

APPENDIX C—METRIC CONVERSIONS

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Table C-1. Metric Conversions

MILLIMETERS TO INCHES (MM X 0.03937 = INCHES)								INCHES TO MILLIMETERS (INCHES X 25.40 = MM)							
mm	in.	mm	in.	mm	in.	mm	in.	in.	mm	in.	mm	in.	mm	in.	mm
.1	.0039	25	.9842	58	2.283	91	3.582	.001	.025	.6	15.240	1 ¹⁵ / ₁₆	49.21	3 ⁵ / ₁₆	84.14
.2	.0078	26	1.024	59	2.323	92	3.622	.002	.051	⁵ / ₈	15.875	2	50.80	3 ³ / ₈	85.72
.3	.0118	27	1.063	60	2.362	93	3.661	.003	.076	¹¹ / ₁₆	17.462	2 ¹ / ₁₆	52.39	3.4	86.36
.4	.0157	28	1.102	61	2.401	94	3.701	.004	.102	.7	17.780	2.1	53.34	3 ⁷ / ₁₆	87.31
.5	.0197	29	1.142	62	2.441	95	3.740	.005	.127	³ / ₄	19.050	2 ¹ / ₈	53.97	3 ¹ / ₂	88.90
.6	.0236	30	1.181	63	2.480	96	3.779	.006	.152	.8	20.320	2 ³ / ₁₆	55.56	3 ⁹ / ₁₆	90.49
.7	.0275	31	1.220	64	2.519	97	3.819	.007	.178	¹³ / ₁₆	20.638	2.2	55.88	3.6	91.44
.8	.0315	32	1.260	65	2.559	98	3.858	.008	.203	⁷ / ₈	22.225	2 ¹ / ₄	57.15	3 ⁵ / ₈	92.07
.9	.0354	33	1.299	66	2.598	99	3.897	.009	.229	.9	22.860	2.3	58.42	3 ¹¹ / ₁₆	93.66
1	.0394	34	1.338	67	2.638	100	3.937	.010	.254	¹⁵ / ₁₆	23.812	2 ⁵ / ₁₆	58.74	3.7	93.98
2	.0787	35	1.378	68	2.677	101	3.976	¹ / ₆₄	.397	1	25.40	2 ³ / ₈	60.32	3 ³ / ₄	95.25
3	.1181	36	1.417	69	2.716	102	4.016	.020	.508	1 ¹ / ₁₆	26.99	2.4	60.96	3.8	96.52
4	.1575	37	1.456	70	2.756	103	4.055	.030	.762	1.1	27.94	2 ⁷ / ₁₆	61.91	3 ¹³ / ₁₆	96.84
5	.1968	38	1.496	71	2.795	104	4.094	¹ / ₃₂	.794	1 ¹ / ₈	28.57	2 ¹ / ₂	63.50	3 ⁷ / ₈	98.42
6	.2362	39	1.535	72	2.834	105	4.134	.040	1.016	1 ³ / ₁₆	30.16	2 ⁹ / ₁₆	65.09	3.9	99.06
7	.2756	40	1.575	73	2.874	106	4.173	.050	1.270	1.2	30.48	2.6	66.04	3 ¹⁵ / ₁₆	100.01
8	.3149	41	1.614	74	2.913	107	4.212	.060	1.524	1 ¹ / ₄	31.75	2 ⁵ / ₈	66.67	4	101.6
9	.3543	42	1.653	75	2.953	108	4.252	¹ / ₁₆	1.588	1.3	33.02	2 ¹¹ / ₁₆	68.26	4 ¹ / ₁₆	102.19
10	.3937	43	1.693	76	2.992	109	4.291	.070	1.778	1 ⁵ / ₁₆	33.34	2.7	68.58	4.1	104.14
11	.4331	44	1.732	77	3.031	110	4.331	.080	2.032	1 ³ / ₈	34.92	2 ³ / ₄	69.85	4 ¹ / ₈	104.77
12	.4724	45	1.772	78	3.071	111	4.370	.090	2.286	1.4	35.56	2.8	71.12	4 ³ / ₁₆	106.36
13	.5118	46	1.811	79	3.110	112	4.409	.1	2.540	1 ⁷ / ₁₆	36.51	2 ¹³ / ₁₆	71.44	4.2	106.68
14	.5512	47	1.850	80	3.149	113	4.449	¹ / ₈	3.175	1 ¹ / ₂	38.10	2 ⁷ / ₈	73.02	4 ¹ / ₄	107.95
15	.5905	48	1.890	81	3.189	114	4.488	³ / ₁₆	4.762	1 ⁹ / ₁₆	39.69	2.9	73.66	4.3	109.22
16	.6299	49	1.929	82	3.228	115	4.527	.2	5.080	1.6	40.64	2 ¹⁵ / ₁₆	74.61	4 ⁵ / ₁₆	109.54
17	.6693	50	1.968	83	3.268	116	4.567	¹ / ₄	6.350	1 ⁵ / ₈	41.27	3	76.20	4 ³ / ₈	111.12
18	.7086	51	2.008	84	3.307	117	4.606	.3	7.620	1 ¹¹ / ₁₆	42.86	3 ¹ / ₁₆	77.79	4.4	111.76
19	.7480	52	2.047	85	3.346	118	4.645	⁵ / ₁₆	7.938	1.7	43.18	3.1	78.74	4 ⁷ / ₁₆	112.71
20	.7874	53	2.086	86	3.386	119	4.685	³ / ₈	9.525	1 ³ / ₄	44.45	3 ¹ / ₈	79.37	4 ¹ / ₂	114.30
21	.8268	54	2.126	87	3.425	120	4.724	.4	10.160	1.8	45.72	3 ³ / ₁₆	80.96	4 ⁹ / ₁₆	115.89
22	.8661	55	2.165	88	3.464	121	4.764	⁷ / ₁₆	11.112	1 ¹³ / ₁₆	46.04	3.2	81.28	4.6	116.84
23	.9055	56	2.205	89	3.504	122	4.803	¹ / ₂	12.700	1 ⁷ / ₈	47.62	3 ¹ / ₄	82.55	4 ⁵ / ₈	117.47
24	.9449	57	2.244	90	3.543	123	4.842	⁹ / ₁₆	14.288	1.9	48.26	3.3	83.82	4 ¹¹ / ₁₆	119.06

UNITED STATES SYSTEM

Unless otherwise specified, **all fluid volume measurements in this Service Manual are expressed in United States (U.S.) units-of-measure.** See below:

- 1 pint (U.S.) = 16 fluid ounces (U.S.)
- 1 quart (U.S.) = 2 pints (U.S.) = 32 fl. oz. (U.S.)
- 1 gallon (U.S.) = 4 quarts (U.S.) = 128 fl. oz. (U.S.)

METRIC SYSTEM

Fluid volume measurements in this Service Manual include the metric system equivalents. In the metric system, 1 liter (L) = 1,000 milliliters (mL). Should you need to convert from U.S. units-of-measure to metric units-of-measure (or vice versa), refer to the following:

- fluid ounces (U.S.) x 29.574 = milliliters
- pints (U.S.) x 0.473 = liters
- quarts (U.S.) x 0.946 = liters
- gallons (U.S.) x 3.785 = liters
- milliliters x 0.0338 = fluid ounces (U.S.)
- liters x 2.113 = pints (U.S.)
- liters x 1.057 = quarts (U.S.)
- liters x 0.264 = gallons (U.S.)

BRITISH IMPERIAL SYSTEM

Fluid volume measurements in this Service Manual do not include the British Imperial (Imp.) system equivalents. The following conversions exist in the British Imperial system:

- 1 pint (Imp.) = 20 fluid ounces (Imp.)
- 1 quart (Imp.) = 2 pints (Imp.)
- 1 gallon (Imp.) = 4 quarts (Imp.)

Although the same unit-of-measure terminology as the U.S. system is used in the British Imperial (Imp.) system, the actual volume of each British Imperial unit-of-measure differs from its U.S. counterpart. The U.S. fluid ounce is larger than the British Imperial fluid ounce. However, the U.S. pint, quart, and gallon are smaller than the British Imperial pint, quart, and gallon, respectively. Should you need to convert from U.S. units to British Imperial units (or vice versa), refer to the following:

- fluid ounces (U.S.) x 1.042 = fluid ounces (Imp.)
- pints (U.S.) x 0.833 = pints (Imp.)
- quarts (U.S.) x 0.833 = quarts (Imp.)
- gallons (U.S.) x 0.833 = gallons (Imp.)
- fluid ounces (Imp.) x 0.960 = fluid ounces (U.S.)
- pints (Imp.) x 1.201 = pints (U.S.)
- quarts (Imp.) x 1.201 = quarts (U.S.)
- gallons (Imp.) x 1.201 = gallons (U.S.)