

Product Change Notice

PCN#: EE-PCN18001

01/03/2018

CLASSIFICATION OF CHANGE:

End of Life (EOL)

DESCRIPTION OF CHANGE:

Non-RoHS compliant ferrule fuses in AGC, ABC, MDL, MDA, GMA, GMC, GMD, C515, C517, C518, C519, C520 ferrule and axial leaded families, where there are RoHS compliant equivalent fuses available, have reached End of Life in standard, bulk and tape and reel packaging configurations.

REASON FOR CHANGE:

In pursuit of Eaton's sustainability goals and RoHS compliance commitment, non-RoHS compliant fuses where RoHS compliant alternatives exist have reached end of life status.

EXPECTED INFLUENCE ON QUALITY, RELIABILITY, AND PERFORMANCE:

There are no differences in the quality, reliability, or performance between RoHS compliant and non-RoHS compliant products or any changes to form, fit, and function of these fuses.

PARTS FAMILIES AFFECTED:

Fuses in AGC, ABC, MDL, MDA, GMA, GMC, GMD, C515, C517, C518, C519 and C520 families are affected by this change. Please see attached excel file for detailed list of catalog numbers, RoHS compliant catalog numbers and corresponding UPCs. Any inventory of existing product is saleable and should not be returned.

TIME SCHEDULE:

Last Time Buy Date: February 28, 2018

Last Time Shipment Date: May 31, 2018

SAMPLE AVAILABILITY:

Available upon request

QUALIFICATION DATA:

Available upon request

ISSUED BY:

Nick Stone

Product Manager – Circuit Protection

CONTACT INFORMATION:

For questions or comments, please contact your local [Eaton sales representative](#) and see Eaton's Electronics division website for more information on RoHS compliance.

Fuse Family	non RoHS compliant Catalog Number	RoHS compliant Catalog Number	UPC of RoHS compliant Catalog Number	UPC of Intermediate Packaging	UPC of Full Case Packaging
ABC	ABC-1	ABC-1-R	051712646086	30051712646087	70051712646085
ABC	ABC-1-1/2	ABC-1-1/2-R	051712646093	30051712646094	70051712646092
ABC	ABC-1-1/4	ABC-1-1/4-R	051712646109	30051712646100	70051712646108
ABC	ABC-1/10	ABC-1/10-R	051712646116	30051712646117	70051712646115
ABC	ABC-1/2	ABC-1/2-R	051712646130	30051712646131	70051712646139
ABC	ABC-1/4	ABC-1/4-R	051712646147	30051712646148	70051712646146
ABC	ABC-1/8	ABC-1/8-R	051712646154	30051712646155	70051712646153
ABC	ABC-10	ABC-10-R	051712646161	30051712646162	70051712646160
ABC	ABC-12	ABC-12-R	051712646178	30051712646179	70051712646177
ABC	ABC-13	ABC-13-R	051712646185	30051712646186	70051712646184
ABC	ABC-15	ABC-15-R	051712646192	30051712646193	70051712646191
ABC	ABC-2	ABC-2-R	051712646208	30051712646209	70051712646207
ABC	ABC-2-1/2	ABC-2-1/2-R	051712646215	30051712646216	70051712646214
ABC	ABC-20	ABC-20-R	051712646222	30051712646223	70051712646221
ABC	ABC-25	ABC-25-R	051712646239	30051712646230	70051712646238
ABC	ABC-3	ABC-3-R	051712646246	30051712646247	70051712646245
ABC	ABC-3/4	ABC-3/4-R	051712646253	30051712646254	70051712646252
ABC	ABC-3/8	ABC-3/8-R	051712646260	30051712646261	70051712646269
ABC	ABC-30	ABC-30-R	051712542487	30051712542488	70051712542486
ABC	ABC-4	ABC-4-R	051712646277	30051712646278	70051712646276
ABC	ABC-5	ABC-5-R	051712646284	30051712646285	70051712646283
ABC	ABC-6	ABC-6-R	051712646291	30051712646292	70051712646290
ABC	ABC-7	ABC-7-R	051712646307	30051712646308	70051712646306
ABC	ABC-8	ABC-8-R	051712646314	30051712646315	70051712646313
ABC	ABC-9	ABC-9-R	051712646321	30051712646322	70051712646320
ABC	ABC-V-12	ABC-V-12-R	051712645911	30051712645912	70051712645910
ABC	ABC-V-15	ABC-V-15-R	051712645935	30051712645936	70051712645934
ABC	ABC-V-20	ABC-V-20-R	051712645973	30051712645974	70051712645972
ABC	ABC-V-5	ABC-V-5-R	051712646031	30051712646032	70051712646030
ABC	BK/ABC-1	BK/ABC-1-R	051712646536	30051712646537	70051712646535
ABC	BK/ABC-1/2	BK/ABC-1/2-R	051712646550	30051712646551	70051712646559
ABC	BK/ABC-1/4	BK/ABC-1/4-R	051712646567	30051712646568	70051712646566
ABC	BK/ABC-10	BK/ABC-10-R	051712640145	30051712640146	70051712640144
ABC	BK/ABC-12	BK/ABC-12-R	051712646598	30051712646599	70051712646597
ABC	BK/ABC-15	BK/ABC-15-R	051712646611	30051712646612	70051712646610
ABC	BK/ABC-2	BK/ABC-2-R	051712646635	30051712646636	70051712646634
ABC	BK/ABC-20	BK/ABC-20-R	051712640169	30051712640160	70051712640168
ABC	BK/ABC-25	BK/ABC-25-R	051712646666	30051712646667	70051712646665
ABC	BK/ABC-3	BK/ABC-3-R	051712646673	30051712646674	70051712646672
ABC	BK/ABC-3/4	BK/ABC-3/4-R	051712646680	30051712646681	70051712646689
ABC	BK/ABC-30	BK/ABC-30-R	051712542456	30051712542457	70051712542455
ABC	BK/ABC-4	BK/ABC-4-R	051712646697	30051712646698	70051712646696
ABC	BK/ABC-5	BK/ABC-5-R	051712646703	30051712646704	70051712646702
ABC	BK/ABC-6	BK/ABC-6-R	051712646710	30051712646711	70051712646719
ABC	BK/ABC-8	BK/ABC-8-R	051712646734	30051712646735	70051712646733
ABC	BK/ABC-V-2-1/2	BK/ABC-V-2-1/2-R	051712687461	30051712687462	70051712687460
AGC	AGC-1	AGC-1-R	051712654814	30051712654815	70051712654813
AGC	AGC-1-1/2	AGC-1-1/2-R	051712654821	30051712654822	70051712654820

AGC	AGC-1-1/4	AGC-1-1/4-R	051712654838	30051712654839	70051712654837
AGC	AGC-1/10	AGC-1/10-R	051712654883	30051712654884	70051712654882
AGC	AGC-1/2	AGC-1/2-R	051712654913	30051712654914	70051712654912
AGC	AGC-1-3/4	AGC-1-3/4-R	051712654852	30051712654853	70051712654851
AGC	AGC-1/4	AGC-1/4-R	051712654951	30051712654952	70051712654950
AGC	AGC-1-6/10	AGC-1-6/10-R	051712654869	30051712654860	70051712654868
AGC	AGC-1/8	AGC-1/8-R	051712654975	30051712654976	70051712654974
AGC	AGC-1-8/10	AGC-1-8/10-R	051712654876	30051712654877	70051712654875
AGC	AGC-10	AGC-10-R	051712654982	30051712654983	70051712654981
AGC	AGC-12	AGC-12-R	051712654999	30051712654990	70051712654998
AGC	AGC-14	AGC-14-R	051712655019	30051712655010	70051712655018
AGC	AGC-15	AGC-15-R	051712655026	30051712655027	70051712655025
AGC	AGC-15/100	AGC-15/100-R	051712655033	30051712655034	70051712655032
AGC	AGC-2	AGC-2-R	051712655057	30051712655058	70051712655056
AGC	AGC-2-1/2	AGC-2-1/2-R	051712655064	30051712655065	70051712655063
AGC	AGC-2-1/4	AGC-2-1/4-R	051712655071	30051712655072	70051712655070
AGC	AGC-2/10	AGC-2/10-R	051712655088	30051712655089	70051712655087
AGC	AGC-20	AGC-20-R	051712655095	30051712655096	70051712655094
AGC	AGC-25	AGC-25-R	051712655101	30051712655102	70051712655100
AGC	AGC-3	AGC-3-R	051712655118	30051712655119	70051712655117
AGC	AGC-3-1/2	AGC-3-1/2-R	051712655125	30051712655126	70051712655124
AGC	AGC-3/10	AGC-3/10-R	051712655149	30051712655140	70051712655148
AGC	AGC-3/16	AGC-3/16-R	051712655156	30051712655157	70051712655155
AGC	AGC-3-2/10	AGC-3-2/10-R	051712655132	30051712655133	70051712655131
AGC	AGC-3/4	AGC-3/4-R	051712655163	30051712655164	70051712655162
AGC	AGC-3/8	AGC-3/8-R	051712655170	30051712655171	70051712655179
AGC	AGC-30	AGC-30-R	051712655187	30051712655188	70051712655186
AGC	AGC-35	AGC-35-R	051712504287	30051712504288	70051712504286
AGC	AGC-4	AGC-4-R	051712655194	30051712655195	70051712655193
AGC	AGC-4/10	AGC-4/10-R	051712655217	30051712655218	70051712655216
AGC	AGC-40	AGC-40-R	051712504270	30051712504271	70051712504279
AGC	AGC-45/100	AGC-45/100-R	051712655224	30051712655225	70051712655223
AGC	AGC-5	AGC-5-R	051712655231	30051712655232	70051712655230
AGC	AGC-6	AGC-6-R	051712655248	30051712655249	70051712655247
AGC	AGC-6-1/4	AGC-6-1/4-R	051712655255	30051712655256	70051712655254
AGC	AGC-6/10	AGC-6/10-R	051712655262	30051712655263	70051712655261
AGC	AGC-7	AGC-7-R	051712655279	30051712655270	70051712655278
AGC	AGC-7-1/2	AGC-7-1/2-R	051712655286	30051712655287	70051712655285
AGC	AGC-8	AGC-8-R	051712655293	30051712655294	70051712655292
AGC	AGC-8/10	AGC-8/10-R	051712655309	30051712655300	70051712655308
AGC	AGC-9	AGC-9-R	051712655316	30051712655317	70051712655315
AGC	AGC-V-1	AGC-V-1-R	051712654357	30051712654358	70051712654356
AGC	AGC-V-1-1/2	AGC-V-1-1/2-R	051712654364	30051712654365	70051712654363
AGC	AGC-V-1/16	AGC-V-1/16-R	051712654425	30051712654426	70051712654424
AGC	AGC-V-10	AGC-V-10-R	051712654494	30051712654495	70051712654493
AGC	AGC-V-15/100	AGC-V-15/100-R	051712654531	30051712654532	70051712654530
AGC	AGC-V-175/1000	AGC-V-175/1000R	051712654548	30051712654549	70051712654547
AGC	AGC-V-2	AGC-V-2-R	051712654555	30051712654556	70051712654554
AGC	AGC-V-2-1/4	AGC-V-2-1/4-R	051712654579	30051712654570	70051712654578
AGC	AGC-V-3/4	AGC-V-3/4-R	051712654661	30051712654662	70051712654660

AGC	BK/AGC-1	BK/AGC-1-R	051712655965	30051712655966	70051712655964
AGC	BK/AGC-1-1/2	BK/AGC-1-1/2-R	051712655972	30051712655973	70051712655971
AGC	BK/AGC-1-1/4	BK/AGC-1-1/4-R	051712655989	30051712655980	70051712655988
AGC	BK/AGC-1/10	BK/AGC-1/10-R	051712656030	30051712656031	70051712656039
AGC	BK/AGC-1/2	BK/AGC-1/2-R	051712656115	30051712656116	70051712656114
AGC	BK/AGC-1/4	BK/AGC-1/4-R	051712656153	30051712656154	70051712656152
AGC	BK/AGC-1/8	BK/AGC-1/8-R	051712656177	30051712656178	70051712656176
AGC	BK/AGC-10	BK/AGC-10-R	051712656184	30051712656185	70051712656183
AGC	BK/AGC-12	BK/AGC-12-R	051712656191	30051712656192	70051712656190
AGC	BK/AGC-14	BK/AGC-14-R	051712656207	30051712656208	70051712656206
AGC	BK/AGC-15	BK/AGC-15-R	051712656214	30051712656215	70051712656213
AGC	BK/AGC-15/100	BK/AGC-15/100-R	051712656221	30051712656222	70051712656220
AGC	BK/AGC-2	BK/AGC-2-R	051712656245	30051712656246	70051712656244
AGC	BK/AGC-2-1/2	BK/AGC-2-1/2-R	051712656252	30051712656253	70051712656251
AGC	BK/AGC-2-1/4	BK/AGC-2-1/4-R	051712656269	30051712656260	70051712656268
AGC	BK/AGC-2/10	BK/AGC-2/10-R	051712656276	30051712656277	70051712656275
AGC	BK/AGC-20	BK/AGC-20-R	051712656283	30051712656284	70051712656282
AGC	BK/AGC-25	BK/AGC-25-R	051712656290	30051712656291	70051712656299
AGC	BK/AGC-3	BK/AGC-3-R	051712656306	30051712656307	70051712656305
AGC	BK/AGC-3-1/2	BK/AGC-3-1/2-R	051712656313	30051712656314	70051712656312
AGC	BK/AGC-3/10	BK/AGC-3/10-R	051712656337	30051712656338	70051712656336
AGC	BK/AGC-3/16	BK/AGC-3/16-R	051712656344	30051712656345	70051712656343
AGC	BK/AGC-3/4	BK/AGC-3/4-R	051712656351	30051712656352	70051712656350
AGC	BK/AGC-30	BK/AGC-30-R	051712656375	30051712656376	70051712656374
AGC	BK/AGC-35	BK/AGC-35-R	051712204187	30051712204188	70051712204186
AGC	BK/AGC-4	BK/AGC-4-R	051712656382	30051712656383	70051712656381
AGC	BK/AGC-40	BK/AGC-40-R	051712204194	30051712204195	70051712204193
AGC	BK/AGC-5	BK/AGC-5-R	051712656405	30051712656406	70051712656404
AGC	BK/AGC-6	BK/AGC-6-R	051712656412	30051712656413	70051712656411
AGC	BK/AGC-7	BK/AGC-7-R	051712656443	30051712656444	70051712656442
AGC	BK/AGC-7-1/2	BK/AGC-7-1/2-R	051712656450	30051712656451	70051712656459
AGC	BK/AGC-8	BK/AGC-8-R	051712656467	30051712656468	70051712656466
AGC	BK/AGC-8/10	BK/AGC-8/10-R	051712656474	30051712656475	70051712656473
AGC	BK/AGC-9	BK/AGC-9-R	051712656481	30051712656482	70051712656480
AGC	BK/AGC-B-1/4	BK/AGC-B-1/4-R	051712545815	30051712545816	70051712545814
AGC	BK/AGC-B-2	BK/AGC-B-2-R	051712545822	30051712545823	70051712545821
AGC	BK/AGC-B-5	BK/AGC-B-5-R	051712545839	30051712545830	70051712545838
AGC	BK/AGC-V-1/16	BK/AGC-V-1/16-R	051712655408	30051712655409	70051712655407
AGC	BK/AGC-V-.175	BK/AGC-V-.175-R	051712655323	30051712655324	70051712655322
AGC	BK/AGC-V-2-1/4	BK/AGC-V-2-1/4R	051712655538	30051712655539	70051712655537
AGC	BK/AGC-V-3	BK/AGC-V-3-R	051712655576	30051712655577	70051712655575
MDA	BK/MDA-1	BK/MDA-1-R	051712657020	30051712657021	70051712657029
MDA	BK/MDA-1-1/4	BK/MDA-1-1/4-R	051712657044	30051712657045	70051712657043
MDA	BK/MDA-1/2	BK/MDA-1/2-R	051712657099	30051712657090	70051712657098
MDA	BK/MDA-10	BK/MDA-10-R	051712657129	30051712657120	70051712657128
MDA	BK/MDA-12	BK/MDA-12-R	051712657136	30051712657137	70051712657135
MDA	BK/MDA-15	BK/MDA-15-R	051712657143	30051712657144	70051712657142
MDA	BK/MDA-2	BK/MDA-2-R	051712657150	30051712657151	70051712657159
MDA	BK/MDA-2-1/2	BK/MDA-2-1/2-R	051712657167	30051712657168	70051712657166
MDA	BK/MDA-20	BK/MDA-20-R	051712540827	30051712540828	70051712540826

MDA	BK/MDA-25A	BK/MDA-25-R	051712540834	30051712540835	70051712540833
MDA	BK/MDA-25A-R	BK/MDA-25-R	051712540834	30051712540835	70051712540833
MDA	BK/MDA-3	BK/MDA-3-R	051712657198	30051712657199	70051712657197
MDA	BK/MDA-3-2/10	BK/MDA-3-2/10-R	051712657204	30051712657205	70051712657203
MDA	BK/MDA-30A	BK/MDA-30-R	051712541008	30051712541009	70051712541007
MDA	BK/MDA-30A-R	BK/MDA-30-R	051712541008	30051712541009	70051712541007
MDA	BK/MDA-4	BK/MDA-4-R	051712657228	30051712657229	70051712657227
MDA	BK/MDA-5	BK/MDA-5-R	051712657242	30051712657243	70051712657241
MDA	BK/MDA-6	BK/MDA-6-R	051712657259	30051712657250	70051712657258
MDA	BK/MDA-6-1/4	BK/MDA-6-1/4-R	051712657266	30051712657267	70051712657265
MDA	BK/MDA-6/10	BK/MDA-6/10-R	051712657273	30051712657274	70051712657272
MDA	BK/MDA-7	BK/MDA-7-R	051712657280	30051712657281	70051712657289
MDA	BK/MDA-8	BK/MDA-8-R	051712657297	30051712657298	70051712657296
MDA	BK/MDA-V-20	BK/MDA-V-20-R	051712542432	30051712542433	70051712542431
MDA	BK/MDA-V-25A-R	BK/MDA-V-25-R	051712540841	30051712540842	70051712540840
MDA	BK/MDA-V-30A	BK/MDA-V-30-R	051712540995	30051712540996	70051712540994
MDA	BK/MDA-V-30A-R	BK/MDA-V-30-R	051712540995	30051712540996	70051712540994
MDA	BK/MDA-V-8	BK/MDA-V-8-R	051712657006	30051712657007	70051712657005
MDL	BK/MDL-1	BK/MDL-1-R	051712652797	30051712652798	70051712652796
MDL	BK/MDL-1-1/2	BK/MDL-1-1/2-R	051712652803	30051712652804	70051712652802
MDL	BK/MDL-1-1/4	BK/MDL-1-1/4-R	051712652810	30051712652811	70051712652819
MDL	BK/MDL-1/16	BK/MDL-1/16-R	051712652889	30051712652880	70051712652888
MDL	BK/MDL-1/2	BK/MDL-1/2-R	051712652896	30051712652897	70051712652895
MDL	BK/MDL-1/4	BK/MDL-1/4-R	051712652926	30051712652927	70051712652925
MDL	BK/MDL-1-6/10	BK/MDL-1-6/10-R	051712652841	30051712652842	70051712652840
MDL	BK/MDL-1/8	BK/MDL-1/8-R	051712652933	30051712652934	70051712652932
MDL	BK/MDL-1-8/10	BK/MDL-1-8/10-R	051712652858	30051712652859	70051712652857
MDL	BK/MDL-10	BK/MDL-10-R	051712652940	30051712652941	70051712652949
MDL	BK/MDL-12	BK/MDL-12-R	051712649520	30051712649521	70051712649529
MDL	BK/MDL-15	BK/MDL-15-R	051712649537	30051712649538	70051712649536
MDL	BK/MDL-175/1000	BK/MDL175/1000R	051712652957	30051712652958	70051712652956
MDL	BK/MDL-2	BK/MDL-2-R	051712652964	30051712652965	70051712652963
MDL	BK/MDL-2-1/2	BK/MDL-2-1/2-R	051712652971	30051712652972	70051712652970
MDL	BK/MDL-20	BK/MDL-20-R	051712649551	30051712649552	70051712649550
MDL	BK/MDL-3	BK/MDL-3-R	051712653022	30051712653023	70051712653021
MDL	BK/MDL-3-1/2	BK/MDL-3-1/2-R	051712653039	30051712653030	70051712653038
MDL	BK/MDL-3-2/10	BK/MDL-3-2/10-R	051712653046	30051712653047	70051712653045
MDL	BK/MDL-3/4	BK/MDL-3/4-R	051712653077	30051712653078	70051712653076
MDL	BK/MDL-4	BK/MDL-4-R	051712653091	30051712653092	70051712653090
MDL	BK/MDL-5	BK/MDL-5-R	051712653114	30051712653115	70051712653113
MDL	BK/MDL-6	BK/MDL-6-R	051712653121	30051712653122	70051712653120
MDL	BK/MDL-6-1/4	BK/MDL-6-1/4-R	051712653138	30051712653139	70051712653137
MDL	BK/MDL-6/10	BK/MDL-6/10-R	051712653145	30051712653146	70051712653144
MDL	BK/MDL-7	BK/MDL-7-R	051712653152	30051712653153	70051712653151
MDL	BK/MDL-7-1/2	BK/MDL-7-1/2-R	051712653169	30051712653160	70051712653168
MDL	BK/MDL-8	BK/MDL-8-R	051712653183	30051712653184	70051712653182
MDL	BK/MDL-V-12	BK/MDL-V-12-R	051712649506	30051712649507	70051712649505
MDL	BK/MDL-V-.175	BK/MDL-V-.175-R	051712652407	30051712652408	70051712652406
MDL	BK/MDL-V-20	BK/MDL-V-20-R	051712649544	30051712649545	70051712649543
MDA	MDA-1	MDA-1-R	051712645089	30051712645080	70051712645088

MDA	MDA-1-1/2	MDA-1-1/2-R	051712645096	30051712645097	70051712645095
MDA	MDA-1-1/4	MDA-1-1/4-R	051712645102	30051712645103	70051712645101
MDA	MDA-1/10	MDA-1/10-R	051712645126	30051712645127	70051712645125
MDA	MDA-1/2	MDA-1/2-R	051712645140	30051712645141	70051712645149
MDA	MDA-1/4	MDA-1/4-R	051712645164	30051712645165	70051712645163
MDA	MDA-1-6/10	MDA-1-6/10-R	051712645119	30051712645110	70051712645118
MDA	MDA-10	MDA-10-R	051712645188	30051712645189	70051712645187
MDA	MDA-12	MDA-12-R	051712645195	30051712645196	70051712645194
MDA	MDA-15	MDA-15-R	051712645201	30051712645202	70051712645200
MDA	MDA-2	MDA-2-R	051712645225	30051712645226	70051712645224
MDA	MDA-2-1/2	MDA-2-1/2-R	051712645232	30051712645233	70051712645231
MDA	MDA-2-8/10	MDA-2-8/10-R	051712645249	30051712645240	70051712645248
MDA	MDA-20	MDA-20-R	051712542494	30051712542495	70051712542493
MDA	MDA-25A	MDA-25-R	051712542500	30051712542501	70051712542509
MDA	MDA-3	MDA-3-R	051712645263	30051712645264	70051712645262
MDA	MDA-3/10	MDA-3/10-R	051712645287	30051712645288	70051712645286
MDA	MDA-3-2/10	MDA-3-2/10-R	051712645270	30051712645271	70051712645279
MDA	MDA-3/4	MDA-3/4-R	051712645294	30051712645295	70051712645293
MDA	MDA-3/8	MDA-3/8-R	051712645300	30051712645301	70051712645309
MDA	MDA-30A	MDA-30-R	051712542517	30051712542518	70051712542516
MDA	MDA-4	MDA-4-R	051712645317	30051712645318	70051712645316
MDA	MDA-4/10	MDA-4/10-R	051712645331	30051712645332	70051712645330
MDA	MDA-5	MDA-5-R	051712645348	30051712645349	70051712645347
MDA	MDA-6	MDA-6-R	051712645355	30051712645356	70051712645354
MDA	MDA-6-1/4	MDA-6-1/4-R	051712645362	30051712645363	70051712645361
MDA	MDA-6/10	MDA-6/10-R	051712645379	30051712645370	70051712645378
MDA	MDA-7	MDA-7-R	051712645386	30051712645387	70051712645385
MDA	MDA-8	MDA-8-R	051712645393	30051712645394	70051712645392
MDA	MDA-8/10	MDA-8/10-R	051712645409	30051712645400	70051712645408
MDA	MDA-V-1-1/2	MDA-V-1-1/2-R	051712644914	30051712644915	70051712644913
MDA	MDA-V-1/4	MDA-V-1/4-R	051712644815	30051712644816	70051712644814
MDA	MDA-V-12	MDA-V-12-R	051712645065	30051712645066	70051712645064
MDA	MDA-V-15	MDA-V-15-R	051712645072	30051712645073	70051712645071
MDA	MDA-V-20	MDA-V-20-R	051712542548	30051712542549	70051712542547
MDL	MDL-1	MDL-1-R	051712651998	30051712651999	70051712651997
MDL	MDL-1-1/2	MDL-1-1/2-R	051712652018	30051712652019	70051712652017
MDL	MDL-1-1/4	MDL-1-1/4-R	051712652025	30051712652026	70051712652024
MDL	MDL-1/10	MDL-1/10-R	051712652063	30051712652064	70051712652062
MDL	MDL-1/16	MDL-1/16-R	051712652087	30051712652088	70051712652086
MDL	MDL-1/2	MDL-1/2-R	051712652094	30051712652095	70051712652093
MDL	MDL-1/4	MDL-1/4-R	051712652117	30051712652118	70051712652116
MDL	MDL-1-6/10	MDL-1-6/10-R	051712652049	30051712652040	70051712652048
MDL	MDL-1/8	MDL-1/8-R	051712652124	30051712652125	70051712652123
MDL	MDL-10	MDL-10-R	051712652131	30051712652132	70051712652130
MDL	MDL-12	MDL-12-R	051712656566	30051712656567	70051712656565
MDL	MDL-15	MDL-15-R	051712656573	30051712656574	70051712656572
MDL	MDL-175/1000	MDL-175/1000-R	051712652148	30051712652149	70051712652147
MDL	MDL-2	MDL-2-R	051712652155	30051712652156	70051712652154
MDL	MDL-2-1/2	MDL-2-1/2-R	051712652162	30051712652163	70051712652161
MDL	MDL-2-1/4	MDL-2-1/4-R	051712652179	30051712652170	70051712652178

MDL	MDL-2-8/10	MDL-2-8/10-R	051712652186	30051712652187	70051712652185
MDL	MDL-3	MDL-3-R	051712652209	30051712652200	70051712652208
MDL	MDL-3-1/2	MDL-3-1/2-R	051712652216	30051712652217	70051712652215
MDL	MDL-3/10	MDL-3/10-R	051712652230	30051712652231	70051712652239
MDL	MDL-3/16	MDL-3/16-R	051712652247	30051712652248	70051712652246
MDL	MDL-3-2/10	MDL-3-2/10-R	051712652223	30051712652224	70051712652222
MDL	MDL-3/4	MDL-3/4-R	051712652261	30051712652262	70051712652260
MDL	MDL-3/8	MDL-3/8-R	051712652278	30051712652279	70051712652277
MDL	MDL-4	MDL-4-R	051712652285	30051712652286	70051712652284
MDL	MDL-4/10	MDL-4/10-R	051712652292	30051712652293	70051712652291
MDL	MDL-5	MDL-5-R	051712652308	30051712652309	70051712652307
MDL	MDL-6	MDL-6-R	051712652315	30051712652316	70051712652314
MDL	MDL-6-1/4	MDL-6-1/4-R	051712652322	30051712652323	70051712652321
MDL	MDL-6/10	MDL-6/10-R	051712652339	30051712652330	70051712652338
MDL	MDL-7	MDL-7-R	051712652346	30051712652347	70051712652345
MDL	MDL-7-1/2	MDL-7-1/2-R	051712652353	30051712652354	70051712652352
MDL	MDL-8	MDL-8-R	051712652377	30051712652378	70051712652376
MDL	MDL-8/10	MDL-8/10-R	051712652384	30051712652385	70051712652383
MDL	MDL-9	MDL-9-R	051712652391	30051712652392	70051712652390
MDL	MDL-V-1/10	MDL-V-1/10-R	051712651660	30051712651661	70051712651669
MDL	MDL-V-1/16	MDL-V-1/16-R	051712651684	30051712651685	70051712651683
MDL	MDL-V-1-2/10	MDL-V-1-2/10-R	051712651639	30051712651630	70051712651638
MDL	MDL-V-12	MDL-V-12-R	051712656597	30051712656598	70051712656596
MDL	MDL-V-15	MDL-V-15-R	051712656603	30051712656604	70051712656602
MDL	MDL-V-2	MDL-V-2-R	051712651769	30051712651760	70051712651768
MDL	MDL-V-20	MDL-V-20-R	051712656610	30051712656611	70051712656619
MDA	TR/MDA-V-15	TR/MDA-V-15-R	051712657389	30051712657380	70051712657388
MDA	TR/MDA-V-20	TR/MDA-V-20-R	051712542418	30051712542419	70051712542417
MDA	TR1/MDA-V-20	TR1/MDA-V-20-R	051712542425	30051712542426	70051712542424
GMA	BK/GMA-1.5A	BK/GMA-1.5-R	051712647175	30051712647176	70051712647174
GMA	BK/GMA-1.6A	BK/GMA-1.6-R	051712647182	30051712647183	70051712647181
GMA	BK/GMA-100MA	BK/GMA-100-R	051712647212	30051712647213	70051712647211
GMA	BK/GMA-10A	BK/GMA-10-R	051712647205	30051712647206	70051712647204
GMA	BK/GMA-125MA	BK/GMA-125-R	051712647229	30051712647220	70051712647228
GMA	BK/GMA-15A	BK/GMA-15-R	051712647236	30051712647237	70051712647235
GMA	BK/GMA-1A	BK/GMA-1-R	051712647199	30051712647190	70051712647198
GMA	BK/GMA-2.5A	BK/GMA-2.5-R	051712647243	30051712647244	70051712647242
GMA	BK/GMA-250MA	BK/GMA-250-R	051712647274	30051712647275	70051712647273
GMA	BK/GMA-2A	BK/GMA-2-R	051712647250	30051712647251	70051712647259
GMA	BK/GMA-3.15A	BK/GMA-3.15-R	051712647281	30051712647282	70051712647280
GMA	BK/GMA-3.5A	BK/GMA-3.5-R	051712647298	30051712647299	70051712647297
GMA	BK/GMA-300MA	BK/GMA-300-R	051712647311	30051712647312	70051712647310
GMA	BK/GMA-315MA	BK/GMA-315-R	051712647328	30051712647329	70051712647327
GMA	BK/GMA-3A	BK/GMA-3-R	051712647304	30051712647305	70051712647303
GMA	BK/GMA-4A	BK/GMA-4-R	051712647335	30051712647336	70051712647334
GMA	BK/GMA-500MA	BK/GMA-500-R	051712647359	30051712647350	70051712647358
GMA	BK/GMA-5A	BK/GMA-5-R	051712647342	30051712647343	70051712647341
GMA	BK/GMA-63MA	BK/GMA-63-R	051712647380	30051712647381	70051712647389
GMA	BK/GMA-6A	BK/GMA-6-R	051712647366	30051712647367	70051712647365
GMA	BK/GMA-750MA	BK/GMA-750-R	051712647403	30051712647404	70051712647402

GMA	BK/GMA-7A	BK/GMA-7-R	051712647397	30051712647398	70051712647396
GMA	BK/GMA-800MA	BK/GMA-800-R	051712647427	30051712647428	70051712647426
GMA	BK/GMA-8A	BK/GMA-8-R	051712647410	30051712647411	70051712647419
GMC	BK/GMC-1.5A	BK/GMC-1.5-R	051712642088	30051712642089	70051712642087
GMC	BK/GMC-100MA	BK/GMC-100-R	051712642125	30051712642126	70051712642124
GMC	BK/GMC-10A	BK/GMC-10-R	051712642118	30051712642119	70051712642117
GMC	BK/GMC-125MA	BK/GMC-125-R	051712642132	30051712642133	70051712642131
GMC	BK/GMC-1A	BK/GMC-1-R	051712642101	30051712642102	70051712642100
GMC	BK/GMC-200MA	BK/GMC-200-R	051712642170	30051712642171	70051712642179
GMC	BK/GMC-250MA	BK/GMC-250-R	051712642187	30051712642188	70051712642186
GMC	BK/GMC-2A	BK/GMC-2-R	051712642163	30051712642164	70051712642162
GMC	BK/GMC-3.15A	BK/GMC-3.15-R	051712642194	30051712642195	70051712642193
GMC	BK/GMC-3.5A	BK/GMC-3.5-R	051712642200	30051712642201	70051712642209
GMC	BK/GMC-300MA	BK/GMC-300-R	051712642224	30051712642225	70051712642223
GMC	BK/GMC-315MA	BK/GMC-315-R	051712642231	30051712642232	70051712642230
GMC	BK/GMC-3A	BK/GMC-3-R	051712642217	30051712642218	70051712642216
GMC	BK/GMC-400MA	BK/GMC-400-R	051712642262	30051712642263	70051712642261
GMC	BK/GMC-4A	BK/GMC-4-R	051712642248	30051712642249	70051712642247
GMC	BK/GMC-500MA	BK/GMC-500-R	051712642286	30051712642287	70051712642285
GMC	BK/GMC-5A	BK/GMC-5-R	051712642279	30051712642270	70051712642278
GMC	BK/GMC-6A	BK/GMC-6-R	051712642309	30051712642300	70051712642308
GMC	BK/GMC-750MA	BK/GMC-750-R	051712642354	30051712642355	70051712642353
GMC	BK/GMC-7A	BK/GMC-7-R	051712642347	30051712642348	70051712642346
GMC	BK/GMC-8A	BK/GMC-8-R	051712642361	30051712642362	70051712642360
GMD	BK/GMD-1.25A	BK/GMD-1.25-R	051712657600	30051712657601	70051712657609
GMD	BK/GMD-1.5A	BK/GMD-1.5-R	051712657617	30051712657618	70051712657616
GMD	BK/GMD-1.6A	BK/GMD-1.6-R	051712657624	30051712657625	70051712657623
GMD	BK/GMD-125MA	BK/GMD-125-R	051712657648	30051712657649	70051712657647
GMD	BK/GMD-150MA	BK/GMD-150-R	051712657655	30051712657656	70051712657654
GMD	BK/GMD-1A	BK/GMD-1-R	051712657631	30051712657632	70051712657630
GMD	BK/GMD-2.5A	BK/GMD-2.5-R	051712657662	30051712657663	70051712657661
GMD	BK/GMD-200MA	BK/GMD-200-R	051712657686	30051712657687	70051712657685
GMD	BK/GMD-250MA	BK/GMD-250-R	051712657693	30051712657694	70051712657692
GMD	BK/GMD-2A	BK/GMD-2-R	051712657679	30051712657670	70051712657678
GMD	BK/GMD-300MA	BK/GMD-300-R	051712657716	30051712657717	70051712657715
GMD	BK/GMD-3A	BK/GMD-3-R	051712657709	30051712657700	70051712657708
GMD	BK/GMD-400MA	BK/GMD-400-R	051712657747	30051712657748	70051712657746
GMD	BK/GMD-500MA	BK/GMD-500-R	051712657754	30051712657755	70051712657753
GMD	BK/GMD-800MA	BK/GMD-800-R	051712657792	30051712657793	70051712657791
GMA	GMA-1.25A	GMA-1.25-R	051712647809	30051712647800	70051712647808
GMA	GMA-1.5A	GMA-1.5-R	051712647816	30051712647817	70051712647815
GMA	GMA-1.6A	GMA-1.6-R	051712647823	30051712647824	70051712647822
GMA	GMA-100MA	GMA-100-R	051712647854	30051712647855	70051712647853
GMA	GMA-10A	GMA-10-R	051712647847	30051712647848	70051712647846
GMA	GMA-125MA	GMA-125-R	051712647861	30051712647862	70051712647860
GMA	GMA-15A	GMA-15-R	051712647878	30051712647879	70051712647877
GMA	GMA-1A	GMA-1-R	051712647830	30051712647831	70051712647839
GMA	GMA-2.5A	GMA-2.5-R	051712647885	30051712647886	70051712647884
GMA	GMA-200MA	GMA-200-R	051712647908	30051712647909	70051712647907
GMA	GMA-250MA	GMA-250-R	051712647915	30051712647916	70051712647914

GMA	GMA-2A	GMA-2-R	051712647892	30051712647893	70051712647891
GMA	GMA-3.15A	GMA-3.15-R	051712647922	30051712647923	70051712647921
GMA	GMA-3.5A	GMA-3.5-R	051712647939	30051712647930	70051712647938
GMA	GMA-300MA	GMA-300-R	051712647953	30051712647954	70051712647952
GMA	GMA-315MA	GMA-315-R	051712647960	30051712647961	70051712647969
GMA	GMA-3A	GMA-3-R	051712647946	30051712647947	70051712647945
GMA	GMA-4A	GMA-4-R	051712647977	30051712647978	70051712647976
GMA	GMA-500MA	GMA-500-R	051712647991	30051712647992	70051712647990
GMA	GMA-5A	GMA-5-R	051712647984	30051712647985	70051712647983
GMA	GMA-600MA	GMA-600-R	051712648028	30051712648029	70051712648027
GMA	GMA-63MA	GMA-63-R	051712648035	30051712648036	70051712648034
GMA	GMA-6A	GMA-6-R	051712648011	30051712648012	70051712648010
GMA	GMA-750MA	GMA-750-R	051712648059	30051712648050	70051712648058
GMA	GMA-7A	GMA-7-R	051712648042	30051712648043	70051712648041
GMA	GMA-800MA	GMA-800-R	051712648073	30051712648074	70051712648072
GMA	GMA-8A	GMA-8-R	051712648066	30051712648067	70051712648065
GMC	GMC-1.25A	GMC-1.25-R	051712642781	30051712642782	70051712642780
GMC	GMC-1.5A	GMC-1.5-R	051712642798	30051712642799	70051712642797
GMC	GMC-1.6A	GMC-1.6-R	051712642804	30051712642805	70051712642803
GMC	GMC-100MA	GMC-100-R	051712642835	30051712642836	70051712642834
GMC	GMC-10A	GMC-10-R	051712642828	30051712642829	70051712642827
GMC	GMC-125MA	GMC-125-R	051712642842	30051712642843	70051712642841
GMC	GMC-150MA	GMC-150-R	051712642859	30051712642850	70051712642858
GMC	GMC-1A	GMC-1-R	051712642811	30051712642812	70051712642810
GMC	GMC-2.5A	GMC-2.5-R	051712642866	30051712642867	70051712642865
GMC	GMC-200MA	GMC-200-R	051712642880	30051712642881	70051712642889
GMC	GMC-250MA	GMC-250-R	051712642897	30051712642898	70051712642896
GMC	GMC-2A	GMC-2-R	051712642873	30051712642874	70051712642872
GMC	GMC-3.15A	GMC-3.15-R	051712642903	30051712642904	70051712642902
GMC	GMC-3.5A	GMC-3.5-R	051712642910	30051712642911	70051712642919
GMC	GMC-300MA	GMC-300-R	051712642934	30051712642935	70051712642933
GMC	GMC-315MA	GMC-315-R	051712642941	30051712642942	70051712642940
GMC	GMC-3A	GMC-3-R	051712642927	30051712642928	70051712642926
GMC	GMC-400MA	GMC-400-R	051712642965	30051712642966	70051712642964
GMC	GMC-4A	GMC-4-R	051712642958	30051712642959	70051712642957
GMC	GMC-500MA	GMC-500-R	051712642989	30051712642980	70051712642988
GMC	GMC-5A	GMC-5-R	051712642972	30051712642973	70051712642971
GMC	GMC-6.3A	GMC-500-R	051712642989	30051712642980	70051712642988
GMC	GMC-600MA	GMC-600-R	051712643023	30051712643024	70051712643022
GMC	GMC-630MA	GMC-630-R	051712643047	30051712643048	70051712643046
GMC	GMC-63MA	GMC-63-R	051712643030	30051712643031	70051712643039
GMC	GMC-6A	GMC-6-R	051712643016	30051712643017	70051712643015
GMC	GMC-750MA	GMC-750-R	051712643061	30051712643062	70051712643060
GMC	GMC-7A	GMC-7-R	051712643054	30051712643055	70051712643053
GMC	GMC-800MA	GMC-800-R	051712643092	30051712643093	70051712643091
GMC	GMC-80MA	GMC-80-R	051712643085	30051712643086	70051712643084
GMC	GMC-8A	GMC-8-R	051712643078	30051712643079	70051712643077
GMD	GMD-1.25A	GMD-1.25-R	051712657808	30051712657809	70051712657807
GMD	GMD-1.5A	GMD-1.5-R	051712657815	30051712657816	70051712657814
GMD	GMD-1.6A	GMD-1.6-R	051712657822	30051712657823	70051712657821

GMD	GMD-125MA	GMD-125-R	051712657846	30051712657847	70051712657845
GMD	GMD-150MA	GMD-150-R	051712657853	30051712657854	70051712657852
GMD	GMD-1A	GMD-1-R	051712657839	30051712657830	70051712657838
GMD	GMD-2.5A	GMD-2.5-R	051712657860	30051712657861	70051712657869
GMD	GMD-200MA	GMD-200-R	051712657884	30051712657885	70051712657883
GMD	GMD-250MA	GMD-250-R	051712657891	30051712657892	70051712657890
GMD	GMD-2A	GMD-2-R	051712657877	30051712657878	70051712657876
GMD	GMD-300MA	GMD-300-R	051712657914	30051712657915	70051712657913
GMD	GMD-315MA	GMD-315-R	051712657921	30051712657922	70051712657920
GMD	GMD-3A	GMD-3-R	051712657907	30051712657908	70051712657906
GMD	GMD-400MA	GMD-400-R	051712657945	30051712657946	70051712657944
GMD	GMD-4A	GMD-4-R	051712657938	30051712657939	70051712657937
GMD	GMD-500MA	GMD-500-R	051712657952	30051712657953	70051712657951
GMD	GMD-600MA	GMD-600-R	051712657969	30051712657960	70051712657968
GMD	GMD-630MA	GMD-630-R	051712657976	30051712657977	70051712657975
GMD	GMD-750MA	GMD-750-R	051712657983	30051712657984	70051712657982
GMD	GMD-800MA	GMD-800-R	051712657990	30051712657991	70051712657999
C515	BK/C515-2A	BK/C515-2-R	051712650496	30051712650497	70051712650495
C515	BK/C515-350MA	BK/C515-350-R	051712650540	30051712650541	70051712650549
C515	BK/C515-3A	BK/C515-3-R	051712650533	30051712650534	70051712650532
C517	BK/C517-3A	BK/C517-3-R	051712640411	30051712640412	70051712640410
C518	BK/C518-750MA	BK/C518-750-R	051712640978	30051712640979	70051712640977
C519	BK/C519-1.5A	BK/C519-1.5-R	051712640657	30051712640658	70051712640656
C519	BK/C519-1A	BK/C519-1-R	051712640671	30051712640672	70051712640670
C519	BK/C519-2.5A	BK/C519-2.5-R	051712640718	30051712640719	70051712640717
C519	BK/C519-250MA	BK/C519-250-R	051712640732	30051712640733	70051712640731
C519	BK/C519-2A	BK/C519-2-R	051712640725	30051712640726	70051712640724
C519	BK/C519-3A	BK/C519-3-R	051712640756	30051712640757	70051712640755
C519	BK/C519-500MA	BK/C519-500-R	051712640817	30051712640818	70051712640816
C519	BK/C519-5A	BK/C519-5-R	051712640794	30051712640795	70051712640793
C520	BK/C520-125MA	BK/C520-125-R	051712641517	30051712641518	70051712641516
C520	BK/C520-250MA	BK/C520-250-R	051712641548	30051712641549	70051712641547
C520	BK/C520-2A	BK/C520-2-R	051712641531	30051712641532	70051712641530
C520	BK/C520-375MA	BK/C520-375-R	051712641579	30051712641570	70051712641578
C520	BK/C520-3A	BK/C520-3-R	051712641562	30051712641563	70051712641561
C520	BK/C520-500MA	BK/C520-500-R	051712641609	30051712641600	70051712641608
C520	BK/C520-5A	BK/C520-5-R	051712641593	30051712641594	70051712641592
C515	TR2/C515-1.25A	TR2/C515-1.25-R	051712650892	30051712650893	70051712650891
C515	TR2/C515-1.5A	TR2/C515-1.5-R	051712650915	30051712650916	70051712650914
C515	TR2/C515-1A	TR2/C515-1-R	051712650939	30051712650930	70051712650938
C515	TR2/C515-2.25A	TR2/C515-2.25-R	051712651028	30051712651029	70051712651027
C515	TR2/C515-3.5A	TR2/C515-3.5-R	051712651066	30051712651067	70051712651065
C515	TR2/C515-3A	TR2/C515-3-R	051712651073	30051712651074	70051712651072
C515	TR2/C515-5A	TR2/C515-5-R	051712651110	30051712651111	70051712651119
C515	TR2/C515-600MA	TR2/C515-600-R	051712651141	30051712651142	70051712651140
C515	TR2/C515S-1.25A	TR2/C515S-1.25R	051712651189	30051712651180	70051712651188
C515	TR2/C515S-1.5A	TR2/C515S-1.5-R	051712651196	30051712651197	70051712651195
C518	TR2/C518-4A	TR2/C518-4-R	051712641227	30051712641228	70051712641226