

**Massachusetts**  
**Motorcycles Rated in the Private Passenger Residual Market Automobile Insurance Manual**  
**Manual Rates**

**Part 1 - Bodily Injury**

Territory	Experienced Operators			
	Group A	Group B	Group C	Group D
1	\$22	\$18	\$28	\$24
2	\$22	\$18	\$28	\$26
3	\$20	\$18	\$26	\$24
4	\$22	\$20	\$30	\$26
5	\$24	\$20	\$32	\$28
6	\$28	\$24	\$38	\$34
7	\$30	\$26	\$40	\$36
8	\$32	\$26	\$42	\$36
9	\$36	\$32	\$48	\$42
10	\$42	\$36	\$56	\$50
11	\$40	\$34	\$52	\$46
12	\$44	\$38	\$58	\$52
13	\$50	\$42	\$66	\$58
14	\$54	\$46	\$72	\$64
15	\$56	\$48	\$72	\$64
16	\$62	\$54	\$82	\$74
17	\$52	\$44	\$70	\$62
18	\$52	\$44	\$70	\$62
19	\$52	\$44	\$70	\$62
20	\$52	\$44	\$70	\$62
21	\$52	\$44	\$70	\$62
22	\$52	\$44	\$70	\$62
23	\$52	\$44	\$70	\$62
24	\$52	\$44	\$70	\$62
25	\$52	\$44	\$70	\$62
26	\$52	\$44	\$70	\$62
27	\$22	\$18	\$28	\$26
40	\$56	\$48	\$74	\$66
41	\$50	\$42	\$66	\$58
42	\$66	\$56	\$86	\$78
43	\$56	\$48	\$74	\$66
44	\$64	\$54	\$82	\$74
45	\$56	\$48	\$72	\$64

**Part 2 - PIP**

Territory	Experienced Operators			
	Group A	Group B	Group C	Group D
1	\$2	\$2	\$4	\$2
2	\$2	\$2	\$4	\$2
3	\$2	\$2	\$4	\$2
4	\$2	\$2	\$4	\$4
5	\$2	\$2	\$4	\$4
6	\$4	\$2	\$4	\$4
7	\$4	\$4	\$4	\$4
8	\$4	\$4	\$4	\$4
9	\$4	\$4	\$6	\$6
10	\$4	\$4	\$6	\$6
11	\$4	\$4	\$6	\$6
12	\$6	\$4	\$6	\$6
13	\$6	\$4	\$8	\$6
14	\$6	\$6	\$8	\$8
15	\$6	\$6	\$8	\$8
16	\$8	\$6	\$10	\$8
17	\$6	\$6	\$8	\$8
18	\$6	\$6	\$8	\$8
19	\$6	\$6	\$8	\$8
20	\$6	\$6	\$8	\$8
21	\$6	\$6	\$8	\$8
22	\$6	\$6	\$8	\$8
23	\$6	\$6	\$8	\$8
24	\$6	\$6	\$8	\$8
25	\$6	\$6	\$8	\$8
26	\$6	\$6	\$8	\$8
27	\$2	\$2	\$4	\$4
40	\$6	\$6	\$8	\$8
41	\$6	\$6	\$8	\$6
42	\$8	\$6	\$10	\$10
43	\$6	\$6	\$8	\$8
44	\$8	\$6	\$10	\$8
45	\$6	\$6	\$8	\$8

Notes:

- (1) Motorcycle territory definitions are the same as for private passenger automobiles.  
(2) Rates for inexperienced operators are calculated by applying a factor of 1.50 to the experienced operators rates above.  
(3) Group definitions are as follows:

Group	Vehicle size
A	0 c.c. to 100 c.c.
B	101 c.c. to 350 c.c.
C	351 c.c. to 650 c.c.
D	651 c.c. and over

- (4) For electric motorcycles used for private passenger purposes, use the private passenger motorcycle rates specified for Vehicle Engine Size Group D.

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**Part 5 - Optional BI**  
**Rates at Basic limits**

Territory	Experienced Operators			
	With Guest			
	Group A	Group B	Group C	Group D
1	\$20	\$18	\$28	\$24
2	\$22	\$18	\$28	\$24
3	\$20	\$18	\$26	\$24
4	\$22	\$20	\$30	\$26
5	\$24	\$20	\$32	\$28
6	\$28	\$24	\$38	\$34
7	\$30	\$26	\$40	\$36
8	\$32	\$26	\$40	\$36
9	\$36	\$30	\$48	\$42
10	\$42	\$36	\$54	\$48
11	\$40	\$34	\$52	\$46
12	\$44	\$36	\$56	\$50
13	\$50	\$42	\$64	\$58
14	\$54	\$46	\$70	\$64
15	\$54	\$46	\$72	\$64
16	\$62	\$52	\$82	\$72
17	\$52	\$44	\$68	\$62
18	\$52	\$44	\$68	\$62
19	\$52	\$44	\$68	\$62
20	\$52	\$44	\$68	\$62
21	\$52	\$44	\$68	\$62
22	\$52	\$44	\$68	\$62
23	\$52	\$44	\$68	\$62
24	\$52	\$44	\$68	\$62
25	\$52	\$44	\$68	\$62
26	\$52	\$44	\$68	\$62
27	\$22	\$18	\$28	\$26
40	\$56	\$48	\$72	\$66
41	\$50	\$42	\$66	\$58
42	\$64	\$56	\$86	\$76
43	\$56	\$46	\$72	\$64
44	\$62	\$54	\$82	\$74
45	\$54	\$46	\$72	\$64

Territory	Experienced Operators			
	Without Guest			
	Group A	Group B	Group C	Group D
1	\$6	\$6	\$8	\$6
2	\$6	\$6	\$8	\$8
3	\$6	\$4	\$8	\$6
4	\$6	\$6	\$8	\$8
5	\$6	\$6	\$8	\$8
6	\$8	\$6	\$10	\$10
7	\$8	\$8	\$12	\$10
8	\$8	\$8	\$12	\$10
9	\$10	\$8	\$14	\$12
10	\$12	\$10	\$16	\$14
11	\$12	\$10	\$14	\$14
12	\$12	\$10	\$16	\$14
13	\$14	\$12	\$18	\$16
14	\$16	\$12	\$20	\$18
15	\$16	\$14	\$20	\$18
16	\$18	\$14	\$24	\$20
17	\$16	\$12	\$20	\$18
18	\$16	\$12	\$20	\$18
19	\$16	\$12	\$20	\$18
20	\$16	\$12	\$20	\$18
21	\$16	\$12	\$20	\$18
22	\$16	\$12	\$20	\$18
23	\$16	\$12	\$20	\$18
24	\$16	\$12	\$20	\$18
25	\$16	\$12	\$20	\$18
26	\$16	\$12	\$20	\$18
27	\$6	\$6	\$8	\$8
40	\$16	\$14	\$20	\$18
41	\$14	\$12	\$18	\$16
42	\$18	\$16	\$24	\$22
43	\$16	\$14	\$20	\$18
44	\$18	\$16	\$24	\$20
45	\$16	\$14	\$20	\$18

**Notes:**

- (1) Motorcycle territory definitions are the same as for private passenger automobiles.
- (2) Rates for inexperienced operators are calculated by applying a factor of 1.50 to the experienced operators rates above.
- (3) Group definitions are as follows:

Group	Vehicle size
A	0 c.c. to 100 c.c.
B	101 c.c. to 350 c.c.
C	351 c.c. to 650 c.c.
D	651 c.c. and over

- (4) For electric motorcycles used for private passenger purposes, use the private passenger motorcycle rates specified for Vehicle Engine Size Group D.

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**Manual Rates**

**Part 4 - Property Damage**  
**Rates at Basic limits**

Territory	Experienced Operators			
	Group A	Group B	Group C	Group D
1	\$30	\$26	\$38	\$34
2	\$30	\$26	\$40	\$36
3	\$30	\$26	\$40	\$36
4	\$36	\$30	\$48	\$42
5	\$36	\$30	\$48	\$42
6	\$42	\$36	\$54	\$48
7	\$46	\$40	\$62	\$54
8	\$42	\$36	\$56	\$50
9	\$58	\$50	\$78	\$68
10	\$62	\$52	\$80	\$72
11	\$64	\$54	\$84	\$76
12	\$74	\$64	\$98	\$88
13	\$74	\$62	\$96	\$86
14	\$86	\$74	\$114	\$102
15	\$88	\$74	\$116	\$104
16	\$96	\$82	\$126	\$114
17	\$84	\$72	\$110	\$98
18	\$84	\$72	\$110	\$98
19	\$84	\$72	\$110	\$98
20	\$84	\$72	\$110	\$98
21	\$84	\$72	\$110	\$98
22	\$84	\$72	\$110	\$98
23	\$84	\$72	\$110	\$98
24	\$84	\$72	\$110	\$98
25	\$84	\$72	\$110	\$98
26	\$84	\$72	\$110	\$98
27	\$30	\$24	\$38	\$34
40	\$84	\$72	\$110	\$98
41	\$82	\$70	\$108	\$98
42	\$92	\$78	\$120	\$108
43	\$92	\$78	\$120	\$108
44	\$90	\$78	\$118	\$106
45	\$94	\$80	\$124	\$110

Notes:

(1) Motorcycle territory definitions are the same as for private passenger automobiles.

(2) Rates for inexperienced operators are calculated by applying a factor of 1.50 to the experienced operators rates above.

(3) Group definitions are as follows:

Group	Vehicle size
A	0 c.c. to 100 c.c.
B	101 c.c. to 350 c.c.
C	351 c.c. to 650 c.c.
D	651 c.c. and over

(4) For electric motorcycles used for private passenger purposes, use the private passenger motorcycle rates specified for Vehicle Engine Size Group D.

**Part 6 - Medical Payments**  
**Rates by limit**

All Territories	
Limit per Person	All Groups
\$500	\$82
\$750	\$86
\$1,000	\$90
\$2,000	\$106
\$5,000	\$148
\$10,000	\$204
\$15,000	\$254
\$20,000	\$294
\$25,000	\$326
\$50,000	\$494

**Part 3 - Uninsured Motorists**  
**Rates by limit**

All Territories	
Limit	All Groups
20/40	\$32
20/50	\$32
25/50	\$36
35/80	\$46
50/100	\$50
100/300	\$56
250/500	\$78
500/500	\$112

**Part 12 - Underinsured Motorists**  
**Rates by limit**

All Territories	
Limit	All Groups
20/40	\$0
20/50	\$0
25/50	\$4
35/80	\$54
50/100	\$162
100/300	\$530
250/500	\$1,300
500/500	\$1,340

Notes:

(1) Rates for Parts 3, 6, and 12 are the same for experienced and inexperienced operators.

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**Manual Rates**

**Part 7 - Collision**  
**Rates at \$500 deductible**

Territory	Rate per \$100 of value*
	Experienced Operators
	All Groups
1	\$2.48
2	\$2.48
3	\$2.52
4	\$2.58
5	\$2.84
6	\$3.68
7	\$3.44
8	\$3.46
9	\$3.68
10	\$4.94
11	\$4.76
12	\$5.48
13	\$5.48
14	\$7.48
15	\$7.94
16	\$7.66
17	\$7.44
18	\$7.44
19	\$7.44
20	\$7.44
21	\$7.44
22	\$7.44
23	\$7.44
24	\$7.44
25	\$7.44
26	\$7.44
27	\$2.42
40	\$6.88
41	\$6.46
42	\$7.32
43	\$7.18
44	\$7.32
45	\$7.94

**Part 7 - Collision**  
**Other deductibles**

Deductible	All Territories
	All Groups
\$300	\$500 deductible premium + \$28
\$1,000	75.0% of \$500 deductible premium
\$2,000	62.6% of \$500 deductible premium

**Part 7 - Collision**  
**Waiver of Deductible Charges**

All Territories	
Deductible	All Groups
\$300	\$8
\$500	\$10
\$1,000	\$14
\$2,000	\$22

**Part 8 - Limited Collision**

\$500 deductible base premium (Part 8) =  
(6.0%) x [\$500 deductible Collision base premium (Part 7)]

Deductible	All Groups
\$0	\$500 deductible premium (Part 8) + \$6
\$300	\$500 deductible premium (Part 8) + \$2
\$1,000	66.7% of \$500 deductible premium (Part 8)
\$2,000	48.7% of \$500 deductible premium (Part 8)

**Motorcycle Age Factors**

Age Group	Based on Model Year (MY) **	Collision Factor
1	Current MY	1.000
2	1st Preceding	0.950
3	2nd Preceding	0.900
4	3rd Preceding	0.850
5	4th Preceding	0.800
6	5th Preceding	0.750
7	6th Preceding	0.700
8	7th Preceding	0.650
9	8th Preceding	0.610
10	9th Preceding	0.560
11	10th Preceding	0.520
12	All Other	0.480

\*\* The current model year changes October 1, regardless of the actual date the models are introduced.

- \* Determine motorcycle Collision rates by the following procedure:
- Determine the motorcycle's value as Original Cost New in hundreds of dollars.
  - Multiply the value determined in (a) by the rate per \$100 for its territory.
  - Multiply the base manual premium determined in (b) by the Age Rate Factor.

Notes:

- Motorcycle territory definitions are the same as for private passenger automobiles.
- Rates for inexperienced operators are calculated by applying a factor of 1.50 to the experienced operators rates above.
- Rates are per \$100 of insured value.

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**Part 9 - Comprehensive**  
**Rates at \$500 deductible**

Territory	Rate per \$100 of value*
	All Groups
1	\$0.73
2	\$0.73
3	\$0.78
4	\$0.85
5	\$1.00
6	\$1.35
7	\$1.38
8	\$1.25
9	\$1.85
10	\$2.28
11	\$2.80
12	\$2.65
13	\$3.35
14	\$6.05
15	\$6.88
16	\$6.58
17	\$9.25
18	\$9.25
19	\$9.25
20	\$9.25
21	\$9.25
22	\$9.25
23	\$9.25
24	\$9.25
25	\$9.25
26	\$9.25
27	\$0.73
40	\$4.83
41	\$5.33
42	\$6.35
43	\$6.10
44	\$6.85
45	\$6.30

**Part 9 - Comprehensive**  
**Other deductibles**

Deductible	All Territories
	All Groups
\$300	\$500 deductible premium + \$3
\$1,000	65.8% of \$500 deductible premium
\$2,000	61.1% of \$500 deductible premium

<b>Fire</b>	Charge 5% of the motorcycle Comprehensive premium
<b>Theft</b>	Charge 90% of the motorcycle Comprehensive premium

**Motorcycle Age Factors**

Age Group	Based on Model Year (MY) **	Comprehensive Factor
1	Current MY	1.000
2	1st Preceding	0.940
3	2nd Preceding	0.880
4	3rd Preceding	0.830
5	4th Preceding	0.770
6	5th Preceding	0.720
7	6th Preceding	0.660
8	7th Preceding	0.600
9	8th Preceding	0.550
10	9th Preceding	0.510
11	10th Preceding	0.460
12	All Other	0.410

\*\* The current model year changes October 1, regardless of the actual date the models are introduced.

- \* Determine motorcycle Comprehensive rates by the following procedure:
- (a) Determine the motorcycle's value as Original Cost New in hundreds of dollars.
  - (b) Multiply the value determined in (a) by the rate per \$100 for its territory.
  - (c) Multiply the base manual premium determined in (b) by the Age Rate Factor.

Notes:

- (1) Motorcycle territory definitions are the same as for private passenger automobiles.
- (2) Rates for Part 9 are the same for experienced and inexperienced operators.
- (3) Rates are per \$100 of insured value.

# Massachusetts

## Motorcycles Rated in the Private Passenger Residual Market Automobile Insurance Manual

### Manual Rates

#### Territories

The territory definitions applicable to motorcycles are the same as those used for private passenger vehicles.

#### Commissions

The commission provisions incorporated into the motorcycle rates are as follows (as a percentage of premium):

Liability coverages:	13.0%
Physical Damage coverages:	13.0%

#### Group Definitions

The motorcycle group rating variable is defined as follows:

<u>Group</u>	<u>Vehicle Size</u>
A	0 c.c. to 100 c.c.
B	101 c.c. to 350 c.c.
C	351 c.c. to 650 c.c.
D	651 c.c. and over

#### Electric Motorcycles

For electric motorcycles used for private passenger purposes, use the private passenger motorcycle rates specified for Vehicle Engine Size Group D.

#### Substitute Transportation (Part 10)

\$15/day with \$450 maximum	\$90
\$30/day with \$900 maximum	\$180
\$45/day with \$1,350 maximum	\$334
\$100/day with \$3000 maximum	\$692

#### Towing and Labor

\$50/day per disablement	\$16
\$100/day per disablement	\$32

#### Discount (Rule 44)

<u>Discount</u>	<u>Amount</u>	<u>Coverage</u>
Motorcycle Rider Training Program	10%	Parts 1-8, 12
Insured Age 65 or older	25%	All Parts

#### Age Rate Factors

For rating motorcycle physical damage coverages, see manual rate page for Age Rate Factors to be applied to the base manual premium of the motorcycle.

#### Merit Rating Plan

Rates for Parts 1, 2, 4, 5 and 7 are base rates (i.e. at the point/zero credit level, or prior to the application of any merit rating plan credits or surcharges). The determination of merit rating plan credits and point-based surcharges is the same as for private passenger vehicles.

#### Inexperienced Operator

Rates for inexperienced operators are calculated by applying a factor of 1.50 to the experienced operator rates. Inexperienced rating factors apply to coverage Parts 1, 2, 4, 5, 7, and 8.

#### Premium Calculation Rule

Premiums for Motorcycles shall be calculated using the following step procedure. Note that not all of these steps may be applicable for every coverage or policyholder. The premium for each exposure shall be rounded to the nearest whole dollar at the end of each step. (Rounding should occur after the application of each discount)

- 1) Determine the base manual premium
- 2) Apply the Age Rate Factor (for physical damage coverages)
- 3) Apply adjustments for increased limits or deductibles
- 4) Apply the inexperienced operator factor
- 5) Add waiver of deductible charges
- 6) Apply discounts in the following order: driver training, senior citizen
- 7) Apply Merit Rating credits or surcharges