GENERAL:

This group contains information on the automotive engine cooling system from the engine water pump to the radiator and return. It also includes the transmission oil cooler lines and fittings, fan blade and fan drive belts.

SPECIFICS: As applicable

... Engine Water Pump

... Fan Drive Belts

... Radiator and Mounting

... Radiator Hoses

... Thermostat and Housing

... Transmission Oil Hoses and Fittings

GROUP 13 Cooling
MODEL 2900R

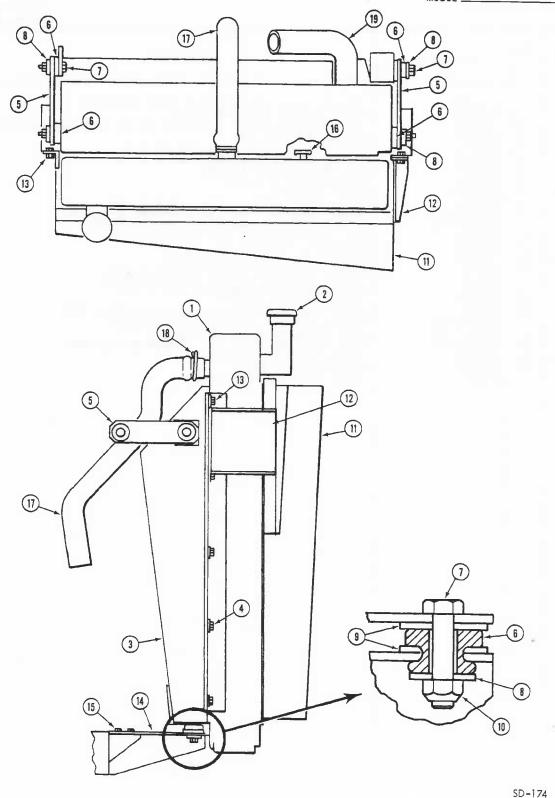


Figure 13-1. Radiator Mounting (coach 00001 to 00222)



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GROUP 13 MODEL 2900R

		MODEL 2900R			
FIG ITEM NO. NO.		ITEM DESCRIPTION	QTY PER UNIT		
3-1 1 2 3 4 4 4 5 5 6 7 8 9 10 11 12 13 13 13 14 15 16 17 18 19	5100010 M20016 5101957 5100375 M14216 M17017 5101070 5100440 M18059 5100570-02 5100570-03 M17016 5100580 5100579 M18005 M17045 M17061 5100917 M18058 5100620-01 5100573-04 5101794-01 M22040 5100667 M22039	RADIATOR ASSY, W/cap (coach 00001 to 00222) TUBE, Radiator overflow (5/16) CAP, Radiator filler (AC-RC25) (13 1b) (sup 5100010-R001) SHROUD, Radiator fan BOLT, Shroud to radiator (3/8-24 x 1) WASHER, Shroud bolt (3/8 flat) NUT, Shroud bolt (3/8-24) LINK, Shroud to frame MOUNT, Radiator mount (1/2 - 20 x 2-1/4) WASHER, Radiator mount bolt special (1-1/2 OD) WASHER, Radiator mount bolt special (2 OD) NUT, Radiator mount bolt (1/2 - 20) DEFLECTOR, Radiator at BRACKET, Radiator to deflector BOLT, Radiator bracket (1/4 x 20 x 3/4) WASHER, Radiator bracket bolt (1/4 flat) NUT, Radiator bracket bolt (1/2 x 20) GUARD, Radiator splash SCREW, Radiator splash guard (5/16 x 24 x 3/4) BUMEER, Radiator splash guard (AI-1422) COCK, Radiator drain (WD-145) HOSD, Radiator upper (sup 5101069 and 5101658) CLAMP, Radiator lower CLAMP, Radiator lower CLAMP, Radiator lower	1 ft 1 10 100 100 2 6 6 6 6 2 4 1 1 1 2 1 2 1 2		

FMC Corporation
Motor Coach Division
333 Brokaw Road Box 664 Santa Clara California 95052

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GROUP 13 Cooling
MODEL 2900R

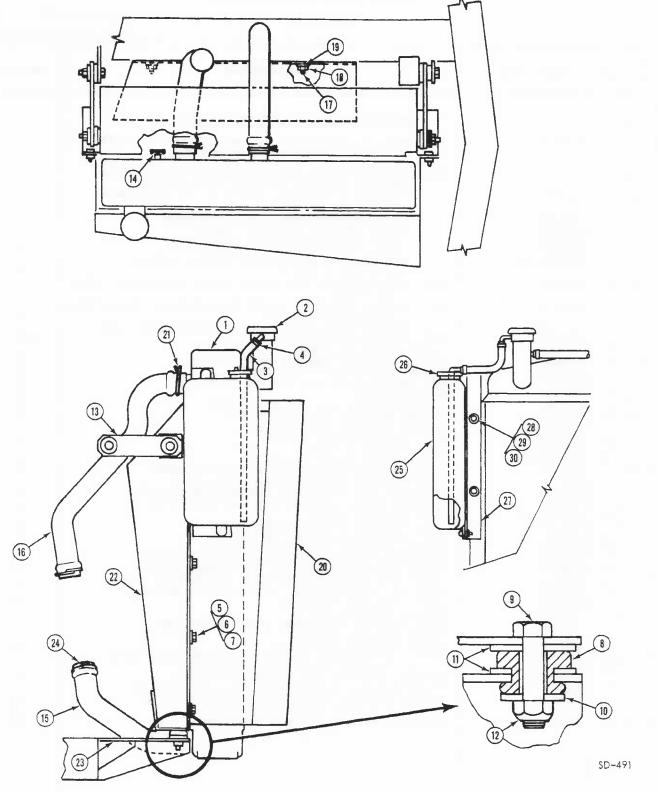


Figure 13-2. Radiator Mounting (Coach 00223 and Up)

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GROUP	13	
MODEL		

FIG NO.	NO.	PART NUMBER	ITEM DESCRIPTION	QTY PER UNIT
			RADIATOR ASSEMBLY (COACH 00223 & UP)	
		5109233	KIT, Radiator replacement (see service bulletin 2913-40004) (coaches 00223 to 00964)	1
			NOTE: Coaches 00965 & up were equipped with 15 pound	-
3-2	1	5109230	pressure radiator #5109230 at the factory. RADIATOR & CAP ASSY, Engine 15 psi (supersedes 5101611 and 5106042)	1
		5109067 5109069	PANEL, Radiator mounting (right hand) PANEL, Radiator mounting (upper)	1
		5109068 M25046	PANEL, Radiator mounting (left hand) RIVET, Mounting panel attaching	1 5
		5100573-01	ADAPTER, Transmission oil hose to radiator (WD C 3109 x 12 x 6)	2
3-2	2	5101957	CAP, Radiator filler (13 pound) (AC-RC25) (coaches 00223 to 00529)	
	2	5106374	CAP, Radiator filler (7 pound) (all coaches with overflow	1
	2	5107188-01	tank 00530 to 00964) CAP, Radiator filler (15 pound) (coaches 00965 & up)	1
1	3 4	M20016 M22041	HOSE, Filler neck to tank CLAMP, Filler neck hose	2 ft 3
3-2	5	M14216	SCREW, Shroud to radiator (3/8-24 x 1)	10
	6	M17004	WASHER, Shroud screw (3/8 flat)	10
	7 8	M17017 5100440	NUT, Shroud screw self locking MOUNT, Radiator	10
	9	M18059	BOLT, Radiator mount (1/2-20 x 2 1/4)	6 6
3-2	10	5100570-02	WASHER, Radiator mount (1 1/2 OD)	6
į	11	5100570-03	WASHER, Radiator mount (2 OD)	6
	12	M17016	NUT, Radiator mount (1/2-20)	6
	13	5101070	LINK, Shroud to frame	2
3-2	14	5100573-04 5101610	COCK, Radiator drain (WD-145) HOSE, Radiator lower (coaches 00223 to 00645)	1
J 2	1.5	NPN	HOSE, Radiator lower (coaches 00223 to 00645)	2
		5106211	TEE, Lower hose-for heater (coaches 00646 & up)	ĺ
1		M24497	ADAPTER, Heater tee hose (coaches 00646 & up)	1
	16	5101794-01	HOSE, Radiator upper	1
-	17 18	M25159 M17061	STUD, Radiator guard (1/4-20 x 7/8)	2 2
	19	M17045	NUT, Radiator guard stud (1/4-20) WASHER, Radiator guard stud (1/4 ID)	2
	20	5101676	DEFLECTOR, Radiator air (coach 00223 to 00964)	1
3-2	20	5109067	PANEL, Air deflector upper (coach 00965 & up)	1
3-2	20	5109069	PANEL, Air deflector right hand (coach 00965 & up)	1
	20	5109068	PANEL, Air deflector left hand (coach 00965 & up)	1
ļ	21	M22040	CLAMP, Radiator hose upper	2
	44	5100375   5107647	SHROUD, Radiator fan RING, Radiator fan shroud (coach 00744 & up)	1
	23	5101982	GUARD, Radiator splash	1
_	24	M22039	CLAMP, Radiator hose lower	2
3-2	25	5102650	TANK & CAP ASSEMBLY, Radiator overflow (coach 00530 & up)	1
	26 27	5102650-02 5106020	CAP, Overflow tank (coach 00530 & up) BRACKET, Overflow tank (coach 00530 & up)	1
	28	M18033	SCREW, Overflow tank (coach 00530 & up)	1 2
		5108508	SPACER, Overflow tank screw (coach 00530 & up)	4
_	29	M17053	NUT, Tank bracket screw (coach 00530 & up)	2
3-2	30	M17005	WASHER, Tank bracket screw (coach 00530 & up)	4
1				

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GROUP 13 Cooling
MODEL 2900R

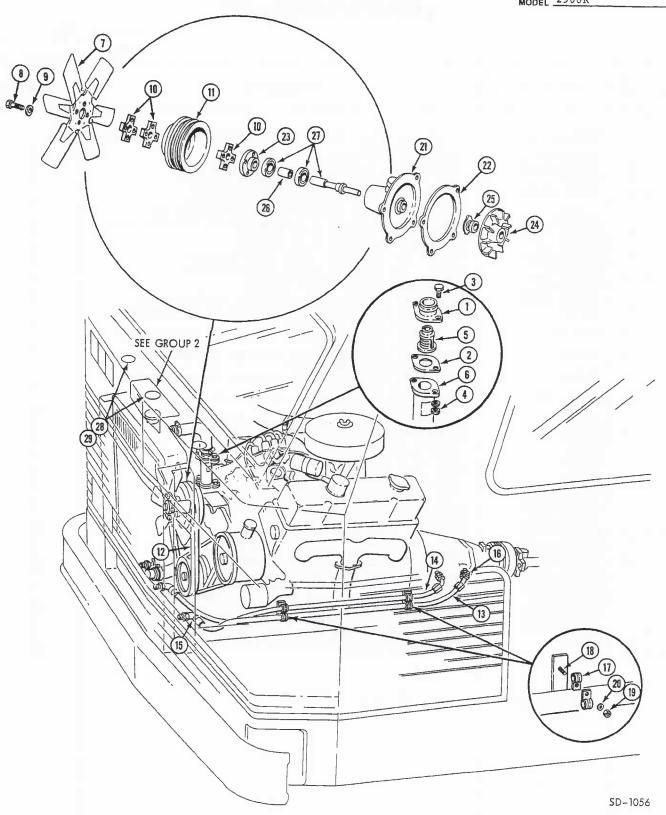


Figure 13-3. Cooling System

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Motor Coach Division
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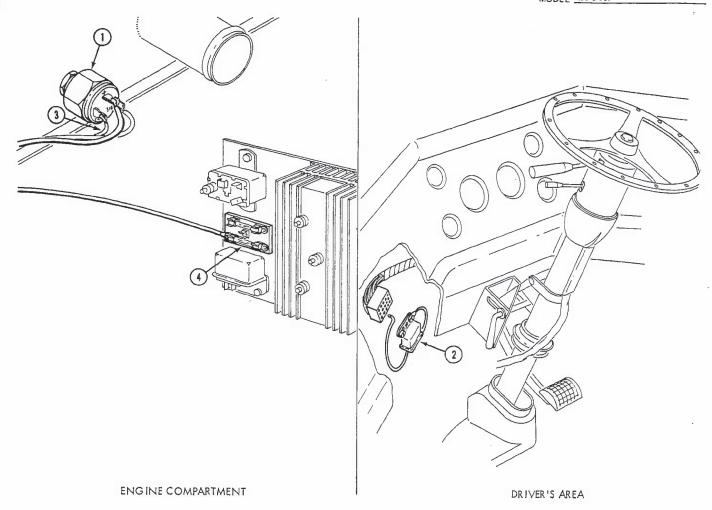
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GROUP	13	
MODEL		

2 51 3 4 M1 4 M1 5 51 8 51 9 51 12 13 51 12 13 51 13 51 14 51 14 51 14 51 15 51 16 M2 17 M2 17 M2 18 M1 19 M1 21 51 23 51 23 51 23 51 24 51 27 51 5	PART NUMBER  5100011-R228  5100011-R013  5100011-R014  M17010  5100011-R016  5100011-R017  5108691-03  5100011-R018  5100011-R018  5100011-R019  5100011-R002  5100521  5101636  5100573-01  5100573-03  5100573-02  524096  522036	CONNECTOR, Engine water outlet (CCMI-3751958) (supersedes 5100011-R012)  GASKET, Water outlet (CCMI-50082)  SCREW, Water outlet connector (CCMI-180122)  NUT, Outlet connector to extension (3/8-16)  THERMOSTAT, Engine (185 F) (CCMI-3514774)  (supersedes 5100011-R015 & 5100011-R192)  EXTENSION, Engine thermostat (coach 00532 & up)  FAN, Engine (6 blade 20 inch diameter ) (CCMI-1074949)  SCREW, Fan to pulley (CCMI-181088)  SCREW, Fan to pulley (CCMI-181092)  WASHER, Fan to pulley screw (CCMI-6022185)  WASHER, Fan to pulley screw (CCMI-6027185)  SPACER, Fan pulley (CCMI-3675419)  PULLEY, Fan driven (CCMI-3675423)  BELT ASSY, Fan drive (matched set) (CCMI-3675433)  HOSE ASSY, Transmission to radiator (50 inch length) (coaches 00001 to 00223)  HOSE ASSY, Transmission to radiator (75 inch length) (coaches 00224 & up)  HOSE ASSY, Transmission to radiator (75 inch length) (coaches 00201 to 00223)  HOSE ASSY, Transmission to radiator (57 inch length) (coaches 00214 & up)  BUSHING Hose at radiator (coaches 00224 to 00964) (WD-C3109X12X6)  CONNECTOR, Hose at radiator (WD-48X6X2)	1 1 2 2 2 1 1 1 1 1 1 1 1 1 1 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 1
2 3 51 3 4 Mil 3 5 1 5 1 5 1 5 1 5 1 5 1 6 5 1 7 6 7 6 7 6 7 7 6 7 7 6 7 7 6 7 7 7 7	5100011-R013 5100011-R014 M17010 5100011-R229 5106256 5100011-R016 5100011-R017 5108691-03 5100011-R018 5108691-05 5100011-R227 5100011-R119 5100011-R002 5100521 5101636 5100524 5101635 5100573-01 5100573-03 5100573-02 624096	S100011-R012) GASKET, Water outlet (CCMI-50082) SCREW, Water outlet connector (CCMI-180122) NUT, Outlet connector to extension (3/8-16) THERMOSTAT, Engine (185 F) (CCMI-3514774)    (supersedes 5100011-R015 & 5100011-R192) EXTENSION, Engine thermostat (coach 00532 & up) FAN, Engine (6 blade 20 inch diameter) (CCMI-1074949) SCREW, Fan to pulley (CCMI-181088) SCREW, Fan to pulley (CCMI-181082) WASHER, Fan to pulley screw (CCMI-6022185) WASHER, Fan to pulley screw (CCMI-6027185) SPACER, Fan pulley (CCMI-3675419) PULLEY, Fan driven (CCMI-3675423) BELT ASSY, Fan drive (matched set) (CCMI-3675433) HOSE ASSY, Transmission to radiator (50 inch length)    (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (75 inch length)    (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (75 inch length)    (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)    (coaches 00224 & up) BUSHING Hose at radiator (coaches 00224 to 00964)    (WD-C3109X12X6) CONNECTOR, Hose at radiator (WD-48X6X6)	1 2 2 1 1 4 4 4 4 3 1 1 1
3	5100011-R014 M17010 5100011-R229 5106256 5100011-R017 5100011-R017 5108691-03 5100011-R018 5100011-R227 5100011-R227 5100011-R119 51000521 5101636 5100524 5101635 5100573-01 5100573-03 5100573-02 624096	GASKET, Water outlet (CCMI-50082) SCREW, Water outlet connector (CCMI-180122) NUT, Outlet connector to extension (3/8-16) THERMOSTAT, Engine (185 F) (CCMI-3514774)    (supersedes 5100011-R015 & 5100011-R192) EXTENSION, Engine thermostat (coach 00532 & up) FAN, Engine (6 blade 20 inch diameter ) (CCMI-1074949) SCREW, Fan to pulley (CCMI-181088) SCREW, Fan to pulley (CCMI-181092) WASHER, Fan to pulley screw (CCMI-6022185) WASHER, Fan to pulley screw (CCMI-6027185) SPACER, Fan pulley (CCMI-3675419) PULLEY, Fan driven (CCMI-3675423) BELT ASSY, Fransmission to radiator (50 inch length)    (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)    (coaches 000214 & up) HOSE ASSY, Transmission to radiator (75 inch length)    (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)    (coaches 00224 & up) BUSHING Hose at radiator (coaches 00224 to 00964)    (WD-C3109X12X6) CONNECTOR, Hose at radiator (WD-48X6X6)	1 2 2 1 1 4 4 4 4 3 1 1 1
3 4 MI 3-3 5 51 4 MI 3-3 5 51 8 51 8 51 9 51 12 51 13 51 14 51 14 51 14 51 15 51 16 M2 17 M2 18 M1 19 M1 20 51 22 51 23 24 51 3-3 25 51 26 51 27 51 51 51 51 51 51 51 51 51 51 51 51 51 5	5100011-R014 M17010 5100011-R229 5106256 5100011-R017 5100011-R017 5108691-03 5100011-R018 5100011-R227 5100011-R227 5100011-R119 51000521 5101636 5100524 5101635 5100573-01 5100573-03 5100573-02 624096	SCREW, Water outlet connector (CCMI-180122) NUT, Outlet connector to extension (3/8-16) THERMOSTAT, Engine (185 F) (CCMI-3514774)     (supersedes 5100011-R015 & 5100011-R192) EXTENSION, Engine thermostat (coach 00532 & up) FAN, Engine (6 blade 20 inch diameter ) (CCMI-1074949) SCREW, Fan to pulley (CCMI-181088) SCREW, Fan to pulley (CCMI-181092) WASHER, Fan to pulley screw (CCMI-6022185) WASHER, Fan to pulley screw (CCMI-6027185) SPACER, Fan pulley (CCMI-3675419) PULLEY, Fan driven (CCMI-3675423) BELT ASSY, Fan drive (matched set) (CCMI-3675433) HOSE ASSY, Transmission to radiator (50 inch length)     (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)     (coaches 00224 & up) HOSE ASSY, Transmission to radiator (75 inch length)     (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)     (coaches 00224 & up) BUSHING Hose at radiator (coaches 00224 to 00964)     (WD-C3109X12X6) CONNECTOR, Hose at radiator (WD-48X6X6)	2 2 1 1 4 4 4 4 3 1 1 1 1
3-3 5 51 6 53 7 51 8 51 8 51 9 51 11 51 12 51 13 51 14 51 14 51 14 51 15 51 16 51 17 M2 17 M2 18 M1 19 M1 19 M1 19 M1 20 M1 21 51 22 51 23 51 24 51 3-3 25 51 27 51 51 51	5100011-R229 5100011-R229 5100011-R016 5100011-R017 5108691-03 5100011-R018 5108691-05 5100011-R227 5100011-R119 5100011-R002 5100521 5101636 5100524 5101635 5100573-01 5100573-03 5100573-02 524096	NUT, Outlet connector to extension (3/8-16) THERMOSTAT, Engine (185 F) (CCMI-3514774)    (supersedes 5100011-R015 & 5100011-R192) EXTENSION, Engine thermostat (coach 00532 & up) FAN, Engine (6 blade 20 inch diameter) (CCMI-1074949) SCREW, Fan to pulley (CCMI-181098) SCREW, Fan to pulley (CCMI-181092) WASHER, Fan to pulley screw (CCMI-6022185) WASHER, Fan to pulley screw (CCMI-6027185) SPACER, Fan pulley (CCMI-3675419) PULLEY, Fan driven (CCMI-3675423) BELT ASSY, Fan drive (matched set) (CCMI-3675433) HOSE ASSY, Transmission to radiator (50 inch length)    (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (75 inch length)    (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (75 inch length)    (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)    (coaches 00224 & up) BUSHING Hose at radiator (coaches 00224 to 00964)    (WD-C3109X12X6) CONNECTOR, Hose at radiator (WD-48X6X6)	2 1 1 4 4 4 4 3 1 1 1 1
6 51 7 51 8 51 8 51 9 51 11 51 12 51 13 51 14 51 14 51 14 51 14 51 16 51 17 M2 17 M2 18 M1 19 M1 3-3 20 M1 21 51 22 51 23 51 24 51 27 51 51 51 51 51 51	5106256 5100011-R016 5100011-R017 5108691-03 5100011-R018 5108691-05 5100011-R119 5100011-R119 51000521 5100524 5101636 5100524 5101635 5100573-01 5100573-03 5100573-02 524096	(supersedes 5100011-R015 & 5100011-R192) EXTENSION, Engine thermostat (coach 00532 & up) FAN, Engine (6 blade 20 inch diameter) (CCMI-1074949) SCREW, Fan to pulley (CCMI-181088) SCREW, Fan to pulley (CCMI-181092) WASHER, Fan to pulley screw (CCMI-6022185) WASHER, Fan to pulley screw (CCMI-6027185) SPACER, Fan pulley (CCMI-3675419) PULLEY, Fan driven (CCMI-3675423) BELT ASSY, Fan drive (matched set) (CCMI-3675433) HOSE ASSY, Transmission to radiator (50 inch length)   (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)   (coaches 000214 & up) HOSE ASSY, Transmission to radiator (75 inch length)   (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)   (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)   (coaches 00224 & up) BUSHING Hose at radiator (coaches 00224 to 00964)   (WD-C3109X12X6) CONNECTOR, Hose at radiator (WD-48X6X6)	1 1 4 4 4 4 3 1 1 1
3-3   15   51   14   51   15   15   16   17   18   19   19	5100011-R016 5100011-R017 5108691-03 5108691-05 5100011-R227 5100011-R227 5100011-R002 5100521 5101636 5100524 5101635 5100573-01 5100573-03 5100573-02 524096	EXTENSION, Engine thermostat (coach 00532 & up) FAN, Engine (6 blade 20 inch diameter ) (CCMI-1074949) SCREW, Fan to pulley (CCMI-181088) SCREW, Fan to pulley (CCMI-181092) WASHER, Fan to pulley screw (CCMI-6022185) WASHER, Fan to pulley screw (CCMI-6027185) SPACER, Fan pulley (CCMI-3675419) PULLEY, Fan driven (CCMI-3675423) BELT ASSY, Fan drive (matched set) (CCMI-3675433) HOSE ASSY, Transmission to radiator (50 inch length)   (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)   (coaches 00224 & up) HOSE ASSY, Transmission to radiator (75 inch length)   (coaches 00201 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)   (coaches 00204 & up) BUSHING Hose at radiator (coaches 00224 to 00964)   (WD-C3109X12X6) CONNECTOR, Hose at radiator (WD-48X6X6)	1 4 4 4 4 3 1 1 1
7   51   8   51   9   51   9   51   10   51   11   51   12   51   13   51   14   51   14   51   14   51   15   16   17   18   19   18   19   18   19   18   19   18   19   13   51   22   51   23   51   23   51   26   51   27   51   51   51   51   51   51   51   5	5100011-R016 5100011-R017 5108691-03 5108691-05 5100011-R227 5100011-R227 5100011-R002 5100521 5101636 5100524 5101635 5100573-01 5100573-03 5100573-02 524096	FAN, Engine (6 blade 20 inch diameter) (CCMI-1074949) SCREW, Fan to pulley (CCMI-181088) SCREW, Fan to pulley (CCMI-181092) WASHER, Fan to pulley screw (CCMI-6022185) WASHER, Fan to pulley screw (CCMI-6027185) SPACER, Fan pulley (CCMI-3675419) PULLEY, Fan driven (CCMI-3675423) BELT ASSY, Fan drive (matched set) (CCMI-3675433) HOSE ASSY, Transmission to radiator (50 inch length) (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length) (coaches 00224 & up) HOSE ASSY, Transmission to radiator (75 inch length) (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length) (coaches 00224 & up) BUSHING Hose at radiator (coaches 00224 to 00964) (WD-C3109X12X6) CONNECTOR, Hose at radiator (WD-48X6X6)	1 4 4 4 3 1 1 1 1
8 51 8 51 9 51 9 51 11 51 12 51 13 51 14 51 14 51 14 51 15 51 16 51 16 51 17 M2 18 M1 19 M1 20 M1 21 51 22 51 23 3-3 24 51 3-3 25 51 26 51 27 51 51 51 51 51 51	5100011-R017 5108691-03 5100011-R018 5108691-05 5100011-R227 5100011-R119 5100011-R002 5100521 5101636 5100524 5101635 5100573-01 5100573-03 5100573-02 524096	SCREW, Fan to pulley (CCMI-181088) SCREW, Fan to pulley (CCMI-181092) WASHER, Fan to pulley screw (CCMI-6022185) WASHER, Fan to pulley screw (CCMI-6027185) SPACER, Fan pulley (CCMI-3675419) PULLEY, Fan driven (CCMI-3675423) BELT ASSY, Fan drive (matched set) (CCMI-3675433) HOSE ASSY, Transmission to radiator (50 inch length)         (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)         (coaches 00224 & up) HOSE ASSY, Transmission to radiator (75 inch length)         (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)         (coaches 000024 & up) BUSHING Hose at radiator (coaches 00224 to 00964)         (WD-C3109X12X6) CONNECTOR, Hose at radiator (WD-48X6X6)	4 4 4 3 1 1 1 1
8 51 9 51 10 51 11 51 12 51 13 51 14 51 14 51 3-3 15 51 15 51 16 51 17 M2 17 M2 18 M1 19 M1 19 M1 21 51 22 51 3-3 25 51 26 51 27 51 51 51 51 51 51 51 51 51 51 51 51 51 5	5108691-03 5100011-R018 5108691-05 5100011-R227 5100011-R119 5100011-R002 5100521 5101636 5100524 5101635 5100573-01 5100573-03 5100573-02 524096	SCREW, Fan to pulley (CCMI-181092) WASHER, Fan to pulley screw (CCMI-6022185) WASHER, Fan to pulley screw (CCMI-6027185) SPACER, Fan pulley (CCMI-3675419) PULLEY, Fan driven (CCMI-3675423) BELT ASSY, Fan drive (matched set) (CCMI-3675433) HOSE ASSY, Transmission to radiator (50 inch length)   (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)   (coaches 00224 & up) HOSE ASSY, Transmission to radiator (75 inch length)   (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)   (coaches 00001 to 00223) BUSHING Hose at radiator (coaches 00224 to 00964)   (WD-C3109X12X6) CONNECTOR, Hose at radiator (WD-48X6X6)	4 4 3 1 1 1 1
3-3   10   51   12   51   13   51   14   51   14   51   14   51   15   16   17   18   19   18   19   18   19   18   19   18   19   18   19   18   19   18   19   18   19   18   19   18   19   18   19   19	5108691-05 5100011-R227 5100011-R119 5100011-R002 5100521 5101636 5100524 5101635 5100573-01 5100573-03 5100573-02	WASHER, Fan to pulley screw (CCMI-6022185) WASHER, Fan to pulley screw (CCMI-6027185) SPACER, Fan pulley (CCMI-3675419) PULLEY, Fan driven (CCMI-3675423) BELT ASSY, Fan drive (matched set) (CCMI-3675433) HOSE ASSY, Transmission to radiator (50 inch length)   (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)   (coaches 00224 & up) HOSE ASSY, Transmission to radiator (75 inch length)   (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)   (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)   (coaches 00224 & up) BUSHING Hose at radiator (coaches 00224 to 00964)   (WD-C3109X12X6) CONNECTOR, Hose at radiator (WD-48X6X6)	4 4 3 1 1 1 1
3-3   10   51   12   51   12   51   13   51   14   51   14   51   14   51   15   16   17   18   19   18   19   19   19   19   19	5100011-R227 5100011-R119 5100011-R002 5100521 5101636 5100524 5101635 5100573-01 5100573-03 5100573-02 524096	SPACER, Fan pulley (CCMI-3675419) PULLEY, Fan driven (CCMI-3675423) BELT ASSY, Fan drive (matched set) (CCMI-3675433) HOSE ASSY, Transmission to radiator (50 inch length)   (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)   (coaches 00224 & up) HOSE ASSY, Transmission to radiator (75 inch length)   (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)   (coaches 00024 & up) BUSHING Hose at radiator (coaches 00224 to 00964)   (WD-C3109X12X6) CONNECTOR, Hose at radiator (WD-48X6X6)	3 1 1 1 1
11   51   12   51   13   51   14   51   14   51   15   16   17   18   19   17   18   19   19   19   19   19   19   19	5100011-R119 5100011-R002 5100521 5101636 5100524 5101635 5100573-01 5100573-03 5100573-02	PULLEY, Fan driven (CCMI-3675423) BELT ASSY, Fan drive (matched set) (CCMI-3675433) HOSE ASSY, Transmission to radiator (50 inch length)   (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)   (coaches 00224 & up) HOSE ASSY, Transmission to radiator (75 inch length)   (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)   (coaches 00224 & up) BUSHING Hose at radiator (coaches 00224 to 00964)   (WD-C3109X12X6) CONNECTOR, Hose at radiator (WD-48X6X6)	1 1 1 1
12   51   13   51   14   51   14   51   15   16   17   18   17   18   19   17   18   19   17   18   19   17   18   19   18   18	5100011-R002 5100521 5101636 5100524 5101635 5100573-01 5100573-03 5100573-02	BELT ASSY, Fan drive (matched set) (CCMI-3675433) HOSE ASSY, Transmission to radiator (50 inch length)   (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)   (coaches 00224 & up) HOSE ASSY, Transmission to radiator (75 inch length)   (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length)   (coaches 00224 & up) BUSHING Hose at radiator (coaches 00224 to 00964)   (WD-C3109X12X6) CONNECTOR, Hose at radiator (WD-48X6X6)	1 1 1 1
3-3   13   51   14   51   14   51   14   51   15   15	5100521 5101636 5100524 5101635 5100573-01 5100573-03 5100573-02	HOSE ASSY, Transmission to radiator (50 inch length) (coaches 00001 to 00223)  HOSE ASSY, Transmission to radiator (57 inch length) (coaches 00224 & up)  HOSE ASSY, Transmission to radiator (75 inch length) (coaches 00001 to 00223)  HOSE ASSY, Transmission to radiator (57 inch length) (coaches 00224 & up)  BUSHING Hose at radiator (coaches 00224 to 00964) (WD-C3109X12X6)  CONNECTOR, Hose at radiator (WD-48X6X6)	1 1 1
14 51 14 51 3-3 15 51 16 51 17 M2 18 M1 19 M1 19 M1 21 51 22 51 23 51 3-3 24 51 3-3 25 51 26 51 27 51 51 51 51 51 51 51 51 51 51 51 51 51 5	5100524 5101635 5100573-01 5100573-03 5100573-02 124096	(coaches 00001 to 00223)  HOSE ASSY, Transmission to radiator (57 inch length)  (coaches 00224 & up)  HOSE ASSY, Transmission to radiator (75 inch length)  (coaches 00001 to 00223)  HOSE ASSY, Transmission to radiator (57 inch length)  (coaches 00224 & up)  BUSHING Hose at radiator (coaches 00224 to 00964)  (WD-C3109X12X6)  CONNECTOR, Hose at radiator (WD-48X6X6)	1 1 1
14 51 14 51 14 51 15 51 16 51 17 M2 18 M1 19 M1 19 M1 21 51 22 51 23 51 24 51 3-3 25 51 26 51 27 51 51 51 51 51 51 51 51 51 51 51 51 51 5	5100524 5101635 5100573-01 5100573-03 5100573-02 124096	(coaches 00224 & up)  HOSE ASSY, Transmission to radiator (75 inch length) (coaches 00001 to 00223)  HOSE ASSY, Transmission to radiator (57 inch length) (coaches 00224 & up)  BUSHING Hose at radiator (coaches 00224 to 00964) (WD-C3109X12X6)  CONNECTOR, Hose at radiator (WD-48X6X6)	1
3-3 15 51 16 51 M2 M2 17 M2 18 M1 19 M1 22 51 23 51 3-3 25 51 26 51 27 51 51 51 51 51 51 51 51 51 51 51 51 51	5101635 5100573-01 5100573-03 5100573-02 124096	HOSE ASSY, Transmission to radiator (75 inch length) (coaches 00001 to 00223) HOSE ASSY, Transmission to radiator (57 inch length) (coaches 00224 & up) BUSHING Hose at radiator (coaches 00224 to 00964) (WD-C3109X12X6) CONNECTOR, Hose at radiator (WD-48X6X6)	1
3-3 15 51 16 51 16 51 17 M2 18 M1 19 M1 21 51 22 51 31 31 31 32 5 51 31 31 31 31 31 31 31 31 31 31 31 31 31	5100573-01 5100573-03 5100573-02 124096	HOSE ASSY, Transmission to radiator (57 inch length) (coaches 00224 & up) BUSHING Hose at radiator (coaches 00224 to 00964) (WD-C3109X12X6) CONNECTOR, Hose at radiator (WD-48X6X6)	1
15 51 16 81 17 M2 18 M1 19 M1 20 M1 21 51 22 51 23 51 3-3 24 51 3-3 25 51 26 51 27 51 51 51 51 51 51 51 51 51 51 51 51	5100573-03 5100573-02 124096	(coaches 00224 & up) BUSHING Hose at radiator (coaches 00224 to 00964) (WD-C3109X12X6) CONNECTOR, Hose at radiator (WD-48X6X6)	
3-3   26   51   M2   M2   M1   M2   M1   M2   M1   M2   M1   M2   M1   M2   M2	3100573-02 124096	(WD-C3109X12X6) CONNECTOR, Hose at radiator (WD-48X6X6)	2
3-3   26   51   M2   M2   M2   M1   M2   M1   M1   M	3100573-02 124096	CONNECTOR, Hose at radiator (WD-48X6X6) CONNECTOR, Hose at transmission (WD-48X6X2)	
3-3 20 M1 22 51 23 51 3-3 24 51 51 51 51 51 51 51 51 51 51 51 51 51	124096	CONNECTOR. Hose at transmission (WD-48X6X2)	2 2
3-3   20   M1   22   M1   22   51   23   51   24   51   27   51   51   51   51   51   51   51   5		FITTING, Hose at transmission	2
3-3   20   M1   21   51   22   51   23   51   3-3   25   51   26   51   51   51   51   51   51   51   5		CLAMP, Hose to frame loop	2 8
3-3 20 M1 21 51 22 51 23 51 3-3 24 51 3-3 25 51 26 51 51 51 51 51 51 51 51 51 51 51 51 51 51 51 51 51	118057	BOLT, Hose clamp (1/4-20 x 3/8)	8
21 51 22 51 23 51 24 51 3-3 25 51 26 51 27 51 51 51 51 51 51 51 51 51 51 51 51 51 5	117040	NUT, Hose clamp bolt (1/4-20)	8
22 51 23 51 24 51 3-3 25 51 26 51 27 51 51 51 51 51 51 51 51 51 51 51 51 51 5	117044 5100011-R023	LOCKWASHER, Hose clamp bolt (1/4)	8
3-3 24 51 3-3 25 51 26 51 27 51 51 51 51 51 51 51 51 51 51 51 51 51 5	3100011-R023	PUMP ASSY, Engine water (CCMI-3514162) GASKET, Pump body (CCMI-1737705)	1
3-3 25 51 26 51 27 51 51 51 51 51 51 51 51 51 51 51 51 51 5	3100011-R160	HUB, Fan pulley (CCMI-1679147)	1
26 51 27 51 51 51 51 51 51 51 51 51 51 51 51 51 5	3100011-R156	IMPELLER, Water pump (CCMI-2843635)	ī
27   51   51   51   51   51   51   51   5	3100011-R157	SEAL, Water pump body (CCMI-2532493)	1
51 51 51 51 51 51 51 51 51 52 8 51 8 51 8 51 8 51 8 51 8 51 8 51 8 51	5100011-R158 5100011-R159	SPACER, Water pump shaft (CCMI-1679143) SHAFT W/BEARINGS, Pump (CCMI-6620528)	1
51 51 51 51 51 51 52 8 51 3-3 29 M2	3100011-R154	PLUG, Water pump housing (CCMI-444668)	1 2
28 51 3-3 29 M2	3100011-R155	PLUG, Water pump housing (CCMI-1859127)	1
28 51 51 51 29 M2	3100011-R231	HOUSING, Water pump body to B lock (CCMI-3751217)	ī
.3-3 28 51 28 51 29 M2	3100011-R161 3100011-R162	SCREW, Pump housing attaching (CCMI-180137)	1 5
.3-3 29 M2	3100011-R162 3100011-R026	SCREW, Pump housing attaching (CCMI-186282) GASKET, Pump housing to B lock (CCMI-1737761)	1 2
	107012	VENT. Radiator cooling (coaches 00646 & up)	3
1	125034	RIVET, Vent to cowl	12
<i>P</i>	~ /		
	FAN bolts -	- Napa # 25-7370	

ISSUED \_ 

GROUP 13 Cooling System
MODEL 2900R



SD-1004

Figure 13-4. Low Water Level Detector Parts

FIG NO.	NO.	PART NUMBER	ITEM DESCRIPTION	QTY PER UNIT
13-4 13-4	1 2 3 4	5106886 5106735 M15310 M15033	RADIATOR LOW WATER LEVEL  DETECTOR PARTS (COACH 00646 AND UP)  SENDING UNIT, Low water level (in radiator)  (RBS-613NLG)  BUZZER, Low water level (CH-4099)  CAPACITOR, Low water level circuit (25WVDC)  (SPR-1960-685-9025SAI)  FUSE, Low water level circuit (10 AMP)	1 1 1 1



REVISED C4, 9/76