

Commonwealth Automobile Reinsurers

Private Passenger Types
Liability Coverages for Which Rates Vary by Territory

Coverage	(1)	(2)	(3) Territory Relativity (100K)	(4) Fleet/ Non-Fleet Differential (100K)		(5)	(6)	(7)	(8)	(9) Final Base Rates***	
	Fleet Average Loss Pure Prem (Form 100)	Non-Fleet Average Loss Pure Prem (Form 100)		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	Non-Fleet
<u>A-1 & B**</u>	321.81	334.55				65.41	0.8112	0.8112	1.00		
Territory:											
1			2.9336	1.0000	1.0000					1244	1290
2			2.9336	1.0000	1.0000					1244	1290
3			2.9336	1.0000	1.0000					1244	1290
4			2.9336	1.0000	1.0000					1244	1290
5			2.9336	1.0000	1.0000					1244	1290
6			2.9336	1.0000	1.0000					1244	1290
7			2.9336	1.0000	1.0000					1244	1290
8			2.9336	1.0000	1.0000					1244	1290
9			2.9336	1.0000	1.0000					1244	1290
10			2.9336	1.0000	1.0000					1244	1290
11			0.6719	1.0000	1.0000					347	358
12			0.7999	1.0000	1.0000					398	411
13			0.7664	1.0000	1.0000					385	397
14			0.7939	1.0000	1.0000					396	408
15			0.8532	1.0000	1.0000					419	433
16			0.9075	1.0000	1.0000					441	455
17			1.0957	1.0000	1.0000					515	533
18			1.2956	1.0000	1.0000					595	615
19			1.5412	1.0000	1.0000					692	716
20			1.8010	1.0000	1.0000					795	823
<u>A-1**</u>											
Territory:											
1										1106	1147
2										1106	1147
3										1106	1147
4										1106	1147
5										1106	1147
6										1106	1147
7										1106	1147
8										1106	1147
9										1106	1147
10										1106	1147
11										308	318
12										354	365
13										342	353
14										352	363
15										372	385
16										392	404
17										458	474
18										529	547
19										615	637
20										707	732
<u>B. Basic**</u>											
Territory:											
1										138	143
2										138	143
3										138	143
4										138	143
5										138	143
6										138	143
7										138	143
8										138	143
9										138	143
10										138	143
11										39	40
12										44	46
13										43	44
14										44	45
15										47	48
16										49	51
17										57	59
18										66	68
19										77	79
20										88	91

* (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: 88.9% of Combined rates (Form 110).

B: 11.1% of Combined rates (Form 110).

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

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

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)		Territory Relativity (100K)	Fleet/ Non-Fleet Differential (100K)		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)
<u>A-2</u>	44.83	72.72				16.19	0.8112	0.8112			
Territory:											
1			2.9336	1.0000	1.0000					182	283
2			2.9336	1.0000	1.0000					182	283
3			2.9336	1.0000	1.0000					182	283
4			2.9336	1.0000	1.0000					182	283
5			2.9336	1.0000	1.0000					182	283
6			2.9336	1.0000	1.0000					182	283
7			2.9336	1.0000	1.0000					182	283
8			2.9336	1.0000	1.0000					182	283
9			2.9336	1.0000	1.0000					182	283
10			2.9336	1.0000	1.0000					182	283
11			0.6719	1.0000	1.0000					57	80
12			0.7999	1.0000	1.0000					64	92
13			0.7664	1.0000	1.0000					62	89
14			0.7939	1.0000	1.0000					64	91
15			0.8532	1.0000	1.0000					67	96
16			0.9075	1.0000	1.0000					70	101
17			1.0957	1.0000	1.0000					81	118
18			1.2956	1.0000	1.0000					92	136
19			1.5412	1.0000	1.0000					105	158
20			1.8010	1.0000	1.0000					119	181
<u>PDL Basic</u>	224.66	253.40				58.64	0.8444	0.8444			
Territory:											
1			2.9336	1.0000	1.0000					850	950
2			2.9336	1.0000	1.0000					850	950
3			2.9336	1.0000	1.0000					850	950
4			2.9336	1.0000	1.0000					850	950
5			2.9336	1.0000	1.0000					850	950
6			2.9336	1.0000	1.0000					850	950
7			2.9336	1.0000	1.0000					850	950
8			2.9336	1.0000	1.0000					850	950
9			2.9336	1.0000	1.0000					850	950
10			2.9336	1.0000	1.0000					850	950
11			0.6719	1.0000	1.0000					248	271
12			0.7999	1.0000	1.0000					282	309
13			0.7664	1.0000	1.0000					273	299
14			0.7939	1.0000	1.0000					281	308
15			0.8532	1.0000	1.0000					296	325
16			0.9075	1.0000	1.0000					311	342
17			1.0957	1.0000	1.0000					361	398
18			1.2956	1.0000	1.0000					414	458
19			1.5412	1.0000	1.0000					479	532
20			1.8010	1.0000	1.0000					549	610

* (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	\$19	(From Form 110)
10,000	21	
15,000	23	
20,000	24	
25,000	26	

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	6	0	6	0
20/50	7	0	7	0
25/50	8	2	8	2
35/80	9	6	9	6
50/100	10	11	10	11
100/300	11	29	11	29
250/500	12	105	12	105
500/500	16	267	16	267

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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	Loss	Loss	Relativity	(100K)		by Territory *	
(Form 100)	(Form 100)	(Form 100)	(100K)	Fleet	Non-Fleet	Fleet	Non-Fleet
Collision	595.06	696.16					
Territory:							
1			2.3720	1.0000	1.0000	1411	1651
2			2.3720	1.0000	1.0000	1411	1651
3			2.3720	1.0000	1.0000	1411	1651
4			2.3720	1.0000	1.0000	1411	1651
5			2.3720	1.0000	1.0000	1411	1651
6			2.3720	1.0000	1.0000	1411	1651
7			2.3720	1.0000	1.0000	1411	1651
8			2.3720	1.0000	1.0000	1411	1651
9			2.3720	1.0000	1.0000	1411	1651
10			2.3720	1.0000	1.0000	1411	1651
11			0.6719	1.0000	1.0000	400	468
12			0.8200	1.0000	1.0000	488	571
13			0.7761	1.0000	1.0000	462	540
14			0.8396	1.0000	1.0000	500	584
15			0.8634	1.0000	1.0000	514	601
16			0.9755	1.0000	1.0000	580	679
17			1.1269	1.0000	1.0000	671	785
18			1.3203	1.0000	1.0000	786	919
19			1.4341	1.0000	1.0000	853	998
20			1.5630	1.0000	1.0000	930	1088
Limited Collision	41.65	48.73					
Territory:							
1			2.3720	1.0000	1.0000	99	116
2			2.3720	1.0000	1.0000	99	116
3			2.3720	1.0000	1.0000	99	116
4			2.3720	1.0000	1.0000	99	116
5			2.3720	1.0000	1.0000	99	116
6			2.3720	1.0000	1.0000	99	116
7			2.3720	1.0000	1.0000	99	116
8			2.3720	1.0000	1.0000	99	116
9			2.3720	1.0000	1.0000	99	116
10			2.3720	1.0000	1.0000	99	116
11			0.6719	1.0000	1.0000	28	33
12			0.8200	1.0000	1.0000	34	40
13			0.7761	1.0000	1.0000	32	38
14			0.8396	1.0000	1.0000	35	41
15			0.8634	1.0000	1.0000	36	42
16			0.9755	1.0000	1.0000	41	48
17			1.1269	1.0000	1.0000	47	55
18			1.3203	1.0000	1.0000	55	64
19			1.4341	1.0000	1.0000	60	70
20			1.5630	1.0000	1.0000	65	76
Comprehensive	124.09	162.82					
Territory:							
1			2.2634	1.0000	1.0000	312	409
2			2.2634	1.0000	1.0000	312	409
3			2.2634	1.0000	1.0000	312	409
4			2.2634	1.0000	1.0000	312	409
5			2.2634	1.0000	1.0000	312	409
6			2.2634	1.0000	1.0000	312	409
7			2.2634	1.0000	1.0000	312	409
8			2.2634	1.0000	1.0000	312	409
9			2.2634	1.0000	1.0000	312	409
10			2.2634	1.0000	1.0000	312	409
11			0.8681	1.0000	1.0000	120	157
12			0.9345	1.0000	1.0000	129	169
13			0.8596	1.0000	1.0000	119	156
14			0.9921	1.0000	1.0000	137	179
15			0.9273	1.0000	1.0000	128	168
16			1.0102	1.0000	1.0000	139	183
17			1.0479	1.0000	1.0000	144	190
18			1.0927	1.0000	1.0000	151	198
19			1.1620	1.0000	1.0000	160	210
20			1.3091	1.0000	1.0000	180	237

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
 0.900 0.900

**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	0.824	0.770	0.770	0.770	0.708	0.708	0.678	0.639	0.539
4,501 - 6,000	02	0.856	0.800	0.800	0.800	0.736	0.736	0.704	0.664	0.560
6,001 - 8,000	03	0.899	0.840	0.840	0.840	0.773	0.773	0.739	0.697	0.588
8,001 - 10,000	04	0.931	0.870	0.870	0.870	0.800	0.800	0.766	0.722	0.609
10,001 - 15,000	05	1.070	1.000	1.000	1.000	0.920	0.920	0.880	0.830	0.700
15,001 - 20,000	06	1.070	1.000	1.000	1.000	0.920	0.920	0.880	0.830	0.700
20,001 - 25,000	07	1.091	1.020	1.020	1.020	0.938	0.938	0.898	0.847	0.714
25,001 - 40,000	08	1.091	1.020	1.020	1.020	0.938	0.938	0.898	0.847	0.714
40,001 - 65,000	10	1.198	1.120	1.120	1.120	1.030	1.030	0.986	0.930	0.784
65,001 - 90,000	11	1.712	1.600	1.600	1.600	1.472	1.472	1.408	1.328	1.120
90,001 and Over	12					(see below)				

<u>LIMITED COLLISION</u>										
Cost New	Symbol Code	Age: 1	2	3	4	5	6	7	8	9
0 - 4,500	01	0.824	0.770	0.770	0.770	0.708	0.708	0.678	0.639	0.539
4,501 - 6,000	02	0.856	0.800	0.800	0.800	0.736	0.736	0.704	0.664	0.560
6,001 - 8,000	03	0.899	0.840	0.840	0.840	0.773	0.773	0.739	0.697	0.588
8,001 - 10,000	04	0.931	0.870	0.870	0.870	0.800	0.800	0.766	0.722	0.609
10,001 - 15,000	05	1.070	1.000	1.000	1.000	0.920	0.920	0.880	0.830	0.700
15,001 - 20,000	06	1.070	1.000	1.000	1.000	0.920	0.920	0.880	0.830	0.700
20,001 - 25,000	07	1.091	1.020	1.020	1.020	0.938	0.938	0.898	0.847	0.714
25,001 - 40,000	08	1.091	1.020	1.020	1.020	0.938	0.938	0.898	0.847	0.714
40,001 - 65,000	10	1.198	1.120	1.120	1.120	1.030	1.030	0.986	0.930	0.784
65,001 - 90,000	11	1.712	1.600	1.600	1.600	1.472	1.472	1.408	1.328	1.120
90,001 and Over	12					(see below)				

<u>COMPREHENSIVE</u>										
Cost New	Symbol Code	Age: 1	2	3	4	5	6	7	8	9
0 - 4,500	01	0.770	0.770	0.770	0.755	0.755	0.670	0.670	0.624	0.585
4,501 - 6,000	02	0.770	0.770	0.770	0.755	0.755	0.670	0.670	0.624	0.585
6,001 - 8,000	03	0.780	0.780	0.780	0.764	0.764	0.679	0.679	0.632	0.593
8,001 - 10,000	04	0.910	0.910	0.910	0.892	0.892	0.792	0.792	0.737	0.692
10,001 - 15,000	05	1.000	1.000	1.000	0.980	0.980	0.870	0.870	0.810	0.760
15,001 - 20,000	06	1.000	1.000	1.000	0.980	0.980	0.870	0.870	0.810	0.760
20,001 - 25,000	07	1.000	1.000	1.000	0.980	0.980	0.870	0.870	0.810	0.760
25,001 - 40,000	08	1.060	1.060	1.060	1.039	1.039	0.922	0.922	0.859	0.806
40,001 - 65,000	10	1.320	1.320	1.320	1.294	1.294	1.148	1.148	1.069	1.003
65,001 - 90,000	11	2.350	2.350	2.350	2.303	2.303	2.045	2.045	1.904	1.786
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.

	<u>Collision</u>	<u>OTC</u>
Factor	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:

$$1.762 = 1.712 + (95,000-90,000)/1,000 \times 0.01$$

* 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	160.36
Limited Collision	11.23
Comprehensive	36.40

VARIABLE EXPENSES

<u>Coverage</u>	<u>Fleet Variable Expense Factor* (Form 100)</u>	<u>Non-Fleet Variable Expense Factor* (Form 100)</u>
Collision	0.8222	0.8222
Limited Collision	0.8222	0.8222
Comprehensive	0.8222	0.8222

* 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)}]	536.43
(1B)	Non-Fleet: Average \$500 deductible Collision pure premium, [Form 100, {(5) x (6) x (6A)}]	722.78
(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	14	18	31	50	61	70	76
Non-Fleet	18	25	42	68	83	94	103

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Private Passenger Types
Collision - \$300 Deductible Buyback Charge

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- (1A) Fleet: Average \$500 deductible Collision pure premium,
[Form 100, {(5) x (6) x (6A)}] 536.43
- (1B) Non-Fleet: Average \$500 deductible Collision pure premium,
[Form 100, {(5) x (6) x (6A)}] 722.78
- (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	124	167
2	124	167
3	124	167
4	124	167
5	124	167
6	124	167
7	124	167
8	124	167
9	124	167
10	124	167
11	35	47
12	43	58
13	41	55
14	44	59
15	45	61
16	51	69
17	59	79
18	69	93
19	75	101
20	82	110

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

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- (1A) Fleet: Average \$500 deductible Limited Collision pure premium,
[7% of Collision Rate] 37.55
- (1B) Non-Fleet: Average \$500 deductible Limited Collision pure premium,
[7% of Collision Rate] 50.59
- (2) $\$300 \text{ Deductible Buyback Charge} = \{[(1) \times \text{territorial relativity}] / \text{variable expense ratio}\} \times$
 $\{ \$300 \text{ selected deductible relativity to } \$500 \text{ deductible losses (without waiver)} -$
 $\$500 \text{ selected deductible relativity to } \$500 \text{ deductible losses}^* \text{ (without waiver)}\}$

* 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	6
18	5	6
19	5	7
20	6	8

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

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- (1A) Fleet: Average \$500 deductible Comprehensive pure premium,
[Form 100, {(5) x (6) x (6A)}] 121.67
- (1B) Non-Fleet: Average \$500 deductible Comprehensive pure premium,
[Form 100, {(5) x (6) x (6A)}] 171.88
- (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	24
2	17	24
3	17	24
4	17	24
5	17	24
6	17	24
7	17	24
8	17	24
9	17	24
10	17	24
11	6	9
12	7	10
13	6	9
14	7	10
15	7	10
16	7	11
17	8	11
18	8	11
19	9	12
20	10	14