

FLEET FACT BOOK

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT

425 South Main Street
Los Angeles, California 90013

June 3, 1991

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SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT

FLEET FACT BOOK

TABLE OF CONTENTS

Page No.

1	Preface
2	Definitions
3	1000 Series - 1973 GMC New Look
4	1100 Series - 1987 Neoplan Suburban
5	1800 Series - 1989/90 Flxible Metro CNG
6	1970 Series - 1989 TMC RTS-II-Methanol
7	2000 Series - 1988 TMC RTS-II
8	2300 Series - 1989 TMC RTS-II
9	2500 Series - 1988 Flxible Metro
10	2700 Series - 1990 Flxible Metro
11	2800 Series - 1990 Flxible Metro
12	2900 Series - 1991 Flxible Metro-Particulate Trap
13	3100 Series - 1974 GMC New Look
14	3300 Series - 1984 Neoplan USA
15	4100 Series - 1984 Carpenter Mini Bus
16	4300 Series - 1973 Flxible New Look
17	4400 Series - 1982 GMC RTS-II (35')
18	7500 Series - 1980 Grumman Flxible
19	8200 Series - 1980/81 GMC RTS-II
20	9900 Series - 1981 Neoplan (Germany) Double Deck
21	100 Series - 1989/90 Nippon Sharyo Rail Car

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PREFACE

The SCRTD Fleet Fact Book has been developed for use as a general reference guide to the SCRTD bus fleet. As the SCRTD bus fleet is quite diverse, the SCRTD Fleet Fact Book contains the most generally requested information.

Questions and/or comments regarding the SCRTD Fleet Fact Book should be directed to Mr. Chris Dahlstrom of the Equipment Maintenance Department, telephone number 972-5826.

For details such as specific division and schedule assignments, the reader is referred to the Equipment Assignment Report (4-12), as published by the Operations General Department.

Our thanks to the research and special effort put forth by the following staff to create the latest edition.

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L. R. Davis
Director Equipment
Maintenance Department
June 3, 1991

DEFINITION OF TERMS USED IN THE SCRTO FLEET FACT BOOK

Length:	Body length excluding bumpers or tow eyes
Height:	Highest point on coach body excluding radio antenna
Wheelbase:	Distance from center point of front axle to center point of rear axle
Width:	Body width excluding fenders or mirrors
Weight:	Coach weight when fueled but without passengers or driver
Exhaust:	Horizontal - At lower rear of bus below bumper Vertical - At upper rear of bus above roof level
CNG:	Compressed Natural Gas fuel
Methanol:	100% Methanol fuel
Methanol/Avocet:	Methanol fuel with Avocet fuel additive
Particulate Trap:	Exhaust after treatment device which collects and periodically burns accumulated exhaust particulates (soot)

1000

Revised: June 1991

SERIES DESIGNATION: 1000-1099
MANUFACTURER: GMC

MODEL: T8H-5307A
STATUS: Active

SCRTD DATA

DELIVERY YEAR: 1973
NUMBER OWNED: 38
SEATING CAPACITY: 47

AVG. UNIT COST: \$44,520
UMTA OBLIGATION: Refurb-6 yrs
GRANT(S) #: CA-03-0040

MODIFICATIONS: Of the original 100 buses in this fleet, the 38 remaining buses were refurbished at South Park in 1986 to 1988. These buses have a 6 year service obligation. Average refurbishment cost @ \$54K per bus. Buses 1090-1099 are equipped with public address systems.

NOTES & COMMENTARY: First 40-foot GMC buses equipped with push-type air-assist exit doors and DD-3 type parking/emergency brakes. DD-3 brakes were removed in 1974 after a fire on bus 1088. First buses assigned to the Los Angeles-El Monte Busway in 1973.

MANUFACTURER'S DATA

LENGTH:	40'	WIDTH:	102"
HEIGHT:	119"	WEIGHT:	22,300 lbs.
WHEELBASE:	23' 9"	FUEL CAPACITY:	95 U.S. Gal.
EXIT DOOR TYPE:	Push Type	KNEELING:	No
EXHAUST:	Horizontal		
AIR CONDITIONER:	Yes	<u>WHEELCHAIR LIFT</u>	No
POWER STEERING:	No		
ENGINE:	DDA, 8V-71N, 260 HP		
OIL CAPACITY:	35 U.S. Quarts		
TRANSMISSION:	DDA, VS2-8		
FLUID CAPACITY:	28-32 U.S. Quarts		



1100

Revised: June 1991

SERIES DESIGNATION: 1100-1189 MODEL: AN-440-3
MANUFACTURER: Neoplan USA STATUS: Active

SCRTD DATA

DELIVERY YEAR: 1987 AVG. UNIT COST: \$191,630
NUMBER OWNED: 90 UMTA OBLIGATION: 12 yrs/500K mi.
SEATING CAPACITY: 47 GRANT(S) #: Local Funds

MODIFICATIONS: Tag (3rd) axles on all 1100 series buses were replaced due to cracks which developed on original axles. Tag axle design was unique due to "T-drive" transmission configuration. Buses 1167 and 1172 equipped with particulate traps with 8 more buses to be so equipped in calendar year 1991.

NOTES & COMMENTARY: First order of buses that use DDEC engines. Buses equipped with high-back pedestal seating and single door for express service using local funding. Tag axle was due to vehicle weight considerations.

MANUFACTURER'S DATA

LENGTH:	40'	WIDTH:	102"
HEIGHT:	120"	WEIGHT:	28,800 lbs.
WHEELBASE:	20'	FUEL CAPACITY:	175 U.S. Gal.
EXIT DOOR TYPE:	None	KNEELING:	Yes
EXHAUST:	Vertical		
AIR CONDITIONER:	Yes	<u>WHEELCHAIR LIFT</u>	
POWER STEERING:	Yes	MAKE:	Lift-U
ENGINE:	DDA 6V-92, 260HP	MODEL:	B005 Front Door
OIL CAPACITY:	28 U.S. Quarts	PLATFORM WIDTH:	30"
TRANSMISSION:	Allison V-731	PLATFORM LENGTH:	55 1/2"
FLUID CAPACITY:	31-34 U.S. Quarts	MIN. ENTRY WIDTH:	29"



1800

Revised: June 1991

SERIES DESIGNATION: 1800-1809 MODEL: Metro-4102
MANUFACTURER: Flexible STATUS: Active

SCRTD DATA

DELIVERY YEAR: 1989-1990 AVG. UNIT COST: \$208,450
NUMBER OWNED: 10 UMTA OBLIGATION: 12 yrs/500K mi.
SEATING CAPACITY: 44 GRANT(S) #: CA-90-X283

MODIFICATIONS: None

NOTES & COMMENTARY: First Compressed Natural Gas (CNG) buses at RTD. Four buses (1800, 1801, 1808, 1809) equipped with CNG engines of Cummins L-10 design. Six buses (1802, 1803, 1804, 1805, 1806, 1807) with Cummins L-10 engines as modified by Southwest Research Institute (SWRI). This fleet was purchased under an option to the 2500 series base contract.

MANUFACTURER'S DATA

LENGTH:	40' 8.4"	WIDTH:	102"
HEIGHT:	121.25"	WEIGHT:	31,390 lbs.
WHEELBASE:	25'	FUEL CAPACITY:	16,080 cu.ft. or 125 gal. diesel equiv.
EXIT DOOR TYPE:	Flat, Push Type		
EXHAUST:	Vertical	KNEELING:	Yes
AIR CONDITIONER:	Yes		
POWER STEERING:	Yes		
ENGINE:	SWRI (CNG) 270HP Cummins L-10 240HP	<u>WHEELCHAIR LIFT</u>	
		MAKE:	Lift-U
		MODEL:	1094 Front Door
OIL CAPACITY:	35 U.S. Quarts	PLATFORM WIDTH:	29 3/4"
TRANSMISSION:	Voith D863	PLATFORM LENGTH:	52"
FLUID CAPACITY:	27-29 U.S. Quarts	MIN. ENTRY WIDTH:	29 1/2"



1970

Revised: June 1991

SERIES DESIGNATION: 1970-1999 MODEL: RTS-T80206
MANUFACTURER: TMC STATUS: Active

SCRTD DATA

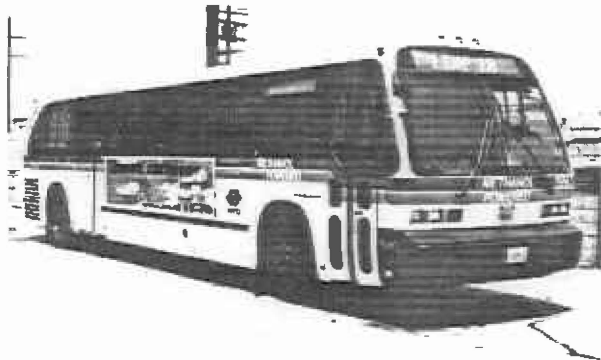
DELIVERY YEAR: 1989 AVG. UNIT COST: \$164,530
NUMBER OWNED: 30 UMTA OBLIGATION: 12 yrs/500K mi.
SEATING CAPACITY: 43 GRANT(S) #: CA-90-X120
CA-03-0307

MODIFICATIONS: None

NOTES & COMMENTARY: First RTD buses to run on methanol. Glow plugs assist engine starting. Halon fire suppression system installed in engine compartment. The fleet was purchased under options in the 2000 series base contract. UMTA funds were used to manage the implementation of these buses into service, and establish the Alternate Fuels Section of Equipment Engineering.

MANUFACTURER'S DATA

LENGTH:	40'	WIDTH:	102"
HEIGHT:	119"	WEIGHT:	28,100 lbs.
WHEELBASE:	25'	FUEL CAPACITY:	285 U.S. Gal.
EXIT DOOR TYPE:	Flat, Push Type	KNEELING:	Yes
EXHAUST:	Vertical		
AIR CONDITIONER:	Yes	<u>WHEELCHAIR LIFT</u>	
POWER STEERING:	Yes	MAKE:	TMC
ENGINE:	DD 6V-92TAC, 253HP	MODEL:	RPO VE3 Rear Door
OIL CAPACITY:	25 U.S. Quarts	PLATFORM WIDTH:	39 3/4"
TRANSMISSION:	Allison V-731D	PLATFORM LENGTH:	45 1/2"
FLUID CAPACITY:	34-36 U.S. Qts.	MIN. ENTRY WIDTH:	29 1/4"



2000

Revised: June 1991

SERIES DESIGNATION: 2000-2266 MODEL: RTS-T80206
MANUFACTURER: TMC STATUS: Active

SCRTD DATA

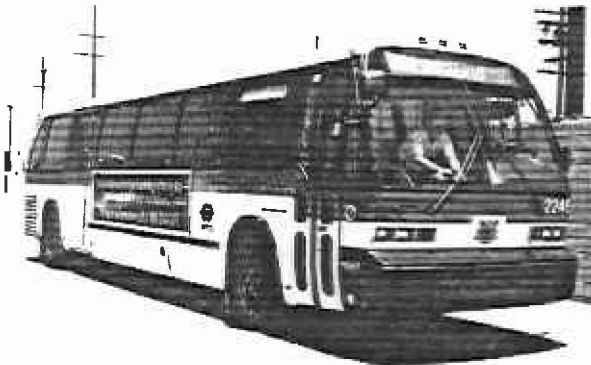
DELIVERY YEAR:	1988	AVG. UNIT COST:	\$164,960
NUMBER OWNED:	267	UMTA OBLIGATION:	12 yrs/500K mi.
SEATING CAPACITY:	43	GRANT(S) #:	CA-90-X120 CA-90-X181 CA-90-X222

MODIFICATIONS: Rear axle assembly on all coaches replaced due to cracks on banjo assembly.

NOTES & COMMENTARY: Ingersoll-Rand air starting systems were factory installed on twenty-five buses (2242-2266).

MANUFACTURER'S DATA

LENGTH:	40'	WIDTH:	102"
HEIGHT:	119"	WEIGHT:	27,800 lbs.
WHEELBASE:	25'	FUEL CAPACITY:	150 U.S.Gal.
EXIT DOOR TYPE:	Flat, Push Type	KNEELING:	Yes
EXHAUST:	Horizontal		
AIR CONDITIONER:	Yes	<u>WHEELCHAIR LIFT</u>	
POWER STEERING:	Yes	MAKE:	TMC
ENGINE:	DDC 6V-92TAC, 277HP	MODEL:	RPO VE3 Rear Door
OIL CAPACITY:	25 U.S. Quarts	PLATFORM WIDTH:	39 3/4"
TRANSMISSION:	Allison V-731D	PLATFORM LENGTH:	45 1/2"
FLUID CAPACITY:	34-36 U.S. Quarts	MIN. ENTRY WIDTH:	29 1/4"



2300

Revised: June 1991

SERIES DESIGNATION: 2300-2402 MODEL: RTS-T80206
MANUFACTURER: TMC STATUS: Active

SCRTD DATA

DELIVERY YEAR: 1989 AVG. UNIT COST: \$170,610
NUMBER OWNED: 103 UMTA OBLIGATION: 12 yrs/500K mi.
SEATING CAPACITY: 43 GRANT(S) #: CA-90-X329

MODIFICATIONS: Eight buses retrofitted with particulate traps with 2 more buses to be completed in calendar year 1991.

NOTES & COMMENTARY: These buses were purchased under an option under the 2000 series base contract.

MANUFACTURER'S DATA

LENGTH: 40'
HEIGHT: 119"
WHEELBASE: 25'
EXIT DOOR TYPE: Flat, Push Type
EXHAUST: Vertical
AIR CONDITIONER: Yes
POWER STEERING: Yes
ENGINE: DD 6V-92TAC, 277 HP
OIL CAPACITY: 25 U.S. Quarts
TRANSMISSION: Allison V-731D
FLUID CAPACITY: 34-36 U.S. Quarts

WIDTH: 102"
WEIGHT: 27,800 lbs.
FUEL CAPACITY: 150 U.S.Gal.
KNEELING: Yes

WHEELCHAIR LIFT

MAKE: TMC
MODEL: RPO VE3 Rear Door
PLATFORM WIDTH: 39 3/4"
PLATFORM LENGTH: 45 1/2"
MIN. ENTRY WIDTH: 29 1/4"



2500

Revised: June 1991

SERIES DESIGNATION: 2500-2649 MODEL: Metro-40102-6C
MANUFACTURER: Flxible STATUS: Active

SCRTD DATA

DELIVERY YEAR: 1988 AVG. UNIT COST: \$182,080
NUMBER OWNED: 150 UMTA OBLIGATION: 12 yrs/500K mi.
SEATING CAPACITY: 42 GRANT(S) #: CA-90-X222

MODIFICATIONS: None

NOTES & COMMENTARY: Ingersoll-Rand air starting systems were factory installed on twenty-five buses (2625-2649). The buses were delivered with single forward facing seats curbside only. A retrofit to double seats is scheduled for late 1991.

MANUFACTURER'S DATA

LENGTH:	40'	WIDTH:	102"
HEIGHT:	121.25"	WEIGHT:	27,600 lbs.
WHEELBASE:	25'	FUEL CAPACITY:	135 U.S.Gal.
EXIT DOOR TYPE:	Flat, Push Type	KNEELING:	Yes
EXHAUST:	Vertical		
AIR CONDITIONER:	Yes	<u>WHEELCHAIR LIFT</u>	
POWER STEERING:	Yes	MAKE:	Lift-U
ENGINE:	Cummins L10, 270HP	MODEL:	1094 Front Door
OIL CAPACITY:	35 U.S. Quarts	PLATFORM WIDTH:	29 3/4"
TRANSMISSION:	Voith D863	PLATFORM LENGTH:	52"
FLUID CAPACITY:	27-29 U.S. Quarts	MIN. ENTRY WIDTH:	29 1/2"



2700

Revised: June 1991

SERIES DESIGNATION: 2700-2764 MODEL: Metro-40102-6C
MANUFACTURER: Flxible STATUS: Active

SCRTD DATA

DELIVERY YEAR: 1990 AVG. UNIT COST: \$186,860
NUMBER OWNED: 65 UMTA OBLIGATION: 12 yrs/500K mi.
SEATING CAPACITY: 46 GRANT(S) #: CA-90-X283

MODIFICATIONS: Ongoing modifications to Voith transmissions due to fleet defects.

NOTES & COMMENTARY: First bus series with all factory installed air starting systems. This fleet was purchased under an option to the 2500 series base contract.

MANUFACTURER'S DATA

LENGTH:	40'	WIDTH:	102"
HEIGHT:	121.25"	WEIGHT:	27,600 lbs.
WHEELBASE:	25'	FUEL CAPACITY:	135 U.S.Gal.
EXIT DOOR TYPE:	Flat, Push Type	KNEELING:	Yes
EXHAUST:	Vertical		
AIR CONDITIONER:	Yes	<u>WHEELCHAIR LIFT</u>	
POWER STEERING:	Yes	MAKE:	Lift-U
ENGINE:	Cummins L10, 270HP	MODEL:	1094 Front Door
OIL CAPACITY:	35 U.S. Quarts	PLATFORM WIDTH:	29 3/4"
TRANSMISSION:	Voith D863	PLATFORM LENGTH:	52"
FLUID CAPACITY:	27-29 U.S. Quarts	MIN. ENTRY WIDTH:	29 1/2"



2800

Revised: June 1991

SERIES DESIGNATION: 2800-2870
MANUFACTURER: Flxible

MODEL: Metro-40102-6L
STATUS: Active

SCRTPD DATA

DELIVERY YEAR:	1990	AVG: UNIT COST:	\$200,375
NUMBER OWNED:	71*	UMTA OBLIGATION:	12 yrs/500K mi.
SEATING CAPACITY:	44	GRANT(S) #:	CA-90-X283 CA-90-X329

MODIFICATIONS: None

NOTES & COMMENTARY: All buses in this series equipped with Ingersoll-Rand SS150 lubeless air starter. Driver seats 2800-2847 National 88 (air) 2849-2870 AMESCO 6385 (mechanical).

*Bus #2848 was damaged in a traffic accident enroute to RTD and remains to be delivered as of June 1991.

MANUFACTURER'S DATA

LENGTH: 40'
HEIGHT: 121.25"
WHEELBASE: 25'
EXIT DOOR TYPE: Flat, Push Type
EXHAUST: Vertical
AIR CONDITIONER: Yes
POWER STEERING: Yes
ENGINE: 6L-71TAC DDECII-240HP
OIL CAPACITY: 30 U.S. Quarts
TRANSMISSION: Allison V731 ATEC
FLUID CAPACITY: 34-36 U.S. Quarts

WIDTH: 102"
WEIGHT: 27,965
FUEL CAPACITY: 135 U.S.Gal.
KNEELING: Yes

WHEELCHAIR LIFT

MAKE: Lift-U
MODEL: 1155 Front Door
PLATFORM WIDTH: 29 3/4"
PLATFORM LENGTH: 52"
MIN. ENTRY WIDTH: 29 1/2"



2900

Revised: June 1991

SERIES DESIGNATION: 2900-2932
MANUFACTURER: Flxible

MODEL: Metro-40102-6L
STATUS: To be delivered in
late 1991

SCRTD DATA

DELIVERY YEAR: Pending
NUMBER OWNED: 33
SEATING CAPACITY: 44

AVG. UNIT COST: \$222,375
UMTA OBLIGATION: 12yrs/500K mi.
GRANT(S) #: CA-90-X283
CA-90-X329

MODIFICATIONS: None

NOTES & COMMENTARY: First fleet with factory installed engines equipped with particulate trap systems, 15-minute idle shut down circuit, and ultraviolet fire detection sensor.

MANUFACTURER'S DATA

LENGTH: 40'
HEIGHT: 121.25"
WHEELBASE: 25'
EXIT DOOR TYPE: Flat, Push Type
EXHAUST: Horizontal
AIR CONDITIONER: Yes
POWER STEERING: Yes
ENGINE: 6V-92TAC DDECII 240HP
OIL CAPACITY: 30 U.S. Quarts
TRANSMISSION: Allison V731 ATEC
FLUID CAPACITY: 34-36 U.S. Quarts

WIDTH: 102"
WEIGHT: 27,965
FUEL CAPACITY: 135 U.S. Gal
KNEELING: Yes

WHEELCHAIR LIFT

MAKE: Lift-U
MODEL: 1155 Front Door
PLATFORM WIDTH: 29 3/4"
PLATFORM LENGTH: 52"
MIN. ENTRY WIDTH: 29 1/2"

Photo to be supplied after bus delivery

3100

Revised: June 1991

SERIES DESIGNATION: 3100-3299
MANUFACTURER: GMC

MODEL: T8H-5307A
STATUS: Active

SCRTD DATA

DELIVERY YEAR 1974
NUMBER OWNED: 36
SEATING CAPACITY: 51

AVG. UNIT COST: \$54,260
UMTA OBLIGATION: Refurb 6 yrs
GRANT(S) #: CA-03-0049

MODIFICATIONS: All thirty-six buses are refurbished.

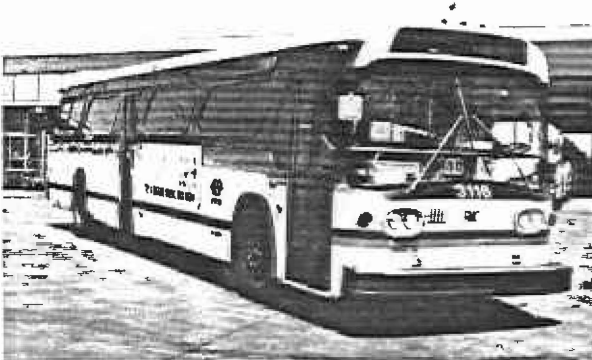
NOTES & COMMENTARY: First GMC buses with sealed, single piece, side windows. First buses with roof-mounted escape hatch. Of the original 200 buses in this series, the 36 remaining buses were refurbished at South Park in 1987 and 1988 at an average cost of \$50K per bus.

MANUFACTURER'S DATA

LENGTH: 40'
HEIGHT: 121"
WHEELBASE: 23' 8"
EXIT DOOR TYPE: Flat, Push Type
EXHAUST: Horizontal
AIR CONDITIONER: Yes
POWER STEERING: No
ENGINE: DDA, 8V71, 280HP
OIL CAPACITY: 28-34 U.S. Qts.
TRANSMISSION: DDA, 8VS2
FLUID CAPACITY: 28-32 U.S. Qts.

WIDTH: 102"
WEIGHT: 22,600 lbs.
FUEL CAPACITY: 125 U.S. Gal.
KNEELING: No

WHEELCHAIR LIFT No



3300

Revised: June 1991

SERIES DESIGNATION: 3300-3714 MODEL: AN-440-A
MANUFACTURER: Neoplan USA STATUS: Active

SCRTD DATA

DELIVERY YEAR:	1984	AVG. UNIT COST:	\$175,000
NUMBER OWNED:	413	UMTA OBLIGATION:	12 yrs/500K mi.
SEATING CAPACITY:	43	GRANT(S) #:	CA-03-0178 CA-03-0275

MODIFICATIONS: Neoplan replaced cracked A-frame units on all buses.

NOTES & COMMENTARY: First order of buses purchased from Neoplan USA, have Allison Transmission Electronic Control units. Buses 3690-3714 have hydraulic retarders. Cushioned seats being replaced with vandal resistant seating in 1991.

MANUFACTURER'S DATA

LENGTH:	40'	WIDTH:	102"
HEIGHT:	120"	WEIGHT:	28,240 lbs.
WHEELBASE:	22' 8"	FUEL CAPACITY:	195 U.S. Gal.
EXIT DOOR TYPE:	Bode, air assist	KNEELING:	Yes
EXHAUST:	Horizontal		
AIR CONDITIONER:	Yes	<u>WHEELCHAIR LIFT:</u>	Yes
POWER STEERING:	Yes	MAKE:	EEC Front Door
ENGINE:	DDA 6V-92TA, 294 HP	MODEL:	124
OIL CAPACITY:	38 U.S. Quarts	PLATFORM WIDTH:	32"
TRANSMISSION:	DDA, HT 747 (3300-3689)	PLATFORM LENGTH:	48"
	DDA, HTB 748 (3690-3714)	MIN. ENTRY WIDTH:	29"
FLUID CAPACITY:	36 U.S. Quarts		



4100

Revised: June 1991

SERIES DESIGNATION: 4100 MODEL: CBW-300 TC-84025-30
MANUFACTURER: Carpenter Body Works STATUS: Active

SCRTD DATA

DELIVERY YEAR: 1984	AVG. UNIT COST: \$122,000
NUMBER OWNED: 2	UMTA OBLIGATION: 10 yrs/350K mi.
SEATING CAPACITY: 26	GRANT(S) #: CA-05-0043, CA-90-X059

MODIFICATIONS: The 6V-53 engine in buses 4139 and 4150 were replaced with 8.2L engines. Bus 4139 was then converted to Compressed Natural Gas (CNG).

NOTES & COMMENTARY: The District purchased 62 CBW buses for use in mini-bus type service. After Los Angeles City privatized the mini-bus service there was no good use for these buses at the RTD. 60 buses were disposed of in 1990 and UMTA was reimbursed for their undepreciated value. Prime contractor was Lawson National Distributing Company.

MANUFACTURER'S DATA

LENGTH: 30'	WIDTH: 94 1/2"
HEIGHT: 114"	WEIGHT: 22,900 lbs.
WHEELBASE: 13' 9"	FUEL CAPACITY: 126 U.S. Gallons
EXIT DOOR TYPE: Push Type	CNG CAPACITY: = 45 U.S. Diesel Gallons (5850 Cu.Ft.)
EXHAUST: Horizontal	
AIR CONDITIONER: Yes	
POWER STEERING: Yes	KNEELING: Yes
ENGINE: Diesel DDC 8.2L 230 HP CNG DDC 8.2L 210 HP	<u>WHEELCHAIR LIFT</u> Yes
OIL CAPACITY: 14 U.S. Qts.	MAKE: Lift-U
TRANSMISSION: DDA, MT 643	MODEL: 8033
FLUID CAPACITY: 22 U.S. Qts.	PLATFORM WIDTH: 29"
	PLATFORM LENGTH: 59 1/2"
	MIN. ENTRY WIDTH: 29"



4400

Revised: June 1991

SERIES DESIGNATION: 4400-4434 MODEL: RTSII-T70604
MANUFACTURER: GMC STATUS: Active

SCRTD DATA

DELIVERY YEAR:	1982	AVG. UNIT COST:	\$172,643
NUMBER OWNED:	35	UMTA OBLIGATION:	12 yrs/500K mi.
SEATING CAPACITY:	36	GRANT(S) #:	CA-03-0132

MODIFICATIONS: SCRTD and GMC modified exit door so it would close on roadways with high crowns. Steel fuel tanks replaced plastic tanks.

NOTES & COMMENTARY: The first order of 35' buses of the RTSII design.

MANUFACTURER'S DATA

LENGTH:	35'	WIDTH:	96"
HEIGHT:	119"	WEIGHT:	24,360 lbs.
WHEELBASE:	19' 10"	FUEL CAPACITY:	125 U.S.Gal.
EXIT DOOR TYPE:	Contour, Push Type	KNEELING:	Yes
EXHAUST:	Horizontal		
AIR CONDITIONER:	Yes	<u>WHEELCHAIR LIFT</u>	Yes
POWER STEERING:	Yes	MAKE:	GMC
ENGINE:	DDA 6V-92TA, 253 HP	MODEL:	RPO VE2 Rear Door
OIL CAPACITY:	25 U.S. Quarts	PLATFORM WIDTH:	34 1/2"
TRANSMISSION:	DDA V-730D	PLATFORM LENGTH:	43"
FLUID CAPACITY:	34-36 U.S. Quarts	MIN. ENTRY WIDTH:	34 1/2"



7500

Revised: June 1991

SERIES DESIGNATION: 7500-7729 MODEL: 870 53102-8V-1
MANUFACTURER: Grumman Flexible STATUS: Active

SCRTD DATA

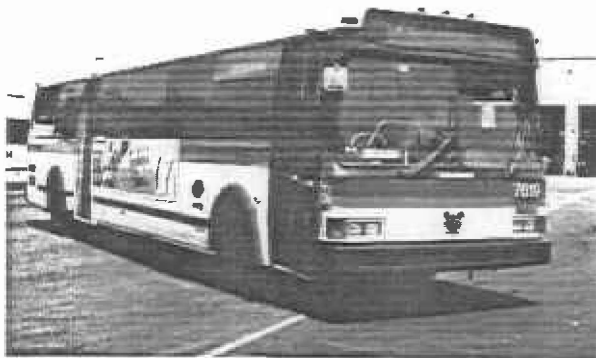
DELIVERY YEAR:	1980	AVG. UNIT COST:	\$125,000
NUMBER OWNED:	219	UMTA OBLIGATION:	10 yrs/500K mi.
SEATING CAPACITY:	46	GRANT(S) #:	CA-03-0161

MODIFICATIONS: Engine changed in 1983-84 from an 8V-71TAC to 6V-92TAC to eliminate engine gear-train problems. Thermo King #426X compressors were installed to replace original equipment. The A/C electrical control panel was modified to eliminate parts that had not been used since the compressor change. Stock radiator replaced with a larger capacity unit as part of the engine change campaign. Cushioned seats will be replaced with vandal resistant seating in 1991.

NOTES & COMMENTARY: Fleet of 230 buses was first Advance Design bus (ADB) purchase at the District. First buses in the fleet equipped with electronic destination signs.

MANUFACTURER'S DATA

LENGTH:	40'	WIDTH:	102"
HEIGHT:	118"	WEIGHT:	25,860 lbs.
WHEELBASE:	23' 9"	FUEL CAPACITY:	135 U.S.Gal
EXIT DOOR TYPE:	Flat, Push Type	KNEELING:	Yes
EXHAUST:	Vertical		
AIR CONDITIONER:	Yes	<u>WHEELCHAIR LIFT</u>	Yes
POWER STEERING:	Yes	MAKE:	EEC
ENGINE:	DDA 6V-92TAC, 260HP	MODEL:	124
OIL CAPACITY:	25-27 U.S. Quarts	PLATFORM WIDTH:	33 7/8"
TRANSMISSION:	DDA, V-730D	PLATFORM LENGTH:	39 1/2"
FLUID CAPACITY:	22-30 U.S. Quarts	MIN. ENTRY WIDTH:	29 1/4"



8200

Revised: June 1991

SERIES DESIGNATION: 8200-9139 MODEL: RTSII-T80204
MANUFACTURER: GMC STATUS: Active

SCRTD DATA

DELIVERY YEAR:	1980-81	AVG. UNIT COST:	\$147,900
NUMBER OWNED:	931	UMTA OBLIGATION:	10 yrs/500K mi.
SEATING CAPACITY:	43	GRANT(S) #:	CA-03-0132 CA-03-0178 CA-05-0043

MODIFICATIONS: Time delay relay for exit doors removed to reduce closing time. Steel fuel tanks replaced plastic tanks. 460 of these buses will have been refurbished by June 30, 1991. Twelve buses will have been converted to run on Methanol/Avocet fuel by July 1991. Further, 2 buses (8924 and 9004) have been equipped with particulate traps. Seat cushions were replaced with vandal-resistant seating on all buses.

NOTES & COMMENTARY: District's first buses with a rear door wheelchair lift system. Five buses (8860, 8862, 8864, 8866 and 8868) were used to test U.E.C. (Universal Electronic Control) transmission units. Original fleet of 940 buses is RTD's largest fleet purchase under a single contract.

MANUFACTURER'S DATA

LENGTH:	40'	WIDTH:	102"
HEIGHT:	119"	WEIGHT:	26,600 lbs.
WHEELBASE:	24' 10"	FUEL CAPACITY:	165 U.S.Gal
EXIT DOOR TYPE:	Contour, Push Type	KNEELING:	Yes
EXHAUST:	Horizontal		
AIR CONDITIONER:	Yes	<u>WHEELCHAIR LIFT</u>	Yes
POWER STEERING:	Yes	MAKE:	GMC
ENGINE:	DDA 6V-92TAC, 240HP	MODEL:	RPO VE2 Rear Door
OIL CAPACITY:	25 U.S. Quarts	PLATFORM WIDTH:	34 1/2"
TRANSMISSION:	Allison V-730	PLATFORM LENGTH:	43"
FLUID CAPACITY:	34-36 U.S. Quarts	MIN. ENTRY WIDTH:	34 1/2"



9900

Revised: June 1991

SERIES DESIGNATION: 9900-9921 MODEL: Double Deck N-122/3
MANUFACTURER: Neoplan-Germany STATUS: Active

SCRTD DATA

DELIVERY YEAR:	1981	AVG. UNIT COST:	\$221,000
NUMBER OWNED:	18	UMTA OBLIGATION:	10 yrs/500K mi.
SEATING CAPACITY:	82	GRANT(S) #:	CA-03-0132

MODIFICATIONS: Buses rewired due to several electrical fires.
A/C system was completely redesigned.

NOTES & COMMENTARY: Exit door is controlled by driver. Height of bus required the District to acquire a waiver to the California Vehicle Code. Buses 9903 and 9904 were converted to a Detroit Diesel 6V92/Allison ATEC HT 748 (retarder) power plant. Balance of buses to be converted to 6V92 configuration in FY 1992. RTD Board of Directors waived policy to purchase accessible buses as the 9900 series design precluded a wheelchair lift.

MANUFACTURER'S DATA

LENGTH:	40'	WIDTH:	102"
HEIGHT:	14' 2"	WEIGHT:	36,200 lbs.
WHEELBASE:	20' 5"	FUEL CAPACITY:	125 U.S. Gal.
EXIT DOOR TYPE:	Swing Plug Type Spindle Drive, Air Assist	KNEELING:	No
EXHAUST:	Horizontal	<u>WHEELCHAIR LIFT</u>	None
AIR CONDITIONING:	Yes		
POWER STEERING:	Yes		
ENGINE:	Cummins, VTB903, 320HP DDA 6V92/HT748, 330HP		
OIL CAPACITY:	34-36 U.S. Quarts		
TRANSMISSION:	DDA, HT 740		
FLUID CAPACITY:	28-32 U.S. Quarts		



Revised: June 1991

SERIES DESIGNATION: 100-153
 MANUFACTURER: Nippon Sharyo

MODEL: Light Rail Vehicle (LRV)
 STATUS: Active

SCRTD DATA

DELIVERY YEAR: 1989/90
 NUMBER OWNED: 54
 SEATING CAPACITY: 76

AVG. UNIT COST: \$1,170,000
 UMTA OBLIGATION: None
 GRANT(S) #: Locally Funded

MODIFICATIONS: Roof top "Cyclops Lights" added for safety.

NOTES & COMMENTARY: First light rail vehicles in Los Angeles since 1963. LRV's were purchased by the Los Angeles County Transportation Commission (LACTC) for Blue Line Operation. The Blue Line is a 22 mile, 22 station, Los Angeles-Long Beach route utilizing 6-axle, electrically propelled, articulated rail cars. LRV's are equipped with dynamic regenerative, friction disc brakes and magnetic track braking systems. Regenerative braking puts electric power back into the overhead catenary system. The Nippon Sharyo LRV's were purchased under contract with the Sumitomo Corporation of America.

MANUFACTURER'S DATA

LENGTH: 90'
 HEIGHT: 12' 3"
 DOOR TYPE: Four bi-parting air
 operated doors on each
 side. Operator or
 passenger activated.

WIDTH: 8' 8 3/4"
 WEIGHT: 98,000 lbs.
 POWER SUPPLY: Electric
 750V DC
 Overhead
 Catenary

AIR CONDITIONER: Yes
 TRACTION MOTORS: 2 per car, 200 HP
 each, manufactured
 by ASEA Brown
 Boveri (ABB)

WHEELCHAIR LIFT None

The LRV entrances are
 level with the loading
 platform.

GEAR BOX: Direct Reduction Drive

