

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	Non-Fleet		Fleet/ Non-Fleet	Company	Fleet	Non-fleet	20/40	Increased Limits Factor	Final Base Rates***	
	Average Loss Pure Prem (Form 100)	Average Loss Pure Prem (Form 100)		Differential (100K)	Expense Pure Premium (Form 100)	Variable Expense Factor*	Variable Expense Factor*	Factor		Fleet	Non-Fleet
A-1 & B**	257.43	310.71				49.85	0.7637	0.7637	1.00		
Territory:											
1			4.0241	1.0000	1.0000					1422	1702
2			4.0241	1.0000	1.0000					1422	1702
3			4.0241	1.0000	1.0000					1422	1702
4			4.0241	1.0000	1.0000					1422	1702
5			4.0241	1.0000	1.0000					1422	1702
6			4.0241	1.0000	1.0000					1422	1702
7			4.0241	1.0000	1.0000					1422	1702
8			4.0241	1.0000	1.0000					1422	1702
9			4.0241	1.0000	1.0000					1422	1702
10			4.0241	1.0000	1.0000					1422	1702
11			0.7656	1.0000	1.0000					323	377
12			0.8193	1.0000	1.0000					341	399
13			0.7874	1.0000	1.0000					331	386
14			0.8116	1.0000	1.0000					339	395
15			0.7997	1.0000	1.0000					335	391
16			0.9033	1.0000	1.0000					370	433
17			1.0250	1.0000	1.0000					411	482
18			1.2477	1.0000	1.0000					486	573
19			1.4996	1.0000	1.0000					571	675
20			1.5268	1.0000	1.0000					580	686
A-1**											
Territory:											
1										1207	1445
2										1207	1445
3										1207	1445
4										1207	1445
5										1207	1445
6										1207	1445
7										1207	1445
8										1207	1445
9										1207	1445
10										1207	1445
11										274	320
12										289	339
13										281	328
14										288	335
15										284	332
16										314	368
17										349	409
18										413	486
19										485	573
20										492	582
B. Basic**											
Territory:											
1										215	257
2										215	257
3										215	257
4										215	257
5										215	257
6										215	257
7										215	257
8										215	257
9										215	257
10										215	257
11										49	57
12										52	60
13										50	58
14										51	60
15										51	59
16										56	65
17										62	73
18										73	87
19										86	102
20										88	104

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

** Combined A-1 & B rates are allocated in following manner (calculated from Section 100A of CAR filing):

A-1: 84.89% of Combined rates (Form 110).

B: 15.11% of Combined rates (Form 110).

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

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

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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*
A-2											
Territory:	25.57	55.81				8.76	0.7637	0.7637			
1			4.0241	1.0000	1.0000					146	306
2			4.0241	1.0000	1.0000					146	306
3			4.0241	1.0000	1.0000					146	306
4			4.0241	1.0000	1.0000					146	306
5			4.0241	1.0000	1.0000					146	306
6			4.0241	1.0000	1.0000					146	306
7			4.0241	1.0000	1.0000					146	306
8			4.0241	1.0000	1.0000					146	306
9			4.0241	1.0000	1.0000					146	306
10			4.0241	1.0000	1.0000					146	306
11			0.7656	1.0000	1.0000					37	67
12			0.8193	1.0000	1.0000					39	71
13			0.7874	1.0000	1.0000					38	69
14			0.8116	1.0000	1.0000					39	71
15			0.7997	1.0000	1.0000					38	70
16			0.9033	1.0000	1.0000					42	77
17			1.0250	1.0000	1.0000					46	86
18			1.2477	1.0000	1.0000					53	103
19			1.4996	1.0000	1.0000					62	121
20			1.5268	1.0000	1.0000					63	123
PDL, Basic	217.71	268.29				41.07	0.8056	0.8056			
Territory:											
1			4.0241	1.0000	1.0000					1138	1391
2			4.0241	1.0000	1.0000					1138	1391
3			4.0241	1.0000	1.0000					1138	1391
4			4.0241	1.0000	1.0000					1138	1391
5			4.0241	1.0000	1.0000					1138	1391
6			4.0241	1.0000	1.0000					1138	1391
7			4.0241	1.0000	1.0000					1138	1391
8			4.0241	1.0000	1.0000					1138	1391
9			4.0241	1.0000	1.0000					1138	1391
10			4.0241	1.0000	1.0000					1138	1391
11			0.7656	1.0000	1.0000					258	306
12			0.8193	1.0000	1.0000					272	324
13			0.7874	1.0000	1.0000					264	313
14			0.8116	1.0000	1.0000					270	321
15			0.7997	1.0000	1.0000					267	317
16			0.9033	1.0000	1.0000					295	352
17			1.0250	1.0000	1.0000					328	392
18			1.2477	1.0000	1.0000					388	467
19			1.4996	1.0000	1.0000					456	550
20			1.5268	1.0000	1.0000					464	559

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

** (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	\$6	(From Form 110: rounded)
10,000	8	
15,000	10	
20,000	11	
25,000	13	

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	1	5	1
25/50	6	3	6	3
35/80	7	11	7	11
50/100	8	18	8	18
100/300	9	42	9	42
250/500	10	122	10	122
500/500	12	307	12	307
500/1000	12	316	12	316

**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	0.586	0.580	0.580	0.580	0.528	0.528	0.516	0.476	0.360
4,501 - 6,000	02	0.737	0.730	0.730	0.730	0.664	0.664	0.650	0.599	0.453
6,001 - 8,000	03	0.838	0.830	0.830	0.830	0.755	0.755	0.739	0.681	0.515
8,001 - 10,000	04	0.879	0.870	0.870	0.870	0.792	0.792	0.774	0.713	0.539
10,001 - 15,000	05	1.010	1.000	1.000	1.000	0.910	0.910	0.890	0.820	0.620
15,001 - 20,000	06	1.111	1.100	1.100	1.100	1.001	1.001	0.979	0.902	0.682
20,001 - 25,000	07	1.162	1.150	1.150	1.150	1.047	1.047	1.024	0.943	0.713
25,001 - 40,000	08	1.182	1.170	1.170	1.170	1.065	1.065	1.041	0.959	0.725
40,001 - 65,000	10	1.545	1.530	1.530	1.530	1.392	1.392	1.362	1.255	0.949
65,001 - 90,000	11	1.818	1.800	1.800	1.800	1.638	1.638	1.602	1.476	1.116
90,001 and Over	12					(see below)				

Cost New	Symbol Code	<u>LIMITED COLLISION</u>								
		Age: 1	2	3	4	5	6	7	8	9
0 - 4,500	01	0.586	0.580	0.580	0.580	0.528	0.528	0.516	0.476	0.360
4,501 - 6,000	02	0.737	0.730	0.730	0.730	0.664	0.664	0.650	0.599	0.453
6,001 - 8,000	03	0.838	0.830	0.830	0.830	0.755	0.755	0.739	0.681	0.515
8,001 - 10,000	04	0.879	0.870	0.870	0.870	0.792	0.792	0.774	0.713	0.539
10,001 - 15,000	05	1.010	1.000	1.000	1.000	0.910	0.910	0.890	0.820	0.620
15,001 - 20,000	06	1.111	1.100	1.100	1.100	1.001	1.001	0.979	0.902	0.682
20,001 - 25,000	07	1.162	1.150	1.150	1.150	1.047	1.047	1.024	0.943	0.713
25,001 - 40,000	08	1.182	1.170	1.170	1.170	1.065	1.065	1.041	0.959	0.725
40,001 - 65,000	10	1.545	1.530	1.530	1.530	1.392	1.392	1.362	1.255	0.949
65,001 - 90,000	11	1.818	1.800	1.800	1.800	1.638	1.638	1.602	1.476	1.116
90,001 and Over	12					(see below)				

Cost New	Symbol Code	<u>COMPREHENSIVE</u>								
		Age: 1	2	3	4	5	6	7	8	9
0 - 4,500	01	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.567	0.504
4,501 - 6,000	02	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.576	0.512
6,001 - 8,000	03	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.675	0.600
8,001 - 10,000	04	0.970	0.970	0.970	0.970	0.970	0.970	0.970	0.873	0.776
10,001 - 15,000	05	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.900	0.800
15,001 - 20,000	06	1.050	1.050	1.050	1.050	1.050	1.050	1.050	0.945	0.840
20,001 - 25,000	07	1.080	1.080	1.080	1.080	1.080	1.080	1.080	0.972	0.864
25,001 - 40,000	08	1.190	1.190	1.190	1.190	1.190	1.190	1.190	1.071	0.952
40,001 - 65,000	10	1.660	1.660	1.660	1.660	1.660	1.660	1.660	1.494	1.328
65,001 - 90,000	11	2.630	2.630	2.630	2.630	2.630	2.630	2.630	2.367	2.104
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:

$$1.868 = 1.818 + (95,000-90,000)/1,000 \times 0.01$$

* 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	0.880	0.940
2000	0.690	0.860
3000	0.570	0.810
4000	0.480	0.780
5000	0.420	0.750

COMPANY EXPENSES

<u>Coverage</u>	<u>Company Expense Pure Premium (Form 100)</u>
Collision	107.57
Limited Collision	7.49
Comprehensive	42.99

VARIABLE EXPENSES

<u>Coverage</u>	<u>Fleet Variable Expense Factor* (Form 100)</u>	<u>Non-Fleet Variable Expense Factor* (Form 100)</u>
Collision	0.8214	0.8214
Limited Collision	0.8214	0.8214
Comprehensive	0.8214	0.8214

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

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

- (1A) Fleet: Average \$500 deductible Collision pure premium,
 [Form 100, {(7) x (8) x (8A)}] 481.97

- (1B) Non-Fleet: Average \$500 deductible Collision pure premium,
 [Form 100, {(7) x (8) x (8A)}] 775.69

- (2) Waiver Charges = { (1) / 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	12	18	31	48	60	67	73
Non-Fleet	20	28	49	77	96	109	118

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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, {(7) x (8) x (8A)}] 481.97
- (1B) Non-Fleet: Average \$500 deductible Collision pure premium,
[Form 100, {(7) x (8) x (8A)}] 775.69
- (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	130	209
2	130	209
3	130	209
4	130	209
5	130	209
6	130	209
7	130	209
8	130	209
9	130	209
10	130	209
11	31	50
12	34	54
13	33	53
14	36	57
15	35	56
16	39	63
17	44	71
18	49	79
19	52	83
20	54	86

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**Private Passenger Types
 Limited Collision - \$300 Deductible Buyback Charge**

- (1A) Fleet: Average \$500 deductible Limited Collision pure premium,
 [Form 100, {(7) x (8) x (8A)}] 34.77

- (1B) Non-Fleet: Average \$500 deductible Limited Collision pure premium,
 [Form 100, {(7) x (8) x (8A)}] 34.77

- (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	9
2	9	9
3	9	9
4	9	9
5	9	9
6	9	9
7	9	9
8	9	9
9	9	9
10	9	9
11	2	2
12	2	2
13	2	2
14	3	3
15	3	3
16	3	3
17	3	3
18	4	4
19	4	4
20	4	4

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**Private Passenger Types
Comprehensive - \$300 Deductible Buyback Charge**

- (1A) Fleet: Average \$500 deductible Comprehensive pure premium,
[Form 100, {(7) x (8) x (8A)}] 137.44
- (1B) Non-Fleet: Average \$500 deductible Comprehensive pure premium,
[Form 100, {(7) x (8) x (8A)}] 203.83
- (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) }

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

\$300 Deductible Buyback Charges		
Territory	Fleet	Non Fleet
1	26	38
2	26	38
3	26	38
4	26	38
5	26	38
6	26	38
7	26	38
8	26	38
9	26	38
10	26	38
11	7	10
12	7	11
13	7	11
14	8	11
15	8	11
16	8	12
17	8	12
18	9	14
19	10	15
20	10	15