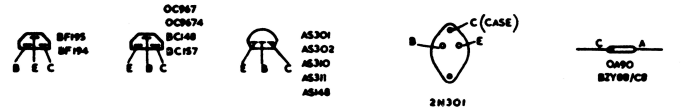
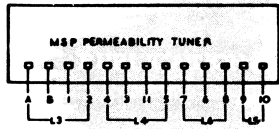
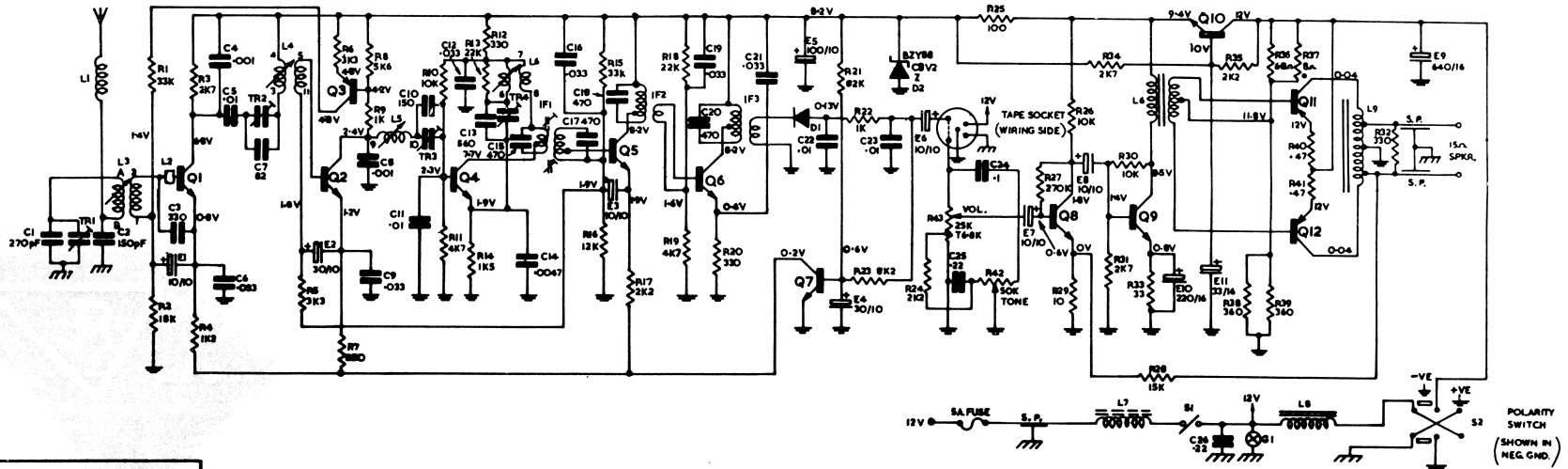


FERRIS TRANSISTOR CAR RADIO



NOTE: ALL VOLTAGE MEASUREMENT TAKEN WITH 20000 ohm PER VOLT METER AT ZERO INPUT SIGNAL.

RESISTORS

All 1/4 Watt 10% unless otherwise specified.

R1	33K	Ohm 5%		
R2	18K	"	R23	8.2K
R3	2.7K	"	R24	2.2K
R4	1.2K	"	R25	100
R5	3.3K	"	R26	10K
R6	3.3K	"	R27	270K
R7	680	5%	R28	15K
R8	5.6K	"	R29	10
R9	1K	"	R30	10K
R10	10K	"	R31	2.7K
R11	4.7K	"	R32	330
R12	330	"	R33	33
R13	22K	"	R34	2.7K
R14	1.5K	"	R35	2.2K
R15	33K	5%	R36	6.8
R16	12K	5%	R37	8
R17	2.2K	5%	R38	360 Ohm
R18	22K	"	R39	360
R19	4.7K	"	R40	0.47 Ohm
R20	330	"	R41	0.47
R21	82K	"	R42	50K
R22	1K	"	R43	25K TAP 6.8K

CAPACITORS

C1	270 pF	125V 10%	Polystyrene	E1	10 uF	10V	Electrolytic
C2	150 pF	125V 10%	Polystyrene	E2	30 uF	10V	"
C3	330 pF	100V	Ceramic	E3	10 uF	10V	"
C4	.001 uF	100V	Polyester	E4	30 uF	10V	"
C5	.01 uF	100V	Polyester	E5	100 uF	10V	"
C6	.033 uF	100V	Polyester	E6	10 uF	10V	"
C7	82 pF	125V 10%	Polystyrene	E7	10 uF	10V	"
C8	.001 uF	100V	Polyester	E8	10 uF	10V	"
C9	.033 uF	100V	Polyester	E9	640 uF	16V	"
C10	150 pF	125V 10%	Polystyrene	E10	220 uF	16V	"
C11				E11	33 uF	16V	"
C12							
C13							
C14							
C15							
C16							
C17							
C18							
C19							
C20							
C21							
C22							
C23							
C24							
C25							
C26							

TRIMMERS

TR1	35-120 pF	3 Plate MSP 69698
TR2	35-120 pF	3 Plate MSP 39375
TR3	5-55 pF	2 Plate CWA
TR4	5-65 pF	CO10-GA60E Mullard

TRANSFORMERS

IF1	455 KHz Transformer	9129
IF2	455 KHz	9131
IF3	455 KHz	9132
L1	6108 Aerial Choke	
L2	Ferrite Bead	
L3	Permeability Tuner. Push Button M249	64600-052
L4	Permeability Tuner. Manual M242	64600-053
L5		
L6		
L7	828 HF Choke	
L8	8134 LF Choke	
L9	5219 Driver Transformer	
L10	4343 Output Choke	

Band Coverage: 520-1620 KHz
 IF Frequency: 455 KHz
 Total Battery Current at Zero Signal including Dial Lamp = 330 mA @ 12 Volt.
 Collector Current of O/P Stage at Zero Signal = 140 mA.

G1	P-Lamp	1.2 Watt	Green
TRANSISTORS			
Q1	AS301 AMV or	BF195	Mullard
Q2	AS301 AMV or	BF195	Mullard
Q3	AS158 AMV or	BC157	Mullard
Q4	AS301 AMV or	BF195	Mullard
Q5	AS302 AMV or	BF194	Mullard
Q6	AS302 AMV or	BF194	Mullard
Q7	AS148 AMV or	BC148	Mullard
Q8	AS148 AMV or	BC148	Mullard
Q9	AS310 AMV or	OC9674	Mullard
Q10	AS311 AMV or	OC967	Mullard
Q11	2N301 AMV or	2N301	Mullard
Q12	2N301 AMV or	2N301	Mullard

DIODES

D1	OA90
D2	BZY88/C8