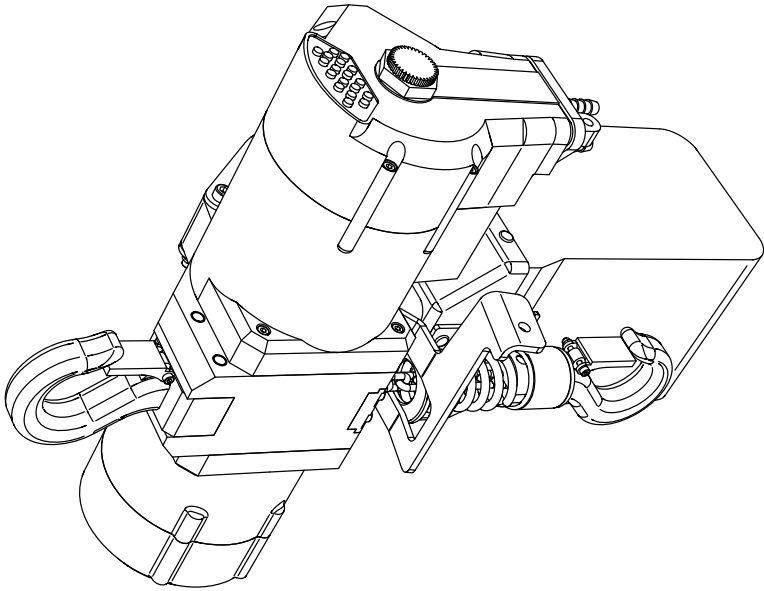
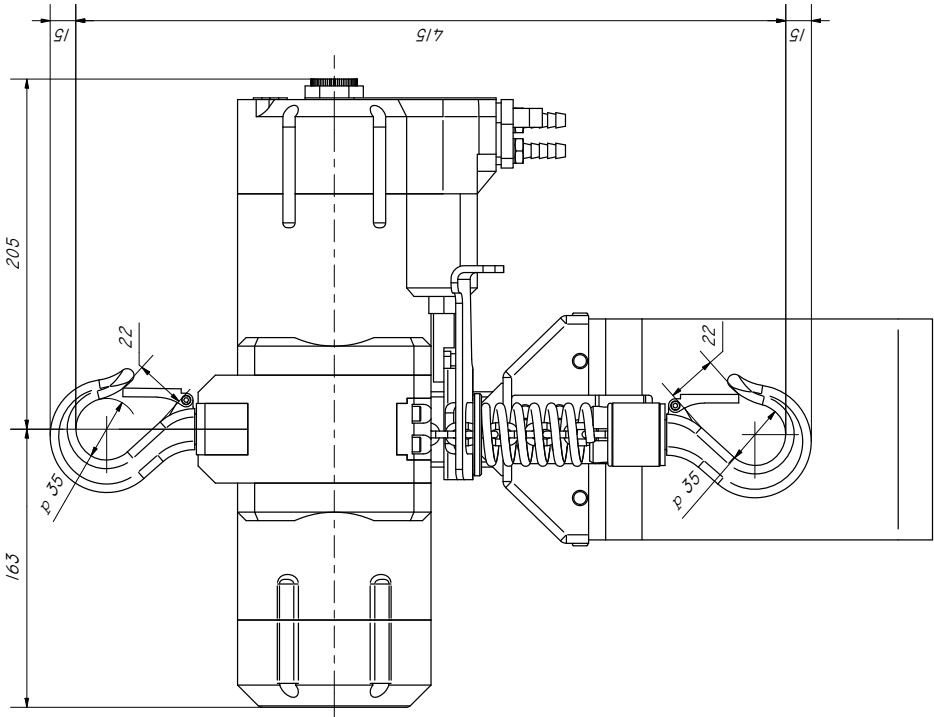
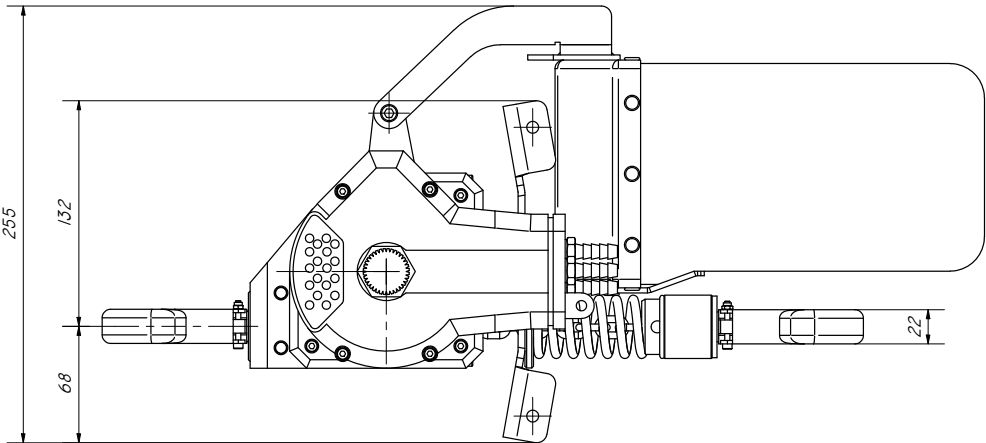


REVISION HISTORY		
REV.	DATE	APPROVED
1		



SCALE		MATERIAL		TITLE OF PART		GENERAL ASSEMBLY		PART NUMBER	
1:3								DRG 1368C06	
DESIGNED BY		SIGNATURE		DATE		DATE		UNLESS OTHERWISE SPECIFIED	
DRAWN BY		ADAM MISALA		04/11/2010		26/01/2018		ALL DIMENSIONS ARE IN MILLIMETERS	
CHECKED BY		E. CRICHTON		26/01/2018		REVISION WEIGHT		TOLERANCES	
APPROVED BY		B. AITKEN				1		UP TO 5 ± 0.05 5 TO 10 ± 0.1 10 TO 25 ± 0.15 25 TO 50 ± 0.2 50 TO 100 ± 0.3 OVER 100 ± 0.5	
SHEET SIZE				TITLE OF PROJECT		REPLACES DRAWING		ANGULAR 6 0.5°	
A3				TCS-500		N/A		SURFACE ROUGHNESS	
								IF IN DOUBT ASK	



This exploded view diagram illustrates the assembly of a mechanical component, likely a pump or motor housing. The diagram is organized into several distinct sections, each enclosed by a dashed line, representing different sub-assemblies or functional groups. The components are identified by numerical callouts ranging from 154 to 287. The assembly process is shown from the base housing (bottom left) through intermediate components like the impeller (middle left) and the main body (middle right) to the final assembly with various seals and fasteners (top right). The diagram uses standard engineering conventions, with lines indicating the relative positions and assembly sequence of the parts.

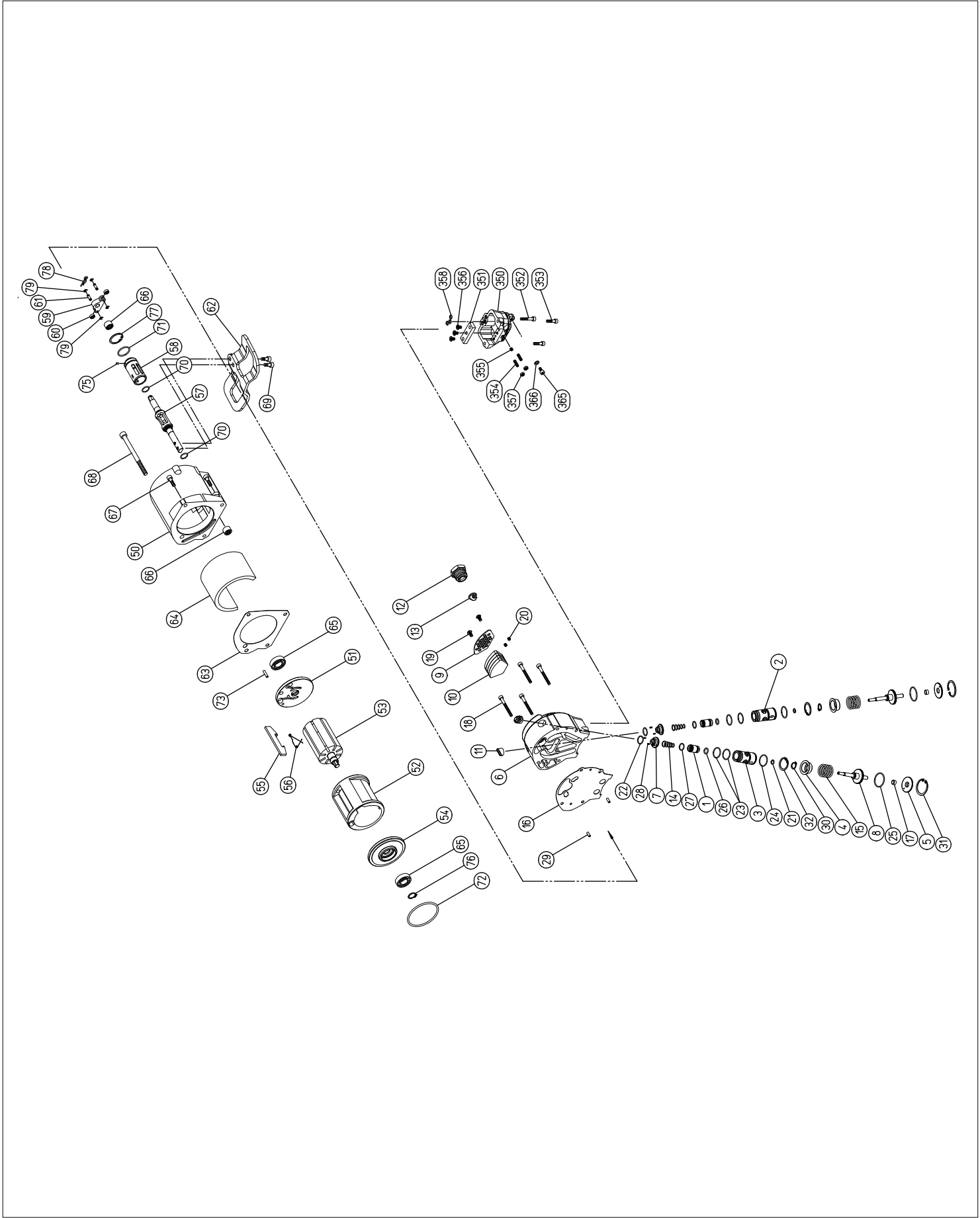


RED ROOSTER LIFTING

Brake Gears Suspension Body - TCS-500

Fig. No.	Part Number	Part Name	Parts Per Hoist
100	426230A00	CENTRE HOUSING	1
101	426230A50	LOAD SHEAVE	1
102	426230200	COUPLING	1
103	426230350	CHAIN GUIDE	1
104	426230360	CHAIN SEPARATOR	1
105	130106009	BEARING 6008ZZ	2
106	131706020	HEX SOCKET HEAD CAP SCREW M6X20	4
107	132106006	HEX SOCKET SET SCREW M6X6	1
108	131103006	O-RING S-8	1
109	131103052	O-RING S-90	1
110	131117043	O-RING AS568-043	1
111	130608060	SPRING PIN 8X60	2
114	AHC63/80	CHAIN 6.3mm	HOL
150	426230410	BRAKE COVER	1
151	426230400	BRAKE PISTON	1
152	426230430	BRAKE DISC	1
153	130802213	DISC SPRING	6
154	137301064	NAME PLATE	1
155	131706045	HEX SOCKET HEAD CAP SCREW M6X45	4
156	132105005	HEX SOCKET SET SCREW M5X5	1
157	131103052	O-RING S-90	1
158	131103045	O-RING S-65	1
200	426230310	GEAR CASE	1
201	426230A60	FIRST PINION	1
202	426230A70	FIRST STAR GEAR	3
203	426230A80	FIRST PIN	3
204	426230E10	FIRST RING GEAR	1
205	426230E20	SECOND PINION	1
206	426230E30	SECOND STAR GEAR	3
207	426230E40	SECOND PIN	3
208	426230E50	SECOND RING GEAR	1
209	426230240	CAGE	1
210	426230890	LOCK SCREW	1
211	426230900	BRAKE PLATE	1
212	130113001	BEARING 6900	2
213	130120004	BEARING EE-4	1
214	130104006	BEARING 6005	1
215	130131020	NEEDLE BEARING TA1020Z	3
216	130131212	NEEDLE BEARING TA1212	3
217	131706020	HEX SOCKET HEAD CAP SCREW M6X20	3
218	131908015	HEX SOCKET BUTTON SCREW M8X15	1
219	131307012	WASHER M12	3
220	131307008	WASHER M8	1
221	131103006	O-RING S-8	1
222	131103052	O-RING S-90	1
223	130603014	SPRING PIN 3X14	2
224	130606015	SPRING PIN 6X15	2
225	130302012	RETAINING RING S-12	3
250	420982PF1	HOOK	1

Fig. No.	Part Number	Part Name	Parts Per Hoist
251	420620P11	HOOK SAFETY CLAW	1
252	131704028	HEX SOCKET HEAD CAP SCREW M4X28	1
253	130802046	HOOK SPRING	1
254	426230570	HOOK END PIECE	1
255	132805025	HEX FLAT HEAD MACHINE SCREWM5X25	2
256	134501004	U-NUT M4	1
260	426230931	SWIVEL HOOK	1
261	420645P11	HOOK SAFETY CLAW	1
262	131704028	HEX SOCKET HEAD CAP SCREW M4X28	1
263	130802046	HOOK SPRING	1
264	134501004	U-NUT M4	1
270	130502020	STEEL BALL 5/16	7
271	426230800	UNDER HOOK HOLDER	1
272	420846PY0	SWIVEL HOOK PLUG	1
273	426230760	SLEEVE	1
274	426230E70	SLEEVE PIN	1
275	130802286	LOCK RING	1
280	130802219	SPRING 30X55X5	1
281	426230G20	CHAIN WASHER	1
284	420620JF0	CHAIN DOWN STOPPER	2
285	131705022	HEX SOCKET HEAD CAP SCREW M5X22	2
286	134401005	HEX NUT M5	2
287	131301005	SPRING WASHER M5	2

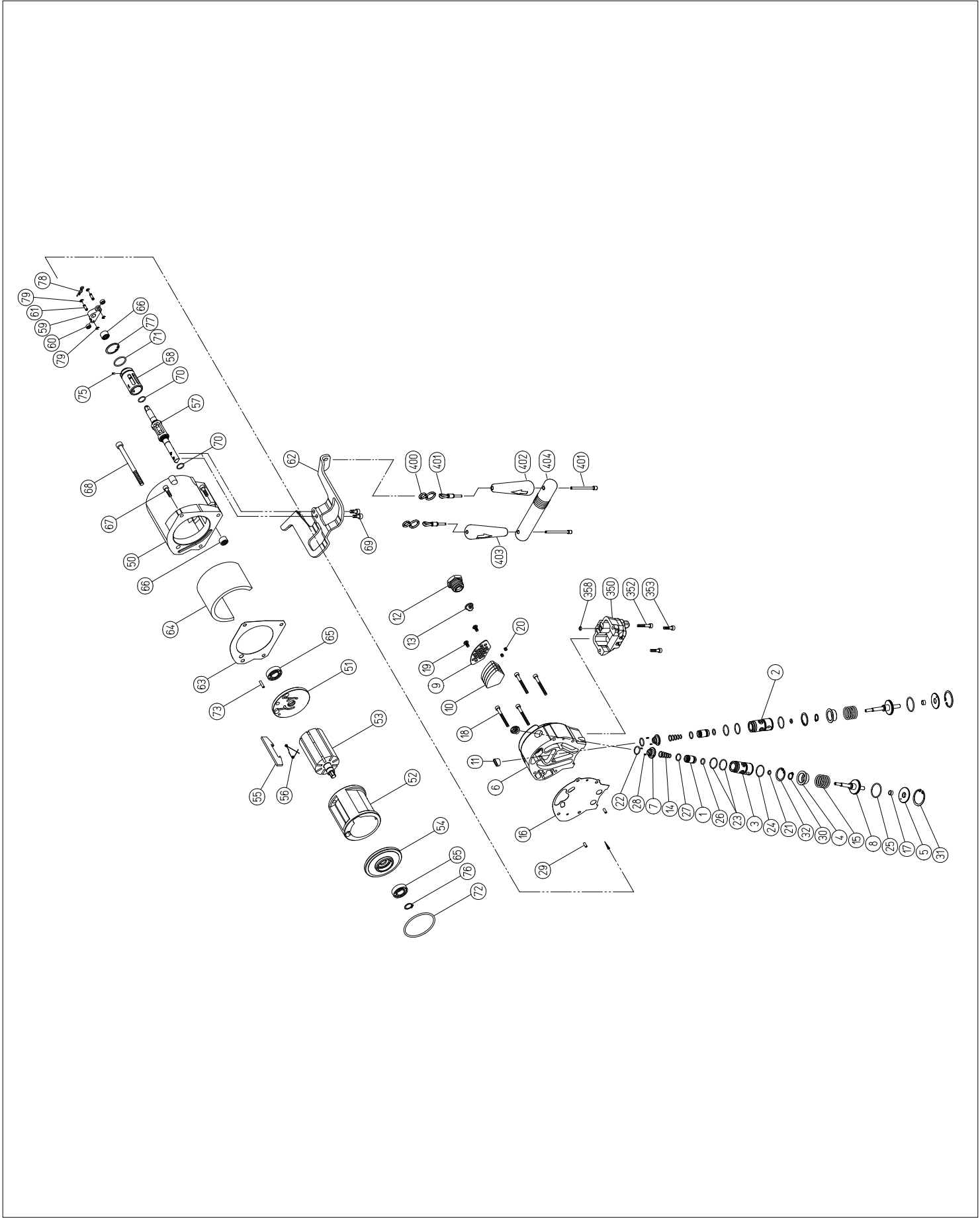


Motor Valve Body - TCS-500 (Pendant)

Fig. No.	Part Number	Part Name	Parts Per Hoist
001	420215VB0	THROTTLE VALVE	2
002	426230E90	VALVE BUSHING (U)	1
003	426230F00	VALVE BUSHING (D)	1
004	426230C70	SPRING SEAT	2
005	426230A20	VALVE CAP	2
006	426230061	VALVE BODY	1
007	426230A30	BUSH CAP	2
008	426230C60	PISTON	2
009	426230810	EXHAUST PLATE	1
010	137402023	SILENCER (S)	4
011	426230A10	ADJUST CAP	2
012	134703070	INLET BUSHING	1
013	136803032	NEXT SCREEN	1
014	130802221	VALVE SPRING	2
015	130802224	SPRING 26X20X2.6	2
016	136102165	VALVE GASKET	1
017	130219705	DU BUSH DUB0705	2
018	131705050	HEX SOCKET HEAD CAP SCREW M5X50	4
019	131905010	HEX SOCKET BUTTON SCREW M5X10	2
020	132105005	HEX SOCKET SET SCREW M5X5	2
021	131103005	O-RING S-7	2
022	131103013	O-RING S-15	2
023	131103016	O-RING S-20	4
024	131103017	O-RING S-22	2
025	131117023	O-RING AS568-023	2
026	131118012	O-RING AS568-012 (HS90)	2
027	131103011	O-RING S-12.5	2
028	130602004	SPRING PIN 2X4	4
029	130604010	SPRING PIN 4X10	2
030	130302012	RETAINING RING S-12	2
031	130301032	RETAINING RING H-32	2
032	130301025	RETAINING RING H-25	2
050	426230790	MOTOR CASE	1
051	126230180	REAR PLATE	1
052	426230160	CYLINDER	1
053	426230150	ROTOR	1
054	426230170	FRONT PLATE	1
055	137102032	VANE	8
056	130802235	LIFT SPRING	8
057	426230460	LIMIT SHAFT	1
058	426230A40	LIMIT SHAFT BUSHING	1
059	426230140	LIMIT LEVER	1
060	130128104	BEARING MR104ZZ	2
061	426230120	ROLLER SHAFT	2
062	426351110	CHAIN LEVER	1
063	136102166	MOTOR GASKET	1
064	137402024	SILENCER (M)	1
065	130104003	BEARING 6002	2
066	130151210	NEEDLE BEARING TLA1210	2

Fig. No.	Part Number	Part Name	Parts Per Hoist
067	131706020	HEX SOCKET HEAD CAP SCREW M6X20	3
068	131708110	HEX SOCKET HEAD CAP SCREW M8X110	1
069	131706014	HEX SOCKET HEAD CAP SCREW M6X14	2
070	131103012	O-RING S-14	2
071	131103019	O-RING S-24	1
072	131102009	O-RING G-65	1
073	130604016	SPRING PIN 4X16	1
075	130603005	SPRING PIN 3X5	1
076	130302015	RETAINING RING S-15	1
077	130301028	RETAINING RING H-28	1
078	130790008	SNAP PIN 8	1
079	130303003	RETAINING RING E-3	4
350	426233470	UNDER COVER	1
351	437402033	PILOT SILENCER	1
352	131705030	HEX SOCKET HEAD CAP SCREW M5X30	1
353	131705020	HEX SOCKET CAP SCREW M5X20	2
354	132105016	HEX SOCKET SET SCREW M5X16	2
355	132105005	HEX SOCKET SET SCREW M5X5	1
356	132905206	CROSS HEAD FLAT MACHINE SCREW M5X6	3
357	134403205	HEX NUT M5	2
358	131103004	O-RING S-6	3
365	131705010	HEX SOCKET HEAD CAP SCREW M5X10	1
366	131307005	WASHER M5	1

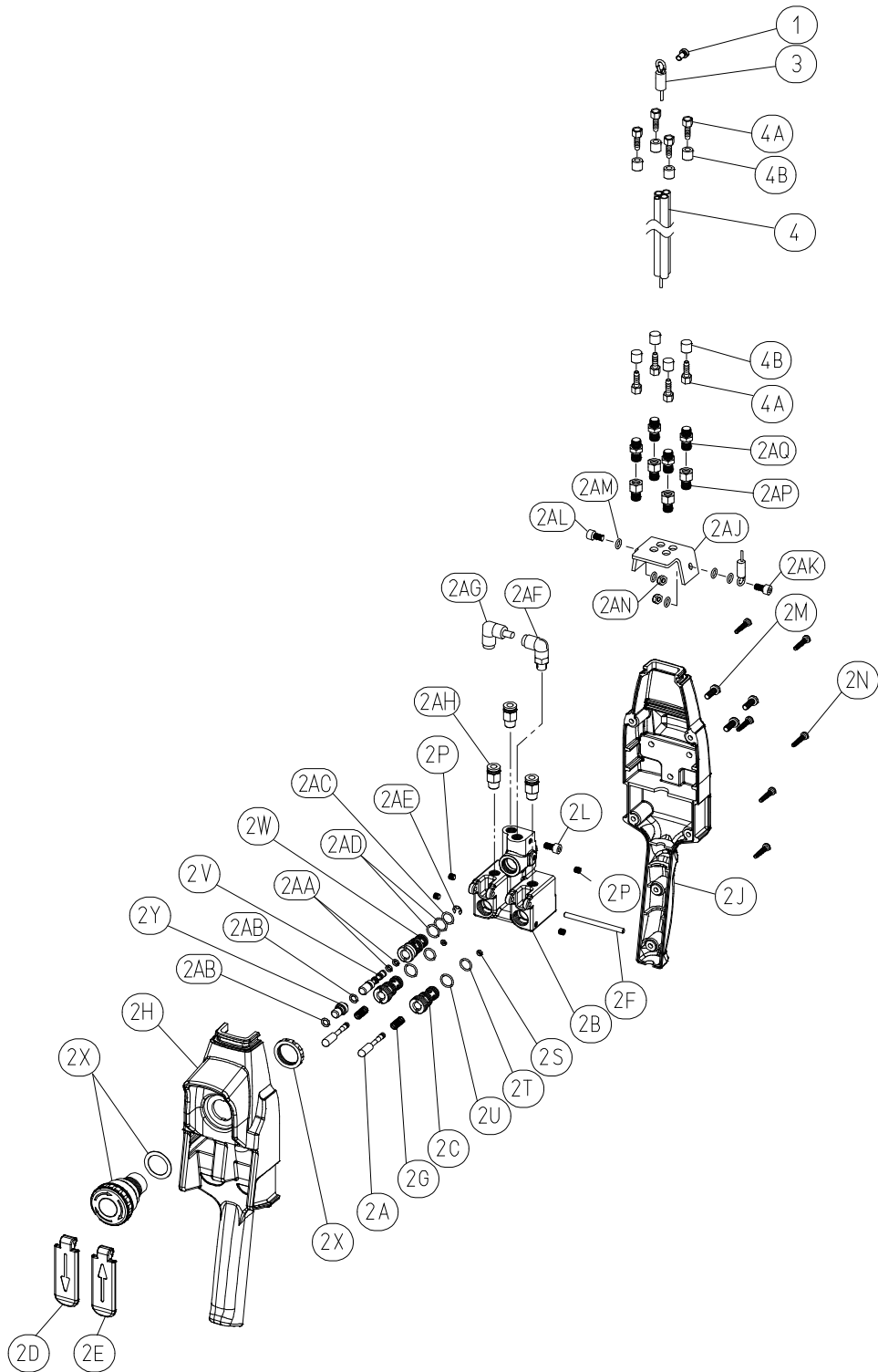
Motor Valve Body - TCS-500 (Cord)



Motor Valve Body - TCS-500 (Cord)

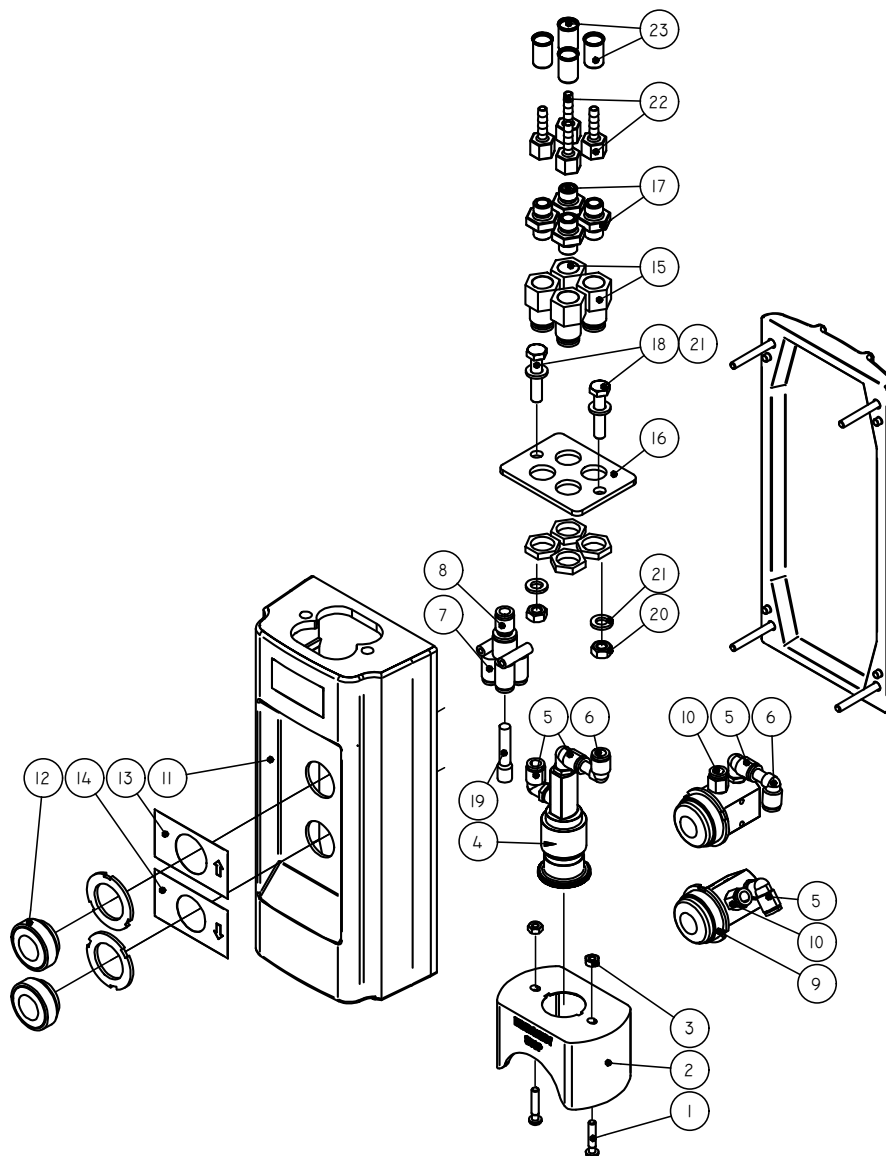
Fig. No.	Part Number	Part Name	Parts Per Hoist
001	420215VB0	THROTTLE VALVE	2
002	426230E90	VALVE BUSHING (U)	1
003	426230F00	VALVE BUSHING (D)	1
004	426230C70	SPRING SEAT	2
005	426230A20	VALVE CAP	2
006	426230060	VALVE BODY	1
007	426230A30	BUSH CAP	2
008	426230C60	PISTON	2
009	426230810	EXHAUST PLATE	1
010	137402023	SILENCER (S)	4
011	426230A10	ADJUST CAP	2
012	134703070	INLET BUSHING	1
013	136803032	NEXT SCREEN	1
014	130802221	VALVE SPRING	2
015	130802224	SPRING 26X20X2.6	2
016	136102165	VALVE GASKET	1
017	130219705	DU BUSH DUB0705	2
018	131705050	HEX SOCKET HEAD CAP SCREW M5X50	4
019	131905010	HEX SOCKET BUTTON SCREW M5X10	2
020	132105005	HEX SOCKET SET SCREW M5X5	2
021	131103005	O-RING S-7	2
022	131103013	O-RING S-15	2
023	131103016	O-RING S-20	4
024	131103017	O-RING S-22	2
025	131117023	O-RING AS568-023	2
026	131118012	O-RING AS568-012 (HS90)	2
027	131103011	O-RING S-12.5	2
028	130602004	SPRING PIN 2X4	4
029	130604010	SPRING PIN 4X10	2
030	130302012	RETAINING RING S-12	2
031	130301032	RETAINING RING H-32	2
032	130301025	RETAINING RING H-25	2
050	426230790	MOTOR CASE	1
051	126230180	REAR PLATE	1
052	426230160	CYLINDER	1
053	426230150	ROTOR	1
054	426230170	FRONT PLATE	1
055	137102032	VANE	8
056	130802212	LIFT SPRING	8
057	426230460	LIMIT SHAFT	1
058	426230A40	LIMIT SHAFT BUSHING	1
059	426230140	LIMIT LEVER	1
060	130128104	BEARING MR104ZZ	2
061	426230120	ROLLER SHAFT	2
062	426230110	CHAIN LEVER	1
063	136102166	MOTOR GASKET	1
064	137402024	SILENCER (M)	1
065	130104003	BEARING 6002	2
066	130151210	NEEDLE BEARING TLA1210	2

Fig. No.	Part Number	Part Name	Parts Per Hoist
067	131706020	HEX SOCKET HEAD CAP SCREW M6X20	3
068	131708110	HEX SOCKET HEAD CAP SCREW M8X110	1
069	131706014	HEX SOCKET HEAD CAP SCREW M6X14	2
070	131103012	O-RING S-14	2
071	131103019	O-RING S-24	1
072	131102009	O-RING G-65	1
073	130604016	SPRING PIN 4X16	1
075	130603005	SPRING PIN 3X5	1
076	130302015	RETAINING RING S-15	1
077	130301028	RETAINING RING H-28	1
078	130790008	SNAP PIN 8	1
079	130303003	RETAINING RING E-3	4
350	426230470	UNDER COVER	1
352	131705030	HEX SOCKET HEAD CAP SCREW M5X30	1
353	131705020	HEX SOCKET CAP SCREW M5X20	2
358	131103004	O-RING S-6	1
400	130802081	S-TYPE WIRE	2
401	138001015	CHANGE CORD (H0L)	2
402	136602625	GRIP (W)	1
403	136602626	GRIP (R)	1
404	136602627	HANDLE	1



Pendant - VRD-2R

Fig. No.	Part Number	Part Name	Parts Per Hoist
1	131705008	HEX. SOCKET HEAD CAP SCREW M5X8	1
2	420228VRD	PENDANT VALVE ASSEMBLY	1
2A	420218VB0	THROTTLE VALVE	2
2B	420228VR0	VALVE BODY	1
2C	420218VF0	BUSHING	2
2D	420223W40	LEVER D	1
2E	420223W30	LEVER U	1
2F	130402053	LEVER PIN	1
2G	130802220	SPRING 6X14X0.6	2
2H	420228W50	FRONT CASE	1
2J	420228W60	REAR CASE	1
2L	131705010	HEX. SOCKET HEAD CAP SCREW M5X10	1
2M	132405014	PHILLIPS PAN HEAD MACHINE SCREW M5X14	3
2N	132904220	PHILLIPS PAN HEAD SELF-TAPPING SCREW 4X20	6
2P	132105005	HEX. SOCKET SET SCREW M5X5	4
2S	131109001	O-RING S-3 (HS90)	2
2T	131103008	O-RING S-10	2
2U	131103009	O-RING S-11.2	2
2V	420224V61	EMERGENCY STOP VALVE	1
2W	420228V50	EMERGENCY STOP BUSHING	1
2X	136690503	EMERGENCY STOP BUTTON	1
2Y	420228W00	PUSH ROD	1
2AA	131103002	O-RING S-5	2
2AB	131103004	O-RING S-6	2
2AC	131103008	O-RING S-10	1
2AD	131103009	O-RING S-11.2	2
2AE	130303004	RETAINING RING E-4	1
2AF	304P	1/8 BSP TO 6MM PUSH FIT ELBOW	1
2AG	P118	6MM PLUG IN ELBOW	1
2AH	P087	1/8 BSP TO 6MM PUSH FIT	3
2AJ	DRG-SI10394-T2	2 STATION PENDANT BRACKET	1
2AK	113/1	HEX. SOCKET HEAD CAP SCREW M6X16	1
2AL	113P	HEX. SOCKET HEAD CAP SCREW M6X20	1
2AM	145P	FLAT WASHER M6	5
2AN	139P	NYLOC NUT M6	2
2AP	P245	6MM TO 1/8 BSP BULKHEAD ADAPTOR	4
2AQ	P071/1	1/8 BSP HEX NIPPLE C/W 60° CONE	4
3	426230F1B	STRAINER WIRE	1
4	1/4-HOSE	1/4 ANTI-STATIC RUBBER HOSE	4
4A	P016/1	1/8 BSP TO 1/8 HOSETAIL SWIVEL	8
4B	P002/1	1/4 HOSE FERRULE	8





RED ROOSTER LIFTING

Pendant - VTP2M

Fig. No.	Part Number	Part Name	Parts Per Hoist
1	105P	M4 X 20 CHEESE HEAD SCREW	2
2	E/STOP/GUARD01	YELLOW E-STOP GUARD	1
3	113/1P	M4 NYLOCK NUT	2
4	BIK3206P-BS54	EMERGENCY STOP BUTTON	1
5	304P	8mm TO 6mm BANJO	4
6	P118	90° ELBOW 6mm	2
7	P112	4 WAY JUNCTION	1
8	301P	8mm TO 6mm REDUCER	1
9	BIK-3209-P-VALVE	PENDANT VALVE	2
10	P087	1/8" TO 6mm PUSHFIT	2
11	TP/HOUS/M	2 STATION MACHINED PENDANT	1
12	BIK-3209-294-B-COVER	COVER FOR BIK VALVES	2
13	XAC-B-LEGEND-UP	UP LEGEND	1
14	XAC-B-LEGEND-DOWN	DOWN LEGEND	1
15	P245	1/8" TO 6mm BULKHEAD AND NUT	4
16	DRG 2652-01	PLATE	1
17	P071/1	1/8" BSP NIPPLE C/W CONE	4
18	112P	M6 x 20 HEX BOLT	2
19	P117	8mm BLANKING PLUG	1
20	139P	M6 NYLOCK NUT	2
21	145P	M6 WASHER	2
22	P016/1	1/8" BSP SWIVEL TO 1/4" HOSE TAIL	4
23	P002/1	1/4" HOSE FURRULE	4