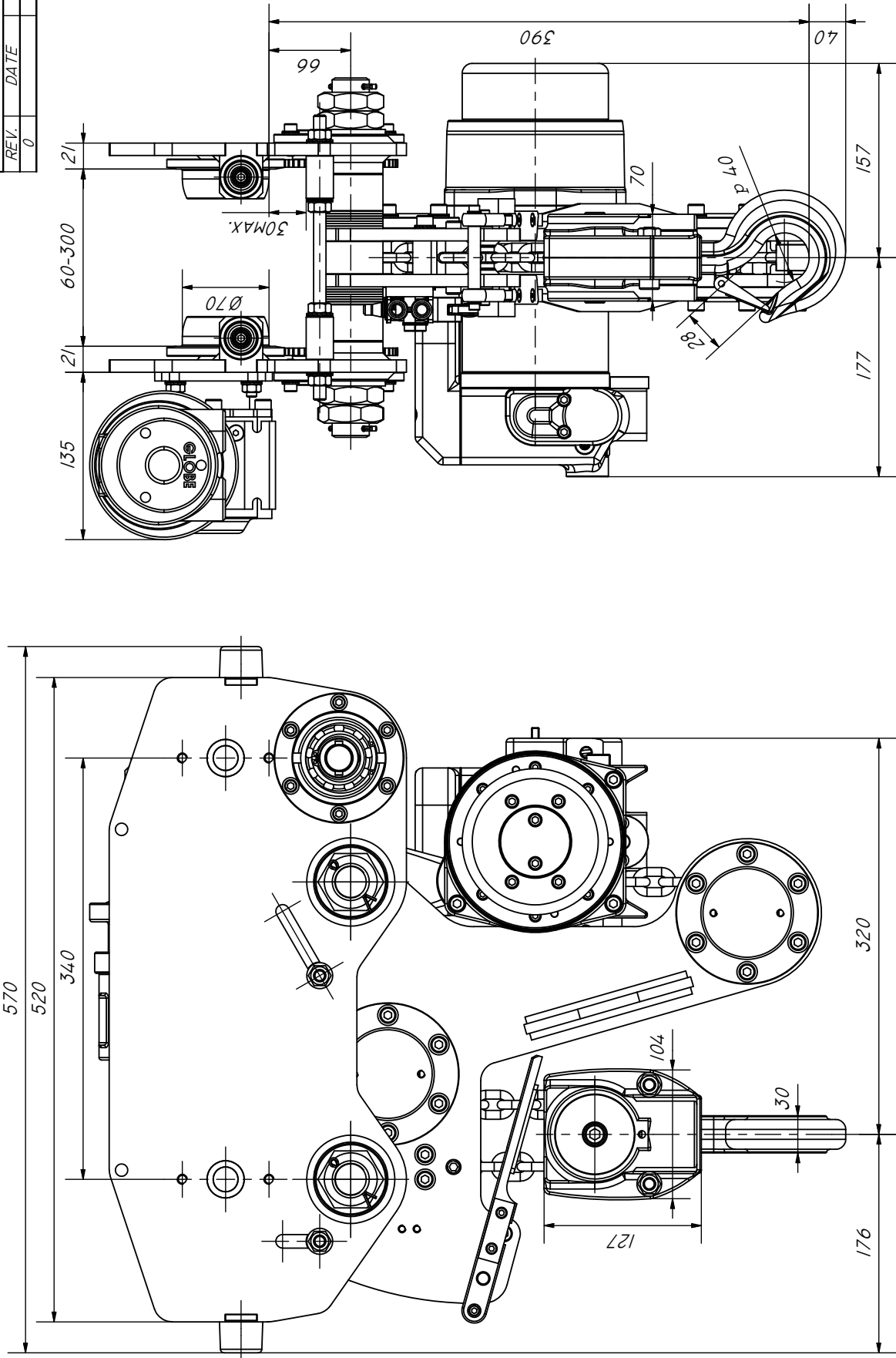
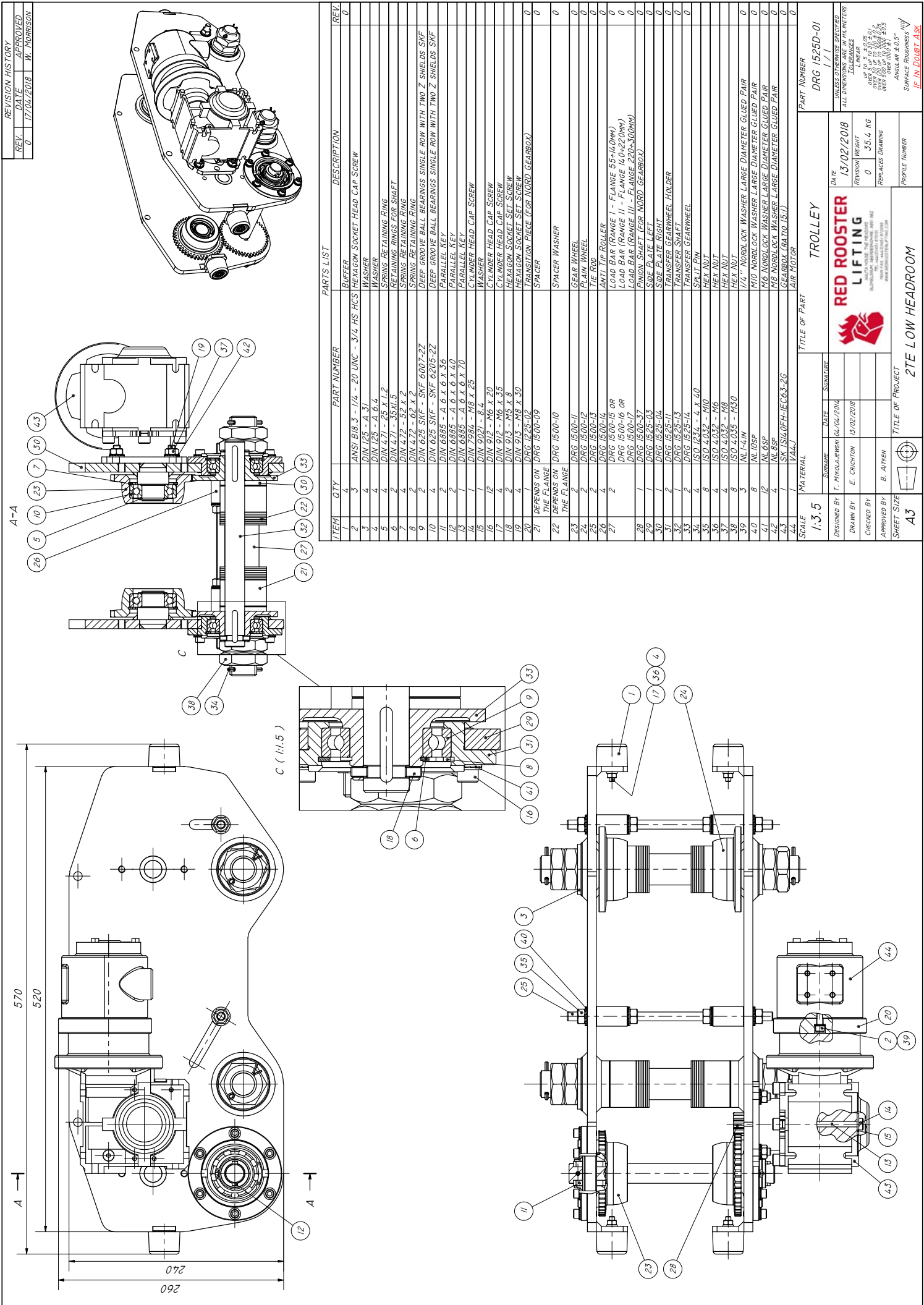


REVISION HISTORY		
REV.	DATE	APPROVED
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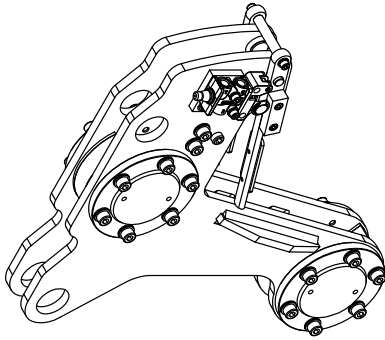
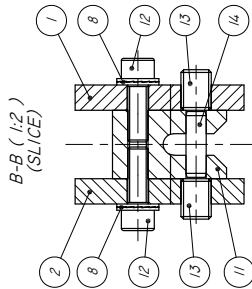
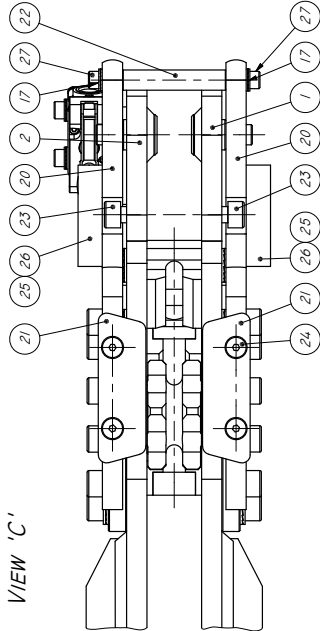


SCALE NOT TO SCALE		MATERIAL		TITLE OF PART		PART NUMBER	
DESIGNED BY DRAWN BY CHECKED BY APPROVED BY		SURNAME		DATE	SIGNATURE	2T LOW HEADROOM HOIST	
		T. MIKOLAJEWSKI		07/04/2014		DRG 1525-00	
		T. MIKOLAJEWSKI		06/02/2018		1 / 1	
		B. AITKEN					
SHEET SIZE		TITLE OF PROJECT		DATE		UNLESS OTHERWISE SPECIFIED	
A4				RED ROOSTER LIFTING		ALL DIMENSIONS ARE IN MILLIMETERS	
						TOLERANCES	
				MAGIA AEROSPACE THE HEADQUARTERS C/O PHOTONICS LTD. 2801 HWY 7 MILN BAY, ONT. L5M 1G7 CAN. TEL. 443(20)651 8720 FAX 443(20)651 8720H WWW.HEADROOMLIFTING.COM		LINEAR	
						UP TO 5 b 0.05 OVER 5 UP TO 50 b 0.1 OVER 50 UP TO 120 b 0.2 OVER 120 UP TO 500 b 0.3 OVER 500 UP TO 1000 b 0.5 OVER 1000 b 1	
						ANGULAR b 0.5°	
						SURFACE ROUGHNESS $\sqrt{R}$	
						IF IN DOUBT ASK	

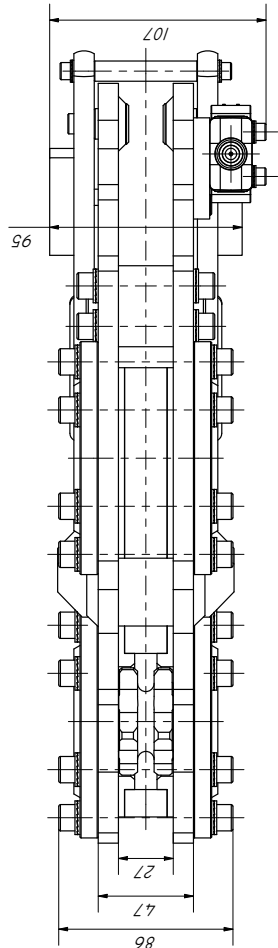
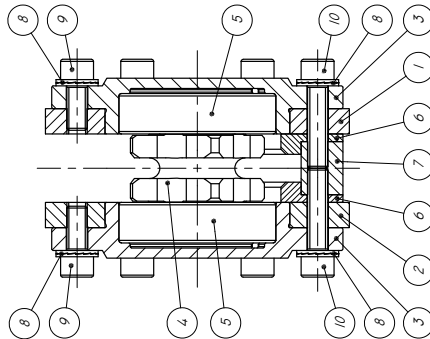
REVISION HISTORY		
REV	DATE	APPROVED
0	17/04/2018	W. MORRISON



REVISION HISTORY		
REV.	DATE	APPROVED
0		

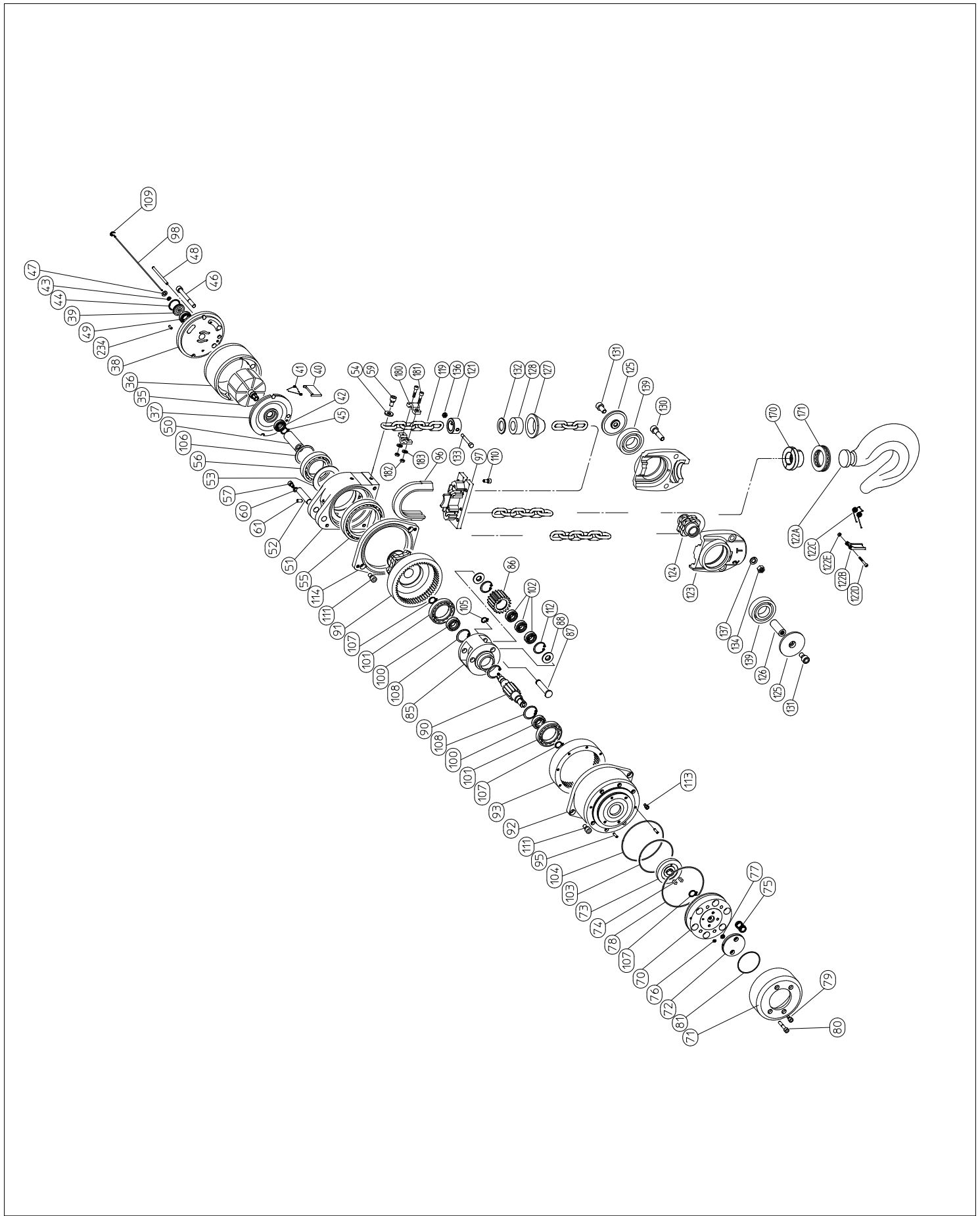


A-A (1:2)



ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	DRG 1525-05	LOW HEADROOM - SIDE PLATE LEFT	0
2	1	DRG 1525-06	LOW HEADROOM - SIDE PLATE RIGHT	0
3	4	DRG 1525-12	FOCKET WHEEL HOLDER	0
4	2	L22000R00	FREE CHAIN WHEEL	0
5	4	DRG 425 SKF - SKF 4206-22	DEEP GROOVE BALL BEARINGS SINGLE ROW WITH TWO Z SHIELDS SKF	0
6	4	DRG 1525-10	CHAIN GUIDE 1	0
7	2	DRG 1525-18	CHAIN GUIDE 11	0
8	28	NL8SP	M8 NORDLOCK WASHER LARGE DIAMETER GLUED PAIR	0
9	16	DIN 912 - M8 x 20	CYLINDER HEAD CAP SCREW	0
10	8	DIN 912 - M8 x 35	CYLINDER HEAD CAP SCREW	0
11	1	DRG 1525-17	CHAIN ANCHOR	0
12	4	DIN 912 - M8 x 25	CYLINDER HEAD CAP SCREW	0
13	2	DIN 913 - M12 x 16	HEXAGON SOCKET SET SCREW	0
14	1	ISO 8734 - 8 x 26 - A	PARALLEL PIN	0
15	1	DRG 1525-20	MOUNTING PLATE FOR LIMIT SWITCH	0
16	2	DIN 912 - M6 x 12	CYLINDER HEAD CAP SCREW	0
17	4	NL5SP	M5 NORDLOCK WASHER LARGE DIAMETER GLUED PAIR	0
18	2	DIN 912 - M5 x 30	CYLINDER HEAD CAP SCREW	0
19	1	10309302	LIMIT SWITCH	0
20	2	DRG 1540-10	PUSHER	0
21	2	DRG 1540-10	LEVER PLATE	0
22	2	DRG 1540-10	PUSHER LINK	0
23	2	DIN 912 - M8 x 12	CYLINDER HEAD CAP SCREW	0
24	2	DIN 7901 - M8 x 10	HEXAGON SOCKET CONTOURWINK HEAD CAP SCREWS	0
25	4	DIN 912 - M5 x 16	CYLINDER HEAD CAP SCREW	0
26	2	DRG 1525-21	PUSHER BALLAST	0
27	2	DIN 912 - M5 x 10	CYLINDER HEAD CAP SCREW	0

PART NUMBER		
DRG 1525D-02		
1 / 1		
UNLESS OTHERWISE SPECIFIED		
ALL DIMENSIONS ARE IN MILLIMETERS		
TOLERANCES		
LINEAR		
OVER 0 TO 25 ±0.05		
OVER 25 TO 50 ±0.1		
OVER 50 TO 100 ±0.15		
OVER 100 TO 200 ±0.2		
OVER 200 TO 500 ±0.3		
OVER 500 TO 1000 ±0.5		
OVER 1000 TO 2000 ±0.7		
OVER 2000 TO 5000 ±1.0		
OVER 5000 TO 10000 ±1.5		
ANGULAR ±0.5°		
SURFACE ROUGHNESS		
IF IN DOUBT ASK		
DESIGNED BY: T. MROGA-ENSKI		
DATE: 31/01/2018		
DRAWN BY: E. CRICHTON		
CHECKED BY:		
APPROVED BY: B. AITKEN		
SHEET SIZE: A3		
TITLE OF PROJECT: 2TE LOW HEADROOM		
PROFILE NUMBER:		
REVISION WEIGHT: 0		
REPLACES DRAWING:		



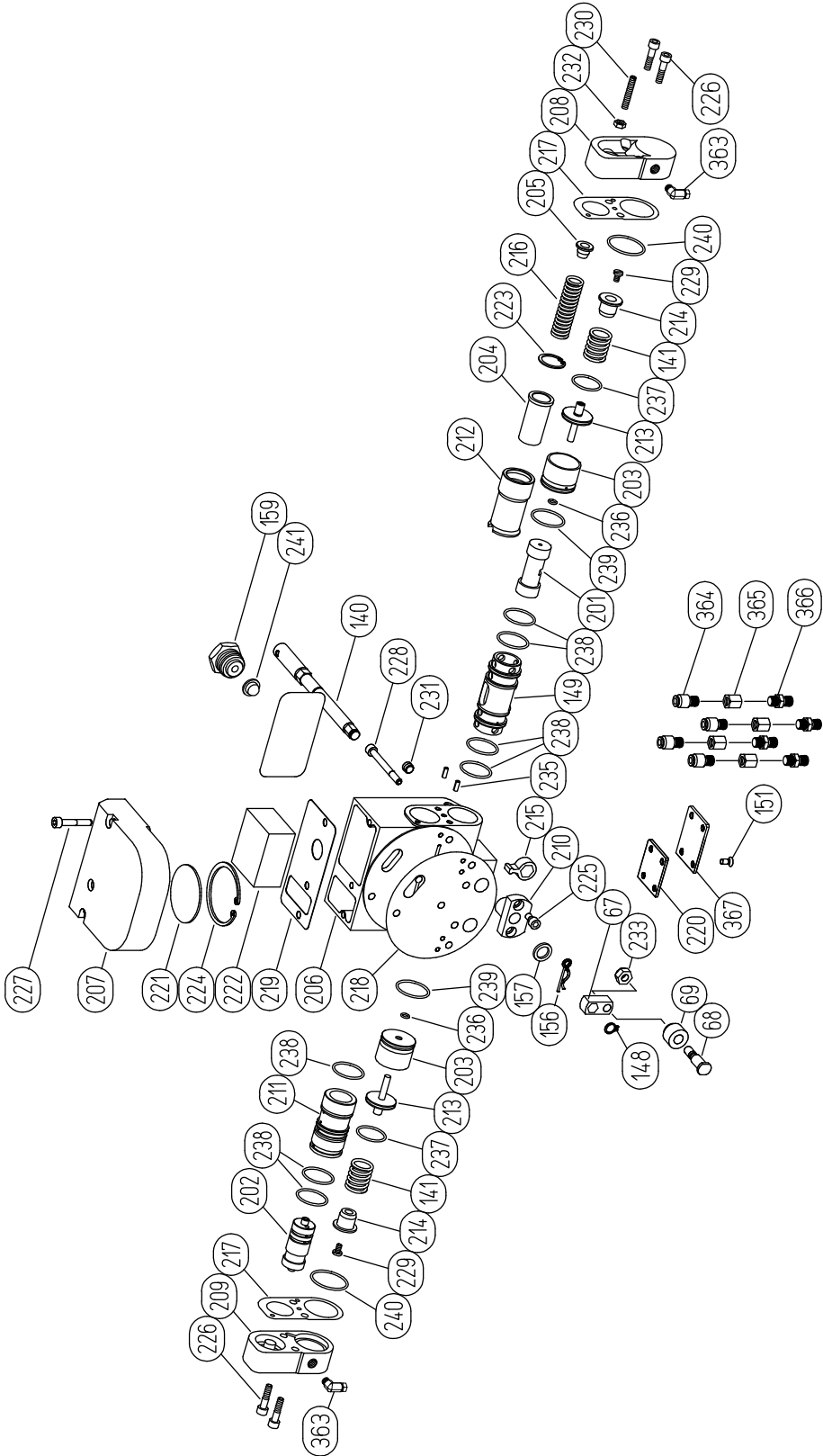


RED ROOSTER LIFTING

Hoist Body - TCR-2000/2-LHR

Fig. No.	Part Number	Part Name	Parts Per Hoist
035	426224151	ROTOR	1
036	426224161	STATOR	1
037	426224171	FRONT PLATE	1
038	426224184	REAR PLATE	1
039	426224191	REAR RETAINER	1
040	137102120	VANE	8
041	130802235	LIFT SPRING	8
042	130113002	BEARING 6902	1
043	131103004	O-RING S-6	1
044	131103023	O-RING S-29	1
045	130302015	RETAINING RING S-15	1
046	131708075	HEX SOCKET HEAD CAP SCREW M8X75	3
047	131307006	WASHER M6	1
048	130402051	KNOCK PIN	1
049	130104003	BEARING 6002	1
050	426224200	COUPLING	1
051	426224212	WHEEL HOUSING	1
052	426224220	HANGER PIN	1
053	426224230	SPACER 1	
054	426261R50	WASHER	1
055	130113015	BEARING 6915	1
056	130104010	BEARING 6009	1
057	131706012	HEX SOCKET HEAD CAP SCREW M6X12	1
059	131708025	HEX SOCKET HEAD CAP SCREW M8X25	1
060	426221R50	WASHER	1
061	132108012	HEX SOCKET SET SCREW M8X12	1
070	426224401	BRAKE PISTON	1
071	426224410	BRAKE COVER	1
072	426224421	PISTON COVER	1
073	426224430	BRAKE DISC	1
074	130408081	KEY	2
075	130802213	DISC SPRING	6
076	131103002	O-RING S-4	1
077	131101004	O-RING P-6	1
078	131103055	O-RING S-105	1
079	131706012	HEX SOCKET HEAD CAP SCREW M6X12	2
080	131706040	HEX SOCKET HEAD CAP SCREW M6X40	4
081	131117033	O-RING AS568-033	1
085	426266240	CAGE	1
086	426266250	STAR GEAR	3
087	426266260	PIN	3
088	426266270	THRUST COLLAR	6
090	426266290	PINION	1
091	426266300	WHEEL	1
092	426266310	GEAR CASE	1
093	426266320	RING GEAR	1
095	426266340	DOWEL PIN	4
096	426266351	CHAIN GUIDE	1
097	426266360	CHAIN SEPARATOR	1
098	426224381	BRAKE TUBE	1
100	130104003	BEARING 6002	2

Fig. No.	Part Number	Part Name	Parts Per Hoist
101	130113008	BEARING 6908	2
102	130104002	BEARING 6001	9
103	131117042	O-RING AS568-042	1
104	131103055	O-RING S-105	1
105	130302012	RETAINING RING S-12	3
106	130302045	RETAINING RING S-45	1
107	130302015	RETAINING RING S-15	3
108	130301032	RETAINING RING H-32	2
109	130303005	RETAINING RING E-5	1
110	131706012	HEX SOCKET HEAD CAP SCREW M6X12	4
111	131708016	HEX SOCKET HEAD CAP SCREW M8X16	6
112	130301028	RETAINING RING H-28	6
113	131705010	HEX SOCKET HEAD CAP SCREW M5X10	6
114	426266640	ADAPTER	1
119	AHC71/80	LINK CHAIN 7.1mm	HOL
121	426266390	END STOPPER	1
122	420645PAE	HOOK (W/SAFETY CLAW)	1
122A	420645PF1	HOOK	1
122B	420645911	HOOK SAFETY CLAW	1
122C	130802046	HOOK SPRING	1
122D	131704028	HEX SOCKET HEAD CAP SCREW M4X28	1
122E	134501004	U-NUT M4	1
123	426286590	UNDER HOOK METAL	1
124	426001RB0	FREE CHAIN WHEEL	1
125	420866QH0	UNDER HOOK METAL COVER	2
126	420866Q10	UNDER HOOK METAL SHAFT	1
127	426266450	LIMIT LOCK	1
128	136206003	SHOCK ABSORBER	1
130	131710045	HEX SOCKET HEAD CAP SCREW M10X45	2
131	131710020	HEX SOCKET HEAD CAP SCREW M10X20	2
132	426266C80	LIMIT WASHER	1
133	426224680	END BOLT	1
134	134501010	U-NUT M10	2
136	134501006	U-NUT M6	1
137	131301010	SPRING WASHER M10	2
139	130109007	BEARING 6206ZZ	2
170	426286710	THRUST RING	1
171	130121108	THRUST BEARING 51108	1
180	420620JF0	CHAIN DOWN STOPPER	2
181	131705022	HEX SOCKET HEAD CAP SCREW M5X22	2
182	134401005	HEX NUT M5	2
183	131301005	SPRING WASHER M5	2
234	130406005	PARALLEL PIN 4X10 (H7)	2

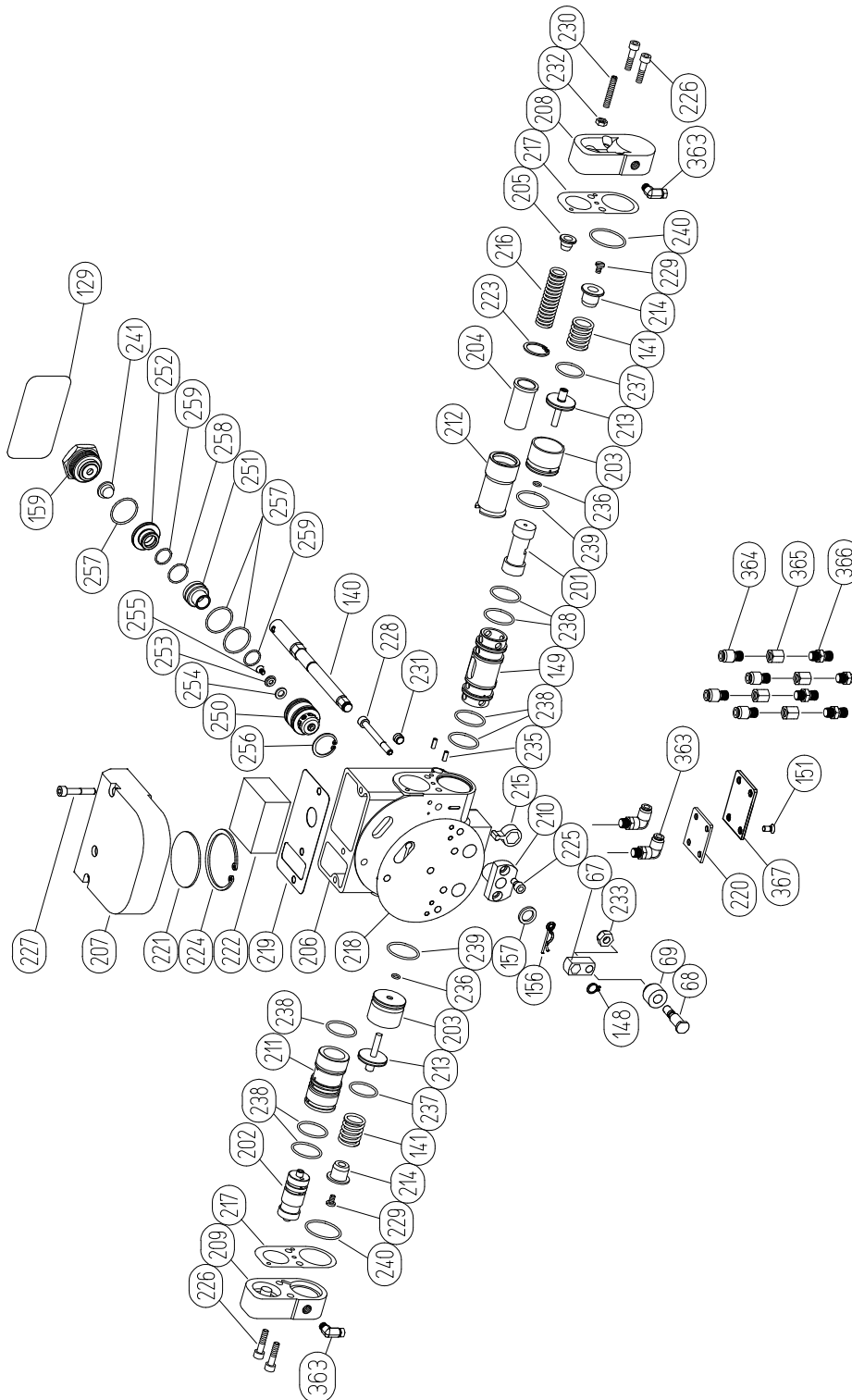


Pendant Body - TCR-2000/2-LHR

Fig. No.	Part Number	Part Name	Parts Per Hoist
067	426224110	CHAIN LEVER	1
068	426224120	ROLLER SHAFT	1
069	426224130	LIMIT ROLLER	1
140	426224460	LIMIT SHAFT	1
141	130802217	SPRING 19.5X25X2.6	2
148	130302010	RETAINING RING S-10	1
149	426224C30	MAIN BUSHING	1
151	132805010	HEX FLAT HEAD MACHINE SCREW M5X10	4
156	130790012	SNAP PIN 12	1
157	426325750	WASHER	1
159	134703060	INLET BUSHING	1
201	426224013	MAIN SPOOL	1
202	426224021	BRAKE SPOOL	1
203	426224C20	SPOOL CYLINDER	2
204	426224041	BRAKE RETAINER	1
205	426224051	BRAKE NUT	1
206	426224063	VALVE BODY	1
207	426224070	TOP COVER	1
208	426224083	SIDE COVER (L)	1
209	426224093	SIDE COVER (R)	1
210	426224101	LIMIT GUIDE	1
211	426224C40	BRAKE BUSHING	1
212	426224C50	LIMIT BUSHING	1
213	426224C60	SPOOL PISTON	2
214	426224C70	SPRING SEAT	2
215	426224140	LIMIT LEVER	1
216	130802216	SPRING 15X59X2.4	1
217	136102164	SIDE PACKING (N)	2
218	136102161	VALVE PACKING	1
219	136102162	TOP PACKING	1
220	136102163	UNDER PACKING	1
221	137402030	EXHAUST SILENCER	1
222	137402031	NYLON SILENCER	1
223	130301025	RETAINING RING H-25	1
224	130301058	RETAINING RING H-58	1
225	131706012	HEX SOCKET HEAD CAP SCREW M6X12	2
226	131706025	HEX SOCKET HEAD CAP SCREW M6X25	4
227	131706040	HEX SOCKET HEAD CAP SCREW M6X40	3
228	131706060	HEX SOCKET HEAD CAP SCREW M6X60	3
229	132405008	CROSS-RECESSED HEAD MACHINE SCREW M5X8	2
230	132306035	HEX SOCKET SET SCREW M6X35	1
231	134902003	HEX SOCKET PIPE PLUG 1/8	1
232	134403006	HEX NUT M6	1
233	134501008	U-NUT M8	1
235	130604010	SPRING PIN 4X10	2
236	131103004	O-RING S-6	2
237	131103021	O-RING S-26	2

Fig. No.	Part Number	Part Name	Parts Per Hoist
238	131103022	O-RING S-28	7
239	131103024	O-RING S-30	2
240	131103027	O-RING S-34	2
241	136803032	1/2 NET SCREEN	1
363	P091	1/8 BSP TO 6MM BANJO	2
364	P087	1/8 BSP TO 6MM PUSH FIT	4
365	P044	1/8 BSP FEMALE SOCKET	4
366	P071/1	1/8 BSP HEX NIPPLE c/w 60° CONE	4
367A	COND/BRKT/HOIST	PENDANT BRACKET 9M BELOW	1
367B	COND/BRKT/SYJA2	PENDANT BRACKET 10M ABOVE	1
367C	DRG1354-05	PENDANT BRACKET 9M BELOW	1
367D	DRG1354-04	PENDANT BRACKET 10M ABOVE	1

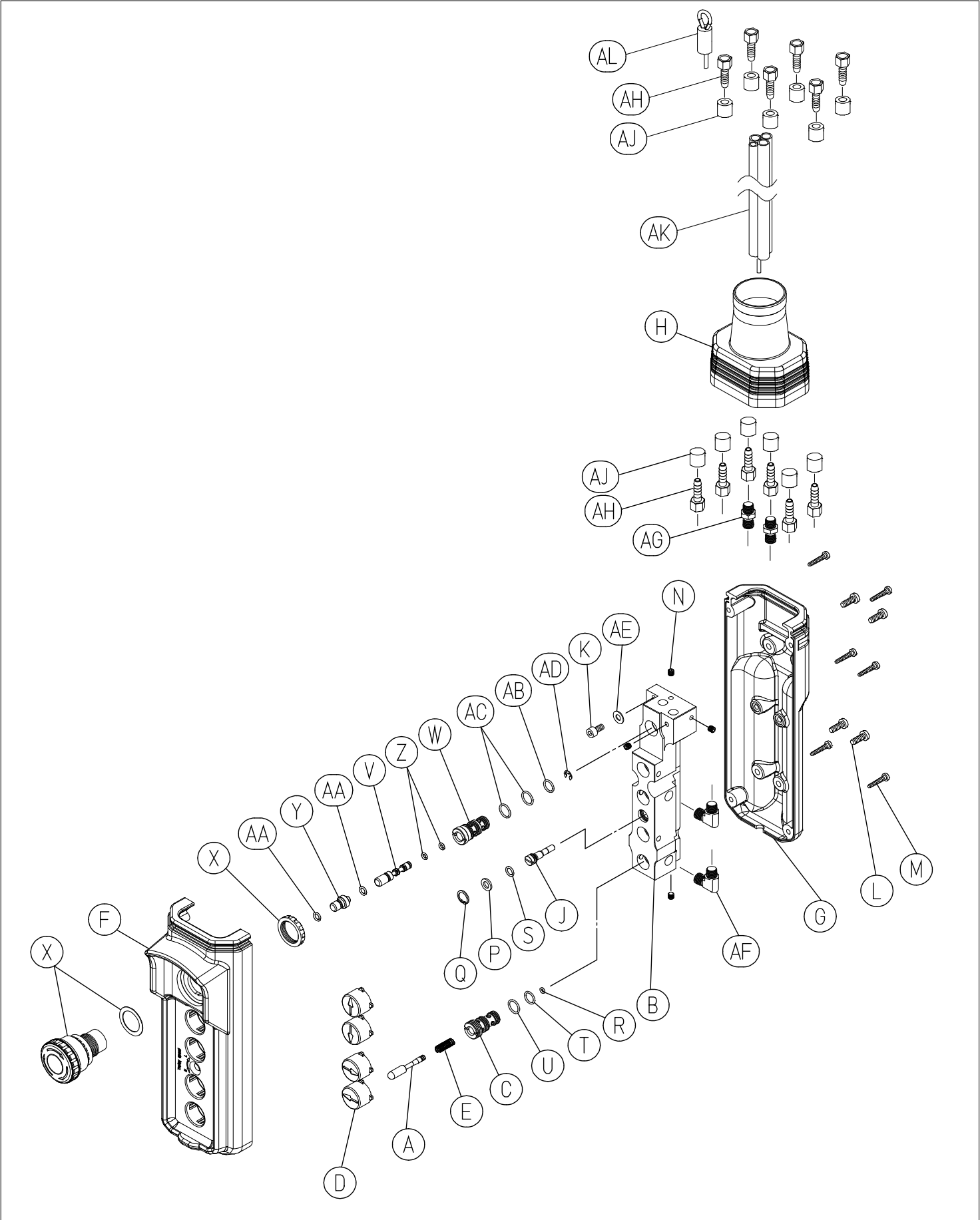
Built-In Mains Emergency Stop Valve Pendant Body - TCR-2000/2-LHR



Built-In Mains Emergency Stop Valve Pendant Body - TCR-2000/2-LHR

Fig. No.	Part Number	Part Name	Parts Per Hoist
067	426224110	CHAIN LEVER	1
068	426224120	ROLLER SHAFT	1
069	426224130	LIMIT ROLLER	1
134	137109078	NAME PLATE	1
140	426224460	LIMIT SHAFT	1
141	130802217	SPRING 19.5X25X2.6	2
148	130302010	RETAINING RING S-10	1
149	426224C30	MAIN BUSHING	1
151	132805010	HEX FLAT HEAD MACHINE SCREW M5X10	4
156	130790012	SNAP PIN 12	1
157	426325750	WASHER	1
159	426226G60	INLET BUSHING	1
201	426224013	MAIN SPOOL	1
202	426224021	BRAKE SPOOL	1
203	426224C20	SPOOL CYLINDER	2
204	426224041	BRAKE RETAINER	1
205	426224051	BRAKE NUT	1
206	426226060	VALVE BODY	1
207	426224070	TOP COVER	1
208	426224083	SIDE COVER (L)	1
209	426224093	SIDE COVER (R)	1
210	426224101	LIMIT GUIDE	1
211	426224C40	BRAKE BUSHING	1
212	426224C50	LIMIT BUSHING	1
213	426224C60	SPOOL PISTON	2
214	426224C70	SPRING SEAT	2
215	426224140	LIMIT LEVER	1
216	130802216	SPRING 15X59X2.4	1
217	136102164	SIDE PACKING (N)	2
218	136102161	VALVE PACKING	1
219	136102162	TOP PACKING	1
220	136102163	UNDER PACKING	1
221	137402030	EXHAUST SILENCER	1
222	137402031	NYLON SILENCER	1
223	130301025	RETAINING RING H-25	1
224	130301058	RETAINING RING H-58	1
225	131706012	HEX SOCKET HEAD CAP SCREW M6X12	2
226	131706025	HEX SOCKET HEAD CAP SCREW M6X25	4
227	131706040	HEX SOCKET HEAD CAP SCREW M6X40	3
228	131706060	HEX SOCKET HEAD CAP SCREW M6X60	3
229	132405008	CROSS-RECESSED HEAD MACHINE SCREW M5X8	2
230	132306035	HEX SOCKET SET SCREW M6X35	1
231	134902003	HEX SOCKET PIPE PLUG 1/8	1
232	134403006	HEX NUT M6	1
233	134501008	U-NUT M8	1
235	130604010	SPRING PIN 4X10	2
236	131103004	O-RING S-6	2
237	131103021	O-RING S-26	2

Fig. No.	Part Number	Part Name	Parts Per Hoist
238	131103022	O-RING S-28	7
239	131103024	O-RING S-30	2
240	131103027	O-RING S-34	2
241	136803032	1/2 NET SCREEN	1
250	426226G70	MAIN CUT BUSHING	1
251	426226G80	MAIN VALVE	1
252	426226G90	MAIN CUT CAP	1
253	426226H00	MAIN CUT HOLDER	1
254	136102167	MAIN CUT SEAT	1
255	132904208	CROSS RECESSED HEAD SCREWS M4X8	1
256	130301030	RETAINING RING H-30	1
257	131117023	O-RING AS568-023	3
258	131103016	O-RING S-20	1
259	131103014	O-RING S-16	2
363	P091	1/8 BSP TO 6MM BANJO	4
364	P087	1/8 BSP TO 6MM PUSH FIT	4
365	P044	1/8 BSP FEMALE SOCKET	4
366	P071/1	1/8 BSP HEX NIPPLE c/w 60° CONE	4
367A	COND/BRKT/HOIST	PENDANT BRACKET 9M BELOW	1
367B	COND/BRKT/SYJA2	PENDANT BRACKET 10M ABOVE	1
367C	DRG1354-05	PENDANT BRACKET 9M BELOW	1
367D	DRG1354-04	PENDANT BRACKET 10M ABOVE	1



Pendant - VRD-4R

Fig. No.	Part Number	Part Name	Parts Per Hoist
A	420218VB0	THROTTLE VALVE	4
B	420235VR0	VALVE BODY	1
C	420218VF0	BUSHING	4
D	420235X40	BUTTON	4
E	130802036	SPRING 6X18X0.32	4
F	420235W50	FRONT CASE	1
G	420235W60	REAR CASE	1
H	136608256	BOOT	1
J	420235VM0	ADJUST SCREW	1
K	131705310	HEX SOCKET HEAD CAP SCREW M5X10	1
L	132404114	PHILLIPS HEAD MACHINE SCREW M5X14	4
M	132904221	SELF TAPPING SCREW 4X20	6
N	132105305	HEX SOCKET HEAD CAP SCREW M5X5	4
P	131309206	WASHER M6	1
Q	130301912	RETAINING RING H-12	1
R	131109001	O-RING S-3 (HS90°)	4
S	131103005	O-RING S-7	1
T	131103008	O-RING S-10	4
U	131103009	O-RING S-11.2	4
V	420224V61	EMERGENCY VALVE	1
W	420228V50	EMERGENCY BUSHING	1
X	136690503	EMERGENCY SWITCH	1
Y	420228W00	PUSH ROD	1
Z	131103002	O-RING S-4	2
AA	131103004	O-RING S-6	2
AB	131103008	O-RING S-10	1
AC	131103009	O-RING S-11.2	2
AD	130303204	RETAINING RING E-4	1
AE	131307105	WASHER M5	1
AF	P128	1/8 BSP COMPACT ELBOW C/W 60° CONE	4
AG	P071/1	1/8 BSP NIPPLE C/W 60° CONE	2
AH	P016/1	1/8 BSP TO 1/4 HOSETAIL SWIVEL	12
AJ	P002/1	1/4 HOSE FERRULE	12
AL		STRAINER WIRE	1
AK	1/4-HOSE	1/4 ANTI STATIC RUBBER HOSE	6