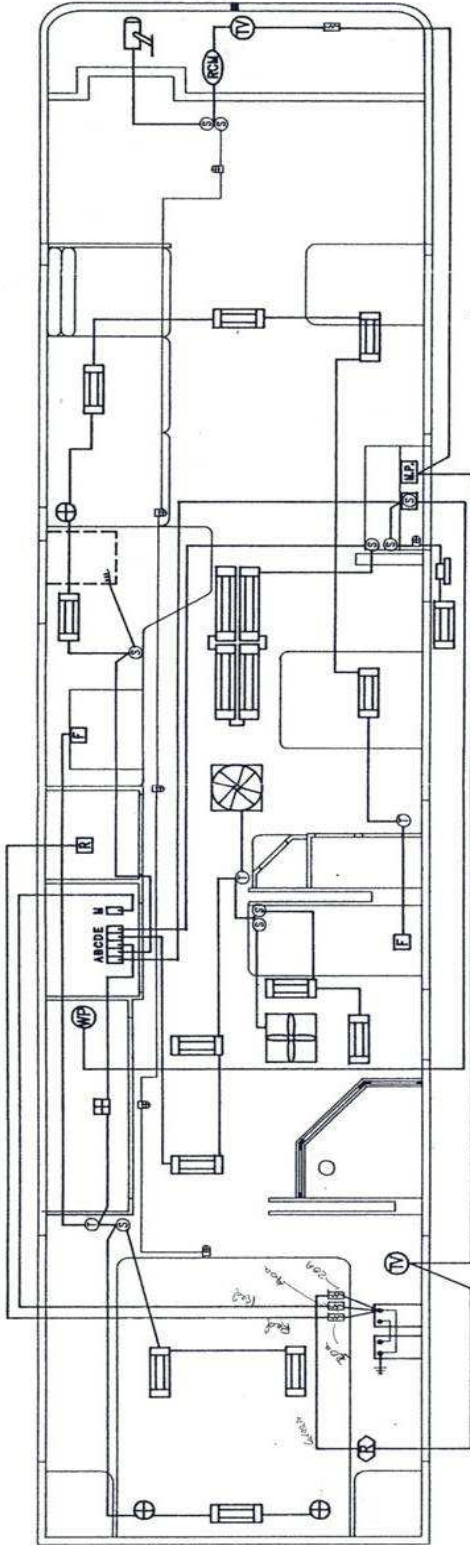


**1992 - 1993**  
**HMC & AEROSPORT**

**ELECTRICAL**  
**SCHEMATICS**

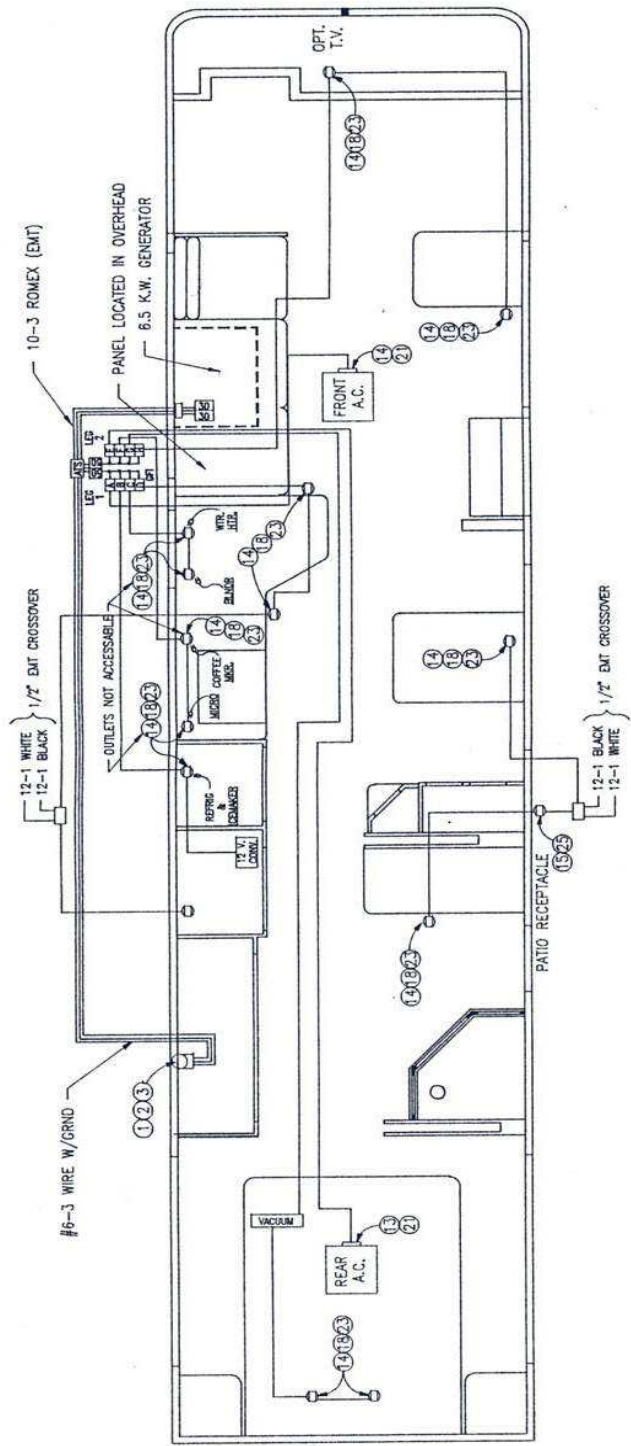


CIRCUIT	WIRE	COLOR	AMPS	FUSE	BREAKER	CONVERTER LOAD CALCULATIONS	AMPS
A	14-1	BROWN	9.7	15 A	--	TOTAL CONVERTER LOAD	51.4
B	14-1	YELLOW	11.7	15 A	--	FIRST 20 AMPS-100%	20.0
C	14-1	BLACK	11.1	15 A	--	SECOND 20 AMPS-50%	10.0
D	14-1	BLUE	10.5	15 A	--	AMPS OVER 40-25%	2.9
E	14-1	ORANGE	8.4	15 A	--	CALCULATED LOAD	32.9
REFRIG.	10-1	RED	20.0	--	30 A	CONVERTER RATING	45.0
TV, M.P., R	12-1	GREEN	16.0	--	20 A	AVERAGE CHARGING RATE = 3 AMPS	
BATTERY	8-1	RED	--	--	40 A		

LEGEND	AMPS	LEGEND	AMPS
SMALL 2 TUBE FLOURESCENT LIGHT	1.5	M.P. MONITOR PANEL	1.0
LARGE 2 TUBE FLOURESCENT LIGHT	2.1	R AM/FM CASSETTE RADIO	3.0
INCANDESCENT LIGHT	1.0	RCM REARVIEW CAMERA MONITOR	1.0
ROOF VENT	1.0	WATER HEATER IGNITOR	0.0
ROOF EXHAUST FAN	3.5	SHADED INCANDESCENT LIGHT	1.0
FURNACE	3.2	WATER PUMP	7.0
REFRIGERATOR	20.0	TELEVISION JACK	5.0
READING LIGHT	1.0	THERMOSTAT	0.0
STEP LIGHT	0.6	SWITCH	0.0
PORCH LIGHT	0.6		

HAWKINS MOTOR COACH INC.  
 SCALE 3/8" = 1' DATE 6/17/92 DRAWN K.D.  
 12 V. D.C. SCHEMATIC (E-10)  
 NO. \_\_\_\_\_ OF \_\_\_\_\_ DWG. NO. BP/WBP/AP-378  
 REVISIONS BY DATE





NOTES:

1. ALL ELECT. INSTALL. SYSTEM & EQUIP. COMPLIES W/1990 NFPA 501C : ANSI A119.2 FMVSS 301 & 302 ARTICLE 551-10 (A) THROUGH (D),(1) THROUGH (B) OF NFPA 70 NEC
2. THE POWER SUPPLY TO THE MOTORHOME SHALL BE A FEEDER ASSEMBLY CONSISTING OF NOT MORE THAN ONE LISTED 50 AMP. POWER SUPPLY CORD.

WIRE SIZE	CIRCUIT
10-3 ROMEX NM-B W/GRND	A-E
12-2 ROMEX	B,C,D,F,G,H

CIRCUIT	DESC.	AMPS.	BREAKER
A	FRONT A.C.	15.3	20 A
B	REFRIG.	5.8	20 A
C	CON.-CHARGE	3.0	20 A
D	WTR. HTR.	10.9	20 A
	BLENDER	5.4	20 A
	OUTLETS (6)	∅	20 A (GF)
	WASH/DRY	16.0	

CIRCUIT	DESC.	AMPS.	BREAKER
E	REAR A.C.	15.3	20 A
F	MICRO	13.3	20 A
G	COFFEE MKR.	8.4	20 A
	VACUUM	6.5	20 A
	OUTLETS (2)	∅	20 A
	OUTLETS (1)	∅	20 A
	OPT. T.V.	1.5	20 A

NO.	REVISIONS	BY	DATE	OF	DWG. NO.
					BP/WBP/AP-378

HAWKINS MOTOR COACH INC.			
SCALE	DATE	DRAWN	K.D.
3/8" = 1'	6/17/92		

E-5 50 AMP. 120/240 VOLT ELECTRICAL SYSTEM SCHEMATIC	
--	--

ITEM#	DESCRIPTION	RQD	COMMENTS	ITEM#	DESCRIPTION	RQD	COMMENTS
1	#7715CROEM 50A COVER W/RING CONN.	1		42			
2	#6374CROEM 50A 125/250 INLET	1		43			
3	#6364CROEM 50A 125/250 CONNECTOR	1		44			
4	#P.S.250 240/50A AUTO TRANSFER SWITCH	1		45			
5	BREAKER BOX - #LC066M5 125A	1		46			
6	120/240V W/6-12 SPACE SURFACE MNT			47			
7	50A MAIN SINGLE BREAKER	2		48			
8	TWIN 20A/20A BREAKER	3		49			
9	SINGLE 20A BREAKER	1		50			
10	SINGLE 20A (GFCI) BREAKER	1		51			
11	ROMEX CLAMP	2		52			
12	EMT CONDUIT - 1/2 METAL	1		53			
13	STRAIGHT COUPLING - 1/2 EMT	2		54			
14	PLASTIC J-BOX ONE-GANG 16 CU.IN.	17		55			
15	METAL J-BOX ONE-GANG 16.0 CU.IN.	1		56			
16	METAL J-BOX TWO-GANG 3/4 OUT 30.5 CU.IN.	1		57			
17	METAL J-BOX TWO-GANG 3/4 KO 32 CU.IN.	2		58			
18	RECEP. - DUPLEX, BRN 12-2 W/GRND	15		59			
19				60			
20	COVER PLATE - TWO-GANG METAL	3		61			
21	COVER PLATE ONE-GANG WHITE	2		62			
22				63			
23	COVER PLATE ONE-GANG DUPLEX BRN	15		64			
24				65			
25	COVER PLATE ONE-GANG DUPLEX WEATHERPROOF	1		66			
				67			
				68			
				69			
				70			
				71			
				72			
				73			
				74			
				75			
				76			
				77			

LOAD CALCULATIONS  
 LIGHTING LOAD - 3 x 8 x 37 = 888  
 888 ÷ 230 = 3.9 AMPS PER LEG

AMPS PER LEG	
ONE	3.9
TWO	3.9
TOTAL	15.3
LIGHTING	
FRONT A.C.	
REAR A.C.	15.3
MICROWAVE	13.3
WATER HEATER (Ø125%)	10.9
25% OF LARGEST MOTOR (A.C.)	3.8
TOTAL	33.9
	36.3

HAWKINS MOTOR COACH INC.	
SCALE	DATE 6/17/92 DRAWN K.D.
E-5 50 AMP. 120/240 VOLT	
ELECTRICAL SYSTEM SCHEMATIC	
BY	DATE 2 OF 2 DWG. NO. BP/WBP/AP-378

REVISIONS



