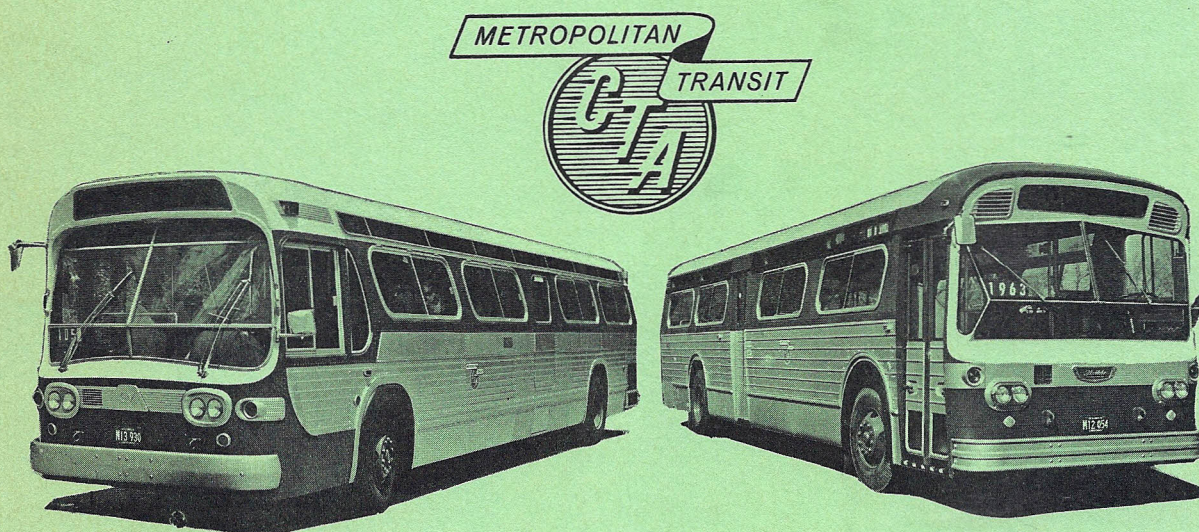


MOTOR and TROLLEY BUS DATA



CHICAGO TRANSIT AUTHORITY

JULY 1968

MOTOR BUS AND TROLLEY BUS DATA

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7-19-68

CHICAGO TRANSIT AUTHORITY

MOTOR BUSES

<u>Bus Series</u>	<u>No. of Buses</u>	<u>Year</u>	<u>Description</u>	<u>Seats</u>	<u>Engine</u>	<u>Fuel</u>	<u>Transmission</u>
100-249	150	1961	GM-TDH-5301	50	GM-6V-71	Diesel	Hydr.
300-449	150	1962-63	GM-TDH-5301	50	GM-6V-71	Diesel	Hydr.
500-600	24	1948	GM-TDH-5502	55	GM-671	Diesel	Hydr.
601-700	98	1950-51	GM-TDH-5103	51	GM-671	Diesel	Hydr.
**800-804	5	1965	GM-TDH-5303	50	GM-6V-71	Diesel	Hydr.
1400-1464	34	1947-48	GM-TDH-4507	45	GM-671	Diesel	Hydr.
3000-3238	239	1965	F2D6V401-1	50	DD-6V-71	Diesel	Hydr.
3239	1	1965	F2DV8C401-1	50	*V8-235	Diesel	Hydr.
**3240-3244	5	1965	F2D6V401-1	50	DD-6V-71	Diesel	Hydr.
3300-3449	150	1966	F2D6V351-1	42	DD-6V-71N	Diesel	Hydr.
3500-3694	195	1966	F2D6V401-1	50	DD-6V-71N	Diesel	Hydr.
3695-3699	5	1967	F2DV8C401-1	50	*V8E-235	Diesel	Hydr.
5000-5499	406	1950-51	Twin 52S2P	51	FTC-200-3	Propane	Hydr.
5500-5999	492	1953-55	Twin FT2P-40	50	FTC-200-45	Propane	Hydr.
6547	1	1948	GM-TDH-4507	45	GM-671	Diesel	Hydr.
7200-7299	100	1956-57	Mack C-49PGT	49	EN-510-A	Propane	Hydr.
8000-8149	150	1956-57	Twin FT2P-40	50	FTC-200-63	Propane	Hydr.
8200-8349	150	1958-59	Twin FT2P-40	50	FTC-200-65	Propane	Hydr.
8400-8498	99	1959	Twin FT2P-35	44	FTC-200-67	Propane	Hydr.
8499	1	1960	Twin F2DD-40	48	DD-6V-71	Diesel	Hydr.
8500-8650	151	1961-62	Twin F2D6V401	50	DD-6V-71	Diesel	Hydr.
8700-8848	149	1963	F2P-401	50	FTC-200-69	Propane	Hydr.
8849	1	1963	F2P-401	50	GMC-V8-637	Propane	Hydr.

* Cummins engines

** Air Conditioned

TROLLEY BUSES

				<u>Motor #</u>
9203-9322	1948	ACF-Brill	45	WH-1442F1A
9323-9367	1948	Pullman	45	G.E.-1213J3
9368-9412	1948	St. Louis	44	G.E.-1213J3
9413-9761	1951-52	Marmon-	49	G.E.-1213J3
		Herrington		

CHICAGO TRANSIT AUTHORITY

TURNING RADII , WHEELBASES & WEIGHTS



BUS SERIES	BODY		WEIGHT		
	TURNING RADIUS	WHEELBASE	FRONT	REAR	TOTAL
*100-249	42'-10"	284 ³ / ₄ "	5,900	14,500	20,400
*300-449	42'-0"	284 ³ / ₄ "	6,060	14,640	20,700
500-600	42'-0"	273 ¹ / ₂ "	5,400	13,700	19,100
601-700	42'-0"	281 ³ / ₄ "	5,640	13,920	19,100
*800-804	43'-6"	284 ³ / ₄ "	6,150	15,720	21,870
1400-1464	40'-0"	239 ¹ / ₂ "	5,060	12,700	17,740
*3000-3238	42'-5"	285"	6,820	14,410	21,230
*3239	42'-5"	285"	6,830	14,760	21,590
*3240-3244	42'-5"	285"	7,910	15,610	23,520
*3300-3448	35'-7"	225"	6,098	14,060	20,158
*3449	35'-7"	225"	5,910	13,960	19,850
*3500-3699	41'-10 ¹ / ₂ "	285"	6,680	14,350	21,030
5000-5499	43'-6"	279"	7,690	10,810	18,500
5500-5719	40'-0"	274 ³ / ₄ "	9,055	12,645	21,700
5720-5729	40'-0"	274 ³ / ₄ "	8,760	12,100	20,860
5730-5999	40'-0"	274 ³ / ₄ "	8,500	12,040	20,540
6547	40'-0"	239 ¹ / ₂ "	4,820	12,720	17,540
*7200-7299	42'-0"	289 ¹ / ₂ "	8,800	14,175	22,975
o8000-8149	40'-0"	274 ³ / ₄ "	8,660	12,650	21,310
*8200-8349	40'-0"	274 ³ / ₄ "	8,800	12,950	21,750
*8400-8498	34'-10"	232 ³ / ₈ "	8,610	12,170	20,780
*8499	40'-0"	274 ³ / ₄ "	7,890	15,170	23,060
*8500-8650	40'-11"	285"	6,965	14,335	21,300
*8700-8849	39'-9"	277 ³ / ₄ "	7,310	13,820	21,130

*POWER STEERING

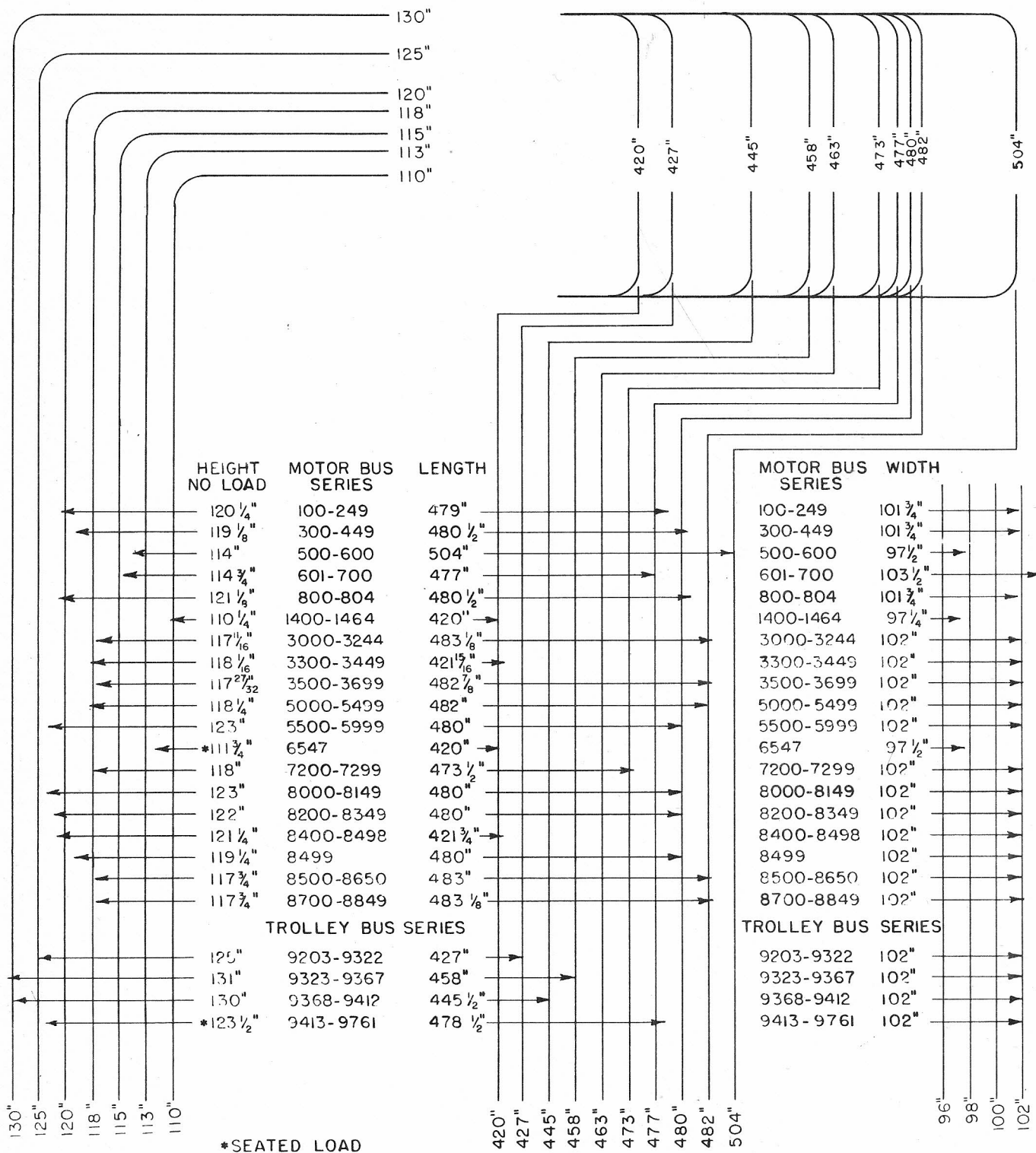
o POWER STEERING (8074 ONLY)

TROLLEY BUS SERIES

9203-9322	43'-3"	249"	6,730	12,380	19,110
9323-9367	41'-0"	240"	6,460	13,460	19,920
9368-9412	42'-3"	240"	7,460	15,140	22,600
9413-9761	44'-3"	270"	7,140	13,200	20,340

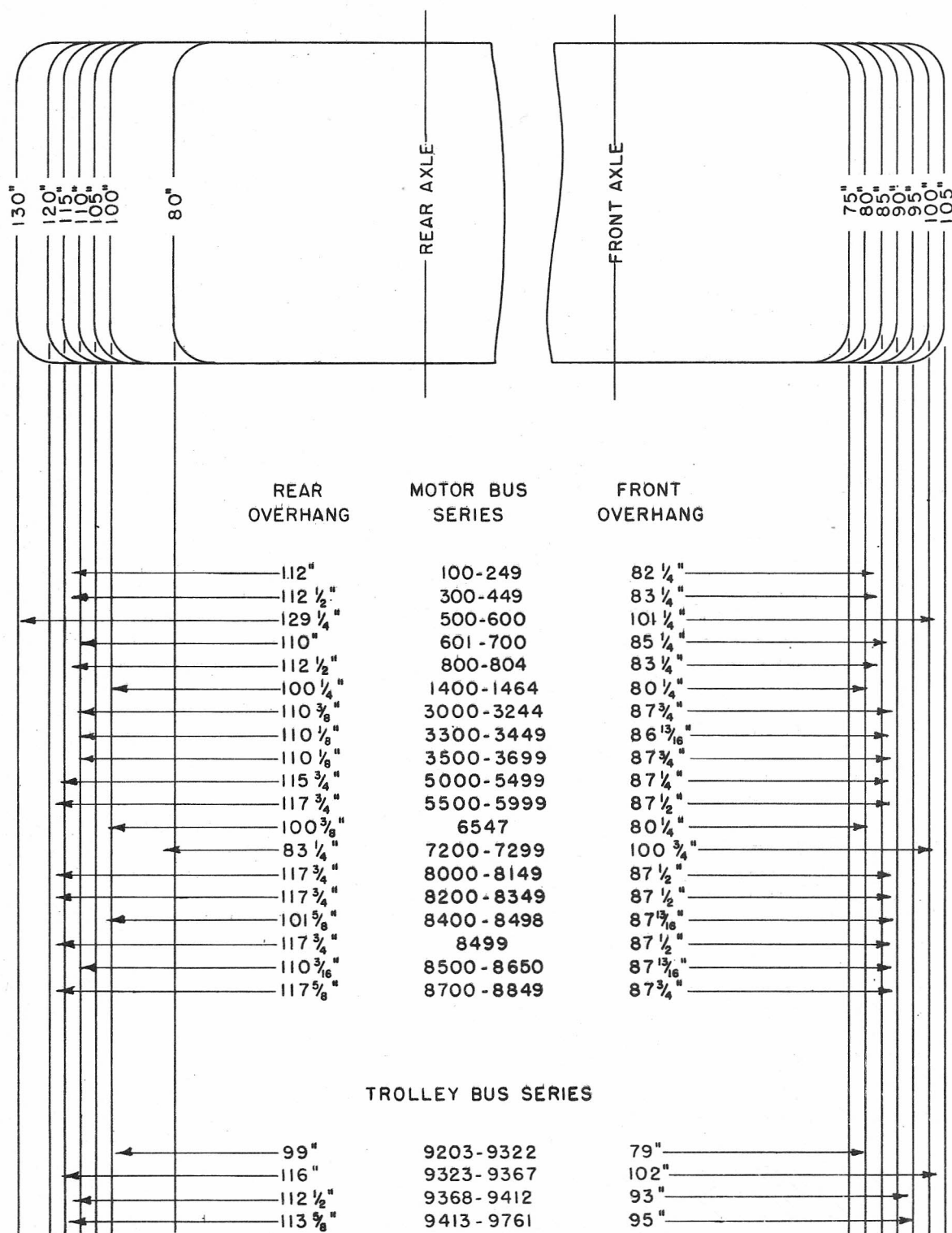
CHICAGO TRANSIT AUTHORITY

MAXIMUM HEIGHTS, LENGTHS & WIDTHS



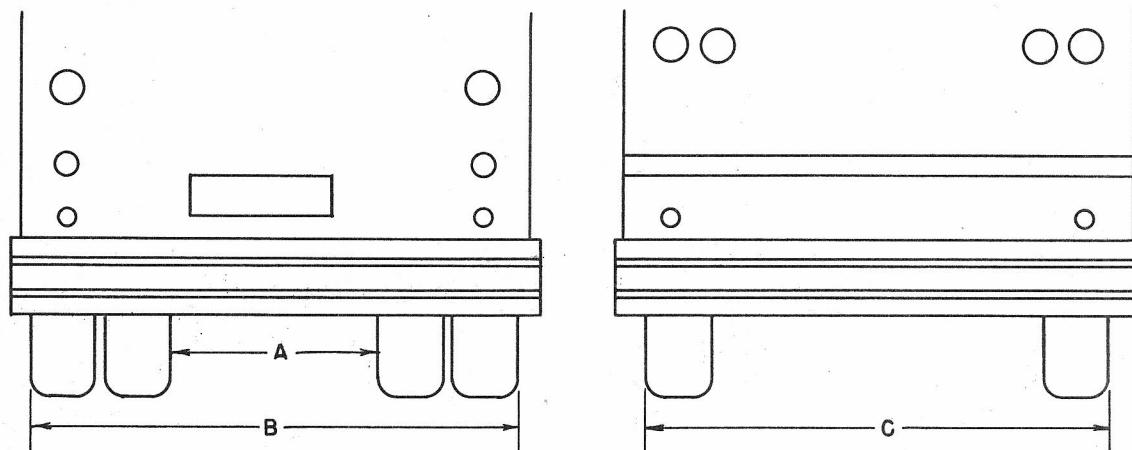
CHICAGO TRANSIT AUTHORITY

FRONT & REAR OVERHANG



CHICAGO TRANSIT AUTHORITY

TIRE TO TIRE MEASUREMENTS & TIRE SIZES



DIMENSION A	DIMENSION B	DIMENSION C	MOTOR BUS SERIES	TIRE SIZES	
				FRONT	REAR
51 ⁷ / ₈ "	101"	96 ³ / ₄ "	100-249	11:00 X 20	11:00 X 20
51 ⁷ / ₈ "	101"	96 ³ / ₄ "	300-449	11:00 X 20	11:00 X 20
46"	95 ¹ / ₄ "	92 ³ / ₄ "	500-600	11:00 X 20	11:00 X 20
51 ⁷ / ₈ "	100 ³ / ₄ "	98 ⁵ / ₈ "	601-700	11:00 X 20	11:00 X 20
51 ⁷ / ₈ "	101"	96 ³ / ₄ "	800-804	11:00 X 20	11:00 X 20
49 ¹ / ₄ "	95 ⁷ / ₈ "	91 ⁷ / ₈ "	1400-1464	10:00 X 20	10:00 X 20
52 ⁷ / ₈ "	99 ⁵ / ₈ "	98"	3000-3244	11:00 X 20	11:00 X 20
51 ¹ / ₂ "	101"	98 ³ / ₄ "	3300-3449	12:00 X 22.5	12:00 X 22.5
51 ¹ / ₂ "	101"	98 ³ / ₄ "	3500-3699	12:00 X 22.5	12:00 X 22.5
49 ¹ / ₂ "	98 ³ / ₄ "	100 ¹ / ₈ "	5000-5499	11:00 X 20	11:00 X 20
49 ¹ / ₂ "	98 ³ / ₄ "	99 ³ / ₄ "	5500-5999	11:00 X 20	11:00 X 20
49 ¹ / ₂ "	96 ¹ / ₄ "	92"	6547	11:00 X 20	11:00 X 20
51"	102 ¹ / ₂ "	96 ¹ / ₂ "	7200-7299	11:00 X 22	11:00 X 22
49 ¹ / ₂ "	98 ³ / ₄ "	99 ³ / ₄ "	8000-8149	11:00 X 20	11:00 X 20
49 ¹ / ₂ "	98 ³ / ₄ "	99 ³ / ₄ "	8200-8349	11:00 X 20	11:00 X 20
49 ¹ / ₂ "	98 ³ / ₄ "	99 ³ / ₄ "	8400-8499	11:00 X 20	11:00 X 20
51 ³ / ₈ "	99 ¹ / ₄ "	97 ¹ / ₂ "	8500-8650	11:00 X 20	11:00 X 20
51 ¹ / ₂ "	101"	97 ³ / ₄ "	8700-8849	12:00 X 22.5	12:00 X 22.5

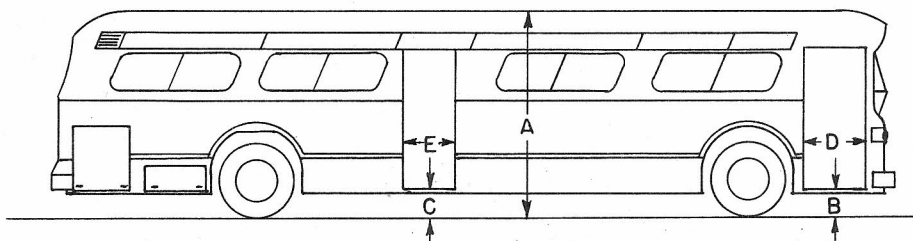
TROLLEY BUSES

47 ³ / ₄ "	96 ³ / ₄ "	92 ¹ / ₂ "	9203-9322	11:00 X 20	11:00 X 20
47 ³ / ₄ "	96"	98 ¹ / ₂ "	9323-9367	11:00 X 22	11:00 X 22
48"	97 ⁵ / ₈ "	99 ¹ / ₄ "	9368-9412	11:00 X 22	11:00 X 22
52 ³ / ₄ "	101 ¹ / ₄ "	98 ¹ / ₂ "	9413-9761	11:00 X 22	11:00 X 22

NOTE: Dimension tolerances plus or minus ¹/₂"

CHICAGO TRANSIT AUTHORITY

AISLE WIDTH, DOOR OPENING, ROOF & STEP HEIGHTS



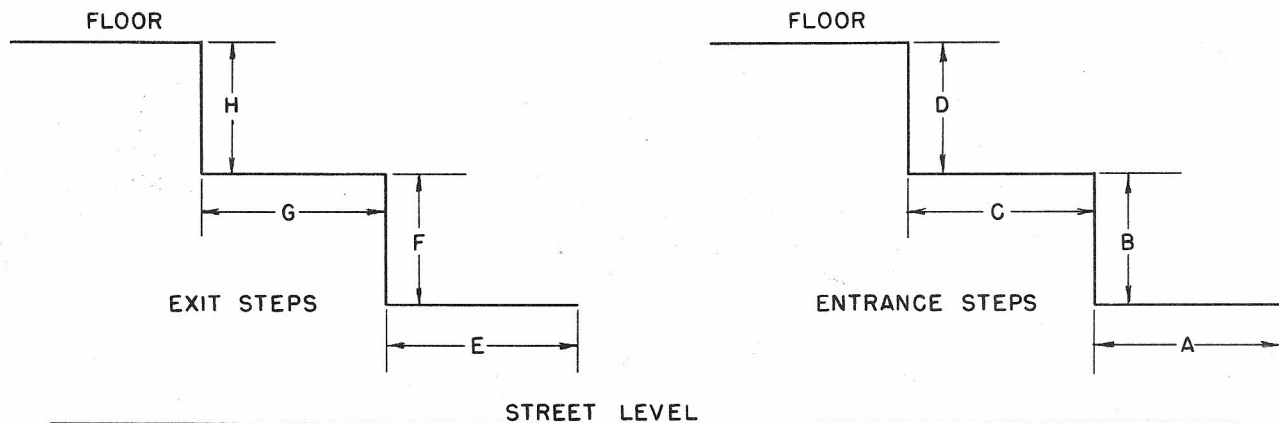
MOTOR BUS SERIES	ROOF CROWN HEIGHT A	FRONT STEP HEIGHT B	REAR STEP HEIGHT C	DOOR OPENING FRONT D	DOOR OPENING REAR E	AISLE WIDTH AT CUSHION HEIGHT
100-249	120 $\frac{1}{4}$ "	15"	16"	25 $\frac{3}{4}$ "	* 21 $\frac{1}{4}$ "	22"
300-449	119 $\frac{1}{8}$ "	13 $\frac{1}{2}$ "	15 $\frac{1}{16}$ "	27 $\frac{7}{8}$ "	* 24 $\frac{3}{4}$ "	22 $\frac{1}{4}$ "
500-600	114"	15 $\frac{1}{2}$ "	16 $\frac{5}{8}$ "	45"	ooo 29"	20"
601-700	114 $\frac{3}{4}$ "	15"	15 $\frac{1}{4}$ "	30"	o 30 $\frac{3}{16}$ "	26"
800-804	119 $\frac{1}{8}$ "	13 $\frac{1}{2}$ "	15 $\frac{1}{16}$ "	27 $\frac{7}{8}$ "	* 24 $\frac{3}{4}$ "	22 $\frac{1}{4}$ "
1400-1464	109 $\frac{1}{16}$ "	15 $\frac{3}{4}$ "	16 $\frac{7}{8}$ "	28"	ooo 24"	20"
3000-3244	117 $\frac{1}{16}$ "	14 $\frac{3}{32}$ "	15 $\frac{3}{32}$ "	27"	* 22 $\frac{1}{4}$ "	22 $\frac{7}{16}$ "
3300-3449	118 $\frac{1}{16}$ "	15"	15 $\frac{1}{4}$ "	27"	* 22 $\frac{1}{4}$ "	22 $\frac{7}{16}$ "
3500-3699	117 $\frac{27}{32}$ "	14 $\frac{7}{32}$ "	15 $\frac{7}{32}$ "	32 $\frac{1}{2}$ "	* 25"	22 $\frac{7}{16}$ "
5000-5499	113 $\frac{1}{4}$ "	16"	16"	32 $\frac{3}{4}$ "	oo 42"	28 $\frac{3}{4}$ "
5500-5999	118"	17"	17"	30 $\frac{1}{2}$ "	** 22"	28"
6547	109 $\frac{5}{16}$ "	14 $\frac{1}{8}$ "	15 $\frac{3}{16}$ "	28"	ooo 24"	20"
7200-7299	118"	15 $\frac{1}{2}$ "	15 $\frac{1}{2}$ "	30 $\frac{1}{2}$ "	** 22"	27 $\frac{7}{8}$ "
8000-8149	117 $\frac{1}{4}$ "	17"	17"	30 $\frac{1}{2}$ "	** 22"	28"
8200-8349	116 $\frac{1}{4}$ "	16"	16"	30 $\frac{1}{2}$ "	** 22"	28"
8400-8498	115 $\frac{1}{2}$ "	15"	15"	30 $\frac{1}{2}$ "	* 24"	26"
8499	116 $\frac{1}{4}$ "	16"	16"	30 $\frac{1}{2}$ "	** 22"	26"
8500-8650	117 $\frac{9}{8}$ "	14 $\frac{1}{4}$ "	15 $\frac{1}{8}$ "	26 $\frac{1}{4}$ "	* 22 $\frac{1}{2}$ "	22 $\frac{7}{16}$ "
8700-8849	117 $\frac{11}{16}$ "	14 $\frac{3}{32}$ "	15 $\frac{3}{32}$ "	27 $\frac{1}{4}$ "	* 23 $\frac{1}{8}$ "	22 $\frac{7}{16}$ "

TROLLEY BUS SERIES	HEIGHT ROOF CROWN A	HEIGHT OVER TROLLEY B	STEP HEIGHTS FRONT B	STEP HEIGHTS REAR C	DOOR OPENING FRONT D	DOOR OPENING REAR E	AISLE WIDTH AT CUSHION HEIGHT
9203-9322	115"	125"	15 $\frac{1}{4}$ "	15 $\frac{3}{8}$ "	32"	ooo 30"	26"
9323-9367	117 $\frac{1}{8}$ "	131"	15"	15"	45"	* 29"	29"
9368-9412	114 $\frac{3}{8}$ "	130"	15 $\frac{7}{8}$ "	16 $\frac{1}{4}$ "	45"	* 26"	27 $\frac{1}{2}$ "
9413-9761	113"	123 $\frac{1}{2}$ "	15"	15"	45"	oo 45"	30"

- *SINGLE EXIT PUSH DOOR
- **DOUBLE EXIT PUSH DOOR
- ooo SINGLE EXIT TREADLE DOOR
- oo DOUBLE EXIT TREADLE DOOR
- o 81 BUSES HAVE SINGLE EXIT PUSH DOORS

CHICAGO TRANSIT AUTHORITY

STEP TREAD DEPTHS & STEP RISER HEIGHTS



MOTOR BUS SERIES

EXIT STEPS

ENTRANCE STEPS

	E	F	G	H	A	B	C	D
100-249	13 ¹ / ₈ "	9 ⁵ / ₈ "	13 ³ / ₈ "	9 ¹ / ₂ "	12 ³ / ₈ "	10"	12 ³ / ₈ "	10"
300-449	13 ¹ / ₈ "	9 ⁵ / ₈ "	13 ³ / ₈ "	9 ¹ / ₂ "	12 ³ / ₈ "	10"	12 ³ / ₈ "	10"
500-600	10 ¹ / ₂ "	9 ¹ / ₄ "	11"	9 ¹ / ₄ "	10 ¹ / ₄ "	8 ¹ / ₂ "	10 ¹ / ₄ "	8 ¹ / ₄ "
601-700	10 ¹ / ₈ "	9 ¹ / ₂ "	10 ¹ / ₈ "	9 ³ / ₈ "	11 ³ / ₈ "	9"	11"	9"
800-804	13 ¹ / ₄ "	9 ⁵ / ₈ "	13 ¹ / ₄ "	9 ⁵ / ₈ "	12 ³ / ₈ "	10"	12 ³ / ₈ "	10"
1400-1464	21"	13 ³ / ₈ "			21"-23"			
3000-3244	13"	10 ¹ / ₈ "	13"	10 ¹ / ₈ "	12 ¹ / ₄ "	10"	12 ¹ / ₄ "	10"
3300-3449	12"	10"	12 ¹ / ₄ "	10"	12"	10"	12 ¹ / ₄ "	10"
3500-3699	12"	10"	12 ³ / ₈ "	10"	12"	10"	12 ³ / ₈ "	10"
5000-5499	17 ³ / ₈ "	8 ³ / ₄ "	11 ⁷ / ₈ "	8 ¹ / ₂ "	14 ⁷ / ₈ "	8 ¹ / ₈ "	10 ³ / ₄ "	8 ³ / ₈ "
5500-5999	13 ¹ / ₈ "	10 ¹ / ₈ "	13 ¹ / ₈ "	10"	14 ³ / ₈ "	10"	13 ¹ / ₄ "	10"
6547	21 ¹ / ₄ "	12 ³ / ₈ "			20"-23"	12 ⁷ / ₈ "		
7200-7299	10 ⁵ / ₈ "	9 ³ / ₄ "	10 ³ / ₄ "	9 ³ / ₄ "	10"-11"	9"	10 ¹ / ₂ "-11 ¹ / ₂ "	9 ¹ / ₄ "
8000-8149	13 ¹ / ₈ "	10"	13 ¹ / ₈ "	10"	14 ³ / ₈ "	10"	13 ¹ / ₄ "	10"
8200-8349	13 ¹ / ₈ "	10"	13 ¹ / ₈ "	10"	14 ³ / ₈ "	10"	13 ¹ / ₄ "	10"
8400-8499	13 ¹ / ₈ "	10"	13 ¹ / ₈ "	10"	14 ³ / ₈ "	10"	13 ¹ / ₄ "	10"
8500-8650	12 ⁷ / ₈ "	10"	13 ¹ / ₄ "	10"	14 ³ / ₈ "	10 ¹ / ₂ "	13"	10 ¹ / ₂ "
8700-8849	12 ⁷ / ₈ "	10"	13 ¹ / ₄ "	10"	14 ³ / ₈ "	10 ¹ / ₂ "	13"	10 ¹ / ₂ "

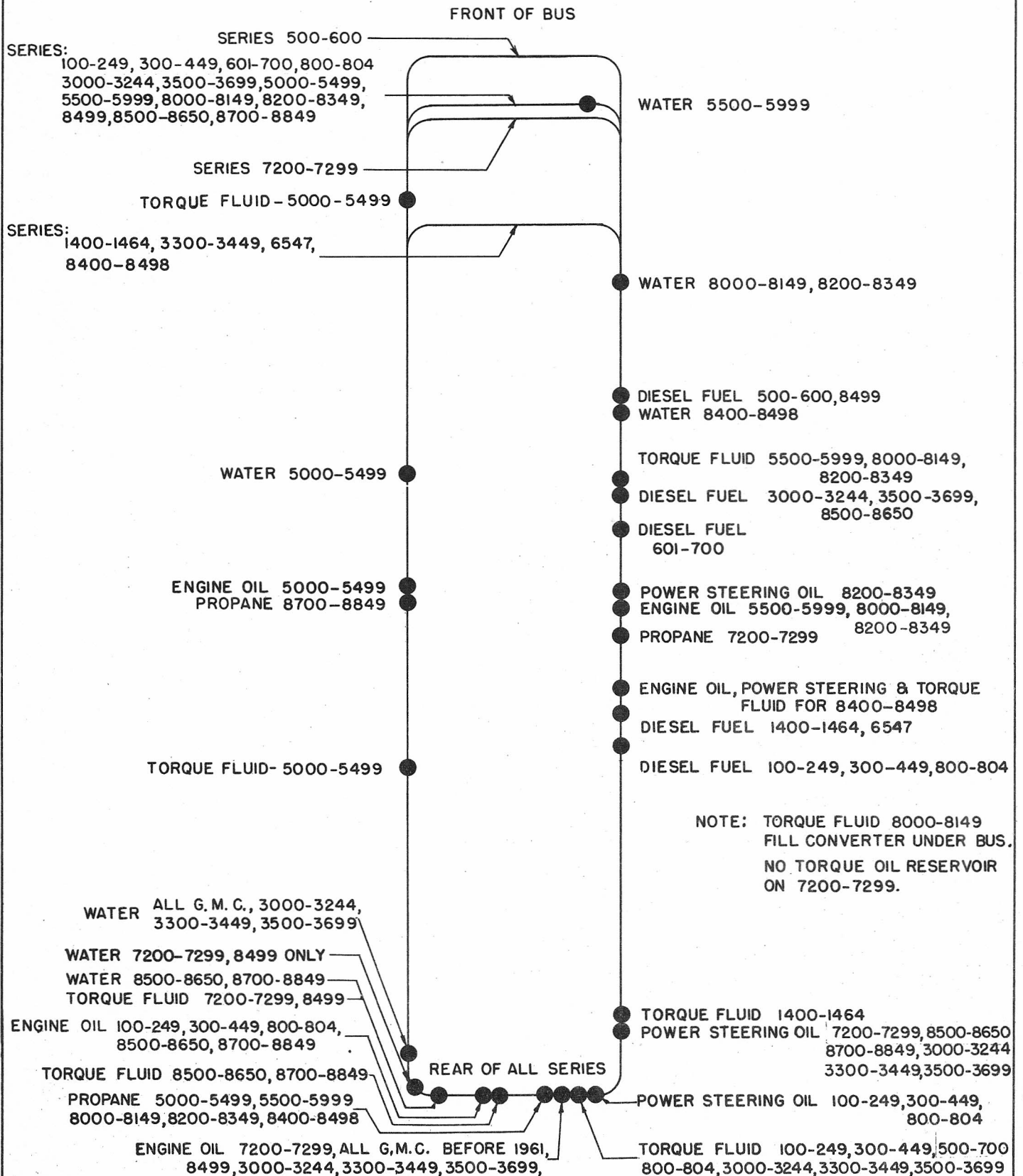
TROLLEY BUSES

9203-9322	11 ¹ / ₂ "	8 ¹ / ₄ "	11 ¹ / ₂ "	8 ¹ / ₄ "	12 ¹ / ₂ "	9 ³ / ₄ "	13 ¹ / ₂ "	9 ¹ / ₂ "
9323-9367	13 ¹ / ₄ "	9 ¹ / ₂ "	13 ¹ / ₂ "	9 ¹ / ₄ "	11 ³ / ₄ "	9 ¹ / ₄ "	10 ¹ / ₄ "	9 ¹ / ₄ "
9368-9412	12 ³ / ₄ "	9"	12 ¹ / ₂ "	9 ¹ / ₄ "	11"	8 ³ / ₄ "	10 ³ / ₄ "	9 ¹ / ₄ "
9413-9761	11"	8 ¹ / ₂ "	11 ³ / ₄ "	9"	13"-13 ³ / ₄ "	8 ¹ / ₄ "	11 ³ / ₄ "	9"

CHICAGO TRANSIT AUTHORITY

OFFICE OF EQUIPMENT RESEARCH & DEVELOPMENT

LOCATION OF ENGINE, POWER STEERING & TORQUE OIL , WATER & FUEL INLETS



CHICAGO TRANSIT AUTHORITY

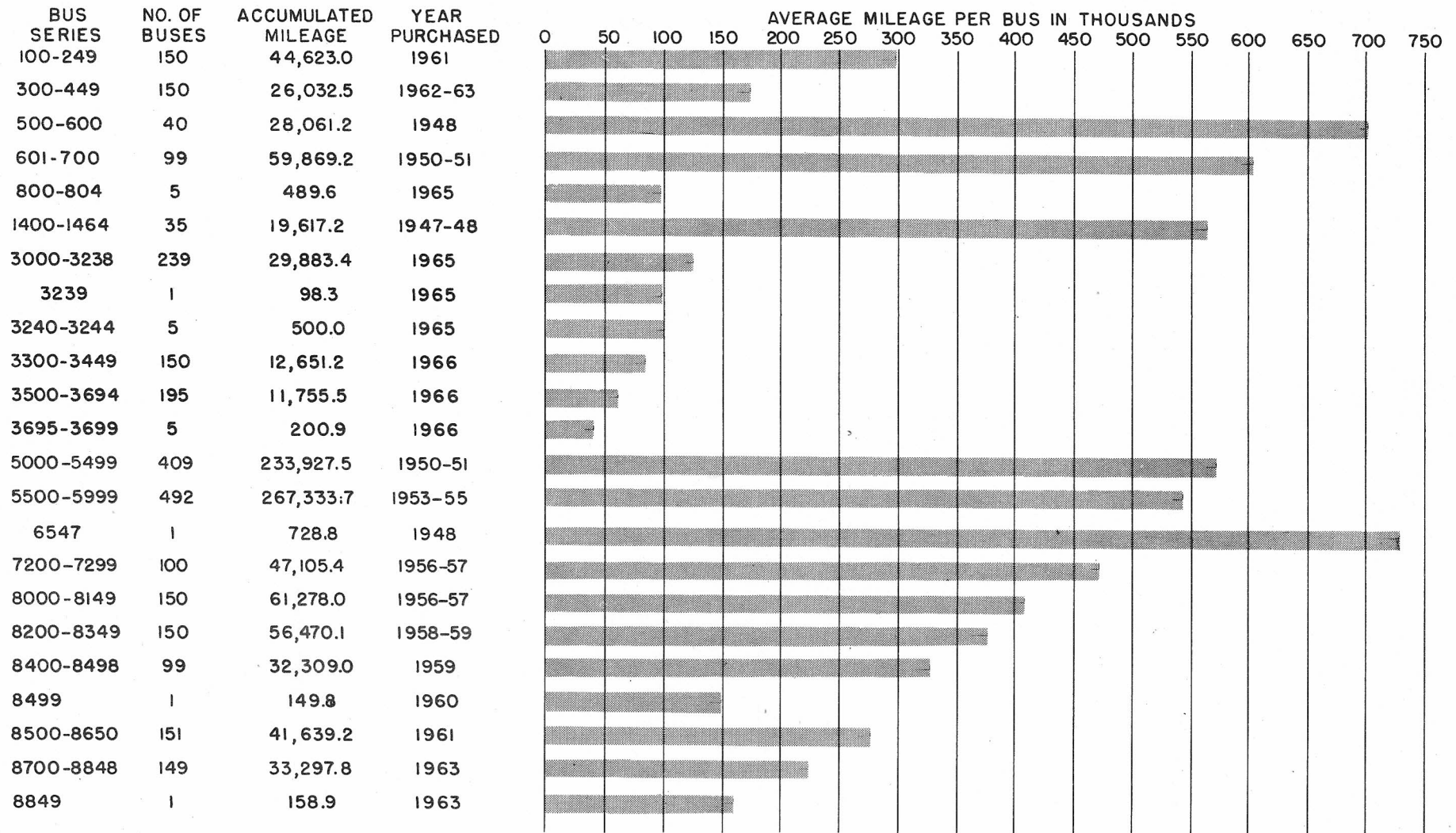
RECOMMENDED "ON THE STREET" SCHEDULE MILES

BUS SERIES	FUEL TANK CAPACITY "GALLONS"		AVERAGE MILES PER GALLON	RECOMMENDED SCHEDULE MILES
	STATED	ACTUAL		
100-249	95	86	4.01	345
300-449	95	86	3.75	323
500-600	85	82	3.74	307
601-700	85	82	3.57	293
800-804	125	120	4.61	553
1400-1464	85	82	4.01	329
3000-3238	95	86	3.95	340
3239	125	120	4.32	518
3240-3244	125	120	3.95	474
3300-3449	125	125	4.14	518
3500-3694	125	125	4.04	505
3695-3699	125	125	4.16	520
5000-5499	100	104	1.93	200
5500-5999	100	104	1.80	187
6547	85	82	4.13	339
7200-7299	125	125	1.60	2.00
8000-8149	125	125	1.71	214
8200-8349	125	125	1.85	231
8400-8498	125	125	1.94	243
8499	125	120	4.11	493
8500-8650	95	85	3.62	308
8700-8848	140	141	1.88	265
8849	140	141	1.60	226

Average of 6 periods ending 3-23-68

CHICAGO TRANSIT AUTHORITY

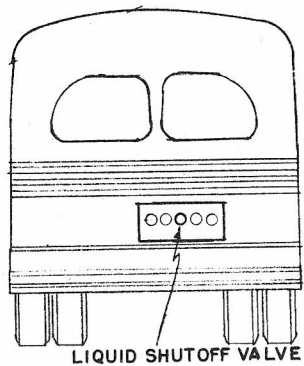
AVERAGE MILEAGE PER BUS & TOTAL ACCUMULATED BY SERIES



Mileage shown is in thousands as of period ending 5-18-68

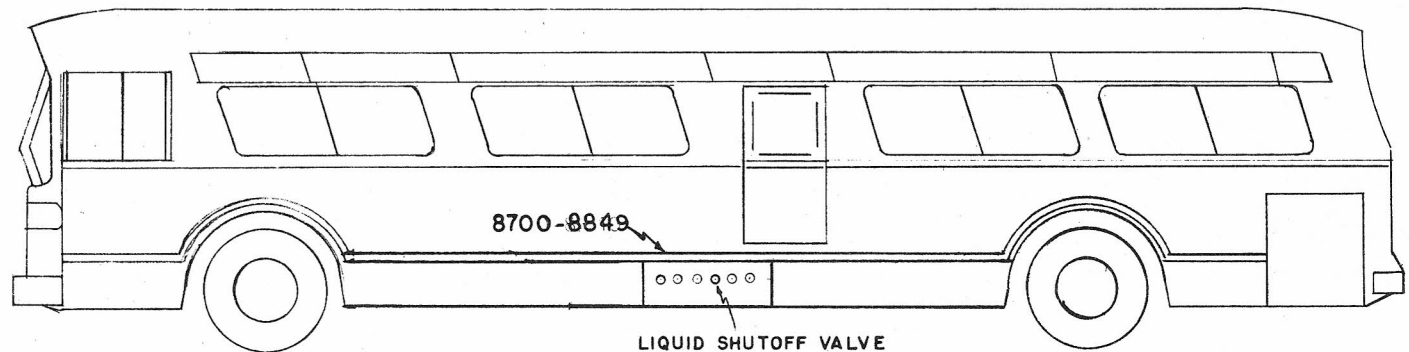
OFFICE OF EQUIPMENT RESEARCH & DEVELOPMENT

CHICAGO TRANSIT AUTHORITY
PROPANE SHUTOFF VALVE LOCATION



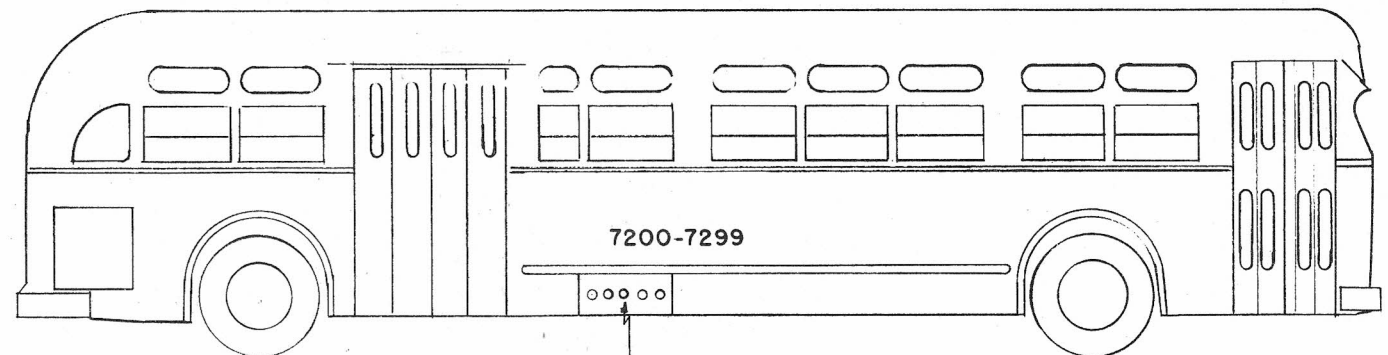
LIQUID SHUTOFF VALVE

5000-5499
5500-5999
8000-8148
8200-8349
8400-8498



8700-8849

LIQUID SHUTOFF VALVE



7200-7299

LIQUID SHUTOFF VALVE

