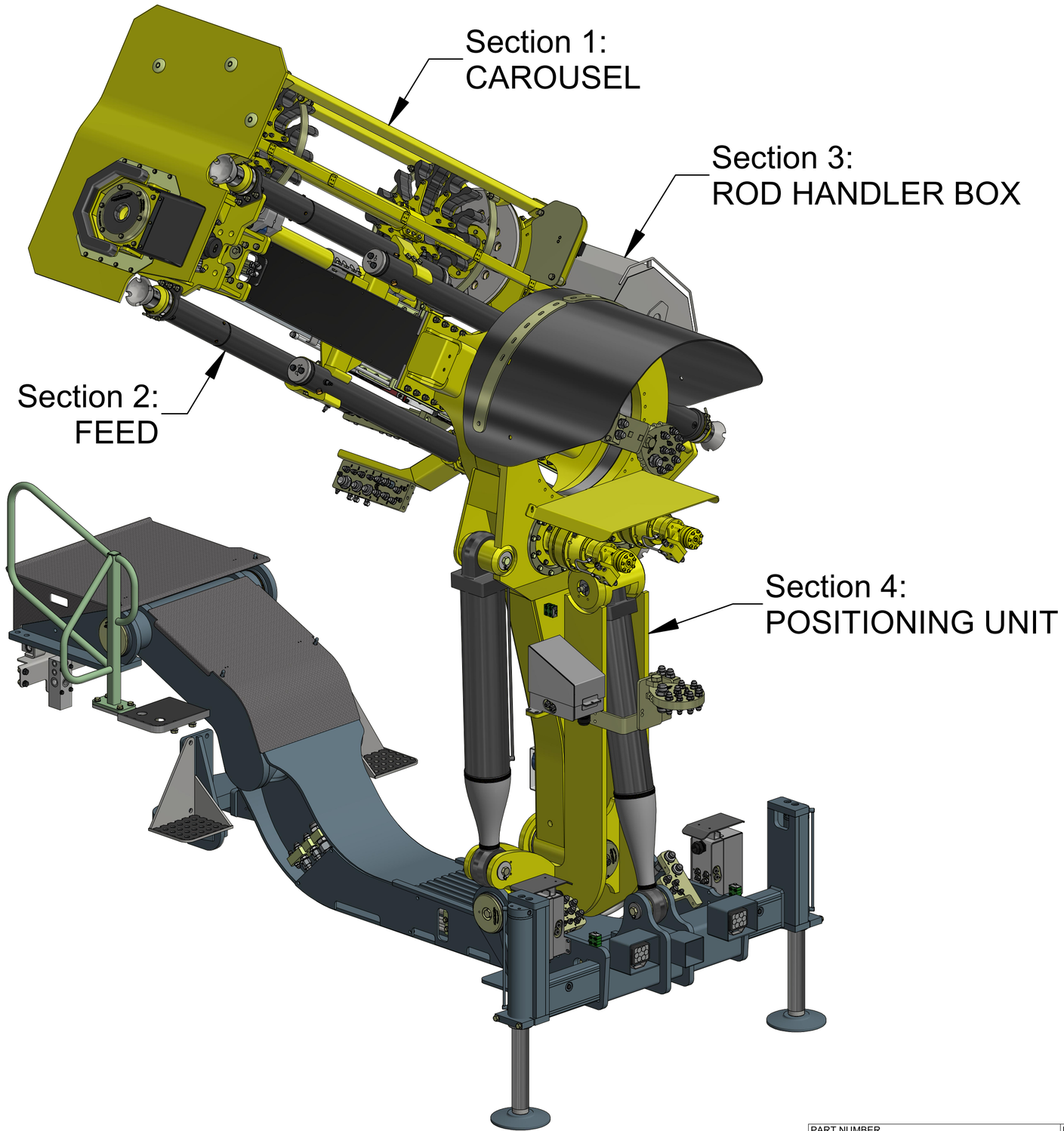
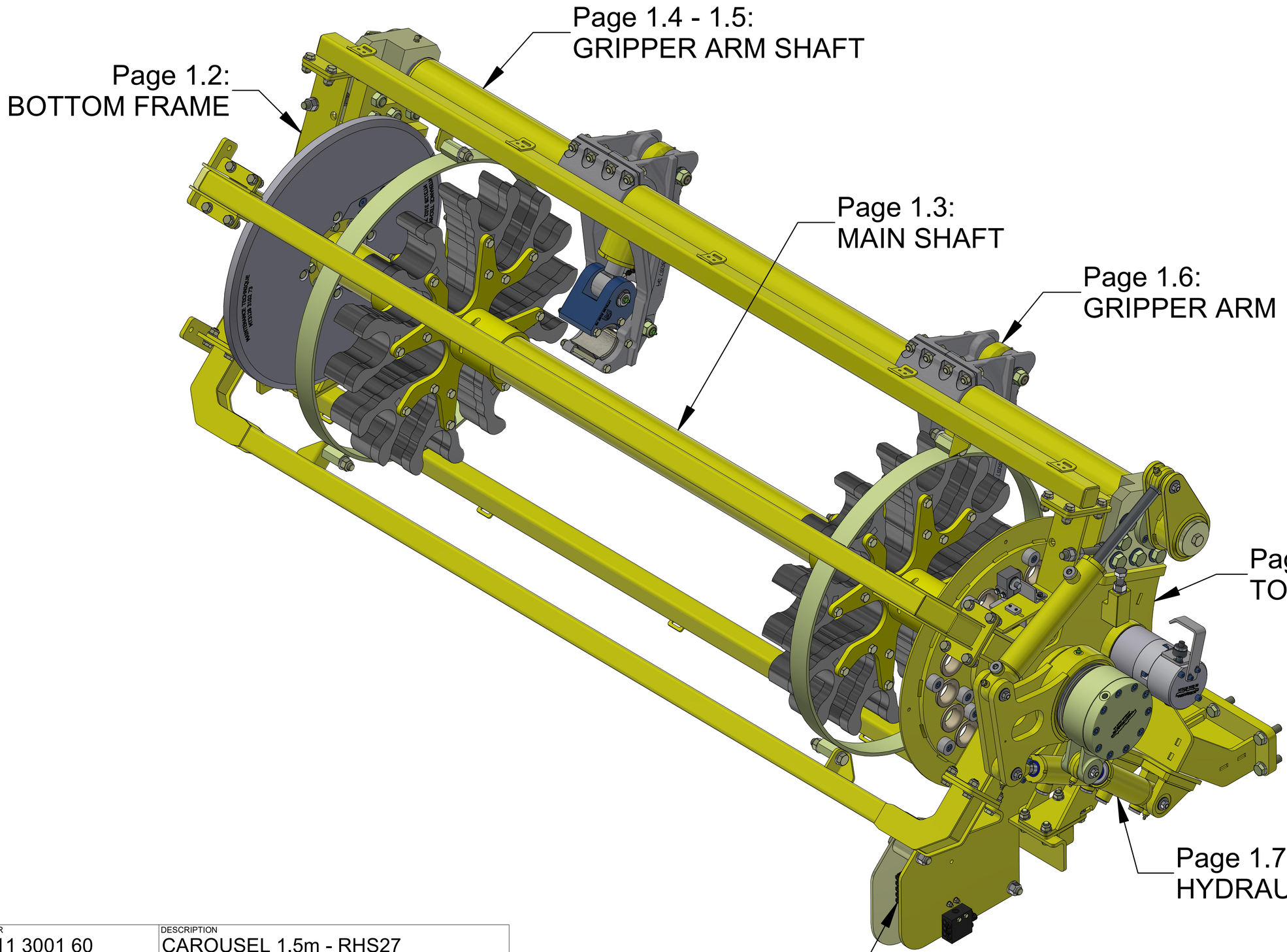


PART NUMBER	DESCRIPTION
MTL6 RHS27 CA	POSITIONING / FEED ASSEMBLY

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
parts@mtunderground.com
www.mtunderground.com

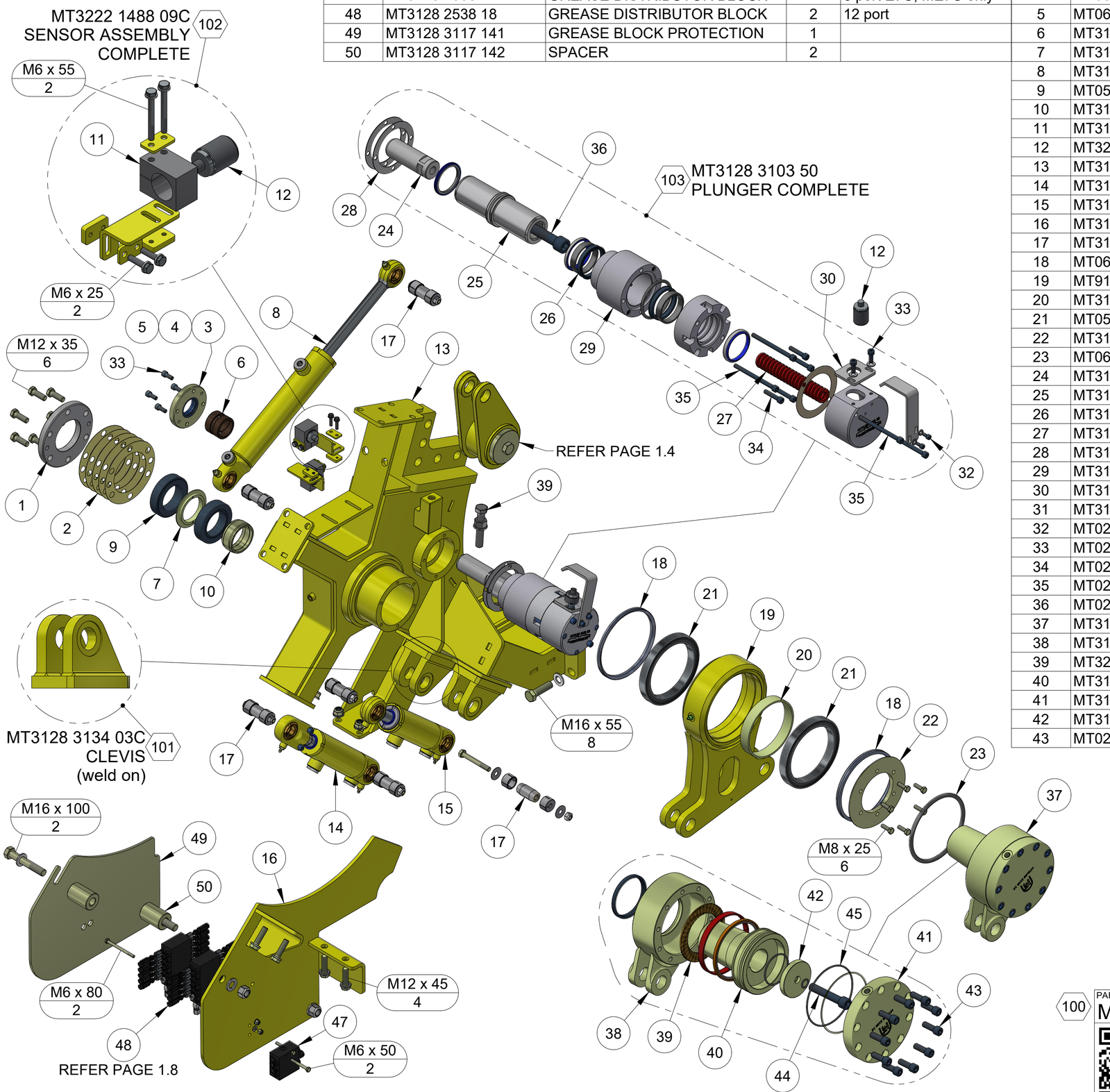


PART NUMBER	DESCRIPTION
MT9111 3001 60	CAROUSEL 1.5m - RHS27
PART NUMBER	DESCRIPTION
MT9111 3001 61	CAROUSEL 1.8m - RHS27

MAINTENANCE TECHNIQUE

MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
parts@mtunderground.com
www.mtunderground.com

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
44	MT0211 1963 34	M16x90 SHCS	1	
45	MT3128 3102 061SK	CLUTCH SEAL KIT	1	Complete (7 items)
46	MT0147 1961 80C	SCREW & NUT	1	
47	MT3128 2538 17	GREASE DISTRIBUTOR BLOCK	1	6 port E7C, ME7C only
48	MT3128 2538 18	GREASE DISTRIBUTOR BLOCK	2	12 port
49	MT3128 3117 141	GREASE BLOCK PROTECTION	1	
50	MT3128 3117 142	SPACER	2	



ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT3128 3102 14	COVER	1	
2	MT3128 3115 79	SHIM	5	
3	MT3128 3102 17S	COVER	1	Includes items 4 & 5
4	MT0665 9170 01	WIPER	1	
5	MT0665 9170 011	RADIAL SHAFT SEAL	1	
6	MT3128 3102 18	PLAIN BEARING	1	
7	MT3128 3102 13	SPACER	1	
8	MT3128 3134 04	CYLINDER - SWING	1	Refer page 1.7
9	MT0501 0000 51	BEARING	2	
10	MT3128 3102 12	SPACER RHS	1	
11	MT3128 3020 94	CLAMP	2	
12	MT3222 1488 09	INDUCTIVE SENSOR	3	
13	MT3128 3101 97	END PIECE	1	
14	MT3128 3134 03	CYLINDER - PARK	1	Refer page 1.7
15	MT3128 3134 02	CYLINDER - INDEX	1	Refer page 1.7
16	MT3128 3117 14	PROTECTION	1	
17	MT3128 3104 72	RHS PIN COMPLETE	6	
18	MT0666 8097 02	V-RING SEAL	2	
19	MT9111 4088 50	LINK ARM	1	
20	MT3128 3102 09	SPACER	1	
21	MT0502 1091 94	BALL BEARING	2	
22	MT3128 3102 08	COVER	1	
23	MT0663 2158 00	O-RING	1	
24	MT3128 3103 53	PLUNGER	1	
25	MT3128 3103 52	PISTON ROD	1	
26	MT3128 3103 SK	PLUNGER SEAL KIT	1	Complete (7 items)
27	MT3128 3083 72	SPRING	1	
28	MT3128 3097 40	SHIM	3	
29	MT3128 3103 51	HOUSE	1	
30	MT3128 3103 502	SENSOR MOUNT PLATE	1	
31	MT3128 3103 50BK	BOLT KIT	1	
32	MT0211 1244 03	M6x12 SHCS	2	
33	MT0211 1957 56	M8x20 SHCS	6	
34	MT0211 1960 78	M8x40 SHCS	2	
35	MT0211 1960 79	M8x110 SHCS	6	
36	MT0211 1963 18	M20x70 SHCS	1	
37	MT3128 3102 061	CLUTCH COMPLETE	1	
38	MT3128 3102 06	ARM	1	
39	MT3214 7790 00	DISC	1	
40	MT3128 2206 00	PISTON ROD	1	
41	MT3128 3102 15	COVER (CLUTCH)	1	
42	MT3128 2288 00	COVER (RETAINER)	1	
43	MT0211 1402 03	M12x35 SHCS	10	

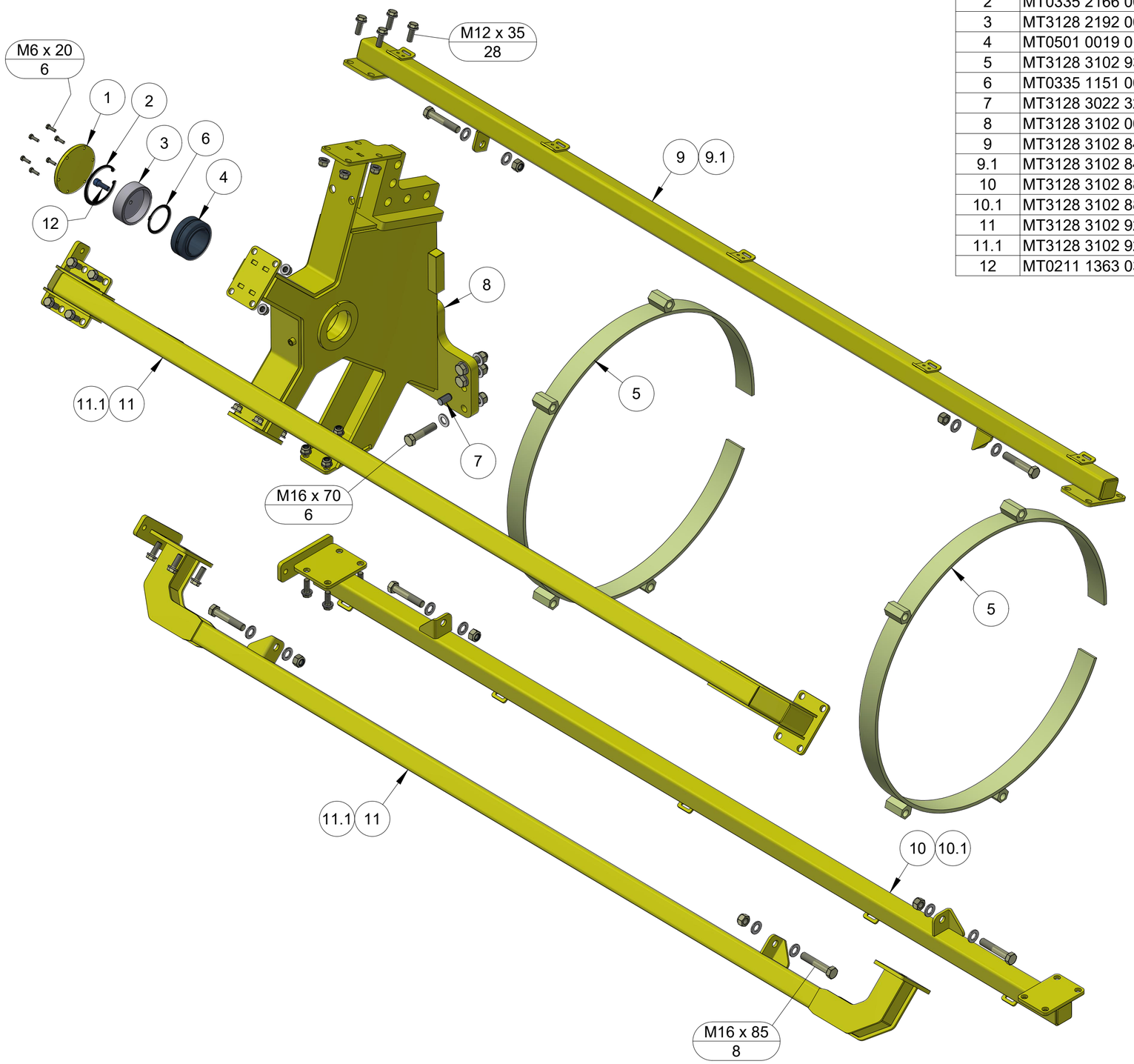
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PART NUMBER
MT9111 3001 61-2

DESCRIPTION
TOP FRAME - RHS27

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
parts@mtunderground.com
www.mtunderground.com

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT3128 3102 16	COVER	1	
2	MT0335 2166 00	CIRCLIP	1	
3	MT3128 2192 00	SPACER	1	
4	MT0501 0019 01	BEARING	1	
5	MT3128 3102 93	PROTECTION ARCH	2	
6	MT0335 1151 00	CIRCLIP	1	
7	MT3128 3022 32	DOWEL	2	
8	MT3128 3102 00	END PIECE	1	
9	MT3128 3102 84	STAY	1	1.8m
9.1	MT3128 3102 845	STAY	1	1.5m
10	MT3128 3102 88	STAY	1	1.8m
10.1	MT3128 3102 885	STAY	1	1.5m
11	MT3128 3102 92	STAY	2	1.8m
11.1	MT3128 3102 925	STAY	2	1.5m
12	MT0211 1363 03	M10x30 SHCS	1	

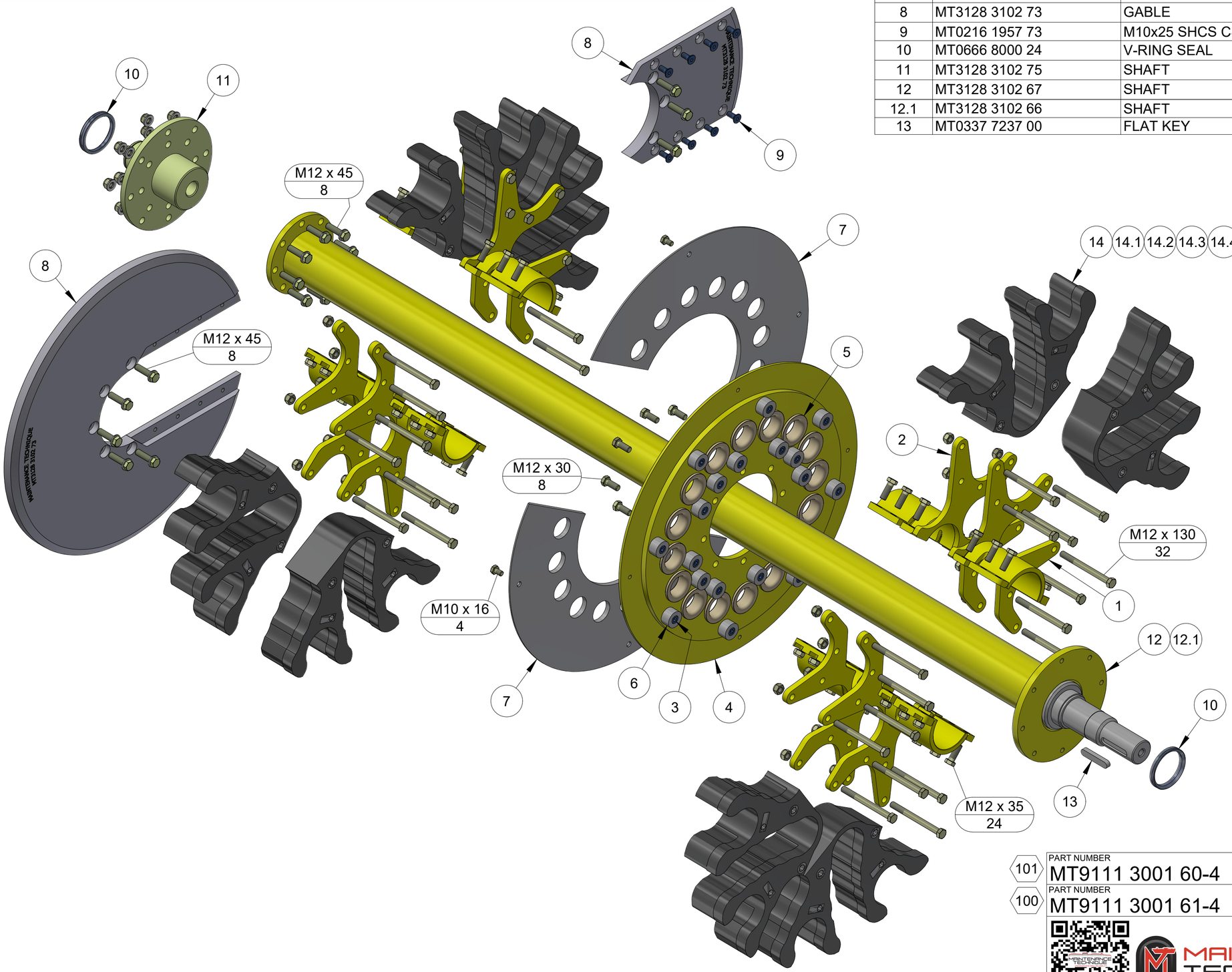


101	PART NUMBER MT9111 3001 60-3	DESCRIPTION BOTTOM FRAME 1.5m - RHS27
100	PART NUMBER MT9111 3001 61-3	DESCRIPTION BOTTOM FRAME 1.8m - RHS27

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
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www.mtunderground.com

SEGMENTS - RHS27				
ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
14	MT3128 3074 74	SIMBA MT7627	8	76mm tube
14.1	MT7827	SIMBA MT7827	8	78mm tube
14.2	MT3128 3063 43	SIMBA MT8727	8	87mm tube
14.3	MT6427	SIMBA MT6427	8	64mm tube
14.4	MT5127	SIMBA MT5127	8	51mm tube
14.5	MT4527	SIMBA MT4527	8	45mm tube

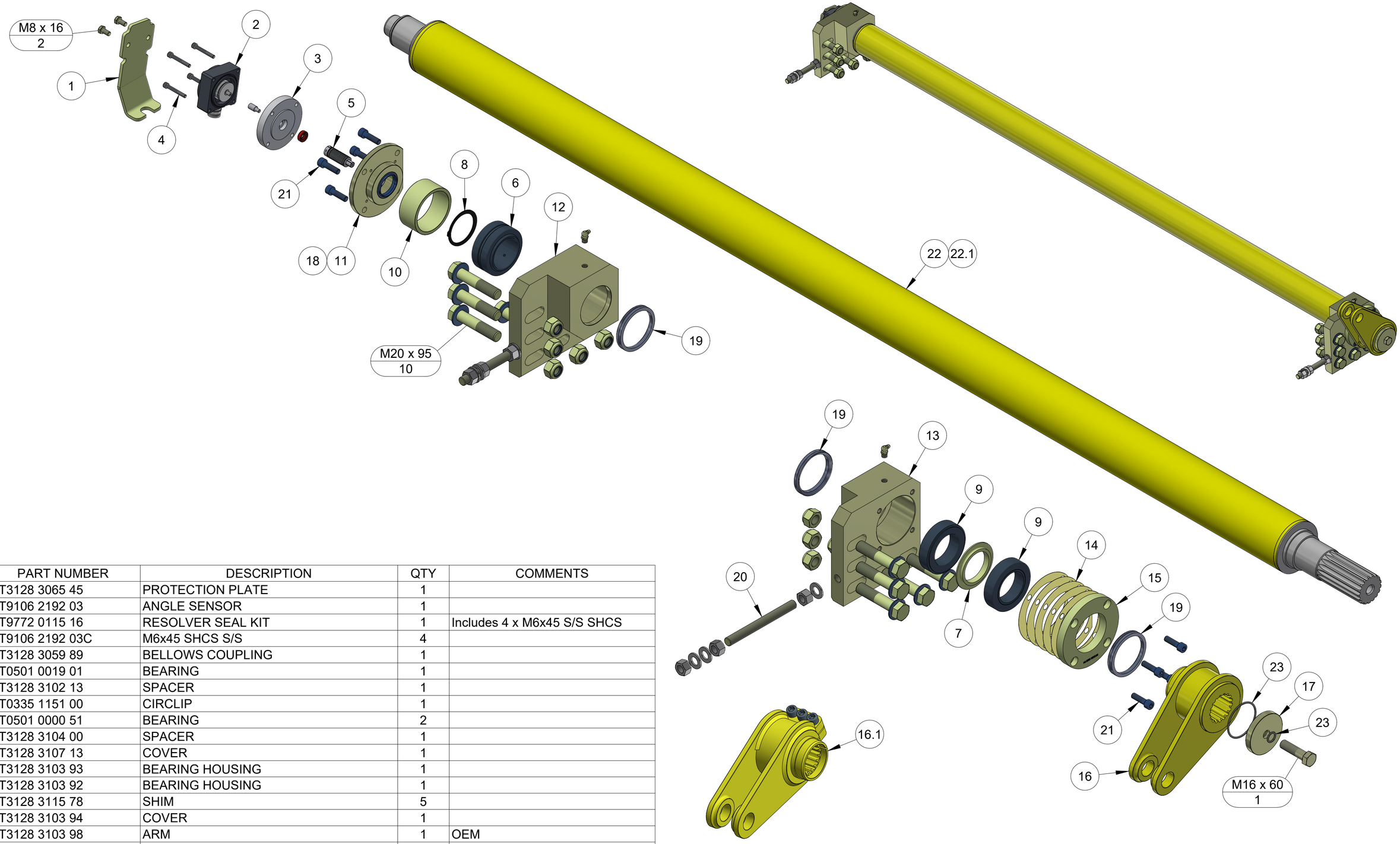
ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT3128 2227 15	HOLDER	4	
2	MT3128 2227 16	HOLDER OH	4	
3	MT0211 1363 03	M10x30 SHCS	20	
4	MT3128 3102 71	GABLE PLATE	1	
5	MT3128 3102 76	LOCKING PIN INSERT	16	
6	MT3128 3027 60	SPACER	20	
7	MT3128 2376 00	GABLE SPACER	1	
8	MT3128 3102 73	GABLE	1	
9	MT0216 1957 73	M10x25 SHCS CSK	8	
10	MT0666 8000 24	V-RING SEAL	2	
11	MT3128 3102 75	SHAFT	1	
12	MT3128 3102 67	SHAFT	1	1.8m drill tubes
12.1	MT3128 3102 66	SHAFT	1	1.5m drill tubes
13	MT0337 7237 00	FLAT KEY	1	



	PART NUMBER	DESCRIPTION
101	MT9111 3001 60-4	MAIN SHAFT 1.5m - RHS27
100	MT9111 3001 61-4	MAIN SHAFT 1.8m - RHS27

MAINTENANCE TECHNIQUE

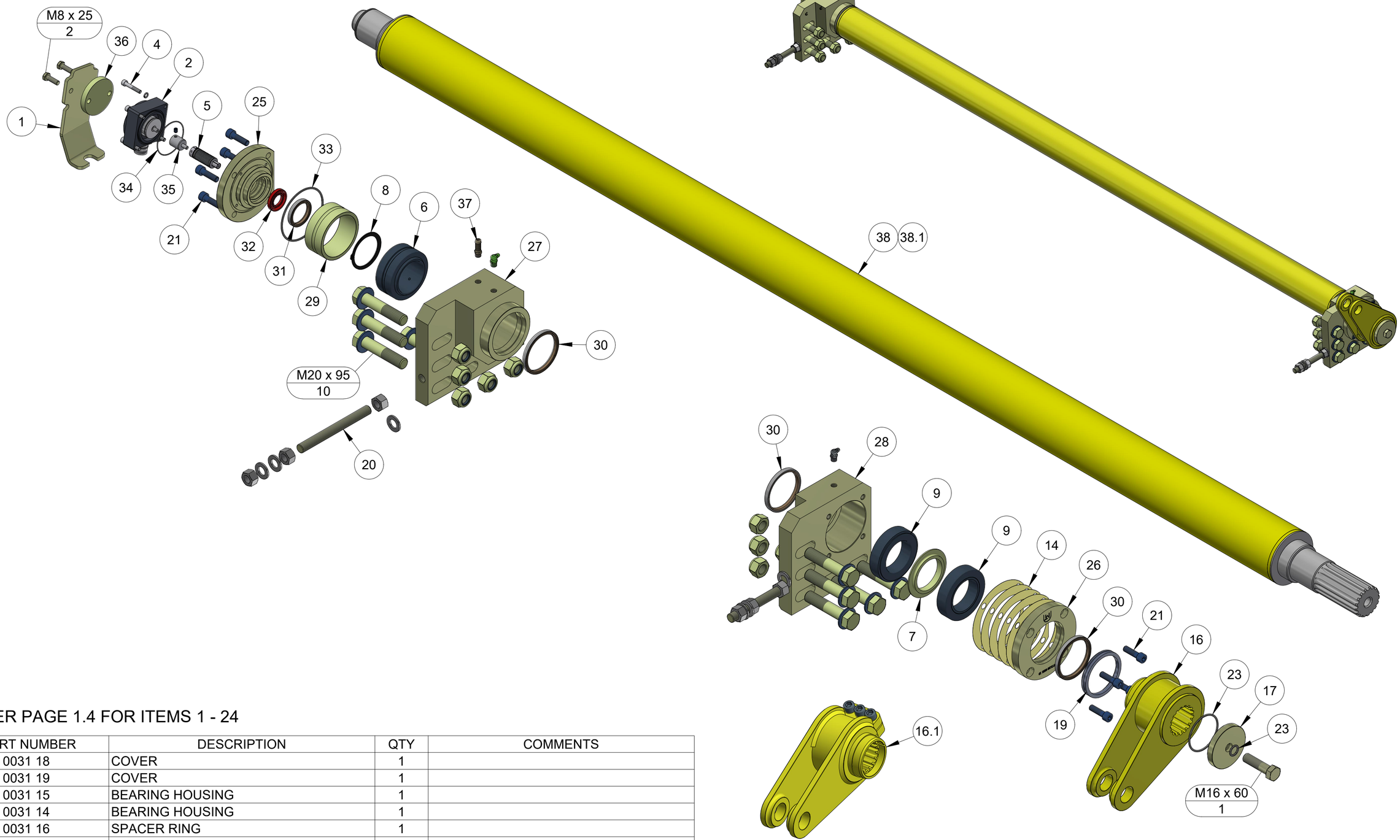
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
parts@mtunderground.com
www.mtunderground.com



ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT3128 3065 45	PROTECTION PLATE	1	
2	MT9106 2192 03	ANGLE SENSOR	1	
3	MT9772 0115 16	RESOLVER SEAL KIT	1	Includes 4 x M6x45 S/S SHCS
4	MT9106 2192 03C	M6x45 SHCS S/S	4	
5	MT3128 3059 89	BELLOWS COUPLING	1	
6	MT0501 0019 01	BEARING	1	
7	MT3128 3102 13	SPACER	1	
8	MT0335 1151 00	CIRCLIP	1	
9	MT0501 0000 51	BEARING	2	
10	MT3128 3104 00	SPACER	1	
11	MT3128 3107 13	COVER	1	
12	MT3128 3103 93	BEARING HOUSING	1	
13	MT3128 3103 92	BEARING HOUSING	1	
14	MT3128 3115 78	SHIM	5	
15	MT3128 3103 94	COVER	1	
16	MT3128 3103 98	ARM	1	OEM
16.1	MT3128 3103 982	CLAMPING ARM	1	MT alternative
17	MT3128 2288 00	COVER	1	
18	MT0665 9170 01	WIPER SEAL	1	
19	MT0666 8000 24	V-RING SEAL	3	1 only MK7 on
20	MT0248 9979 54	THREADED ROD	2	
21	MT0211 1364 03	M10x35 SHCS	8	
22	MT3128 3103 91	ROD HANDLING ARM	1	1.8m drill tubes
22.1	MT3128 3103 90	ROD HANDLING ARM	1	1.5m drill tubes
23	MT3128 2288 00SK	COVER SEAL KIT	1	
24	MT9111 3001 RK5	GRIPPER REBUILD KIT PRE MK7	0	Includes items 6, 8, 9, 14, 19 & 23

	PART NUMBER	DESCRIPTION
101	MT9111 3001 60-5	GRIPPER SHAFT 1.5m (pre MK7)
100	MT9111 3001 61-5	GRIPPER SHAFT 1.8m (pre MK7)

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
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171 Dugan Street, Kalgoorlie W.A. 6430
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REFER PAGE 1.4 FOR ITEMS 1 - 24

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
25	MT3128 0031 18	COVER	1	
26	MT3128 0031 19	COVER	1	
27	MT3128 0031 15	BEARING HOUSING	1	
28	MT3128 0031 14	BEARING HOUSING	1	
29	MT3128 0031 16	SPACER RING	1	
30	MT0665 9100 86	WIPER	3	
31	MT0665 9100 88	WIPER	1	
32	MT0666 6000 56	LIP SEAL	1	
33	MT0663 6143 00	O-RING	1	
34	MT0663 9045 00	O-RING	1	
35	MT3128 0031 17	SHAFT	1	
36	MT3128 3065 451	SPACER	1	
37	MT5112 3061 39	HOSE NIPPLE	1	
38	MT3128 0031 13	ROD HANDLING SHAFT	1	1.8m drill tubes
38.1	MT3128 3102 135	ROD HANDLING SHAFT	1	1.5m drill tubes
39	MT9111 3001 RK6	GRIPPER REBUILD KIT MK7 ON	0	Inc. items 6, 8, 9, 14, 19, 23, & 30 to 33

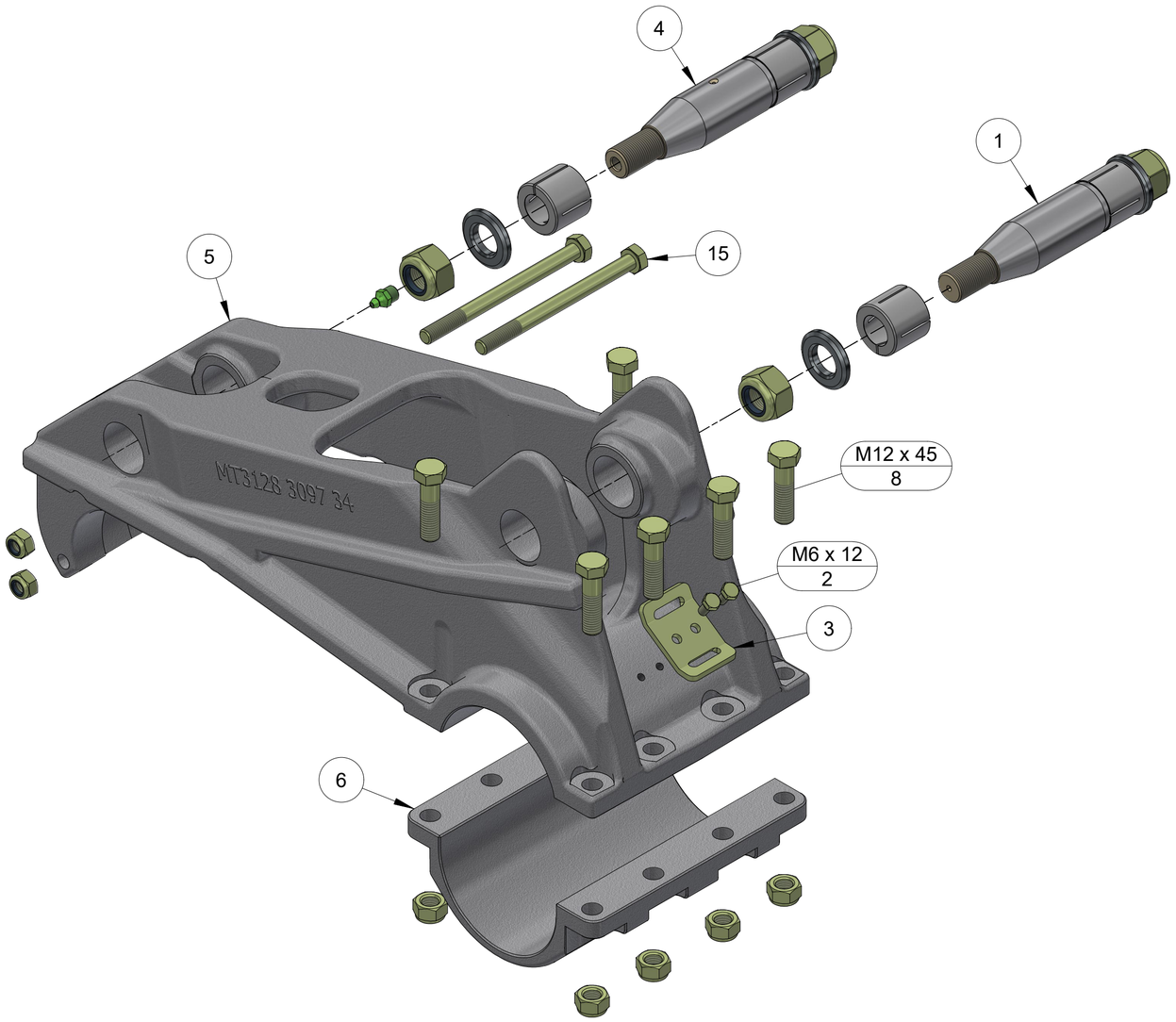
	PART NUMBER	DESCRIPTION
101	MT9111 3001 60-6	GRIPPER SHAFT 1.5m (MK7 on)
100	MT9111 3001 61-6	GRIPPER SHAFT 1.8m (MK7 on)

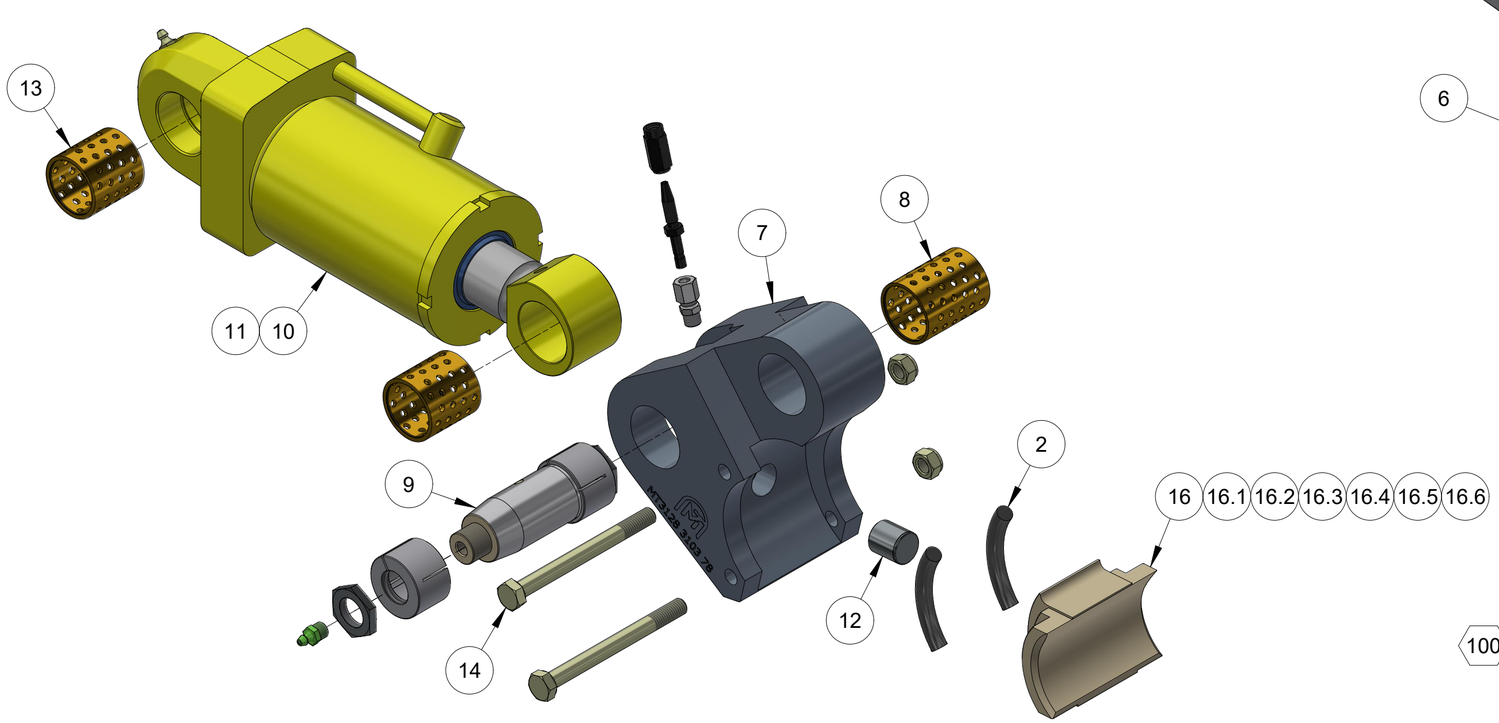
MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
parts@mtunderground.com
www.mtunderground.com

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT3128 0031 55	EXPANDING SHAFT	1	No grease point
2	MT3128 2353 00	DAMPING ELEMENT	4	
3	MT3128 2597 50	ATTACHMENT	1	
4	MT3128 3063 83	EXPANDING SHAFT	1	
5	MT3128 3097 34	ARM	1	
6	MT3128 3097 36	CLAMP	1	
7	MT3128 3103 78	JAW	1	
8	MT3128 3104 53	BUSHING	1	
9	MT3128 3105 98	EXPANDING SHAFT	1	
10	MT3128 3106 12	HYDRAULIC CYLINDER	1	
11	MT9120 0993 09	ARM CYLINDER SEAL KIT	1	
12	MT3128 3107 02	PIN GRIPPER DOWEL	2	
13	MT3128 3106 13	BUSHING	2	
14	MT0147 1380 03	M10x110 HEX HD	2	
15	MT0147 1382 03	M10x130 HEX HD	2	

GRIPPER JAWS (sold separate)

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
16	MT3128 3104 20	JAW 32	2	RHS17
16.1	MT3128 3104 21	JAW 38	2	RHS17
16.2	MT3128 3104 22	JAW 45	2	RHS17
16.3	MT3128 3104 25	JAW 64	2	RHS17
16.4	MT3128 3104 51	JAW 51	2	RHS27
16.5	MT3128 3104 26	JAW 76	2	RHS27
16.6	MT3128 3104 27	JAW 87	2	RHS27





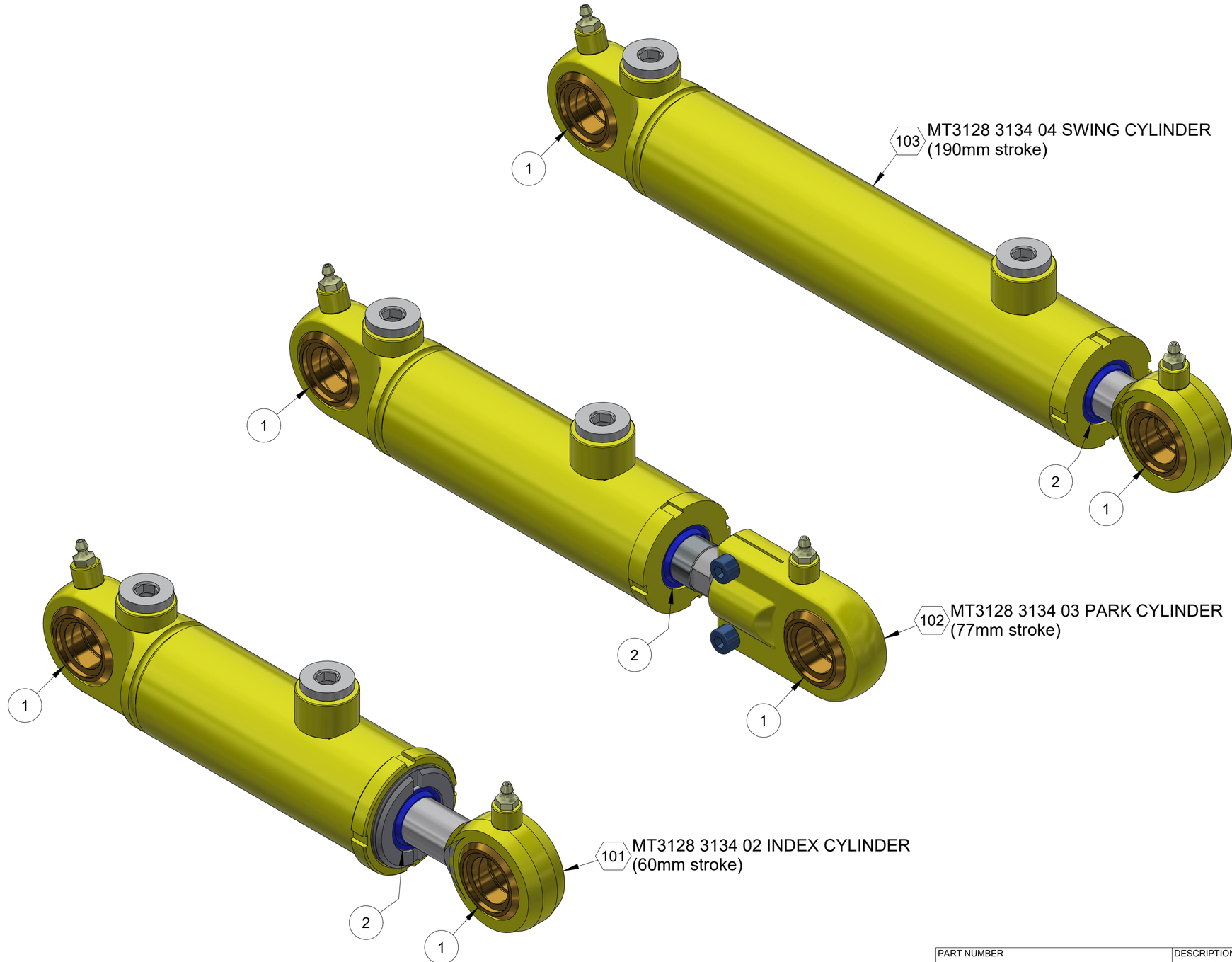
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PART NUMBER
MT3128 3097 33

DESCRIPTION
ARM - RHS17 / RHS27

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
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www.mtunderground.com

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT3128 3134 05	BRONZE CYLINDER BUSH	0	
2	MT9120 0993 05	SMALL CYLINDER SEAL KIT	0	



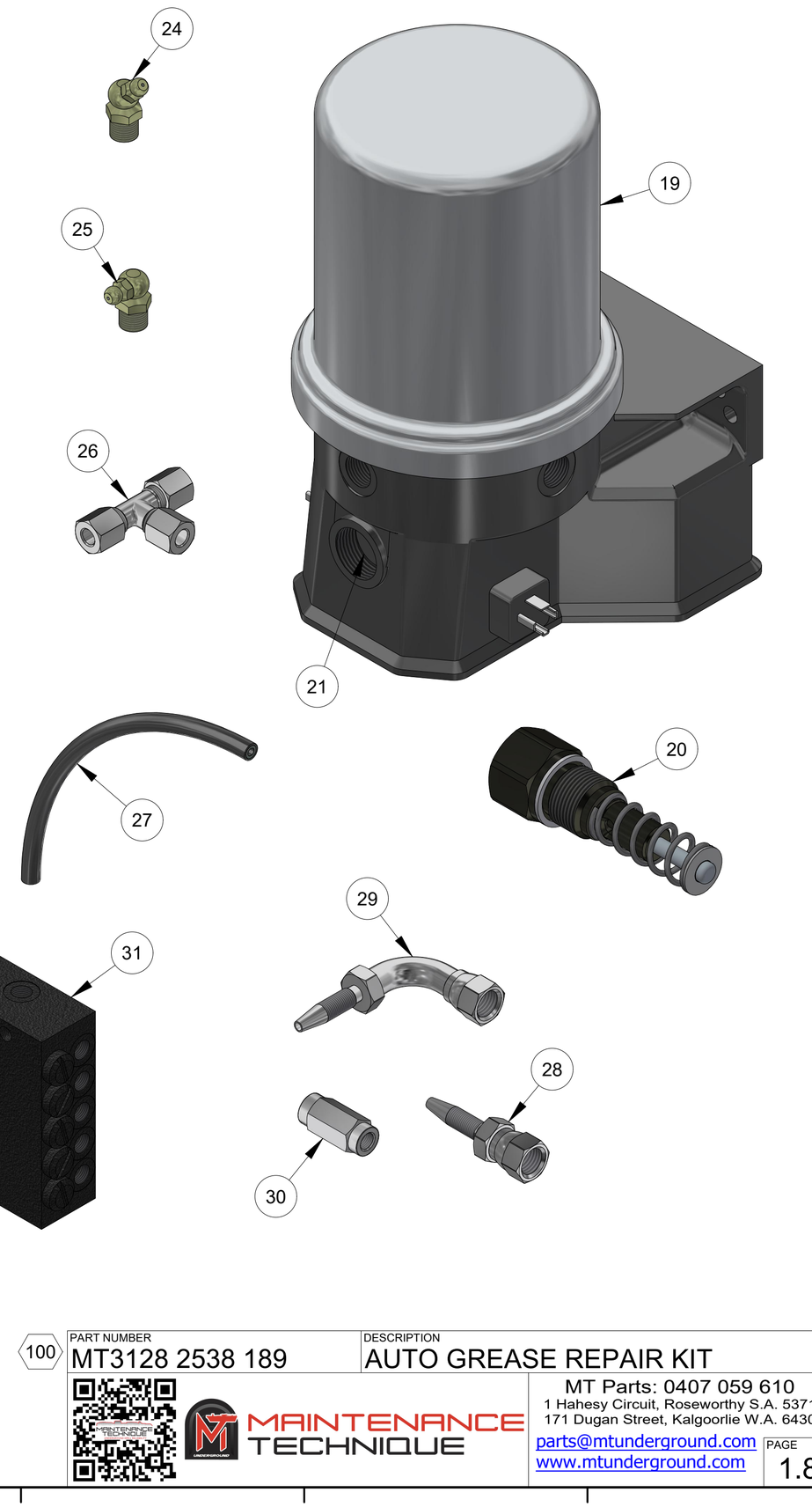
PART NUMBER

DESCRIPTION
HYDRAULIC CYLINDERS - RHS27

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
parts@mtunderground.com
www.mtunderground.com

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT3128 2538 17	GREASE DISTRIBUTOR BLOCK 6 PORT	1	With indicator
2	MT3128 2538 18	GREASE DISTRIBUTOR BLOCK 12 PORT	1	
3	MT3128 2539 95	CHECK VALVE	6	
4	MT3128 2538 12	ADAPTOR T	2	Grease block
5	MT3128 3005 37	PLUG	6	Grease block
6	MT0580 0002 00	COUPLING STRAIGHT	10	
7	MT0580 2202 00	COUPLING 90°	10	1/8" BSP (12mm hex nut)
8	MT0580 2014 07	COUPLING 90°	6	1/8" BSP (14mm hex nut)
9	MT3128 2538 08J	HOSE JOINER	10	
10	MT3128 2539 9A	NUT & OLIVE	6	
11	MT3128 2538 09	HOSE ADAPTOR STRAIGHT	10	
12	MT3128 2538 90	HOSE ADAPTER 90°	10	
13	MT3128 2538 08	THREADED SLEEVE	20	
14	MT0544 2162 00	GREASE NIPPLE	10	1/8" BSP
15	MT3128 2538 10	HIGH POWER PIPE	10	Order by metre
16	MT3128 2538 02	SAFETY VALVE	1	Pump outlet
17	MT3128 3151 485	RELIEF VALVE	2	Grease, 5 Bar
18	MT9106 1900 012	STORAGE BOX	1	Not shown
19	MT3128 2538 36	GREASE PUMP		Not in repair kit, supplied with 1 pump element
20	MT3128 2538 01	PUMP ELEMENT		Not in repair kit
21	MT3128 3049 45	CIRCUIT BOARD		Not in repair kit
22	MT3128 2538 03	GREASE DISTRIBUTOR BLOCK 8 PORT		Not in repair kit, not shown
23	MT3128 2538 19	GREASE DISTRIBUTOR BLOCK 12 PORT		Not in repair kit, with indicator, not shown
24	MT0544 2362 00	GREASE NIPPLE 45°		Not in repair kit, 1/8" BSP
25	MT0544 2562 00	GREASE NIPPLE 90°		Not in repair kit, 1/8" BSP
26	MT0580 4602 00	TEE JOINER		Not in repair kit
27	MT5112 2164 00	PVC HIGH POWER PIPE		Not in repair kit, order by metre
28	MT3128 2538 73	HOSE STUD - 7/16"		Not in repair kit
29	MT3128 2538 77	HOSE STUD 90° SHORT - 7/16"		Not in repair kit
30	MT3128 2538 79	THREADED SLEEVE - 7/16"		Not in repair kit
31	MT3128 2538 87	GREASE DISTRIBUTOR BLOCK 10 PORT		Not in repair kit

Auto Grease Repair Kit

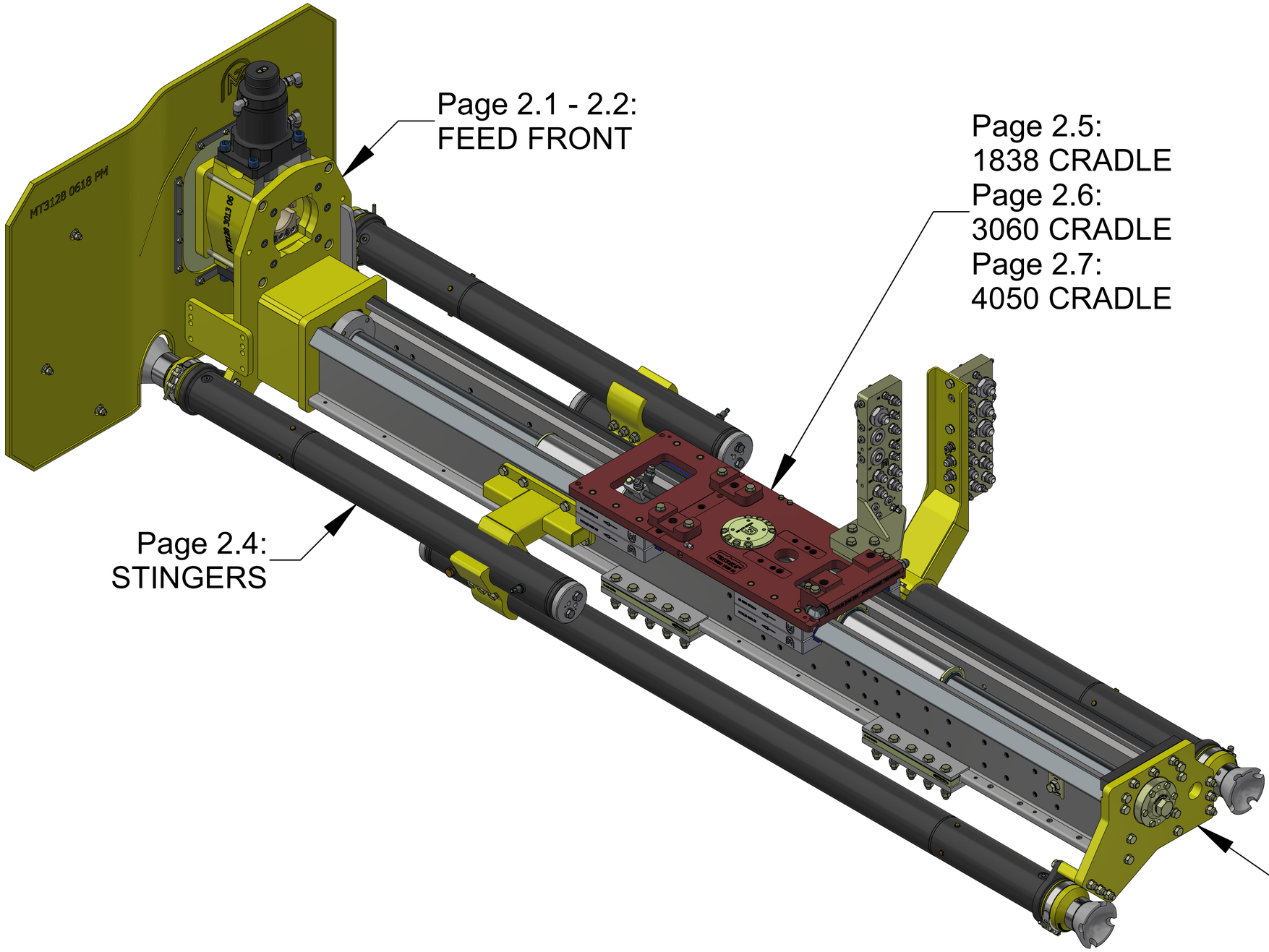


100

PART NUMBER
MT3128 2538 189

DESCRIPTION
AUTO GREASE REPAIR KIT

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
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Page 2.1 - 2.2:
FEED FRONT

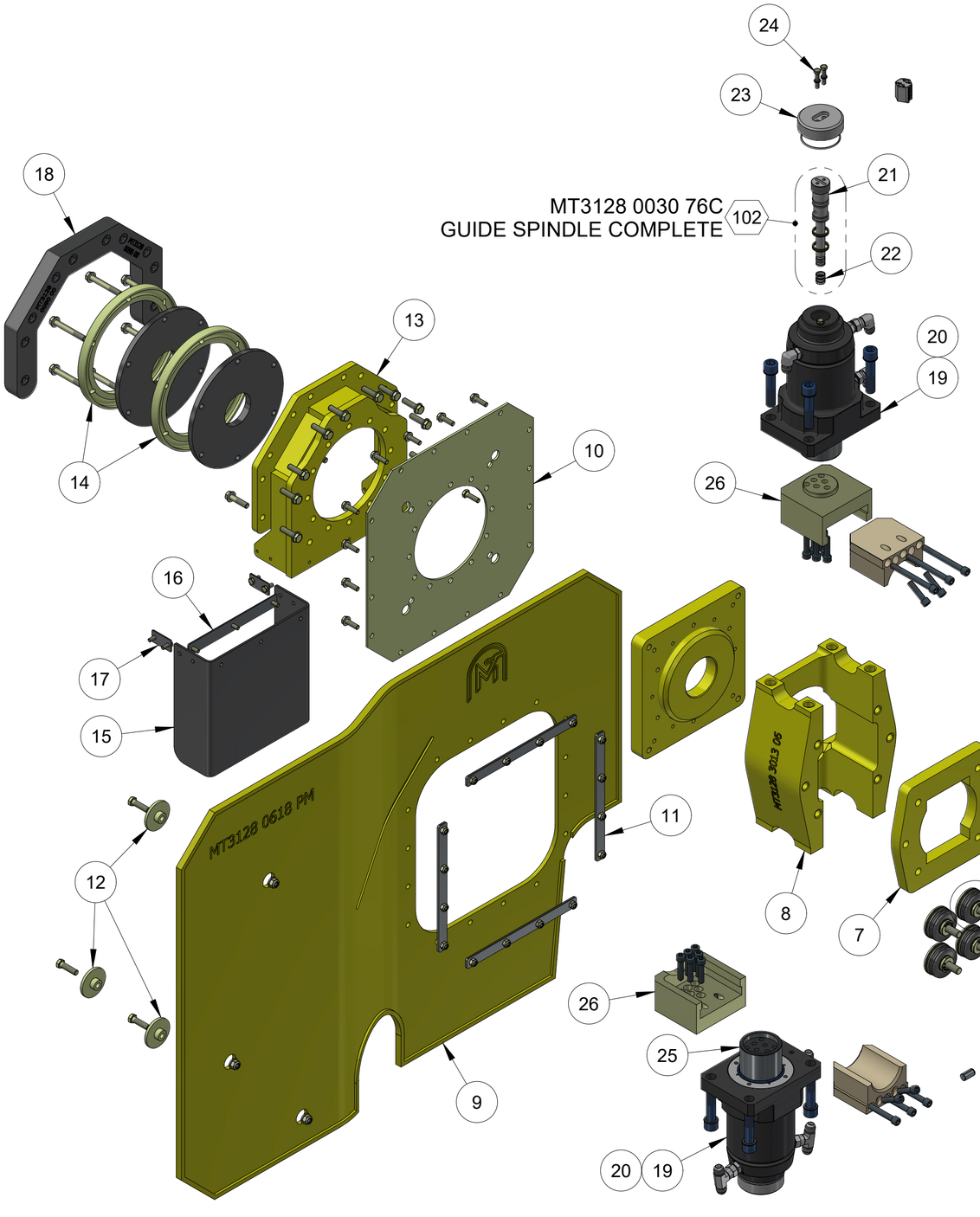
Page 2.5:
1838 CRADLE
Page 2.6:
3060 CRADLE
Page 2.7:
4050 CRADLE

Page 2.4:
STINGERS

Page 2.3:
FEED REAR

PART NUMBER	DESCRIPTION
MT3128 4050 18	FEED ASSEMBLY

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
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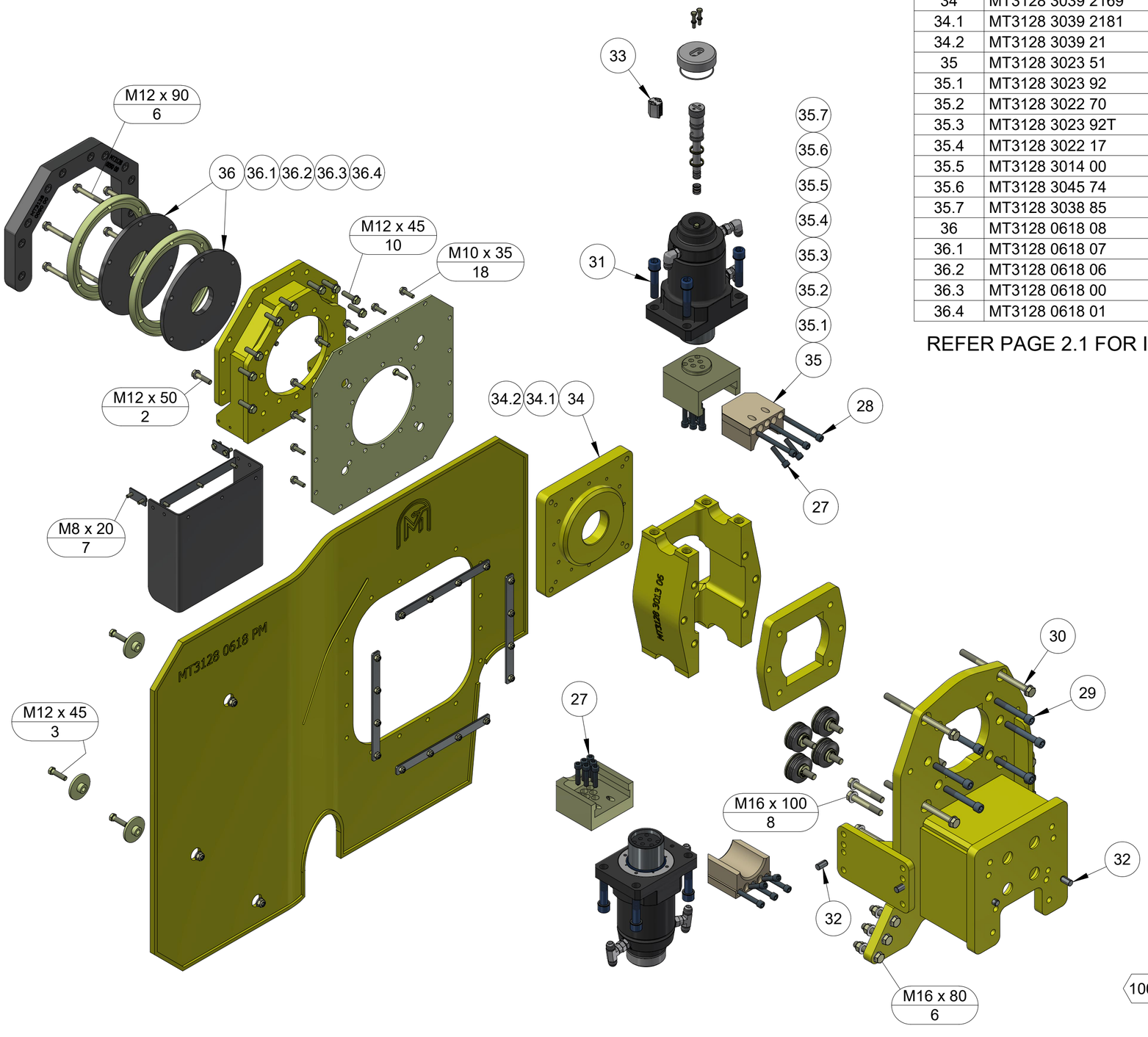
ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT3128 3105 16	FRONT PLATE	1	
2	MT3128 3097 90	WASHER	4	
3	MT0663 2102 09	O-RING	4	
4	MT3128 3097 91	SLEEVE	4	
5	MT0663 6131 00	O-RING	4	
6	MT0384 3546 00	DISC SPRING	16	
7	MT3128 3097 93	INTERM PLATE	1	
8	MT3128 3013 06	DRILL STEEL SUPPORT	1	
9	MT3128 0618 PM	CAROUSEL PROTECTION MAT	1	
10	MT3128 0618 MM	MAT MOUNT	1	
11	MT3128 0618 AP	ATTACHMENT PLATE	4	
12	MT3128 0618 LW	MAT WASHER	3	
13	MT3128 3047 81	CUTTING GUIDE	1	
14	MT3128 0616 00	CUTTING RING	2	
15	MT3128 0094 00	RUBBER CLOTH	1	
16	MT3128 0682 00	SHIM	1	
17	MT3128 0683 00	SHIM	2	
18	MT3128 0090 00	COLLARING PART	1	
19	MT3128 1311 75	HYDRAULIC CYLINDER	2	
20	MT3128 0030 77	CYLINDER SEAL KIT	1	Includes spindle seals
21	MT3128 0030 76	GUIDE SPINDLE	2	
22	MT3128 0030 76SK	GUIDE SPINDLE SEAL KIT	1	
23	MT3128 3141 35	COVER	2	
24	MT3128 3141 34	M8x40 HEX HD	4	
25	MT3217 6246 47	PISTON ROD	2	
26	MT3128 3013 89	SIMBA JAW HOLDER	2	

REFER PAGE 2.2 FOR ITEMS NOT LISTED ABOVE

101 MT0384 3546 00C
FEED CYLINDER RETAINER KIT

100 PART NUMBER MT3128 0020 26-2 | DESCRIPTION FEED FRONT

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
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ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
27	MT0211 1963 02	M12x50 SHCS	16	
28	MT0211 1963 44	M12x120 SHCS	6	
29	MT0211 1963 42	M16x110 SHCS	6	
30	MT0147 1501 03	M16x240 HEX HD	4	
31	MT0211 1963 35	M20x90 SHCS	8	
32	MT3128 3022 32	PIN	4	
33	MT3128 0672 02	BSH ADJUSTING TOOL	1	
34	MT3128 3039 2169	INTERM. PLATE - GUIDE 64mm	1	T45
34.1	MT3128 3039 2181	INTERM. PLATE - GUIDE 76mm	1	T58
34.2	MT3128 3039 21	INTERM. PLATE - GUIDE 87mm	1	T68
35	MT3128 3023 51	CHECK 32mm SPEED ROD	2	R32
35.1	MT3128 3023 92	CHECK 38mm SPEED ROD	2	T38
35.2	MT3128 3022 70	CHECK 45mm SPEED ROD	2	T45
35.3	MT3128 3023 92T	CHECK T38 TUBE JAW	2	T38
35.4	MT3128 3022 17	CHECK 64mm TUBE JAW	2	ST45
35.5	MT3128 3014 00	CHECK T51 TUBE JAW	2	T51
35.6	MT3128 3045 74	CHECK 76mm TUBE JAW	2	T58
35.7	MT3128 3038 85	CHECK 87mm TUBE JAW	2	T68
36	MT3128 0618 08	TUBE CUTTING GASKET 32-36mm	2	T32
36.1	MT3128 0618 07	TUBE CUTTING GASKET 38mm	2	T38
36.2	MT3128 0618 06	TUBE CUTTING GASKET 45mm	2	T45
36.3	MT3128 0618 00	TUBE CUTTING GASKET 64-76mm	2	ST58
36.4	MT3128 0618 01	TUBE CUTTING GASKET 87mm	2	ST68

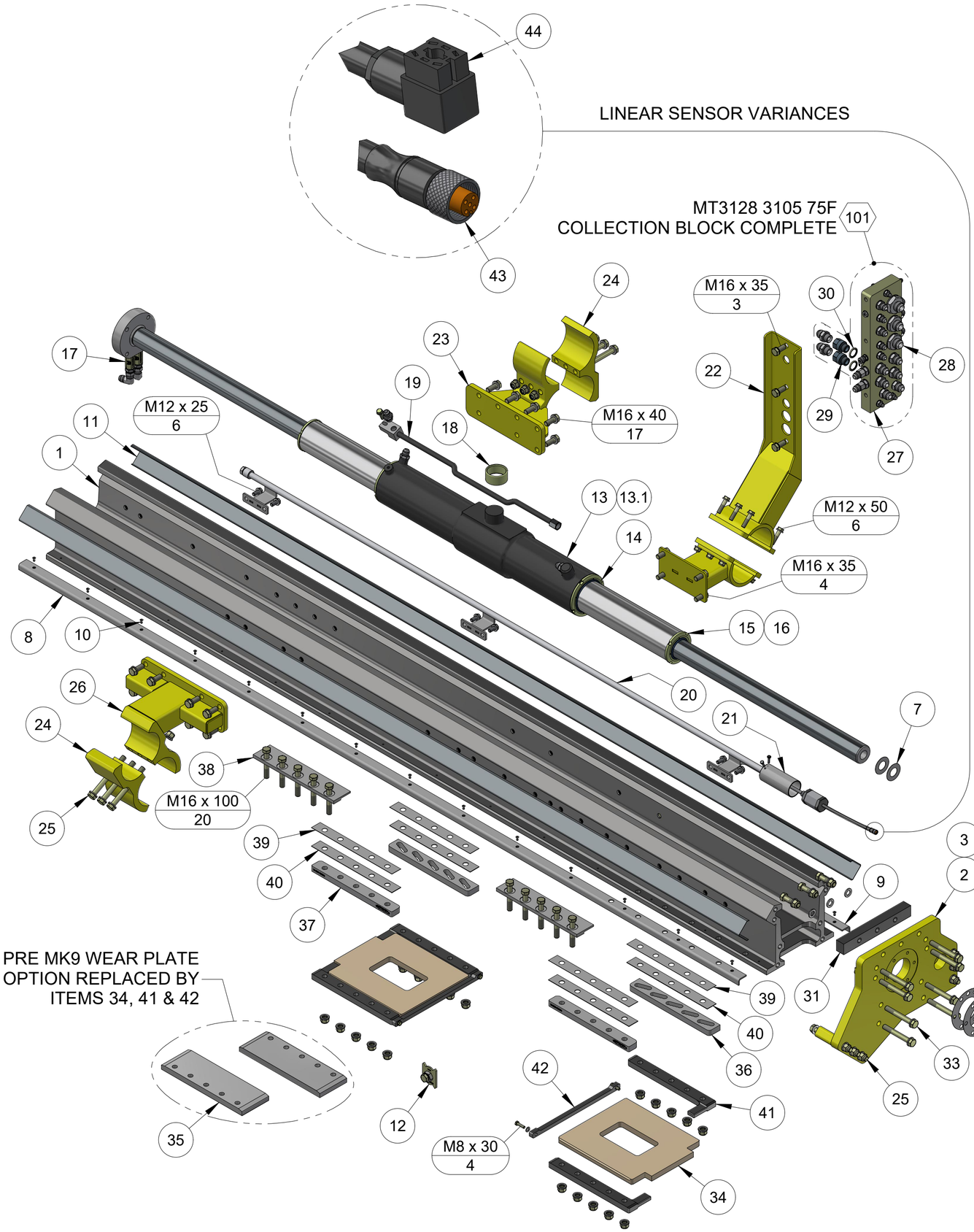
REFER PAGE 2.1 FOR ITEMS NOT LISTED ABOVE

100

PART NUMBER
MT3128 0020 26-3

DESCRIPTION
FEED FRONT

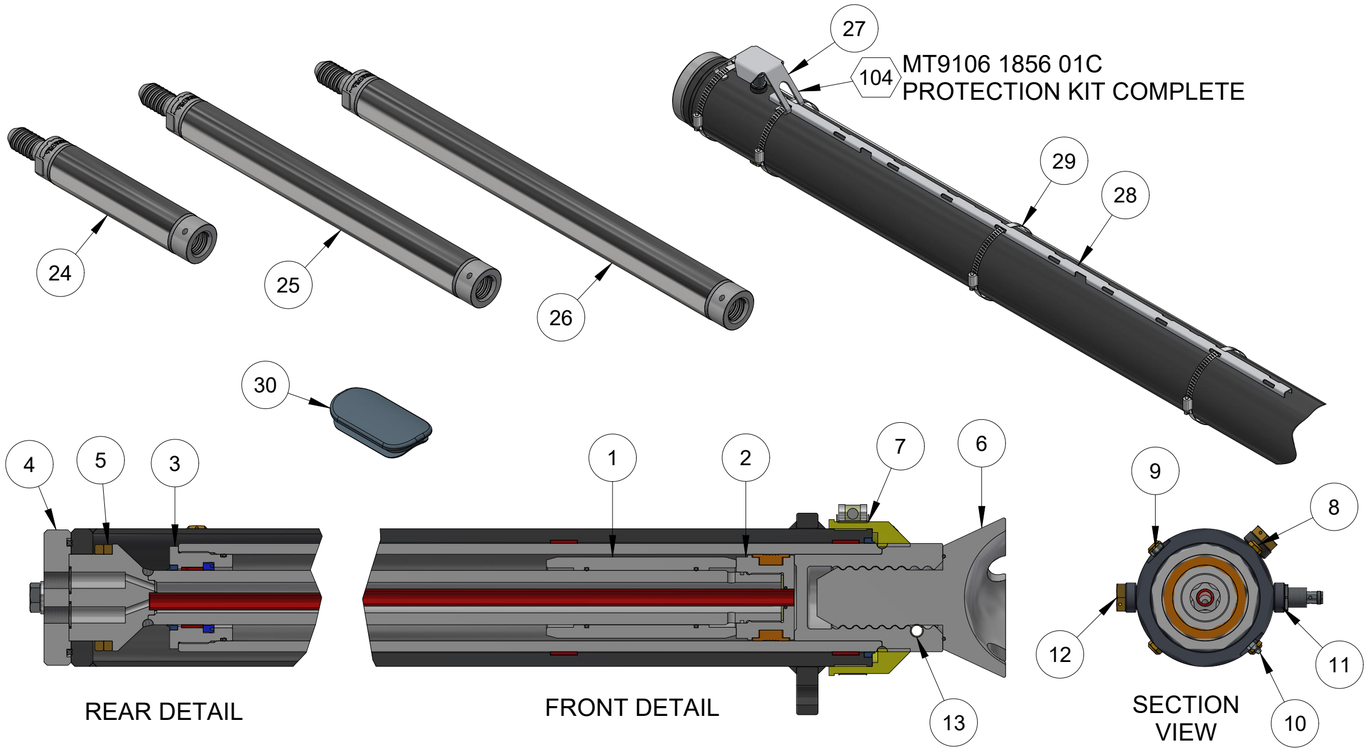
MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
parts@mtunderground.com
www.mtunderground.com



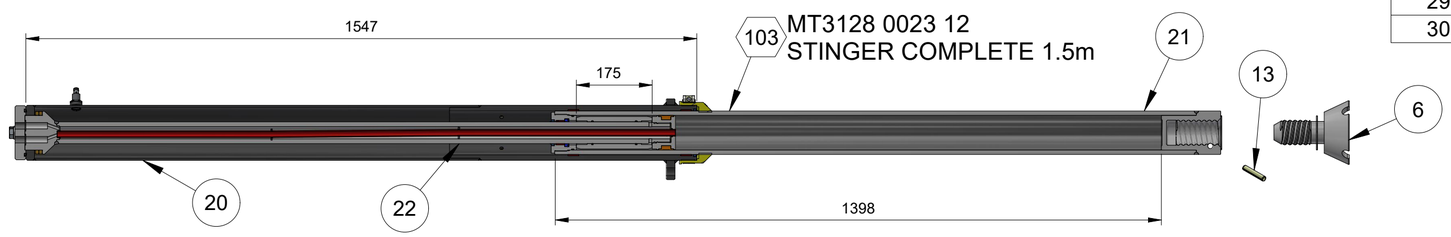
ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT3128 0030 62	FEED BEAM 1.8m (200 series)	1	Includes items 8 - 12
2	MT3128 3097 88	END PLATE COMPLETE	1	Includes items 3 - 7
3	MT3128 3097 88P	END PLATE	1	
4	MT3128 3097 88B	END PLATE ATTACHMENT	1	
5	MT3128 3097 88BS	END PLATE ATTACHMENT SHIM	2	
6	MT0663 2103 67	O-RING	1	
7	MT9236 2002 69	SHIM	2	
8	MT3128 0034 05	SLIDE BAR LEFT	1	
9	MT3128 0034 06	SLIDE BAR RIGHT	1	
10	MT0129 3270 44	BLIND RIVET S/S	28	
11	MT3128 0034 01	CLIP-ON 200 SERIES	2	
12	MT3128 0034 013	CLIP-ON LOCKING ASSEMBLY	2	
13	MT9121 7221 01SX	FEED CYLINDER 1.8m	1	Service ex.
13.1	MT3128 3019 97SX	FEED CYLINDER 1.5m	0	Service ex.
14	MT9122 4332 50	COVER	2	
15	MT9126 2770 50	COVER	2	
16	MT9121 6526 50	FEED CYLINDER SEAL KIT	1	Complete
17	MT3128 0785 74	EXTENSION	2	
18	MT9127 2523 00	PLAIN BEARING	1	
19	MT9126 2714 00	PIPE	1	
20	MT3128 3097 99	SENSOR BRACKET	1	
21	MT3128 0030 19	PROTECT COVER	1	
22	MT9111 4017 93C	ATTACHMENT COMPLETE	1	
23	MT3128 3161 62	ATTACHMENT	1	
24	MT3128 3098 12	CLAMP	2	
25	MT0147 1496 03	M16x160 HEX HD	12	
26	MT3128 3098 13	ATTACHMENT	1	
27	MT3128 3105 75	COLLECT BLOCK	1	
28	MT3128 3105 75FK	FITTINGS KIT	0	29 & 30 not included
29	MT3217 6512 03	RESTRICTION	0	Sold separate
30	MT DSB 12	SEAL WASHER	0	Sold separate
31	MT3128 0037 00	DAMPING	1	
32	MT0147 1959 28	M30x150 HEX HD	1	
33	MT0147 1492 03	M16x120 HEX HD	8	
34	MT9111 0003 10	WEAR PLATE	2	
35	MT3128 0554 02	WEAR PLATE	0	Pre MK9 option
36	MT3128 0553 01	GUIDE STRIP	2	
37	MT3128 0556 01	GUIDE STRIP	2	
38	MT3128 0031 36	CLAMP	4	
39	MT3128 0558 00	SHIM	4	
40	MT3128 0557 00	SHIM 1.5mm	4	
41	MT9111 0003 08	WEAR PLATE	4	
42	MT9111 0003 09	CLAMP	2	
43	MT9106 2192 17	LINEAR SENSOR RCS4/5	1	
44	MT3128 3097 27	LINEAR SENSOR RCS3	1	2.4m cable

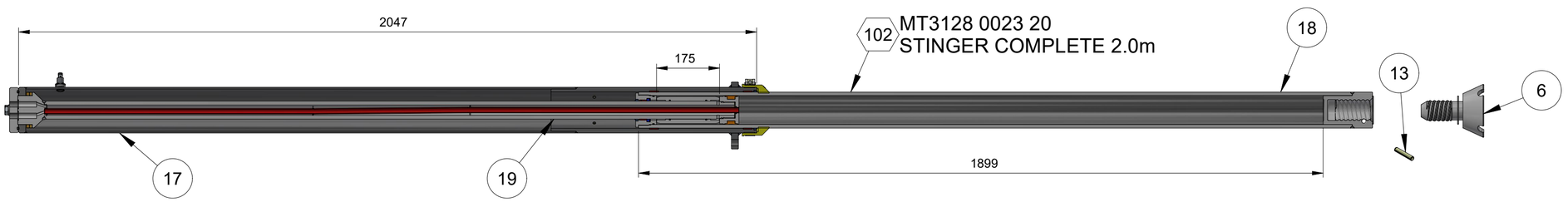
100 | PART NUMBER: MT3128 0020 26-4 | DESCRIPTION: FEED REAR

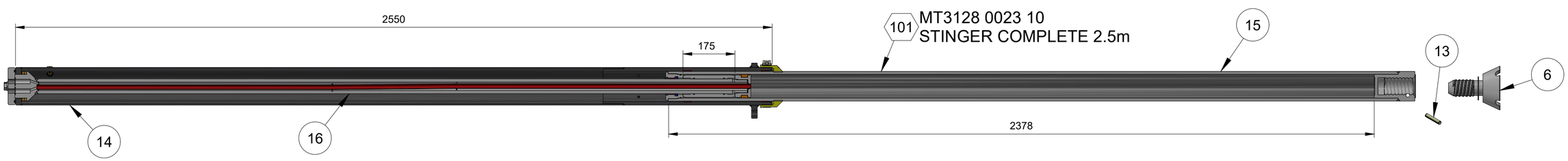
MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
parts@mtunderground.com
www.mtunderground.com



ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT9128 4285 175	SPACER	1	
2	MT3128 2592 16	PISTON	1	
3	MT9126 3960 00	COVER	1	
4	MT9236 2017 61	BLOCK	1	
5	MT9236 2017 62	WASHER	2	
6	MT9236 2027 42	STINGER FOOT	1	MT only, includes o-ring
7	MT3128 2191 72S	SEAL + CLAMP	1	
8	MT9236 2017 63	FILTER PLUG	4	
9	MT3128 3005 37	PLUG	1	
10	MT0544 2162 00	GREASE NIPPLE	1	
11	MT9106 1856 01	INDUCTIVE SENSOR	1	
12	MT9106 1856 01P	BREATHER PLUG	2	MT only
13	MT9236 2027 421	PIN	1	
14	MT3128 2191 703	OUTER TUBE 2500	1	
15	MT3128 2191 743	MANTLE 2500	1	
16	MT3128 2191 723	PISTON ROD 2500	1	MT only
17	MT3128 0023 200	OUTER TUBE 2000	1	
18	MT3128 2191 742	MANTLE 2000	1	
19	MT3128 2191 722	PISTON ROD 2000	1	
20	MT3128 0023 125	OUTER TUBE 1500	1	
21	MT3128 2191 741	MANTLE 1500	1	MT only
22	MT3128 2191 72	PISTON ROD 1500	1	Includes item 1
23	MT3128 2191 71	STINGER SEAL KIT	1	Item 7 not included
24	MT9111 2826 101	STINGER EXTENSION	1	ST58 - 500mm
25	MT9111 2826 121	STINGER EXTENSION	1	ST58 - 1000mm
26	MT9111 2826 131	STINGER EXTENSION	1	ST58 - 1250mm
27	MT9106 1856 011	SENSOR PROTECTION	1	
28	MT9106 1856 012	CABLE PROTECTION	1	
29	MT9106 1856 013	PROTECTION CLAMP	4	
30	MT3128 2191 73	STINGER PLUG	0	OEM only



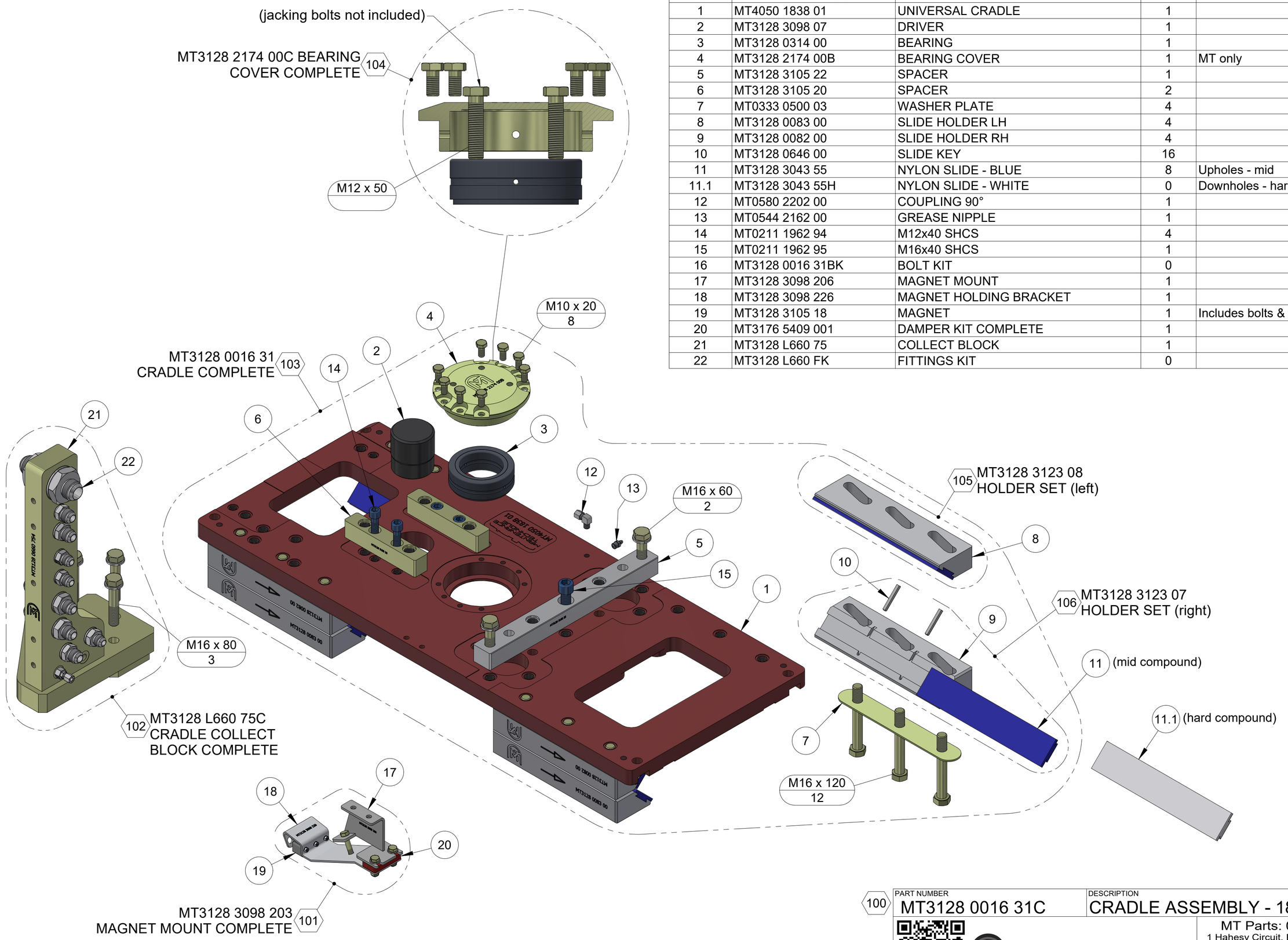




100 | PART NUMBER: MT3128 0023 109 | DESCRIPTION: STINGERS - RHS27

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
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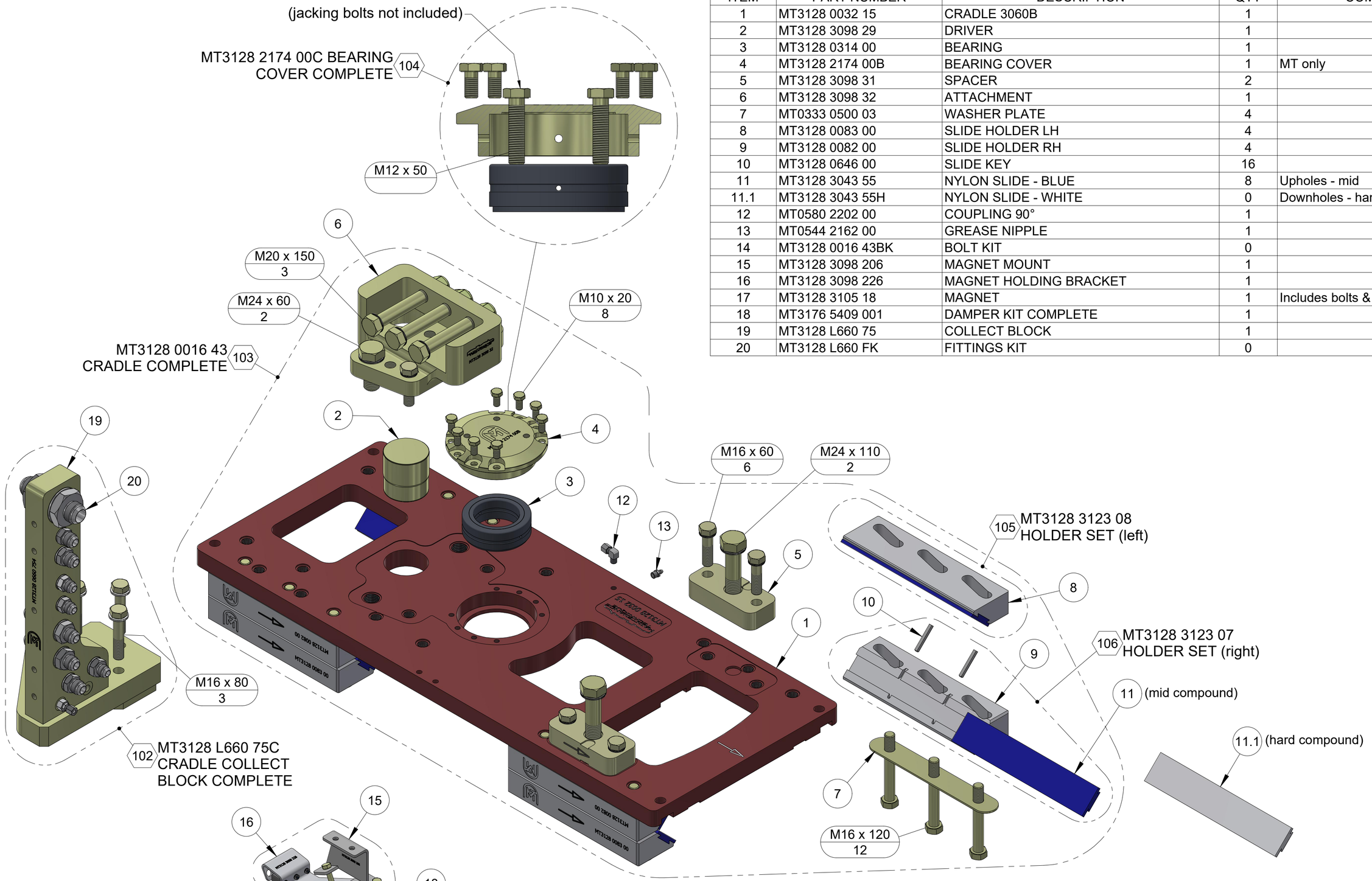
ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT4050 1838 01	UNIVERSAL CRADLE	1	
2	MT3128 3098 07	DRIVER	1	
3	MT3128 0314 00	BEARING	1	
4	MT3128 2174 00B	BEARING COVER	1	MT only
5	MT3128 3105 22	SPACER	1	
6	MT3128 3105 20	SPACER	2	
7	MT0333 0500 03	WASHER PLATE	4	
8	MT3128 0083 00	SLIDE HOLDER LH	4	
9	MT3128 0082 00	SLIDE HOLDER RH	4	
10	MT3128 0646 00	SLIDE KEY	16	
11	MT3128 3043 55	NYLON SLIDE - BLUE	8	Upholes - mid
11.1	MT3128 3043 55H	NYLON SLIDE - WHITE	0	Downholes - hard
12	MT0580 2202 00	COUPLING 90°	1	
13	MT0544 2162 00	GREASE NIPPLE	1	
14	MT0211 1962 94	M12x40 SHCS	4	
15	MT0211 1962 95	M16x40 SHCS	1	
16	MT3128 0016 31BK	BOLT KIT	0	
17	MT3128 3098 206	MAGNET MOUNT	1	
18	MT3128 3098 226	MAGNET HOLDING BRACKET	1	
19	MT3128 3105 18	MAGNET	1	Includes bolts & nuts
20	MT3176 5409 001	DAMPER KIT COMPLETE	1	
21	MT3128 L660 75	COLLECT BLOCK	1	
22	MT3128 L660 FK	FITTINGS KIT	0	



100 PART NUMBER MT3128 0016 31C

DESCRIPTION CRADLE ASSEMBLY - 1838

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
parts@mtunderground.com
www.mtunderground.com

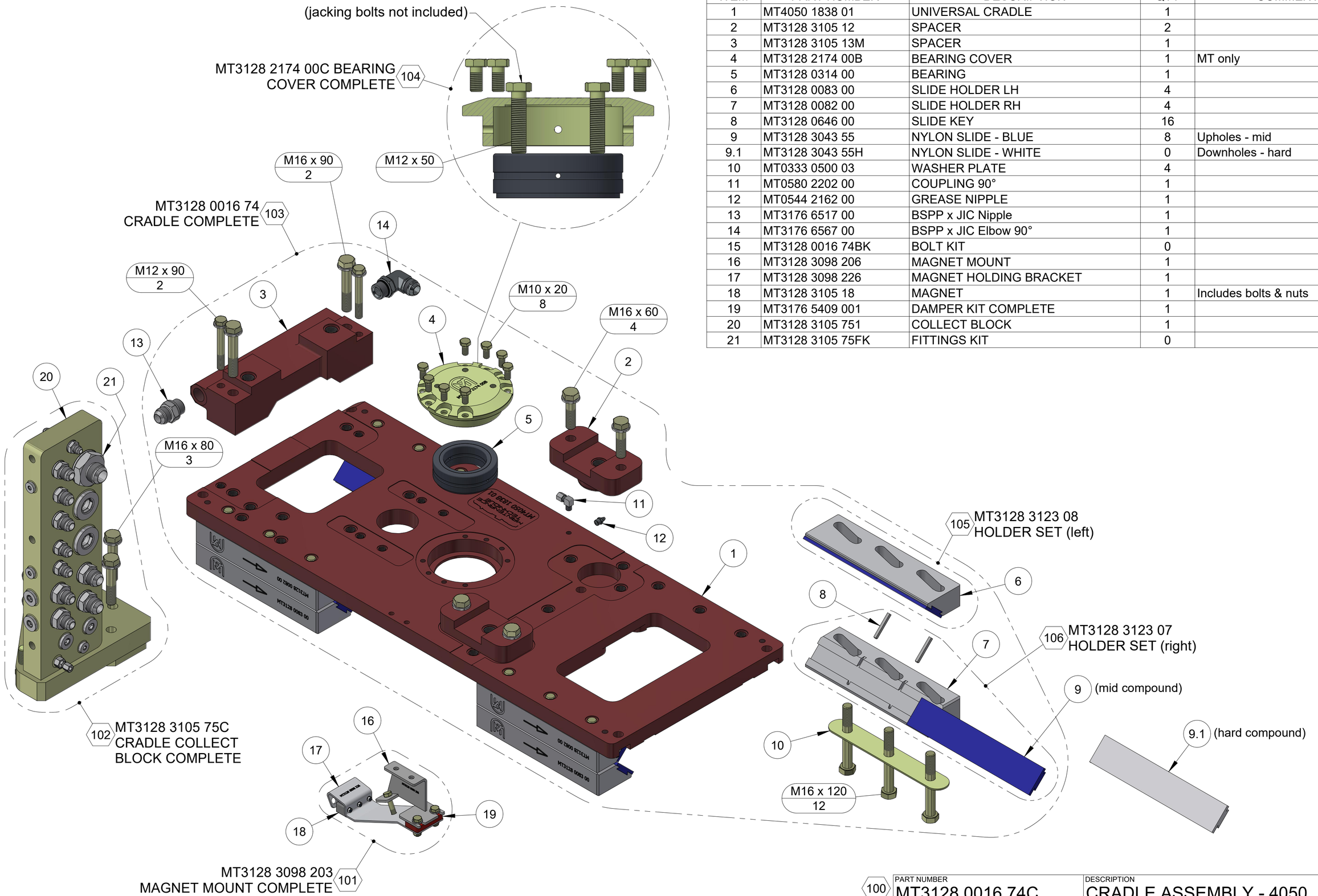


ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT3128 0032 15	CRADLE 3060B	1	
2	MT3128 3098 29	DRIVER	1	
3	MT3128 0314 00	BEARING	1	
4	MT3128 2174 00B	BEARING COVER	1	MT only
5	MT3128 3098 31	SPACER	2	
6	MT3128 3098 32	ATTACHMENT	1	
7	MT0333 0500 03	WASHER PLATE	4	
8	MT3128 0083 00	SLIDE HOLDER LH	4	
9	MT3128 0082 00	SLIDE HOLDER RH	4	
10	MT3128 0646 00	SLIDE KEY	16	
11	MT3128 3043 55	NYLON SLIDE - BLUE	8	Upholes - mid
11.1	MT3128 3043 55H	NYLON SLIDE - WHITE	0	Downholes - hard
12	MT0580 2202 00	COUPLING 90°	1	
13	MT0544 2162 00	GREASE NIPPLE	1	
14	MT3128 0016 43BK	BOLT KIT	0	
15	MT3128 3098 206	MAGNET MOUNT	1	
16	MT3128 3098 226	MAGNET HOLDING BRACKET	1	
17	MT3128 3105 18	MAGNET	1	Includes bolts & nuts
18	MT3176 5409 001	DAMPER KIT COMPLETE	1	
19	MT3128 L660 75	COLLECT BLOCK	1	
20	MT3128 L660 FK	FITTINGS KIT	0	

100 PART NUMBER MT3128 0016 43C

DESCRIPTION CRADLE ASSEMBLY - 3060

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
parts@mtunderground.com
www.mtunderground.com

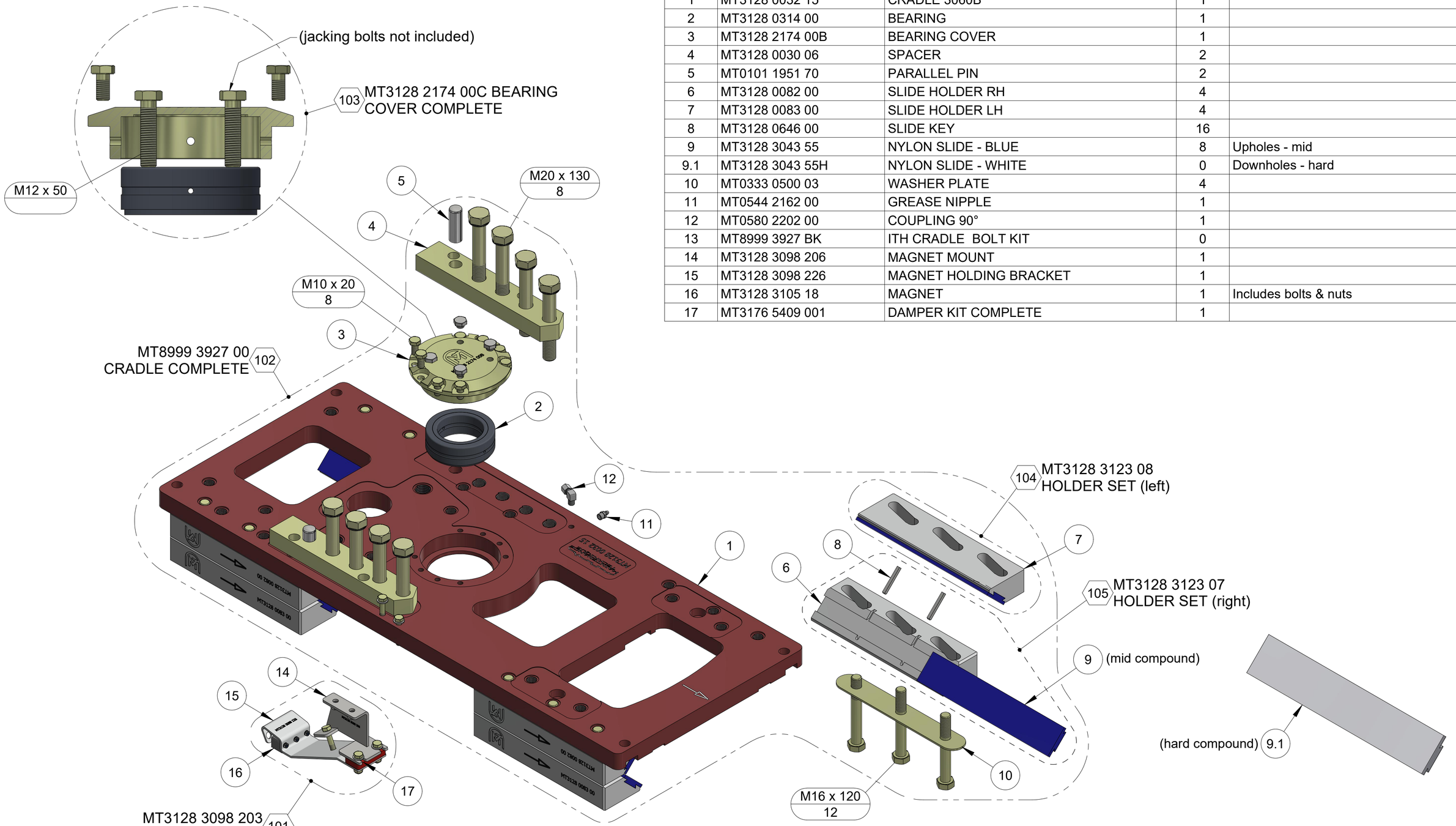


ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT4050 1838 01	UNIVERSAL CRADLE	1	
2	MT3128 3105 12	SPACER	2	
3	MT3128 3105 13M	SPACER	1	
4	MT3128 2174 00B	BEARING COVER	1	MT only
5	MT3128 0314 00	BEARING	1	
6	MT3128 0083 00	SLIDE HOLDER LH	4	
7	MT3128 0082 00	SLIDE HOLDER RH	4	
8	MT3128 0646 00	SLIDE KEY	16	
9	MT3128 3043 55	NYLON SLIDE - BLUE	8	Upholes - mid
9.1	MT3128 3043 55H	NYLON SLIDE - WHITE	0	Downholes - hard
10	MT0333 0500 03	WASHER PLATE	4	
11	MT0580 2202 00	COUPLING 90°	1	
12	MT0544 2162 00	GREASE NIPPLE	1	
13	MT3176 6517 00	BSPP x JIC Nipple	1	
14	MT3176 6567 00	BSPP x JIC Elbow 90°	1	
15	MT3128 0016 74BK	BOLT KIT	0	
16	MT3128 3098 206	MAGNET MOUNT	1	
17	MT3128 3098 226	MAGNET HOLDING BRACKET	1	
18	MT3128 3105 18	MAGNET	1	Includes bolts & nuts
19	MT3176 5409 001	DAMPER KIT COMPLETE	1	
20	MT3128 3105 751	COLLECT BLOCK	1	
21	MT3128 3105 75FK	FITTINGS KIT	0	

100 | PART NUMBER: MT3128 0016 74C | DESCRIPTION: CRADLE ASSEMBLY - 4050

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
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www.mtunderground.com

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT3128 0032 15	CRADLE 3060B	1	
2	MT3128 0314 00	BEARING	1	
3	MT3128 2174 00B	BEARING COVER	1	
4	MT3128 0030 06	SPACER	2	
5	MT0101 1951 70	PARALLEL PIN	2	
6	MT3128 0082 00	SLIDE HOLDER RH	4	
7	MT3128 0083 00	SLIDE HOLDER LH	4	
8	MT3128 0646 00	SLIDE KEY	16	
9	MT3128 3043 55	NYLON SLIDE - BLUE	8	Upholes - mid
9.1	MT3128 3043 55H	NYLON SLIDE - WHITE	0	Downholes - hard
10	MT0333 0500 03	WASHER PLATE	4	
11	MT0544 2162 00	GREASE NIPPLE	1	
12	MT0580 2202 00	COUPLING 90°	1	
13	MT8999 3927 BK	ITH CRADLE BOLT KIT	0	
14	MT3128 3098 206	MAGNET MOUNT	1	
15	MT3128 3098 226	MAGNET HOLDING BRACKET	1	
16	MT3128 3105 18	MAGNET	1	Includes bolts & nuts
17	MT3176 5409 001	DAMPER KIT COMPLETE	1	



100 | PART NUMBER: MT8999 3927 00C | DESCRIPTION: CRADLE ASSEMBLY - ITH

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
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101 MT9754 0067 80 FLUSHING KIT1838 MUX



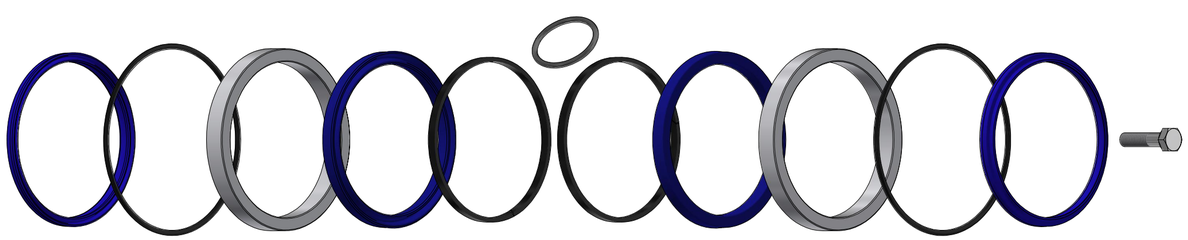
102 MT3115 2387 SK FLUSHING KIT1838 MEX



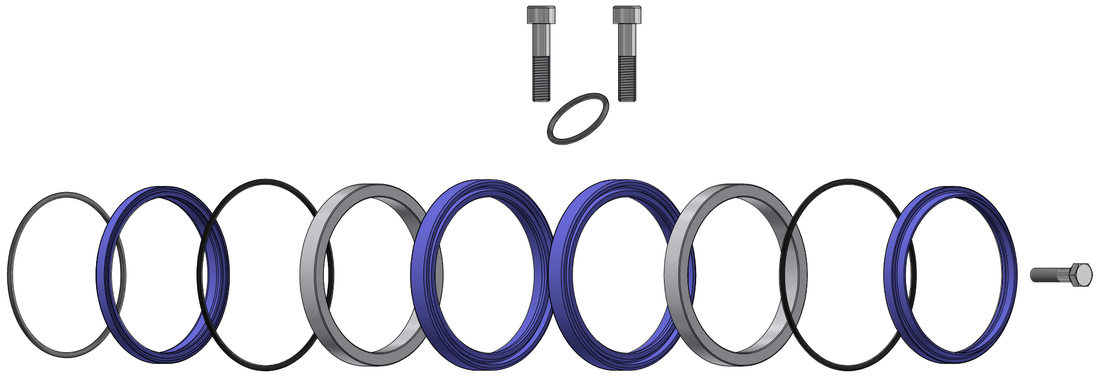
103 MT9574 0099 86 FLUSHING KIT 2550 MUX



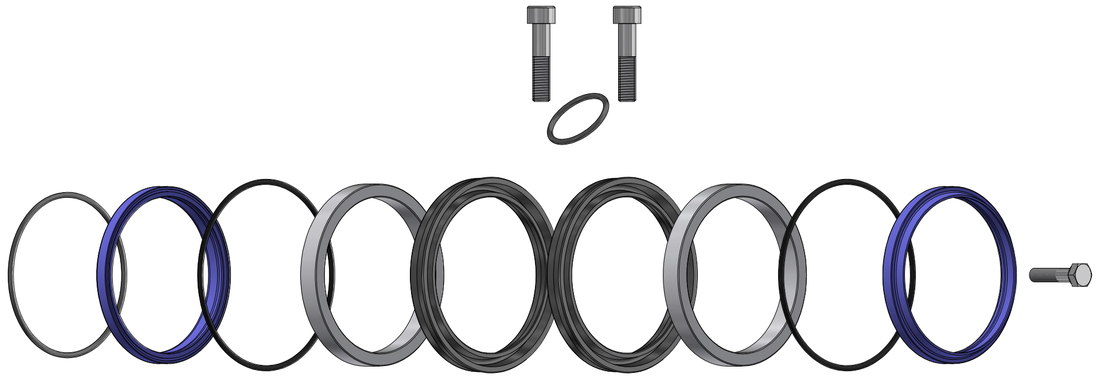
104 MT3115 3060 SK FLUSHING KIT 3060 MUX V1



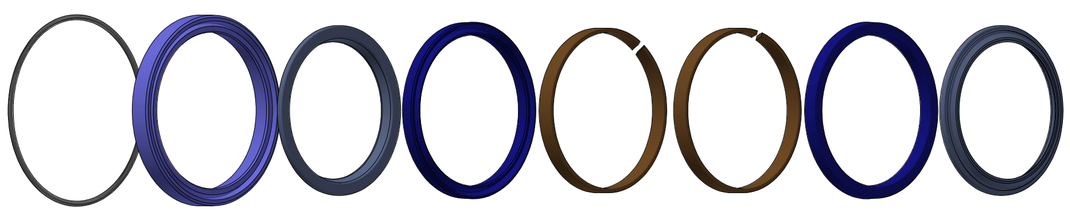
105 MT3115 6005 72SK FLUSHING KIT 3060 V2



106 MT3115 6005 727 FLUSHING KIT 3060 HD V2



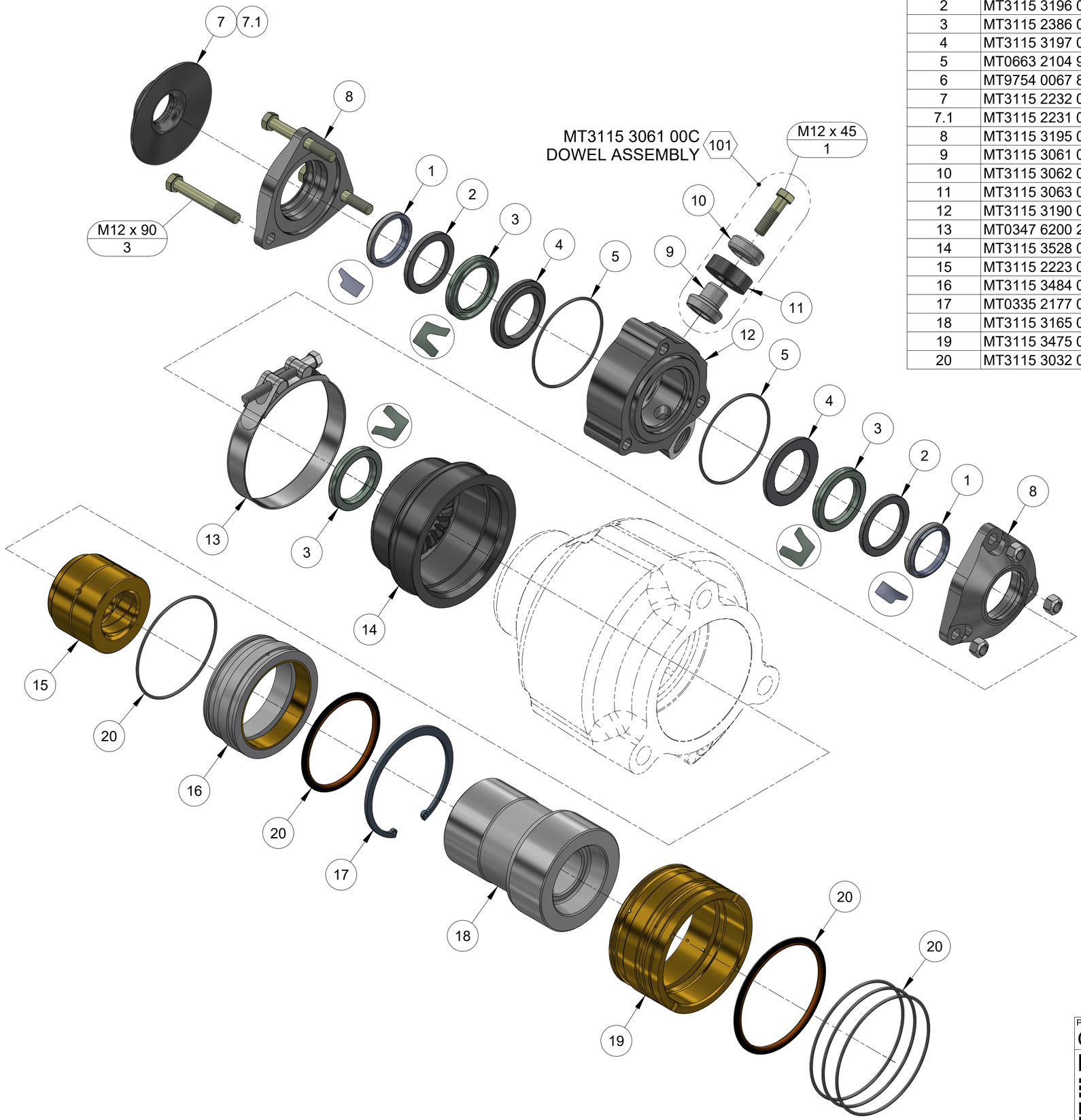
107 MT3115 3059 SK FLUSHING KIT 4050 MUX



PART NUMBER	DESCRIPTION
MT	FLUSHING SEAL KITS

MAINTENANCE TECHNIQUE

MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
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ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT3115 3236 00	WIPER	2	
2	MT3115 3196 02	GUIDE	2	
3	MT3115 2386 00	CUP SEAL	3	
4	MT3115 3197 02	GUIDE	2	
5	MT0663 2104 94	O-RING	2	
6	MT9754 0067 80	FLUSHING KIT		Includes items 1 - 5
7	MT3115 2232 00	DRILL COLLAR ST45	1	
7.1	MT3115 2231 00	DRILL COLLAR ST38	1	
8	MT3115 3195 01	COVER	2	
9	MT3115 3061 00	DOWEL PIN	1	
10	MT3115 3062 00	WASHER	1	
11	MT3115 3063 00	BUSHING	1	
12	MT3115 3190 00	FLUSHING HEAD	1	
13	MT0347 6200 21	HOSE CLAMP	1	
14	MT3115 3528 00	SEAL RETAINER	1	
15	MT3115 2223 02	GUIDE	1	
16	MT3115 3484 00	FRONT BUSH	1	
17	MT0335 2177 00	CIRCLIP	1	
18	MT3115 3165 00	PISTON	1	
19	MT3115 3475 00	REAR BUSH	1	
20	MT3115 3032 00SK	EXTRACTOR SEAL KIT	1	

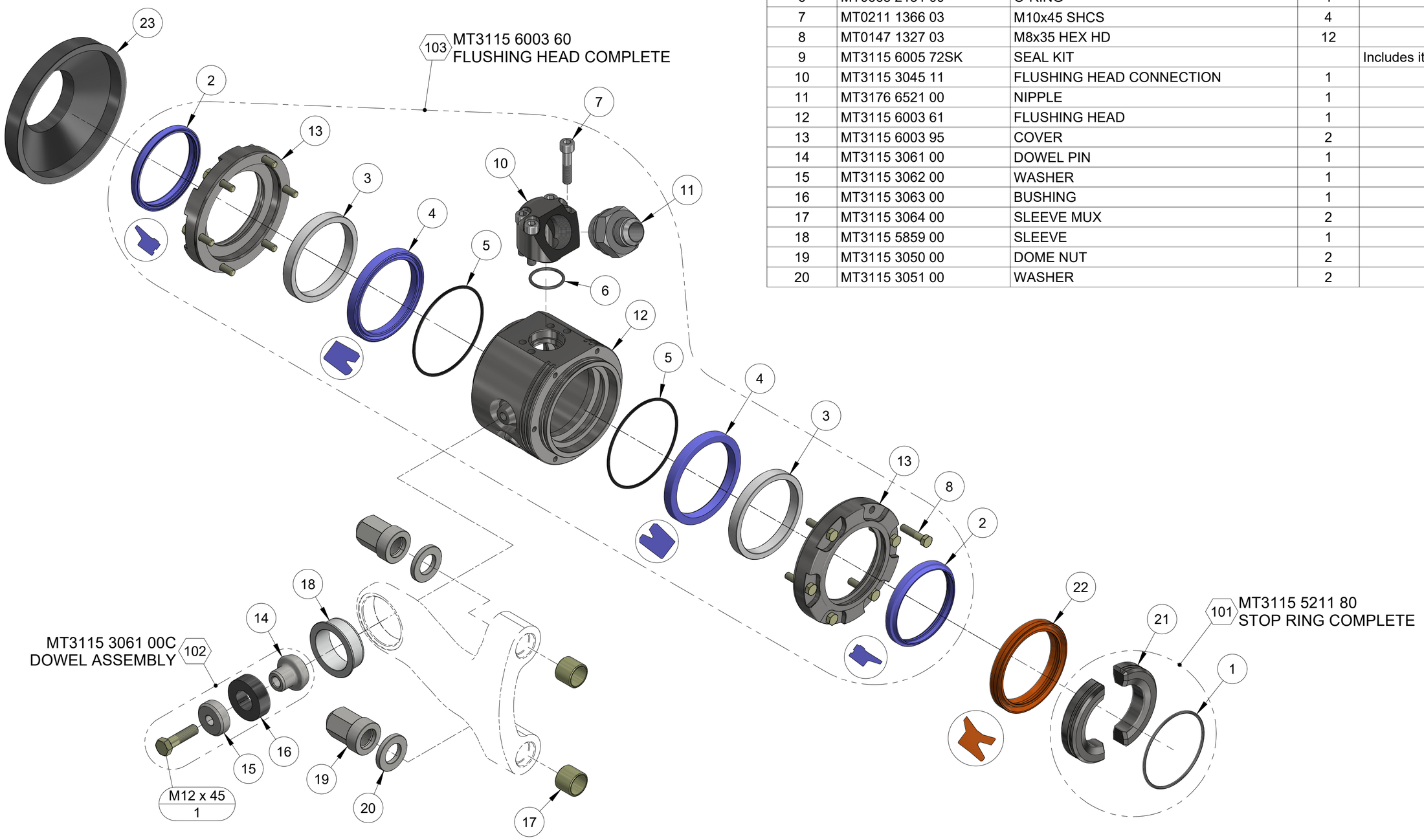
PART NUMBER
COP 1838MUX

DESCRIPTION
FRONT HEAD PARTS

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
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www.mtunderground.com

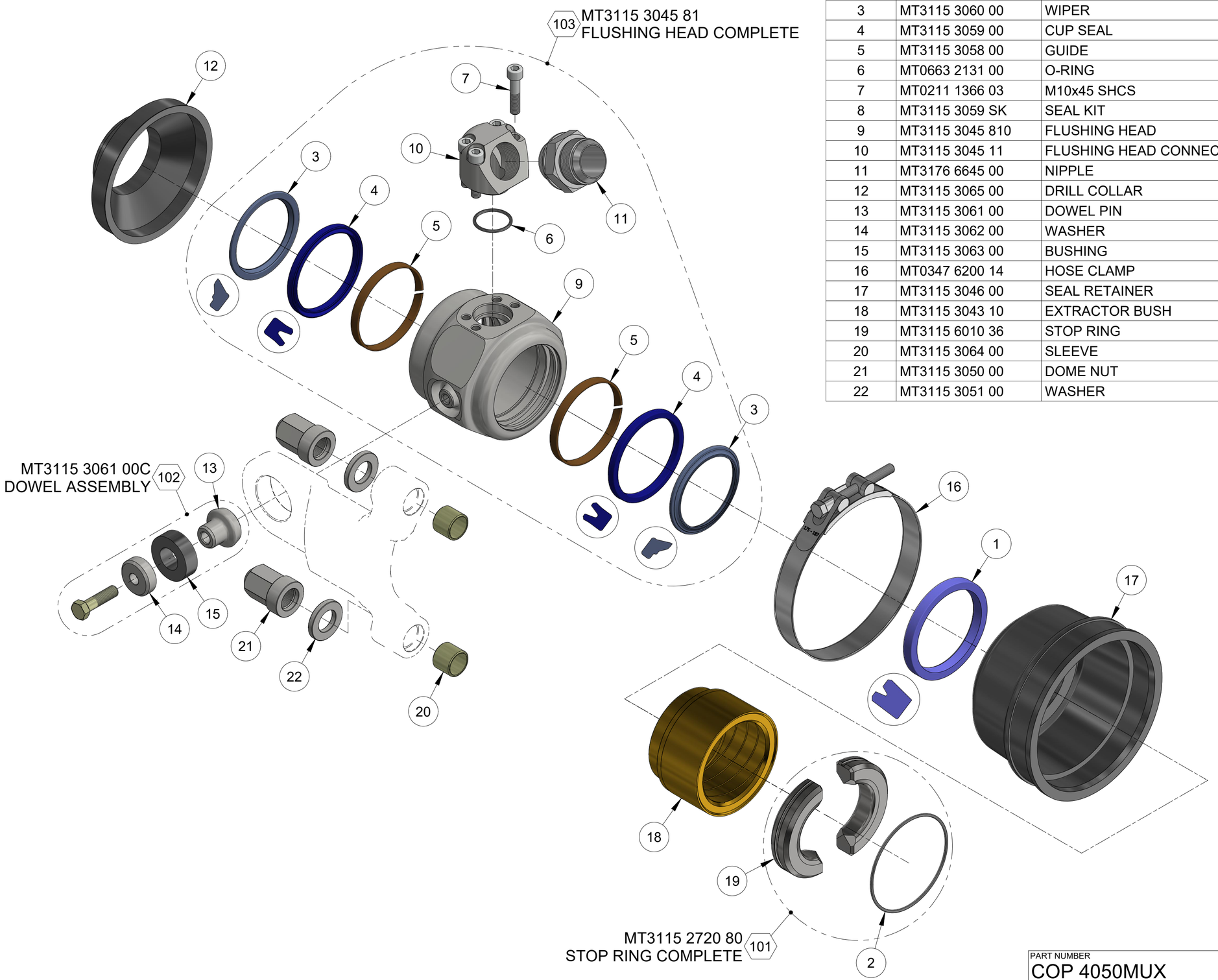
ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
21	MT3115 5211 00	STOP RING	1	
22	MT3115 5754 02	WIPER	1	
23	MT3115 3065 10	DRILL COLLAR	1	

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT0663 6142 00	O-RING	1	
2	MT3115 6005 27	WIPER	2	
3	MT3115 5730 00	GUIDE	2	
4	MT3115 3044 00	CUP SEAL	2	
5	MT0663 6145 00	O-RING	2	
6	MT0663 2131 00	O-RING	1	
7	MT0211 1366 03	M10x45 SHCS	4	
8	MT0147 1327 03	M8x35 HEX HD	12	
9	MT3115 6005 72SK	SEAL KIT		Includes items 1 - 8
10	MT3115 3045 11	FLUSHING HEAD CONNECTION	1	
11	MT3176 6521 00	NIPPLE	1	
12	MT3115 6003 61	FLUSHING HEAD	1	
13	MT3115 6003 95	COVER	2	
14	MT3115 3061 00	DOWEL PIN	1	
15	MT3115 3062 00	WASHER	1	
16	MT3115 3063 00	BUSHING	1	
17	MT3115 3064 00	SLEEVE MUX	2	
18	MT3115 5859 00	SLEEVE	1	
19	MT3115 3050 00	DOME NUT	2	
20	MT3115 3051 00	WASHER	2	



PART NUMBER	DESCRIPTION
COP 3060MUX	FRONT HEAD PARTS

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
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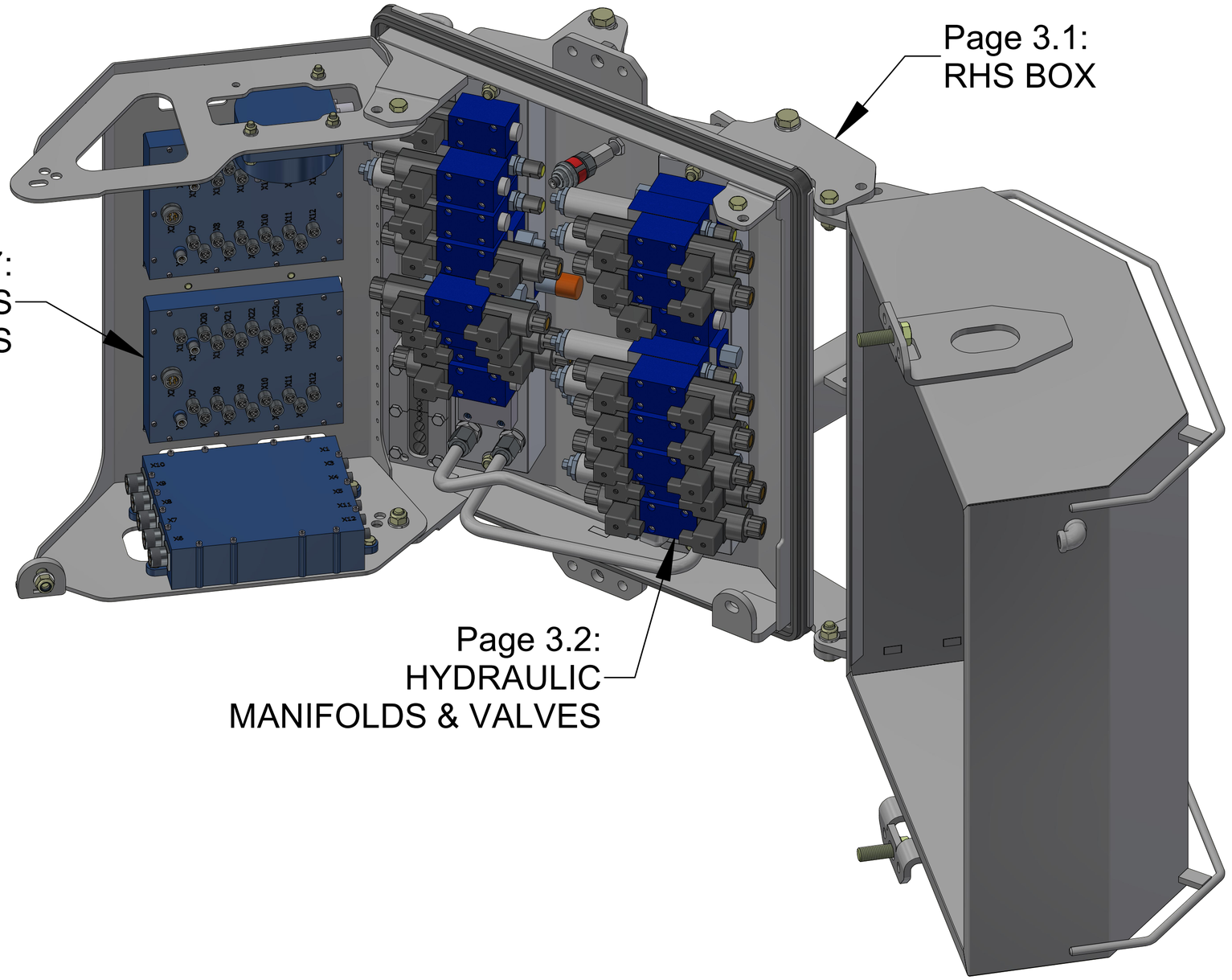


ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT3115 3044 00	CUP SEAL	1	
2	MT0663 2106 33	O-RING	1	
3	MT3115 3060 00	WIPER	2	
4	MT3115 3059 00	CUP SEAL	2	
5	MT3115 3058 00	GUIDE	2	
6	MT0663 2131 00	O-RING	1	
7	MT0211 1366 03	M10x45 SHCS	4	
8	MT3115 3059 SK	SEAL KIT		Includes items 1 - 7
9	MT3115 3045 810	FLUSHING HEAD	1	
10	MT3115 3045 11	FLUSHING HEAD CONNECTION	1	
11	MT3176 6645 00	NIPPLE	1	
12	MT3115 3065 00	DRILL COLLAR	1	
13	MT3115 3061 00	DOWEL PIN	1	
14	MT3115 3062 00	WASHER	1	
15	MT3115 3063 00	BUSHING	1	
16	MT0347 6200 14	HOSE CLAMP	1	
17	MT3115 3046 00	SEAL RETAINER	1	
18	MT3115 3043 10	EXTRACTOR BUSH	1	
19	MT3115 6010 36	STOP RING	1	
20	MT3115 3064 00	SLEEVE	2	
21	MT3115 3050 00	DOME NUT	2	
22	MT3115 3051 00	WASHER	2	

PART NUMBER
COP 4050MUX

DESCRIPTION
FRONT HEAD PARTS

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
parts@mtunderground.com
www.mtunderground.com



Page 3.1:
RHS BOX

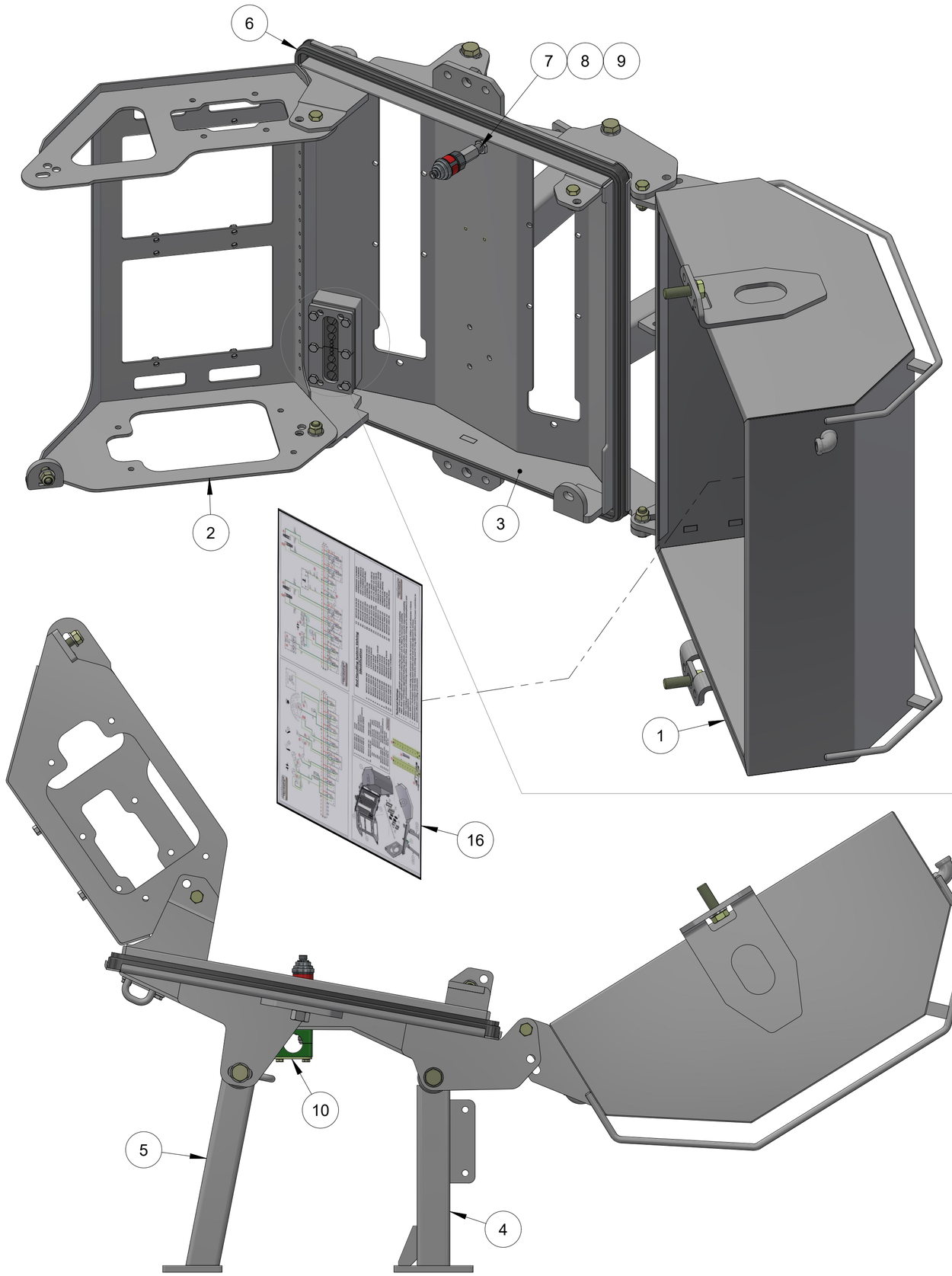
Page 3.3 - 3.7:
ELECTRICAL COMPONENTS
& CABLES

Page 3.2:
HYDRAULIC
MANIFOLDS & VALVES

PART NUMBER	DESCRIPTION
	ROD HANDLER SYSTEM

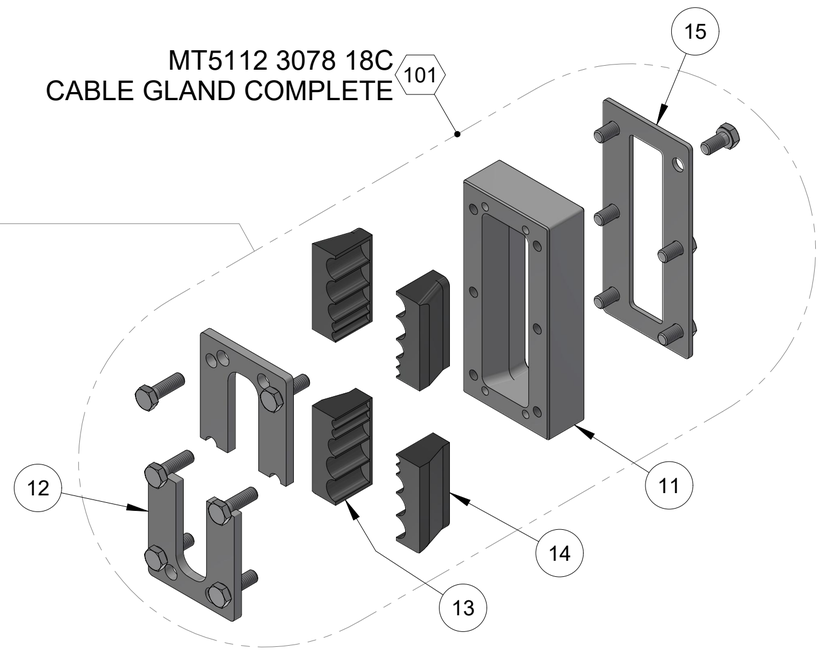
MAINTENANCE TECHNIQUE

MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
parts@mtunderground.com
www.mtunderground.com



ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT9111 4095 713	HOOD	1	
2	MT9111 4088 203	PLATE	1	
3	MT9111 4088 003	BOTTOM PLATE	1	
4	MT9111 4088 072	BRACKET RHS27	1	MT box only
5	MT9111 4088 142	BRACKET ANGLED RHS27	1	MT box only
6	MT9111 4088 303	SEALING RUBBER	1	
7	MT9106 2192 01	PRESSURE TRANSDUCER RCS4	0	350 bar - OEM only
8	MTJIM JBM 0909	JIC x JIC Bulkhead	0	
9	MT0570 5191 05	TEST CONNECTION ADAPTOR	0	
10	MT9111 4088 30C	CLAMP 30mm COMPLETE	1	
11	MT5112 3078 GB	BASE	1	
12	MT5112 3078 CP1	CLAMP PLATE	2	
13	MT5112 3078 RB3	RUBBER BLOCK	2	
14	MT5112 3078 RB4	RUBBER BLOCK-OH	2	
15	MT5112 3078 CP2	CLAMP PLATE-OUTER	1	
16	MT9111 4095 71LS	RHS BOX HOOD LABEL SHEET	1	Affixed to inside of hood

MT5112 3078 18C
CABLE GLAND COMPLETE 101



100

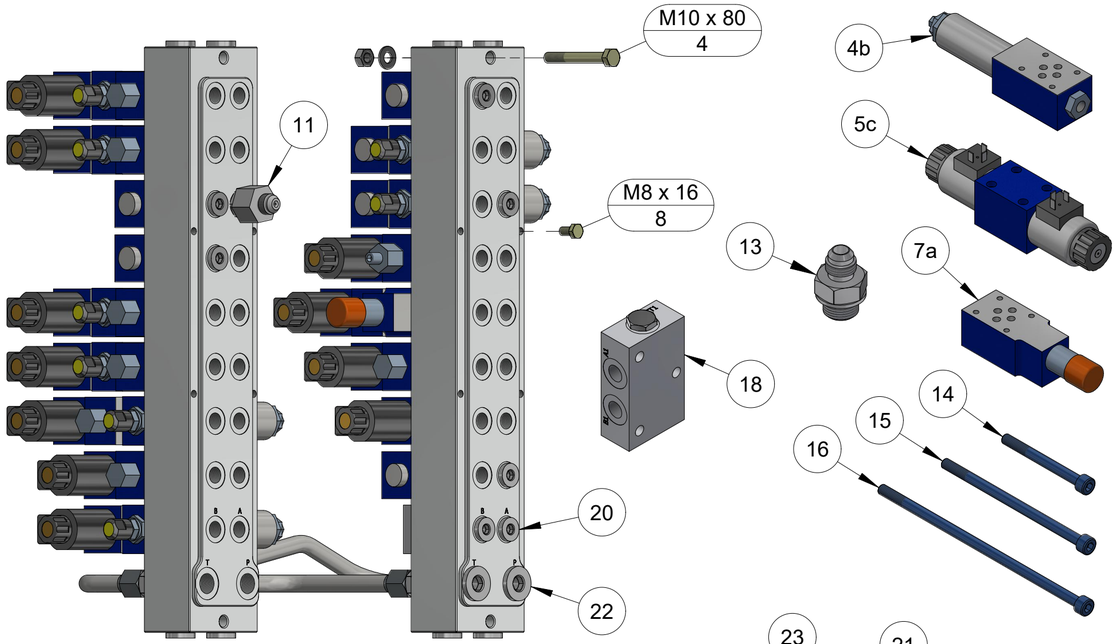
PART NUMBER
MT9111 4088 L6

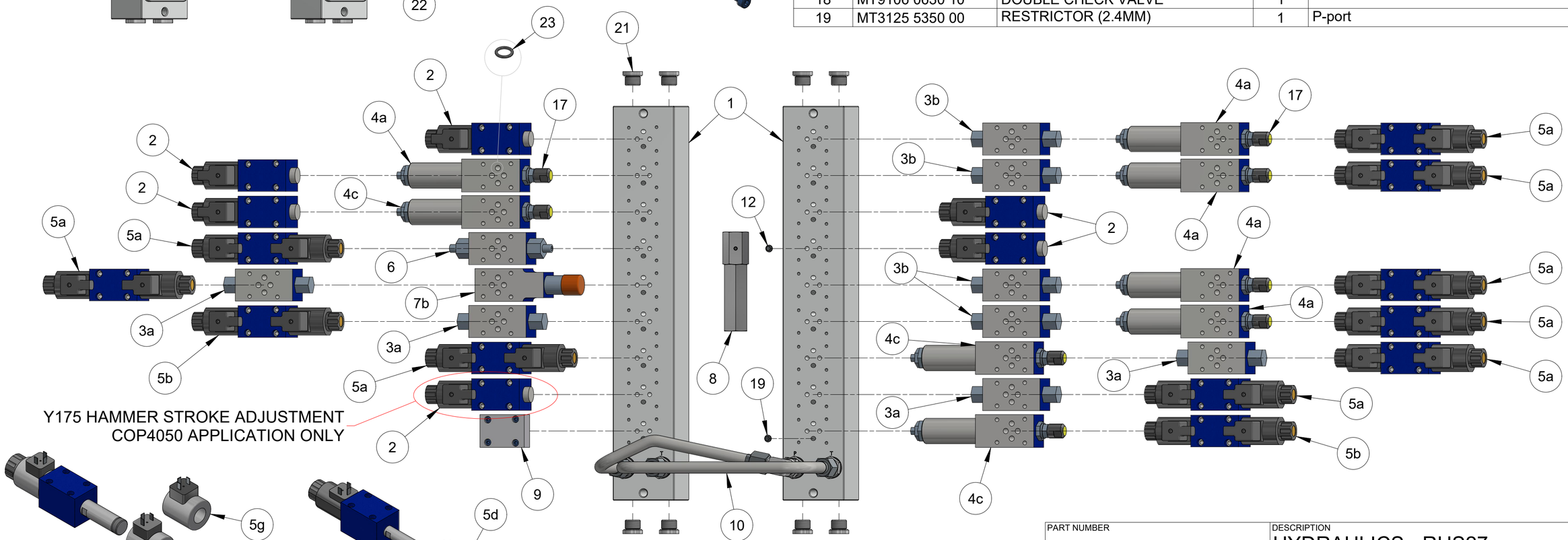
DESCRIPTION
ROD HANDLER SYSTEM BOX - RHS27

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
parts@mtunderground.com
www.mtunderground.com

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
20	MT4BN-6WD	3/8" BSP ALLEN PLUG	7	
21	MT4BN-8WD	1/2" BSP ALLEN PLUG	8	
22	MT4BN-12WD	3/4" BSP ALLEN PLUG	2	
23	MT5507 8719 00	O-RING	144	DCV O-Ring

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT9111 4088 25SS	VALVE BLOCK	2	Stainless Steel
2	MT3177 3092 88	2 POSITION VALVE	6	Rod Handler etc. (24Ω Coil)
3a	MT3222 3268 96	CHECK VALVE	4	
3b	MT3217 9075 00	STINGER CHECK VALVE	4	
4a	MT3217 9341 60	REDUCER VALVE	5	A-Port reducer
4b	MT3217 9341 40	REDUCER VALVE		B-Port
4c	MT3214 8712 80	REDUCER VALVE	3	P-Port
5a	MT3177 3092 83	3 POSITION VALVE	9	Non-proportional movements (24Ω Coil)
5b	MT3177 3092 60	3 POSITION VALVE	2	Proportional 3 pos. DCV (5Ω Coil)
5c	MT3177 3092 80	3 POSITION VALVE		Closed centre (24Ω Coil)
5d	MT3177 3092 55	24Ω DIRECT COIL	1	16mm shaft ID
5e	MT3177 3092 64	5Ω PROPORTIONAL COIL	1	23mm shaft ID - suit MT supplied HD valves only
5f	MT3177 3092 52	20Ω DIRECT COIL		23mm shaft ID - suit MT supplied HD valves only
5g	MT3177 3092 24WF	PROPORTIONAL COIL WUNDFLAH		23mm shaft ID - suit MT supplied HD valves only
6	MT3217 9773 00	FLOW CONTROL VALVE	1	Dual direction C-top
7a	MT3217 9082 07	RELIEF VALVE		A-Port relief
7b	MT9106 0652 00	RELIEF VALVE	1	B-Port relief
8	MT3125 2794 03	PRESSURE RELIEF VALVE	1	BSH Guide check/relief
9	MT3177 3092 BP	BLANKING PLATE	1	Includes O-Rings & M5x25 SHCS
10	MT9111 4088 PS	PIPE SET	1	For Manifold (pressure + tank pipe)
11	MT3214 7494 03	REDUCTION NIPPLE	1	Extractor restrictor
12	MT3217 2682 00	PLUG	1	P port plug
13	MT9111 4088 FK	FITTINGS KIT		Complete JIC/BSP adaptors for both manifolds
14	MT0211 1215 03	M5x50 SHCS	20	Single stack
15	MT4090 0630 00	M5x90 SHCS	24	Twin stack
16	MT0211 1965 58	M5x130 SHCS	24	Three stack
17	MT3177 3016 00	COUPLING	8	Stauff test point, test 12 to 1/4BSPP
18	MT9106 0630 10	DOUBLE CHECK VALVE	1	
19	MT3125 5350 00	RESTRICTOR (2.4MM)	1	P-port



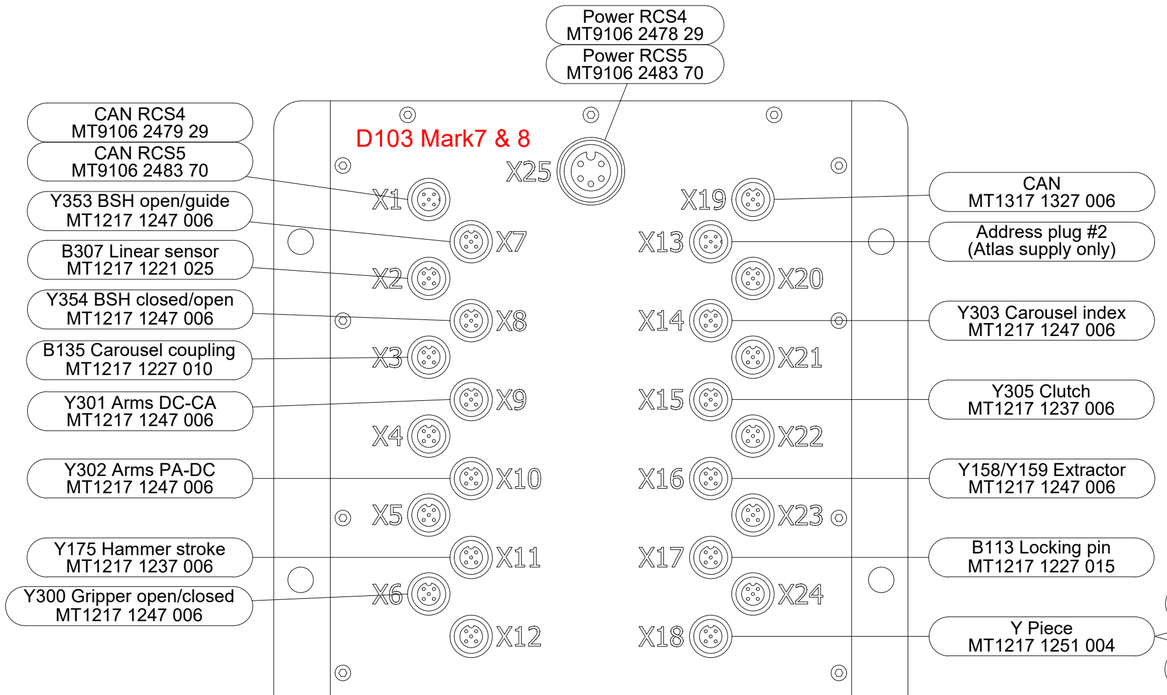


PART NUMBER

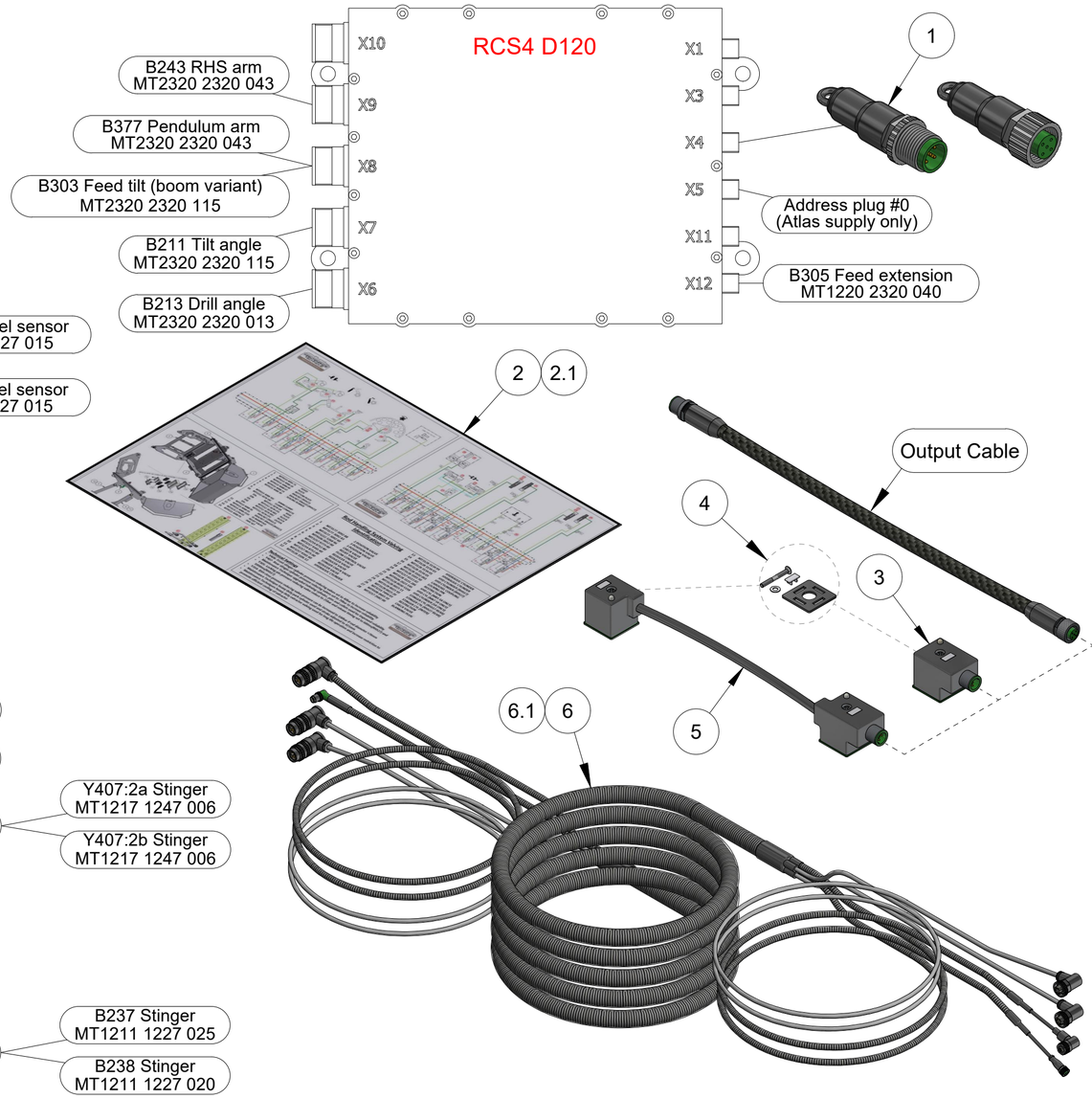
DESCRIPTION
HYDRAULICS - RHS27

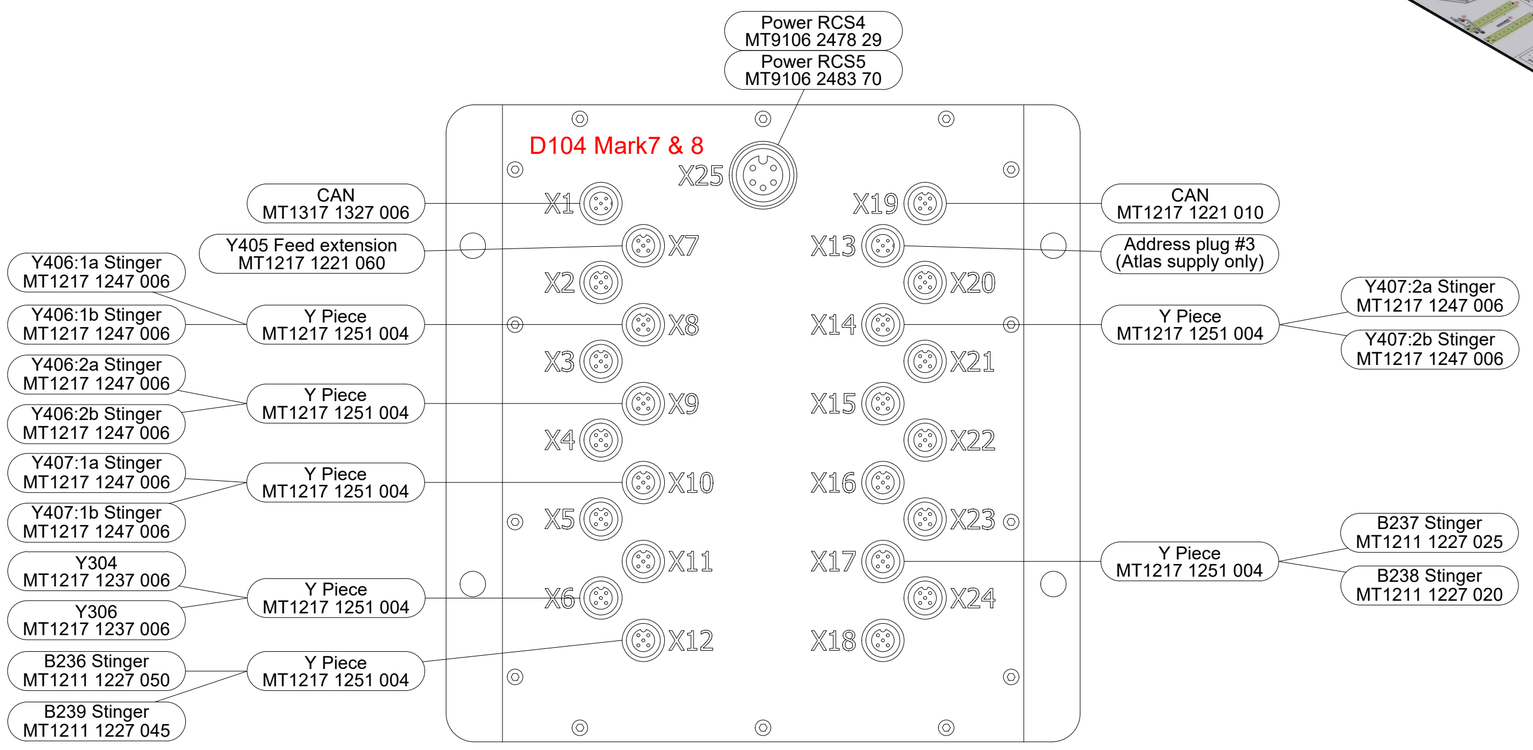
MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
parts@mtunderground.com
www.mtunderground.com

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT1212 0000 ME	END OF LINE RESISTOR - MALE		
2	MT9111 4095 71LS	RHS BOX HOOD LABEL SHEET		D series
2.1	MT9111 4095 71ES	RHS BOX HOOD LABEL SHEET		E series
3	MT9106 1458 538	M12 SINGLE DIN PLUG ADAPTOR		
4	MT9106 1458 5DA	DIN PLUG ACCESSORY KIT		
5	MT9106 1458 156	M12 DOUBLE DIN ADAPTOR		
6	MT9106 2478 29	MAIN CAN CABLE		RCS4
6.1	MT9106 2483 70	MAIN CAN CABLE		RCS5
7	MT1013 04RC S4	LABELLING KIT D103 - D104		Not shown



RHS27 Simba layout shown refer page 3.5 for variants





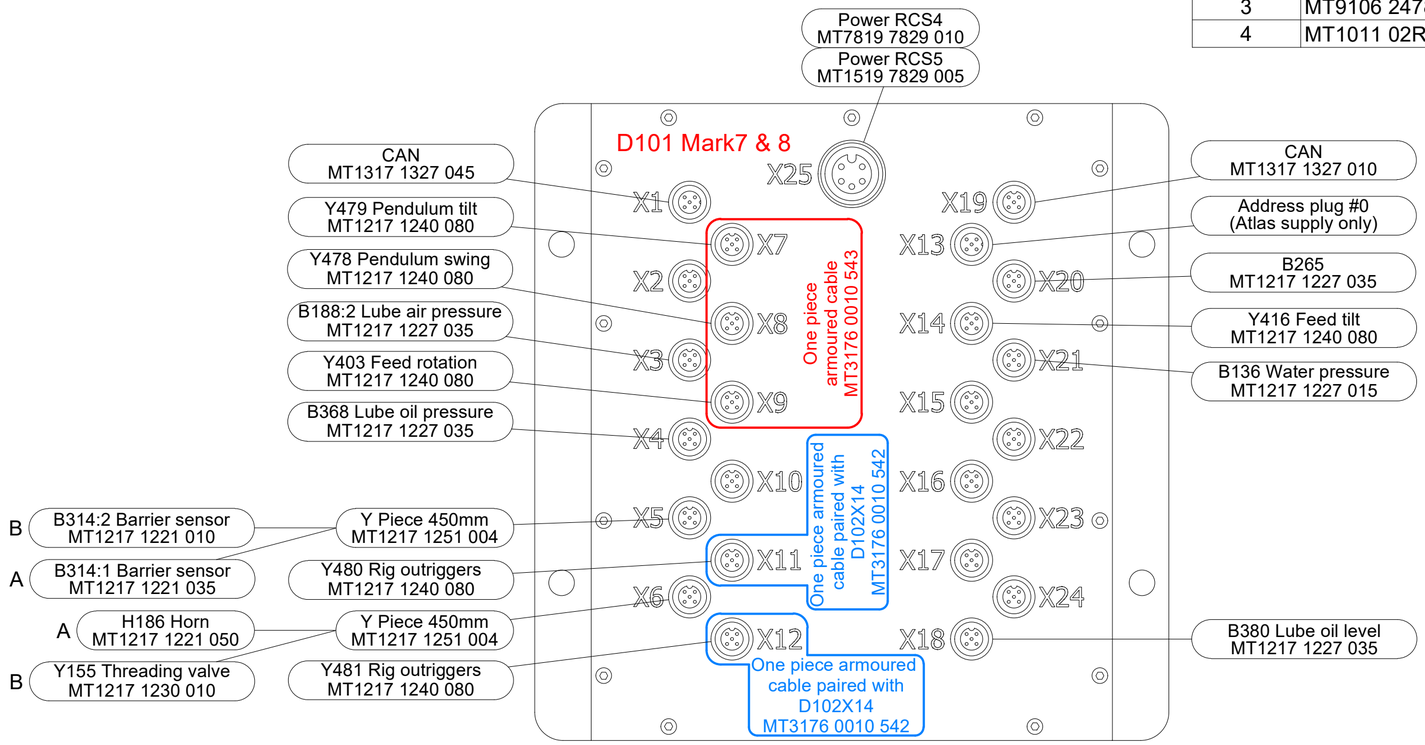
RHS27 Simba layout shown refer page 3.5 for variants

PART NUMBER

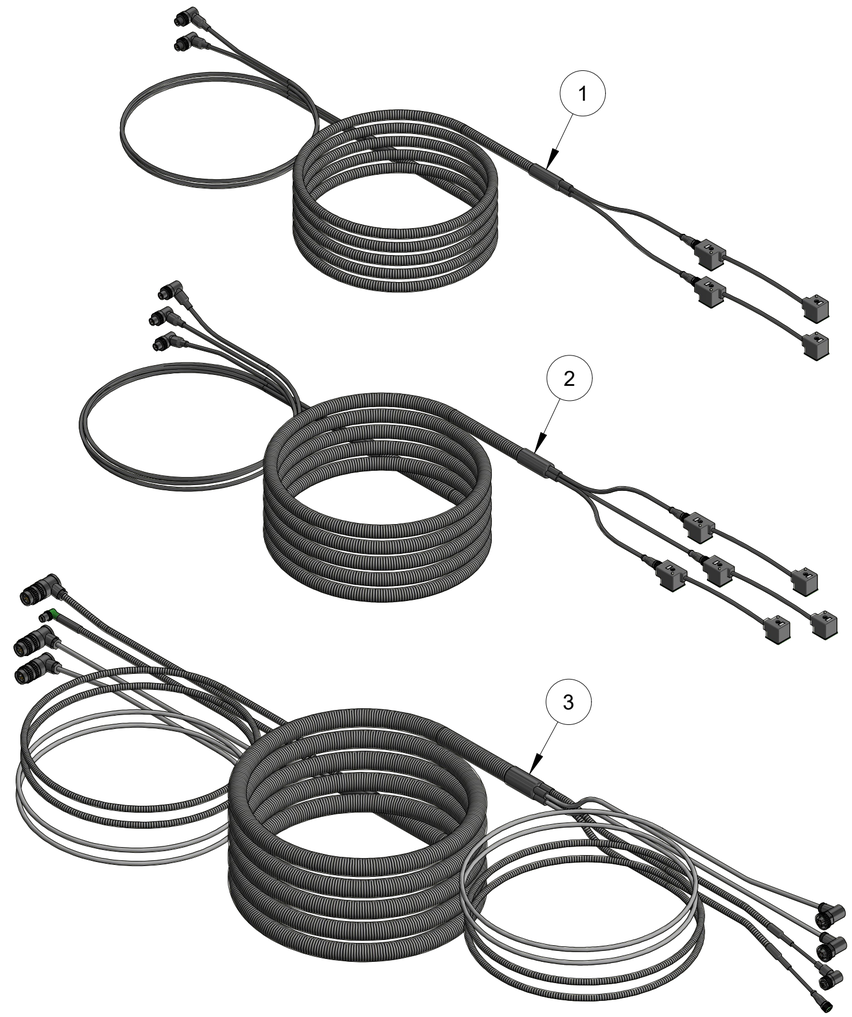
DESCRIPTION
RCS4/RCS5 I/O CONNECTIONS

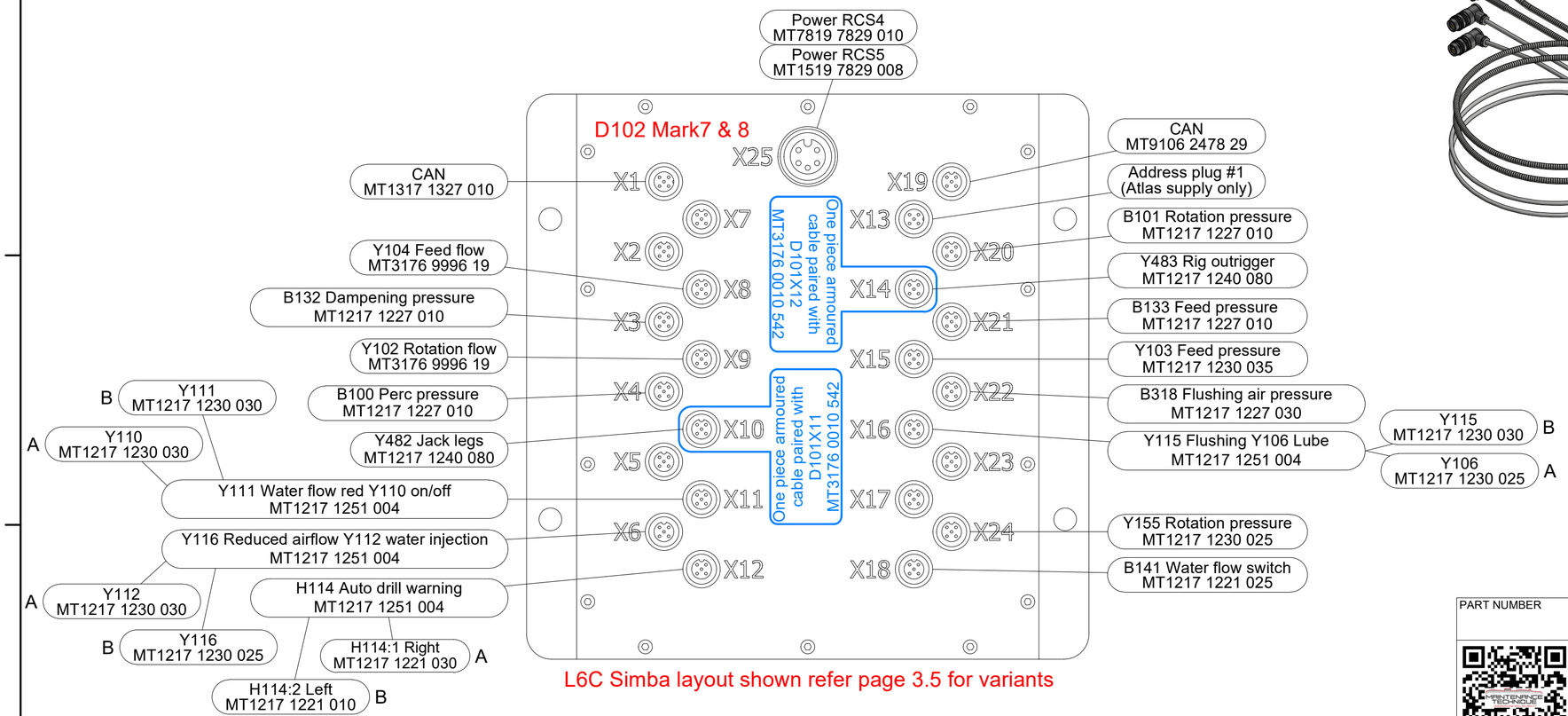
MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
parts@mtunderground.com
www.mtunderground.com

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT3176 0010 542	DOUBLE OUTPUT HARNESS		
2	MT3176 0010 543	TRIPLE OUTPUT HARNESS		
3	MT9106 2478 29	MAIN CAN CABLE		
4	MT1011 02RC S4	LABELLING KIT D101 - D102		Not shown



L6C Simba layout shown refer page 3.5 for variants





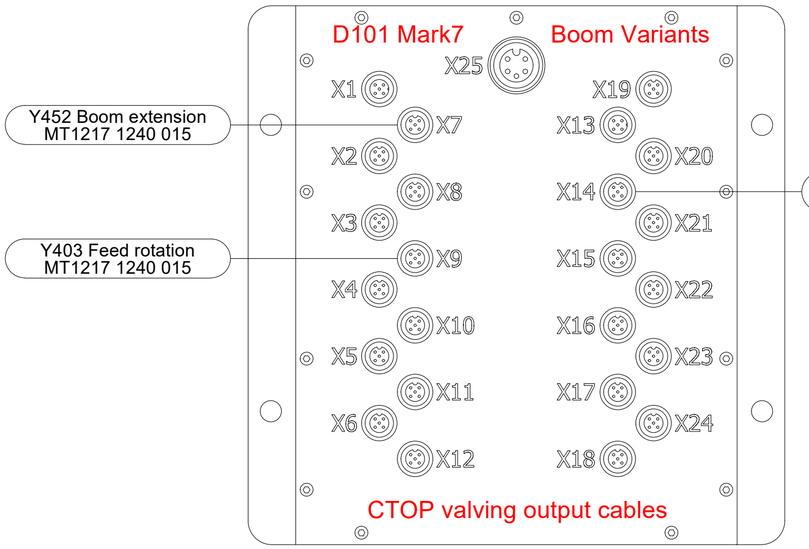
L6C Simba layout shown refer page 3.5 for variants

PART NUMBER

DESCRIPTION
RCS4/RCS5 I/O CONNECTIONS

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
parts@mtunderground.com
www.mtunderground.com

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT3176 9996 19	FEED ROTATION CABLE		
2	MT9111 4095 71ES	RHS BOX HOOD LABEL SHEET - E SERIES		



Y452 Boom extension MT1217 1240 015

Y403 Feed rotation MT1217 1240 015

Y452A Boom extension

Y452B Boom extension

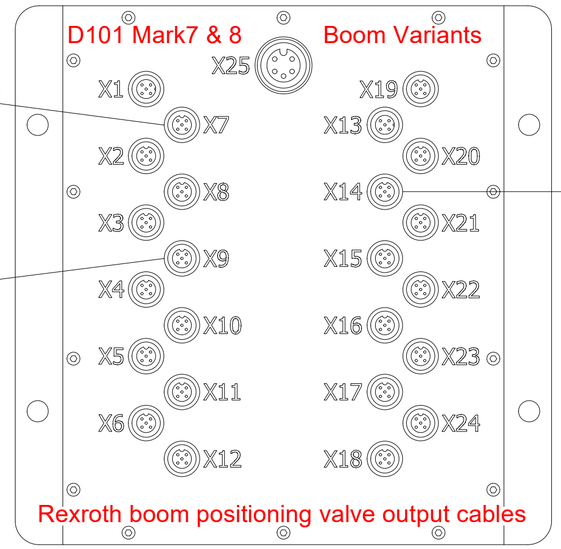
JNR Timer split MT1217 1421 012

Y416 Feed tilt MT1217 1240 015

Y403A Turning device

Y403B Turning device

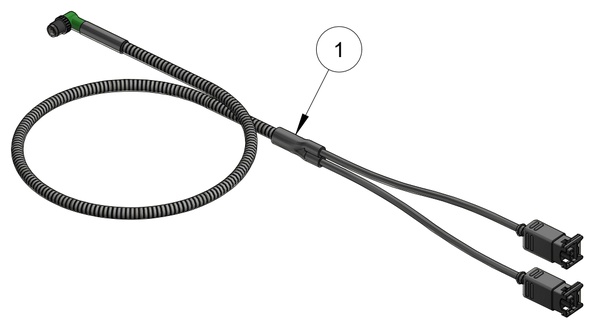
JNR Timer split MT1217 1421 012

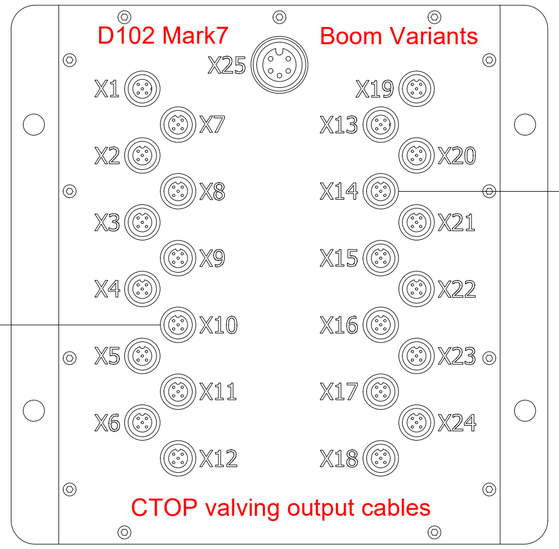


JNR Timer split MT1217 1421 012

Y416A Feed Tilt

Y416B Feed tilt





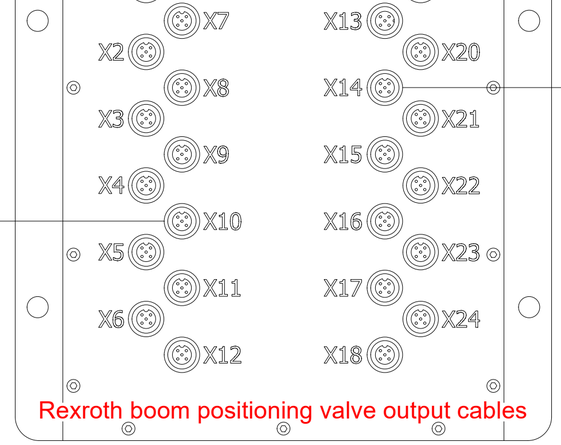
Y456 Boom cylinder right MT1217 1240 015

Y455 Boom cylinder left MT1217 1240 015

Y455A Boom cylinder left

Y455B Boom cylinder left

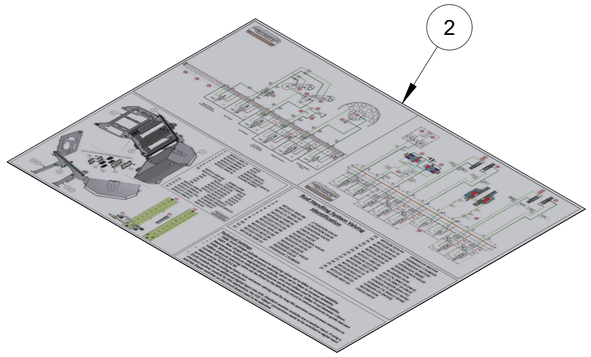
JNR Timer split MT1217 1421 012

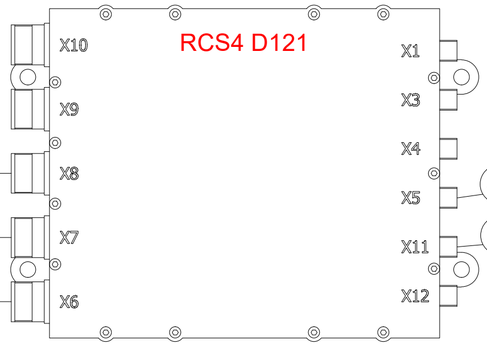


JNR Timer split MT1217 1421 012

Y456A Boom cylinder right

Y456B Boom cylinder right





B211 Boom lift resolver MT2320 2320 090

B301 Boom lift inclinometer MT2320 2320 022

B300 Boom swing MT2320 2320 022

Address plug #2

B306 Boom extension MT1220 2320 040

PART NUMBER

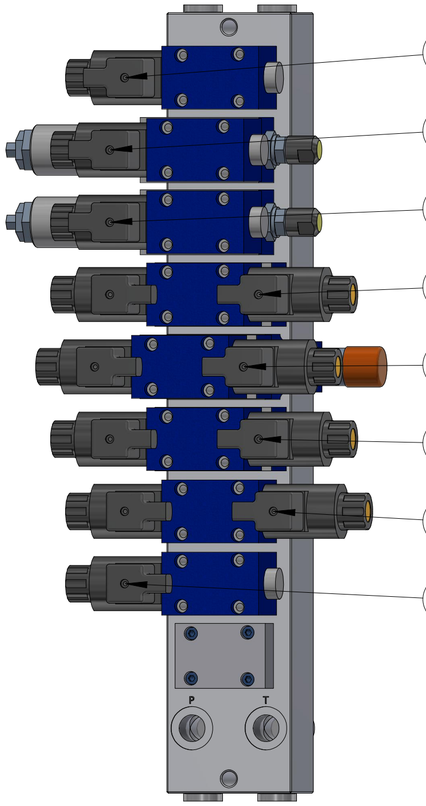
DESCRIPTION

E7/M7 BOOM VARIATIONS RCS4/RCS5 I/O CONNECTIONS

MAINTENANCE TECHNIQUE

MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
parts@mtunderground.com
www.mtunderground.com

RCS3
outputs



9 Cable - Y175 Piston Stroke D103X20

9 Cable - Y305 Locking Pin D103X4

9 Cable - Y304 Carousel Coupling D104X2

4 Cable - Y303 Carousel Index D103X23

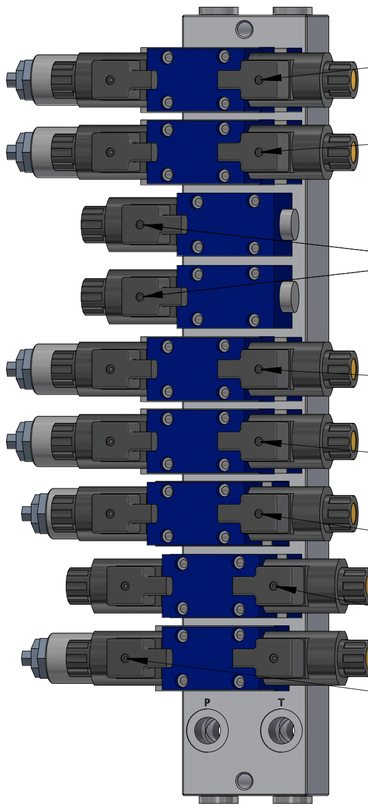
4 Cable - Y302 Park Cylinder D103X21

4 Cable - Y301 Swing Cylinder D103X19

4 Cable - Y300 Rod Jaws open/closed D103X2

9 Cable - Y306 Rod Jaws Guide D104X20

TOP MANIFOLD



1 Cable - Y406 Front Stinger D104X3

1 Cable - Y407 Bottom Stinger D104X23

Y159 Extractor Inlet D103X5

1 Cable

Y158 Extractor Outlet D103X5

1 Cable - Y406 Front Stinger D104X19

1 Cable - Y407 Rear Stinger D104X21

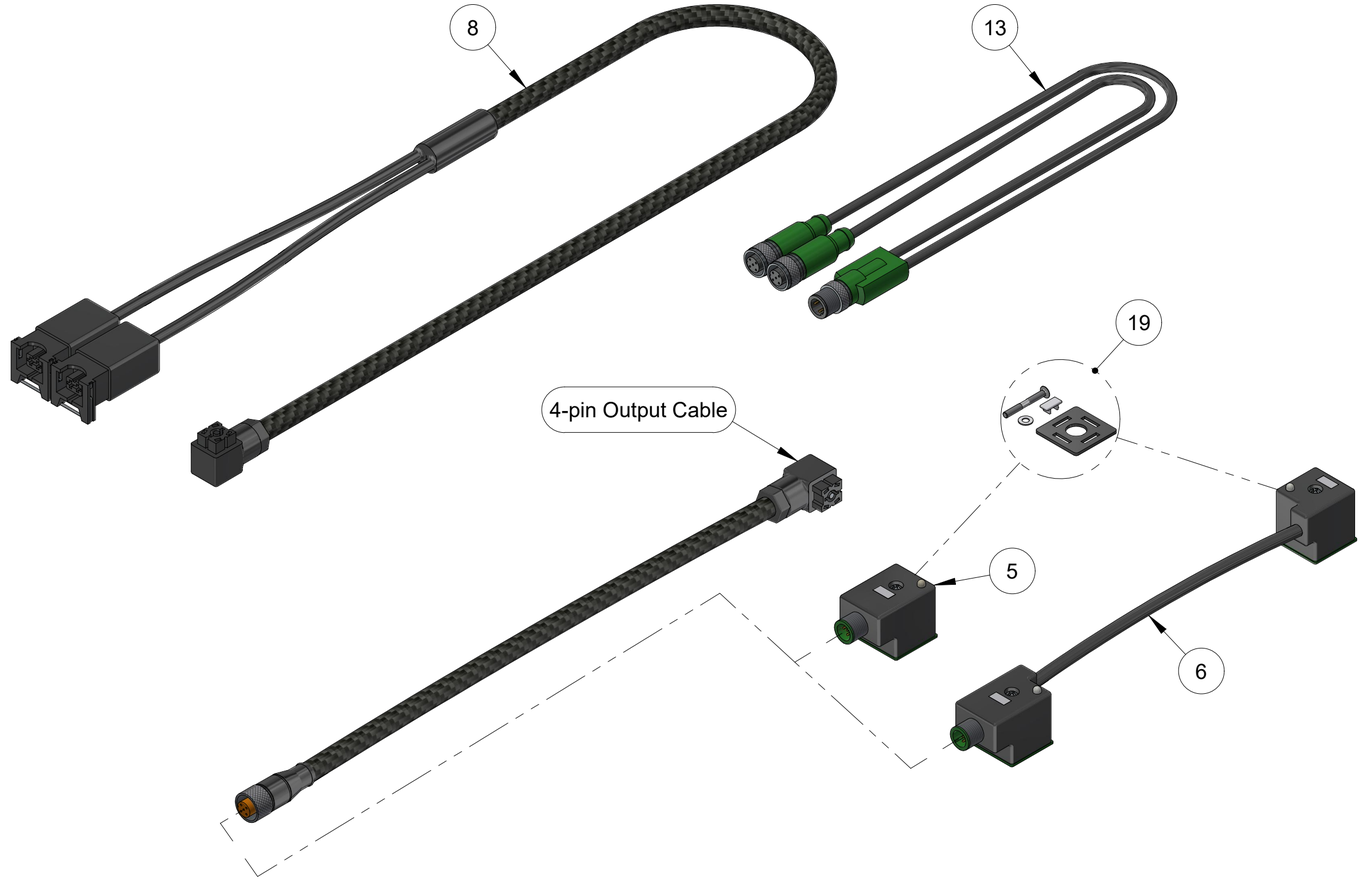
1 Cable - Y354 BSH Open/Guide D103X3

1 Cable - Y353 BSH Open/Closed D103X1

1 Cable - Y405 Feed Extension D104X1

BOTTOM MANIFOLD

ITEM	PART NUMBER	DESCRIPTION	QTY
1	MT9110 9984 42	1.3m output cable, DCV twin plug	
2	MT9106 1324 03	3m output cable, DCV twin split plug	
3	MT9106 1324 03Y	1.4m output cable DCV twin split (1m, 0.4m Y-piece)	
4	MT9106 1324 86	1m output cable DCV twin plug	
5	MT9106 1458 538	M12 single DIN plug adaptor	
6	MT9106 1458 156	M12 double DIN adaptor	
7	MT9106 1725 32	8m output cable, DCV twin plug	
8	MT9106 0956 06	output cable, feed and rotation	
9	MT9106 0957 04	0.8m output cable, DCV single plug	
10	MT9106 1324 64	1.3m output cable, DCV single plug	
11	MT9106 0957 02	5m output cable, DCV single plug	
12	MT9106 1677 39	1.2m pressure transducer cable	
13	MT3176 0009 85	M12 Y-piece	
14	MT9106 0957 048	0.8m output cable only	
15	MT9106 1324 861	1m output cable only	
16	MT9106 1324 643	1.3m output cable only	
17	MT9106 1324 033	3m output cable only	
18	MT9106 0957 025	5m output cable only	
19	MT9106 1458 5DA	DIN plug accessory kit	

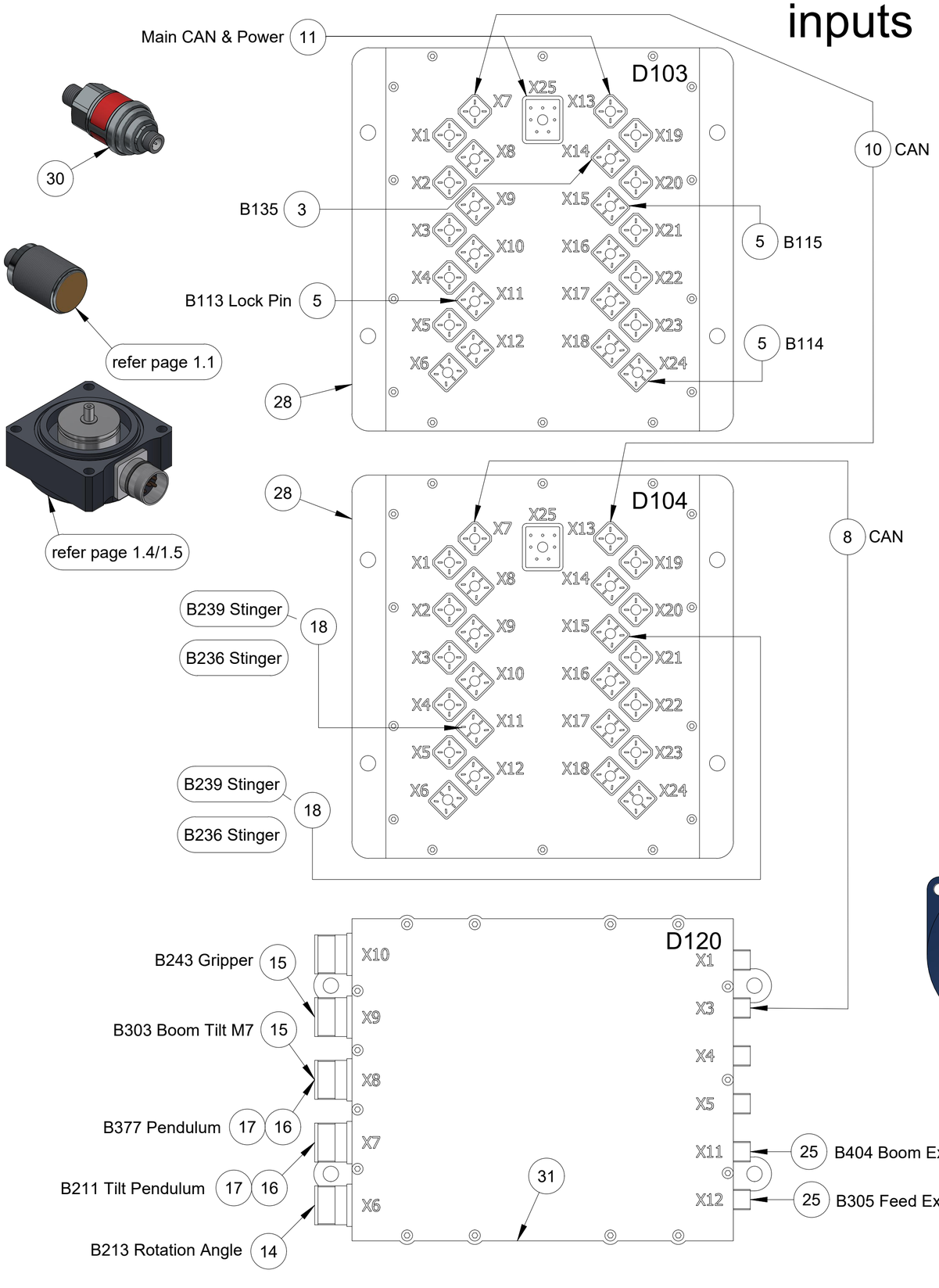


PART NUMBER

DESCRIPTION
ELECTRICAL COMPONANTS - RCS3

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
parts@mtunderground.com
www.mtunderground.com

RCS3 inputs

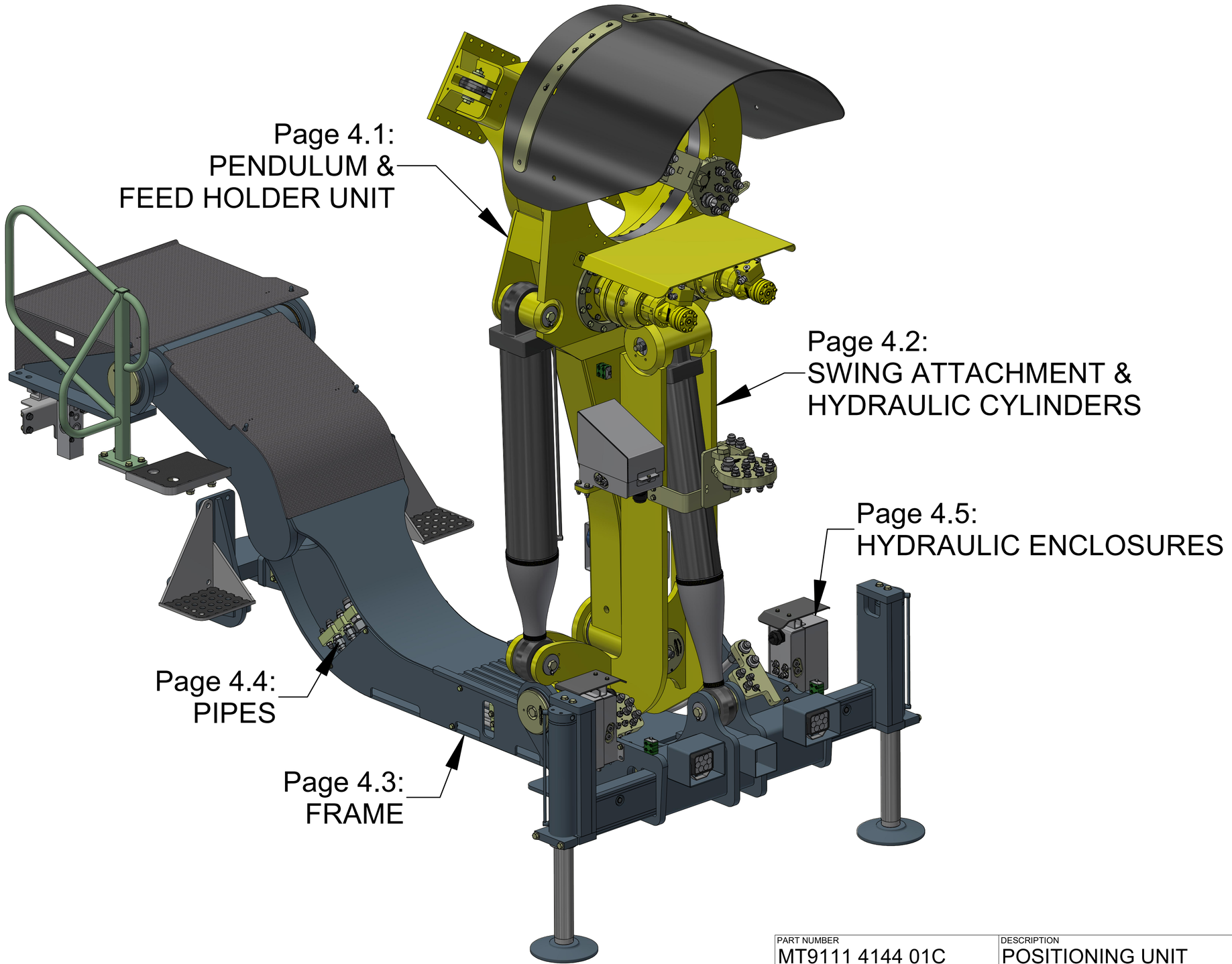


ITEM	PART NUMBER	DESCRIPTION	QTY
1	MT3176 0009 85	0.4m 5-pin M12 Y-piece, dual inputs/outputs	
2			
3	MT9106 1677 39	1.2m pressure transducer cable	
4	MT9106 1677 44	3.6m pressure transducer cable	
5	MT9106 1593 91	1.6m proxy - flow sensor cable	
6	MT9106 1548 59	3.6m proxy - flow sensor cable	
7	MT9106 1629 04	2m CAN-bus cable M12 female ends	
8	MT9106 1629 13	0.6m CAN-bus cable M12 female to I/O plug	
9	MT9106 1629 01	10m CAN-bus cable	
10	MT9106 1593 72	0.5m CAN cable I/O plugs	
11	MT9106 1622 79	17m CAN-bus & power, main cable boom	
12	MT9106 1629 08	1.6m power cable D100	
13	MT9106 1324 53	1.4m power cable I/O module	
14	MT9106 1725 69	1.3m ARI rotation armoured sensor cable	
15	MT9106 1426 64	4.3m gripper arm armoured sensor cable	
16	MT9106 1593 32	11m ARI resolver armoured sensor cable, for L6	
17	MT9106 1593 322	11m ARI resolver armoured sensor cable, (PMA covered as a pair for L6)	
18	MT9106 1548 052	5m stinger input cable - pair	
19			
20			
21	MT3217 9882 16	2m free end to moulded M12 5-pin plug	
22	MT9106 1475 07	5m free end to moulded M12 5-pin plug	
23	MT3217 9882 18	5m free end to moulded M12 5-pin plug	
24	MT3217 9882 05	5m free end to DIN plug - moulded with LED	
25	MT9106 1725 34	wire length sensor cable	
26			
27	MT9106 2192 04	INCLINOMETER	
28	9106 1933 50	I/O-MODULE RCS3 - OEM only	
29	9106 1856 06	PRESSURE TRANSDUCER RCS3 (50bar) - OEM only	
30	9106 1856 07	PRESSURE TRANSDUCER RCS3 (350bar) - OEM only	
31	9106 1933 90	RESOLVER MODULE RCS3 - OEM only	

PART NUMBER

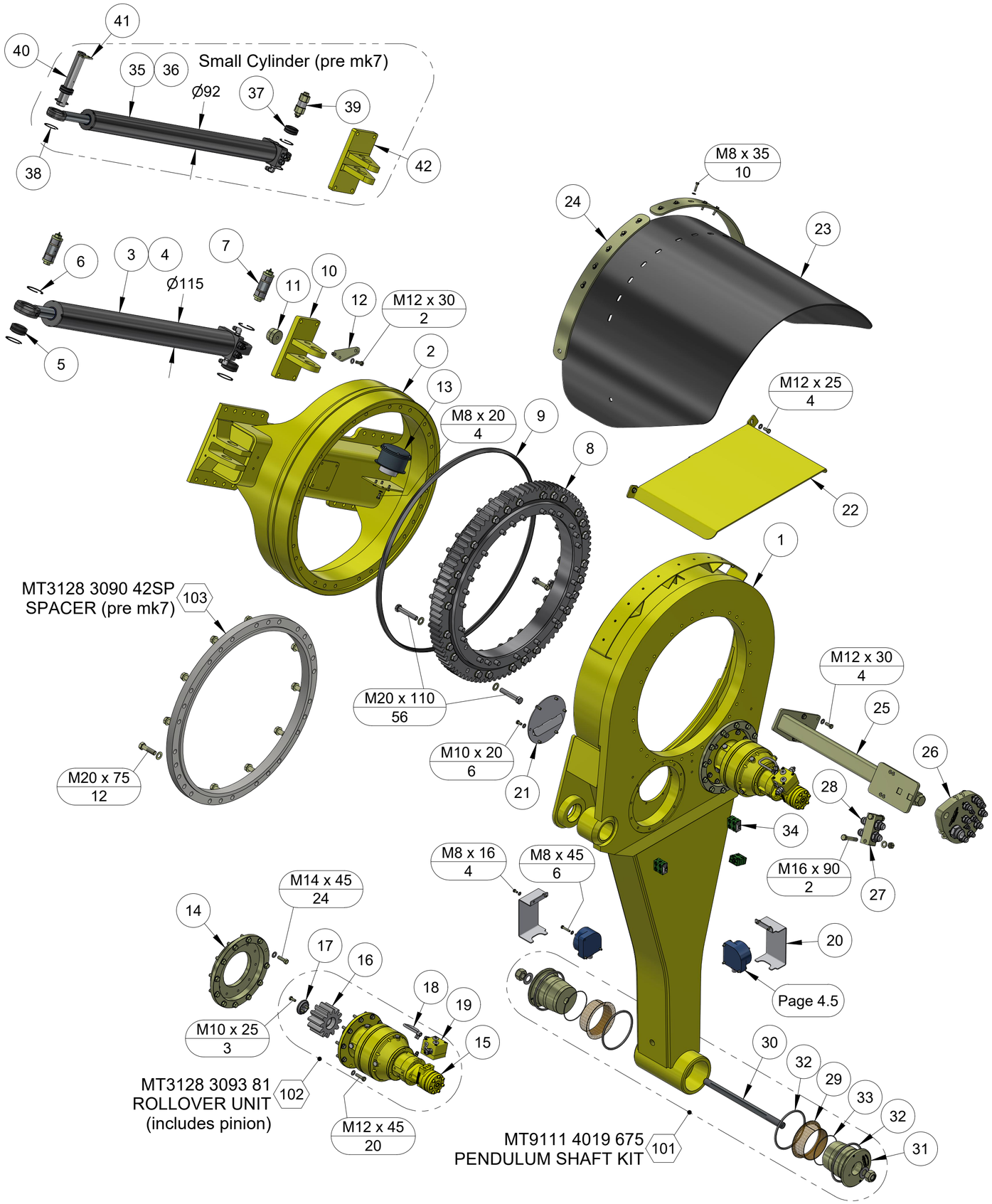
DESCRIPTION
INPUT CABLES - RCS3

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
parts@mtunderground.com
www.mtunderground.com



PART NUMBER	DESCRIPTION
MT9111 4144 01C	POSITIONING UNIT

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
parts@mtunderground.com
www.mtunderground.com



ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT9106 2021 70S	PENDULUM	1	Service ex.
2	MT9106 2021 63S	FEED HOLDER	1	Service ex.
3	MT9106 2023 14S	HYDRAULIC CYLINDER	1	Service ex.
4	MT9120 0993 11	SEAL KIT	0	
5	MT0501 0000 08	SPHERICAL BEARING	2	
6	MT0335 2158 00	CIRCLIP	4	
7	MT9106 2023 13	EXPANDING SHAFT	2	
8	MT3128 3090 42	SLEWING RING	1	
9	MT3128 0016 71	V-RING	1	
10	MT3128 0032 28	CYLINDER BRACKET	1	
11	MT3115 0711 00	DRIVER	1	
12	MT9111 4115 37	FEED DUMP CABLE PLATE	1	
13	MT9106 2192 16S	LINEAR SENSOR	1	Service ex.
14	MT3128 3087 17	ECCENTER	2	
15	MT3128 3093 78	MOTOR	2	
16	MT3128 3098 79	PINION	2	
17	MT3128 3093 80	PINION RETAINER	1	Includes bolts
18	MT3128 3093 76P	ROLL OVER PIPE	2	
19	MT3128 3095 11	VALVE BLOCK	2	
20	MT9106 2192 04P	INCLINOMETER COVER	2	
21	MT9111 4017 70	COVER	1	
22	MT9111 4062 29	PROTECTION	1	
23	MT9106 2021 PM	PROTECTION ARCH	1	
24	MT9106 2021 AM	ARCH MOUNT	2	
25	MT3128 3146 451	ATTACHMENT	1	
26	MT3128 3062 56	BULKHEAD	1	
27	MT3128 3063 18	PERCUSSION BULKHEAD	1	
28	MTBPM1 JIM1516	BSPP x JIC Nipple	4	
29	MT0500 4501 23	PLAIN BEARING	2	
30	MT9111 4115 30M	TENSIONING UNIT	1	
31	MT9111 4019 67M	SHAFT	2	
32	MT0663 2163 00	O-RING	4	
33	MT0663 2163 00M	O-RING	2	
34	MT9106 2021 S64	CLAMP SET	3	
35	MT3128 3115 28S	HYDRAULIC CYLINDER	1	Service ex.
36	MT9120 0993 09	SEAL KIT	0	
37	MT9125 9552 00	SPHERICAL BEARING	2	
38	MT0335 2204 00	CIRCLIP	4	
39	MT3128 3115 75	EXPANSION SHAFT	1	
40	MT3128 3115 88	SHAFT	1	
41	MT9110 4756 00	SHAFT LOCK	1	
42	MT3128 3113 49	CYLINDER BRACKET	1	

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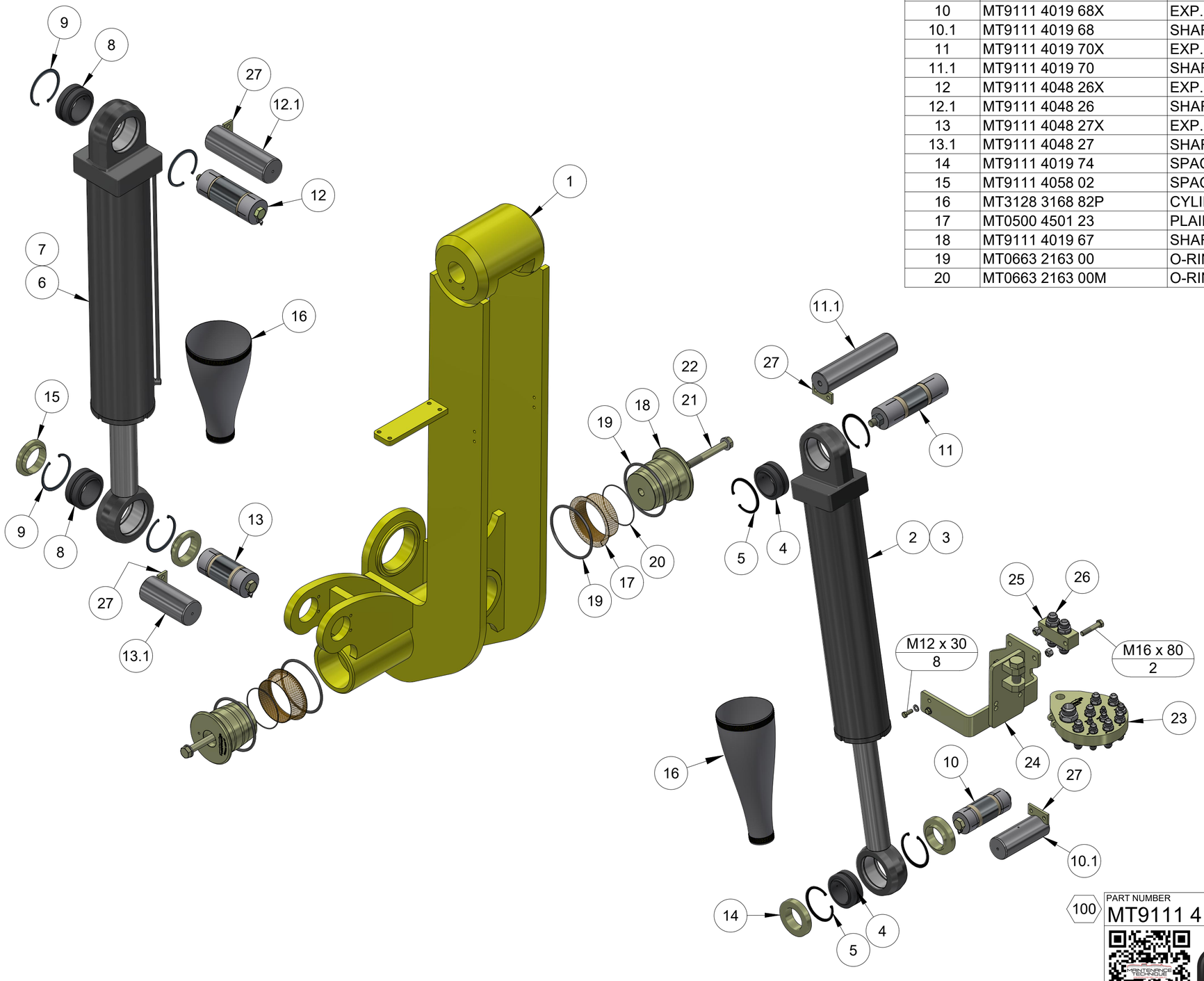
PART NUMBER
MT9106 2021 70C

DESCRIPTION
PENDULUM & FEED HOLDER

MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
1 Hahesy Circuit, Roseworthy S.A. 5371
171 Dugan Street, Kalgoorlie W.A. 6430
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www.mtunderground.com

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
21	MT0147 1648 03	BOLT	4	
22	MT0147 1648 03W	WASHER	4	
23	MT3128 3062 56	BULKHEAD	1	
24	MT9111 4032 12	ATTACHMENT	1	
25	MT3128 3063 18	PERCUSSION BULKHEAD	1	
26	BPM1 JIM 1516	BSPP x JIC NIPPLE	4	
27	MT9110 4758 00	LOCK SHEET	0	Suits OEM version shafts

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT9111 4144 04	SWING ATTACHMENT	1	Service ex.
2	MT9111 4019 61S	HYDRAULIC CYLINDER	1	Service ex.
3	MT9120 0993 17	SEAL KIT	0	
4	MT0501 0021 00	SPHERICAL BEARING	2	
5	MT0335 2176 00	CIRCLIP	4	
6	MT9111 4041 98S	HYDRAULIC CYLINDER	1	Service ex.
7	MT9120 0993 19	SEAL KIT	0	
8	MT9111 4041 96	SPHERICAL BEARING	2	
9	MT0335 2178 00	CIRCLIP	4	
10	MT9111 4019 68X	EXP. SHAFT LOWER TILT	1	
10.1	MT9111 4019 68	SHAFT	0	OEM version
11	MT9111 4019 70X	EXP. SHAFT UPPER TILT	1	
11.1	MT9111 4019 70	SHAFT	0	OEM version
12	MT9111 4048 26X	EXP. SHAFT UPPER PENDULUM	1	
12.1	MT9111 4048 26	SHAFT	0	OEM version
13	MT9111 4048 27X	EXP. SHAFT LOWER PENDULUM	1	
13.1	MT9111 4048 27	SHAFT	0	OEM version
14	MT9111 4019 74	SPACER	2	
15	MT9111 4058 02	SPACER	2	
16	MT3128 3168 82P	CYLINDER COVER	2	780mm long
17	MT0500 4501 23	PLAIN BEARING	6	
18	MT9111 4019 67	SHAFT	4	
19	MT0663 2163 00	O-RING	10	
20	MT0663 2163 00M	O-RING	4	



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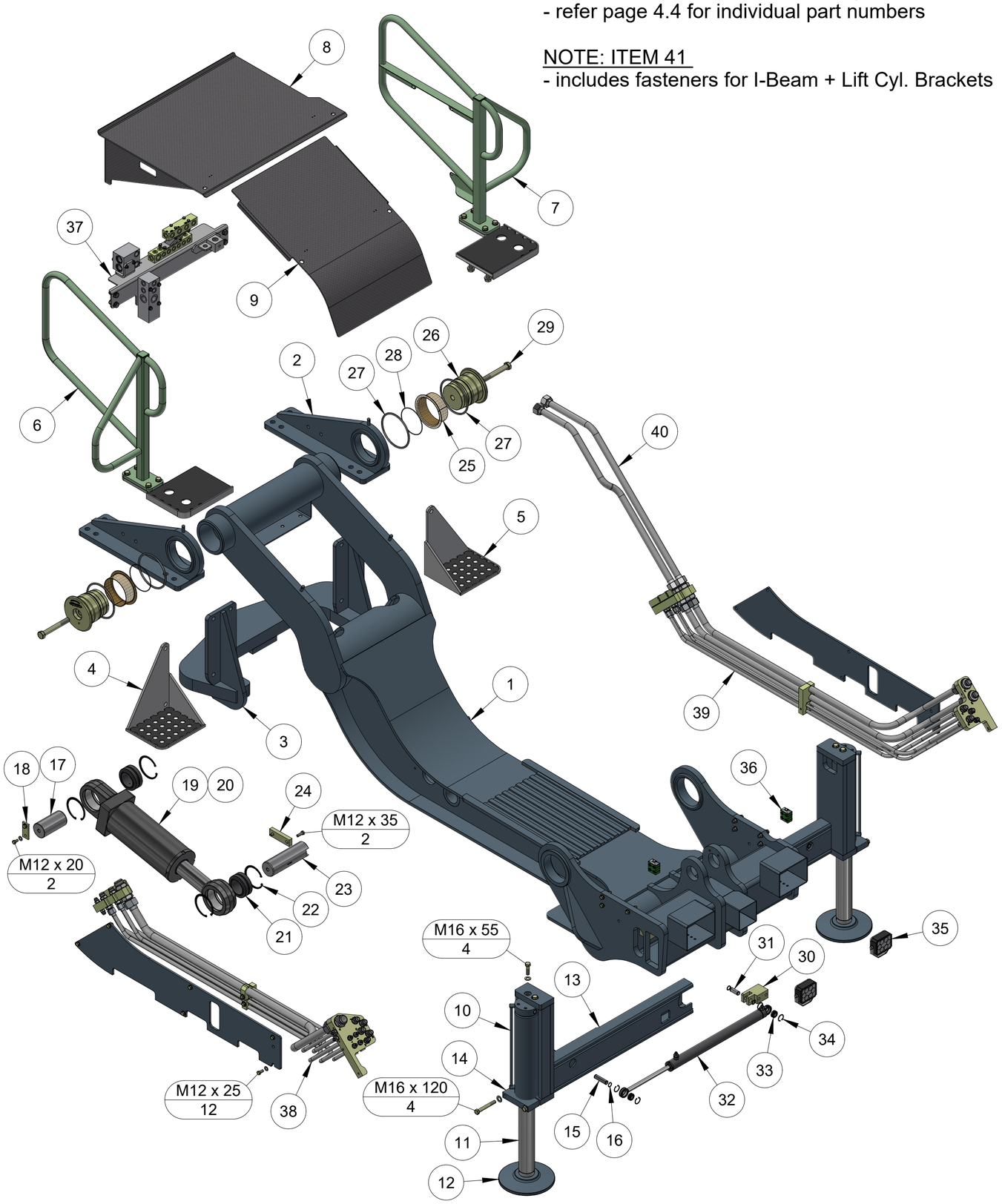
PART NUMBER	DESCRIPTION
MT9111 4144 04C	SWING ATTACHMENT & CYLINDERS

MAINTENANCE TECHNIQUE

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NOTE: ITEMS 38 - 40
- includes all Pipes, Clamps, Fittlings + Manifolds
- refer page 4.4 for individual part numbers

NOTE: ITEM 41
- includes fasteners for I-Beam + Lift Cyl. Brackets



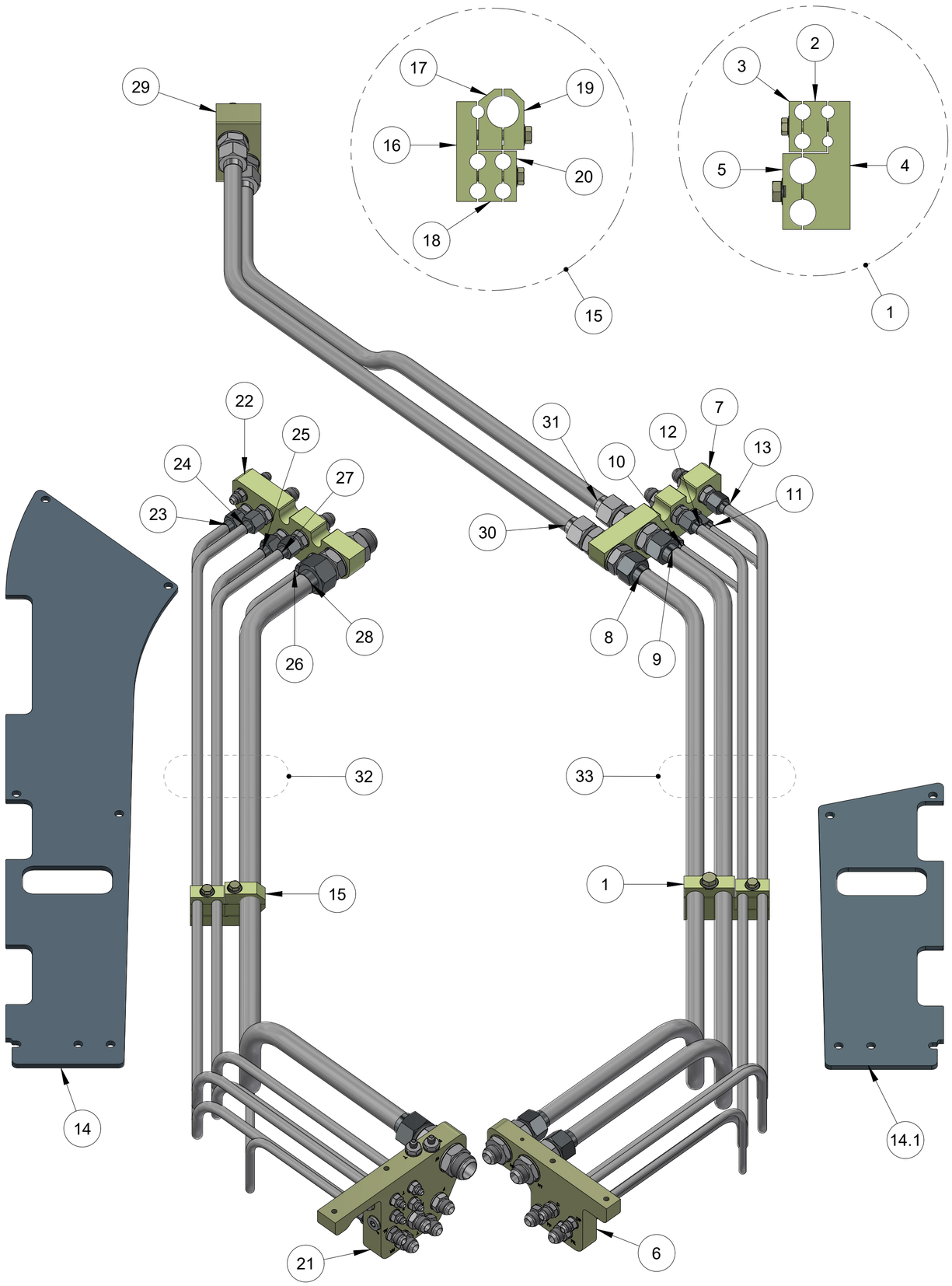
ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT9111 4144 01	FRAME COMPLETE	1	Service ex.
2	MT9111 4019 38	BEARING BRACKET	2	Service ex.
3	MT9111 4144 CB	CYLINDER BRACKET	1	Service ex.
4	MT5112 3130 00R	SS FRONT ACCESS STEP RH	1	
5	MT5112 3130 00L	SS FRONT ACCESS STEP LH	1	
6	MT5112 3130 FSRR	FRONT STEP & RAIL RH	1	
7	MT5112 3130 FSRL	FRONT STEP & RAIL LH	1	
8	MT3128 0017 59	COVER PLATE	1	
9	MT3128 0017 62	COVER PLATE	1	
10	MT3128 3060 28S	HYDRAULIC CYLINDER	2	Service ex.
11	MT9126 2010 03	PISTON ROD	1	
12	MT9106 1702 35	JACK FOOT FRONT	1	
13	MT9111 4019 83	JACK TUBE	2	Service ex.
14	MT5112 2710 00	ATTACHMENT PLATE	2	
15	MT9111 4019 84	SHAFT	2	
16	MT0335 1120 00	CIRCLIP	4	
17	MT9111 4019 71	SHAFT	1	
18	MT9110 4758 00	LOCK SHEET	1	
19	MT9111 4019 60S	HYDRAULIC CYLINDER	1	Service ex.
20	MT9120 0993 17	SEAL KIT	0	
21	MT0501 0021 00	SPHERICAL BEARING	2	
22	MT0335 2176 00	CIRCLIP	4	
23	MT9111 4095 17	SHAFT	1	
24	MT9111 4009 61	SHAFT LOCK	1	
25	MT0500 4501 23	PLAIN BEARING	2	
26	MT9111 4019 67	SHAFT	2	
27	MT0663 2163 00	O-RING	4	
28	MT0663 2163 00M	O-RING	2	
29	MT0147 1648 03	BOLT & WASHER	2	
30	MT9111 4020 44L	CYLINDER LUG	2	
31	MT9111 4019 73	SHAFT	2	
32	MT9111 4020 44	HYDRAULIC CYLINDER	2	Service ex.
33	MT0501 0012 00	SPHERICAL BEARING	2	
34	MT0335 2136 00	CIRCLIP	4	
35	MT5112 0113 35	DRIVING LIGHT	2	
36	MT9106 2021 S44	CLAMP SET	2	
37	MT9106 1077 99M	BRACKET ASSEMBLY	1	Complete
38	MT9111 4144 13	COMPLETE PIPE KIT RH	1	See note
39	MT9111 4144 14	COMPLETE PIPE KIT LH	1	See note
40	MT9111 4144 PK	PERC. EXT. PIPES & MANIFOLD	1	See note
41	MT2420 9011 055	DRILL UNIT BOLT KIT	0	See note

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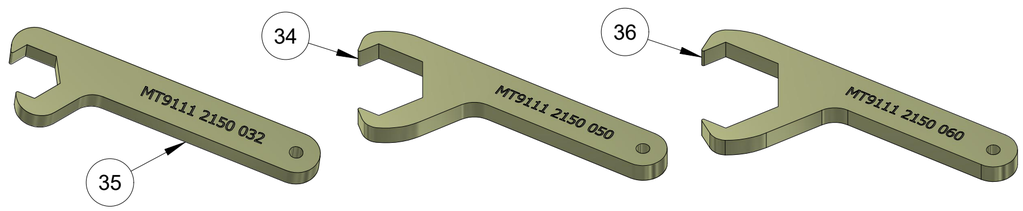
PART NUMBER
MT9111 4144 01F

DESCRIPTION
FRAME

MAINTENANCE TECHNIQUE
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ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT9111 4020 75CL	CLAMP KIT COMPLETE LH	1	
2	MT9111 4020 72	PIPE CLAMP	1	
3	MT9111 4020 74	PIPE CLAMP	1	
4	MT9111 4020 75	PIPE CLAMP	1	
5	MT9111 4020 77	PIPE CLAMP	1	
6	MT9111 4144 17C	PIPE COUPLING	1	Includes fittings
7	MT9111 4144 95C	PIPE COUPLING	1	Includes fittings
8	MTHT17	HYDRAULIC PIPE 31.75 x 3.25	1	
9	MTHP17	HYDRAULIC PIPE 31.75 x 3.25	1	
10	MTDP17	HYDRAULIC PIPE 12.70 x 1.65	1	
11	MTD17	HYDRAULIC PIPE 15.88 x 1.65	1	
12	MTFF17	HYDRAULIC PIPE 19.05 x 2.11	1	
13	MTFR17	HYDRAULIC PIPE 19.05 x 2.11	1	
14	MT9111 4144 13F	PROTECTION COVER	2	
14.1	MT9111 4144 13H	PROTECTION COVER - HALF	0	Optional
15	MT9111 4020 69CR	CLAMP KIT COMPLETE RH	1	
16	MT9111 4020 69	PIPE CLAMP	1	
17	MT9111 4020 70	PIPE CLAMP	1	
18	MT9111 4020 71	PIPE CLAMP	1	
19	MT9111 4020 73	PIPE CLAMP	1	
20	MT9111 4020 74	PIPE CLAMP	1	
21	MT9111 4144 15C	PIPE COUPLING	1	Includes fittings
22	MT9111 4144 98C	PIPE COUPLING	1	Includes fittings
23	MTRL27	HYDRAULIC PIPE 19.05 x 2.11	1	
24	MTRR27	HYDRAULIC PIPE 19.05 x 2.11	1	
25	MTT27	HYDRAULIC PIPE 19.05 x 2.11	1	
26	MTA27	HYDRAULIC PIPE 15.88 x 1.65	1	
27	MTP27	HYDRAULIC PIPE 19.05 x 2.11	1	
28	MTW27	HYDRAULIC PIPE 38.10 x 3.25	1	
29	MT3128 3060 50C	PIPE BULKHEAD COMPLETE	1	Includes fittings
30	MT9111 4144 59E	PERC. EXT. PIPE UPPER	1	Not part of kit
31	MT9111 4144 61E	PERC. EXT. PIPE LOWER	1	Not part of kit
32	MT1951 0009 6R	S/S PIPE KIT RH	1	
33	MT1951 0010 6L	S/S PIPE KIT LH	1	
34	MT9111 2150 032	PIPE SPANNER	1	
35	MT9111 2150 050	PIPE SPANNER	1	
36	MT9111 2150 060	PIPE SPANNER	1	

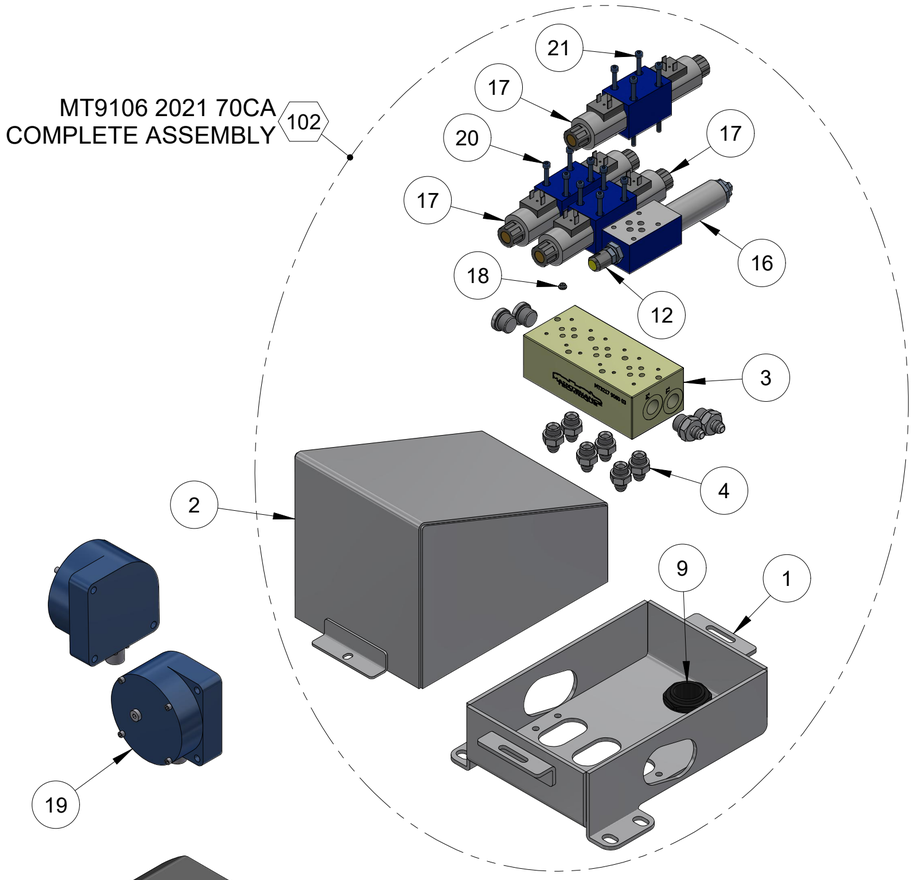


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PART NUMBER
MT9111 4144 1P

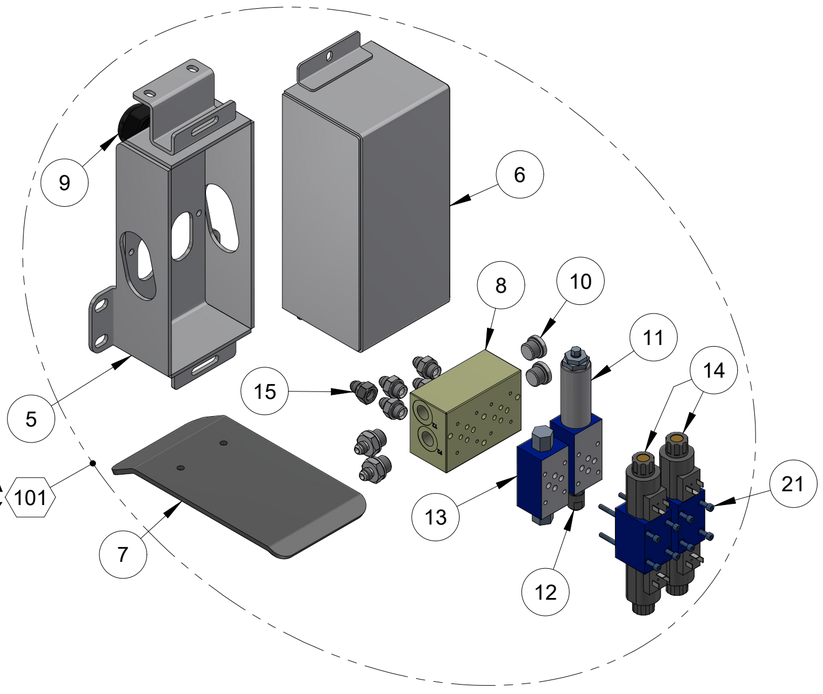
DESCRIPTION
PIPES

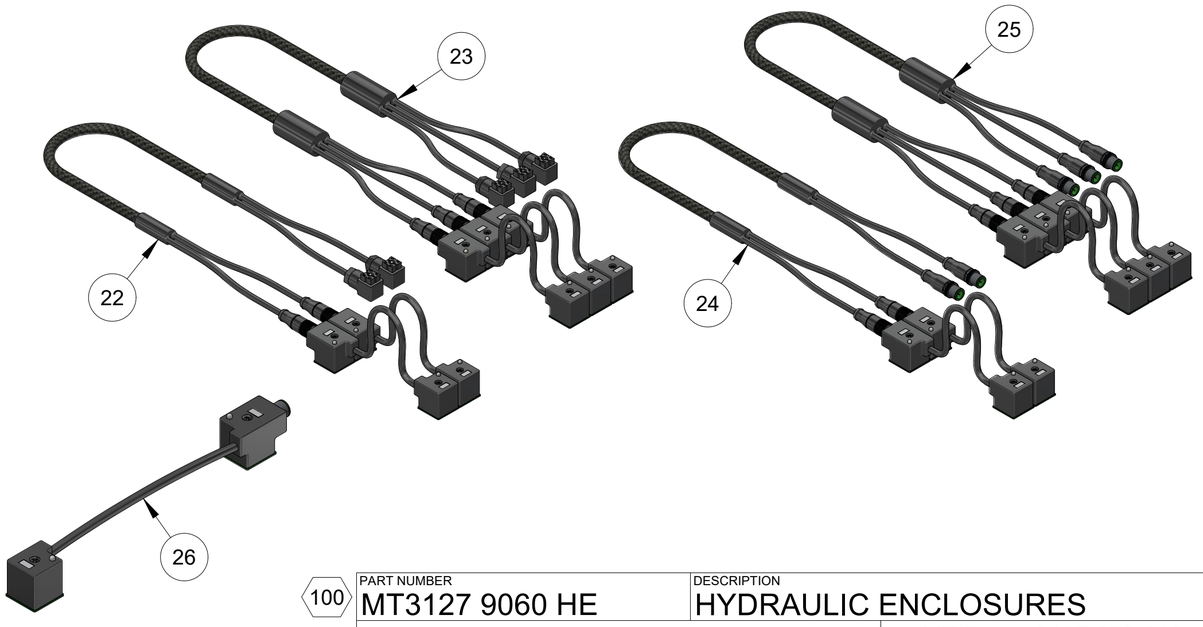
MAINTENANCE TECHNIQUE
MT Parts: 0407 059 610
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ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT9106 2021 70E	VALVE ENCLOSURE	1	
2	MT9106 2021 70EL	VALVE ENCLOSURE LID	1	
3	MT3217 9060 03	CONNECTION PLATE	1	
4	MT9111 4019 83FK	FITTINGS KIT	1	Includes all
5	MT9111 4019 83E	VALVE ENCLOSURE	2	
6	MT9111 4019 83EL	VALVE ENCLOSURE LID	2	
7	MT9111 4019 EC	ENCLOSURE COVER	2	
8	MT3217 9060 02	CONNECTION PLATE	2	
9	MT0698 5140 64	CABLE GLAND 40MM	3	
10	MT9106 2021 70FK	FITTINGS KIT	2	Includes all
11	MT3217 9341 40	PRESSURE REDUCING VALVE	2	B-port press. red.
12	MT3177 3016 00	COUPLING	3	Test 12
13	MT3222 3268 96	DOUBLE CHECK VALVE	2	Dbl. check valve C-top
14	MT3177 3092 83	DIRECTION VALVE	4	3 pos. direct hd DCV
15	MT3217 6513 08	RESTRICTOR (1.0MM)	2	B-port
16	MT3214 8712 80	PRESSURE REDUCING VALVE	1	P-port press. red.
17	MT3177 3092 60	3 POSITION VALVE	3	Proportion. 3 pos DCV
18	MT3125 5350 00	RESTRICTOR (2.4MM)	1	P-port
19	MT9106 2192 04	INCLINOMETER	2	
20	MT0211 1215 03	M5x50 SHCS	8	
21	MT4090 0630 00	M5x90 SHCS	12	
22	MT0211 1965 58	M5x130 SHCS	0	Not shown
23	MT9106 1725 322	PAIRED VALVE ARMOURED TWIN OUTPUT CABLE	2	RCS3, includes 2x item 21
24	MT9106 1725 323	TRIPLE VALVE ARMOURED TWIN OUTPUT CABLE	1	RCS3, includes 3x item 21
25	MT3176 0010 542	PAIRED VALVE ARMOURED TWIN OUTPUT CABLE	2	RCS4, includes 2x item 21
26	MT3176 0010 543	TRIPLE VALVE ARMOURED TWIN OUTPUT CABLE	1	RCS4, includes 3x item 21
27	MT9106 1458 156	M12 DOUBLE DIN ADAPTOR	1	RCS3 / RCS4







100 | PART NUMBER: MT3127 9060 HE | DESCRIPTION: HYDRAULIC ENCLOSURES

MAINTENANCE TECHNIQUE
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