

# Service Bulletin

Original Ride Manufacturer: Table 1	Affected Production Dates: All rides as mentioned in Table 1
Ride Name: Various	Affected Serial Nos: Table 1
Model No: N.A.	

### Abstract of issue:

This service bulletin instructs owners to perform all inspections according to the instructions and intervals as specified in their operation and maintenance manual (OMM).

### Reason for release:

Recently an incident occurred at an existing ride, therefore VRP&S decided to mention to all ride owners that it is very important to follow their OMM.

### Action to be taken:

Review the maintenance logbook and if necessary perform the maintenance items as specified in the OMM.

Date	Revision number	Comment
14-01-2015	00	Initial version

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IB-nr.	Original Ride Manufacturer	Project number
10507	Vekoma International B.V./Vekoma Manufacturing B.V (train), B&M (ride) *	91028/91029/91030
10505	Vekoma Rides Manufacturing B.V. (train), Arrow (ride)*	91178
10506	Non-Vekoma Ride*	n.a.
10507	Vekoma International B.V./Vekoma Manufacturing B.V (train), B&M (ride)*	91028/29/30/31
10509	Non-Vekoma Ride*	n.a.
10511	Non-Vekoma Ride*	n.a.
10518	Non-Vekoma Ride*	n.a.
10519	Non-Vekoma Ride*	n.a.
11502	WDI	20131
12001	Vekoma International B.V./Vekoma Manufacturing B.V*	93108
12002	Vekoma International B.V./Vekoma Manufacturing B.V*	93138
12003	Vekoma International B.V./Vekoma Manufacturing B.V*	92523
12004	Vekoma International B.V./Vekoma Manufacturing B.V*	94141
12005	Vekoma International B.V./Vekoma Manufacturing B.V*	97203
12501	Vekoma International B.V./Vekoma Manufacturing B.V*	86705
12502	Vekoma International B.V./Vekoma Manufacturing B.V*	87660
12503	Vekoma International B.V./Vekoma Manufacturing B.V*	89520
12504	Vekoma International B.V./Vekoma Manufacturing B.V*	89574
12505	Vekoma International B.V./Vekoma Manufacturing B.V*	89531
12506	Vekoma International B.V./Vekoma Manufacturing B.V*	92533
13001	Vekoma International B.V./Vekoma Manufacturing B.V*	93615
13002	Vekoma International B.V./Vekoma Manufacturing B.V*	95105
13501	Vekoma International B.V./Vekoma Manufacturing B.V*	84520
13502	Vekoma International B.V./Vekoma Manufacturing B.V*	85600
13503	Vekoma International B.V./Vekoma Manufacturing B.V*	85610

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14002	Vekoma International B.V./Vekoma Manufacturing B.V*	98159
14501	Vekoma International B.V./Vekoma Manufacturing B.V*	85675
14503	Vekoma International B.V./Vekoma Manufacturing B.V*	95128
15001	Vekoma International B.V./Vekoma Manufacturing B.V*	84510
15502	Vekoma International B.V./Vekoma Manufacturing B.V*	78100
15503	Vekoma International B.V./Vekoma Manufacturing B.V*	78100
15504	Vekoma International B.V./Vekoma Manufacturing B.V*	78100
15505	Vekoma International B.V./Vekoma Manufacturing B.V*	81531
15506	Vekoma International B.V./Vekoma Manufacturing B.V*	83540
15507	Vekoma International B.V./Vekoma Manufacturing B.V*	84560
15508	Vekoma International B.V./Vekoma Manufacturing B.V*	86665
15509	Vekoma International B.V./Vekoma Manufacturing B.V*	89543
15510	Vekoma International B.V./Vekoma Manufacturing B.V*	94121
15511	Vekoma International B.V./Vekoma Manufacturing B.V*	91664
15512	Vekoma International B.V./Vekoma Manufacturing B.V*	93133
15513	Vekoma International B.V./Vekoma Manufacturing B.V*	93143
15514	Vekoma International B.V./Vekoma Manufacturing B.V*	99301
15516	Vekoma Rides Manufacturing B.V. (Bussink)	60029
16001	Vekoma International B.V./Vekoma Manufacturing B.V*	97136
16501	Vekoma International B.V./Vekoma Manufacturing B.V*	95106
16502	Vekoma International B.V./Vekoma Manufacturing B.V*	95162
16503	Vekoma International B.V./Vekoma Manufacturing B.V*	97173
16504	Vekoma International B.V./Vekoma Manufacturing B.V*	97152
16505	Vekoma International B.V./Vekoma Manufacturing B.V*	98175
16506	Vekoma International B.V./Vekoma Manufacturing B.V*	98176
16507	Vekoma International B.V./Vekoma Manufacturing B.V*	98177/20103
16508	Vekoma International B.V./Vekoma Manufacturing B.V*	98178

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16509	Vekoma International B.V./Vekoma Manufacturing B.V.*	98181
16510	Vekoma International B.V./Vekoma Manufacturing B.V.*	20154
16511	Vekoma International B.V./Vekoma Manufacturing B.V.*	20174
16512	Vekoma Rides Manufacturing B.V.*	91080/20158
16513	Vekoma Rides Manufacturing B.V.*	91034
16514	Vekoma Rides Manufacturing B.V.*	91048
16515	Vekoma Rides Manufacturing B.V.*	60238
17001	Vekoma Rides Manufacturing B.V.*	91024
17501	Vekoma International B.V./Vekoma Manufacturing B.V.*	90501
18001	Vekoma International B.V./Vekoma Manufacturing B.V.*	94102
18502	Vekoma International B.V./Vekoma Manufacturing B.V.*	80420
18504	Vekoma International B.V./Vekoma Manufacturing B.V.*	80440
18505	Vekoma International B.V./Vekoma Manufacturing B.V.*	80450
18506	Vekoma International B.V./Vekoma Manufacturing B.V.*	80460
18507	Vekoma International B.V./Vekoma Manufacturing B.V.*	80470
19001	Vekoma International B.V./Vekoma Manufacturing B.V.*	83520
19002	Vekoma International B.V./Vekoma Manufacturing B.V.*	93612
20002	Vekoma International B.V./Vekoma Manufacturing B.V.*	84525
20003	Vekoma International B.V./Vekoma Manufacturing B.V.*	84540
20004	Vekoma International B.V./Vekoma Manufacturing B.V.*	84550
20007	Vekoma International B.V./Vekoma Manufacturing B.V.*	85520
20009	Vekoma International B.V./Vekoma Manufacturing B.V.*	86685
20010	Vekoma International B.V./Vekoma Manufacturing B.V.*	89595
20011	Vekoma International B.V./Vekoma Manufacturing B.V.*	93105
20012	Vekoma International B.V./Vekoma Manufacturing B.V.*	89600
20014	Vekoma International B.V./Vekoma Manufacturing B.V.*	90514
20015	Vekoma International B.V./Vekoma Manufacturing B.V.*	90515

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20016	Vekoma International B.V./Vekoma Manufacturing B.V.*	92520
21501	Vekoma International B.V./Vekoma Manufacturing B.V.*	96366
21502	Vekoma Rides Manufacturing B.V.*	91006
21503	Vekoma Rides Manufacturing B.V.*	60009
21504	Vekoma Rides Manufacturing B.V.*	60239
22002	Vekoma International B.V./Vekoma Manufacturing B.V.*	80120
22003	Vekoma International B.V./Vekoma Manufacturing B.V.*	80130
22004	Vekoma International B.V./Vekoma Manufacturing B.V.*	80140
22005	Vekoma International B.V./Vekoma Manufacturing B.V.*	80150
22006	Vekoma International B.V./Vekoma Manufacturing B.V.*	80160
22007	Vekoma International B.V./Vekoma Manufacturing B.V.*	80170
22501	Vekoma International B.V./Vekoma Manufacturing B.V.*	88699
22502	Vekoma International B.V./Vekoma Manufacturing B.V.*	87550
23501	Vekoma International B.V./Vekoma Manufacturing B.V.*	92513
24001	Vekoma International B.V./Vekoma Manufacturing B.V.*	94105
24501	Vekoma International B.V./Vekoma Manufacturing B.V.*	93112
24502	Vekoma International B.V./Vekoma Manufacturing B.V.*	97204/5
25001	Vekoma International B.V./Vekoma Manufacturing B.V.*	93139
25002	Vekoma International B.V./Vekoma Manufacturing B.V.*	97206
25501	Vekoma International B.V./Vekoma Manufacturing B.V.*	89428
25502	Vekoma International B.V./Vekoma Manufacturing B.V.*	90521
25503	Vekoma International B.V./Vekoma Manufacturing B.V.*	90526
25504	Vekoma International B.V./Vekoma Manufacturing B.V.*	92500
25505	Vekoma International B.V./Vekoma Manufacturing B.V.*	92505
25506	Vekoma International B.V./Vekoma Manufacturing B.V.*	92526
25508	Vekoma International B.V./Vekoma Manufacturing B.V.*	91006
26001	Vekoma International B.V./Vekoma Manufacturing B.V.*	92430

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26002	Vekoma International B.V./Vekoma Manufacturing B.V*	93611
26003	Vekoma International B.V./Vekoma Manufacturing B.V*	93128
26004	Vekoma International B.V./Vekoma Manufacturing B.V*	93130
26005	Vekoma International B.V./Vekoma Manufacturing B.V*	94108
26006	Vekoma International B.V./Vekoma Manufacturing B.V*	95121
26007	Vekoma International B.V./Vekoma Manufacturing B.V*	97198
26501	Caripro	20149
26601	Caripro	n.a.
27001	Vekoma International B.V./Vekoma Manufacturing B.V*	99292
27002	Vekoma International B.V./Vekoma Manufacturing B.V*	97134
27003	Vekoma International B.V./Vekoma Manufacturing B.V*	91018
27501	Vekoma International B.V./Vekoma Manufacturing B.V*	82608
27502	Vekoma International B.V./Vekoma Manufacturing B.V*	83515
27503	Vekoma International B.V./Vekoma Manufacturing B.V*	83530
27504	Vekoma International B.V./Vekoma Manufacturing B.V*	83535
27505	Vekoma International B.V./Vekoma Manufacturing B.V*	91685
27506	Vekoma International B.V./Vekoma Manufacturing B.V*	84545
27507	Vekoma International B.V./Vekoma Manufacturing B.V*	84555
27508	Vekoma International B.V./Vekoma Manufacturing B.V*	84565
27509	Vekoma International B.V./Vekoma Manufacturing B.V*	85590
27510	Vekoma International B.V./Vekoma Manufacturing B.V*	86785
27511	Vekoma International B.V./Vekoma Manufacturing B.V*	86780
27512	Vekoma International B.V./Vekoma Manufacturing B.V*	86725
27514	Vekoma International B.V./Vekoma Manufacturing B.V*	86715
27515	Vekoma International B.V./Vekoma Manufacturing B.V*	86640
27516	Vekoma International B.V./Vekoma Manufacturing B.V*	87505
27517	Vekoma International B.V./Vekoma Manufacturing B.V*	93104

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27518	Vekoma International B.V./Vekoma Manufacturing B.V.*	87610
27519	Vekoma International B.V./Vekoma Manufacturing B.V.*	87685
27520	Vekoma International B.V./Vekoma Manufacturing B.V.*	89587
27521	Vekoma International B.V./Vekoma Manufacturing B.V.*	89605
27522	Vekoma International B.V./Vekoma Manufacturing B.V.*	89610
27523	Vekoma International B.V./Vekoma Manufacturing B.V.*	90510
27524	Vekoma International B.V./Vekoma Manufacturing B.V.*	90523
27525	Vekoma International B.V./Vekoma Manufacturing B.V.*	91678
27526	Vekoma International B.V./Vekoma Manufacturing B.V.*	95115
27527	Vekoma International B.V./Vekoma Manufacturing B.V.*	95163
27528	Vekoma International B.V./Vekoma Manufacturing B.V.*	96378
27529	Vekoma International B.V./Vekoma Manufacturing B.V.*	96372
27530	Vekoma International B.V./Vekoma Manufacturing B.V.*	96340
27531	Vekoma International B.V./Vekoma Manufacturing B.V.*	96293
27532	Vekoma International B.V./Vekoma Manufacturing B.V.*	97105
27533	Vekoma International B.V./Vekoma Manufacturing B.V.*	97117
27534	Vekoma International B.V./Vekoma Manufacturing B.V.*	97153
27535	Vekoma International B.V./Vekoma Manufacturing B.V.*	97128
27536	Vekoma International B.V./Vekoma Manufacturing B.V.*	97196
27537	Vekoma International B.V./Vekoma Manufacturing B.V.*	98113
27538	Vekoma International B.V./Vekoma Manufacturing B.V.*	98111
27539	Vekoma International B.V./Vekoma Manufacturing B.V.*	99306
27540	Vekoma International B.V./Vekoma Manufacturing B.V.*	97333
27541	Vekoma International B.V./Vekoma Manufacturing B.V.*	99269
27542	Vekoma International B.V./Vekoma Manufacturing B.V.*	98112
27543	Vekoma International B.V./Vekoma Manufacturing B.V.*	20151
27544	Vekoma Rides Manufacturing B.V.*	91008

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27546	Vekoma Rides Manufacturing B.V.*	60022
27547	Vekoma Rides Manufacturing B.V.*	60392
27548	Vekoma Rides Manufacturing B.V.*	60393
27549	Vekoma Rides Manufacturing B.V.*	60465
27550	Vekoma Rides Manufacturing B.V.*	60542
27551	Vekoma Rides Manufacturing B.V.*	60559
27552	Vekoma Rides Manufacturing B.V.*	60559
28001	Vekoma International B.V./Vekoma Manufacturing B.V.*	93102
28501	Vekoma International B.V./Vekoma Manufacturing B.V.*	85525
28502	Vekoma International B.V./Vekoma Manufacturing B.V.*	85530
28503	Vekoma International B.V./Vekoma Manufacturing B.V.*	86770
28504	Vekoma International B.V./Vekoma Manufacturing B.V.*	87580
28505	Vekoma International B.V./Vekoma Manufacturing B.V.*	88692
28506	Vekoma International B.V./Vekoma Manufacturing B.V.*	92511
28507	Vekoma International B.V./Vekoma Manufacturing B.V.*	97121
29003	Vekoma International B.V./Vekoma Manufacturing B.V.*	78830
29005	Vekoma International B.V./Vekoma Manufacturing B.V.*	78850
29006	Vekoma International B.V./Vekoma Manufacturing B.V.*	80860
29007	Vekoma International B.V./Vekoma Manufacturing B.V.*	80870
29008	Vekoma International B.V./Vekoma Manufacturing B.V.*	81500
29501	Vekoma International B.V./Vekoma Manufacturing B.V.*	80880
29502	Vekoma International B.V./Vekoma Manufacturing B.V.*	82550
29503	Vekoma International B.V./Vekoma Manufacturing B.V.*	82560
29504	Vekoma International B.V./Vekoma Manufacturing B.V.*	84535
29505	Vekoma International B.V./Vekoma Manufacturing B.V.*	87695
30001	Vekoma International B.V./Vekoma Manufacturing B.V.*	96584

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30003	Vekoma International B.V./Vekoma Manufacturing B.V.*	20139
30004	Vekoma International B.V./Vekoma Manufacturing B.V.*	20140
30501	Vekoma International B.V./Vekoma Manufacturing B.V.*	20142
30502	Vekoma International B.V./Vekoma Manufacturing B.V.*	20144
30503	Vekoma International B.V./Vekoma Manufacturing B.V.*	20143
30504	Vekoma Rides Manufacturing B.V.*	91011
30505	Vekoma Rides Manufacturing B.V.*	60329
30506	Vekoma Rides Manufacturing B.V.*	60403
31001	Vekoma International B.V./Vekoma Manufacturing B.V.*	87690
31002	Vekoma International B.V./Vekoma Manufacturing B.V.*	95116
31501	Vekoma International B.V./Vekoma Manufacturing B.V.*	96590
31502	Vekoma International B.V./Vekoma Manufacturing B.V.*	97137
31503	Vekoma International B.V./Vekoma Manufacturing B.V.*	97160
31504	Vekoma International B.V./Vekoma Manufacturing B.V.*	98158
32001	Vekoma International B.V./Vekoma Manufacturing B.V.*	92604
32002	Vekoma International B.V./Vekoma Manufacturing B.V.*	93144
32003	Vekoma International B.V./Vekoma Manufacturing B.V.*	93137
32004	Vekoma International B.V./Vekoma Manufacturing B.V.*	94103
32005	Vekoma International B.V./Vekoma Manufacturing B.V.*	94117
32007	Vekoma International B.V./Vekoma Manufacturing B.V.*	94119
32008	Vekoma International B.V./Vekoma Manufacturing B.V.*	94124
32009	Vekoma International B.V./Vekoma Manufacturing B.V.*	94133
32010	Vekoma International B.V./Vekoma Manufacturing B.V.*	94136
32011	Vekoma International B.V./Vekoma Manufacturing B.V.*	95107
32012	Vekoma International B.V./Vekoma Manufacturing B.V.*	96398
32013	Vekoma International B.V./Vekoma Manufacturing B.V.*	95164
32014	Vekoma International B.V./Vekoma Manufacturing B.V.*	95170

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32015	Vekoma International B.V./Vekoma Manufacturing B.V.*	96350
32016	Vekoma International B.V./Vekoma Manufacturing B.V.*	96362
32017	Vekoma International B.V./Vekoma Manufacturing B.V.*	96344
32018	Vekoma International B.V./Vekoma Manufacturing B.V.*	96356
32019	Vekoma International B.V./Vekoma Manufacturing B.V.*	96289
32020	Vekoma International B.V./Vekoma Manufacturing B.V.*	97119
32021	Vekoma International B.V./Vekoma Manufacturing B.V.*	97103
32022	Vekoma International B.V./Vekoma Manufacturing B.V.*	97163
32023	Vekoma International B.V./Vekoma Manufacturing B.V.*	97330
32024	Vekoma International B.V./Vekoma Manufacturing B.V.*	97154
32025	Vekoma International B.V./Vekoma Manufacturing B.V.*	97197
32026	Vekoma International B.V./Vekoma Manufacturing B.V.*	97332
32027	Vekoma International B.V./Vekoma Manufacturing B.V.*	97331
32028	Vekoma International B.V./Vekoma Manufacturing B.V.*	97123
32029	Vekoma International B.V./Vekoma Manufacturing B.V.*	98130
32030	Vekoma International B.V./Vekoma Manufacturing B.V.*	99262
32031	Vekoma International B.V./Vekoma Manufacturing B.V.*	98182
32032	Vekoma International B.V./Vekoma Manufacturing B.V.*	99272
32033	Vekoma Rides Manufacturing B.V.*	91000
32034	Vekoma Rides Manufacturing B.V.*	91015/91016
32035	Vekoma Rides Manufacturing B.V.*	91084
32036	Vekoma Rides Manufacturing B.V.*	91004
32037	Vekoma Rides Manufacturing B.V.*	91013
32038	Vekoma Rides Manufacturing B.V.*	60007
32039	Vekoma Rides Manufacturing B.V.*	60032
32040	Vekoma Rides Manufacturing B.V.*	60158
32501	Vekoma Rides Manufacturing B.V.*	91050

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33001	Vekoma International B.V./Vekoma Manufacturing B.V.*	81511
33002	Vekoma International B.V./Vekoma Manufacturing B.V.*	87640
33003	Vekoma International B.V./Vekoma Manufacturing B.V.*	89561
33501	Vekoma International B.V./Vekoma Manufacturing B.V.*	80710
33502	Vekoma International B.V./Vekoma Manufacturing B.V.*	80720
33503	Vekoma International B.V./Vekoma Manufacturing B.V.*	80730
33504	Vekoma International B.V./Vekoma Manufacturing B.V.*	80740
33505	Vekoma International B.V./Vekoma Manufacturing B.V.*	80750
33507	Vekoma International B.V./Vekoma Manufacturing B.V.*	81527
34001	Vekoma Rides Manufacturing B.V.*	91026
34501	Vekoma International B.V./Vekoma Manufacturing B.V.*	86760
34502	Vekoma International B.V./Vekoma Manufacturing B.V.*	86700
34503	Vekoma International B.V./Vekoma Manufacturing B.V.*	93134
35001	Vekoma International B.V./Vekoma Manufacturing B.V.*	93103
35501	Vekoma International B.V./Vekoma Manufacturing B.V.*	87650
35502	Vekoma International B.V./Vekoma Manufacturing B.V.*	88688
35503	Vekoma International B.V./Vekoma Manufacturing B.V.*	91650
35504	Vekoma International B.V./Vekoma Manufacturing B.V.*	93100/93101
36001	Vekoma International B.V./Vekoma Manufacturing B.V.*	87520
36002	Vekoma International B.V./Vekoma Manufacturing B.V.*	88697
36501	Vekoma International B.V./Vekoma Manufacturing B.V.*	20121
36502	Vekoma International B.V./Vekoma Manufacturing B.V.*	20160
36503	Vekoma Rides Manufacturing B.V.*	91086
36504	Vekoma Rides Manufacturing B.V.*	91091
36505	Vekoma Rides Manufacturing B.V.*	91152
36506	Vekoma Rides Manufacturing B.V.*	60001
36507	Vekoma Rides Manufacturing B.V.*	60024

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37001	Vekoma International B.V./Vekoma Manufacturing B.V.*	88700
37501	Vekoma International B.V./Vekoma Manufacturing B.V.*	89589
37502	Vekoma International B.V./Vekoma Manufacturing B.V.*	92536
37503	Vekoma International B.V./Vekoma Manufacturing B.V.*	92601
37506	Vekoma International B.V./Vekoma Manufacturing B.V.*	94107
37507	Vekoma International B.V./Vekoma Manufacturing B.V.*	94139
37508	Vekoma International B.V./Vekoma Manufacturing B.V.*	94130
37509	Vekoma International B.V./Vekoma Manufacturing B.V.*	94129
37510	Vekoma International B.V./Vekoma Manufacturing B.V.*	95176
37511	Vekoma International B.V./Vekoma Manufacturing B.V.*	95117
37512	Vekoma International B.V./Vekoma Manufacturing B.V.*	96370
37513	Vekoma International B.V./Vekoma Manufacturing B.V.*	96392
37514	Vekoma International B.V./Vekoma Manufacturing B.V.*	96352
37515	Vekoma International B.V./Vekoma Manufacturing B.V.*	96287
37516	Vekoma International B.V./Vekoma Manufacturing B.V.*	97135
37517	Vekoma International B.V./Vekoma Manufacturing B.V.*	99283
37518	Vekoma International B.V./Vekoma Manufacturing B.V.*	20111
37519	Vekoma Rides Manufacturing B.V.*	91159
37520	Vekoma Rides Manufacturing B.V.*	91225
37521	Vekoma Rides Manufacturing B.V.*	60023
37522	Vekoma Rides Manufacturing B.V.*	60176
37523	Vekoma Rides Manufacturing B.V.*	60190
37524	Vekoma Rides Manufacturing B.V.*	60263
37525	Vekoma Rides Manufacturing B.V.*	60275
37526	Vekoma Rides Manufacturing B.V.*	60409
38001	Vekoma International B.V./Vekoma Manufacturing B.V.*	89606
38002	Vekoma International B.V./Vekoma Manufacturing B.V.*	90505

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38003	Vekoma International B.V./Vekoma Manufacturing B.V*	91669
38004	Vekoma International B.V./Vekoma Manufacturing B.V*	90517
38005	Vekoma International B.V./Vekoma Manufacturing B.V*	90524
38006	Vekoma International B.V./Vekoma Manufacturing B.V*	91665
38007	Vekoma International B.V./Vekoma Manufacturing B.V*	91672
38008	Vekoma International B.V./Vekoma Manufacturing B.V*	92512
38009	Vekoma International B.V./Vekoma Manufacturing B.V*	92522
38010	Vekoma International B.V./Vekoma Manufacturing B.V*	92521
38011	Vekoma International B.V./Vekoma Manufacturing B.V*	91668
38012	Vekoma International B.V./Vekoma Manufacturing B.V*	91660
38013	Vekoma International B.V./Vekoma Manufacturing B.V*	91677-97193
38014	Vekoma International B.V./Vekoma Manufacturing B.V*	91676
38015	Vekoma International B.V./Vekoma Manufacturing B.V*	91675
38016	Vekoma International B.V./Vekoma Manufacturing B.V*	93132
38017	Vekoma International B.V./Vekoma Manufacturing B.V*	95103
38018	Vekoma International B.V./Vekoma Manufacturing B.V*	95131
38019	Vekoma International B.V./Vekoma Manufacturing B.V*	96376
38020	Vekoma International B.V./Vekoma Manufacturing B.V*	94128
38021	Vekoma International B.V./Vekoma Manufacturing B.V*	96304
38022	Vekoma International B.V./Vekoma Manufacturing B.V*	96302
38023	Vekoma International B.V./Vekoma Manufacturing B.V*	96358
38024	Vekoma International B.V./Vekoma Manufacturing B.V*	96320
38025	Vekoma International B.V./Vekoma Manufacturing B.V*	96291
38026	Vekoma International B.V./Vekoma Manufacturing B.V*	96281
38027	Vekoma International B.V./Vekoma Manufacturing B.V*	97167
38028	Vekoma International B.V./Vekoma Manufacturing B.V*	97200
38029	Vekoma International B.V./Vekoma Manufacturing B.V*	97126

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38030	Vekoma International B.V./Vekoma Manufacturing B.V*	98134
38031	Vekoma International B.V./Vekoma Manufacturing B.V*	98173
38032	Vekoma International B.V./Vekoma Manufacturing B.V*	98104
38033	Vekoma International B.V./Vekoma Manufacturing B.V*	99250
38034	Vekoma International B.V./Vekoma Manufacturing B.V*	98103
38035	Vekoma International B.V./Vekoma Manufacturing B.V*	99281
38036	Vekoma International B.V./Vekoma Manufacturing B.V*	99314
38037	Vekoma International B.V./Vekoma Manufacturing B.V*	99256
38038	Vekoma International B.V./Vekoma Manufacturing B.V*	99343
38039	Vekoma International B.V./Vekoma Manufacturing B.V*	99361
38040	Vekoma International B.V./Vekoma Manufacturing B.V*	20135
38041	Vekoma International B.V./Vekoma Manufacturing B.V*	20169
38042	Vekoma International B.V./Vekoma Manufacturing B.V*	20152
38043	Vekoma Rides Manufacturing B.V.*	91073
38044	Vekoma Rides Manufacturing B.V.*	91127
38045	Vekoma Rides Manufacturing B.V.*	60002
38046	Vekoma Rides Manufacturing B.V.*	60018
38047	Vekoma Rides Manufacturing B.V.*	60113
38048	Vekoma Rides Manufacturing B.V.*	60186
38049	Vekoma Rides Manufacturing B.V.*	60206
38050	Vekoma Rides Manufacturing B.V.*	60224
38052	Vekoma Rides Manufacturing B.V.*	60282
38053	Vekoma Rides Manufacturing B.V.*	60283
38054	Vekoma Rides Manufacturing B.V.*	60293
38055	Vekoma Rides Manufacturing B.V.*	60452
38056	Vekoma Rides Manufacturing B.V.*	60474
38501	Vekoma International B.V./Vekoma Manufacturing B.V*	94138

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39001	Vekoma International B.V./Vekoma Manufacturing B.V.*	89563
39501	Vekoma International B.V./Vekoma Manufacturing B.V.*	86690
39502	Vekoma International B.V./Vekoma Manufacturing B.V.*	86710
39503	Vekoma International B.V./Vekoma Manufacturing B.V.*	87560
39504	Vekoma International B.V./Vekoma Manufacturing B.V.*	95129
39505	Vekoma Rides Manufacturing B.V.*	91116
39506	Vekoma Rides Manufacturing B.V.*	91154
39507	Vekoma Rides Manufacturing B.V.*	60098
39508	Vekoma Rides Manufacturing B.V.*	95004
39509	Vekoma Rides Manufacturing B.V.*	60350
40001	Vekoma International B.V./Vekoma Manufacturing B.V.*	89545
40002	Vekoma International B.V./Vekoma Manufacturing B.V.*	94127
40003	Vekoma International B.V./Vekoma Manufacturing B.V.*	97129
40004	Vekoma Rides Manufacturing B.V.*	91002
40006	Vekoma Rides Manufacturing B.V.*	60008
40008	Vekoma Rides Manufacturing B.V.*	60114
40009	Vekoma Rides Manufacturing B.V.*	60123
40010	Vekoma Rides Manufacturing B.V.*	60159
40011	Vekoma Rides Manufacturing B.V.*	60237
40501	Vekoma International B.V./Vekoma Manufacturing B.V.*	94116
40502	Vekoma International B.V./Vekoma Manufacturing B.V.*	95174
40503	Vekoma Rides Manufacturing B.V.*	98116
42001	Vekoma International B.V./Vekoma Manufacturing B.V.*	99282
42002	Vekoma International B.V./Vekoma Manufacturing B.V.*	99311/20148
42003	Vekoma International B.V./Vekoma Manufacturing B.V.*	20148
44501	Vekoma Rides Manufacturing B.V.*	60004/60013
44502	Vekoma Rides Manufacturing B.V.*	60031

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Issuing Entity:  
 Vekoma Rides Parts & Services B.V.  
 Schaapweg 18  
 6063 BA VLODRUP  
 The Netherlands  
 CoC Number: 12049585

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44503	Vekoma Rides Manufacturing B.V.*	60054
44504	Vekoma Rides Manufacturing B.V.*	60157
45001	Vekoma Rides Manufacturing B.V.*	60102
45002	Vekoma Rides Manufacturing B.V.*	60071
45003	Vekoma Rides Manufacturing B.V.*	60178
45004	Vekoma Rides Manufacturing B.V.*	60440
45005	Vekoma Rides Manufacturing B.V.*	60459
45007	Vekoma Rides Manufacturing B.V.*	60507
45501	Vekoma Rides Manufacturing B.V.*	60135
50501	Vekoma Rides Manufacturing B.V.*	60327
50502	Vekoma Rides Manufacturing B.V.*	60356
50504	Vekoma Rides Manufacturing B.V.*	60357
51001	Vekoma Rides Manufacturing B.V.*	60338

Table 1: Affected serial Nos.

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6063 BA VLODROP	Supersedes: -
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Details of issue continued:

## 1.1 Why this information bulletin

At an existing ride a critical connection had a complete failure resulting in a high impact of the vehicle. Due to this incident VRP&S decided to inform all ride owners that it is very important to perform their maintenance and inspection in accordance to the operation and maintenance manual (OMM). In the following paragraph some additional points of attention regarding the maintenance and inspection of all pins, spindles and yoke fittings are given.

## 1.2 Maintenance and inspection of all pins, spindles and yoke fittings

In this paragraph some additional points of attention are specified about the maintenance and inspection of all pins, spindles and yoke fittings and how to act in case the maintenance or inspection was not performed according to the OMM and additional requirements.

### 1.2.1 Repair

As specified in the OMM it is not allowed to apply any kind of modification on components without the written approval of VRP&S; this also includes repairing of pins, spindles and yoke fittings with any kind of surface coating (e.g. hard chrome plating).

For these repair procedures the component needs to be machined first which reduces the cross section and results in geometry transitions with a high stress concentration factor; higher stresses reduce the fatigue life of components and increase the probability of a failure.

After the machining process a coating is applied; this probably has a different hardness and stiffness rate which creates a high stress concentration which probably lies below the surface. The high stress reduces the fatigue life of the component and the fact that it is below the surface reduces the probability of a crack initiation to be found during NDT inspections since the crack initiation lies below the surface.

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The Netherlands	Completion Date: 14-02-2015
CoC Number: 12049585	

In case a ride is currently equipped with a pin, spindle or yoke fitting with any kind of coating of which no written approval was given by VRP&S; VRP&S recommends stopping operation with patrons of the ride system immediately and to replace the concerning parts. In case of questions contact VRP&S

### 1.2.2 Geometrical inspection

Always perform a geometrical inspection according to the inspection procedures in the OMM; this contains a check of all rejection criteria and an inspection for damages/grooves.

In case the time after the previous inspection exceeds the inspection interval in the OMM, VRP&S recommends performing the inspection as soon as possible and always before the completion date of this document.

### 1.2.3 NDT inspection

Always perform the NDT inspections according to the inspection procedures in the OMM and in the upcoming sub paragraphs.

In case the time after the previous inspection exceeds the inspection interval in the OMM, VRP&S recommends performing the inspection as soon as possible and always before the completion date of this document.

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### 1.2.3.1 Related codes and standards

Parts should be inspected according to the following standards:

**Table 2 - Inspection standards for machined parts**

Code	Section / Article	Acceptance level
EN 10228-1	Magnetic particle inspection	Class 4
EN 10228-2	Penetrant testing	Class 4

**Table 3 - Inspection standards welded parts**

NDT method	Codes (Examination)	Codes (Acceptance level)	Acceptance level
VT (Visual Testing)	ISO 17637	ISO 5817	B / C1
PT (Penetrant Testing)	ISO 3452-1	ISO 23277	1
MT (Magnetic Particle Testing)	ISO 17638	ISO 23278	1
UT (Ultrasonic Testing)	ISO 17640	ISO 11666	2
RT (Radiographic Testing)	ISO 17636	ISO 10675-2	1

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Details of issue continued:

### 1.2.3.2 Inspection procedure

- In order to check and evaluate amusement ride parts, proceed as follows:
- Remove moisture, oil, grease and dirt.
- Remove the paint, e.g. by sand blast or with the help of a liquid paint remover. Do not use steel grit blast.
- Remove any slag and spatter work (if still present) from welded joints.



#### **WARNING**

**Contact VRP&S if cracks are found.**

- Fill out all the inspections and repairs (use logbook forms) performed on parts of the amusement ride.
- Paint again.

#### **Note**

*Re-apply the rust preventive coating to all parts.*

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Details of issue continued:

**According to the ASTM F853/ F1193 latest revision:**

Supplemental bulletins delivered by the manufacturer to the owner / operator that were not provided at the time of hand over of the amusement ride and contain new information or newly recommended inspections or testing, or both, will be released as a Safety Alert, Service Bulletin or an Notification, with the following criteria in order to carry the force and effect of this practice:

- “Safety Alert”      For notifications that recommend immediate action.
- “Service Bulletin”      For notifications that do not recommend immediate action but do recommend future action.
- “Notification”      For notifications that do not necessarily recommend future action but are promulgation of information.



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