

## Suggested Driving Practices

At the end of the final trip of the day inspect your vehicle for any damage or problems that may have developed on the road and note any defects found during this inspection. The post-trip inspection can be added to the report you completed during the pre-trip inspection at the start of that day.

This could include the following:

- Park the vehicle on level ground, apply the spring parking brakes, shut off the engine and leave it in gear.
- Open the drain valves on all air reservoirs, allow all air pressure to escape and then drain valves.

## Section Summary Questions

1. What is the maximum time permitted for the compressor to build from 50 to 90 psi?
2. What is the maximum air pressure loss permitted on a full brake application with the motor shut off for combination and single units?
3. How can the holding power of the trailer brakes be tested?
4. What is the final brake test that should be made before the vehicle is put into service?
5. Is a brake adjustment part of the air brake test given by Manitoba Public Insurance?

## Metric Conversion Table

A conversion to the metric system took place in Canada on September 1, 1977, and some commonly used conversions are listed below. Numbers have been rounded and therefore are not precise equivalents.

kPa to psi		psi to kPa	
5	0.72	1	6.89
10	1.45	2	13.78
15	2.17	3	20.68
20	2.90	4	27.57
25	3.62	5	34.47
30	4.35	6	41.36
35	5.07	7	48.26
40	5.80	8	55.15
45	6.52	9	62.05
50	7.25	10	68.94
60	8.70	15	103.42
70	10.15	20	137.89
80	11.60	25	172.36
90	13.05	30	206.84
100	14.50	35	241.31
150	21.75	40	275.78
200	29.00	45	310.26
250	36.29	50	344.73
300	43.51	55	379.20
310	44.96	60	413.68
350	50.76	65	448.15
400	58.01	70	482.62
415	60.19	75	517.10
450	65.26	80	551.57
500	72.51	85	586.04
550	79.77	90	620.52
585	84.84	95	654.99
600	87.02	100	689.47
650	94.27	105	723.94
700	101.52	110	758.41
725	105.15	115	792.89
750	108.77	120	827.36
800	116.03	125	861.83
850	123.28	130	896.31
900	130.53	135	930.78
950	137.78	140	965.25
1000	145.03	145	999.73
1050	152.29	150	1034.20

# Metric Conversion Table

## Length

1 inch = 2.54 cm

1 foot = 30.48 cm

1 mile = 1.61 km

## Volume

1 pint = 0.57 l

1 quart = 1.13 l

1 gallon = 4.55 l

## Speed

1 mph = 1.61 km/h

10 mph = 15 km/h

15 mph = 25 km/h

20 mph = 30 km/h

30 mph = 50 km/h

40 mph = 60 km/h

50 mph = 80 km/h

60 mph = 100 km/h

## Converted Linear Measurements

8' 6" = 2.60 m

10' = 3.00 m

12' 6" = 3.80 m

13' 6" = 4.15 m

14' = 4.20 m

35' = 11.00 m

38' = 11.50 m

40' = 12.50 m

45' = 14.00 m

60' = 18.50 m

65' = 20.00 m

100' = 30.00 m

500' = 150.00 m

## Converted Weight

10,000 lbs = 4 500 kg

12,000 lbs = 5 500 kg

20,000 lbs = 9 100 kg

24,000 lbs = 11 000 kg

## Abbreviations

mm = millimetre

cm = centimetre

l = litre

km/h = kilometre per hour

m = metre

kg = kilogram

kPa = kilopascal