

Spares Kit, Orion, Position, Standard, 008-0143

Rev. K

Item	P/N	Description	Qty
1	101-3867	SPS KIT,ORION,HDW	1
2	101-4071	SPS KIT,ORION STD,HOSES	1
3	101-4072	SPS KIT,ORION STD,O-RINGS & SE	1
4	101-4073	SPS KIT,ORION,POSN CONT	1
5	101-3863	SPS KIT,ORION,RTRY ACT,SEAL KI	1
6	101-3864	SPS KIT,ORION,SR	1
7	101-3866	SPS KIT,ORION,LIN ACTR	1
8	101-3868	SPS KIT,ORION,WR MOTOR	1
9	010-0692	TOOL KIT,ORION	1
15	001-7520	BOLT,12 POINT,NAS 1277-36,MOD	1
16	001-5396	PLATE,T-BAR,LOCKING	1
17	002-1925	ANTI-SIEZE,1 OZ TUBE	1
18	001-7519	BOLT,12 POINT,NAS 1275-22	1
19	001-5381	PL,T-BAR,LOCKING	1
20	001-9835	BEARING,JAW ACTUATOR,T4	2
21	001-9837	PIN,T-BAR,MP35N,T4	1
22	004-1080	SEAL,STEP,RSC100875-Z48NA,7/8"	2
23	001-9850	BEARING,ROD GLAND,T4,JAW	1

***NOTE:** Part lists for 101- and 010- spares kits in the "Item" column begin on the following page.*

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Item 1: Spares Kit, Hardware, 101-3867

Rev. A

Item	P/N	Description	Qty
1	001-4342	RETAINER, PIN	4
2	001-5094	SPACER, SHOULDER, AZ	2
3	001-5368	BRG, TOP HAT, ORION	16
4	002-0134	HHCS, 1/4-20X1, SS	2
5	001-5095	BUMPER, AZ, HARDSTOP	2
6	002-0109	PIN, SPIROL, 3/16X.5, SS	2
7	002-0065	HHCS, 1/4-20X5/8, SS	10
8	001-4646	BUMPER, SHLDR	2
9	002-0790	WSHR, 1/4IDX.5OD, SS .032THK	10
10	001-4638	BUMPER, STEM	2
11	002-1784	PLUG, CAPLUG BPF-1-1/8-6	4
12	001-4575	BUMPER	2
13	002-0182	HHCS, 3/8-16X1, 316SS	1
14	002-1439	WSHR, 3/8ID, 5/8OD	1
15	001-5092	SPR, ELB	1
16	002-1361	HHCS, 3/8-16UNCX1.50, SS	1
17	002-1574	WSHR, .625ODX.385 IDX.125THK, 31	1
18	004-0222	O-RING, 2-010 BUNA 90	28
19	004-0017	O-RING, 2-031 BUNA 70	2
20	002-1440	ANODE, GALVANIC	5
21	001-4898	SPR, PITCH ACTR ROD END, ORION	1
22	001-4598	BRG, ACTR, ORION	8

Item 2: Spares Kit, Hoses, 101-4071

Rev. A

Item	P/N	Description	Qty
1	101-3835	HOSE ASSY, FA, 4A ORION	1
2	101-3836	HOSE ASSY, FA, 4B ORION	1
3	101-3837	HOSE ASSY, FA, 5A ORION	1
4	101-3838	HOSE ASSY, FA, 5B ORION	1
5	101-3839	HOSE ASSY, FA, 6A ORION	1
6	101-3840	HOSE ASSY, FA, 6B ORION	1
7	006-1507-8	HOSE ASSY, TELEFLEX, TEFZEL, -4JI	2
8	001-5205	FTG, HYD, -4JIC, -4ST, ELB, DEBURRE	1
9	006-1553	HOSE, 3/16IDX5/16OD, SUPERTHANE	3
10	001-4380	FIT, HYD, -4 ST, 1/4 HOSE BARB	1
11	006-1206	HOSE, 1/4IDX1/2OD, SUPERTHANE	15
12	006-1207	FIT, HYD, -4, JIC SWIVEL, 1/4 HOSE	1
13	002-1484	CLP, HOSE, CRIMP, OETIKER, 14MM	2
14	002-1871	CLAMP, HOSE, CRIMP, OETIKER, 8.7MM	2
15	006-0015	FTG, HYD, -4 JIC, -4 ST, 4F50X-SS	1

Item 3: Spares Kit, O-Rings & Seal, 101-4072

Rev. A

Item	P/N	Description	Qty
1	004-0190	O-RING,2-012 BUNA 90	5
2	004-0062	O-RING,2-013 BUNA 70	5
3	004-0064	RING,BACKUP,8-013 BUNA 90	5
4	004-0225	O-RING,2-008 BUNA 90	5
5	004-0109	O-RING,2-009 BUNA 90	5
6	004-0665	O-RING,.326X.039,BUNA 90	5
7	004-0114	O-RING,2-013 BUNA 90	5
8	004-0695	O-RING,2-021,BUNA 70	5
9	004-0284	O-RING,2-008 V90	5
10	004-0445	O-RING,2-006 V90	5
11	004-0870	O-RING,12.09ID,.103 CROSS SECT	5
12	004-0561	O-RING,.228X.040,BUNA 70	5
13	004-0006	O-RING,2-017 BUNA 70	5
14	004-0098	O-RING,2-030 BUNA 70	5
15	004-0140	O-RING,2-037 BUNA 90	5
16	004-0621	O-RING,2-028,BUNA 90	5
17	004-0222	O-RING,2-010 BUNA 90	10
18	004-0816	SEAL,UCUP 3 1/2ODX1/8 HIGH,POL	5
19	004-0019	O-RING,2-118 BUNA 70	5
20	004-0873	O-RING,URETHANE,3-902 (CMPD 92	10
21	004-0082	O-RING,3-904 BUNA 90	5
22	004-0123	O-RING,3-906 BUNA 90	5

Item 4: Spares Kit, Controller, 101-4073

Rev. C

Item	P/N	Description	Qty
4	101-3100	SERVO V ASSY,MOOG #30	1
5	005-3600	PCB ASSEMBLY,BASE MODULE/SCU	1
6	101-3656	PCB ASSY,ACTUATOR CONTROL BD	1
7	005-4645	PCB ASSY,IN ARM TELEMETRY,T4	1
8	006-0042	VALVE,POPPET,2-WAY,NC	1
9	006-0432	COIL ASSY,24 VDC,WATERMAN #704	1

Item 5: Spares Kit, Rotary Actuator Seal, 101-3863

Rev. A

Item	P/N	Description	Qty
1	003-0177	BRG,TAPERED CUP,2.5	2
2	002-1560	WSHR,LOCK,SFT	1
3	001-5098	SHCS,1/4-28X4.0,INCONEL	4
4	001-5099	WSHR,ID.257,OD.484,.078THK	8
5	002-0058	NUT,MS-21043-4	16
6	003-0176	BRG,TAPERED,CONE,2.5	2
7	004-0103	O-RING,2-044 BUNA 70	4
8	001-5038	SEAL,END,ROLL,ORION	2
9	004-0140	O-RING,2-037 BUNA 90	6
10	004-0222	O-RING,2-010 BUNA 90	16
11	004-0816	SEAL,UCUP 3 1/2ODX1/8 HIGH,POL	1
12	002-0062	NAS 6406U12	1
13	002-1562	SHCS,1/4-28X1/2,GR 8 STL	1
14	001-5040	SEAL,VANE,INVERTED RAD,ROLL	2
15	004-0130	O-RING,2-022 BUNA 70	4
16	001-5041	PL,BACK-UP,VANE SEAL,ROLL	4
17	004-0571	O-RING,2-007 BUNA 90	2
18	004-0621	O-RING,2-028,BUNA 90	2
19	101-4040	FTG,PLUG,-2 W/URETHANE O-RING	2
20	002-1439	WSHR,3/8ID,5/8OD	4
21	004-0873	O-RING,URETHANE,3-902 (CMPD 92	4

Item 6: Spares Kit, Slip Ring, 101-3864

Rev. A

Item	P/N	Description	Qty
1	004-0583	SEAL,SLIPRING,PITCH (PER SDI P	9
2	004-0036	O-RING,2-027 BUNA 70	18
3	003-0081	BEARING, SLYD RING	2
4	002-1797	NAS 6403U6	1
5	004-0225	O-RING,2-008 BUNA 90	8
6	004-0222	O-RING,2-010 BUNA 90	20
7	004-0860	O-RING,2-044,URETHANE 65290	1
8	004-0100	O-RING,2-018 BUNA 70	2
9	004-0098	O-RING,2-030 BUNA 70	2
10	002-1804	HHCS,3/8-16X3.0,316SS	1
11	002-1439	WSHR,3/8ID,5/8OD	1
12	002-1572	HHCS,3/8-16X1.75,316SS	1

Item 7: Spares Kit, Linear Actuator, 101-3866

Rev. A

Item	P/N	Description	Qty
1	002-0399	SHCS,8-32X1.0,SS	2
2	001-4598	BRG,ACTR,ORION	2
3	003-0150	BRG,PSTN,LUYTEX	1
4	004-0046	O-RING,2-127 BUNA 70	2
5	004-0646	SEAL,JAW PSTN,GAMMA	1
6	004-0650	SEAL,ROD,LIN ACTR,GAMMA	2
7	003-0151	BRG,SFT,LUYTEX	2
8	004-0509	SCRAPER,S48302-0108A-56	1
9	004-0017	O-RING,2-031 BUNA 70	2
10	004-0805	O-RING,2-113,B90	2
11	004-0190	O-RING,2-012 BUNA 90	2
12	002-0405	WSHR,FLAT,#8,SS	2
13	002-1791	ANODE,GALVANIC,ZINC ONLY	1
14	101-4040	FTG,PLUG,-2 W/URETHANE O-RING	2
15	004-0873	O-RING,URETHANE,3-902 (CMPD 92	4

Item 8: Spares Kit, Wrist Motor, 101-3868

Rev. A

Item	P/N	Description	Qty
1	004-0617	SEAL,FLUROCARBON #AR10400-418-	1
2	003-0031	BRG,NEEDLE,TORRINGTON B-5612	1
3	004-0803	SEAL,SHAMBAN,TGZF-S4016NA	3
4	001-4454	BRG,SLYDRING,2.875IDX3.063X.25	1
5	003-0074	WSHR,THR,TRA2840,TORRINGTON	1
6	003-0013	TORRINGTON,NTA 2840	1
7	004-0575	SEAL,AR10103-214-UH,FLUROCARBO	1
8	004-0574	SEAL,AR10103-212-UH,FLUROCARBO	1
9	004-0081	O-RING,2-035 BUNA 70	2
10	004-0017	O-RING,2-031 BUNA 70	2
11	004-0413	O-RING,2-026 V75	2
12	004-0110	O-RING,2-046 BUNA 70	2
13	003-0011	TORRINGTON,B148	1
14	001-4448	BOLT,OIL SPLY,WR	1
15	001-4449	BOLT,OIL RTN,WR	1
16	004-0445	O-RING,2-006 V90	4
17	001-1984	BSHG,WR OIL SPLY TUBE	1
18	004-0698	O-RING,2-011,URETHANE	4
19	004-0576	WSHR,CRUSH,5/16	8
20	001-4577	SHCS,5/16-18X3,CADMIUM PLD,UNB	1
21	003-0092	WSHR,THR,TORRINGTON #TRC 1427	2
22	003-0091	BRG,THR,TORRINGTON #NTC 1427	1
23	002-1133	SHCS,10-32X5/8,UNBRAKO ONLY,AL	1
24	004-0222	O-RING,2-010 BUNA 90	4
25	004-0017	O-RING,2-031 BUNA 70	1

Item 9: Tool Kit, 010-0692

Rev. A

Item	P/N	Description	Qty
1	010-0689	TOOL KIT,CON/RIG	1
2	010-0691	TOOL KIT,ORION ROLL ACTR	1

Item 9/1: Tool Kit, Conan/RigMaster, 010-0689

Rev. E

Item	P/N	Description	Qty
1	010-0099	SKT,MOD,7/16,6PT.,1/4 DRIVE(SN	1
2	010-0173	TOOL,CLP,JAW	1
3	010-0174	TOOL,INSTALL,M,2.25	1
4	010-0175	TOOL,SIZING,F,2.25	1
5	010-0184	TOOL,INSTL,M,1.75	1
6	010-0185	TOOL,SIZING,F,1.75	1
7	010-0203	TOOL,SIZING,M,1.0	1
8	010-0804	TOOL,PISTON ROD,JAW	1
9	010-0237	TOOL,RESIZING	1
10	010-0238	CLR,JAW PSTN	1
11	010-0759	CROWSFOOT,OPEN END,1 5/8	1
12	010-0525	TOOL,SEALINSTL	1
13	010-0480	NUT,CLPING,WR,PIN	0
14	010-0760	CROWSFOOT,OPEN END,1 1/4~	1
15	010-0991	TOOL,CONAN JAW BOLT	1
16	010-1117	WRIST CLAMP TOOL	2
17	010-1202	TOOL,CONAN,RELIEF VALVE	1
18	010-0239	TOOL,BRGINSTL	1
19	010-0240	TOOL,JAW ROD SL	1

Item 9/2: Tool Kit, Orion Roll Actuator, 010-0691

Rev. B

Item	P/N	Description	Qty
1	001-5104	PUSHER,ENDPL	4
2	010-0586	TOOL,INSTL,F.A. ROLL SLIPRING	1
3	010-0587	TOOL,RESIZING,F.A. ROLL SLIPRI	1
4	010-0588	TOOL,RESIZING,F.A. SLIPRING SE	1
5	010-0589	TOOL,PUSHER,F.A. ROLL SLIPRING	1
6	010-0600	TOOL,TORQUING,ROLL ACTR NUT	1
7	010-0678	TOOL,TAPERED BRG REMOVAL,ORION	1