
OWNER'S MANUAL

ELECTRIC WIRE ROPE HOIST and TROLLEY RHN SERIES

2 Ton through 20 Ton Capacity

Hoist Code and Serial Number

WARNING

This equipment should not be installed, operated or maintained by any person who has not read and understood all the contents of this manual. Failure to read and comply with the contents of this manual can result in serious bodily injury or death, and/or property damage.

HARRINGTON
HOISTS AND CRANES

9.0 Parts List

When ordering Parts, please provide the Hoist product number and serial number located on the Hoist nameplate (see fig. below).

Reminder: Per **Sections 1.1** and **3.9.1** to aid in ordering Parts and Product Support, record the Hoist product number and serial number in the space provided on the cover of this manual.

The image shows a nameplate with a form for recording technical specifications. At the top, there is a space for the 'Serial number'. Below this is a table with the following fields:

Product		Manufacturing month	
Duty class	Hoisting speed	Manufacturer's ref	
-	-/-	/5	
Load	Trolley speed		
-	-/-		
Height of lift	Main voltage	Control voltage	Frequency
-	-	-	-

The parts list is arranged into the following sections:

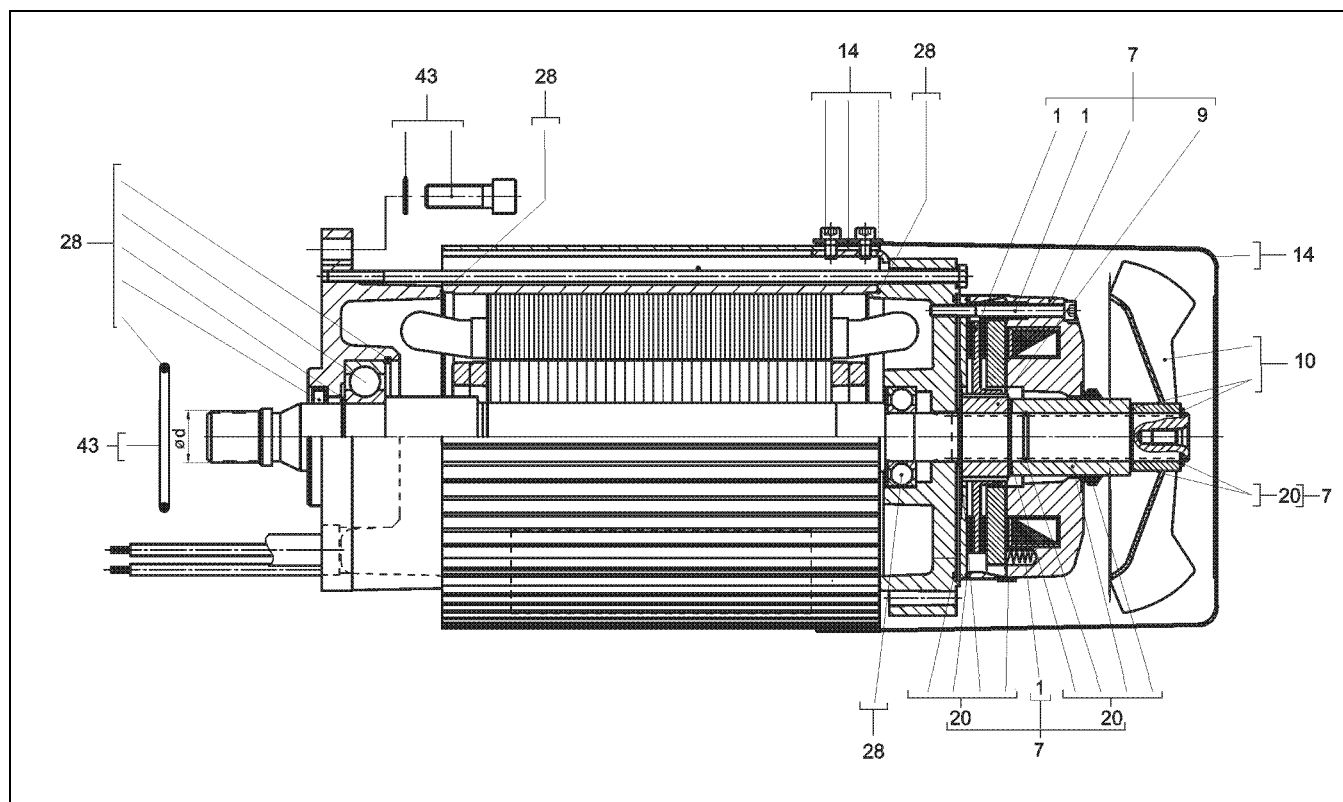
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In the column "Parts Per Hoist" a designator is used for parts that apply only to a particular model or option. Refer to **Section 2** for hoist model numbers and additional descriptions. The designators are:

- 1V = 208 Volt Models
- 2V = 230 Volt Models
- 4V = 460 Volt Models
- 5V = 575 Volt Models

9.1 Hoist Motor Parts

RHN02, RHN03, RHN05, RHN08, RHN10, RHN15, RHN20



50

Figure 9-1-1 Hoist Motor Parts (Dual Speed)

9.1 Hoist Motor Parts

Figure No.	Part Name	Parts Per Hoist		RHN02	RHN03	RHN05	RHN08	RHN10	RHN15U	RHN15D	RHN20D
50	HOIST MOTOR, Dual Speed ¹	1V, 2V	1	RHN0702		RHN0705	RHN0708		RHN0711	RHN0714	
		4V		RHN0356		RHN0366	RHN0371		RHN0381	RHN0382	
		5V		RHN0703		RHN0706	RHN0709		RHN0712	RHN0715	
7	Brake assembly	1V 2V 4V	1	RHN0358		RHN0368	RHN0373			RHN0384	
		5V		RHN0359		RHN0369	RHN0374			RHN0385	
	1	Brake rotor kit ²		1	RHN0357		RHN0367	RHN0372			
	9	Hub		1	RHN0360		RHN0370	RHN0375			
	20	Brake seal kit ³		1	RHN0363			RHN0378			
	10	Fan wheel kit ⁴		1	RHN0361			RHN0376			
	14	Fan cover kit ⁵		1	RHN0362			RHN0377			
	28	Bearing kit ⁶		1	RHN0364			RHN0379			
43	Gear motor screw kit ⁷		1	RHN0365			RHN0380				

- 1 Item #43 should be ordered with this part
- 2 Item #20 should be ordered with this part
- 3 Brake seal kit includes o-rings, bushing, snap rings, plug
- 4 Fan wheel kit includes fan wheel and snap rings
- 5 Fan cover kit includes fan cover, lock washers, screws, and tread block
- 6 Bearing kit includes bearings, o rings, snap rings
- 7 Gear motor screw includes screws, lock washers, and o-ring

9.2 Gearing Parts

RHN02, RHN03, RHN05, RHN08, RHN10

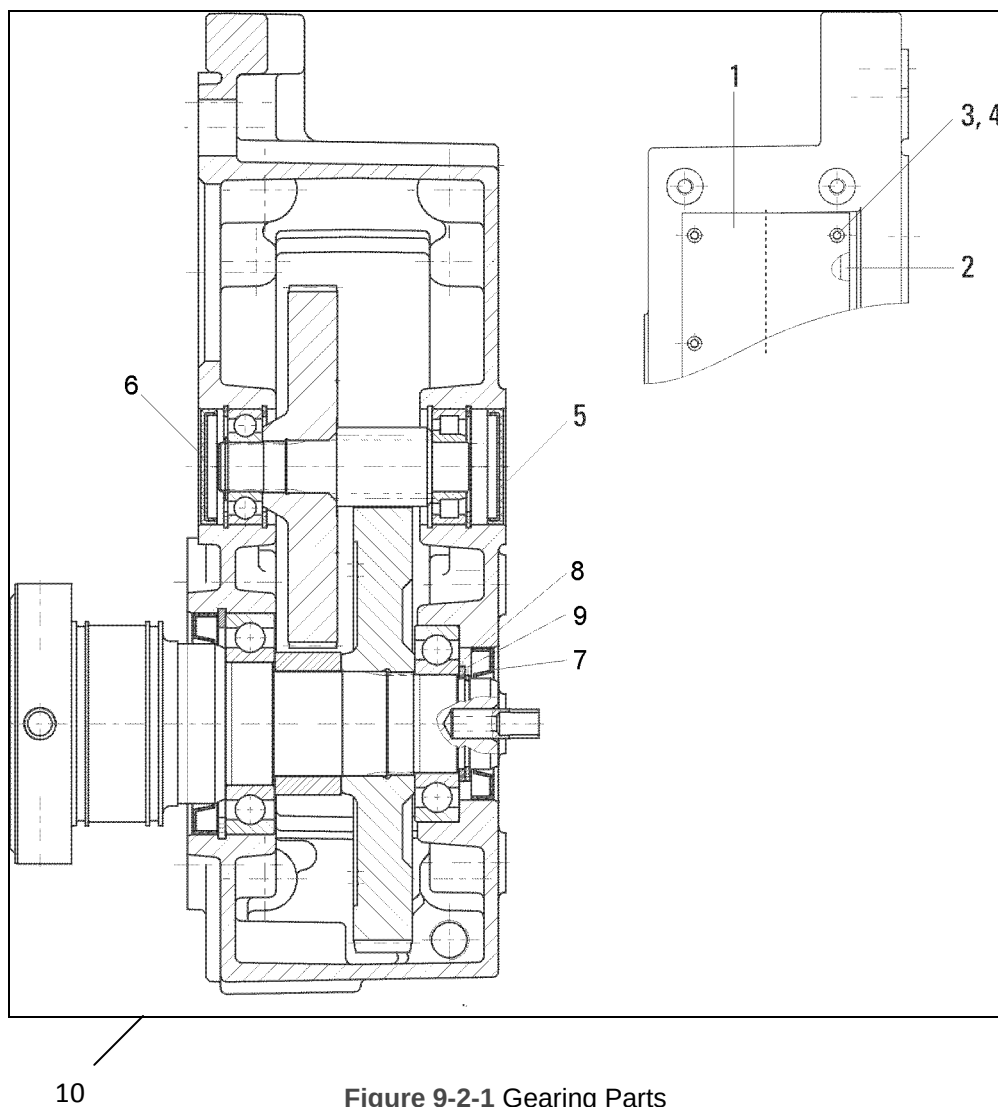


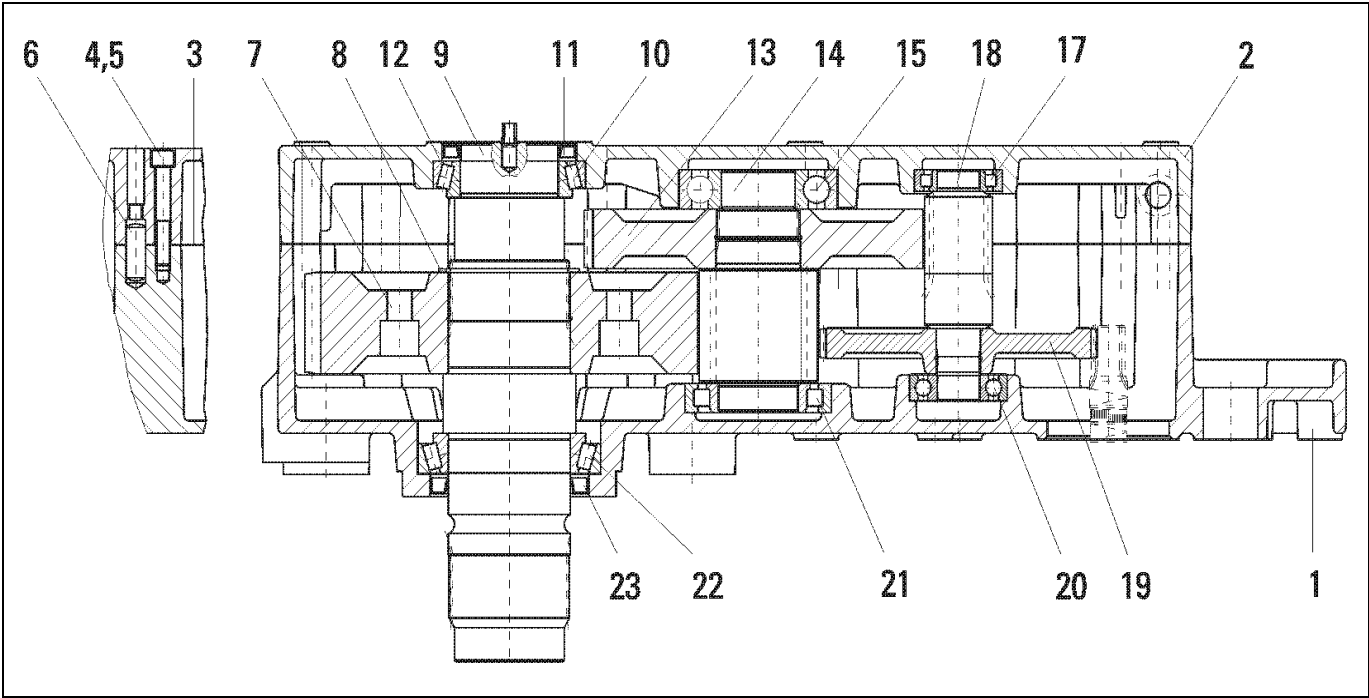
Figure 9-2-1 Gearing Parts

9.2 Gearing Parts

Figure No.	Part Name	Parts Per Hoist	RHN02	RHN03	RHN05	RHN08	RHN10
10	2-10 Ton Gear Assembly, Standard	1	RHN0304		RHN0306		RHN0308
1	Cover	1	RHN0001		RHN0085		RHN0146
2	Seal	1	RHN0002		RHN0086		RHN0147
3	Socket head cap screw	8	9691201				
4	Lock washer	8	9012709				
5	End cap	1	RHN0003		RHN0045		RHN0132
6	End cap	1	RHN0003		RHN0088		RHN0149
7	Shaft seal	1	RHN0004		RHN0089		RHN0150
8	Snap Ring, external	1	9047120		9047148		9047175
9	Supporting ring	1	9098801		9098803		9098805

9.2 Gearing Parts

RHN15, RHN20



25

Figure 9-2-2 Gearing Parts

9.2 Gearing Parts

Figure No.	Part Name	Parts Per Hoist	RHN15U	RHN15D	RHN20D
25	GEAR BOX ASSEMBLY ¹	1	RHN0310	RHN0312	
1	Gear box	1	RHN0223		
2	Gear cap	1	RHN0224		
3	Seal	1	RHN0225		
4	Socket head cap screw	12	90912124		
5	Lock washer	12	9098511		
6	Dowel pin	2	RHN0226		
7	Gear wheel	1	RHN0227		
8	Retainer ring	1	9047192		
9	Drive shaft	1	RHN0228		
10	Bearing	1	9001223		
11	Shaft seal	1	RHN0229		
12	Shim ² , 110 x 125 x 0.3 mm	1	RHN0230		
	Shim ² , 110 x 125 x 0.2 mm		RHN0252		
13	Gear	1	RHN0231		
14	Pinion shaft	1	RHN0232		
15	Grooved ball bearing	1	9000313		
17	Cylindrical roller bearing	1	RHN0233		
18	Pinion shaft	1	RHN0315	RHN0234	
19	Gear wheel	1	RHN0316	RHN0235	
20	Grooved ball bearing	1	9000307		
21	Cylindrical roller bearing	1	RHN0236		
22	Bearing	1	9001224		
23	Shaft seal	1	RHN0237		

1 Gear oil is not included – see Owner's Manual for required amount.

2 As required/measured

9.3 Rope Drum Parts

RHN02, RHN03, RHN05, RHN08, RHN10

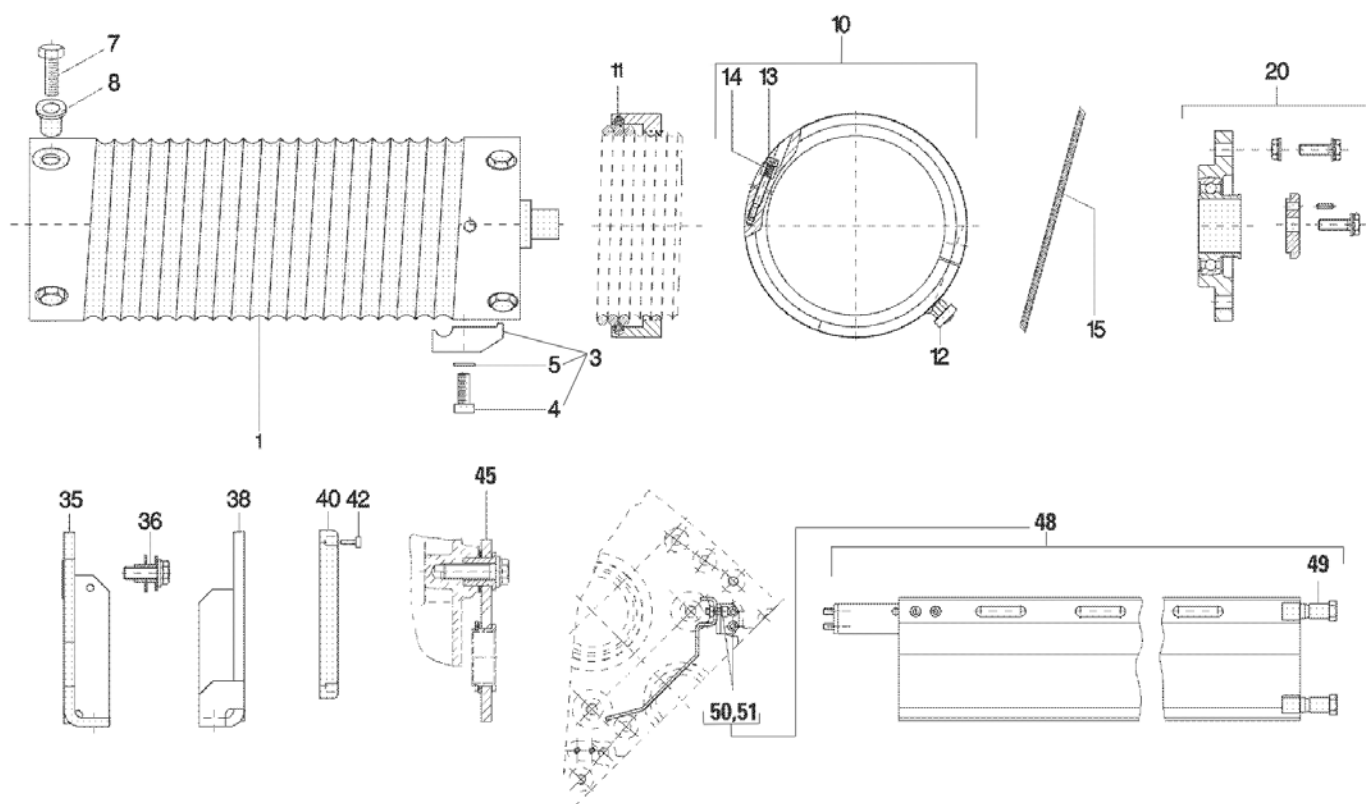


Figure 9-3-1 Rope Drum Parts

9.3 Rope Drum Parts

Figure No.	Part Name	Parts Per Hoist	RHN02	RHN03	RHN05D	RHN05U	RHN08	RHN10
1	Rope Drum ¹ – 20 ft. lift	1	RHN0005		RHN0090		RHN0151	
	Rope Drum ¹ – 33 ft. lift		RHN0006		RHN0091		RHN0152	
3	Clamping Plate	3	RHN0007		RHN0092		RHN0155	
4	Socket head cap screw	3			9691202		9091204	
5	Lock washer	3			9012712		9012713	
7	Screw	8*			9796801		RHN0156 (*Qty=6)	
8	Bushing	6					RHN0157	
10	Rope Guide	1	RHN0008		RHN0093		RHN0158	
11	Tension spring	1	RHN0009		RHN0094		RHN0159	
12	Guide part	1			RHN0010		RHN0160	
13	Screw	2				RHN0011		
14	Pressure spring	2				RHN0012		
15	Wire rope ² – 20ft. lift	1	RHN0013		RHN0098	RHN0095	RHN0161	
	Wire rope ² – 33ft. lift		RHN0016		RHN0096	RHN0097	RHN0164	
20	Flange bearing ³	1	RHN0014		RHN0099		RHN0162	
35	Support plate gear side (Deck/Base Mount)	1	RHN0015		RHN0100		RHN0163	
36	Bushing	2	RHN0017		RHN0102		RHN0165	
38	Support plate bearing side (Deck/Base Mount)	1	RHN0018		RHN0103		RHN0166	
40	End cover	1	RHN0020		RHN0168		RHN0170	
42	Screw	4			9750001			
45	Bearing plate ⁴	1			RHN0106		RHN0169	
48	Grease box – 20 ft. lift	1	RHN0021		RHN0107		RHN0171	
	Grease box – 33 ft. lift		RHN0022		RHN0108		RHN0172	
49	Screw	2			RHN0023		-	
50	Socket head cap screw	4*			9091249		9091249 (*Qty=8)	
51	Lock washer	4*			9012709		9012709 (*Qty=8)	

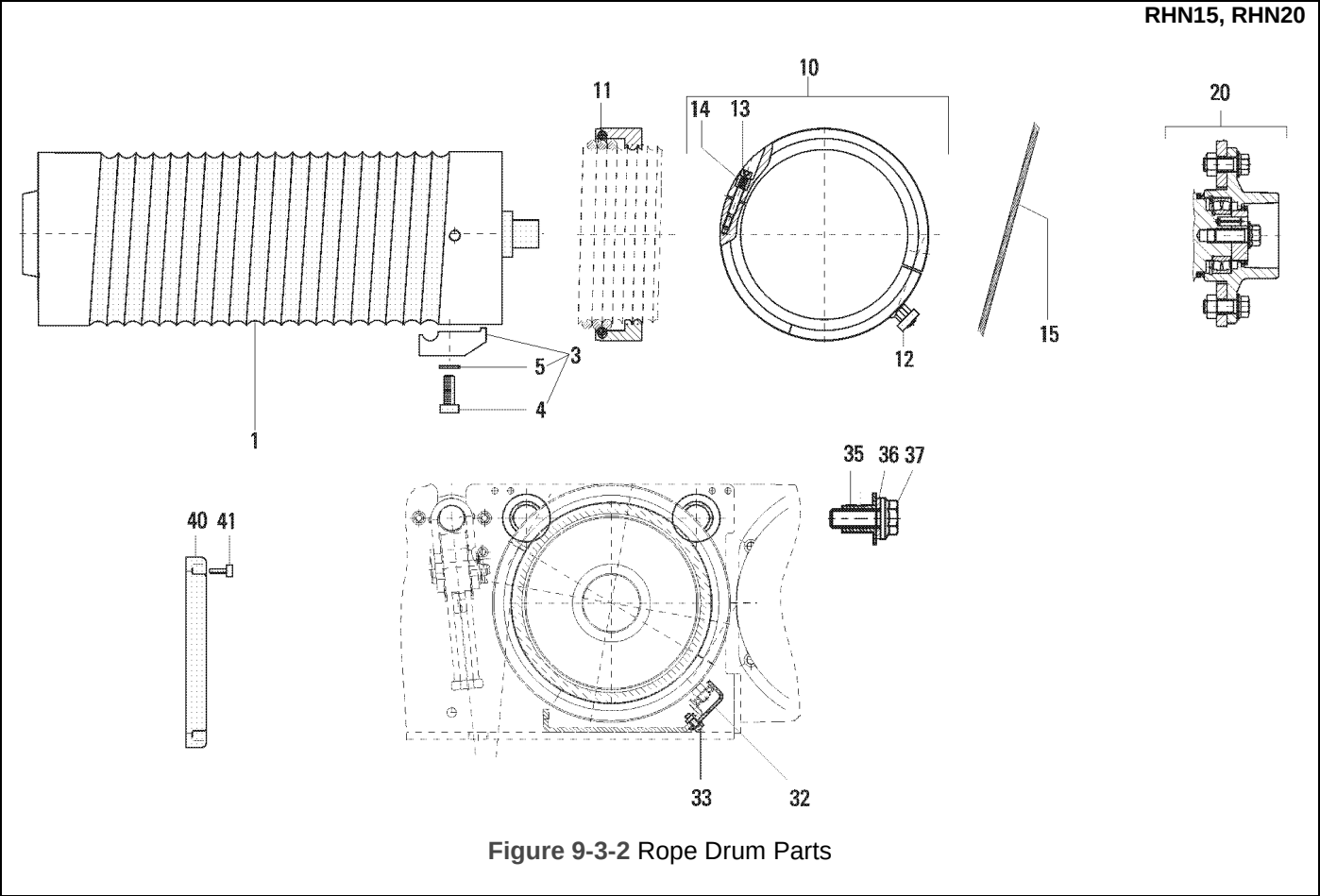
1 Item #20 should be ordered with this part

2 See test certificate

3 Flange bearing includes screws, nuts, holding disc, and clamping sleeve

4 Bearing plate includes bushings

9.3 Rope Drum Parts



9.3 Rope Drum Parts

Figure No.	Part Name	Parts Per Hoist	RHN15U	RHN15D	RHN20D
1	Rope Drum ¹ – 20ft lift (*28 ft. lift)	1	RHN0317*	RHN0238	
	Rope Drum ¹ – 33ft lift (*46 ft. lift)		RHN0318*	RHN0239	
3	Clamping Plate	3	RHN0319	RHN0240	
4	Socket head cap screw	3	9691207	90912142	
5	Lock washer	3	9012715		
10	Rope Guide	1	RHN0322	RHN0241	
11	Tension spring	1	RHN0242		
12	Guide part	1	RHN0243		
13	Screw	2	RHN0244		
14	Pressure spring	2	RHN0245		
15	Wire rope ² – 20ft lift (*28 ft. lift)	1	RHN0323*	RHN0246	
	Wire rope ² – 33ft lift (*46 ft. lift)		RHN0321*	RHN0256	
20	Drum bearing ³	1	RHN0247		
32	Guide rail – For 20ft* length (*28 ft. - RHN15U)	1	RHN0248		
	Guide rail – For 33ft* length (*46 ft. - RHN15U)		RHN0249		
33	Safety bolt	9	RHN0250		
35	Bushing	2	RHN0251		
36	Lock washer	2	9012730		
37	Hexagon head cap screw	2	90933178		
40	End cover	1	RHN0170		
41	Screw	4	9750001		

1 Item #20 should be ordered with this part

2 See test certificate

3 Drum bearing includes o-rings, snap rings, dowel pins, safety bolt, holding disc, safety plugs

9.4 Rope Suspension Parts

RHN02, RHN03, RHN05, RHN08, RHN10

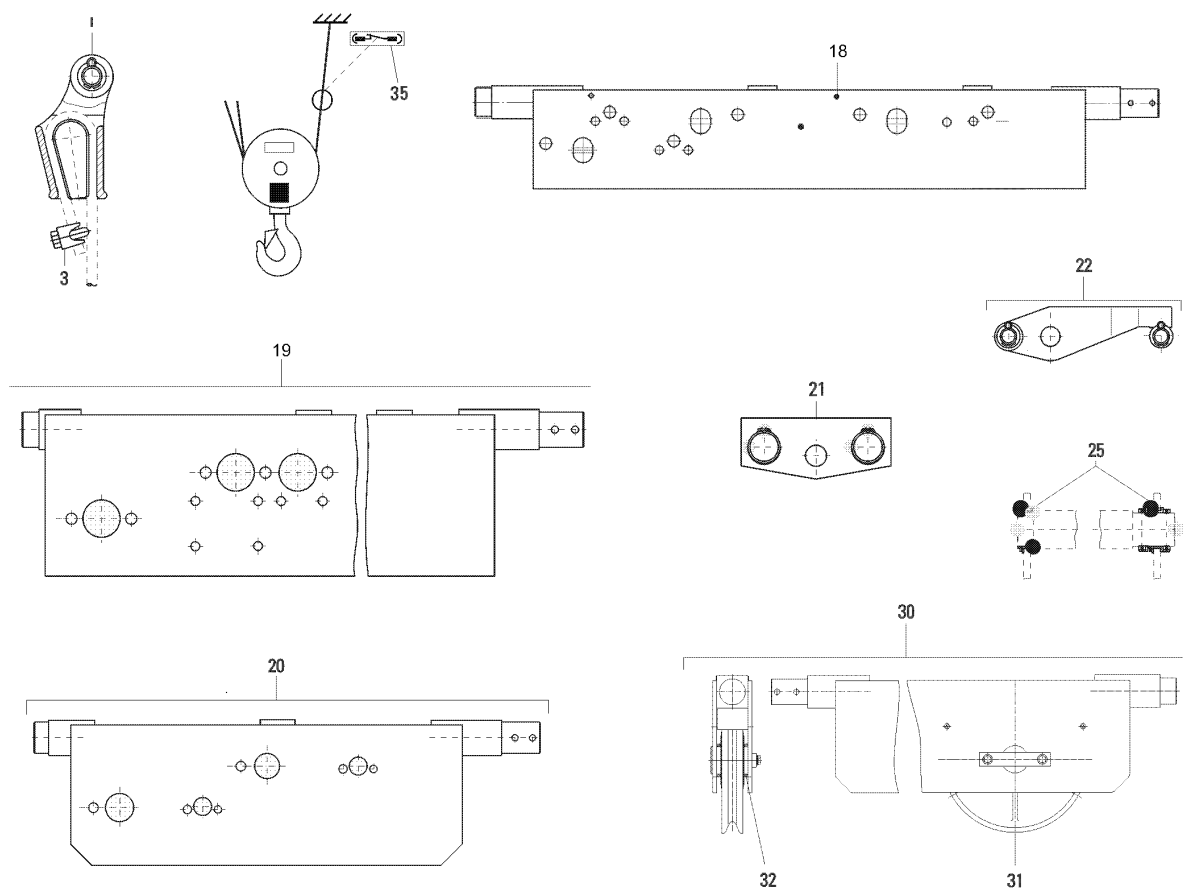


Figure 9-4-1 Rope Suspension Parts (Deck/Base Mounted)

9.4 Rope Suspension Parts

Figure No.	Part Name	Parts Per Hoist	RHN02	RHN03	RHN05	RHN08	RHN10
1	Clamp	1	RHN0024		RHN0110		RHN0173
3	Wire rope clamp	1	RHN0025		RHN0111		RHN0174
18	Suspension traverse (20 ft lift), Deck Mounted	1	RHN0026				
	Suspension traverse (33 ft lift), Deck Mounted		RHN0027				
19	Suspension traverse (20 ft lift), Deck Mounted	1			RHN0112		
	Suspension traverse (33 ft lift), Deck Mounted				RHN0113		
20	Suspension traverse (20 ft lift), Deck Mounted	1					RHN0177
	Suspension traverse (33 ft lift), Deck Mounted						RHN0178
21	Suspension	1			RHN0114		
22	Suspension	1	RHN0028				RHN0179
25	Bushing	1	RHN0029		RHN0115		RHN0180
30	Deflection cross bar – 20ft lift	1	RHN0030		RHN0116		RHN0181
	Deflection cross bar – 33ft lift		RHN0031		RHN0117		RHN0182
31	Rope pulley	1	RHN0032		RHN0118		RHN0191
32	Bushing	2	RHN0034		RHN0120		RHN0186
35	Block operated limit switch (BLS)	1	RHN0550				

9.4 Rope Suspension Parts

RHN02, RHN03, RHN05, RHN08, RHN10

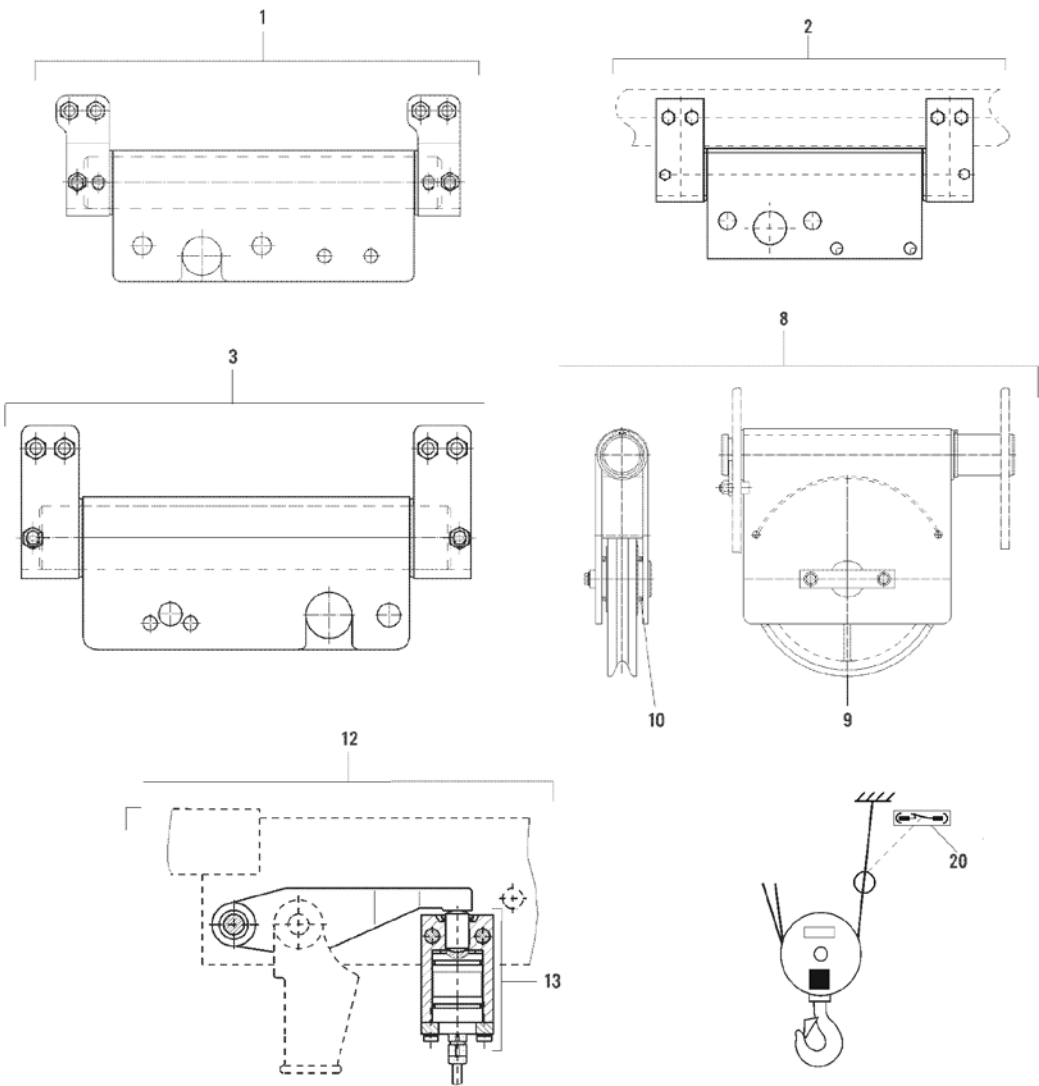


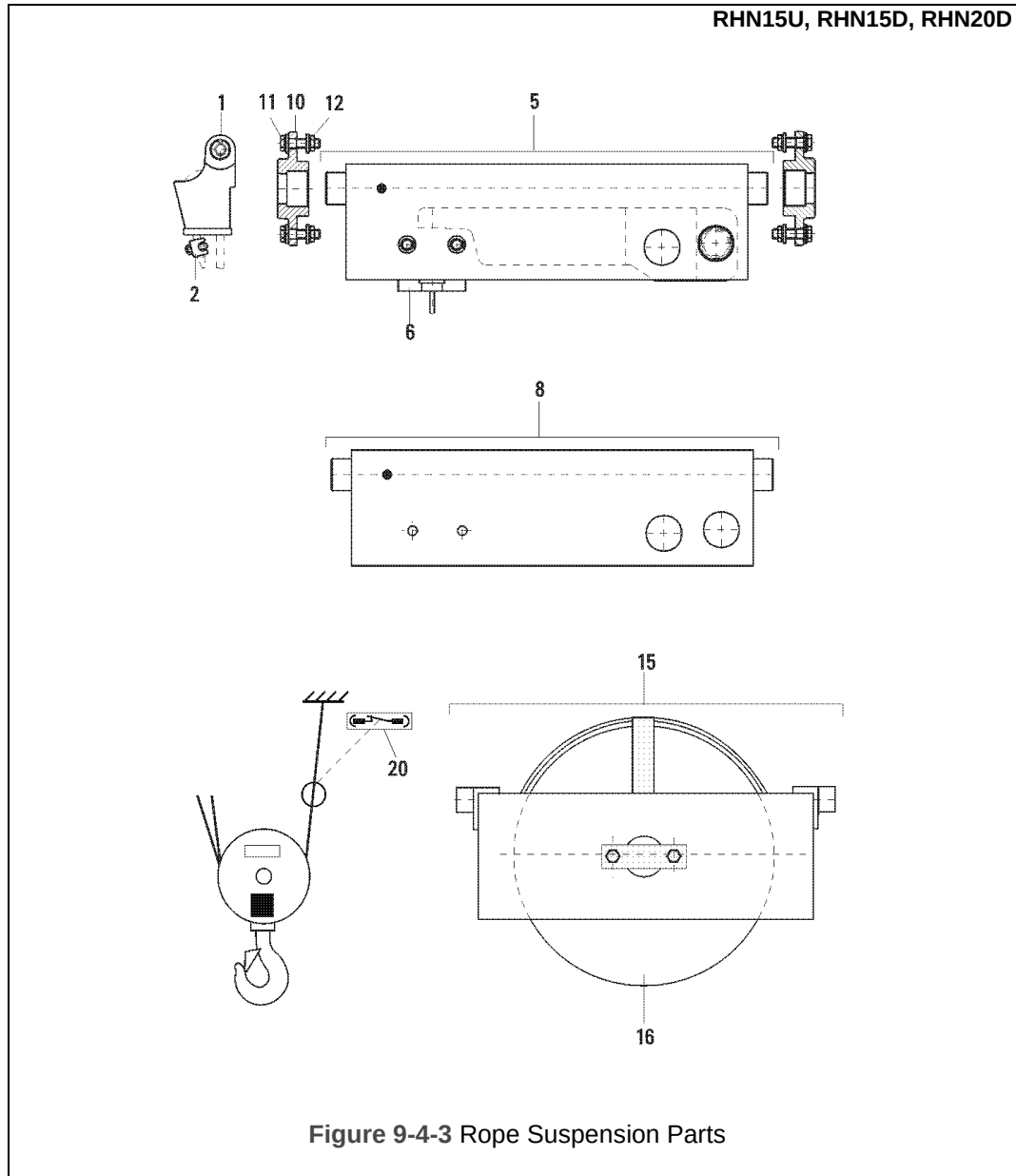
Figure 9-4-2 Rope Suspension Parts (Trolley)

9.4 Rope Suspension Parts

Figure No.	Part Name	Parts Per Hoist	RHN02	RHN03	RHN05	RHN08	RHN10
1	Suspension, 4/1	1	RHN0033				
2	Suspension, 4/1	1			RHN0119		
3	Suspension, 4/1	1				RHN0187	
8	Deflection cross bar	1	RHN0035		RHN0121		RHN0189
9	Rope pulley	1	RHN0032		RHN0118		RHN0191
10	Bushing	2	RHN0034		RHN0120		RHN0186
12	Load sensor assembly	1	RHN0037		RHN0123		RHN0194
13	Load sensor (SLE21 ONLY)	1	RHN0552		RHN0553		RHN0556
	Load sensor (SLE22 and SLE21 ¹)		RHN0562		RHN0563		RHN0566
20	Block operated limit switch (BLS)	1	RHN0550				

1 Not all leads utilized on SLE21

9.4 Rope Suspension Parts



9.4 Rope Suspension Parts

Figure No.	Part Name	Parts Per Hoist	RHN15U	RHN15D	RHN20D
1	Clamp	1	RHN0324	RHN0253	
2	Wire rope clamp	1	RHN0329	RHN0254	
5	Load sensor assembly	1	RHN0332	RHN0255	
6	Load sensor (SLE21 ONLY)	1	RHN0559		
	Load sensor (SLE22 and SLE21 ¹)		RHN0569		
8	Rope suspension	1	RHN0334	RHN0257	
10	Bearing pedestal	4	RHN0325	RHN0258	
11	Safety bolt	8	9093372		
12	Locknut	8	9098511		
15	Deflection cross bar	1	RHN0326	RHN0259	
16	Rope pulley	1	RHN0327	RHN0260	
20	Block operated limit switch	1	RHN0550		

1 Not all leads utilized on SLE21

9.5 Hook Block Parts

RHN02, RHN03, RHN05, RHN08, RHN10

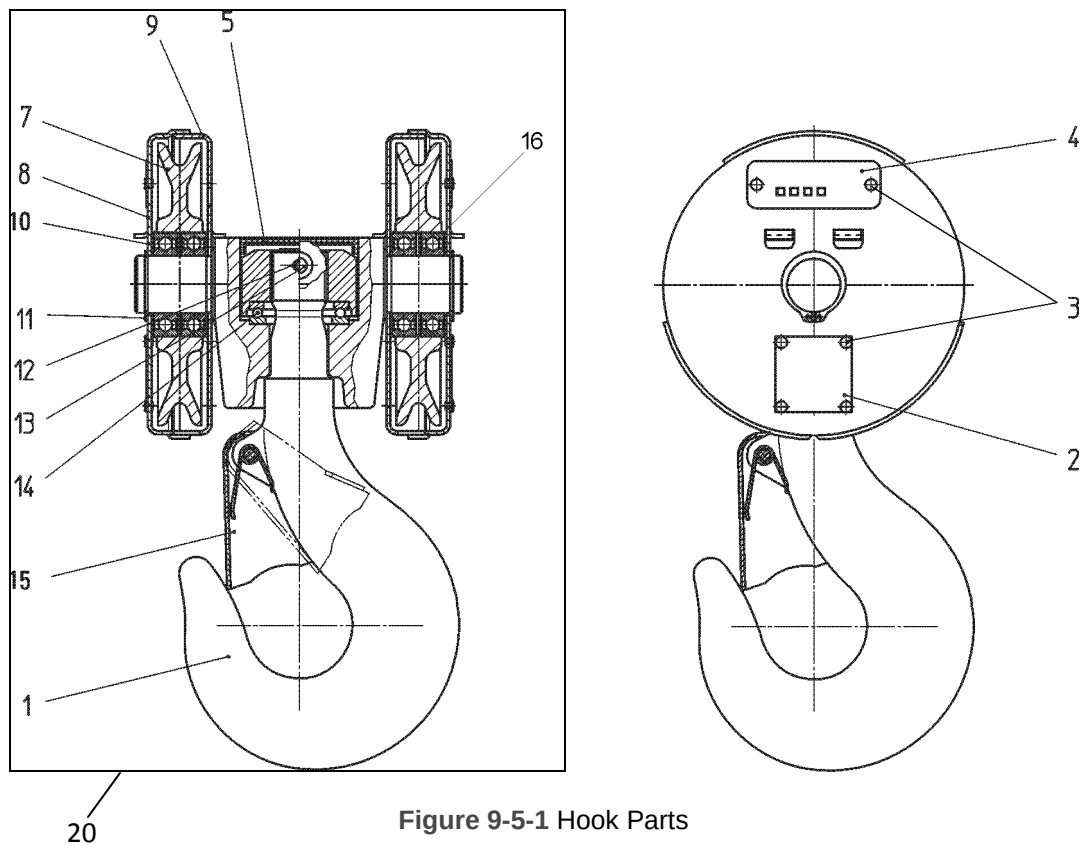


Figure 9-5-1 Hook Parts

9.5 Hook Block Parts

Figure No.	Part Name	Parts Per Hoist	RHN02	RHN03	RHN05	RHN08	RHN10
20	2-10 Ton Hook Block	1	RHN0053		RHN0128	RHN0197	
	1 Load hook	1	RHN0054		RHN0130	RHN0201	
	5 End cap	1	RHN0057		RHN0132		
	7 Rope pulley	2	RHN0032		RHN0118	RHN0191	
	8 Protection hood	2	RHN0059		RHN0133	RHN0198	
	9 Protection hood	2	RHN0060		RHN0134	RHN0199	
	10 Washer	4	9098802		9098804		
	11 Snap Ring	2	9047130		9047145	9047150	
	12 Dowel sleeve*	1	91481172		91481173	*Included in Item #1	
	13 Plug	2	RHN0061		RHN0125		
	14 Axial bearing*	1	9001219		9001220	*Included in Item #1	
	15 Safety catch	1	RHN0062		RHN0131		
	16 Grooved ball bearing	4	RHN0063		9000509	9001226	
	2	Name plate	2	RHN0620			RHN0640
3	Blind rivet	8	RHN0050				
4	Capacity plate	2	RHN0049	RHN0056	RHN0135	RHN0202	RHN0203

9.5 Hook Block Parts

RHN15D, RHN20D

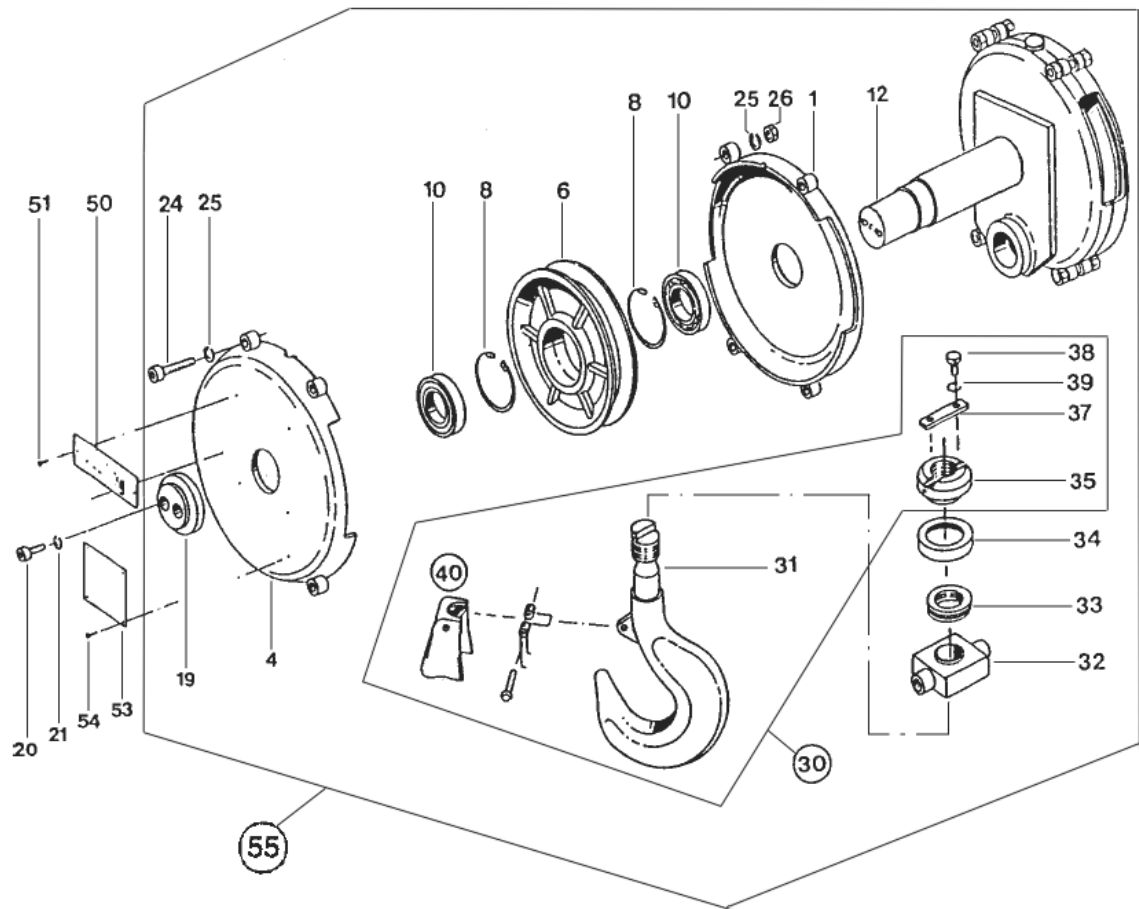


Figure 9-5-2 Hook Parts

9.5 Hook Block Parts

Figure No.	Part Name	Parts Per Hoist	RHN15	RHN20
55	RHN15D and RHN20D Bottom Hook Block	1	RHN0271	
1	Side cheek	2	RHN0272	
4	Protection hood	2	RHN0273	
6	Rope pulley	2	RHN0260	
8	Locking ring	4	RHN0275	
10	Grooved ball bearing	4	9001225	
12	Axle	1	RHN0276	
19	Retaining disc	2	RHN0277	
20	Socket head cap screw	4	90912112	
21	Spring washer	4	9798007	
24	Socket head cap screw	8	9691206	
25	Spring washer	16	9798007	
26	Hexagonal nut	8	9093433	
32	Traverse	1	RHN0280	
33	Axial bearing	1	9001222	
34	Guard plate	1	RHN0281	
30	Load hook assembly	1	RHN0278	
31	Load hook attachment	1	RHN0279	
35	Nut	1	RHN0282	
37	Locking plate	1	RHN0283	
38	Hexagon head cap screw	2	9093348	
39	Spring washer	2	9012712	
40	Safety catch	1	RHN0284	
50	Capacity Plate	2	RHN0354	RHN0285
51	Blind rivet	4	RHN0050	
53	Name plate	2	RHN0641	
54	Blind rivet	8	RHN0050	

9.5 Hook Block Parts

RHN15U

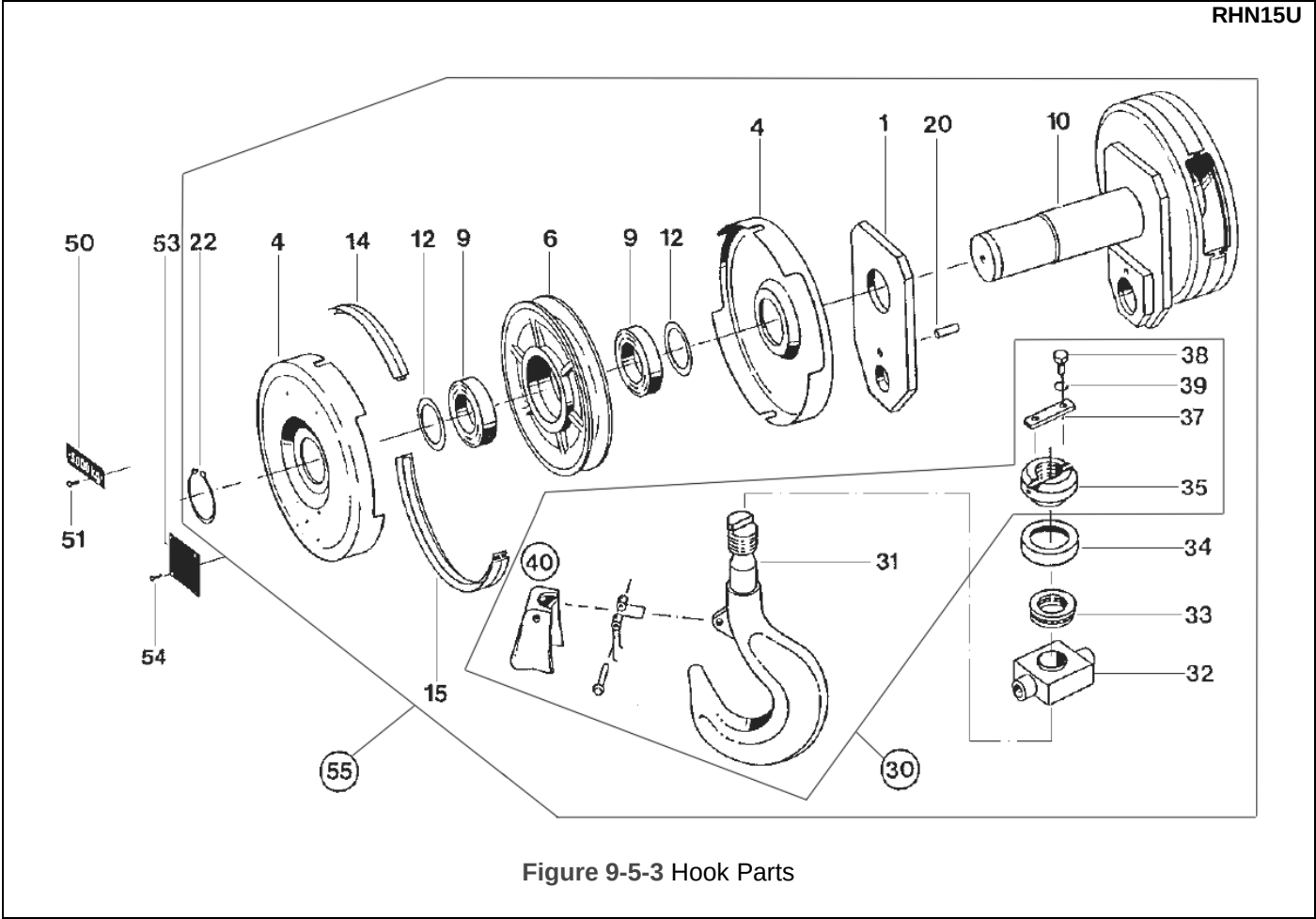
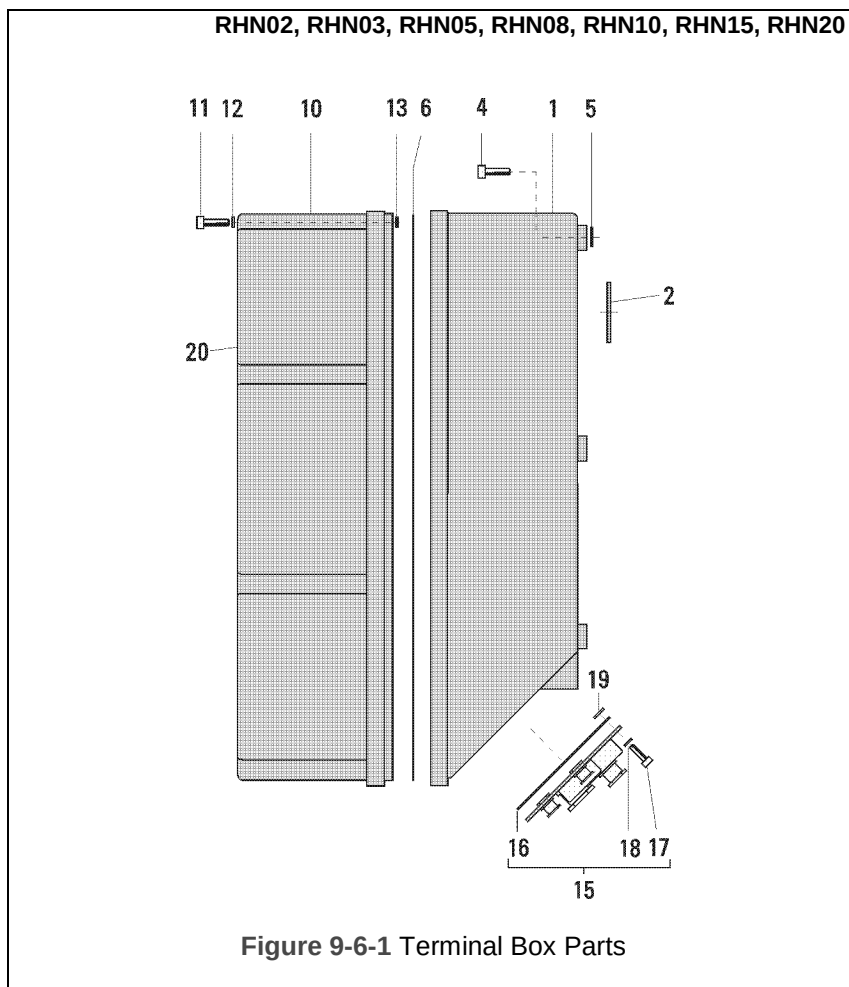


Figure 9-5-3 Hook Parts

9.5 Hook Block Parts

Figure No.	Part Name	Parts Per Hoist	RHN15U
55	RHN15U Bottom Hook Block	1	RHN0335
1	Side cheek	2	RHN0336
4	Protection hood	4	RHN0337
6	Rope pulley	2	RHN0327
9	Grooved ball bearing	4	9000612
10	Axle	1	RHN0338
12	Adjusting washer	4	9098807
14	Joining element	2	RHN0340
15	Joining element	2	RHN0341
20	Pin	2	RHN0342
22	Locking ring	2	9047193
32	Traverse	1	RHN0346
33	Axial bearing	1	9001227
34	Guard plate	1	RHN0347
30	Load hook assembly	1	RHN0345
31	Load hook attachment	1	-
35	Nut	1	-
37	Locking plate	1	RHN0350
38	Hexagon head cap screw	2	9093347
39	Spring washer	2	9012712
40	Safety catch	1	RHN0353
50	Capacity Plate	2	RHN0354
51	Blind rivet	4	RHN0050
53	Name plate	2	RHN0645
54	Blind rivet	8	RHN0050

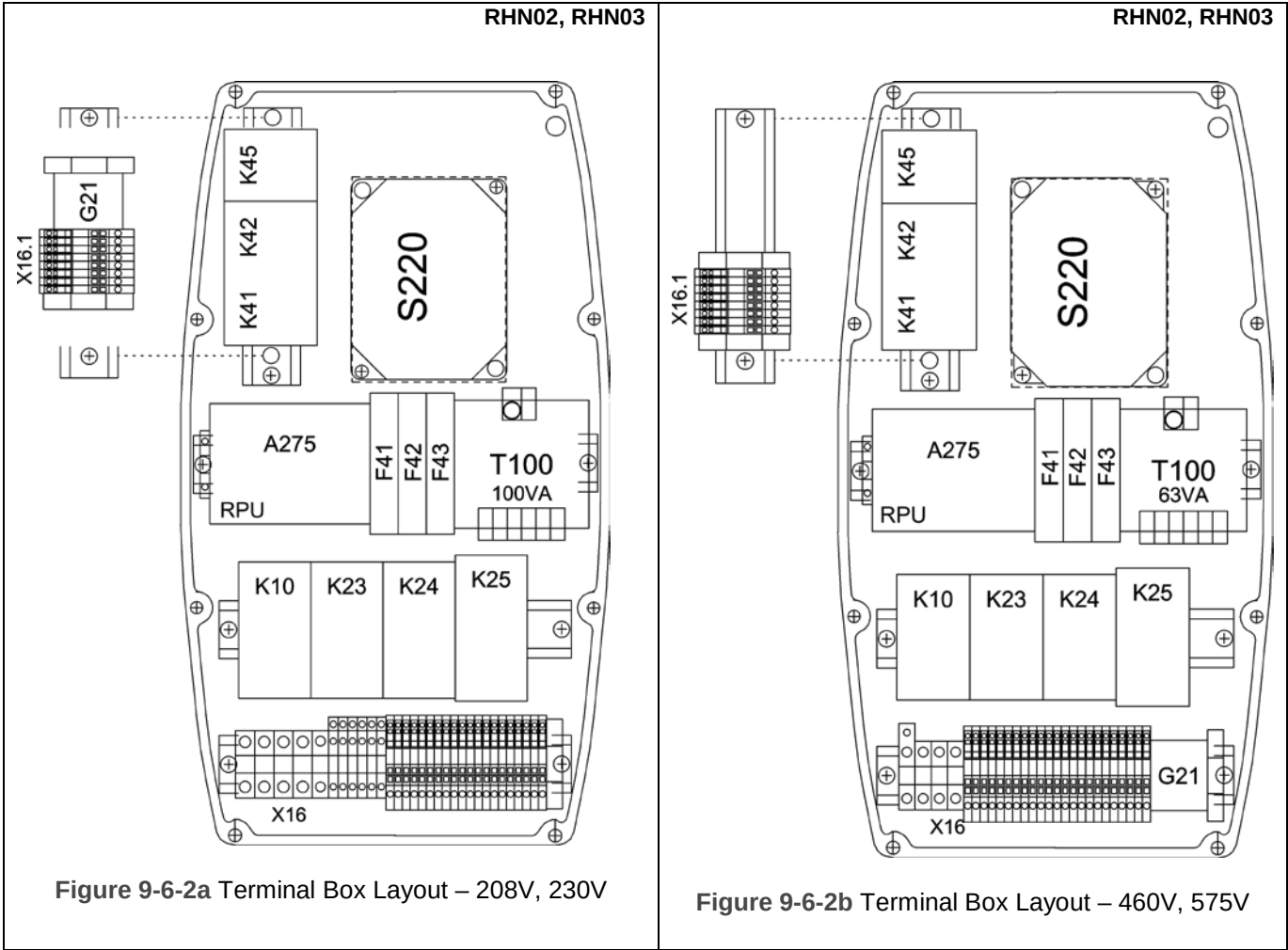
9.6 Terminal Box Parts



9.6 Terminal Box Parts

Figure No.	Part Name	Parts Per Hoist	RHN02	RHN03	RHN05	RHN08	RHN10	RHN15	RHN20
1	Terminal box	1	RHN0065			RHN0205		RHN0287	
2	Sealing ring	1	RHN0066			RHN0206		RHN0288	
4	Socket head cap screw	4 *	9093307			9091274 (*Qty=6)		9091273(*Qty=8)	
5	Round sealing ring	6				RHN0207		RHN0289	
6	Seal	1	RHN0067			RHN0208		RHN0290	
10	Box cover	1	RHN0068			RHN0209		RHN0291	
11	Socket head cap screw	8	9091229						
12	Lock washer	8	9012708						
13	Round sealing ring	8	RHN0069						
15	Flange plate	1	RHN0070			RHN0211		RHN0293	
	16 Seal	1	RHN0071			RHN0212		RHN0288	
	17 Socket head cap screw	7	9691203					9691205	
	18 Washer	7	9012510					9012513	
	19 Locking nut	7	9098503					9098506	
20	Capacity label	1	RHN0630	RHN0631	RHN0632	RHN0633	RHN0634	RHN0635	RHN0636

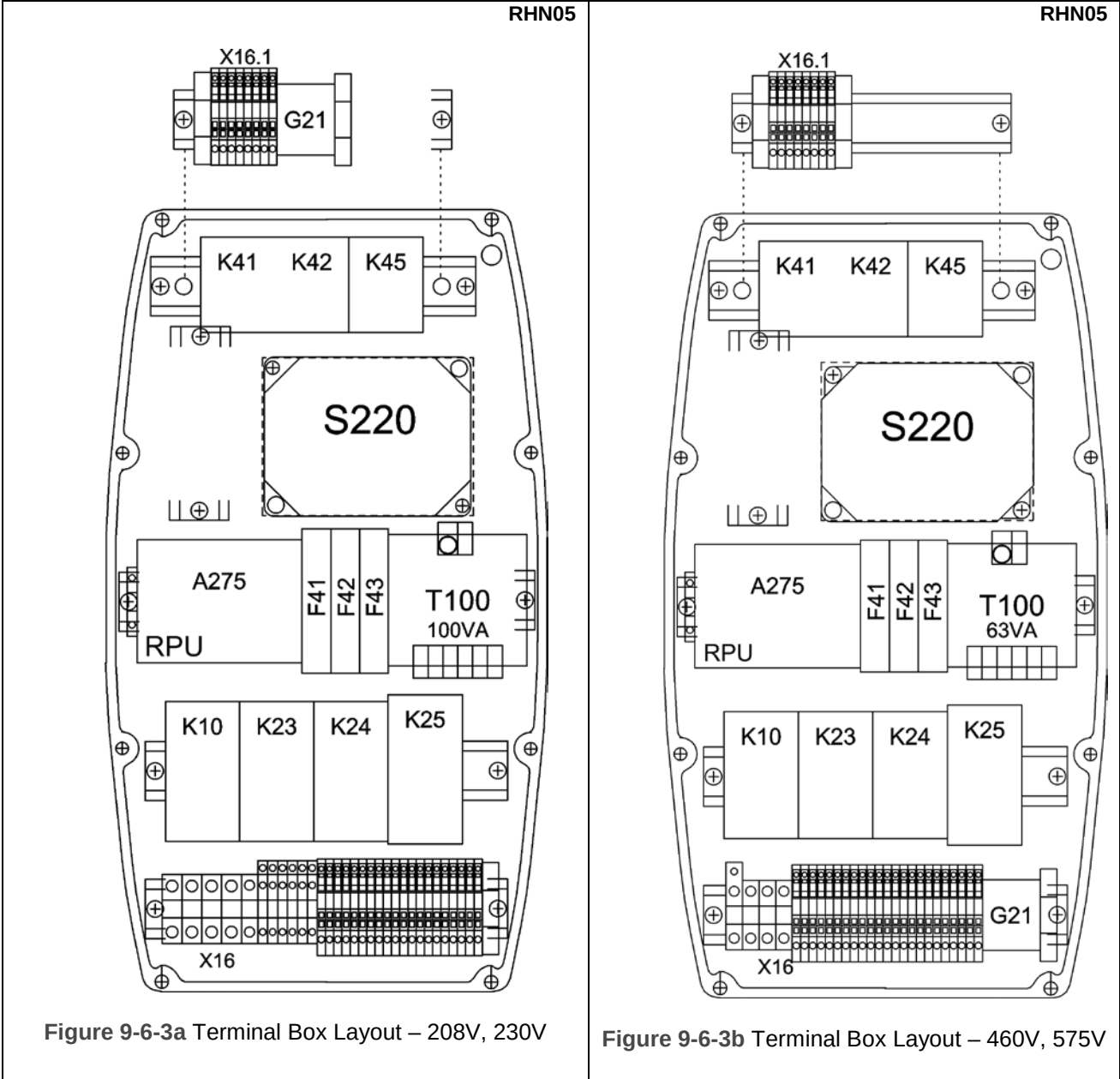
9.6 Terminal Box Parts



9.6 Terminal Box Parts

Component No.	Part Name	Parts Per Hoist	RHN02, RHN03	
			208, 230V	460, 575V
A275	RPU Overload Device (SLE21)	1	RHN0500	RHN0500
	RPU Overload Device (SLE22)		RHN0575	RHN0575
F41-F43	Fuse Holder	3	RHN0501	RHN0501
	Fuse Link	3	RHN0529	RHN0502
G21	Rectifier	1	RHN0503	RHN0503
K10	Contactor, Mainline	1	RHN0519	RHN0506
	Auxiliary Contact Block	1	RHN0505	RHN0505
K23-K24	Contactor, Hoist Directional	2	RHN0519	RHN0506
	Auxiliary Contact Block	2	RHN0507	RHN0507
K25	Contactor, Hoist Speed	1	RHN0520	RHN0508
K41-K42	Contactor, Trolley Directional	1	RHN0509	RHN0509
K45	Contactor, Trolley Speed	1	RHN0510	RHN0510
S220	Gear-Type Limit Switch	1	RHN0511	RHN0511
T100	Transformer*	1	RHN0539	RHN0512 (*460V)
				RHN0513 (*575V)
N/A	Transformer Fuse	1	9006279	
X16	PE-Terminal	1	RHN0527	RHN0514
	Terminal	3	RHN0526	RHN0515
	PE -Terminal	1	RHN0525	
	Terminal	6	RHN0540	
	PE -Terminal	4*	RHN0516 (*Qty=3)	RHN0516
	Terminal	19*	RHN0517 (*Qty=17)	RHN0517
X16.1	PE -Terminal	2	RHN0516	RHN0516
	Terminal	6	RHN0517	RHN0517

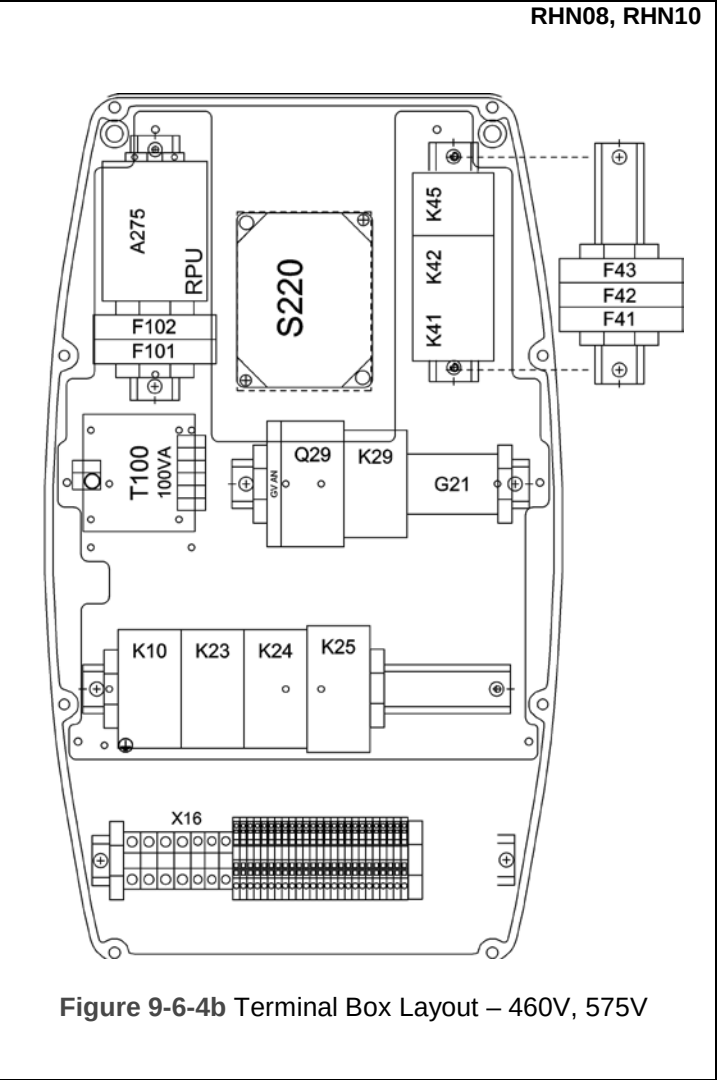
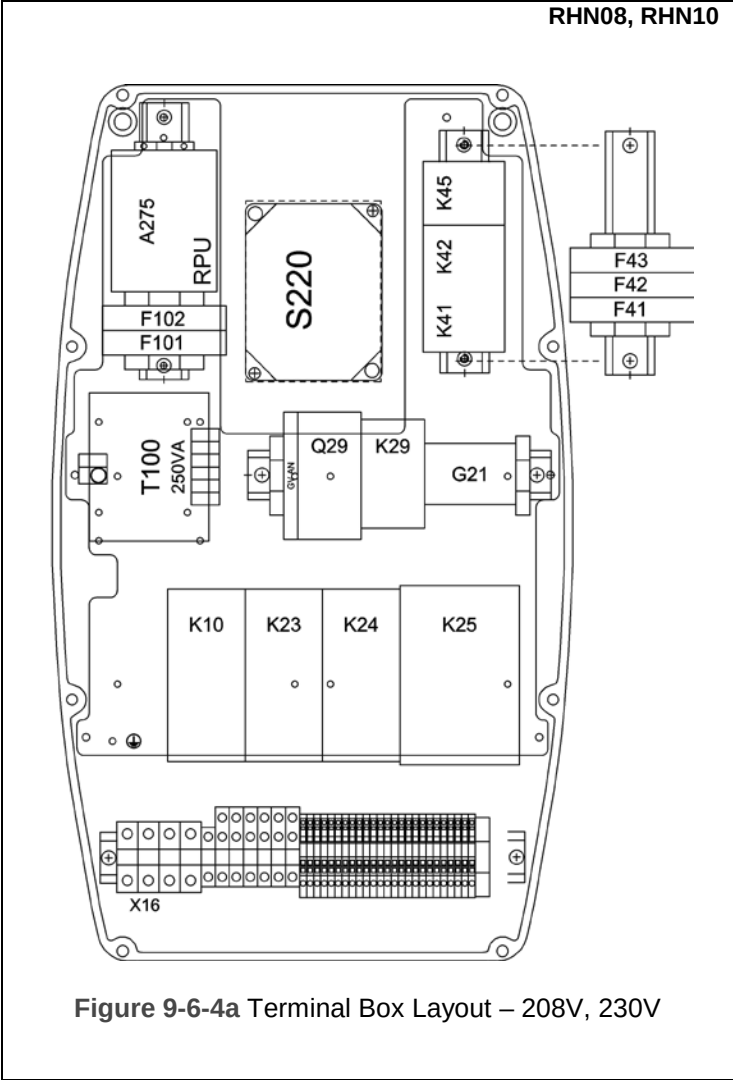
9.6 Terminal Box Parts



9.6 Terminal Box Parts

Component No.	Part Name	Parts Per Hoist	RHN05	
			208, 230V	460, 575V
A275	RPU Overload Device (SLE21)	1	RHN0500	RHN0500
	RPU Overload Device (SLE22)		RHN0575	RHN0575
F41-F43	Fuse Holder	3	RHN0501	RHN0501
	Fuse Link	3	RHN0529	RHN0502
G21	Rectifier	1	RHN0503	RHN0503
K10	Contact, Mainline	1	RHN0519	RHN0506
	Auxiliary Contact Block	1	RHN0505	RHN0505
K23-K24	Contact, Hoist Directional	2	RHN0519	RHN0506
	Auxiliary Contact Block	2	RHN0507	RHN0507
K25	Contact, Hoist Speed	1	RHN0520	RHN0508
K41-K42	Contact, Trolley Directional	1	RHN0509	RHN0509
K45	Contact, Trolley Speed	1	RHN0510	RHN0510
S220	Gear-Type Limit Switch	1	RHN0511	RHN0511
T100	Transformer*	1	RHN0546	RHN0512 (*460V)
				RHN0513 (*575V)
N/A	Transformer Fuse	1	9006202	9006279
X16	PE -Terminal	1	RHN0527	RHN0514
	Terminal	3	RHN0526	RHN0515
	PE -Terminal	1	RHN0525	
	Terminal	6	RHN0540	
	PE -Terminal	4*	RHN0516 (*Qty=3)	RHN0516
	Terminal	19*	RHN0517 (*Qty=17)	RHN0517
X16.1	PE -Terminal	2	RHN0516	RHN0516
	Terminal	6	RHN0517	RHN0517

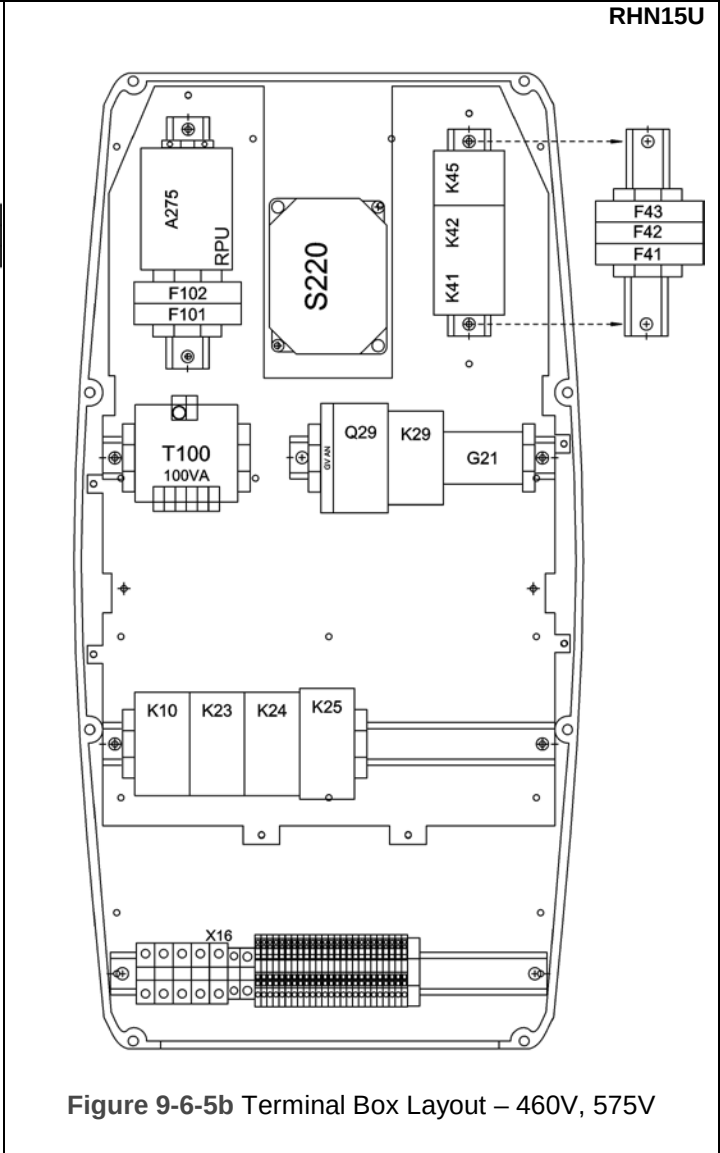
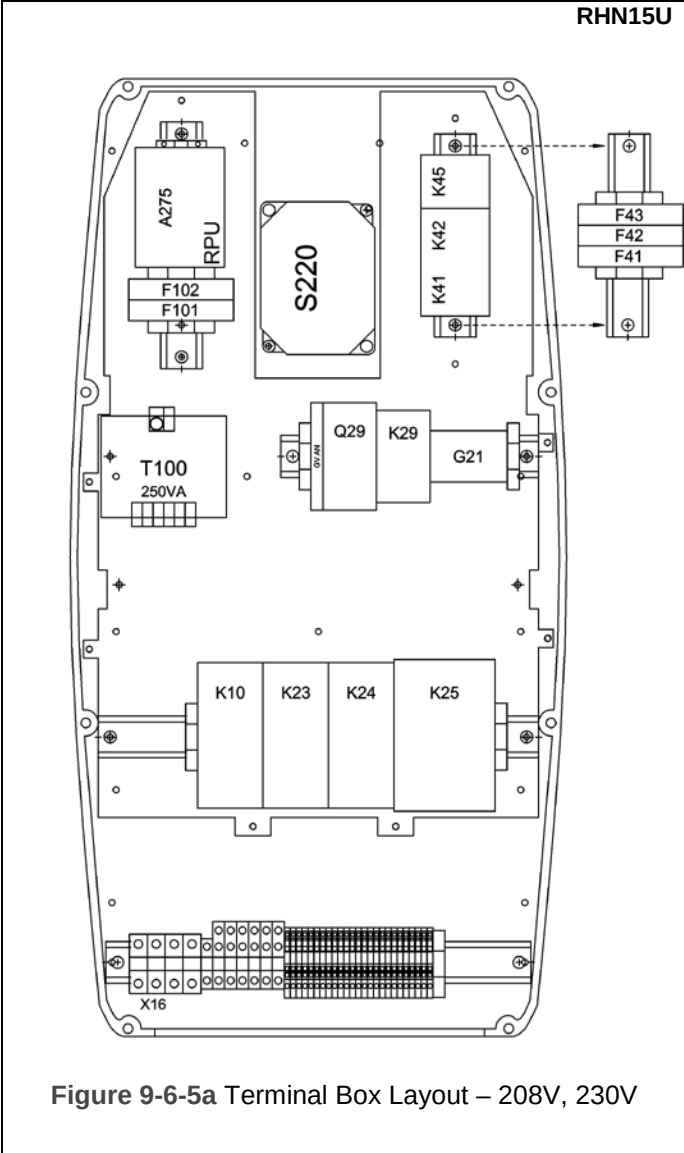
9.6 Terminal Box Parts



9.6 Terminal Box Parts

Component No.	Part Name	Parts Per Hoist	RHN08, RHN10	
			208, 230V	460, 575V
A275	RPU Overload Device (SLE21)	1	RHN0500	RHN0500
	RPU Overload Device (SLE22)		RHN0575	RHN0575
F41-F43	Fuse Holder	3	RHN0501	RHN0501
	Fuse Link	3	RHN0529	RHN0502
F101-F102	Fuse Holder	2	RHN0501	RHN0501
	Fuse Link	2	RHN0541	RHN0518
G21	Rectifier	1	RHN0542	RHN0504
K10	Contactor, Mainline	1	RHN0543	RHN0519
K23-K24	Contactor, Hoist Directional	2	RHN0543	RHN0519
	Auxiliary Contact Block	1	RHN0505	RHN0505
K25	Contactor, Hoist Speed	1	RHN0537	RHN0520
K29	Contactor, Hoist Brake	1	RHN0528	RHN0528
K41-K42	Contactor, Trolley Directional	1	RHN0509	RHN0509
K45	Contactor, Trolley Speed	1	RHN0510	RHN0510
Q29	Circuit Breaker	1	RHN0544	RHN0521
	Auxiliary Contact Block	1	RHN0521	RHN0522
S220	Gear-Type Limit Switch	1	RHN0511	RHN0511
T100	Transformer*	1	RHN0545	RHN0523 (*460V)
				RHN0524 (*575V)
N/A	Transformer Fuse	1	9006278	9006202
X16	PE -Terminal	1	RHN0530	RHN0527
	Terminal	3	RHN0531	RHN0526
	PE -Terminal	1	RHN0525	RHN0525
	Terminal	2*	RHN0533 (*Qty=6)	RHN0515
	PE -Terminal	5	RHN0516	RHN0516
	Terminal	20	RHN0517	RHN0517

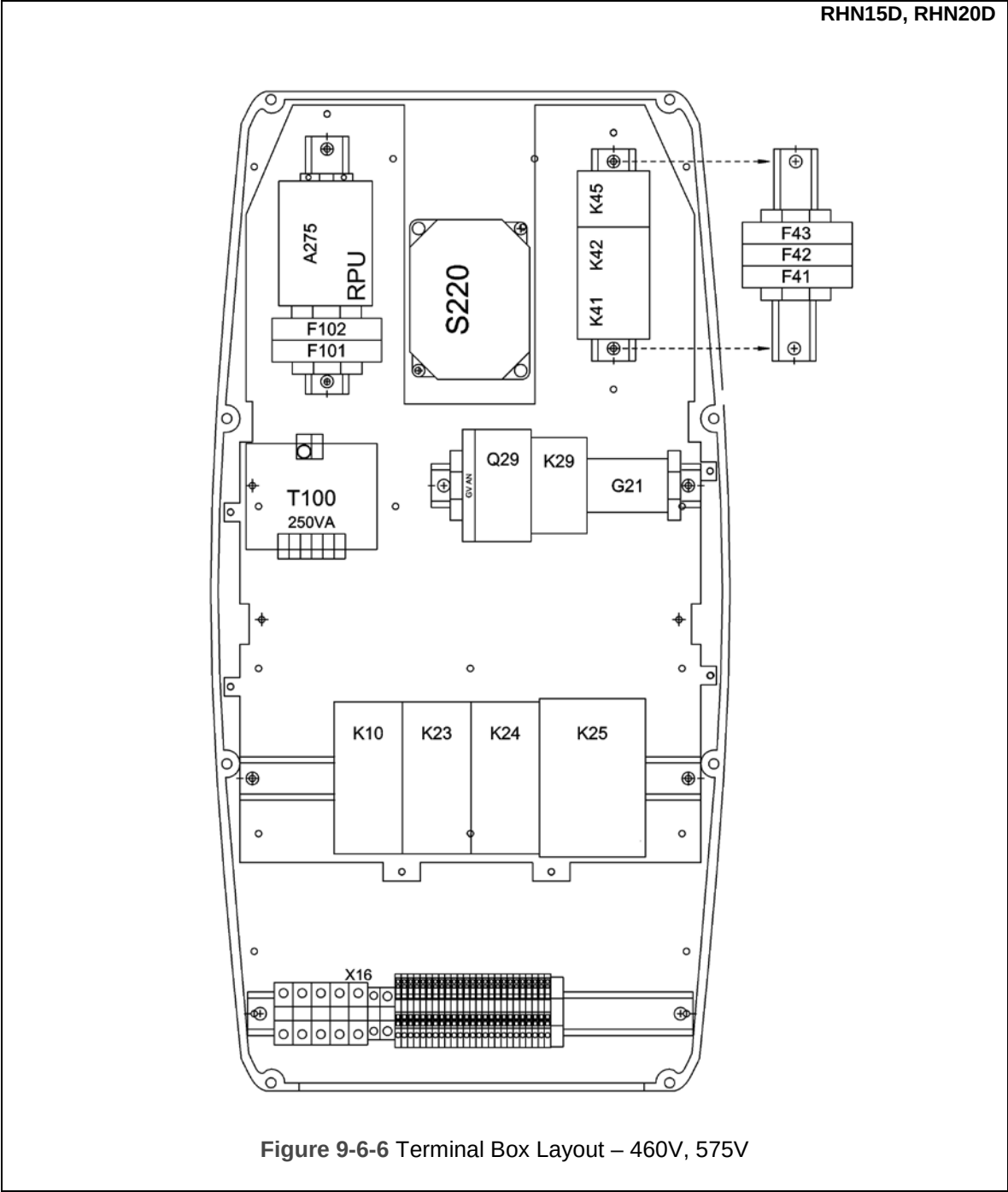
9.6 Terminal Box Parts



9.6 Terminal Box Parts

Component No.	Part Name	Parts Per Hoist	RHN15U	
			208, 230V	460, 575V
A275	RPU Overload Device (SLE21)	1	RHN0500	RHN0500
	RPU Overload Device (SLE22)		RHN0575	RHN0575
F41-F43	Fuse Holder	3	RHN0501	RHN0501
	Fuse Link	3	RHN0529	RHN0529
F101-F102	Fuse Holder	2	RHN0501	RHN0501
	Fuse Link	2	RHN0541	RHN0518
G21	Rectifier	1	RHN0542	RHN0504
K10	Contactor, Mainline	1	RHN0543	RHN0519
K23-K24	Contactor, Hoist Directional	2	RHN0543	RHN0519
	Auxiliary Contact Block	1	RHN0505	RHN0505
K25	Contactor, Hoist Speed	1	RHN0537	RHN0520
K29	Contactor, Hoist Brake	1	RHN0528	RHN0528
K41-K42	Contactor, Trolley Directional	1	RHN0509	RHN0509
K45	Contactor, Trolley Speed	1	RHN0510	RHN0510
Q29	Circuit Breaker	1	RHN0544	RHN0522
	Auxiliary Contact Block	1	RHN0521	RHN0521
S220	Gear-Type Limit Switch	1	RHN0511	RHN0511
T100	Transformer	1	RHN0545	RHN0523 (*460V)
				RHN0524 (*575V)
N/A	Transformer Fuse	1	9006278	9006202
X16	PE -Terminal	1	RHN0530	RHN0530
	Terminal	3	RHN0531	RHN0531
	PE -Terminal	1	RHN0525	RHN0527
	Terminal	2*	RHN0533 (*Qty=6)	RHN0515
	PE -Terminal	5	RHN0516	RHN0516
	Terminal	20	RHN0517	RHN0517

9.6 Terminal Box Parts



9.6 Terminal Box Parts

Component No.	Part Name	Parts Per Hoist		RHN15D, RHN20D
A275	RPU Overload Device (SLE21)	1		RHN0500
	RPU Overload Device (SLE22)			RHN0575
F41-F43	Fuse Holder	3		RHN0501
	Fuse Link	3		RHN0529
F101-F102	Fuse Holder	2		RHN0501
F101-F102	Fuse Link	2		RHN0502
G21	Rectifier	1		RHN0504
K10	Contactor, Mainline	1		RHN0536
K23-K24	Contactor, Hoist Directional	2		RHN0536
	Auxiliary Contact Block	1		RHN0505
K25	Contactor, Hoist Speed	1		RHN0537
K29	Contactor, Hoist Brake	1		RHN0528
K41-K42	Contactor, Trolley Directional	1		RHN0509
K45	Contactor, Trolley Speed	1		RHN0510
Q29	Circuit Breaker	1		RHN0522
Q29	Auxiliary Contact Block	1		RHN0521
S220	Gear-Type Limit Switch	1		RHN0511
T100	Transformer	4V	1	RHN0534
		5V		RHN0535
N/A	Transformer Fuse	1		9006278
X16	PE-Terminal	1		RHN0532
	Terminal	3		RHN0533
	PE-Terminal	1		RHN0527
	Terminal	2		RHN0515
	PE-Terminal	5		RHN0516
	Terminal	20		RHN0517

9.7 Trolley Parts

RHN02, RHN03, RHN05, RHN08, RHN10, RHN15

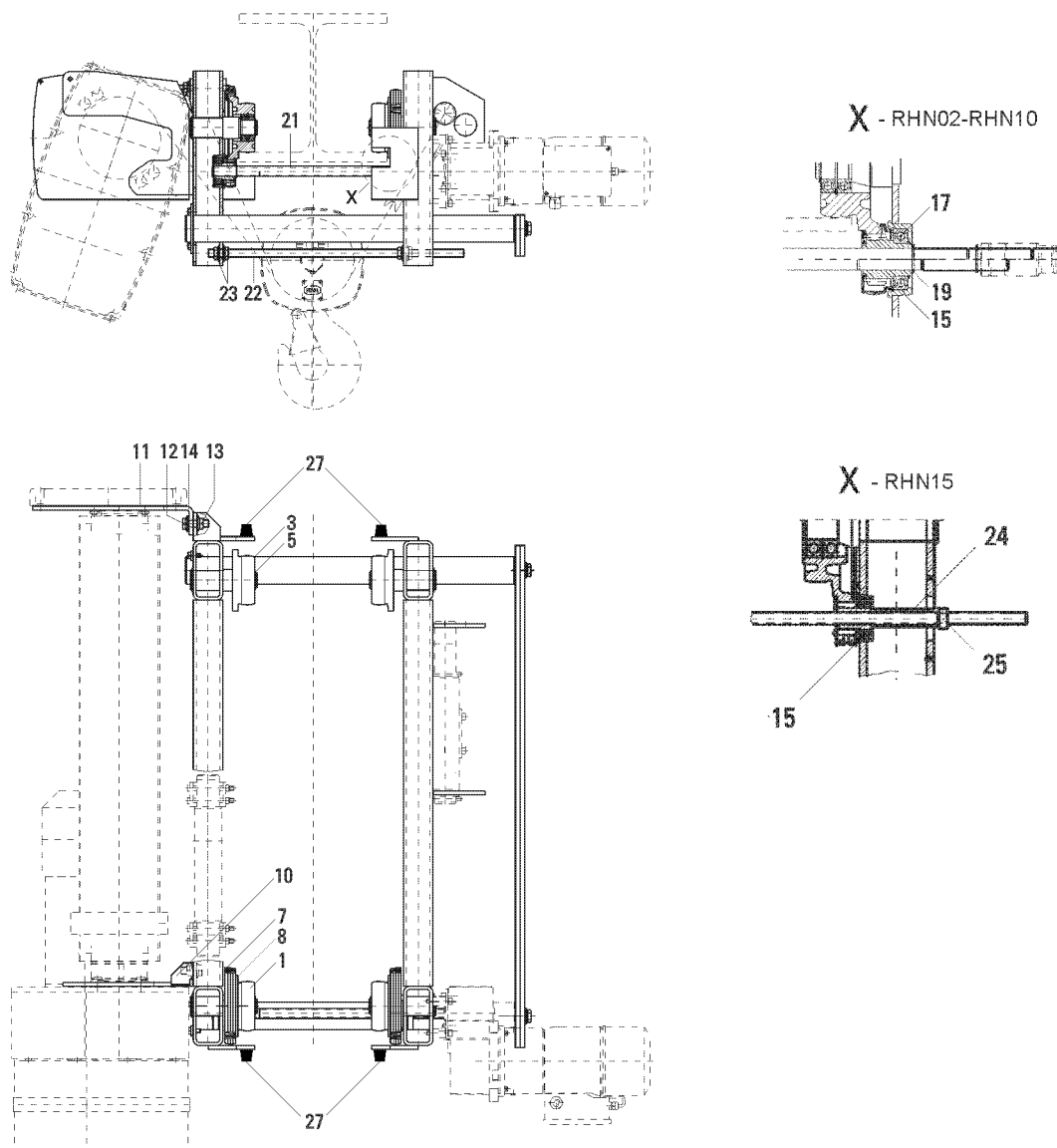


Figure 9-7-1 Trolley Parts

9.7 Trolley Parts

Figure No.	Part Name	Parts Per Hoist	RHN02	RHN03	RHN05	RHN08	RHN10	RHN15
1	Wheel, Drive	2	RHN0072		RHN0138	RHN0213		RHN0295
5	Snap ring, external	2	9047120		9047130	9047140		9047165
3	Wheel, Non Drive	2	RHN0073		RHN0139	RHN0214		RHN0296
5	Snap ring, external	2	9047120		9047130	9047140		9047165
7	Wheel cover	2	RHN0074		RHN0140	RHN0215		RHN0297
8	Wheel cover*	2	RHN0075		RHN0141	RHN0216		*Included in #7
10	Support plate	1	RHN0076		RHN0142	RHN0217		-
11	Support plate	1	RHN0077		RHN0143	RHN0218		-
12	Screw	4	RHN0078		RHN0144	RHN0219		
13	Nut	4	9098516			9093452		
14	Lock washer	8				9012719		
15	Flange bearing complete	2	RHN0079					RHN0298
17	Grooved ball bearing	2	9000506					
19	Snap ring, external	4	9047191					
21	Drive shaft, length:390mm; flange:82-195mm (3.25-7.68")	1	RHN0080					
	Drive shaft, length:390mm; flange:92-195mm (3.63-7.68")			RHN0080				
	Drive shaft, length 495mm; flange:196-306mm (7.72"-12.05")		RHN0081					
	Drive shaft, length 595mm; flange: 307-400mm (12.09-15.71")		RHN0082					
	Drive shaft, length 695mm; flange: 401-500mm (15.75-19.69")		RHN0083					
	Drive shaft, length:505mm; flange:117-310mm (4.63-12.20")					RHN0221		
	Drive shaft, length:710mm; flange:311-500mm (12.24-19.69")					RHN0222		
	Drive shaft, length 510mm; flange:170-220mm (6.69"-8.66")							RHN0301
	Drive shaft, length 740mm; flange: 221-400mm (8.70"-15.75")							RHN0302
	Drive shaft, length:780mm; flange:401-500mm (15.79-19.69")							RHN0303
22	Threaded bolt	2	RHN0084					
23	Locking nut	8	9098516					
24	Distance pipe	1						RHN0299
25	Adjusting ring	1						RHN0300
27	Trolley bumper	4	RHN0145			RHN0204		RHN0314

9.8 Trolley Motor & Gear Box Assembly Parts

RHN02, RHN03, RHN05, RHN08, RHN10, RHN15U

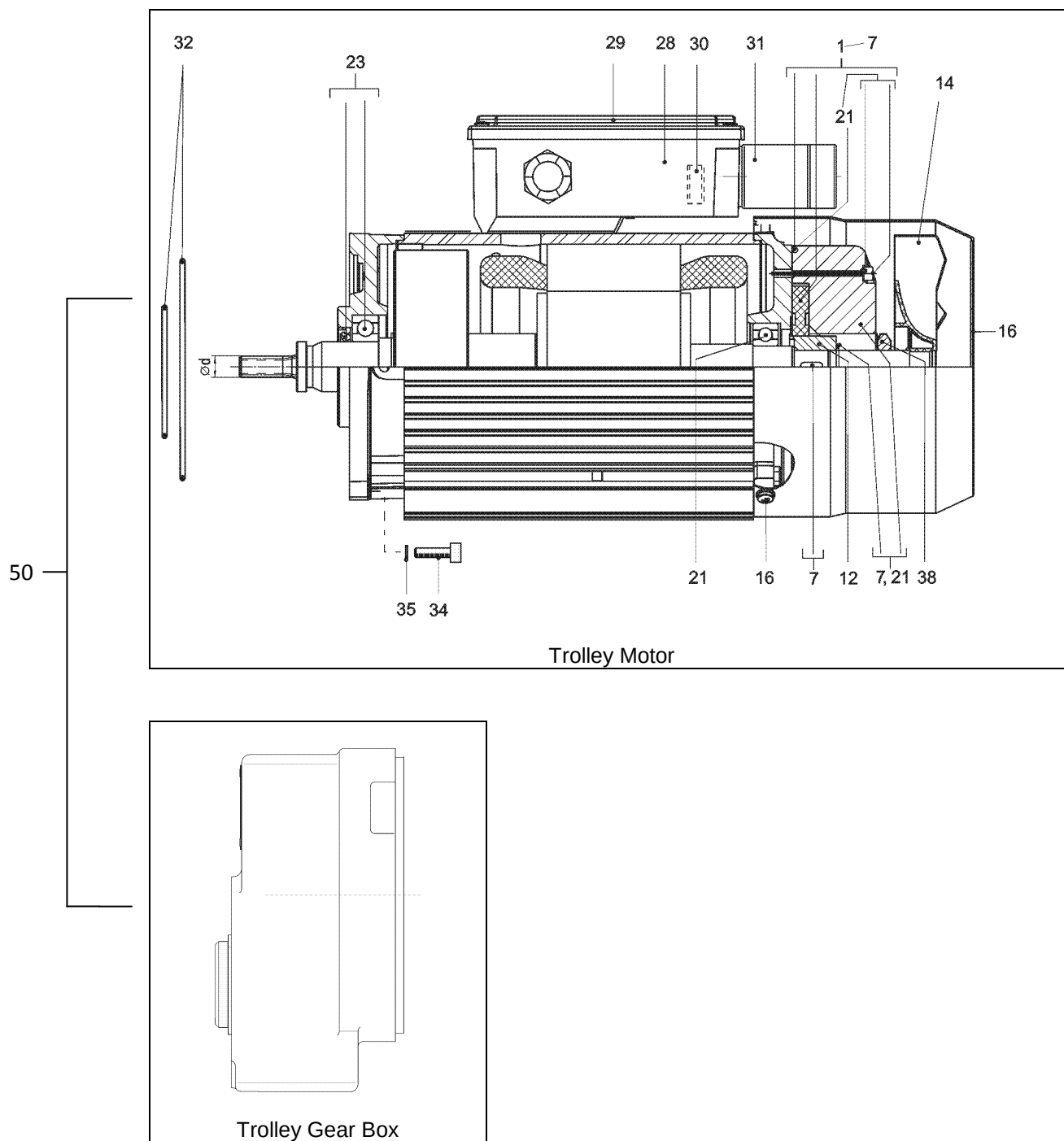


Figure 9-8-1 Trolley Motor & Gear Box Assembly (Dual Speed-80/20 fpm)

9.8 Trolley Motor & Gear Box Assembly Parts

Figure No.	Part Name	Parts Per Hoist		RHN02	RHN03	RHN05	RHN08	RHN10	RHN15
50	TROLLEY MOTOR & GEAR BOX ASSEMBLY ¹ , DUAL SPEED – 80 / 20 fpm	1V	1	RHN0725			RHN0728		RHN0731
		2V		RHN0726			RHN0729		RHN0732
		4V		RHN0425			RHN0426		RHN0427
		5V		RHN0727			RHN0730		RHN0733
7	Brake kit ²	1V	1	RHN0388			RHN0403		RHN0407
		2V		RHN0389			RHN0404		RHN0408
		4V							
	1	Brake rotor kit ³		1	RHN0406				
12	Nut	1		RHN0390					RHN0409
14	Fan wheel	1		RHN0391					RHN0410
16	Fan cover kit ⁴	1		RHN0392					RHN0411
21	Bearing kit (Inc. 3-5,8,9)	1		RHN0393					RHN0412
23	Bearing kit ⁵	1		RHN0394					RHN0413
28	Terminal box	1		RHN0395					
29	Terminal box lid	1		RHN0396					
30	Rectifier	1V	1	RHN0397					
		2V 4V 5V		RHN0398					
31	Plug connector	1		RHN0399					
32	Round sealing ring	1		RHN0400					
34	Socket head cap screw	4		9091250					9091294
35	Lock washer	4		9012709					9012712
38	Sealing ring	1		RHN401					RHN0414

1 Lubricant included

2 Brake kit includes brake rotor kit, brake, snap ring, and key

3 Brake rotor kit includes brake rotor, screws, and o-rings

4 Fan cover kit includes fan cover, screws, and lock washers

5 Bearing kit includes bearing and shaft seal

NOTES

NOTES

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