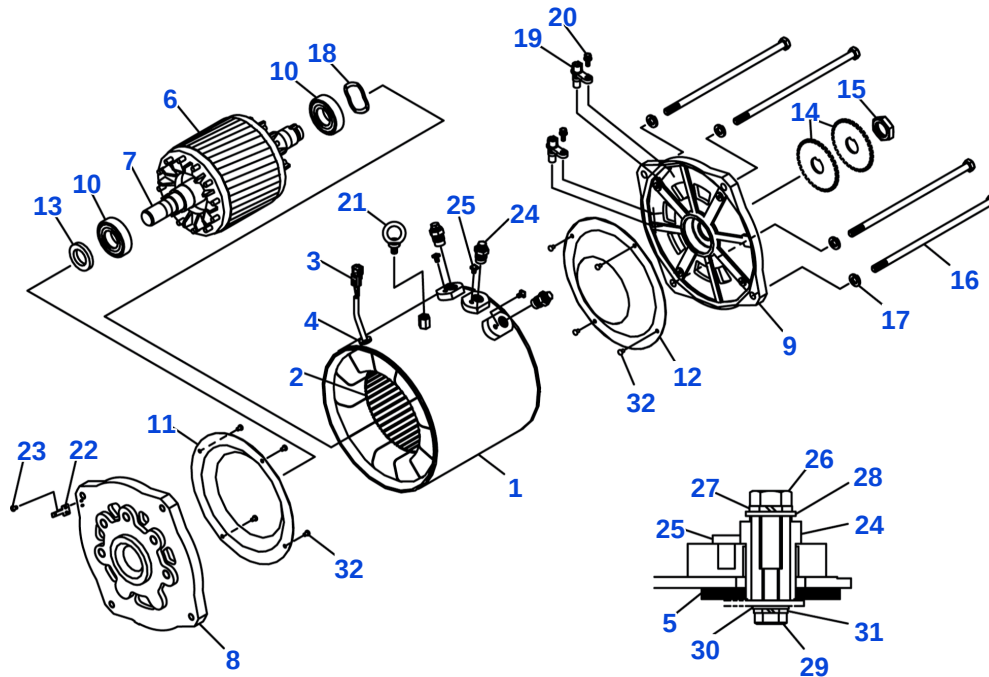
Reference: G-3

**G-3 FIG. 17-0002 TRACTION MOTOR (UL EE) FB20/25/30/32SHE-6,
FB20/25SHGE-6 - S/N 90001A~/93001~**

Item	Part No.	Part Name	Qty	Options
	3BB-17-57210	MOTOR ASSY - TRACTION (SEALED)	1	
1	30B-17-11320	• FRAME	1	
2	NSS	•• STATOR CORE	1	
3	30B-17-11430	• THERMISTOR	1	
4	NSS	•• BUSHING	1	
5	30B-17-11380	• INSULATION	1	
6	30B-17-11260	• ROTOR CORE	1	
7	NSS	•• SHAFT	1	
8	30B-17-11590	• BRACKET (FRONT)	1	
9	30B-17-11580	• BRACKET (REAR)	1	
10	30B-17-11240	• BEARING	2	
11	30B-17-11440	• OIL SEAL	1	
12	30B-17-11390	• GEAR	2	
13	30B-17-11410	• NUT	1	
14	30B-17-11370	• COVER	1	
15	30B-17-11150	• BOLT	4	
16	30B-17-11220	• WASHER	4	
17	30B-17-11250	• WAVE WASHER	1	
18	30B-17-11310	• SPEED SENSOR	2	
19	30B-17-11120	• BOLT	2	
20	30B-17-11110	• EYE BOLT	1	
21	30B-17-11420	• ATTACH PLATE	1	
22	30B-17-11170	• SCREW	2	
23	30B-17-11270	• STUD BOLT	3	
24	30B-17-11280	• SCREW	3	
25	30B-17-11140	• BOLT	3	
26	30B-17-11210	• WASHER	3	
27	30B-17-11190	• WASHER	3	
28	30B-17-11130	• BOLT	3	
29	30B-17-11230	• WASHER	3	
30	30B-17-11180	• WASHER	3	
31	30B-17-11560	• COVER	1	
32	30B-17-11570	• COVER	1	

Item	Part No.	Part Name	Qty	Options
33	30B-17-11610	• COVER	1	
34	30B-17-11620	• COVER	1	
35	30B-17-11510	• BOLT	2	
36	30B-17-11520	• BOLT	5	
37	30B-17-11550	• WASHER	5	
38	30B-17-11540	• WASHER	5	

Reference: G-3

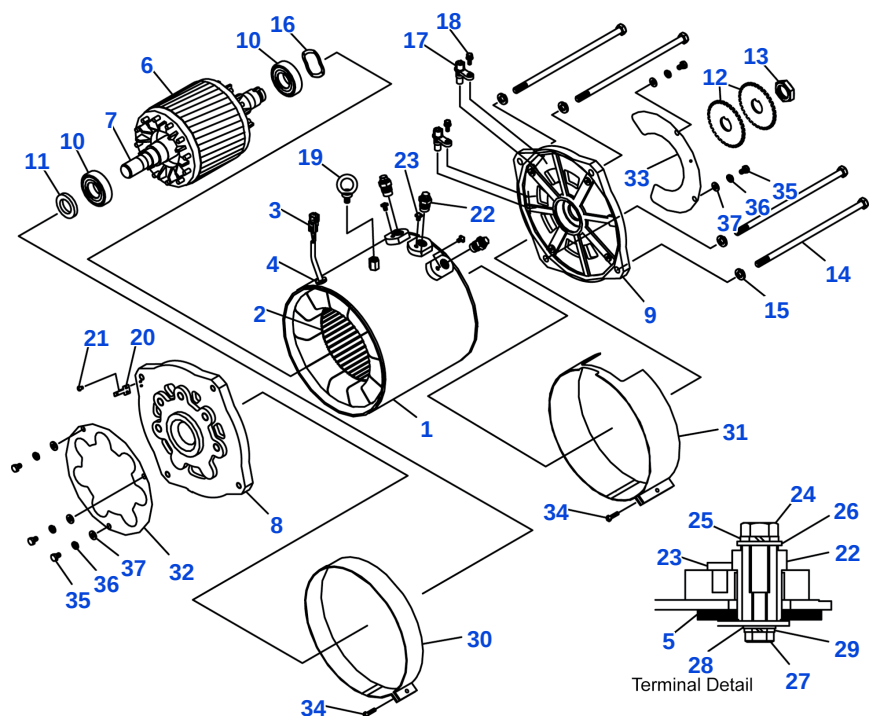


Terminal Detail

Reference: G-5

G-5 FIG. 17-0010 TRACTION MOTOR (UL ES) W/ SEAT BRAKE (OPTIONAL) FB20/25/30/32SH-6, FB20/25SHG - S/N 90001A~/93001~

Item	Part No.	Part Name	Qty	Options
	3BB-17-57310	MOTOR ASSY - TRACTION	1	
1	30B-17-11320	• FRAME	1	
2	NSS	•• STATOR CORE	1	
3	30B-17-11430	• THERMISTOR	1	
4	NSS	•• BUSHING	1	
5	30B-17-11380	• INSULATION	1	
6	30B-17-11450	• ROTOR CORE	1	
7	NSS	•• SHAFT	1	
8	30B-17-11340	• BRACKET (FRONT)	1	
9	30B-17-11720	• BRACKET (REAR)	1	
10	30B-17-11240	• BEARING	2	
11	30B-17-11350	• GUIDE (FRONT)	1	
12	30B-17-11360	• GUIDE (REAR)	1	
13	30B-17-11440	• OIL SEAL	1	
14	30B-17-11390	• GEAR	2	
15	30B-17-11730	• NUT	1	
16	30B-17-11150	• BOLT	4	
17	30B-17-11220	• WASHER	4	
18	30B-17-11250	• WAVE WASHER	1	
19	30B-17-11310	• SPEED SENSOR	2	
20	30B-17-11120	• BOLT	2	
21	30B-17-11110	• EYE BOLT	1	
22	30B-17-11420	• ATTACH PLATE	1	
23	30B-17-11170	• SCREW	2	
24	30B-17-11270	• STUD BOLT	3	
25	30B-17-11280	• SCREW	3	
26	30B-17-11140	• BOLT	3	
27	30B-17-11210	• WASHER	3	
28	30B-17-11190	• WASHER	3	
29	30B-17-11130	• BOLT	3	
30	30B-17-11230	• WASHER	3	
31	30B-17-11180	• WASHER	3	
32	30B-17-11290	• RIVET	8	



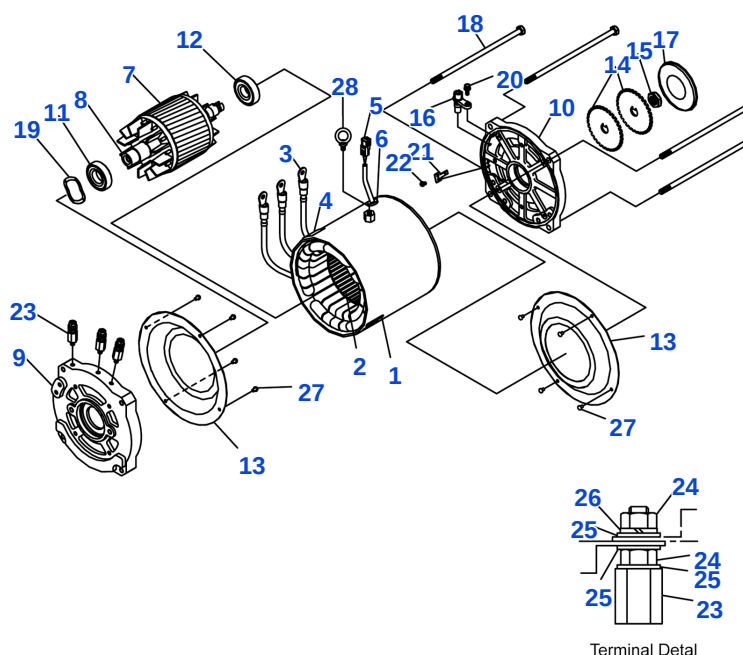
Reference: G-7

G-7 FIG. 17-0011 TRACTION MOTOR (UL EE) W/ SEAT BRAKE (OPTIONAL) FB20/25/30/32SHE-6, FB20/25SHGE-6 - S/N 90001A~/93001~

Item	Part No.	Part Name	Qty	Options
	3BB-17-57410	MOTOR ASSY - TRACTION	1	
1	30B-17-11320	• FRAME	1	
2	NSS	•• STATOR CORE	1	
3	30B-17-11430	• THERMISTOR	1	
4	NSS	•• BUSHING	1	
5	30B-17-11380	• INSULATION	1	
6	30B-17-11260	• ROTOR CORE	1	
7	NSS	•• SHAFT	1	
8	30B-17-11590	• BRACKET (FRONT)	1	
9	30B-17-11710	• BRACKET (REAR)	1	
10	30B-17-11240	• BEARING	2	
11	30B-17-11440	• OIL SEAL	1	
12	30B-17-11390	• GEAR	2	
13	30B-17-11730	• NUT	1	
14	30B-17-11150	• BOLT	4	
15	30B-17-11220	• WASHER	4	
16	30B-17-11250	• WAVE WASHER	1	
17	30B-17-11310	• SPEED SENSOR	2	
18	30B-17-11120	• BOLT	2	
19	30B-17-11110	• EYE BOLT	1	
20	30B-17-11420	• ATTACH PLATE	1	
21	30B-17-11170	• SCREW	2	
22	30B-17-11270	• STUD BOLT	3	
23	30B-17-11280	• SCREW	3	
24	30B-17-11140	• BOLT	3	
25	30B-17-11210	• WASHER	3	
26	30B-17-11190	• WASHER	3	
27	30B-17-11130	• BOLT	3	
28	30B-17-11230	• WASHER	3	
29	30B-17-11180	• WASHER	3	
30	30B-17-11560	• COVER	1	
31	30B-17-11570	• COVER	1	
32	30B-17-11610	• COVER	1	

Item	Part No.	Part Name	Qty	Options
33	30B-17-11620	• COVER	1	
34	30B-17-11510	• BOLT	2	
35	30B-17-11520	• BOLT	5	
36	30B-17-11550	• WASHER	5	
37	30B-17-11540	• WASHER	5	

Reference: G-7



Reference: G-9

G-9 FIG. 18-0001 PUMP MOTOR (UL ES) FB20/25/30/32SH-6, FB20/25SHG - S/N 90001A~/93001~

Item	Part No.	Part Name	Qty	Options
	3BB-18-57310	PUMP MOTOR ASSY	1	
1	30B-18-11210	• FRAME	1	
2	NSS	•• STATOR CORE	1	
3	NSS	•• LEAD WIRE	3	
4	30B-18-11250	• GROMMET	3	
5	30B-17-11430	• THERMISTOR	1	
6	NSS	•• BUSHING	1	
7	30B-18-11190	• ROTOR CORE	1	
8	NSS	•• SHAFT	1	
9	30B-18-11230	• BRACKET (FRONT) (END CAP)	1	
10	30B-18-11220	• BRACKET (REAR) (END CAP)	1	
11	30B-18-11160	• BEARING (FRONT)	1	
12	30B-18-11170	• BEARING (REAR)	1	
13	30B-18-11240	• GUIDE	2	
14	30B-18-11260	• GEAR	2	
15	30B-18-11270	• NUT	1	
16	30B-17-11310	• SPEED SENSOR	1	
17	30B-17-11370	• COVER	1	
18	30B-18-11130	• BOLT	4	
19	30B-18-11180	• WAVE WASHER	1	
20	30B-17-11120	• BOLT	1	
21	30B-17-11420	• ATTACH PLATE	1	
22	30B-17-11170	• SCREW	2	
23	30B-18-11120	• TERMINAL	3	
24	30B-18-11150	• NUT	6	
25	30B-17-11540	• WASHER	9	
26	30B-17-11550	• WASHER	3	
27	30B-17-11290	• RIVET	8	
28	30B-18-11110	• EYE BOLT	1	
NS	3BB-18-A6810	FRONT MTG BRACKET (LONG)	1	
NS	3BB-18-A6820	REAR MTG BRACKET (SHORT)	1	

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