

PARTS LIST
for



ELECTRIC CHAIN HOIST
(Dual Brake)

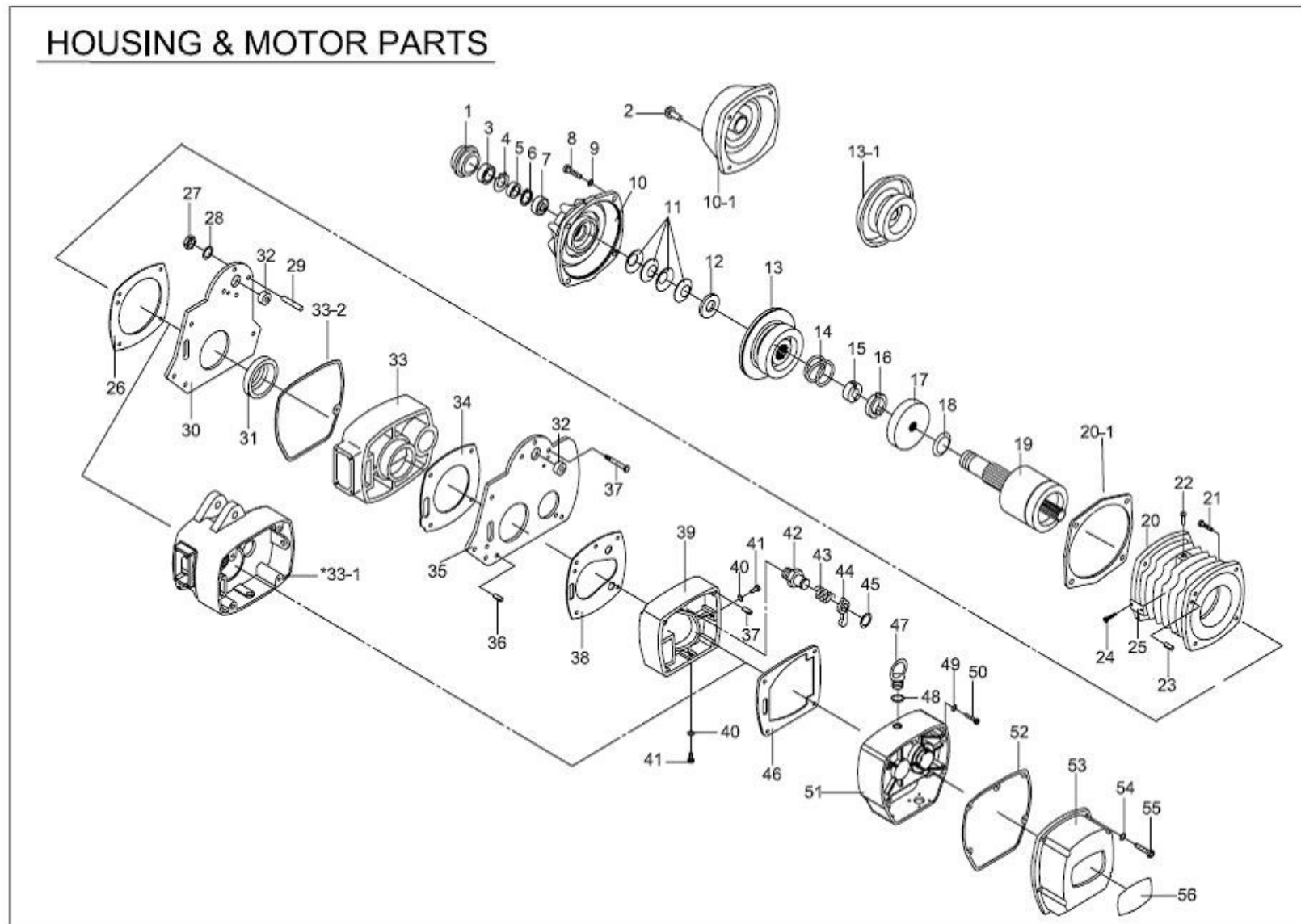
MODEL ECH

FOR CUSTOMER SATISFACTION ALWAYS USE FACTORY SPECIFICATION PARTS

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1. Housing & Motor Parts List



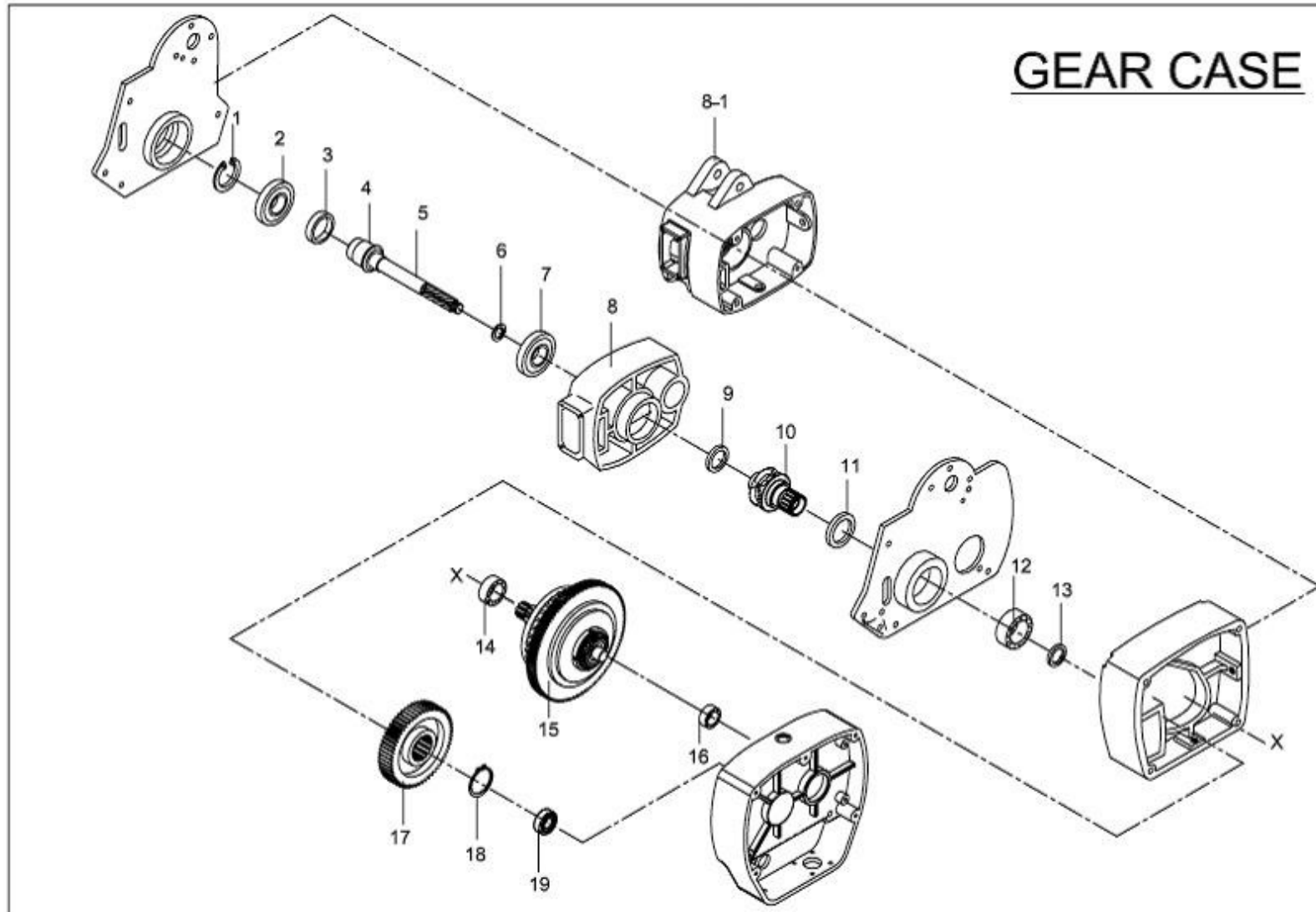
Housing & Case		Model Number ECH-															
#	Description	00518	00526	00544	01018	01026	01044	02018	02026	04009	04013	04026	06009	06017	10010	15007	20010
		Part Number															
1	Dust cover	101SKA										101SKB	101SKA	101SKB		101SKB x 2	
2	Dust cap	102SKA										102SKB	102SKA	102SKB		102SKB x 2	
3	Bearing nut	103SKA										103SKB	103SKA	103SKB		103SKB x 2	
4	External toothed washer	104SKA										104SKB	104SKA	104SKB		104SKB x 2	
5	Bush	105SKA										105SKB	105SKA	105SKB		105SKB x 2	
6	Cir clip	106SKA										106SKB	106SKA	106SKB		106SKB x 2	
7	Ball bearing	107SKA										107SKB	107SKA	107SKB		107SKB x 2	
8	Hex socket cap bolt	108SKA x 4										108SKB x 4	108SKA x 4	108SKB x 4		108SKB x 8	
9	Spring washer	109SKA x 4										109SKB x 4	109SKA x 4	109SKB x 4		109SKB x 8	
10	Brake cover (cast iron)	508SKA										508SKB	508SKA	508SKB		508SKB x 2	
10-1	Brake cover (aluminum)	-	D110SL	D110SH	-	D110SL	D110SH	D110SL	D110SH	D110SL	D110SH	D110SB	D110SH	D110SB		D110SB x 2	
11	Cone springs	113SKA x 4										113SKB x 4	113SKA x 4	113SKB x 4		113SKB x 8	
12	Thrust washer	114SKA										114SKB	114SKA	114SKB		114SKB x 2	
13	Brake drum cast iron	507SKA										507SKB	507SKA	507SKB		507SKB x 2	
13-1	Brake drum aluminum	115SKA										115SKB	115SKA	115SKB		115SKB x 2	
14	Brake Spring	116SKA										116SKB	116SKA	116SKB		116SKB x 2	

Housing & Case		Model Number ECH-															
#	Description	00518	00526	00544	01018	01026	01044	02018	02026	04009	04013	04026	06009	06017	10010	15007	20010
		Part Number															
15	Brake magnet locking sleeve	117SKA										117SKB	117SKA	117SKB		117SKB x 2	
16	Brake magnet split ring	118SKA x 2										118SKB x 2	118SKA x 2	118SKB x 2		118SKB x 4	
17	Brake magnet coil	119SKA										119SKB	119SKA	119SKB		119SKB x 2	
18	Cone springs	120SKA										120SKB	120SKA	120SKB		120SKB x 2	
19	Motor rotor and primary shaft	121SKA										121SKB	121SKA	121SKB		121SKB x 2	
20	Motor casing and stator	122SAH	122SAL	122SAH	122SAH	122SAL	122SAH	122SAL	122SAH	122SAL	122SAH	122SKB	122SAH	122SKB		122SKB x 2	
		D122SL	D122SL	D122SH	D122SL	D122SL	D122SH	D122SL	D122SH	D122SL	D122SH	D122SB	D122SH	D122SB		D122SB x 2	
20-1	Gasket	500SKA										500SKB					
21	Hex socket cap bolt	123SKA x 4										123SKB x 4	123SKA x 4	123SKB x 4		123SKB x 8	
22	Spring pin	124SKA										124SKB	124SKA	124SKB		124SKB x 2	
23	Locating spring pin	125SKA x 2										125SKB x 2	125SKA x 2	125SKB x 2		125SKB x 4	
24	Name plate rivet	126SKA x 2										126SKB x 2	126SKA x 2	126SKB x 2		126SKB x 2	
25	Motor name plate rivet	127SKA										127SKB	127SKA	127SKB		127SKB x 2	
26	Gasket B	131SKA										131SKB	131SKA	131SKB		131SKB x 2	
27	Hex nut	-										132SKB x 4	-	132SKB x 4		132SKB x 8	
28	Spring washer	-										133SKB x 4	-	133SKB x 4		133SKB x 8	
29	Sleeve	-										134SKB x 4	-	134SKB x 4		134SKB x 8	
30	Yoke plate B	-										135SKB	-	135SKB		135SKB x 2	

Housing & Case		Model Number ECH-															
#	Description	00518	00526	00544	01018	01026	01044	02018	02026	04009	04013	04026	06009	06017	10010	15007	20010
		Part Number															
31	Bearing seat B	-										136SKB	-	136SKB		136SKB x 2	
32	Upper hook bearing bush	-										137SKB x 2	-	137SKB x 2		137SKB x 4	
33	Chain wheel case	-										138SKB	-	138SKB		138SKB x 2	
33-1	Chain wheel case	506SKA										-	506SKA	-		-	
33-2	Gasket	600SKB															
34	Gasket C	-										139SKB	-	139SKB		139SKB x 2	
35	Yoke Plate A	-										140SKB	-	140SKB		140SKB x 2	
36	Locating spring pin	-										125SKB x 2	-	125SKB x 2		125SKB x 4	
37	Hex head bolt	-										143SKB x 6	-	143SKB x 6		143SKB x 12	
38	Gasket D	-										144SKB	-	144SKB		144SKB x 2	
39	Gear case B	-										145SKB	-	145SKB		145SKB x 2	
40	O-Ring	146SKA x 2														146SKA x 4	
41	Oil plug (slotted head)	147SKA x 2														147SKA x 4	
42	Ratchet pawl spindle	150SKA										150SKB	150SKA	150SKB		150SKB x 2	
43	Torsion spring	151SKA										151SKB	151SKA	151SKB		151SKB x 2	
44	Ratchet pawl spindle	152SKA										152SKB	152SKA	152SKB		152SKB x 2	
45	Cir clip	153SKA										153SKB	153SKA	153SKB		153SKB x 2	
46	Gasket E	154SKA										154SKB	154SKA	154SKB		154SKB x 2	
47	Eye bolt & pressure valve	155SKA										155SKB	155SKA	155SKB		155SKB x 2	

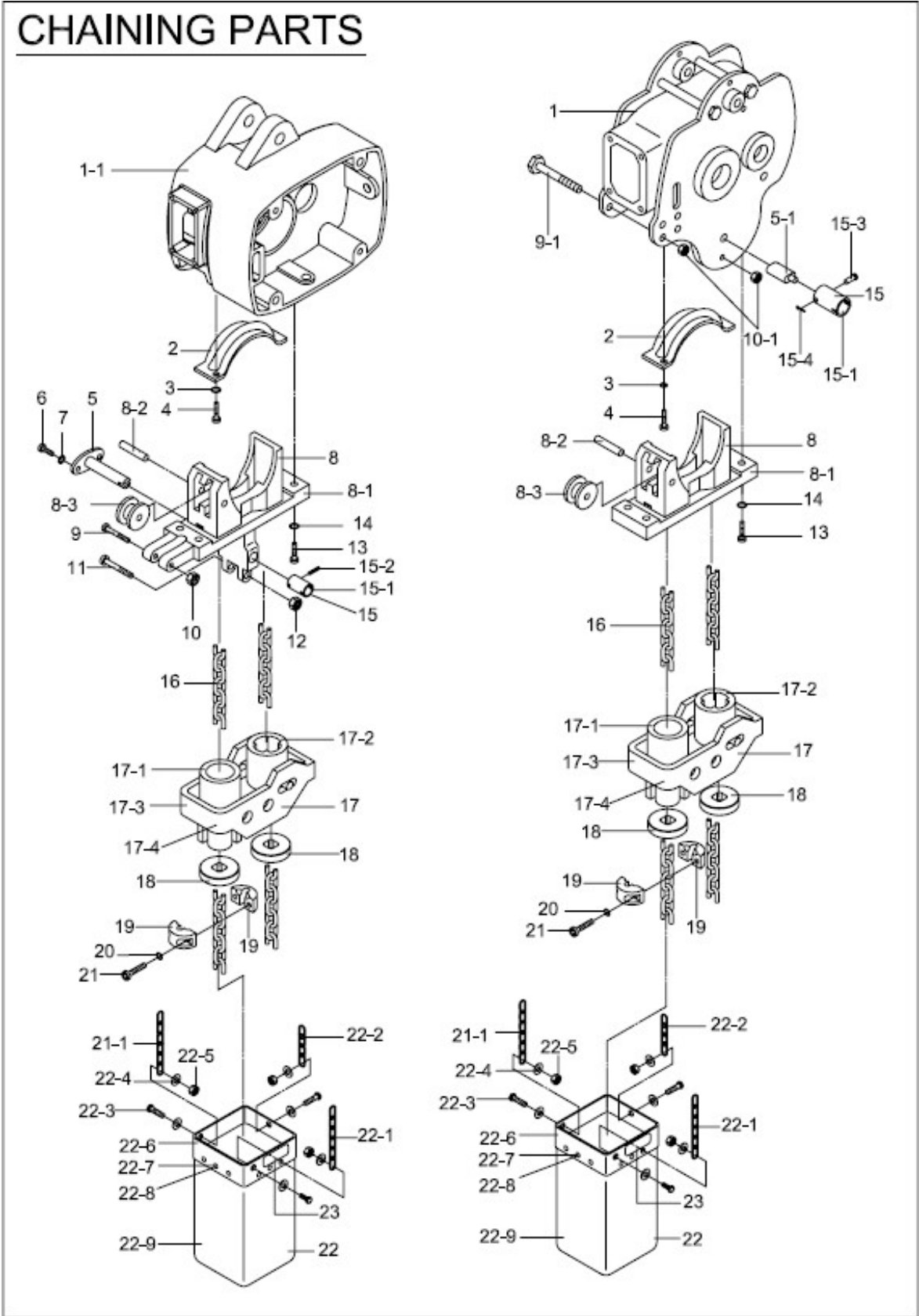
Housing & Case		Model Number ECH-															
#	Description	00518	00526	00544	01018	01026	01044	02018	02026	04009	04013	04026	06009	06017	10010	15007	20010
		Part Number															
48	O-Ring	157SKA										157SKB	157SKA	157SKB		157SKB x 2	
49	External toothed washer	158SKA x 4										158SKB x 4	158SKA x 4	158SKB x 4		158SKB x 8	
50	Hex socket cap bolt	159SKA x 4										159SKB x 4	159SKA x 4	159SKB x 4		159SKB x 8	
51	Gear case A	510SKA										510SKB	510SKA	510SKB		510SKB x 2	
52	Gasket F	161SKA										161SKB	161SKA	161SKB		161SKB x 2	
53	Electrical section cover	162SKA										162SKB	162SKA	162SKB		162SKB x 2	
54	Spring washer	163SKA x 4										163SKB x 4	163SKA x 4	163SKB x 4		163SKB x 8	
55	Hex socket cap bolt	164SKA x 4										164SKB x 4	164SKA x 4	164SKB x 4		164SKB x 8	
56	Hoist name plate	165SKA										165SKB	165SKA	165SKB		165SKB x 2	

2. Gear Case Parts List



Gear Case		Model Number ECH-															
#	Description	00518	00526	00544	01018	01026	01044	02018	02026	04009	04013	04026	06009	06017	10010	15007	20010
		Part Number															
1	Cir clip	166SKA										166SKB	166SKA	166SKB		166SKB x 2	
2	Ball bearing	167SKA										167SKB	167SKA	167SKB		167SKB x 2	
3	Spacer	502SKA										502SKB	502SKA	502SKB		502SKB x 2	
4	Connecting sleeve	168SKA										168SKB	168SKA	168SKB		168SKB x 2	
5	Secondary shaft	169SKA										169SKB	169SKA	169SKB		169SKB x 2	
6	O-ring	170SKA										170SKB	170SKA	170SKB		170SKB x 2	
7	Ball bearing	171SKA										171SKB	171SKA	171SKB		171SKB x 2	
8	Chain wheel case	-										138SKB	-	138SKB		138SKB x 2	
8-1	Chain wheel case	506SKA										-	506SKA	-		-	
9	Oil seal	172SKA										172SKB	172SKA	172SKB		172SKB x 2	
10	Load chain wheel	173SKA										173SKB	173SKA	173SKB		173SKB x 2	
11	Oil seal	174SKA										174SKB	174SKA	174SKB		174SKB x 2	
12	Ball bearing	175SKA										175SKB	175SKA	175SKB		175SKB x 2	
13	Oil seal	176SKA										176SKB	176SKA	176SKB		176SKB x 2	
14	Ball bearing	177SKA										177SKB	177SKA	177SKB		177SKB x 2	
15	Load brake & clutch Assembly	178SAH	178SAL	178SAH	178SAH	178SAL	178SAH	178SAL	178SAH	178SAL	178SAH	178SKB	178SAH	178SKB		178SKB x 2	
16	Ball bearing	501SKA										501SKB	501SKA	501SKB		501SKB x 2	
17	Main drive gear	186SAH	186SAL	186SAH	186SAH	186SAL	186SAH	186SAL	186SAH	186SAL	186SAH	168SKB	168SAH	168SKB		168SKB x 2	
18	Cir clip	187SKA										187SKB	187SKA	187SKB		187SKB x 2	
19	Ball bearing	188SKA										188SKB	188SKA	188SKB		188SKB x 2	

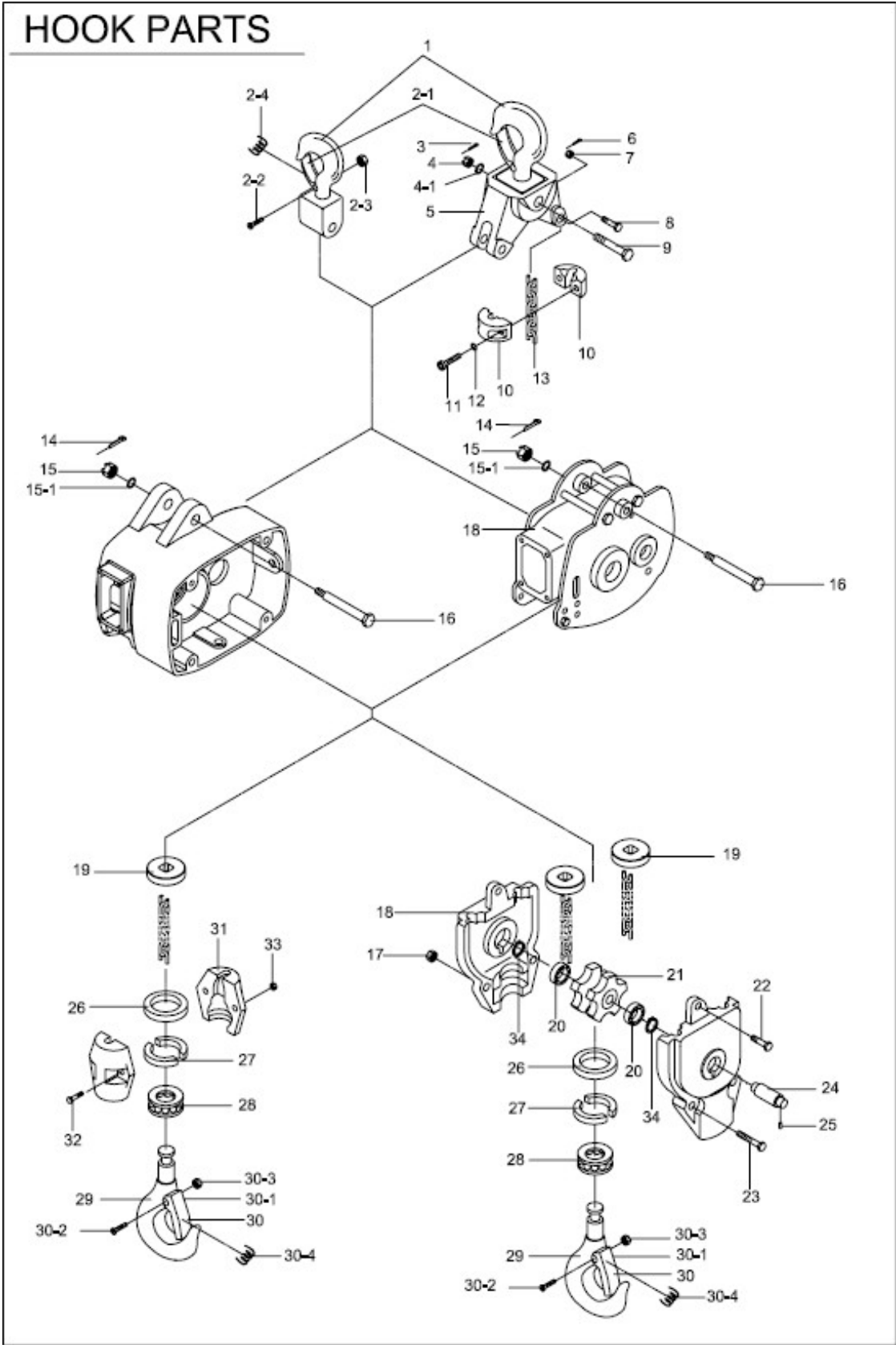
3. Chaining Parts



Chaining Parts		Model Number ECH-															
#	Description	00518	00526	00544	01018	01026	01044	02018	02026	04009	04013	04026	06009	06017	10010	15007	20010
Part Number																	
1	Chain wheel case	-										1385KB	-	1385KB		1385KB x 2	
1-1	Chain wheel case	506SKA										-	506SKA	-		-	
2	Chain guide cover	189SKA										1895KB	189SKA	1895KB	189SKC	189SKC x 2	
3	Spring washer	237SKA x 2										2375KB x 2	237SKA x 2	2375KB x 2		2375KB x 4	
4	Cross slot round head bolt	190SKA x 2										1905KB x 2	190SKA x 2	1905KB x 2		1905KB x 4	
5	Limit switch actuator assembly B	191SKA										2325KB	191SKA	2325KB		2325KB x 2	
6	Hex socket cap bolt	194SKA x 2										-	194SKA x 2	-		-	
7	Spring washer	195SKA x 2										-	195SKA x 2	-		-	
8	Chain limit plate assembly	196SKA										1965KB	196SKA	1965KB	196SKC	196SKC x 2	
8-1	Chain limit plate	197SKA										1975KB	197SKA	1975KB	197SKC	197SKC x 2	
8-2	Guide wheel spindle	198SKA										1985KB	198SKA	1985KB	198SKC	198SKC x 2	
8-3	Guide wheel	199SKA										1995KB	199SKA	1995KB	199SKC	199SKC x 2	
9	Hex head bolt	200SKA										-	200SKA	-		-	
9-1	Hex head bolt	-										2305KB x 2	-	2305KB x 2		2305KB x 4	
10	Nylon nut	201SKA										-	201SKA	-		-	
10-1	Nylon nut	-										2315KB x 2	-	2315KB x 2		2315KB x 4	
11	Hex head bolt	202SKA										-	202SKA	-		-	
12	Nylon nut	203SKA										-	203SKA	-		-	
13	Hex socket cap bolt	204SKA x 4										2045KB x 2	204SKA x 2	2045KB x 4		2045KB x 8	
14	Spring washer	205SKA x 4										2055KB x 2	205SKA x 2	2055KB x 4		2055KB x 8	
15	Limit switch actuator assembly A (*)	206SKA										2065KB	206SKA	2065KB		2065KB x 2	
16	Chain	209SKA										2095KB	209SKA	2095KB		2095KB	
17	Chain guide assembly (*)	210SKA										2105KB	210SKA	2105KB	210SKC	210SKC x 2	
18	Rubber stopper	472SKA x 2										4725KB x 2	472SKA x 2	4725KB x 2	472SKC x 2	472SKC x 4	
19	Chain end-stop block	216SKA x 2								216SKA x 4		2165KB x 2	216SKA x 2	2165KB x 4	2165KB x 2	2165KB x 4	

20	Spring washer	217SKA x 2								217SKA x 4		217SKB x 2	217SKA x 2	217SKB x 4	217SKB x 2		217SKB x 4	
Chaining Parts		Model Number ECH-																
#	Description	00518	00526	00544	01018	01026	01044	02018	02026	04009	04013	04026	06009	06017	10010	15007	20010	
		Part Number																
21	Hex socket cap bolt	218SKA x 2								218SKA x 4		218SKB x 2	218SKA x 2	218SKB x 4	218SKB x 2		218SKB x 4	
22	Chain bag assembly (*)	219SKA																219SKA x 2
23	Chain bag name plate	254SKA																254SKA x 2

4. Hook Parts List (1 Chain)

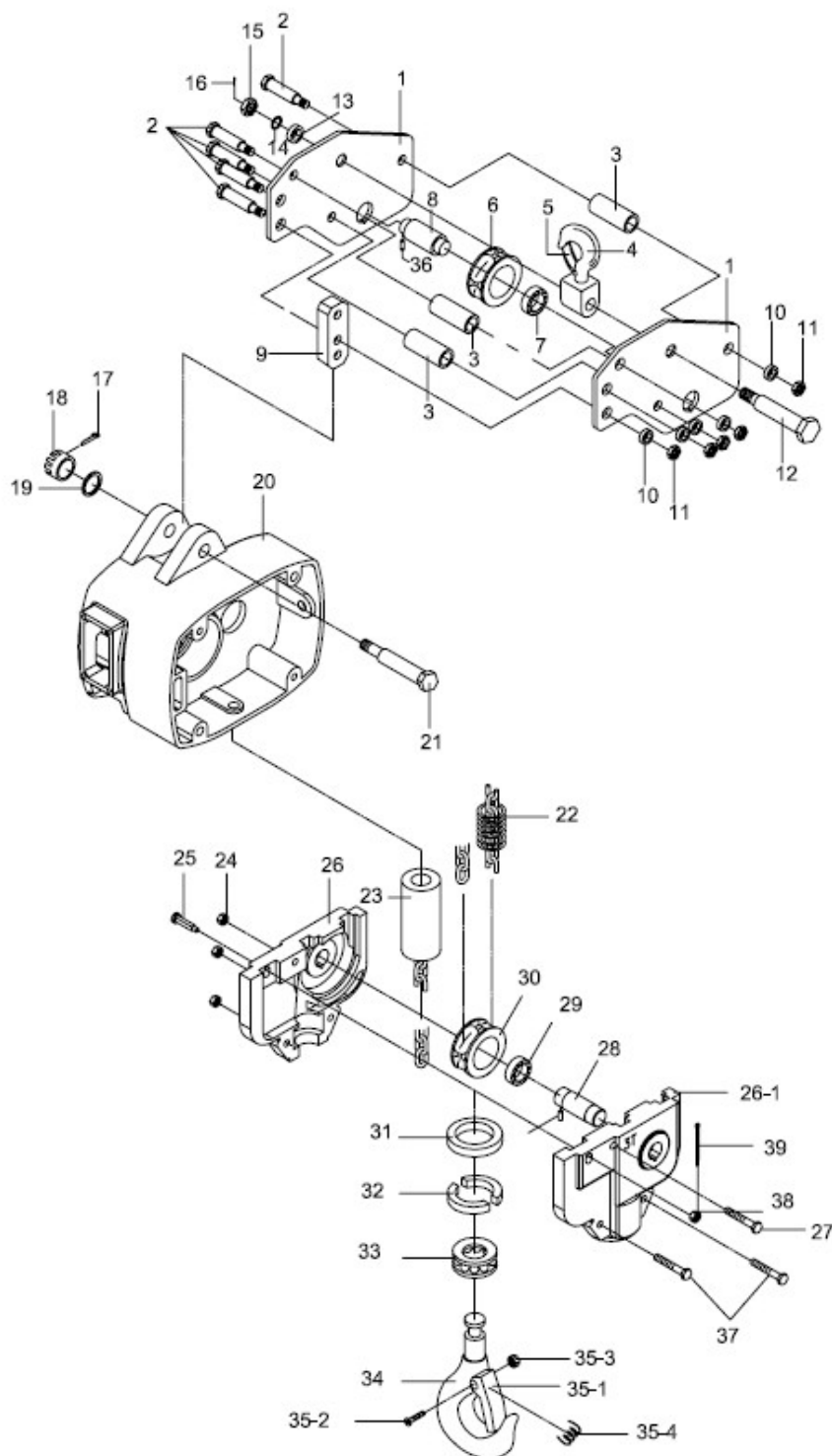


Hook Parts		Model Number ECH-													
#	Description	00518	00526	00544	01018	01026	01044	02018	02026	04009	04013	04026	06017	10010	
		Part Number													
1	Upper hook	270SKA								270SKB		270SKC	270SKD	270SKE	
2-1	Safety latch	272SKA								272SKB		272SKC	272SKD	272SKE	
2-2	Philip round head bolt	273SKA								273SKB		273SKC	273SKD	273SKE	
2-3	Nylon nut	274SKA								274SKB		274SKC	274SKD	274SKE	
2-4	Torsion spring	275SKA								275SKB		275SKC	275SKD	275SKE	
3	Split pin	276SKA									276SKB		276SKB		
4	Slotted nut	277SKA									277SKB				
4-1	Spring washer	475SKA									475SKB				
5	Upper hook yoke	278SKA									278SKB				
6	Split pin	279SKA									279SKB				
7	Slotted nut	480SKA									480SKB				
8	Upper hook yoke leg bolt	281SKA									281SKB				
9	Upper hook yoke cross bolt	282SKA									282SKB				
10	Chain end-stop block	216SKA × 2								216SKA × 4		216SKB × 2	216SKB × 4		
11	Hex socket cap bolt	218SKA × 2								218SKA × 4		218SKB × 2	218SKB × 4		
12	Spring washer	217SKA × 2								217SKA × 4		217SKB × 2	217SKB × 4		
13	Chain	209SKA									209SKB		209SKB	209SKC	
14	Split pin	287SKA									287SKB		287SKB		
15	Slotted nut	288SKA									288SKB		288SKB		
15-1	Spring washer	475SKA									475SKB		475SKB		
16	Upper hook cross bolt	289SKA									289SKB		289SKB		
17	Nylon nut	290SKA									290SKB		290SKB		
18	Lower hook block shell	291SKA × 2								291SKB × 2		291SKC × 2	291SKD × 2	291SKE × 2	
19	Rubber stopper	472SKA									472SKB × 2		472SKB × 2	472SKC × 2	
20	Needle bearing	-									293SKB				293SKC
21	Lower hook block chain wheel	-									294SKB				294SKC
22	Hex socket cap bolt	-									295SKB				295SKC

Hook Parts		Model Number ECH-													
#	Description	00518	00526	00544	01018	01026	01044	02018	02026	04009	04013	04026	06017	10010	
		Part Number													
23	Hex socket cap bolt	-											296SKB	296SKC	
24	Lower hook block chain wheel spindle	-											297SKB x 2	297SKC x 2	
25	Spring pin	-											298SKB	298SKC	
26	Lower hook locking sleeve	299SKA										299SKB	299SKC	299SKD	
27	Lower hook split ring	300SKA										300SKB	300SKC	300SKD	
28	Thrust ball bearing	301SKA										301SKB	301SKC	301SKD	
29	Lower hook	302SKA										302SKB	302SKC	302SKD	
30	Safety latch assembly	303SKA										303SKB	303SKC	303SKD	
30-1	Safety latch	304SKA										304SKB	304SKC	304SKD	
30-2	Hex socket round head bolt	305SKA										305SKB	305SKC	305SKD	
30-3	Nylon nut	306SKA										306SKB	306SKC	306SKD	
30-4	Torsion spring	307SKA										307SKB	307SKC	307SKD	
31	Lower hook block shell	291SKA x 2									291SKB*2	291SKC x 2	291SKD x 2	291SKE x 2	
32	Hex socket cap bolt	309SKA x 2										-			
33	Nylon nut	310SKA x 2										-			
34	Cir clip	-											505SKB x 2	505SKC x 2	

5. Hook Parts List (3 Ton 3 Chain)

HOOK PARTS: 3 TON 3 CHAIN

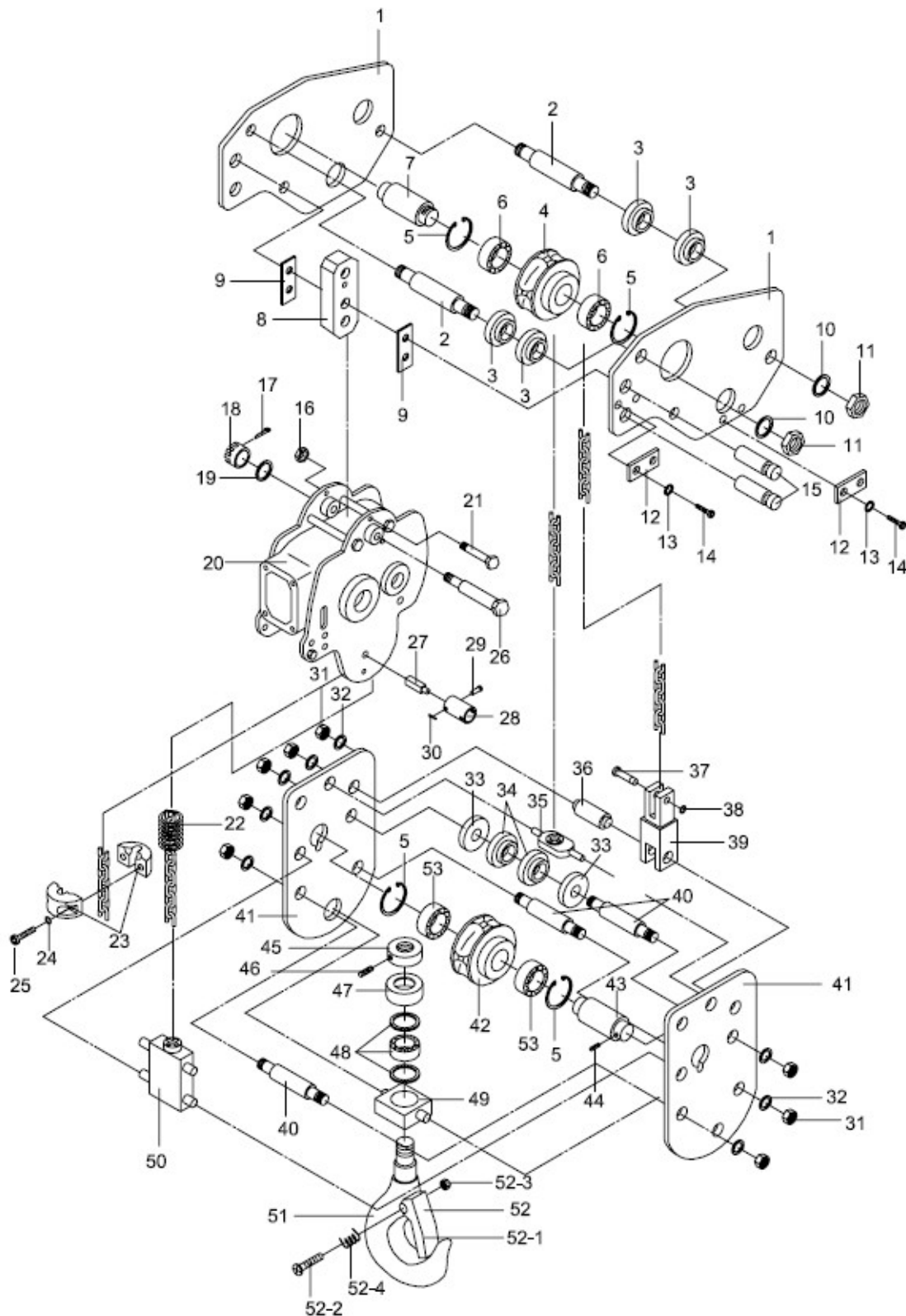


Hook Parts 3 Ton 3 Chain		Model Number ECH-	
#	Description	06006	06009
		Part Number	
1	Upper hook block side plate	243SKA x 2	
2	Stay bolt	244SKA x 5	
3	Upper hook block spacer	245SKA x 3	
4	Upper hook	240SKA	
5	Safety latch	487SKA	
6	Upper hook block chain wheel	250SKA	
7	Needle bearing	477SKA	
8	Upper chain wheel spindle	251SKA	
9	Hook block attachment piece	246SKA	
10	Washer B	440SKA x 5	
11	Nylon nut	441SKA x 5	
12	Upper hook block cross bolt	478SKA	
13	Washer A	242SKA	
14	Spring washer	479SKA	
15	Slotted nut	480SKA	
16	Split pin	276SKA	
17	Split pin	287SKA	
18	Slotted nut	481SKA	
19	Spring washer	442SKA	
20	Chain wheel case	506SKA	
21	Upper hook cross bolt	289SKA	
22	Rubber stopper	472SKA x 3	

Hook Parts 3 Ton 3 Chain		Model Number ECH-	
#	Description	06006	06009
		Part Number	
23	Spacer tube	247SKA	
24	Nylon nut	482SKA x 3	
25	Lower hook block swivel shell side bolt	446SKA	
26	Lower hook block swivel shell (left)	248SKA	
26-1	Lower hook block swivel shell (right)	249SKA	
27	Hex socket cap bolt	444SKA	
28	Lower chain wheel spindle	251SKA	
29	Needle bearing	477SKA	
30	Lower hook block chain wheel	250SKA	
31	Lower hook locking sleeve	483SKA	
32	Lower hook split ring	484SKA x 2	
33	Thrust ball bearing	485SKA	
34	Lower hook	486SKA	
35	Safety latch assembly	487SKA	
35-1	Safety latch	488SKA	
35-2	Cross slot round head bolt	489SKA	
35-3	Nylon nut	490SKA	
35-4	Torsion spring	491SKA	
36	Spring pin	492SKA x 2	
37	Hex socket cap bolt	445SKA x 2	
38	Slotted nut	480SKA	

6. Load Block 7½ Ton Parts List

LOAD BLOCK: 7 1/2 TON (UPPER & LOWER BLOCK)

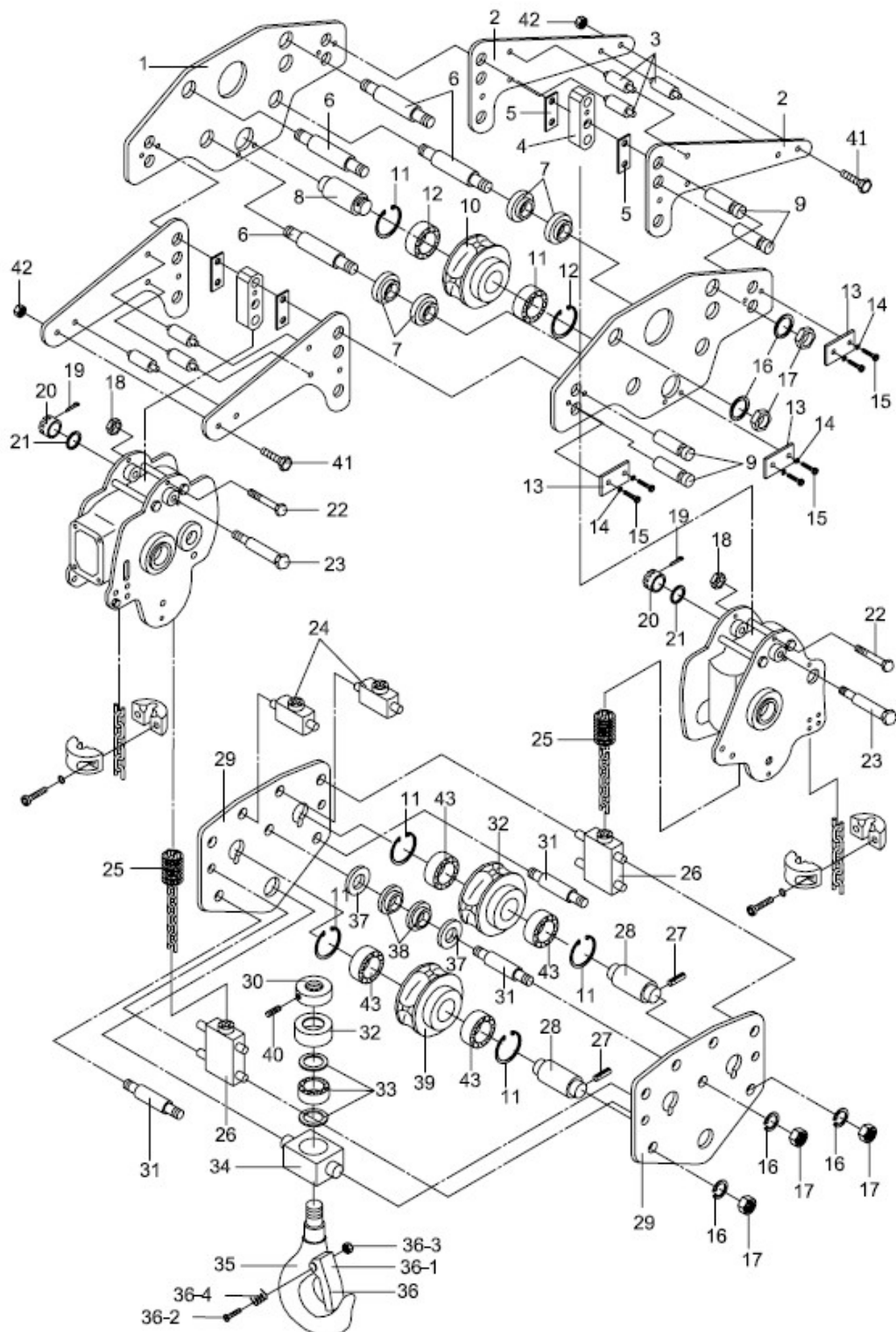


7 1/2 Ton U/L Hook Block Parts		Model ECH-
#	Description	15007
		Part Number
1	Upper load block side plate	311SKB x 2
2	Stay bolt	312SKB x 3
3	Flanged guide wheel	313SKB x 4
4	Upper load block chain wheel	314SKB
5	C-retaining ring	315SKB x 4
6	Needle bearing	316SKB x 2
7	Upper chain wheel spindle	317SKB
8	Load block attachment piece	318SKB
9	Attachment piece spacer	319SKB x 2
10	Spring washer	320SKB x 6
11	Nut	321SKB x 6
12	Lock plate	322SKB x 2
13	Spring washer	323SKB x 4
14	Hex socket cap bolt	324SKB x 4
15	Attachment piece cross pin	325SKB x 2
16	Nylon nut	326SKB
17	Split pin	327SKB
18	Slotted nut	328SKB
19	Spring washer	329SKB
20	Chain wheel case	138SKB
21	Hex head bolt	330SKB
22	Rubber stopper	472SKB x 2
23	Chain end-stop block	332SKB x 2
24	Spring washer	333SKB x 2
25	Hex socket cap bolt	334SKB x 2
26	Upper load block cross bolt	289SKB
27	Limit switch actuator B	232SKB
28	Limit switch actuator A	207SKB
29	Hex socket cap bolt	234SKB

7 1/2 Ton U/L Hook Block Parts		Model ECH-
#	Description	15007
		Part Number
30	Nylon nut	235SKB
31	Nut	335SKB x 6
32	Spring washer	336SKB x 6
33	Guide wheel thrust washer	337SKB x 4
34	Flanged guide wheel	338SKB x 4
35	Chain guide piece	339SKB
36	Clevis pin	340SKB
37	Chain attachment pin	341SKB
38	Cir clip	342SKB
39	Chain attachment clevis	343SKB
40	Side plate stay bolt	344SKB x 3
41	Lower hook block side plate	345SKB x 2
42	Lower hook block chain wheel	346SKB
43	Lower chain wheel spindle	347SKB
44	Spring pin	348SKB
45	Lower hook retaining nut	349SKB
46	Set screw	350SKB
47	Bearing cover	351SKB
48	Thrust ball bearing	352SKB
49	Lower hook mounting block	353SKB
50	Chain guide block	354SKB
51	Lower hook	355SKB
52	Safety latch assembly	356SKB
52-1	Safety latch	357SKB
52-2	Cross slot round head bolt	358SKB
52-3	Nylon nut	359SKB
52-4	Torsion spring	360SKB
53	Needle bearing	447SKB x 2

7. Load Block 10 Ton Parts List

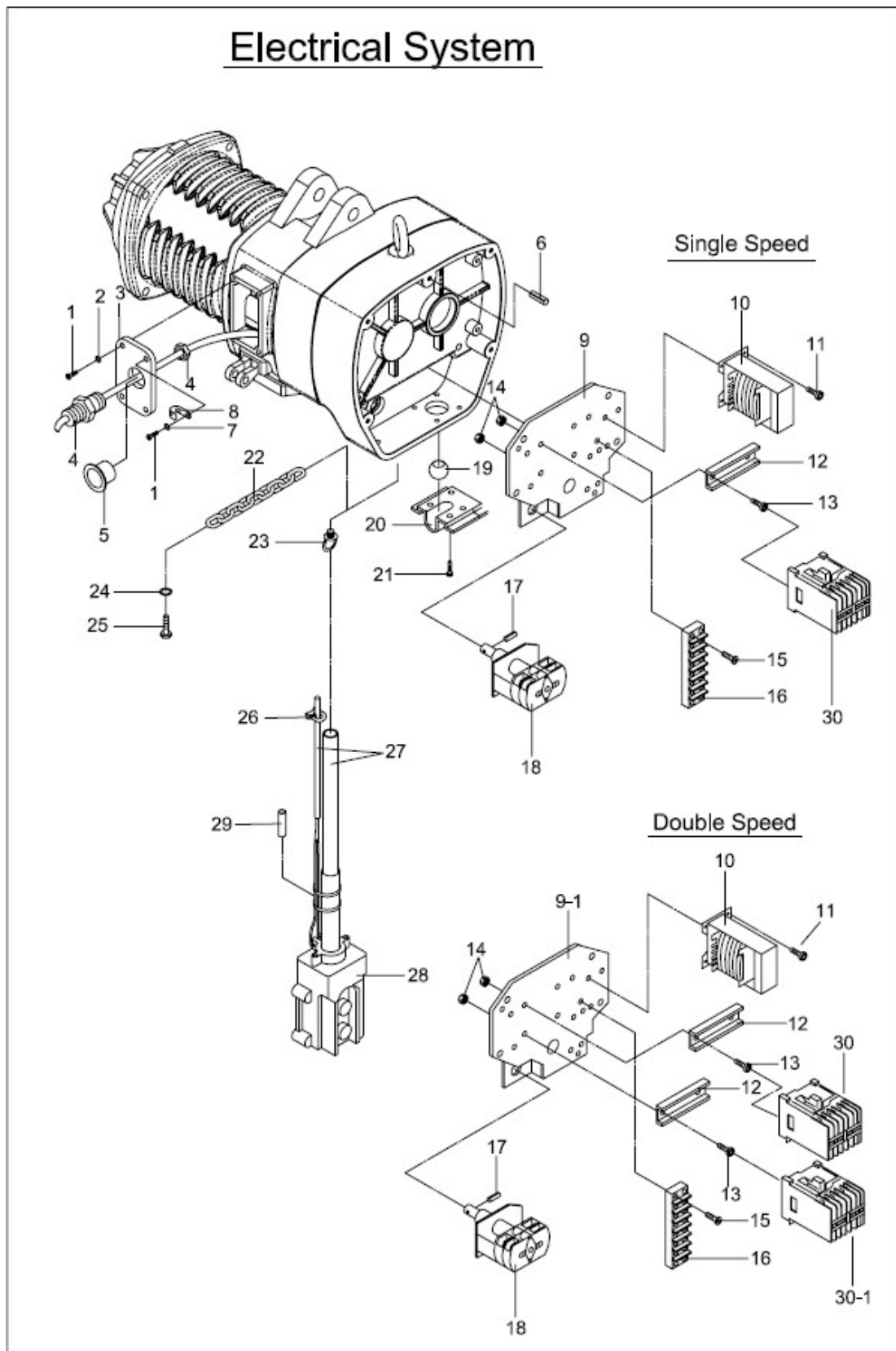
LOAD BLOCK: 10 TON (UPPER & LOWER BLOCK)



10 Ton U/L Hook Block Parts		Model ECH-
#	Description	20010
		Part Number
1	Upper load block side plate	361SKB x 2
2	Chain bag hanger arm	362SKB x 4
3	Hanger arm stay pin	363SKB x 6
4	Upper block attachment piece	318SKB x 2
5	Attachment piece spacer	319SKB x 4
6	Slide plate stay bolt	312SKB x 4
7	Flanged guide wheel	313SKB x 4
8	Upper chain wheel spindle	317SKB
9	Attachment piece cross pin	325SKB x 4
10	Upper load block chain wheel	314SKB
11	Cir Clip	315SKB x 6
12	Needle Bearing	316SKB x 2
13	Lock Plate	322SKB x 3
14	Spring washer	323SKB x 6
15	Hex socket cap bolt	324SKB x 6
16	Spring washer	320SKB x 14
17	Nut	321SKB x 14
18	Nylon nut	326SKB x 2
19	Split pin	327SKB x 2
20	Slotted nut	328SKB x 2
21	Spring washer	329SKB x 2
22	Hex socket cap bolt	330SKB x 2
23	Upper load block cross bolt	289SKB x 2

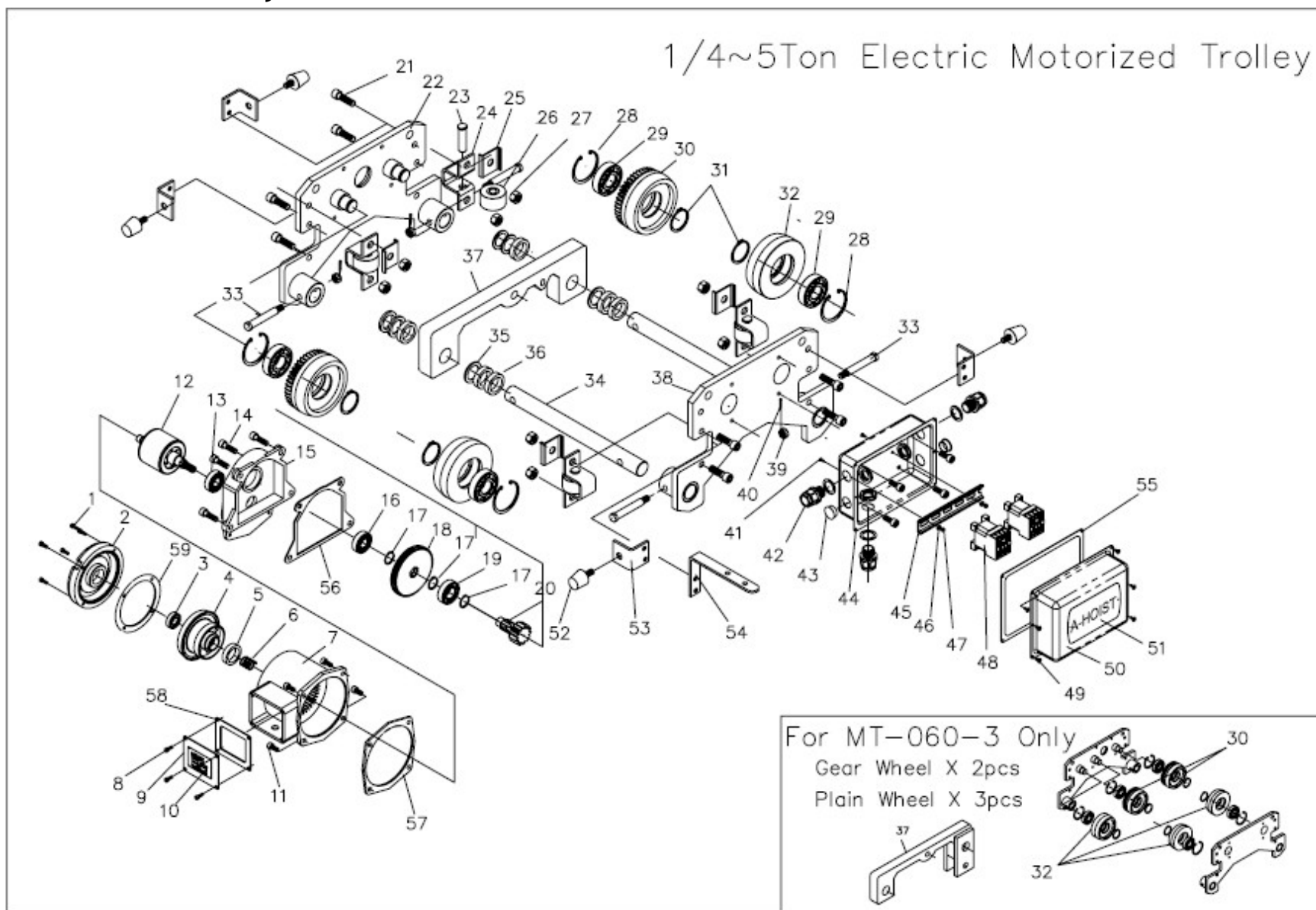
10 Ton U/L Hook Block Parts		Model ECH-
#	Description	20010
		Part Number
24	Chain guide piece	339SKB x 2
25	Robber stopper	472SKB x 4
26	Chain guide block	354SKB x 2
27	Spring pin	348SKB x 2
28	Lower chain wheel spindle	347SKB x 2
29	Lower hook block side plate	347SKB x 2
30	Lower hook retaining nut	365SKB
31	Side plate stay bolt	344SKB x 3
32	Bearing cover	351SKB
33	Thrust ball bearing	352SKB
34	Lower hook mounting block	353SKB
35	Lower hook	366SKB
36-1	Safety latch	368SKB
36-2	Cross slot round head bolt	369SKB
36-3	Nylon nut	370SKB
36-4	Torsion spring	371SKB
37	Guide wheel thrust washer	337SKB x 6
38	Flanged guide wheel	338SKB x 6
39	Lower hook block chain wheel	346SKB x 2
40	Set screw	350SKB
41	Hex head bolt	513SKB x 2
42	Nylon nut	231SKB x 2
43	Needle bearing	447SKB x 4

8. Electrical System Parts List



Electrical System		Model Number															
#	Description	00518	00526	00544	01018	01026	01044	02018	02026	04009	04013	04026	06009	06017	10010	15007	20010
		Part Number															
1	Philip round head bolt	372SKA x 4															372SKA x 8
2	Spring washer	373SKA x 4															373SKA x 8
3	Power cable inlet cover	374SKA															374SKA x 2
4	Cable gland	375SKA															375SKA x 2
5	Hole plug	376SKA															376SKA x 2
6	Spring pin	377SKA															377SKA x 2
7	Plain washer	378SKA															378SKA x 2
8	Cable clamp	379SKA															379SKA x 2
9	Mounting panel	380SKA											380SKB	380SKA	380SKB	380SKB x 2	
10	Transformer	381SKA															381SKA x 2
11	Philip round head bolt	382SKA x 4															382SKA x 8
12	Mounting rail	383SKA															383SKA x 2
13	Philip pan head bolt	384SKA x 2															384SKA x 4
14	Nylon nut	385SKA x 2															385SKA x 4
15	Philip round head bolt	386SKA x 2															386SKA x 4
16	Terminal block	387SKA															387SKA x 2
17	Spring pin	392SKA															392SKA x 2
18	Limit switch	393SKA															393SKA x 2
19	PG32 Cable gland nut	394SKA															394SKA x 2
20	Cable gland rubble washer	395SKA															395SKA x 2
21	PG32 Cable gland body	372SKA															372SKA x 2
22	Connecting chain	396SKA															396SKA x 2
23	Hex socket cap bolt	399SKA															399SKA x 2
24	Plain washer	398SKA x 2															398SKA x 4
25	Hex socket cap bolt	399SKA															399SK x 2
26	Pendant control support wire clamp	400SKA															400SK
27	Electric cable and support wire	401SKA															401SK
28	Pendant control unit	402SKA															402SK
29	Sleeve	403SKA															403SK
30	Relay block	404SKA x 2															404SK x 4
30-1	Relay block	D404SKA x 3															404SK x 6

9. Motorized Trolley 1/4 to 5 Ton Parts List



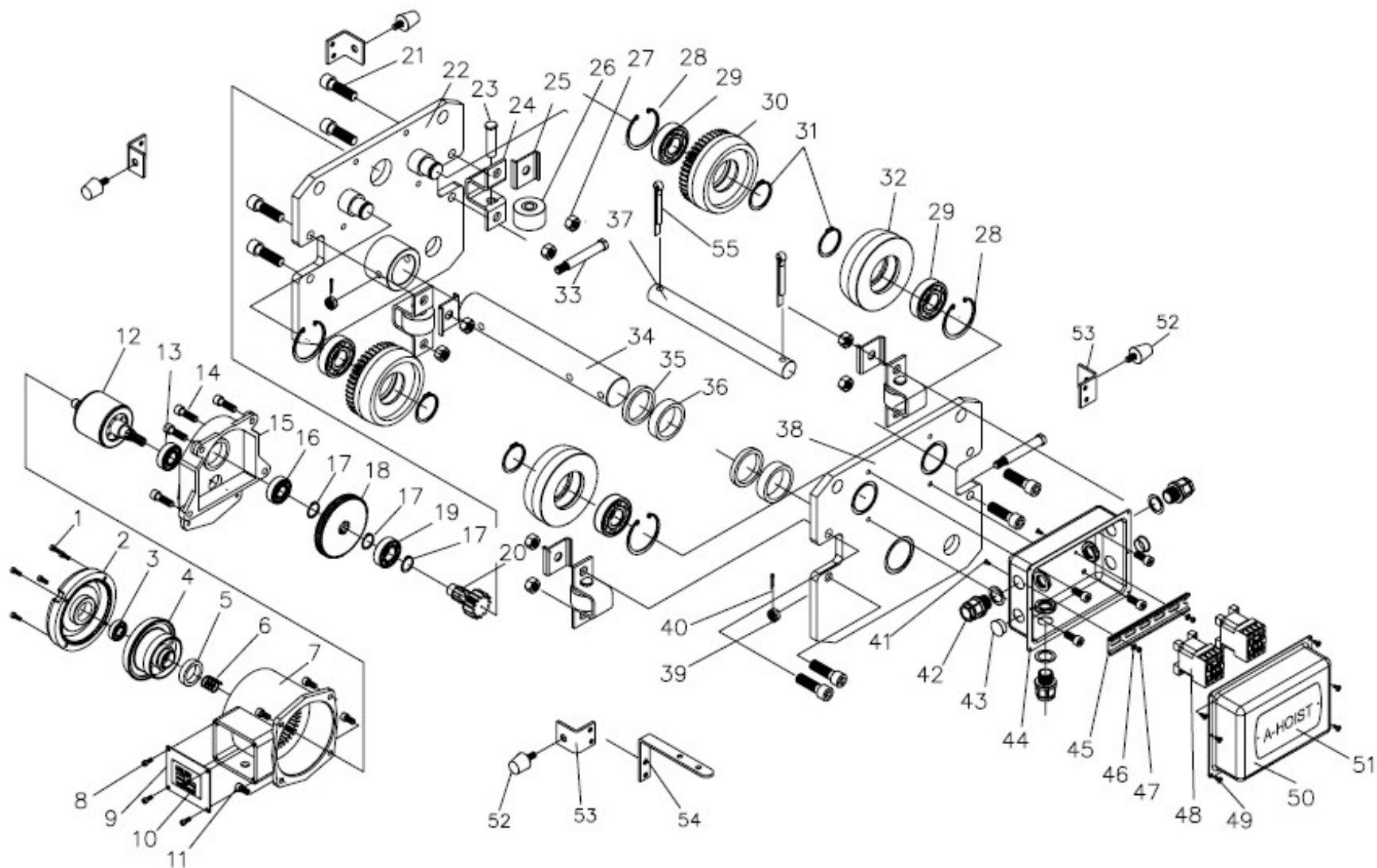
Motorized Trolley		Model							
#	Description	MT-005	MT-010	MT-020	MT-040-1	MT-040-2	MT-060-2	MT-060-3	MT-100
1	Hex Socket Cap Bolt					T107A			
2	Brake Cover					T106A			
3	Ball Bearing					T105A			
4	Brake Disk Assembly					T104A			
5	Rubber Collar					T103A			
6	Brake Spring					T102A			
7	Motor Casing & Stator					T101A			
8	Hex Socket Cap Bolt					T109A x 4			
9	Power Cable Inlet Cover					T108A			
10	Motor Name Plate					T171A			
11	Hex Socket Cap Bolt					T110A x 4			
12	Motor Rotor & Primary Shaft			T111A				T111B	
13	Ball Bearing					T113A			
14	Hex Socket Cap Bolt					T112A x 4			
15	Gear Reducer Case					T114A			
16	Ball Bearing					T115A			
17	C Retaining Ring					T116A x 3			
18	Driving Gear					T117A			
19	Ball Bearing					T119B			T118B
20	Pinion					T119A			T119B
21	Hex Socket Cap Bolt					T128A x 8			T128B x 8
22	Side Plate A			T159A			T159B		T159C
23	Guide Wheel Shaft*					T135A x 4			T135B x 4
24	Guide Wheel Seat*					T136A x 4			T136B x 4
25	Guide Wheel Press Plate*					T133A X 4			T133B x 4
26	Guide Wheel*					T137A x 4			T137B x 4
26-1	Guide Wheel Assembly (includes *)					T137AA			T137BA
27	Hex Nut					T134A x 8			T134B x 8
28	C Retaining Ring			T120A x 4				T121B x 4	
29	Ball Bearing			T121A x 4				T121B x 4	
30	Gear Wheel			T125A x 2				T125B x 2	
31	C Retaining Ring			T123A x 4				T123B x 4	
32	Plain Wheel			T122A x 2				T122B x 2	
33	Position Bolt					T126A x 2			
34	Suspension Shaft			T158A x 2				T158B x 2	
35	Thing Spacer			T148A x 16				T148B 16	
36	Thick Spacer			T149A x 16				T149B x 16	

37	Support Yoke	T161A	T161B	T161C	T161D	T161E	T161F
38	Side Plate B	T160A			T160B		T160C

Motorized Trolley 1/4 to 5 Ton		Model							
#	Description	MT-005	MT-010	MT-020	MT-040-1	MT-040-2	MT-060-2	MT-060-3	MT-100
39	Castle Nut				T130A x 2				
40	Cotter Pin				T139A x 2				
41	Phil Round Head Screw				T140A x 4				
42	Cable Gland				T143A x 3				
43	Plastic Cap				T145A x 3				
44	Electric Case				T144A				
45	Rail				T153A				
46	Washer				T154A x 2				
47	Hex Socket Cap Bolt				T132A x 2				
48	Magnetic Contactor				T156A x 2				
49	Hex Socket Cap Bolt				T152A x 4				
50	Electric Case Cover				T146A				
51	Trolley Name Plate	T127A	T172B	T127C	T127D	T127E	T127F	T127G	T127I
52	Rubber Bumper				T172A x 4				
53	Anti-Drop Fin				T173A x 4				
54	Cable Arm				T174				
55	Gasket MT-01				T175				
56	Gasket MT-02				T176				
57	Gasket MT-03				T177				
58	Gasket MT-04				T178				
59	Gasket				T179				

10. Motorized Trolley 7.5 to 10 Ton Parts List

7.5–10Ton Electric Motorized Trolley



Motorized Trolley 7.5 to 10 Ton		Model	
#	Description	MT-150	MT-200
1	Hex Socket Cap Bolt		T107A
2	Brake Cover		T106A
3	Ball Bearing		T105A
4	Brake Disk Assembly		T104A
5	Rubber Collar		T103A
6	Brake Spring		T102A
7	Motor Casing and Stator		T101A
8	Hex Socket Cap Bolt		T109A x 4
9	Power Cable Inlet Cover		T108A
10	Motor Name Plate		T171A
11	Hex Socket Cap Bolt		T110A x 4
12	Motor & Primary Shaft		T111B
13	Ball Bearing		T113A
14	Hex Socket Cap Bolt		T112A x 4
15	Gear Reducer Case		T114A
16	Ball Bearing		T115A
17	C Retaining Ring		T116A x 3
18	Driving Gear		T117A
19	Ball Bearing		T118B
20	Pinion		T119B
21	Hex Socket Cap Bolt		T128B x 8
22	Side Plate A	T159D	T159E
23	Guide Wheel Shaft*		T135B x 4
24	Guide Wheel Seat*		T136B x 4
25	Guide Wheel Press Plate*		T133B x 4
26	Guide Wheel*		T137B x 4
26-1	Guide Wheel Assembly (includes *)		T137BA
27	Hex Nut		T134B x 8
28	C Retaining Ring	T120C x 4	T120D x 4
29	Ball Bearing	T121C x 2	T121D x 2
30	Gear Wheel	T125C x 4	T125D x 4
31	C Retaining Ring	T123C x 4	T123D x 4
32	Plain Wheel	T122C x 2	T122D x 2
33	Position Bolt		T126B x 2
34	Suspension Shaft-A		T158C
35	Thin Spacer		T148C x 16
36	Thick Spacer		T149C x 16
37	Suspension Shaft-B		T158D
38	Side Plate B	T160D	T160E
39	Castle Nut		T130B x 2
40	Cotter Pin		T139B x 2

Motorized Trolley 7.5 to 10 Ton		Model	
#	Description	MT-150	MT-200
41	Phil Round Head Screw		T140A x 4
42	Cable Gland		T143A x 3
43	Plastic Cap		T145A x 3
44	Electric Case		T144A
45	Rail		T153A
46	Washer		T154A x 2
47	Hex Socket Cap Bolt		T132A x 2
48	Magnetic Contactor		T156A x 2
49	Hex Socket Cap Bolt		T152A x 4
50	Electric Case Cover		T146A
51	Trolley Name Plate	T127H	T127J
52	Rubber Bumper		T172A x 4
53	Anti-Drop Fin		T173A x 4
54	Cable Arm		T174A
55	Cotter Pin		T175A x 2