

MOTOR and TROLLEY BUS DATA



CHICAGO TRANSIT AUTHORITY

1960

CHICAGO TRANSIT AUTHORITY

BUS DATA

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>
61-72	12	1947	GM-TDH-3207	32	GM-471	Diesel	Hydr.
500-600	100	1948	GM-TDH-5502	55	GM-671	Diesel	Hydr.
601-700	100	1950-51	GM-TDH-5103	51	GM-671	Diesel	Hydr.
1101-1144	29	1939	GM-TDH-4501	45	GM-671	Diesel	Hydr.
1145-1169	23	1940	GM-TDH-4502	45	GM-671	Diesel	Hydr.
1170-1204	28	1942	GM-TDH-4505	45	GM-671	Diesel	Hydr.
1205-1399	195	1945-6	GM-TDH-4506	45	GM-671	Diesel	Hydr.
1400-1464	65	1947-8	GM-TDH-4507	45	GM-671	Diesel	Hydr.
1600-1619	18	1946	TC-38S	37	FTC-180	Gas	Hydr.
1620-1624	5	1946	TC-34S	34	FTC-180	Gas	Hydr.
1700-1799	100	1948	TC-44S	44	FTC-180-1	Gas	Hydr.
1800-1817	16	1947	TC-44S	44	FTC-180	Gas	Hydr.
2500-2545	45	1948	ACF-C-44	44	HS-180	Gas	Hydr.
2546-2605	32	1947	ACF-C-44	44	HS-180	Gas	Mech.
2700	1	1951	ACF-C-48	48	HS-180-4	Propane	Hydr.
2701-2750	50	1951	ACF-C-44	44	HS-180-4	Propane	Hydr.
3496-3597	95	1947-8	White 798	44	White 24-AF	Gas	Hydr.
3598-3697	98	1948	White 798	44	White 24-AL	Gas	Hydr.
5000-5499	499	1950-51	TC-52S	51	FTC-200-3	Propane	Hydr.
5500-5999	500	1953-4-5	F-2-P40	50	FTC-200-45	Propane	Hydr.
6501-6520	19	1946	GM-TDH-4506	45	GM-671	Diesel	Hydr.
6521-6630	108	1947-8	GM-TDH-4507	45	GM-671	Diesel	Hydr.
6800-6838	39	1946	GM-TGH-3609	36	GM-477	Gas	Hydr.
7200-7299	100	1956-7	Mack-C-49-P	49	EN-510-A	Propane	Hydr.
8000-8148	149	1956-7	F-2-P40	50	FTC-200-63	Propane	Hydr.
8149	1	1957	F-2-D40	50	Leyland	Diesel	Hydr.
8200-8349	150	1958-9	F-2-P40	50	FTC-200-65	Propane	Hydr.
8400-8498	99	1959	F-2-P35	44	FTC-200-67	Propane	Hydr.
8499	1	1960	F-DD-40	48	GM-DD-V6	Diesel	Hydr.

Total 2677

TROLLEY BUSES

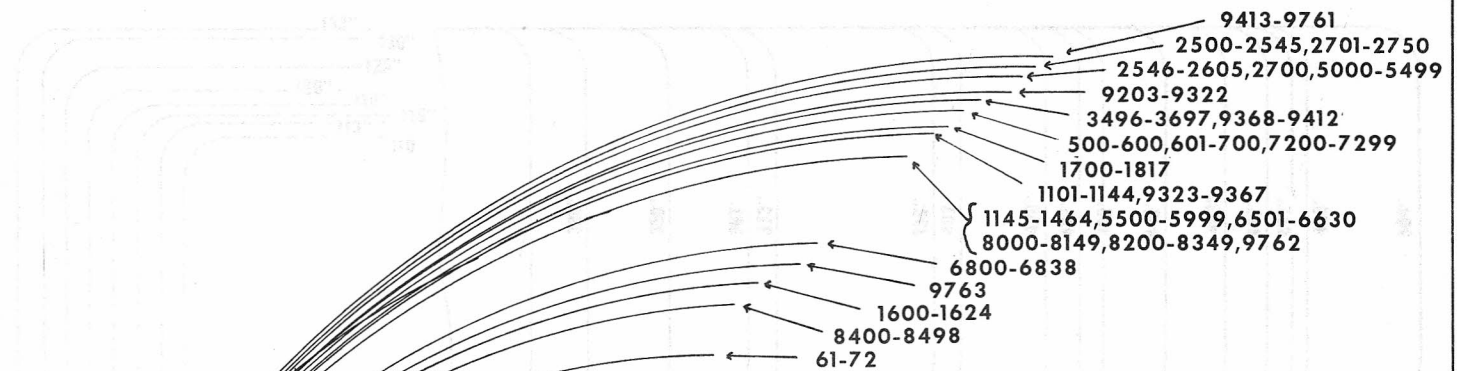
<u>Bus Series</u>	<u>No. of Buses</u>	<u>Builder</u>	<u>Motor No.</u>	<u>Seats</u>	<u>Year</u>
9203-9322	120	ACF-Brill	WH-1442	44	1948
* 9323-9367	45	Pullman	GE-1213J3	44	1948
9368-9412	45	St. Louis	GE-1213J3	45	1948
9413-9761	349	Marmon-Herrington	GE-1213J3	49	1951-52
9762	1	ACF-Brill	GE-1213J1	48	1950
9763	1	Twin Coach	WH-1442	58	1948

* 9358-59-60
WH-1442N Motors

Total 561
Grand Total 3221

General Superintendent of Engineering
Office of Equipment Engineer

CHICAGO TRANSIT AUTHORITY TURNING RADII, WHEELBASES and WEIGHTS VARIOUS TYPES OF BUSES



TURNING RADIUS	MOTOR BUS SERIES	WHEEL BASE	WEIGHT		
			FRONT	REAR	TOTAL
31'-7"	61-72	181½"	5,160	10,410	15,570
42'-0"	500-600	273½"	5,400	13,700	19,100
42'-0"	601-700	281¾"	5,640	13,920	19,560
41'-0"	1101-1144	257"	6,130	13,310	19,410
40'-0"	1145-1169	239½"	4,910	13,070	17,960
40'-0"	1170-1204	239½"	5,230	13,520	18,730
40'-0"	1205-1399	239½"	5,100	12,480	17,540
40'-0"	1400-1464	239½"	5,060	12,700	17,740
35'-5"	1600-1619	189"	6,100	7,100	13,200
35'-5"	1620-1624	189"	6,100	6,800	12,900
41'-3"	1700-1817	218"	6,400	8,700	15,100
43'-10"	2500-2545	249"	7,550	10,900	18,450
43'-6"	2546-2605	249"	7,620	10,820	18,440
43'-6"	2700 ONLY	247"	8,800	12,530	21,270
43'-10"	2701-2750	249"	7,660	11,640	19,300
42'-4"	3496-3597	238"	7,100	11,980	19,080
42'-4"	3598-3697	238"	7,170	12,050	19,220
43'-6"	5000-5499	279"	7,690	10,810	18,500
40'-0"	5500-5719	274¾"	9,055	12,645	21,700
40'-0"	5720-5729	274¾"	8,760	12,100	20,860
40'-0"	5730-5999	274¾"	8,500	12,040	20,540
40'-0"	6501-6530	239½"	4,700	12,500	17,200
40'-0"	6531-6630	239½"	4,820	12,720	17,540
36'-3"	6800-6838	210½"	5,000	9,900	14,900
42'-0"	7200-7299	289½"	8,800	14,175	22,975
40'-0"	8000-8148	274¾"	8,660	12,650	21,310
40'-0"	8149 ONLY	274¾"	9,542	12,858	22,400
40'-0"	8200-8349	274¾"	8,800	12,950	21,750
34'-10"	8400-8498	232-3/8"	8,610	12,170	20,780
40'-0"	8499 ONLY	274¾"	7,245	14,910	22,155

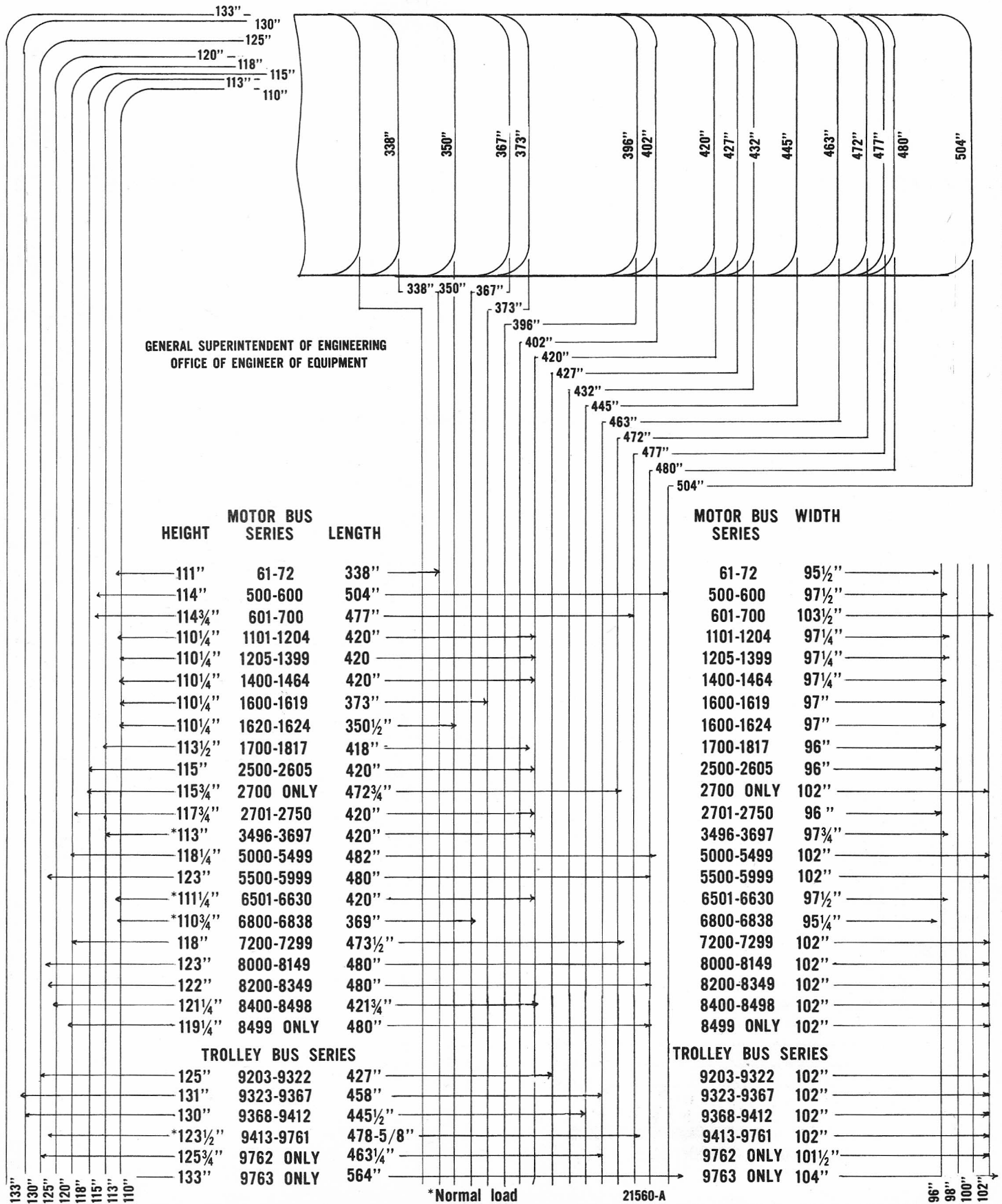
TROLLEY BUS SERIES

43'-3"	9203-9322	249"	6,730	12,380	19,110
41'-0"	9323-9367	240"	6,460	13,460	19,920
42'-3"	9368-9412	240"	7,460	15,140	22,600
44'-3"	9413-9761	270"	7,140	13,200	20,340
40'-0"	9762 ONLY	247"	6,210	12,440	18,650
35'-10"	9763 ONLY	384"	5,800	5,600	22,800

CENTER 11,000

GENERAL SUPERINTENDENT OF ENGINEERING
OFFICE OF ENGINEER OF EQUIPMENT

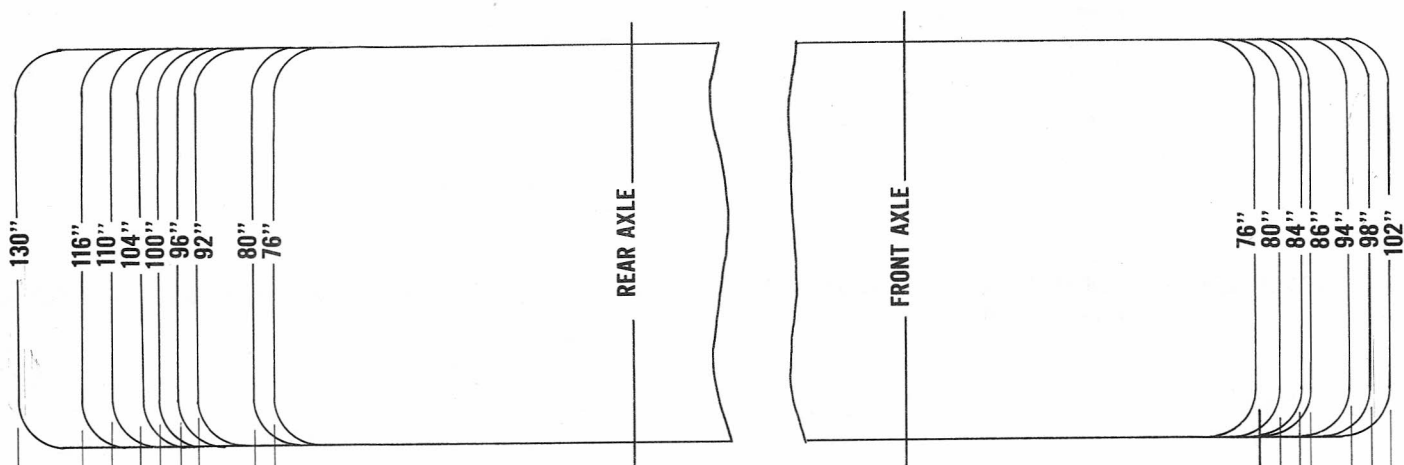
CHICAGO TRANSIT AUTHORITY MAXIMUM HEIGHTS, LENGTHS & WIDTHS VARIOUS TYPES OF BUSES



Chicago Transit Authority

FRONT AND REAR OVERHANG

Various Types of Buses



REAR OVERHANG MOTOR BUS SERIES FRONT OVERHANG

76 1/4"	61-72	80 1/4"
129 1/4"	500-600	101 1/4"
110"	601-700	85 1/4"
83"	1101-1144	81"
100 1/4"	1145-1204	80 1/4"
100 1/4"	1205-1399	80 1/4"
100 1/4"	1400-1464	80 1/4"
99 1/2"	1600-1619	84 1/2"
77"	1620-1624	84 1/2"
115 1/2"	1700-1817	84 1/2"
92"	2500-2605	79"
127 3/4"	2700 ONLY	98"
92"	2701-2750	79"
105 1/2"	3496-3697	76 1/2"
115 3/4"	5000-5499	87 1/4"
115 3/4"	5500-5999	82 1/2"
100 1/4"	6501-6630	80 1/4"
78 1/2"	6800-6838	80 1/4"
80 3/4"	7200-7299	97 3/4"
115 3/4"	8000-8149	82 1/2"
115 3/4"	8200-8349	82 1/2"
101 3/4"	8400-8498	87 3/4"
115 3/4"	8499 ONLY	82 1/2"

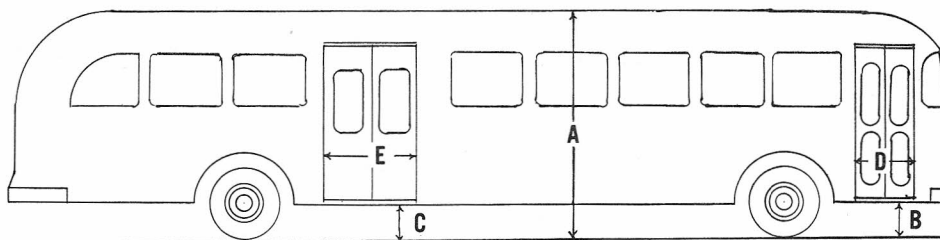
TROLLEY BUS SERIES

99"	9203-9322	79"
116"	9323-9367	102"
112 1/2"	9368-9412	93"
113 1/2"	9413-9761	95"
114 1/2"	9762 ONLY	102"
95 1/2"	9763 ONLY	84 1/2"

GENERAL SUPERINTENDENT OF ENGINEERING
OFFICE OF ENGINEER OF EQUIPMENT

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
61-72	110-1/16"	14 3/4"	15-11/16"	25"	23"	20 1/2"
500-600	114"	15 1/2"	16-5/8"	45"	29"	20"
601-700	114 3/4"	15"	15 1/4"	30"	30"	26"
1101-1204	110-5/16"	15 3/4"	15"	28"	24"	21 1/4"
1205-1399	110-5/16"	15 3/4"	15"	28"	24"	21 1/4"
1400-1464	110-5/16"	15 3/4"	15"	28"	24"	21 1/4"
1600-1624	110-1/8"	15 1/4"	15 1/4"	34"	27"	22"
1700-1817	111-1/8"	16 1/4"	16 1/4"	34"	27"	22"
2500-2605	115"	15 1/4"	15-3/8"	32"	30"	21"
2700 ONLY	115 3/4"	15 1/4"	15 3/4"	47"	43"	23 1/2"
2701-2750	117 3/4"	16"	17 3/4"	27-5/8"	28"	21"
3496-3697	112-11/16"	14-7/8"	16-13/16"	25"	25"	21"
5000-5499	113 1/4"	16"	16"	32"	42"	28 3/4"
5500-5999	117"	17"	17"	32"	22"	28"
6501-6630	109-5/16"	14-1/8"	15-3/16"	28"	24"	20"
6800-6838	109-1/8"	13-13/16"	14-13/16"	28"	24"	20"
7200-7299	118"	15 1/2"	15 1/2"	30 1/2"	22"	27-7/8"
8000-8149	117 1/4"	17"	17"	30 1/2"	22"	28"
8200-8349	116 1/4"	16"	16"	30 1/2"	22"	28"
8400-8498	115 1/2"	15"	15"	30 1/2"	24"	26"
8499 ONLY	113 1/2"	13"	15"	30 1/2"	22"	26"

TROLLEY BUS SERIES	ROOF CROWN HEIGHT OVER TROLLEY A	STEP HEIGHTS		DOOR OPENING		AISLE WIDTH
		FRONT B	REAR C	FRONT D	REAR E	
9203-9322	115"	125"	15 1/4"	32"	30"	26"
9323-9367	117-1/8"	131"	15"	45"	26"	29"
9368-9412	114-3/8"	130"	15-7/8"	45"	26"	27 1/2"
9413-9761	113"	123 1/2"	15"	45"	45"	30"
9762 ONLY	115-1/8"	129-1/8"	15 1/2"	45"	27"	27"
9763 ONLY	111-1/8"	121-1/8"	13"	32"	46"	30 1/4"

* SINGLE EXIT PUSH DOOR

** DOUBLE EXIT PUSH DOOR

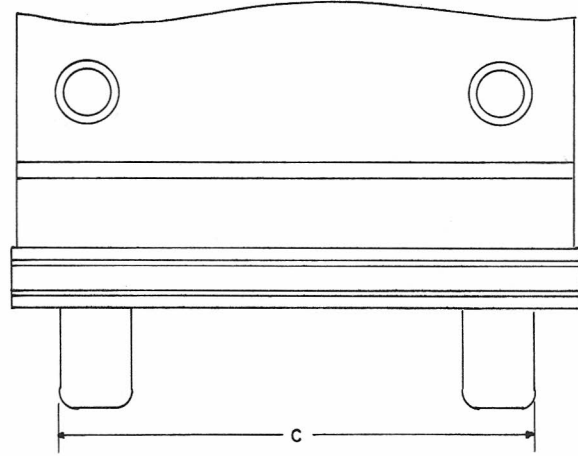
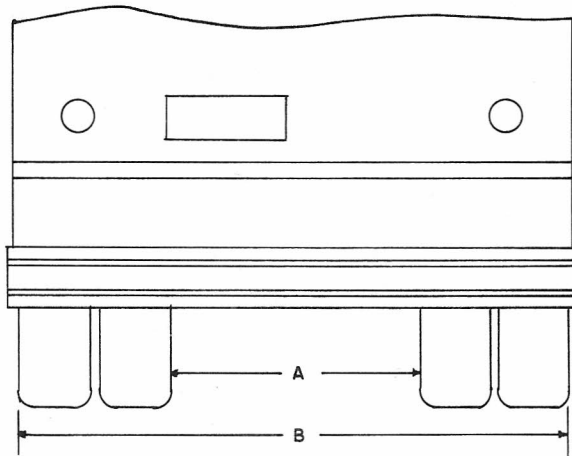
°° DOUBLE EXIT TREADLE DOOR

° 83 BUSES HAVE SINGLE EXIT PUSH DOORS

GENERAL SUPERINTENDENT OF ENGINEERING
OFFICE OF ENGINEER OF EQUIPMENT

CHICAGO TRANSIT AUTHORITY

TIRE TO TIRE MEASUREMENTS AND TIRE SIZES



DIMENSION "A"	DIMENSION "B"	DIMENSION "C"	MOTOR BUS SERIES	TIRE SIZES FRONT	REAR
51"	95-1/2"	92-1/4"	61-72	10:00 X 20	10:00 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
49-1/4"	95-7/8"	91-7/8"	1101-1464	10:00 X 20	10:00 X 20
51"	97"	92"	1600-1624	10:00 X 20	10:00 X 20
50-9/16"	95-3/4"	93"	1700-1817	11:00 X 20	10:00 X 20
46-1/2"	95-1/2"	93"	2500-2545	11:00 X 20	11:00 X 20
46-1/2"	95-1/2"	93"	2546-2605	11:00 X 20	11:00 X 20
47-3/4"	101-1/2"	100"	2700 ONLY	12:00 X 20	12:00 X 20
46-3/4"	96"	92-1/4"	2701-2750	11:00 X 22	11:00 X 22
47-1/2"	97-3/4"	94-3/4"	3496-3697	11:00 X 20	12:00 X 20
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"	6501-6630	11:00 X 20	11:00 X 20
49-1/4"	95-1/4"	92"	6800-6838	10:00 X 20	10:00 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"	8000-8148	11:00 X 20	11:00 X 20
49-1/2"	98-3/4"	99-3/4"	8149 ONLY	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"	8400-8498	11:00 X 20	11:00 X 20
49-1/2"	98-3/4"	99-3/4"	8499 ONLY	11:00 X 20	11:00 X 20

			TROLLEY BUS SERIES	TIRE SIZES FRONT	REAR
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
51-3/4"	102-1/4"	98-1/4"	9762-	11:00 X 22	11:00 X 22
53"	99-3/4"	100-1/4"	9763	10:00 X 20	10:00 X 20

* Some buses of this series will have 12:00 X 20 tires installed on rear wheels

NOTE: Dimension tolerances plus or minus 1/2"

°3600-3697 11:00 X 20 tires front and rear

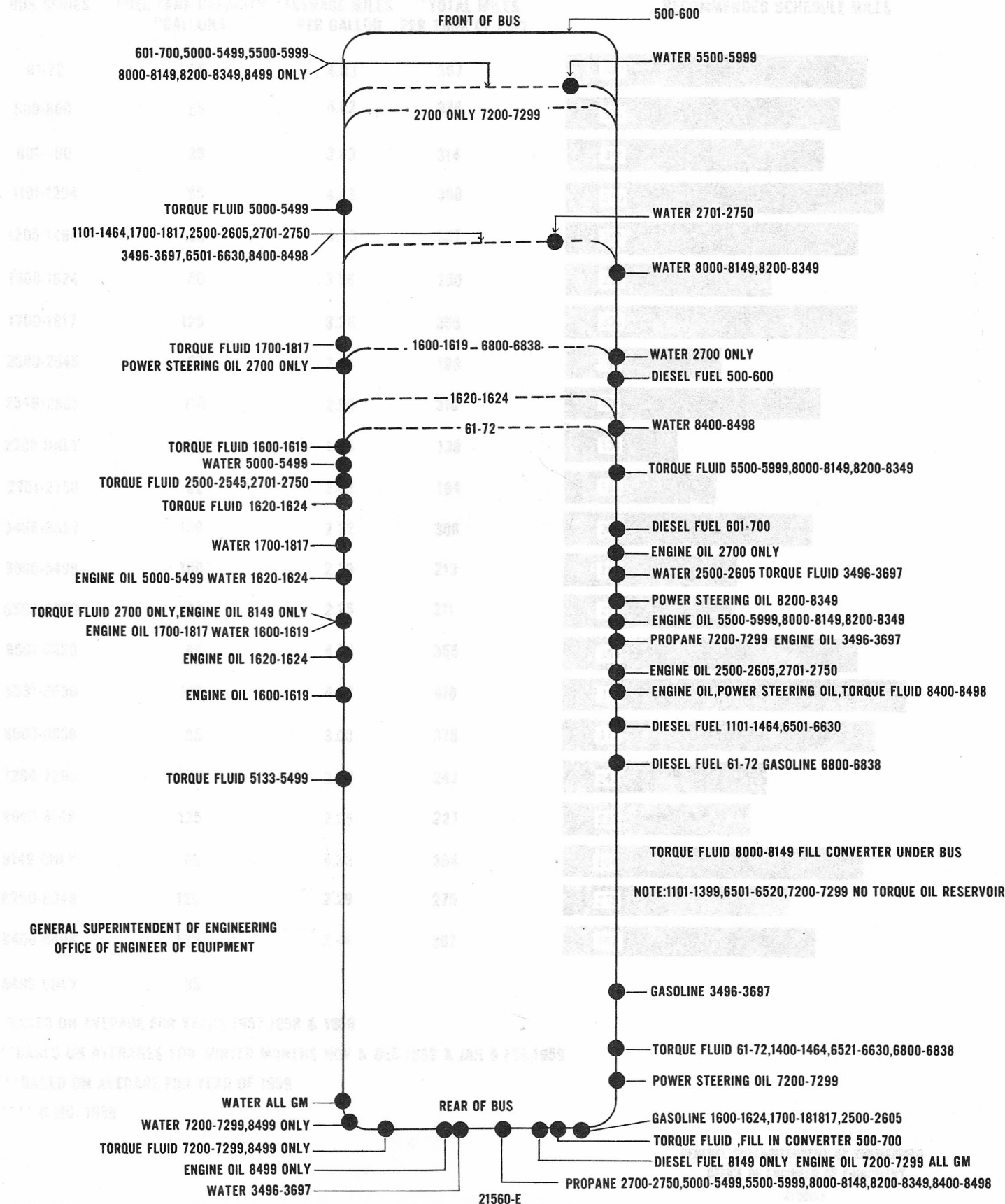
°6601-6630 10:00 X 20 tires front and rear

GENERAL SUPERINTENDENT OF ENGINEERING
Office of Engineer of Equipment

CHICAGO TRANSIT AUTHORITY

LOCATION of ENGINE,FUEL,POWER STEERING & TORQUE OIL and WATER INLETS ON the VARIOUS TYPES of MOTOR BUSES

NOTE: DOTTED LINES INDICATE FRONT END OF BUS, SERIES AS SHOWN



CHICAGO TRANSIT AUTHORITY

RECOMMENDED 'ON THE STREET' SCHEDULE MILES

FOR THE VARIOUS TYPE MOTOR BUSES

BUS SERIES	FUEL TANK CAPACITY "GALLONS"	*AVERAGE MILES PER GALLON	**TOTAL MILES PER TANK OF FUEL	RECOMMENDED SCHEDULE MILES
61-72	85	4.83	367	367
500-600	85	4.02	334	334
601-700	85	3.83	314	314
1101-1204	85	4.43	386	386
1205-1464	85	4.23	357	357
1600-1624	80	3.56	250	250
1700-1817	125	3.26	356	356
2500-2545	88	2.34	188	188
2546-2605	110	2.96	310	310
2700 ONLY	92	1.64	138	138
2701-2750	92	2.09	184	184
3496-3697	130	2.32	306	306
5000-5499	100	2.33	213	213
5500-5999	100	2.25	211	211
6501-6530	85	4.28	355	355
6531-6630	100	4.28	418	418
6800-6838	85	3.00	378	378
7200-7299	125	2.06	247	247
8000-8148	125	2.05	227	227
8149 ONLY	85	4.33	364	364
8200-8349	125	*** 2.29	275	275
8400-8498	125	**** 2.44	307	307
8499 ONLY	85			

*BASED ON AVERAGE FOR YEARS 1957,1958 & 1959

**BASED ON AVERAGES FOR WINTER MONTHS NOV & DEC,1958 & JAN & FEB,1959

***BASED ON AVERAGE FOR YEAR OF 1959

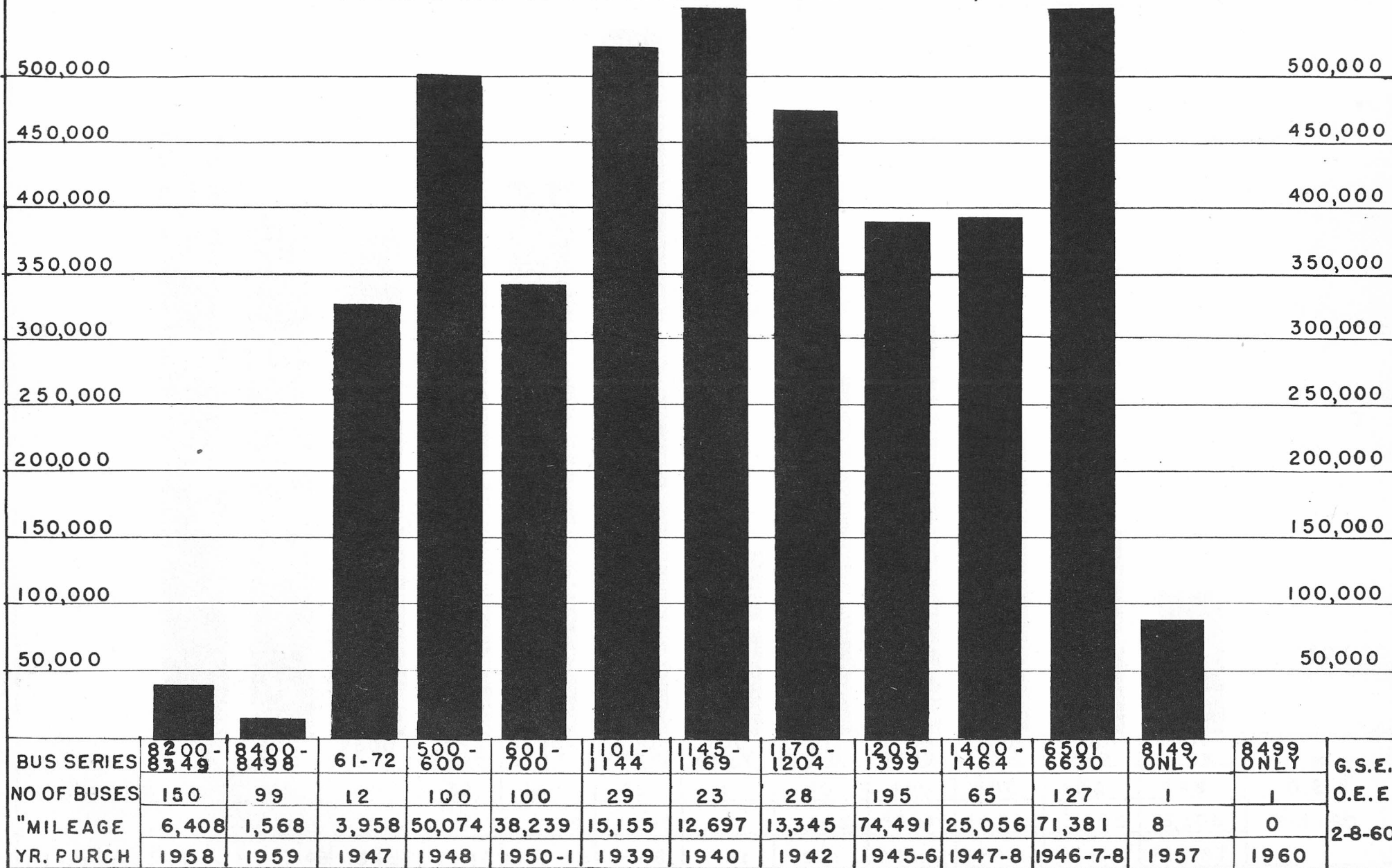
**** 6 MO. 1959

GENERAL SUPERINTENDENT OF ENGINEERING
OFFICE OF ENGINEER OF EQUIPMENT

21560-F

BUS ACCUMULATED MILEAGE

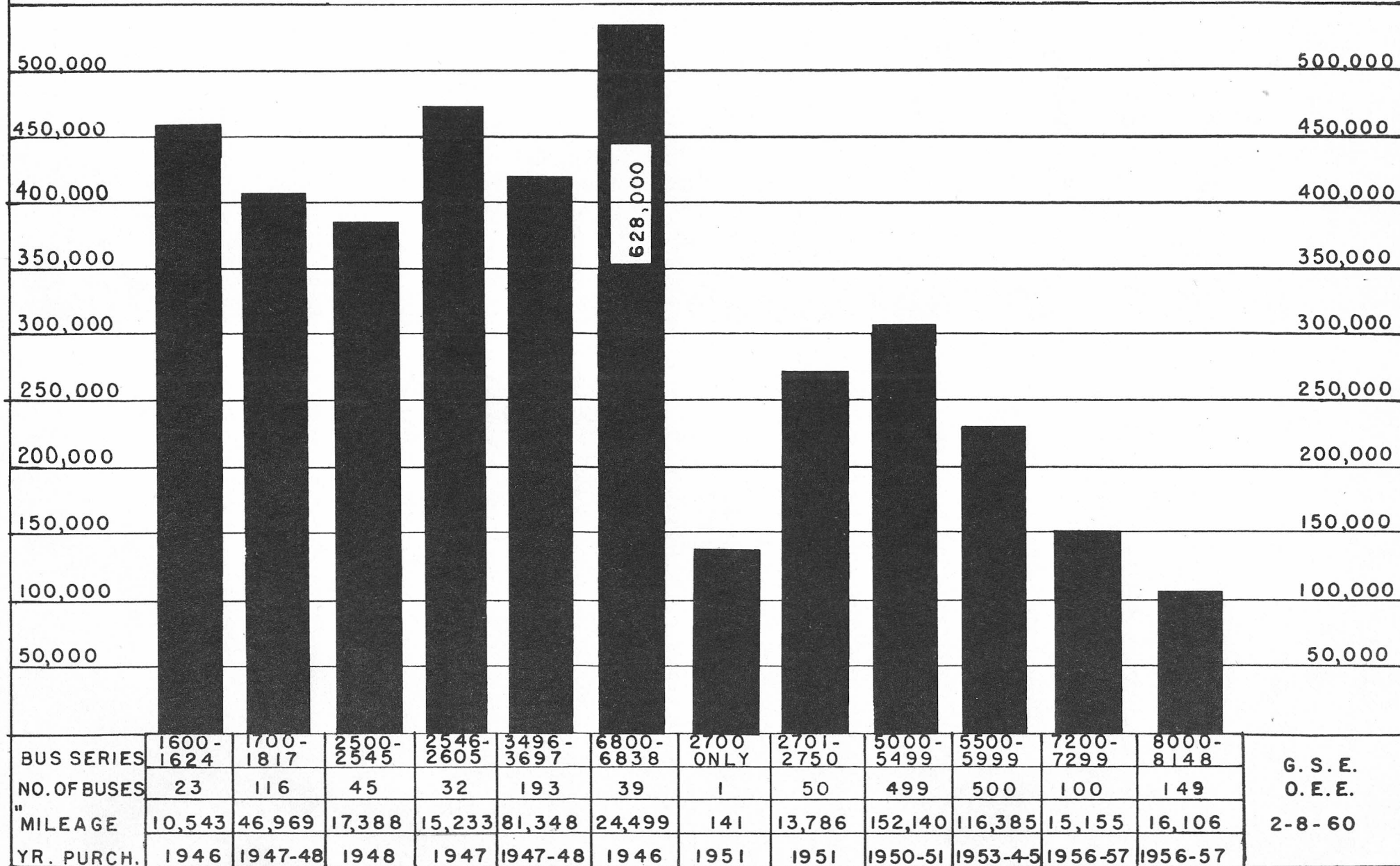
Showing, by series, Average Number of Miles Operated per Bus
From Date of Purchase to December 31, 1959



" TOTAL MILEAGE FOR SERIES, IN THOUSANDS, (000) OMITTED

BUS ACCUMULATED MILEAGE

Showing, by Series, Average Number of Miles Operated per Bus
From Date of Purchase to December 31, 1959



"TOTAL MILEAGE FOR SERIES, IN THOUSANDS, (000) OMITTED

21560-H

