

Commonwealth Automobile Reinsurers

Private Passenger Types
Liability Coverages for Which Rates Vary by Territory

Coverage	(1)	(2)	(3)	(4)		(5)	(6)	(7)	(8)	(9)	
	Fleet Average Loss Pure Prem (Form 100)	Non-Fleet Average Loss Pure Prem (Form 100)	Territory Relativity (100K)	Fleet/ Non-Fleet Differential (100K)	Fleet	Non-Fleet	Company Expense Pure Premium (Form 100)	Fleet Variable Expense Factor* (Form 100)	Non-fleet Variable Expense Factor* (Form 100)	20/40 Increased Limits Factor (Form 100)	Fleet
<u>A-1 & B**</u>	287.31	311.87				68.25	0.7938	0.7938	1.00		
Territory:											
1			3.2595	1.0000	1.0000					1266	1367
2			3.2595	1.0000	1.0000					1266	1367
3			3.2595	1.0000	1.0000					1266	1367
4			3.2595	1.0000	1.0000					1266	1367
5			3.2595	1.0000	1.0000					1266	1367
6			3.2595	1.0000	1.0000					1266	1367
7			3.2595	1.0000	1.0000					1266	1367
8			3.2595	1.0000	1.0000					1266	1367
9			3.2595	1.0000	1.0000					1266	1367
10			3.2595	1.0000	1.0000					1266	1367
11			0.7050	1.0000	1.0000					341	363
12			0.7882	1.0000	1.0000					371	396
13			0.8167	1.0000	1.0000					382	407
14			0.8001	1.0000	1.0000					376	400
15			0.8262	1.0000	1.0000					385	411
16			0.9543	1.0000	1.0000					431	461
17			1.1371	1.0000	1.0000					498	533
18			1.2619	1.0000	1.0000					543	582
19			1.4752	1.0000	1.0000					620	666
20			1.6597	1.0000	1.0000					687	738
<u>A-1**</u>											
Territory:											
1										1123	1213
2										1123	1213
3										1123	1213
4										1123	1213
5										1123	1213
6										1123	1213
7										1123	1213
8										1123	1213
9										1123	1213
10										1123	1213
11										302	322
12										329	351
13										339	361
14										334	355
15										341	365
16										382	409
17										442	473
18										482	516
19										550	591
20										609	655
<u>B. Basic**</u>											
Territory:											
1										143	154
2										143	154
3										143	154
4										143	154
5										143	154
6										143	154
7										143	154
8										143	154
9										143	154
10										143	154
11										39	41
12										42	45
13										43	46
14										42	45
15										44	46
16										49	52
17										56	60
18										61	66
19										70	75
20										78	83

* (6) & (7) = 1 - (Premium Tax Allowance) - (Profit Load) - (Commission Expense Percentage).
 ** Combined A-1 & B rates are allocated in following manner (calculated from Section 100A of CAR filing):
 A-1: 88.7% of Combined rates (Form 110).
 B: 11.3% of Combined rates (Form 110).
 *** (9A) = {[(1) x (3) x (4A) + (5) x (8)] / (6).
 *** (9B) = {[(2) x (3) x (4B) + (5) x (8)] / (7).

Commonwealth Automobile Reinsurers

Private Passenger Types
Liability Coverages for Which Rates Vary by Territory

Coverage	(1)	(2)	(3)	(4)		(5)	(6)	(7)	(8)	(9)	
	Fleet Average Loss Pure Prem (Form 100)	Non-Fleet Average Loss Pure Prem (Form 100)		Fleet/ Non-Fleet Differential (100K)	Company Expense Pure Premium (Form 100)		Fleet Variable Expense Factor*	Non-fleet Variable Expense Factor*		20/40 Increased Limits Factor (Form 100)	Final Base Rates**
<u>A-2</u>											
Territory:	36.20	70.19				14.67	0.7938	0.7938			
1			3.2595	1.0000	1.0000					167	307
2			3.2595	1.0000	1.0000					167	307
3			3.2595	1.0000	1.0000					167	307
4			3.2595	1.0000	1.0000					167	307
5			3.2595	1.0000	1.0000					167	307
6			3.2595	1.0000	1.0000					167	307
7			3.2595	1.0000	1.0000					167	307
8			3.2595	1.0000	1.0000					167	307
9			3.2595	1.0000	1.0000					167	307
10			3.2595	1.0000	1.0000					167	307
11			0.7050	1.0000	1.0000					51	81
12			0.7882	1.0000	1.0000					54	88
13			0.8167	1.0000	1.0000					56	91
14			0.8001	1.0000	1.0000					55	89
15			0.8262	1.0000	1.0000					56	92
16			0.9543	1.0000	1.0000					62	103
17			1.1371	1.0000	1.0000					70	119
18			1.2619	1.0000	1.0000					76	130
19			1.4752	1.0000	1.0000					86	149
20			1.6597	1.0000	1.0000					94	165
<u>PDL Basic</u>	204.62	243.59				65.47	0.8371	0.8371			
Territory:											
1			3.2595	1.0000	1.0000					875	1027
2			3.2595	1.0000	1.0000					875	1027
3			3.2595	1.0000	1.0000					875	1027
4			3.2595	1.0000	1.0000					875	1027
5			3.2595	1.0000	1.0000					875	1027
6			3.2595	1.0000	1.0000					875	1027
7			3.2595	1.0000	1.0000					875	1027
8			3.2595	1.0000	1.0000					875	1027
9			3.2595	1.0000	1.0000					875	1027
10			3.2595	1.0000	1.0000					875	1027
11			0.7050	1.0000	1.0000					251	283
12			0.7882	1.0000	1.0000					271	308
13			0.8167	1.0000	1.0000					278	316
14			0.8001	1.0000	1.0000					274	311
15			0.8262	1.0000	1.0000					280	319
16			0.9543	1.0000	1.0000					311	356
17			1.1371	1.0000	1.0000					356	409
18			1.2619	1.0000	1.0000					387	445
19			1.4752	1.0000	1.0000					439	507
20			1.6597	1.0000	1.0000					484	561

* (6) & (7) = 1 - (Premium Tax Allowance) - (Profit Load) - (Commission Expense Percentage).

** (9A) = {[(1) x (3) x (4A) + (5)] x (8) } / (6).

** (9B) = {[(2) x (3) x (4B) + (5)] x (8) } / (7).

Commonwealth Automobile Reinsurers
Private Passenger Types
Liability Coverages for Which Rates Do Not Vary by Territory

Coverage D

\$5,000	\$18	(From Form 110)
10,000	20	
15,000	22	
20,000	23	
25,000	25	

Coverage U

	Fleet		Non-Fleet	
	U-1	U-2	U-1	U-2
	<u>Uninsured</u>	<u>Underinsured</u>	<u>Uninsured</u>	<u>Underinsured</u>
20/40	4	0	4	0
20/50	5	0	5	0
25/50	6	2	6	2
35/80	7	8	7	8
50/100	8	14	8	14
100/300	9	34	9	34
250/500	10	114	10	114
500/500	11	279	11	279

Commonwealth Automobile Reinsurers

Private Passenger Types
Physical Damage Loss Pure Premium by Territory

Coverage	(1)	(2)	(3)	(4)		(5)	
	Fleet	Non-Fleet	Territory	Fleet/ Non-Fleet		Loss	
	Average	Average		Differential		Pure Premium	
Pure Prem	Pure Prem	Territory	(100K)		by Territory *		
(Form 100)	(Form 100)	Relativity	Fleet	Non-Fleet	Fleet	Non-Fleet	
Collision	567.59	691.44					
Territory:							
1			2.6355	1.0000	1.0000	1496	1822
2			2.6355	1.0000	1.0000	1496	1822
3			2.6355	1.0000	1.0000	1496	1822
4			2.6355	1.0000	1.0000	1496	1822
5			2.6355	1.0000	1.0000	1496	1822
6			2.6355	1.0000	1.0000	1496	1822
7			2.6355	1.0000	1.0000	1496	1822
8			2.6355	1.0000	1.0000	1496	1822
9			2.6355	1.0000	1.0000	1496	1822
10			2.6355	1.0000	1.0000	1496	1822
11			0.6872	1.0000	1.0000	390	475
12			0.8157	1.0000	1.0000	463	564
13			0.7949	1.0000	1.0000	451	550
14			0.8573	1.0000	1.0000	487	593
15			0.8518	1.0000	1.0000	483	589
16			1.0051	1.0000	1.0000	570	695
17			1.1202	1.0000	1.0000	636	775
18			1.3145	1.0000	1.0000	746	909
19			1.3471	1.0000	1.0000	765	931
20			1.4877	1.0000	1.0000	844	1029
Limited Collision	39.73	48.4					
Territory:							
1			2.6355	1.0000	1.0000	105	128
2			2.6355	1.0000	1.0000	105	128
3			2.6355	1.0000	1.0000	105	128
4			2.6355	1.0000	1.0000	105	128
5			2.6355	1.0000	1.0000	105	128
6			2.6355	1.0000	1.0000	105	128
7			2.6355	1.0000	1.0000	105	128
8			2.6355	1.0000	1.0000	105	128
9			2.6355	1.0000	1.0000	105	128
10			2.6355	1.0000	1.0000	105	128
11			0.6872	1.0000	1.0000	27	33
12			0.8157	1.0000	1.0000	32	39
13			0.7949	1.0000	1.0000	32	38
14			0.8573	1.0000	1.0000	34	41
15			0.8518	1.0000	1.0000	34	41
16			1.0051	1.0000	1.0000	40	49
17			1.1202	1.0000	1.0000	45	54
18			1.3145	1.0000	1.0000	52	64
19			1.3471	1.0000	1.0000	54	65
20			1.4877	1.0000	1.0000	59	72
Comprehensive	103.21	170.56					
Territory:							
1			2.5149	1.0000	1.0000	282	474
2			2.5149	1.0000	1.0000	282	474
3			2.5149	1.0000	1.0000	282	474
4			2.5149	1.0000	1.0000	282	474
5			2.5149	1.0000	1.0000	282	474
6			2.5149	1.0000	1.0000	282	474
7			2.5149	1.0000	1.0000	282	474
8			2.5149	1.0000	1.0000	282	474
9			2.5149	1.0000	1.0000	282	474
10			2.5149	1.0000	1.0000	282	474
11			0.9050	1.0000	1.0000	102	171
12			0.9527	1.0000	1.0000	107	180
13			0.9141	1.0000	1.0000	103	172
14			0.9400	1.0000	1.0000	105	177
15			0.9458	1.0000	1.0000	106	178
16			1.0347	1.0000	1.0000	116	195
17			1.0355	1.0000	1.0000	116	195
18			1.0642	1.0000	1.0000	119	201
19			1.0857	1.0000	1.0000	122	205
20			1.2077	1.0000	1.0000	135	228

Collision/Lim. Collision Comprehensive
 * (5A) = (1) x (3) x (4A) * (5A) = [(1) x (3) x (4A)] / (Fleet Anti-Theft Off Balance Factor)
 * (5B) = (2) x (3) x (4B) * (5B) = [(1) x (3) x (4B)] / (Non-Fleet Anti-Theft Off Balance Factor)

OTC Anti-Theft Off Balance Factors

Fleet	Non-Fleet
0.920	0.904

**Commonwealth Automobile Reinsurers
Private Passenger Types
Rate Relativities by Age and Cost New***

Cost New	Symbol Code	<u>COLLISION</u>								
		Age: 1	2	3	4	5	6	7	8	9
0 - 4,500	01	0.700	0.700	0.700	0.700	0.651	0.651	0.595	0.560	0.448
4,501 - 6,000	02	0.810	0.810	0.810	0.810	0.753	0.753	0.689	0.648	0.518
6,001 - 8,000	03	0.840	0.840	0.840	0.840	0.781	0.781	0.714	0.672	0.538
8,001 - 10,000	04	0.900	0.900	0.900	0.900	0.837	0.837	0.765	0.720	0.576
10,001 - 15,000	05	1.000	1.000	1.000	1.000	0.930	0.930	0.850	0.800	0.640
15,001 - 20,000	06	1.000	1.000	1.000	1.000	0.930	0.930	0.850	0.800	0.640
20,001 - 25,000	07	1.040	1.040	1.040	1.040	0.967	0.967	0.884	0.832	0.666
25,001 - 40,000	08	1.130	1.130	1.130	1.130	1.051	1.051	0.961	0.904	0.723
40,001 - 65,000	10	1.240	1.240	1.240	1.240	1.153	1.153	1.054	0.992	0.794
65,001 - 90,000	11	1.780	1.780	1.780	1.780	1.655	1.655	1.513	1.424	1.139
90,001 and Over	12					(see below)				

<u>LIMITED COLLISION</u>										
0 - 4,500	01	0.700	0.700	0.700	0.700	0.651	0.651	0.595	0.560	0.448
4,501 - 6,000	02	0.810	0.810	0.810	0.810	0.753	0.753	0.689	0.648	0.518
6,001 - 8,000	03	0.840	0.840	0.840	0.840	0.781	0.781	0.714	0.672	0.538
8,001 - 10,000	04	0.900	0.900	0.900	0.900	0.837	0.837	0.765	0.720	0.576
10,001 - 15,000	05	1.000	1.000	1.000	1.000	0.930	0.930	0.850	0.800	0.640
15,001 - 20,000	06	1.000	1.000	1.000	1.000	0.930	0.930	0.850	0.800	0.640
20,001 - 25,000	07	1.040	1.040	1.040	1.040	0.967	0.967	0.884	0.832	0.666
25,001 - 40,000	08	1.130	1.130	1.130	1.130	1.051	1.051	0.961	0.904	0.723
40,001 - 65,000	10	1.240	1.240	1.240	1.240	1.153	1.153	1.054	0.992	0.794
65,001 - 90,000	11	1.780	1.780	1.780	1.780	1.655	1.655	1.513	1.424	1.139
90,001 and Over	12					(see below)				

<u>COMPREHENSIVE</u>										
0 - 4,500	01	0.740	0.740	0.740	0.718	0.718	0.629	0.629	0.607	0.511
4,501 - 6,000	02	0.780	0.780	0.780	0.757	0.757	0.663	0.663	0.640	0.538
6,001 - 8,000	03	0.780	0.780	0.780	0.757	0.757	0.663	0.663	0.640	0.538
8,001 - 10,000	04	0.940	0.940	0.940	0.912	0.912	0.799	0.799	0.771	0.649
10,001 - 15,000	05	1.000	1.000	1.000	0.970	0.970	0.850	0.850	0.820	0.690
15,001 - 20,000	06	1.000	1.000	1.000	0.970	0.970	0.850	0.850	0.820	0.690
20,001 - 25,000	07	1.000	1.000	1.000	0.970	0.970	0.850	0.850	0.820	0.690
25,001 - 40,000	08	1.110	1.110	1.110	1.077	1.077	0.944	0.944	0.910	0.766
40,001 - 65,000	10	1.470	1.470	1.470	1.426	1.426	1.250	1.250	1.205	1.014
65,001 - 90,000	11	2.480	2.480	2.480	2.406	2.406	2.108	2.108	2.034	1.711
90,001 and Over	12					(see below)				

Factors to determine charges based on the original cost new for vehicles with costs in excess of \$90,000.
For each \$1000 in excess of \$90,000 add the following factors to the \$65,000-\$90,000 factor.

Factor	<u>Collision</u>	<u>OTC</u>
	0.010	0.020

For example, the collision age/symbol factor for a vehicle with a \$95,000 cost new (age class 1) would be:

$$1.830 = 1.780 + (95,000-90,000)/1,000 \times 0.01$$

* Relative to Age 2, Symbol 5 (Section 105).

Commonwealth Automobile Reinsurers
Private Passenger Types
Miscellaneous Components of Physical Damage Rates

DEDUCTIBLE RELATIVITIES (Section 102)

<u>Deductible</u>	<u>Coverage</u>	
	<u>Collision</u>	<u>Comprehensive</u>
300	1.060	1.040
500	1.000	1.000
1000	0.890	0.930
2000	0.720	0.860
3000	0.600	0.810
4000	0.520	0.780
5000	0.470	0.760

COMPANY EXPENSES

<u>Coverage</u>	<u>Company Expense Pure Premium (Form 100)</u>
Collision	139.19
Limited Collision	9.74
Comprehensive	29.98

VARIABLE EXPENSES

<u>Coverage</u>	<u>Fleet Variable Expense Factor* (Form 100)</u>	<u>Non-Fleet Variable Expense Factor* (Form 100)</u>
Collision	0.8186	0.8186
Limited Collision	0.8186	0.8186
Comprehensive	0.7443	0.8186

* Variable Expense Factor = 1 - (Premium Tax Allowance) - (Profit Load) - (Commission Expense Percentage).

Commonwealth Automobile Reinsurers

**Private Passenger Types
 Collision Waiver of Deductible Charges**

- (1A) Fleet: Average \$500 deductible Collision pure premium,
 [Form 100, {(5) x (6) x (6A)}] 515.98

- (1B) Non-Fleet: Average \$500 deductible Collision pure premium,
 [Form 100, {(5) x (6) x (6A)}] 690.83

- (2) Waiver Charges = / Variable Expense Ratio } x
 {\$X Selected Waiver of Deductible Relativity to \$500 Deductible Losses*}
 where \$X is \$300, \$500, \$1000, \$2000, \$3000, \$4000, and \$5000.

* Section 102, Exhibit 2, Page 1, Line 11.

WAIVER CHARGES:

Deductibles:	\$300	\$500	\$1000	\$2000	\$3,000	\$4,000	\$5,000
Fleet	13	18	30	49	59	67	74
Non-Fleet	18	24	41	65	79	90	99

Commonwealth Automobile Reinsurers
Private Passenger Types
Collision - \$300 Deductible Buyback Charge

2014 CAR
Schedule 107-2
Page 8

- (1A) Fleet: Average \$500 deductible Collision pure premium,
[Form 100, {(5) x (6) x (6A)}] 515.98
- (1B) Non-Fleet: Average \$500 deductible Collision pure premium,
[Form 100, {(5) x (6) x (6A)}] 690.83
- (2) \$300 Deductible Buyback Charge = {[(1) x territorial relativity] / variable expense ratio } x
{ \$300 selected deductible relativity to \$500 deductible losses (without waiver) -
\$500 selected deductible relativity to \$500 deductible losses* (without waiver) }

* Section 102, Exhibit 2, Page 1, Line 7A.

\$300 Deductible Buyback Charges		
Territory	Fleet	Non-Fleet
1	133	178
2	133	178
3	133	178
4	133	178
5	133	178
6	133	178
7	133	178
8	133	178
9	133	178
10	133	178
11	35	46
12	41	55
13	40	54
14	43	58
15	43	58
16	51	68
17	56	76
18	66	89
19	68	91
20	75	100

Commonwealth Automobile Reinsurers
Private Passenger Types
Limited Collision - \$300 Deductible Buyback Charge

2014 CAR
Schedule 107-2
Page 9

- (1A) Fleet: Average \$500 deductible Limited Collision pure premium,
[7% of Collision Rate] 36.12
- (1B) Non-Fleet: Average \$500 deductible Limited Collision pure premium,
[7% of Collision Rate] 48.36
- (2) \$300 Deductible Buyback Charge = {[(1) x territorial relativity] / variable expense ratio } x
{ \$300 selected deductible relativity to \$500 deductible losses (without waiver) -
\$500 selected deductible relativity to \$500 deductible losses* (without waiver) }

* Section 102, Exhibit 2, Page 1, Line 7A.

\$300 Deductible Buyback Charges		
Territory	Fleet	Non Fleet
1	9	12
2	9	12
3	9	12
4	9	12
5	9	12
6	9	12
7	9	12
8	9	12
9	9	12
10	9	12
11	2	3
12	3	4
13	3	4
14	3	4
15	3	4
16	4	5
17	4	5
18	5	6
19	5	6
20	5	7

Commonwealth Automobile Reinsurers
Private Passenger Types
Comprehensive - \$300 Deductible Buyback Charge

2014 CAR
Schedule 107-2
Page 10

- (1A) Fleet: Average \$500 deductible Comprehensive pure premium,
[Form 100, {(5) x (6) x (6A)}] 98.05
- (1B) Non-Fleet: Average \$500 deductible Comprehensive pure premium,
[Form 100, {(5) x (6) x (6A)}] 166.93
- (2) \$300 Deductible Buyback Charge = {[(1) x territorial relativity] / variable expense ratio } x
{ \$300 selected deductible relativity to \$500 deductible losses (without waiver) -
\$500 selected deductible relativity to \$500 deductible losses* (without waiver) }

* Calculated from Section 102, Exhibit 4, Page 1.

\$300 Deductible Buyback Charges		
Territory	Fleet	Non Fleet
1	17	26
2	17	26
3	17	26
4	17	26
5	17	26
6	17	26
7	17	26
8	17	26
9	17	26
10	17	26
11	6	9
12	6	10
13	6	9
14	6	10
15	6	10
16	7	11
17	7	11
18	7	11
19	7	11
20	8	12