

R320LC-9 TS

Telescopic Dipper

(Sliding Cabin)

This manual was produced by Sun&Shield, Ltd. and some revisions have been

made in HYUNDAI CONSTRUCTION EQUIPMENT

INTRODUCTION

A **Sliding Cabin** is used for improved operating visibility of an operator in the work area. The purpose of this manual is to give users detail information about the method for assembling, operating, inspection, maintenance and adjustment of a **Sliding Cabin**.

For the safe operation and maintenance of a **Sliding Cabin**,

1. Please, be sure to refer to this user manual before operating machine.
2. Please, operate safely by checking environment of worksite and by checking safety rules.

Please, contact Hyundai Construction Equipment or Hyundai Dealer if you have questions on this manual.

Model	
P/N	
Year of Manufacture	

CONTENTS

1. Safety	
1-1. Caution for Sliding Cabin -----	05
2. Specification	
2-1. Names of Each Parts -----	08
2-2. Dimensions -----	09
3. Installation	
3-1. Hydraulic Circuit Diagram -----	10
3-2. Electric Circuit Diagram _SCS -----	11
4. Additional Counter Weight	
4-1. Installation of Additional Counter Weight -----	12
4-2. Detachment of Additional Counter Weight -----	13
5. Operation -----	14
6. Maintenance	
6-1. Greasing -----	15

1. Safety

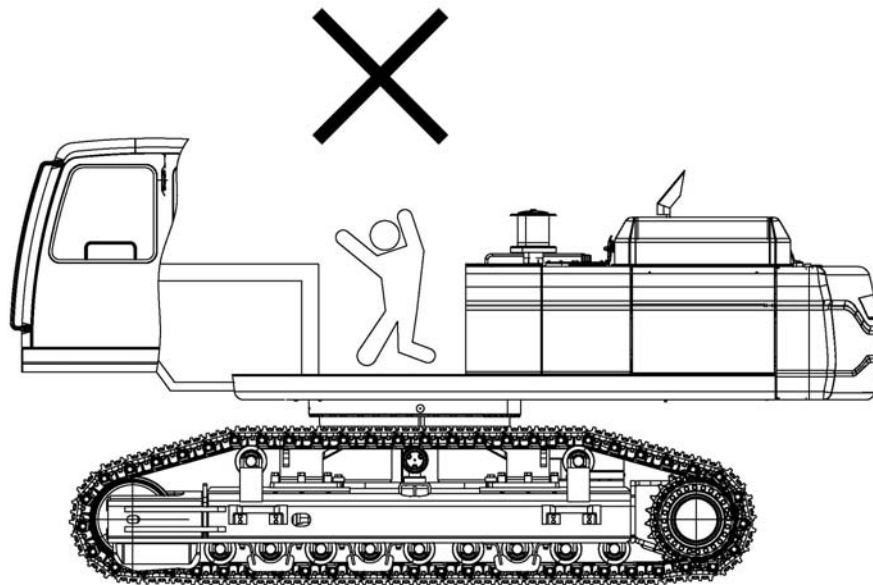
Operation Cautions

WARNING!
1. Must check up the working area before operating our equipment. 2. Only operate our equipment on flat place because the working on inclined place causes falling down this equipment. 3. Only operate our equipment inside of allowed operating distance because the working over allowed operating range might cause falling down this equipment. 4. When working with the front of our equipment, operate our equipment as slowly as possible because a sudden change of operating lever might cause falling down this equipment. 5. All rated lift capacities are based on the machine and the load both remaining level at all times. Do not exceed the stated lift capacity. Lifting loads greater than those shown in the rated capacity table can cause catastrophic equipment failure and/or structural collapse of the machine

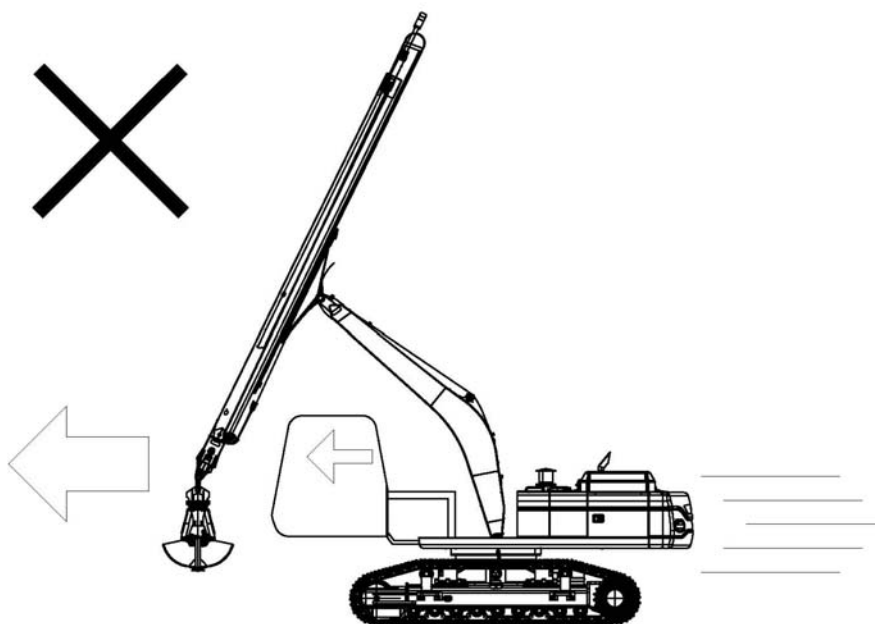
1-1. Caution for Sliding Cabin

Do not operate other functions while cabin is moving forward or backward.

Do not enter into cabin sliding space

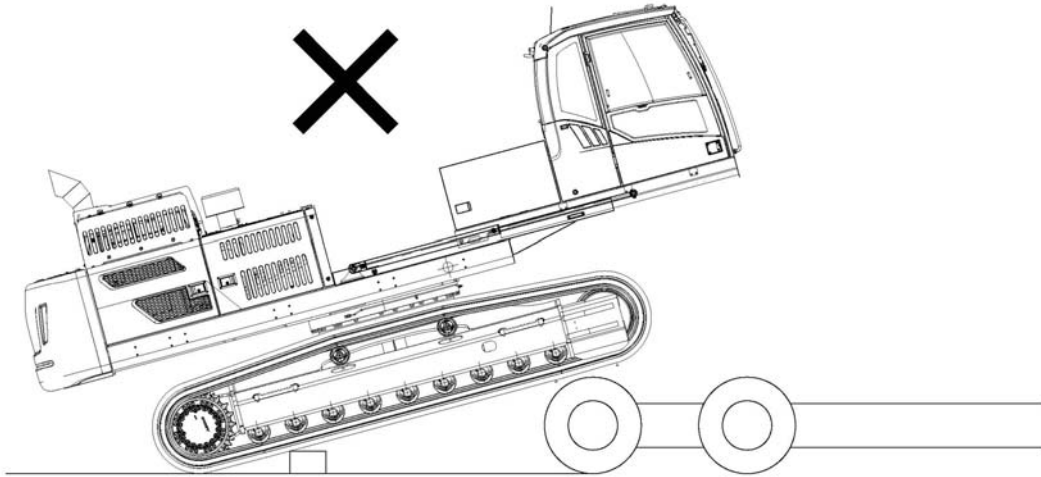


Do not travel machine when its cabin is extended



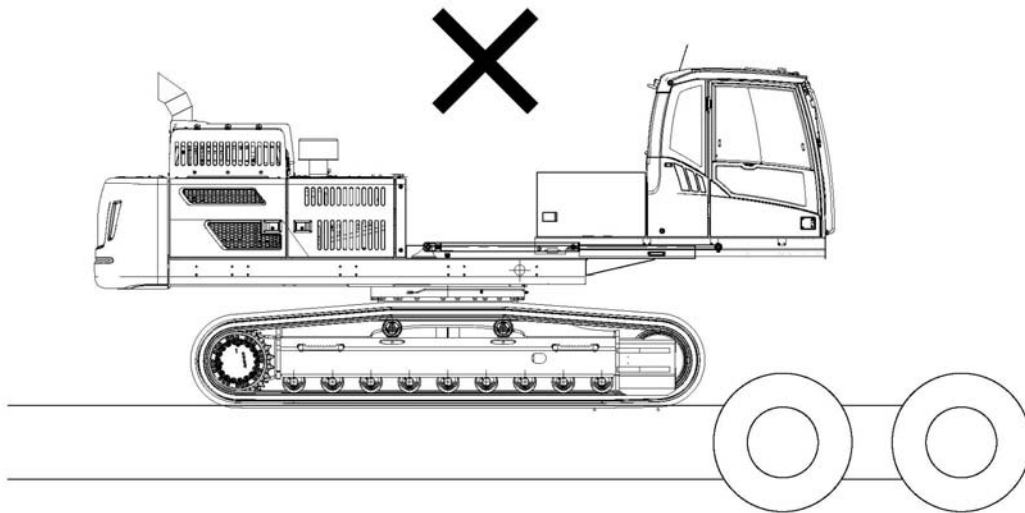
Do not Load/Unload the Machine with the Cabin extracted

Do not load or unload the machine with the sliding cabin extended forward. Failure to do so may create a hazardous situation

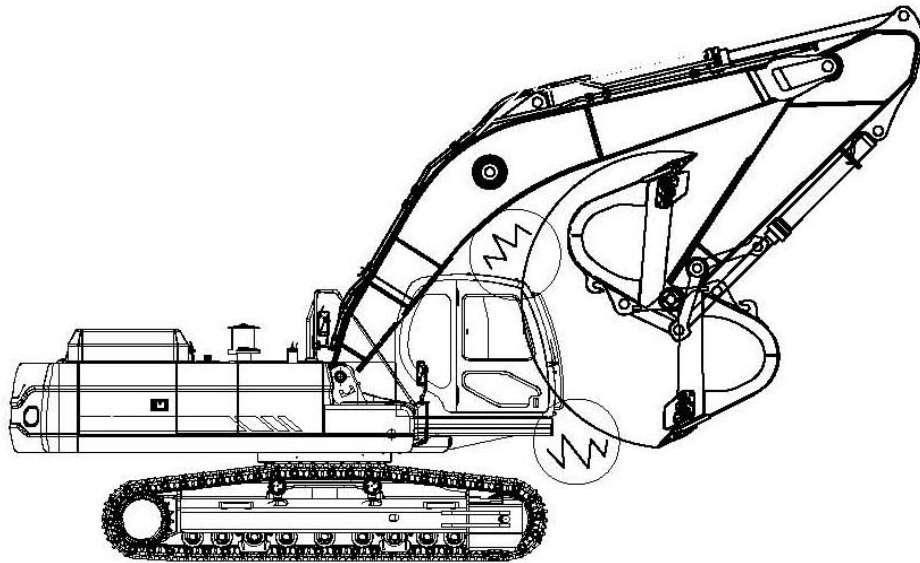


Do not Transport the Machine with the Cabin extracted

Transport the machine with the sliding cabin fully retracted. Failure to do so may create an unexpected hazardous situation.



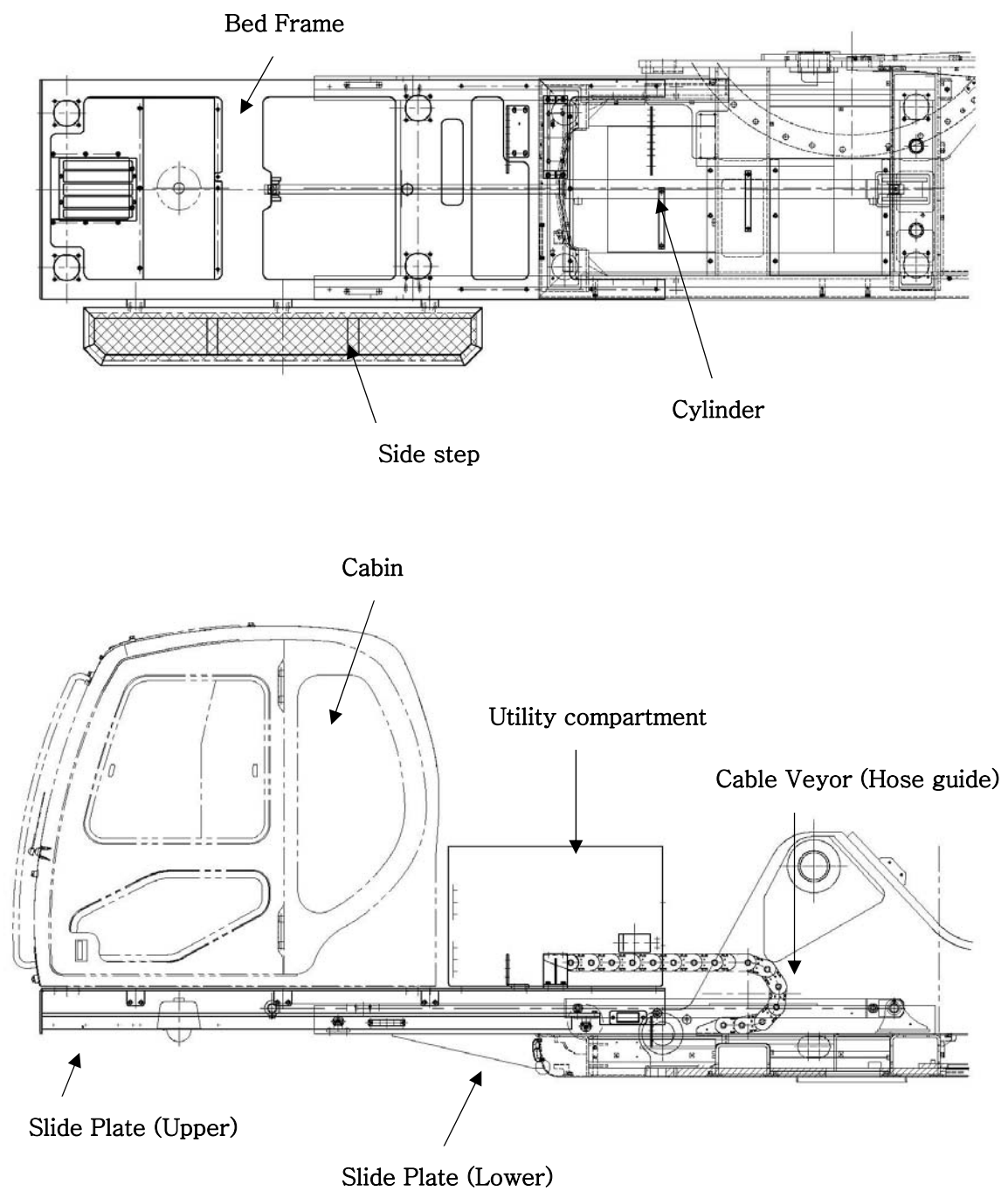
Be careful with operating sliding cabin or front attachment



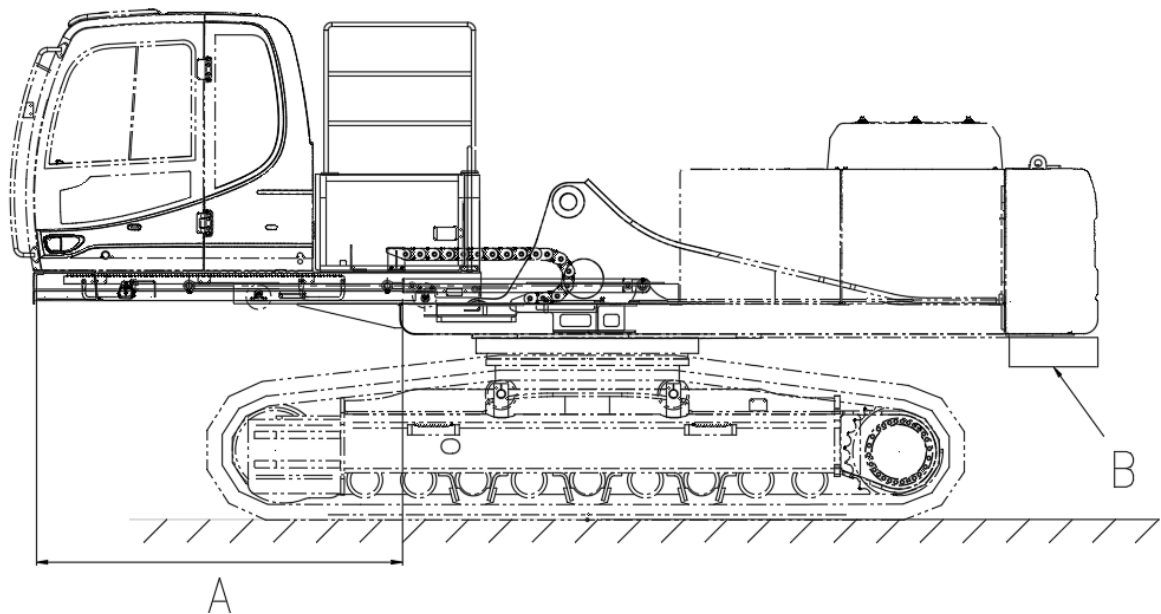
When you operate sliding cabin or front attachment, you should be careful to avoid crash between sliding cabin and front attachment
Serious personal injury or death may result from this crash.

2. Specification

2-1. Names of Each parts



2-2. Dimensions

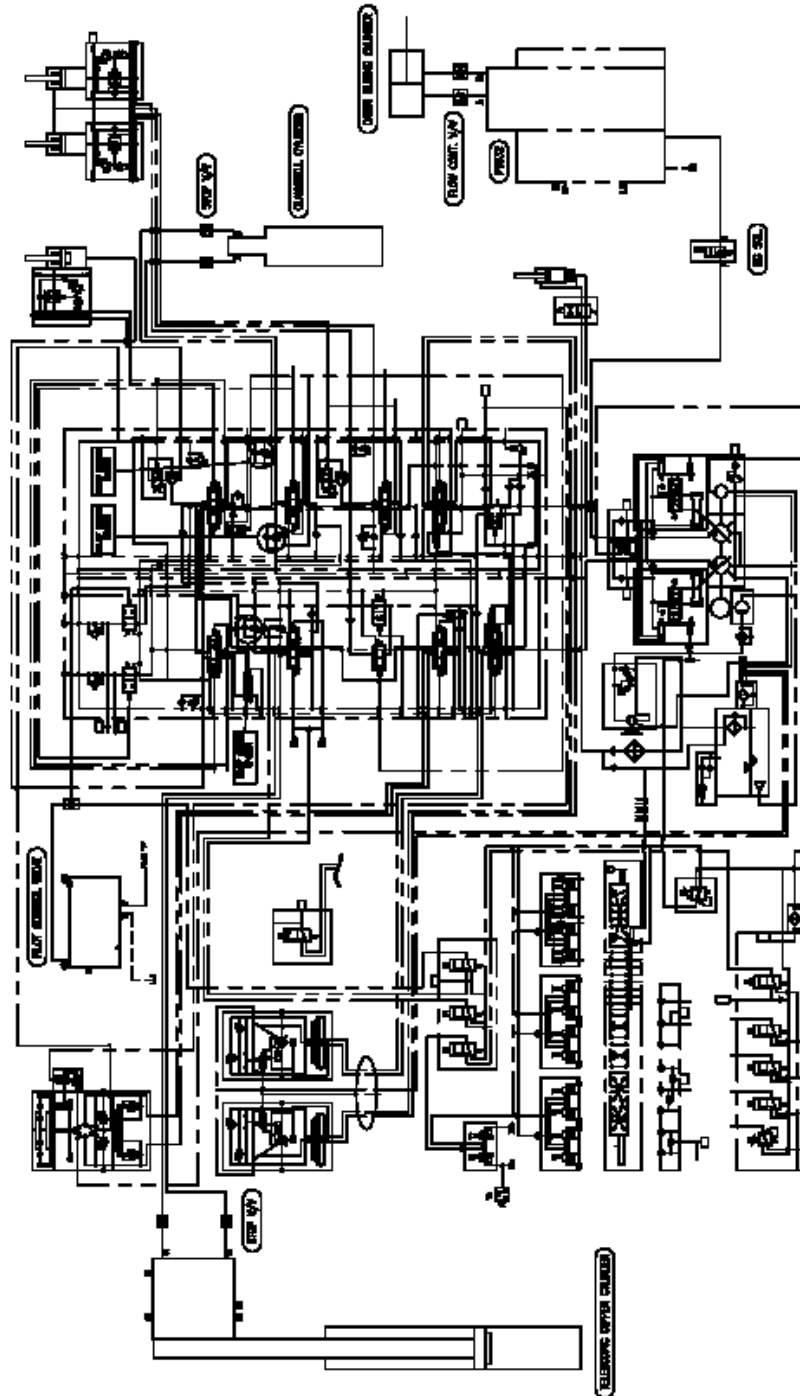


R320LC-9 TS (SCS24-CE & ACW20B)

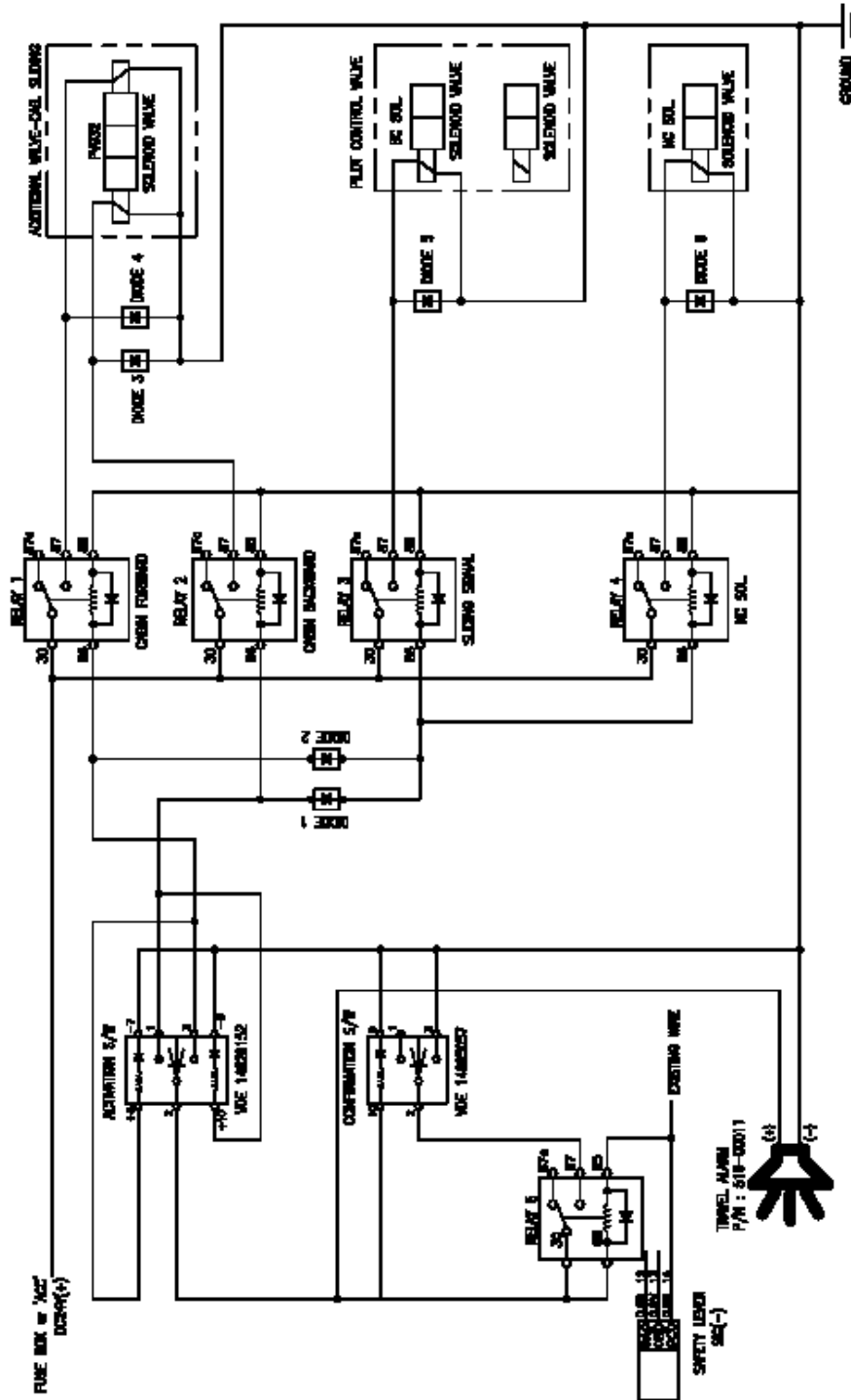
APPLICATION MODEL		SPECIFICATION
A	Cabin Sliding Movement	2.4 m
-	Cabin Sliding Weight	890 kg
B	Additional Counter Weight(Bottom Type)	2.0 ton

3. Installation

3-1. Hydraulic Circuit Diagram



3-2. Electric Circuit Diagram _SCS



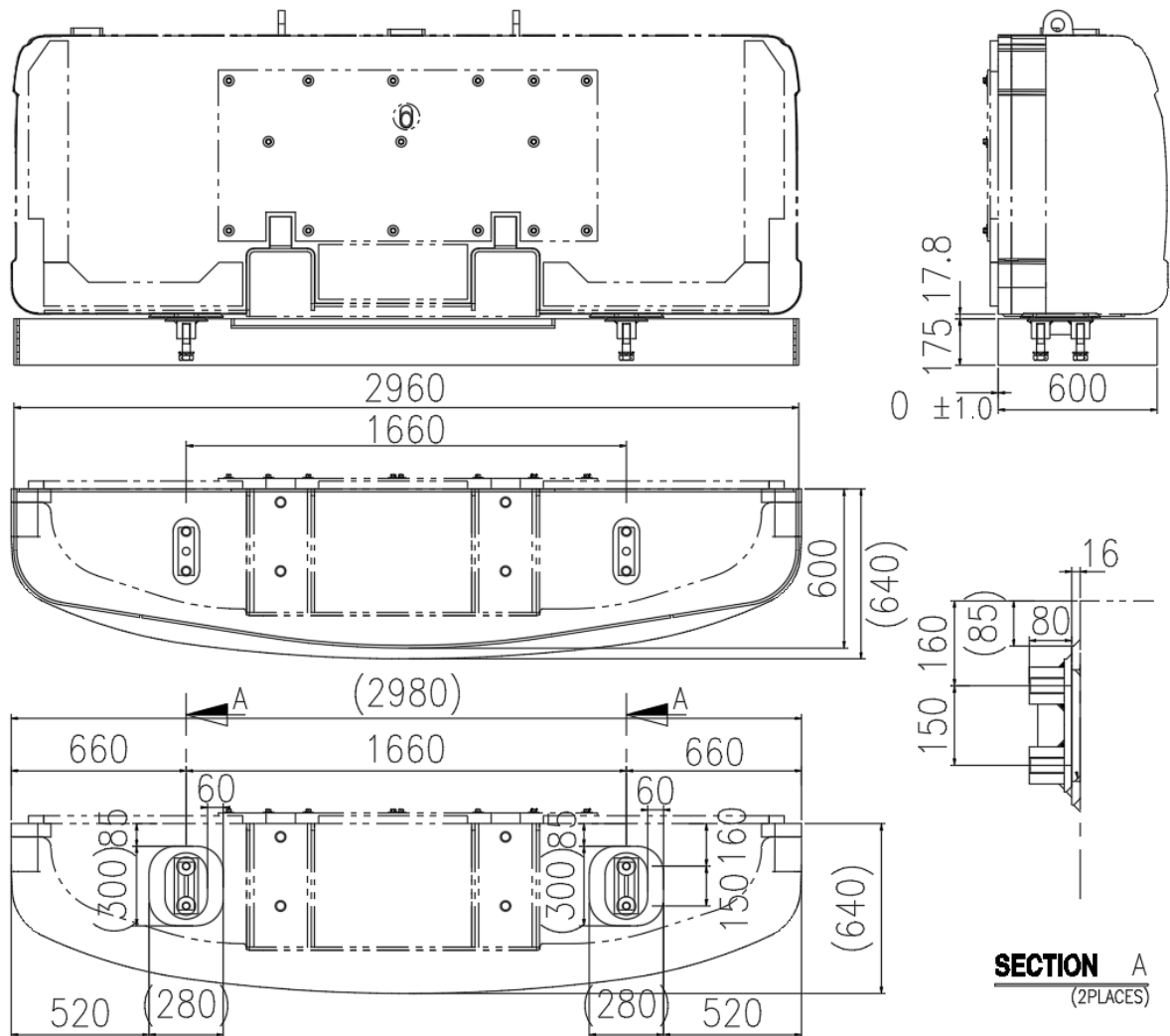
4. Additional Counter Weight

4-1. Installation of Additional Counter Weight

[Note]

1. Welding is CO₂ Arc.
2. Bolt tightening torque is 160 ± 20 kgf.m (1150 lb ft)
3. Please, check interference between track shoes and additional counter weight.

- 1) Like below figure, weld two reinforced plates.
- 2) Like following figure, weld two seats for screw to the underside of the reinforced plates.
- 3) Install the additional counter weight to seats for screw using M30x3.5 bolts.



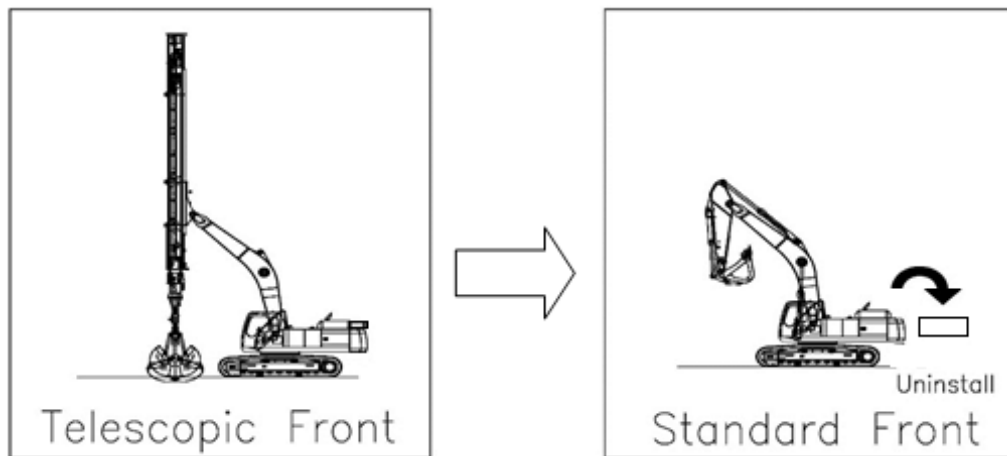
4-2. Detachment of Additional Counter Weight

Remove additional counterweight when working with standard front

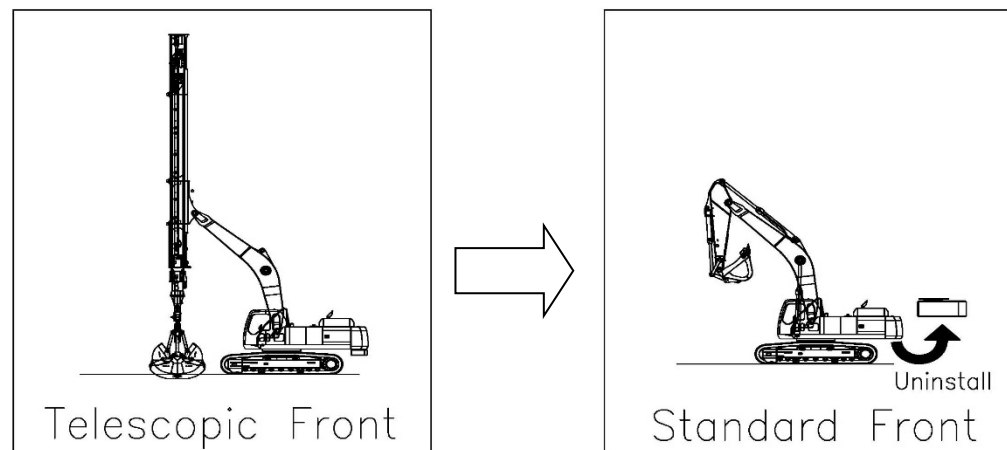
When operating machine with standard front attachment, remove additional counter weight. Otherwise, the machine may be damaged.

Contact Hyundai dealer before using 'breaker' or 'shear' attachment after changing to standard front (optional setting values may change).

***Top mounting Type**



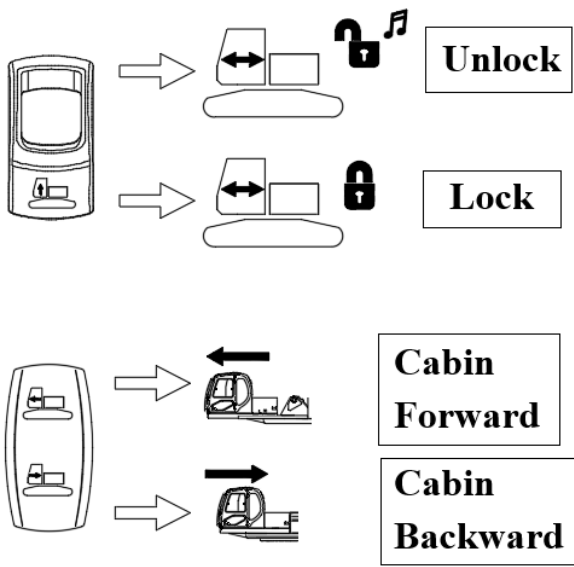
***Bottom Type**



5. Operation

Cabin Sliding Operation

-Switch



6. Maintenance

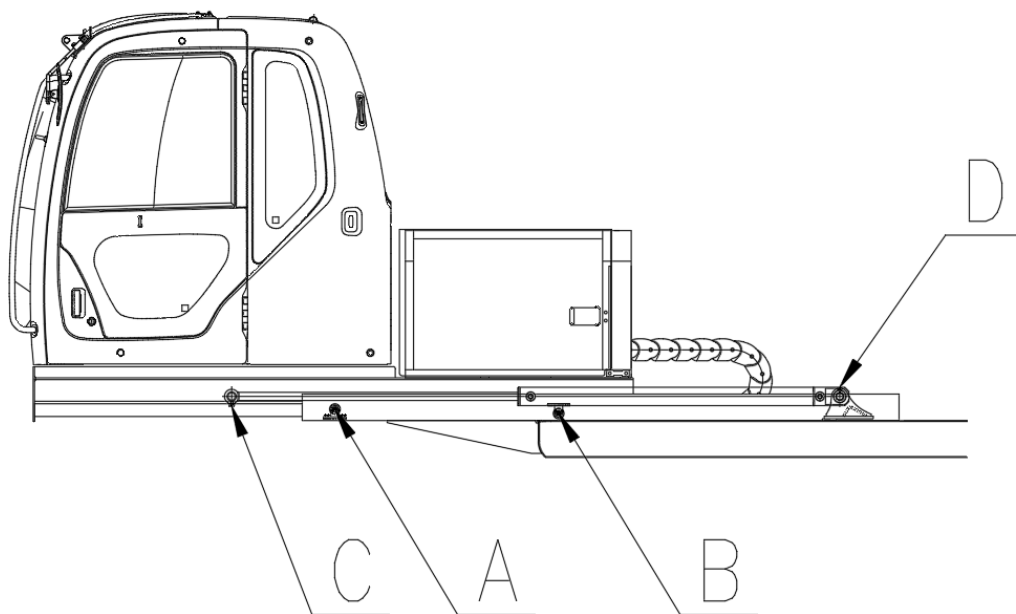
6-1. Greasing

- Greasing method

Disconnect each wire rope. Coat the wire rope surface with grease.

Contact Hyundai dealer for disconnecting wire ropes.

• Sliding Cabin System Greasing



Every 1000hrs or 6 months

A – Upper Side Surface of Sliding Rail

B – Side Surface of Sliding Rail

Every 500hrs Service

D – Sliding Cylinder Head Pin

C – Sliding Cylinder Rod Pin

Parts List

R320LC-9 TS

(SCS24-CE & ACW20B)

B. Electric System

WIRE HARNESS ASSEMBLY_SCS	-----B010
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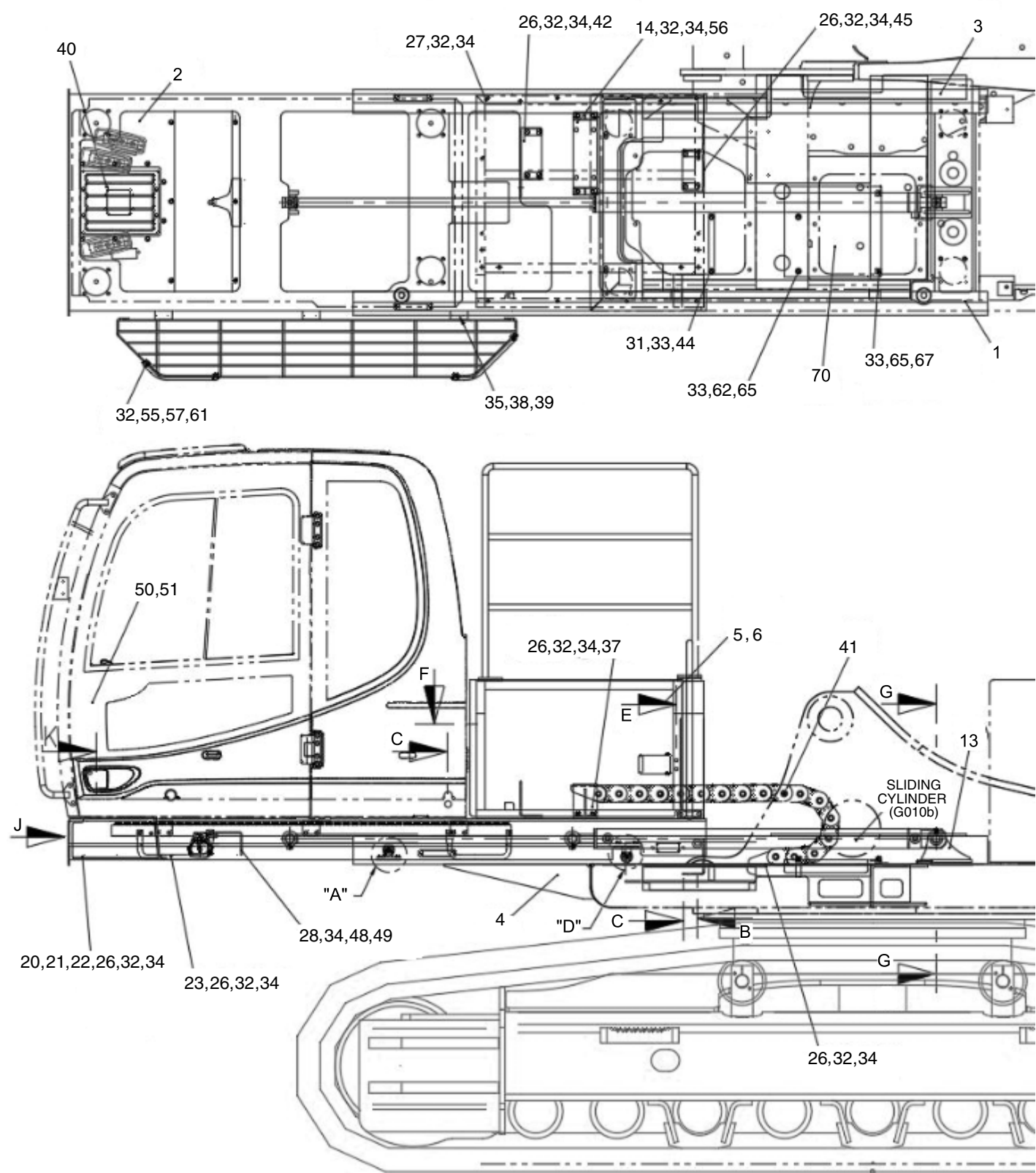
G. Structure System

CABIN SLIDING ASSEMBLY	-----G010
SLIDING CABIN CYLINDER	-----G010b
ADDITIONAL COUNTER WEIGHT	-----G060e

WIRE HARNESS ASSEMBLY (SCS)

R320LC-9 TS

ITEM	PART NO	DESCRIPTION	QTY	SERIAL NO	ITC	REMARK
1	XKDA-00945	SWITCH	1			
2	XKDA-01197	SWITCH-ACTIVATION	1			
3	XKDA-01198	ALARM-TRAVEL	1			
4	XKDA-01435	HARNESS-INSIDE CABIN	1			
5	XKDA-01436	HARNESS-OUTSIDE CABIN	1			



CABIN SLIDING ASSEMBLY

R320LC-9 TS

ITEM	PART NO	DESCRIPTION	QTY	SERIAL NO	ITC	REMARK
1	XKDA-01338	FRAME- GUIDE RAIL	1			
2	XKDA-01339	FRAME- BED	1			
3	XKDA-01340	FRAME- REINF	1			
4	XKDA-01341	SUPPORT- FRAME	1			
5	XKDA-01342	FRAME-HOUSE	1			
6	XKDA-01343	DOOR- SIDE	1			
8	XKDA-01345	ROLLER- GUIDE FR	2			
9	XKDA-01346	CAMERA	2			
10	XKDA-01347	PAD ASSY- 1	2			
10-1	XKDA-01348	. PLATE	1			
10-2	XKDA-01349	. PLATE	1			
10-3	XKDA-01350	. PAD-SPACER	1			
10-4	XKDA-01351	. SHIM	4			
10-5	XKDA-01352	. BOLT-SOCKET	2			
11	XKDA-01353	PAD ASSY- 2	2			
11-1	XKDA-01350	. PAD-SPACER	1			
11-2	XKDA-01351	. SHIM	4			
11-3	XKDA-01354	. PLATE	1			
11-4	XKDA-01355	. BOLT-SOCKET	2			
12	XKDA-01356	PAD ASSY- 3	2			
12-1	XKDA-01021	. BOLT-SOCKET	2			
12-2	XKDA-01357	. PLATE	1			
12-3	XKDA-01358	. PLATE	1			
12-4	XKDA-01359	. PAD-SPACER	1			
12-5	XKDA-01360	. SHIM	10			
13	XKDA-01361	BRACKET	1			
14	XKDA-01362	BRACKET	1			
15	XKDA-01363	PIN- CYL	2			
16	XKDA-01364	SPACER	2			
17	XKDA-01365	COVER- TOPSIDE	1			
18	XKDA-01366	COVER- SIDE	1			
19	XKDA-01367	COVER- REAR	1			
20	XKDA-01368	COVER- UNDER 1	1			
21	XKDA-01369	COVER- UNDER 2	1			
22	XKDA-01370	COVER- UNDER 3	1			
23	XKDA-01371	COVER- UNDER 4	1			
24	XKDA-01372	SHIM	5			
25	XKDA-01373	SHIM	2			
26	XKDA-01088	BOLT- HEX	46			
27	XKDA-00047	BOLT	14			

CABIN SLIDING ASSEMBLY

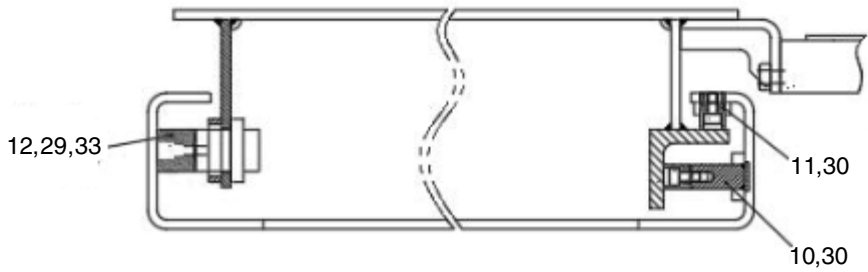
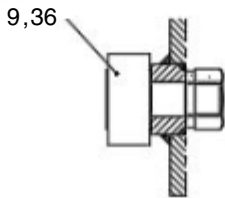
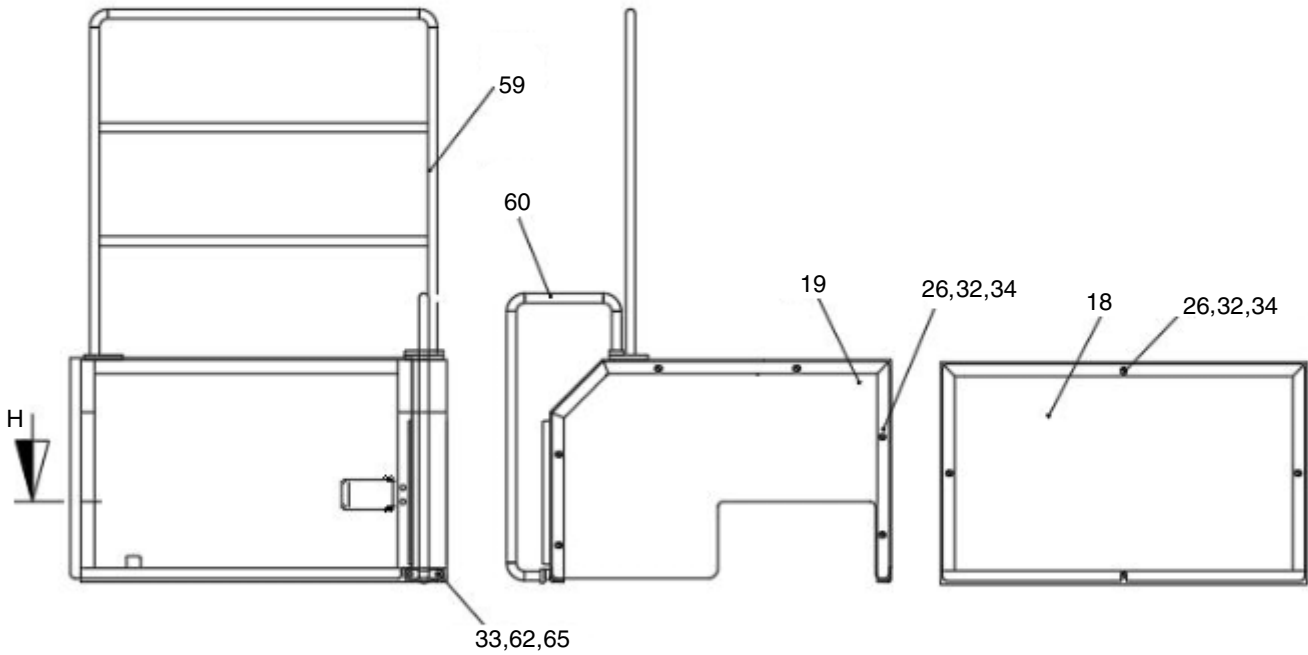
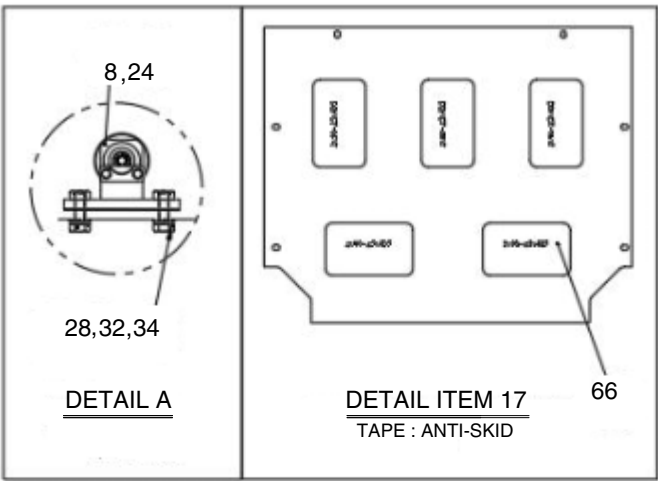
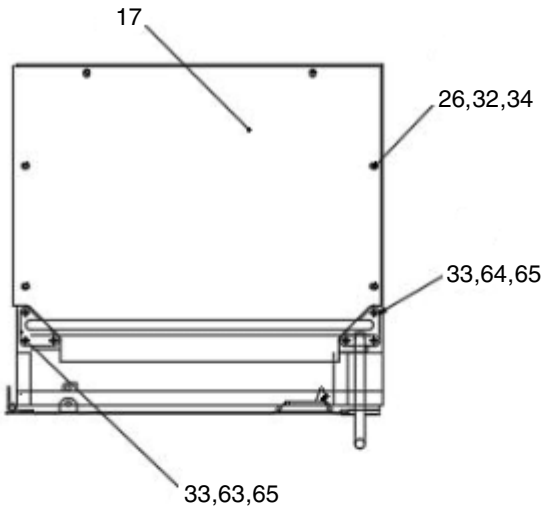
R320LC-9 TS

ITEM	PART NO	DESCRIPTION	QTY	SERIAL NO	ITC	REMARK
28	XKDA-00696	BOLT-HEX	14			
29	XKDA-01374	BOLT-HEX	4			
30	XKDA-01355	BOLT-SOCKET	8			
31	XKDA-01083	BOLT-HEX	2			
32	XKDA-00050	WASHER-SPRING	88			
33	XKDA-00049	WASHER-SPRING	18			
34	XKDA-00697	WASHER-PLAIN	100			
35	XKDA-00678	WASHER-SPRING	8			
36	XKDA-00897	WASHER-SPRING	2			
37	XKDA-00901	NUT	12			
38	XKDA-01375	BOLT-HEX	6			
39	XKDA-01376	STEP ASSY-SIDE	1			
40	XKDA-01377	PLATE-FLOOR	1			
41	XKDA-01378	GUARD-HOSE	1			LINK=15ea
42	XKDA-01379	BRACKET	1			
43	XKDA-01380	PIN-SPLIT	2			
44	XKDA-01381	HOSE	1			
45	XKDA-01382	BRACKET	1			
46	XKDA-01383	DOOR-SPACER	2			
47	XKDA-01384	ROLLER-GUIDE RR	2			
48	XKDA-01385	BRACKET	1			
49	XKDA-00981	LAMP-WORKING	1			
50	XKDA-01386	LEVER-TRAVEL LH	1			
51	XKDA-01387	LEVER-TRAVEL RH	1			
52	XKDA-01388	LOCK	1			
53	XKDA-01389	DOOR-SPACER	8			
54	XKDA-01390	BOLT-HEX	16			
55	XKDA-01391	BOLT-HEX	6			
56	XKDA-01392	BOLT-HEX	4			
57	XKDA-01393	WASHER	4			
58	XKDA-01394	STAY ASSY	1			
59	XKDA-01395	HANDRAIL-TOP	1			
60	XKDA-01396	HANDRAIL-SIDE	1			
61	XKDA-01397	HANDLE	2			
62	XKDA-01398	BOLT-HEX	4			
63	XKDA-01399	BOLT-HEX	4			
64	XKDA-01400	BOLT-HEX	2			
65	XKDA-00692	WASHER-PLAIN	12			
66	XKDA-00937	TAPE-ANTI SKID	5			
67	XKDA-00091	BOLT-HEX	2			

CABIN SLIDING ASSEMBLY

R320LC-9 TS

ITEM	PART NO	DESCRIPTION	QTY	SERIAL NO	ITC	REMARK
68	XKDA-00900	BOLT-HEX	8			
70	XKDA-01401	COVER	1			
71	XKDA-01402	PLATE	2			
72	XKDA-01403	PLATE	4			



CABIN SLIDING ASSEMBLY

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ITEM	PART NO	DESCRIPTION	QTY	SERIAL NO	ITC	REMARK
1	XKDA-01338	FRAME- GUIDE RAIL	1			
2	XKDA-01339	FRAME- BED	1			
3	XKDA-01340	FRAME- REINF	1			
4	XKDA-01341	SUPPORT- FRAME	1			
5	XKDA-01342	FRAME-HOUSE	1			
6	XKDA-01343	DOOR- SIDE	1			
8	XKDA-01345	ROLLER- GUIDE FR	2			
9	XKDA-01346	CAMERA	2			
10	XKDA-01347	PAD ASSY- 1	2			
10-1	XKDA-01348	. PLATE	1			
10-2	XKDA-01349	. PLATE	1			
10-3	XKDA-01350	. PAD-SPACER	1			
10-4	XKDA-01351	. SHIM	4			
10-5	XKDA-01352	. BOLT-SOCKET	2			
11	XKDA-01353	PAD ASSY- 2	2			
11-1	XKDA-01350	. PAD-SPACER	1			
11-2	XKDA-01351	. SHIM	4			
11-3	XKDA-01354	. PLATE	1			
11-4	XKDA-01355	. BOLT-SOCKET	2			
12	XKDA-01356	PAD ASSY- 3	2			
12-1	XKDA-01021	. BOLT-SOCKET	2			
12-2	XKDA-01357	. PLATE	1			
12-3	XKDA-01358	. PLATE	1			
12-4	XKDA-01359	. PAD-SPACER	1			
12-5	XKDA-01360	. SHIM	10			
13	XKDA-01361	BRACKET	1			
14	XKDA-01362	BRACKET	1			
15	XKDA-01363	PIN- CYL	2			
16	XKDA-01364	SPACER	2			
17	XKDA-01365	COVER- TOPSIDE	1			
18	XKDA-01366	COVER- SIDE	1			
19	XKDA-01367	COVER- REAR	1			
20	XKDA-01368	COVER- UNDER 1	1			
21	XKDA-01369	COVER- UNDER 2	1			
22	XKDA-01370	COVER- UNDER 3	1			
23	XKDA-01371	COVER- UNDER 4	1			
24	XKDA-01372	SHIM	5			
25	XKDA-01373	SHIM	2			
26	XKDA-01088	BOLT- HEX	46			
27	XKDA-00047	BOLT	14			

CABIN SLIDING ASSEMBLY

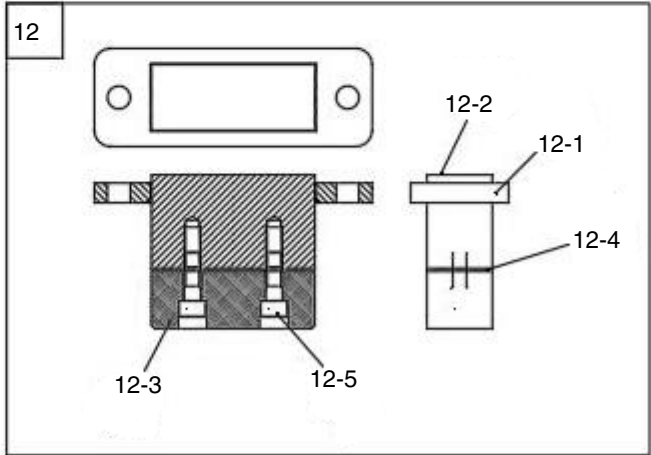
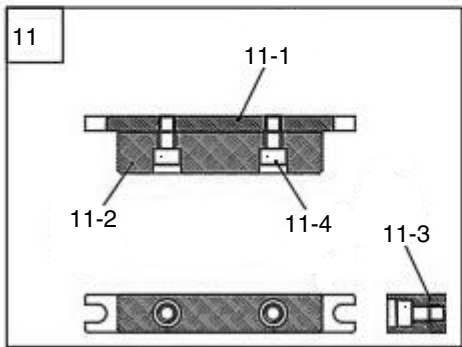
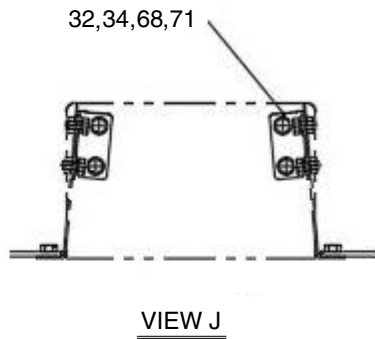
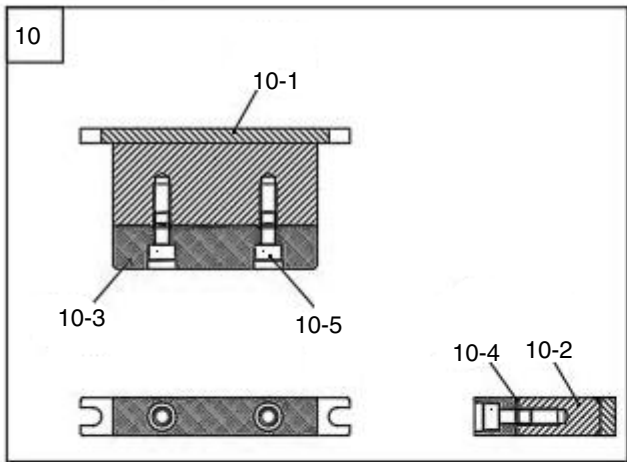
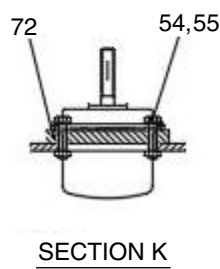
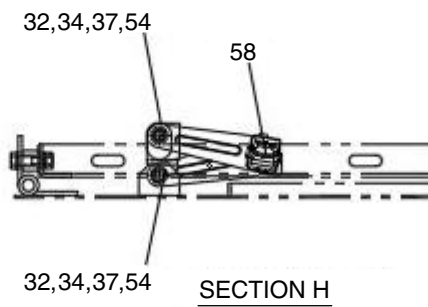
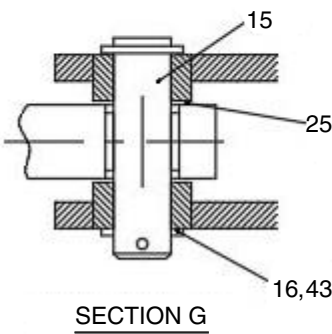
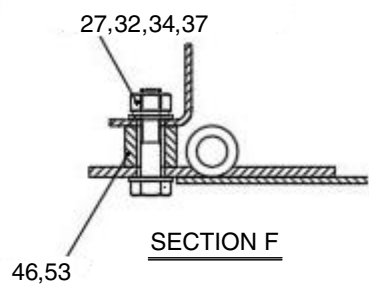
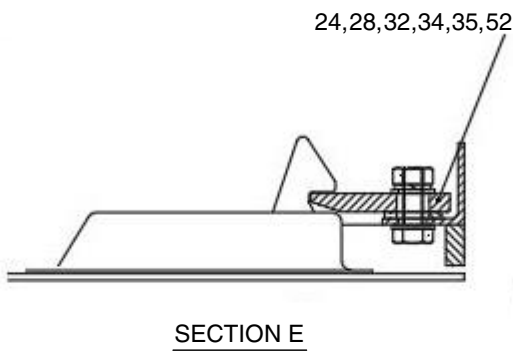
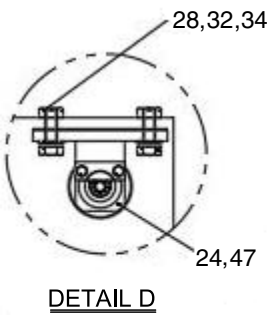
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33	XKDA-00049	WASHER-SPRING	18			
34	XKDA-00697	WASHER-PLAIN	100			
35	XKDA-00678	WASHER-SPRING	8			
36	XKDA-00897	WASHER-SPRING	2			
37	XKDA-00901	NUT	12			
38	XKDA-01375	BOLT-HEX	6			
39	XKDA-01376	STEP ASSY-SIDE	1			
40	XKDA-01377	PLATE-FLOOR	1			
41	XKDA-01378	GUARD-HOSE	1			LINK=15ea
42	XKDA-01379	BRACKET	1			
43	XKDA-01380	PIN-SPLIT	2			
44	XKDA-01381	HOSE	1			
45	XKDA-01382	BRACKET	1			
46	XKDA-01383	DOOR-SPACER	2			
47	XKDA-01384	ROLLER-GUIDE RR	2			
48	XKDA-01385	BRACKET	1			
49	XKDA-00981	LAMP-WORKING	1			
50	XKDA-01386	LEVER-TRAVEL LH	1			
51	XKDA-01387	LEVER-TRAVEL RH	1			
52	XKDA-01388	LOCK	1			
53	XKDA-01389	DOOR-SPACER	8			
54	XKDA-01390	BOLT-HEX	16			
55	XKDA-01391	BOLT-HEX	6			
56	XKDA-01392	BOLT-HEX	4			
57	XKDA-01393	WASHER	4			
58	XKDA-01394	STAY ASSY	1			
59	XKDA-01395	HANDRAIL-TOP	1			
60	XKDA-01396	HANDRAIL-SIDE	1			
61	XKDA-01397	HANDLE	2			
62	XKDA-01398	BOLT-HEX	4			
63	XKDA-01399	BOLT-HEX	4			
64	XKDA-01400	BOLT-HEX	2			
65	XKDA-00692	WASHER-PLAIN	12			
66	XKDA-00937	TAPE-ANTI SKID	5			
67	XKDA-00091	BOLT-HEX	2			

CABIN SLIDING ASSEMBLY

R320LC-9 TS

ITEM	PART NO	DESCRIPTION	QTY	SERIAL NO	ITC	REMARK
68	XKDA-00900	BOLT-HEX	8			
70	XKDA-01401	COVER	1			
71	XKDA-01402	PLATE	2			
72	XKDA-01403	PLATE	4			



CABIN SLIDING ASSEMBLY

R320LC-9 TS

ITEM	PART NO	DESCRIPTION	QTY	SERIAL NO	ITC	REMARK
1	XKDA-01338	FRAME- GUIDE RAIL	1			
2	XKDA-01339	FRAME- BED	1			
3	XKDA-01340	FRAME- REINF	1			
4	XKDA-01341	SUPPORT- FRAME	1			
5	XKDA-01342	FRAME-HOUSE	1			
6	XKDA-01343	DOOR- SIDE	1			
8	XKDA-01345	ROLLER- GUIDE FR	2			
9	XKDA-01346	CAMERA	2			
10	XKDA-01347	PAD ASSY- 1	2			
10-1	XKDA-01348	. PLATE	1			
10-2	XKDA-01349	. PLATE	1			
10-3	XKDA-01350	. PAD-SPACER	1			
10-4	XKDA-01351	. SHIM	4			
10-5	XKDA-01352	. BOLT-SOCKET	2			
11	XKDA-01353	PAD ASSY- 2	2			
11-1	XKDA-01350	. PAD-SPACER	1			
11-2	XKDA-01351	. SHIM	4			
11-3	XKDA-01354	. PLATE	1			
11-4	XKDA-01355	. BOLT-SOCKET	2			
12	XKDA-01356	PAD ASSY- 3	2			
12-1	XKDA-01021	. BOLT-SOCKET	2			
12-2	XKDA-01357	. PLATE	1			
12-3	XKDA-01358	. PLATE	1			
12-4	XKDA-01359	. PAD-SPACER	1			
12-5	XKDA-01360	. SHIM	10			
13	XKDA-01361	BRACKET	1			
14	XKDA-01362	BRACKET	1			
15	XKDA-01363	PIN- CYL	2			
16	XKDA-01364	SPACER	2			
17	XKDA-01365	COVER- TOPSIDE	1			
18	XKDA-01366	COVER- SIDE	1			
19	XKDA-01367	COVER- REAR	1			
20	XKDA-01368	COVER- UNDER 1	1			
21	XKDA-01369	COVER- UNDER 2	1			
22	XKDA-01370	COVER- UNDER 3	1			
23	XKDA-01371	COVER- UNDER 4	1			
24	XKDA-01372	SHIM	5			
25	XKDA-01373	SHIM	2			
26	XKDA-01088	BOLT- HEX	46			
27	XKDA-00047	BOLT	14			

CABIN SLIDING ASSEMBLY

R320LC-9 TS

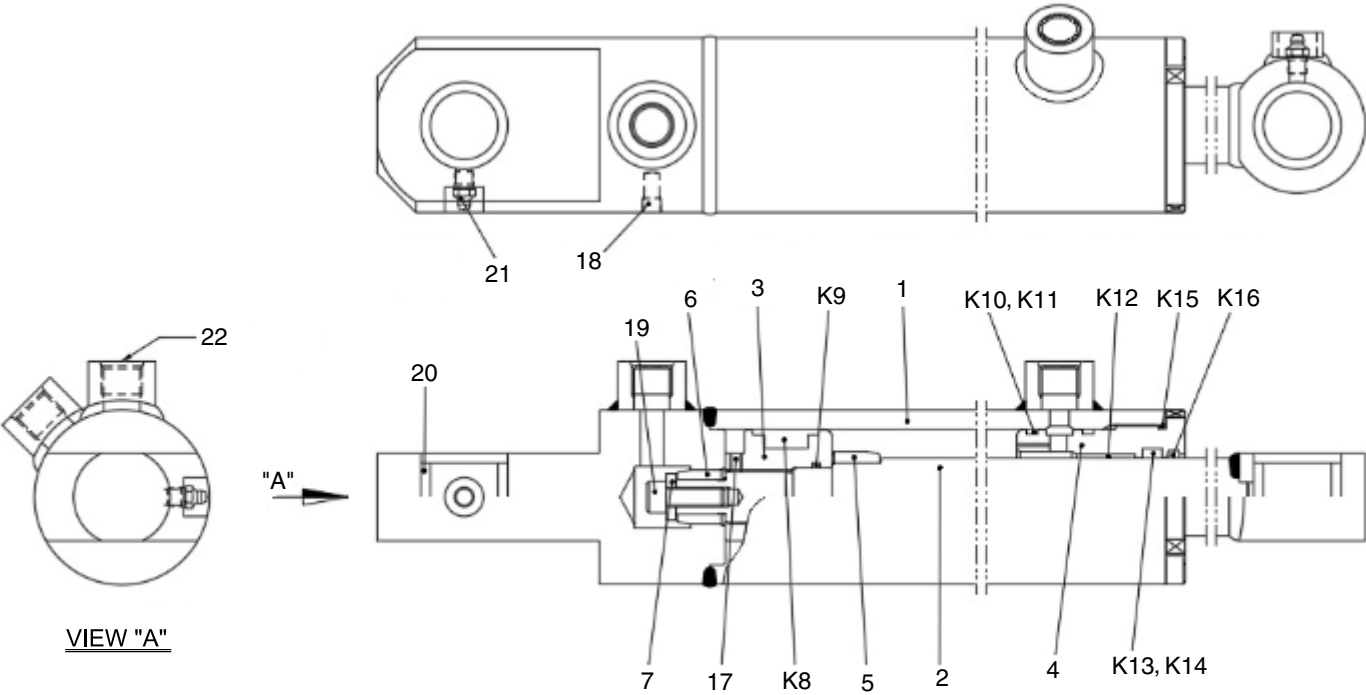
ITEM	PART NO	DESCRIPTION	QTY	SERIAL NO	ITC	REMARK
28	XKDA-00696	BOLT-HEX	14			
29	XKDA-01374	BOLT-HEX	4			
30	XKDA-01355	BOLT-SOCKET	8			
31	XKDA-01083	BOLT-HEX	2			
32	XKDA-00050	WASHER-SPRING	88			
33	XKDA-00049	WASHER-SPRING	18			
34	XKDA-00697	WASHER-PLAIN	100			
35	XKDA-00678	WASHER-SPRING	8			
36	XKDA-00897	WASHER-SPRING	2			
37	XKDA-00901	NUT	12			
38	XKDA-01375	BOLT-HEX	6			
39	XKDA-01376	STEP ASSY-SIDE	1			
40	XKDA-01377	PLATE-FLOOR	1			
41	XKDA-01378	GUARD-HOSE	1			LINK=15ea
42	XKDA-01379	BRACKET	1			
43	XKDA-01380	PIN-SPLIT	2			
44	XKDA-01381	HOSE	1			
45	XKDA-01382	BRACKET	1			
46	XKDA-01383	DOOR-SPACER	2			
47	XKDA-01384	ROLLER-GUIDE RR	2			
48	XKDA-01385	BRACKET	1			
49	XKDA-00981	LAMP-WORKING	1			
50	XKDA-01386	LEVER-TRAVEL LH	1			
51	XKDA-01387	LEVER-TRAVEL RH	1			
52	XKDA-01388	LOCK	1			
53	XKDA-01389	DOOR-SPACER	8			
54	XKDA-01390	BOLT-HEX	16			
55	XKDA-01391	BOLT-HEX	6			
56	XKDA-01392	BOLT-HEX	4			
57	XKDA-01393	WASHER	4			
58	XKDA-01394	STAY ASSY	1			
59	XKDA-01395	HANDRAIL-TOP	1			
60	XKDA-01396	HANDRAIL-SIDE	1			
61	XKDA-01397	HANDLE	2			
62	XKDA-01398	BOLT-HEX	4			
63	XKDA-01399	BOLT-HEX	4			
64	XKDA-01400	BOLT-HEX	2			
65	XKDA-00692	WASHER-PLAIN	12			
66	XKDA-00937	TAPE-ANTI SKID	5			
67	XKDA-00091	BOLT-HEX	2			

CABIN SLIDING ASSEMBLY

R320LC-9 TS

ITEM	PART NO	DESCRIPTION	QTY	SERIAL NO	ITC	REMARK
68	XKDA-00900	BOLT-HEX	8			
70	XKDA-01401	COVER	1			
71	XKDA-01402	PLATE	2			
72	XKDA-01403	PLATE	4			

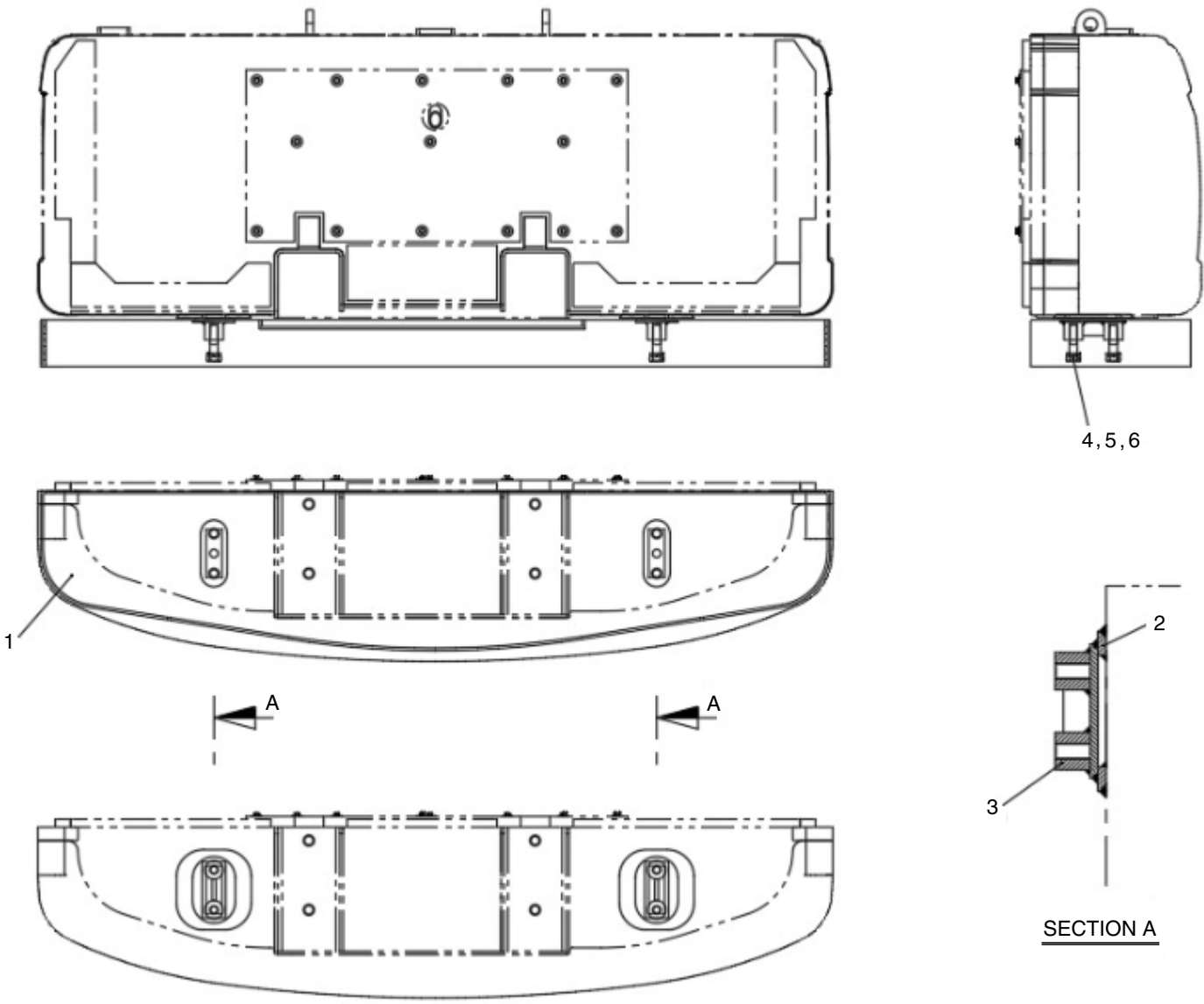
SLIDING CABIN CYLINDER



SLIDING CABIN CYLINDER

R320LC-9 TS

ITEM	PART NO	DESCRIPTION	QTY	SERIAL NO	ITC	REMARK
1	XKDA-01404	TUBE ASSY	1			
2	XKDA-01405	ROD	1			
3	XKDA-01406	PISTON	1			
4	XKDA-01407	COVER-ROD	1			
5	XKDA-01408	RING-CUSHION A	1			
6	XKDA-01409	RING-CUSHION B	1			
7	XKDA-01410	WASHER	1			
K8	XKDA-01411	SEAL-COMPACT	1			
K9	XKDA-01412	O-RING	1			
K10	XKDA-01413	O-RING	2			
K11	XKDA-01414	RING-BACK UP	2			
K12	XKDA-01415	BUSHING-DU	1			
K13	XKDA-01416	PACKING-U	1			
K14	XKDA-01417	RING-BACK UP	1			
K15	XKDA-01418	O-RING	1			
K16	XKDA-01419	WIPER-DUST	1			
17	XKDA-01420	SCREW-SET	1			
18	XKDA-01421	PLUG-HEX	1			
19	XKDA-01422	BOLT-WERENCH	1			
20	XKDA-01423	BUSHING-STEEL	2			
21	XKDA-01424	NIPPLE-GREASE	2			
22	XKDA-01425	CAP-DUST	2			
K	XKDA-01426	SEAL KIT	1			



ADDITIONAL COUNTER WEIGHT

R320LC-9 TS

ITEM	PART NO	DESCRIPTION	QTY	SERIAL NO	ITC	REMARK
1	XKDA-01428	COUNTERWEIGHT	1			
2	XKDA-01429	PLATE	2			
3	XKDA-01430	SCREW-SEAT	2			
4	XKDA-01431	BOLT-HEX	4			
5	XKDA-01432	WASHER-SPRING	4			
6	XKDA-01433	WASHER-PLAIN	4			

NUMERICAL PART INDEX

PART NO	PAGE	ITEM	PART NO	PAGE	ITEM	PART NO	PAGE	ITEM
XKDA - 00047	G010	27	XKDA - 01357	G010	12 - 2	XKDA - 01397	G010	61
XKDA - 00049	G010	33	XKDA - 01358	G010	12 - 3	XKDA - 01398	G010	62
XKDA - 00050	G010	32	XKDA - 01359	G010	12 - 4	XKDA - 01399	G010	63
XKDA - 00091	G010	67	XKDA - 01360	G010	12 - 5	XKDA - 01400	G010	64
XKDA - 00678	G010	35	XKDA - 01361	G010	13	XKDA - 01401	G010	70
XKDA - 00692	G010	65	XKDA - 01362	G010	14	XKDA - 01402	G010	71
XKDA - 00696	G010	28	XKDA - 01363	G010	15	XKDA - 01403	G010	72
XKDA - 00697	G010	34	XKDA - 01364	G010	16	XKDA - 01404	G010b	1
XKDA - 00897	G010	36	XKDA - 01365	G010	17	XKDA - 01405	G010b	2
XKDA - 00900	G010	68	XKDA - 01366	G010	18	XKDA - 01406	G010b	3
XKDA - 00901	G010	37	XKDA - 01367	G010	19	XKDA - 01407	G010b	4
XKDA - 00937	G010	66	XKDA - 01368	G010	20	XKDA - 01408	G010b	5
XKDA - 00945	B010	1	XKDA - 01369	G010	21	XKDA - 01409	G010b	6
XKDA - 00981	G010	49	XKDA - 01370	G010	22	XKDA - 01410	G010b	7
XKDA - 01021	G010	12 - 1	XKDA - 01371	G010	23	XKDA - 01411	G010b	K8
XKDA - 01083	G010	31	XKDA - 01372	G010	24	XKDA - 01412	G010b	K9
XKDA - 01088	G010	26	XKDA - 01373	G010	25	XKDA - 01413	G010b	K10
XKDA - 01197	B010	2	XKDA - 01374	G010	29	XKDA - 01414	G010b	K11
XKDA - 01198	B010	3	XKDA - 01375	G010	38	XKDA - 01415	G010b	K12
XKDA - 01338	G010	1	XKDA - 01376	G010	39	XKDA - 01416	G010b	K13
XKDA - 01339	G010	2	XKDA - 01377	G010	40	XKDA - 01417	G010b	K14
XKDA - 01340	G010	3	XKDA - 01378	G010	41	XKDA - 01418	G010b	K15
XKDA - 01341	G010	4	XKDA - 01379	G010	42	XKDA - 01419	G010b	K16
XKDA - 01342	G010	5	XKDA - 01380	G010	43	XKDA - 01420	G010b	17
XKDA - 01343	G010	6	XKDA - 01381	G010	44	XKDA - 01421	G010b	18
XKDA - 01345	G010	8	XKDA - 01382	G010	45	XKDA - 01422	G010b	19
XKDA - 01346	G010	9	XKDA - 01383	G010	46	XKDA - 01423	G010b	20
XKDA - 01347	G010	10	XKDA - 01384	G010	47	XKDA - 01424	G010b	21
XKDA - 01348	G010	10 - 1	XKDA - 01385	G010	48	XKDA - 01425	G010b	22
XKDA - 01349	G010	10 - 2	XKDA - 01386	G010	50	XKDA - 01426	G010b	K
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XKDA - 01351	G010	11 - 2	XKDA - 01389	G010	53	XKDA - 01430	G060e	3
XKDA - 01351	G010	10 - 4	XKDA - 01390	G010	54	XKDA - 01431	G060e	4
XKDA - 01352	G010	10 - 5	XKDA - 01391	G010	55	XKDA - 01432	G060e	5
XKDA - 01353	G010	11	XKDA - 01392	G010	56	XKDA - 01433	G060e	6
XKDA - 01354	G010	11 - 3	XKDA - 01393	G010	57	XKDA - 01435	B010	4
XKDA - 01355	G010	30	XKDA - 01394	G010	58	XKDA - 01436	B010	5
XKDA - 01355	G010	11 - 4	XKDA - 01395	G010	59			
XKDA - 01356	G010	12	XKDA - 01396	G010	60			