

REPLACEMENT OF OUTPUT TRANSISTOR

NOTE: A Power Transistor Replacement Accessory Package, Part No. 7001-104-01 is available and contains sufficient hardware to service

When refitting or replacing an output transistor, check that the mount position and faces are clean and free from dust, grit or metal particles.

After removing the mount screws or having drilled out the eye-lets, carefully wipe the heat sink clean.

Smear a thin film of silicone compound, Part No. 1036-001-09, on both sides of mica washer and the mount faces of chassis and transistor.

MEASUREMENT AND ADJUSTMENT OF OUTPUT TRANSISTOR COLLECTOR CURRENT.

EQUIPMENT: Current Meter: 0-1 Amp. D.C.  
Supply Source: 13.0 Volts D.C.

CONDITIONS: Note receiver polarity changeover setting then connect supply leads accordingly.  
Disconnect lead from collector terminal solder lug. Connect positive meter lead to solder lug and negative meter lead to free lead. No signal applied to aerial socket.  
Set volume control to minimum position.

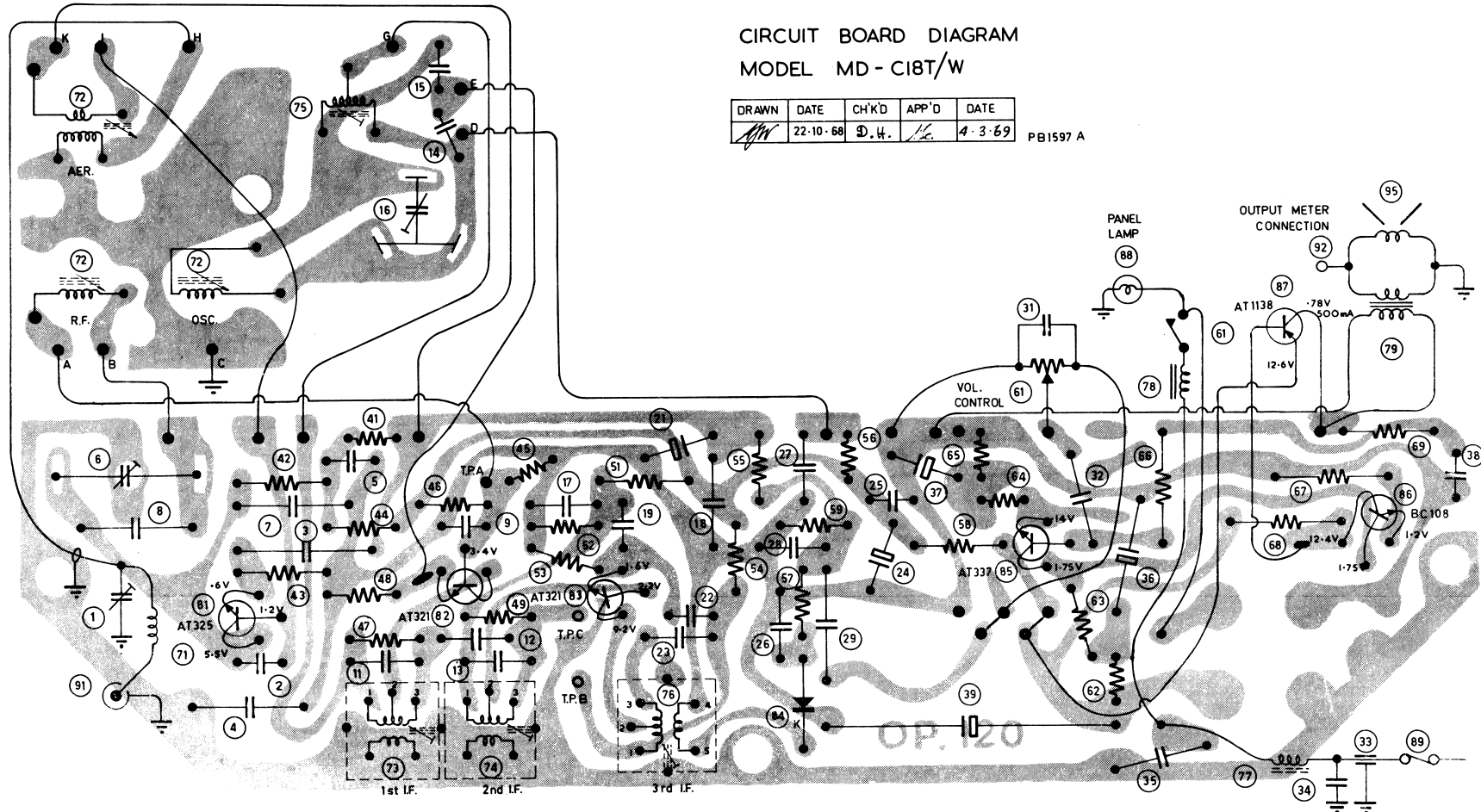
1. Switch receiver ON and allow to stabilize for at least two minutes.
2. Meter readings will vary with temperature. The following table shows permissible current ranges.

TEMPERATURE	<u>COLLECTOR CURRENT</u>			
		MIN. mA.		MAX. mA.
Less than 60°F	-	450	-	500
60° - 80°F	-	440	-	490
Greater than 80°F	-	430	-	480

NOTE 1. It is essential that the supply voltage be maintained at 13.0V when measuring output stage current.

NOTE 2. A 1.5Kohm resistor may be connected in parallel with circuit No. 65 when the collector current exceeds the maximum limits by up to 30 mA.



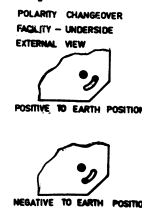
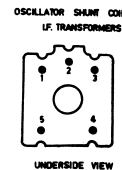
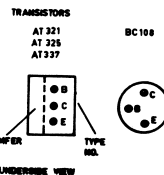
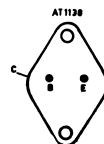
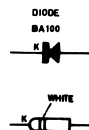
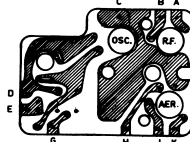
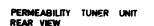
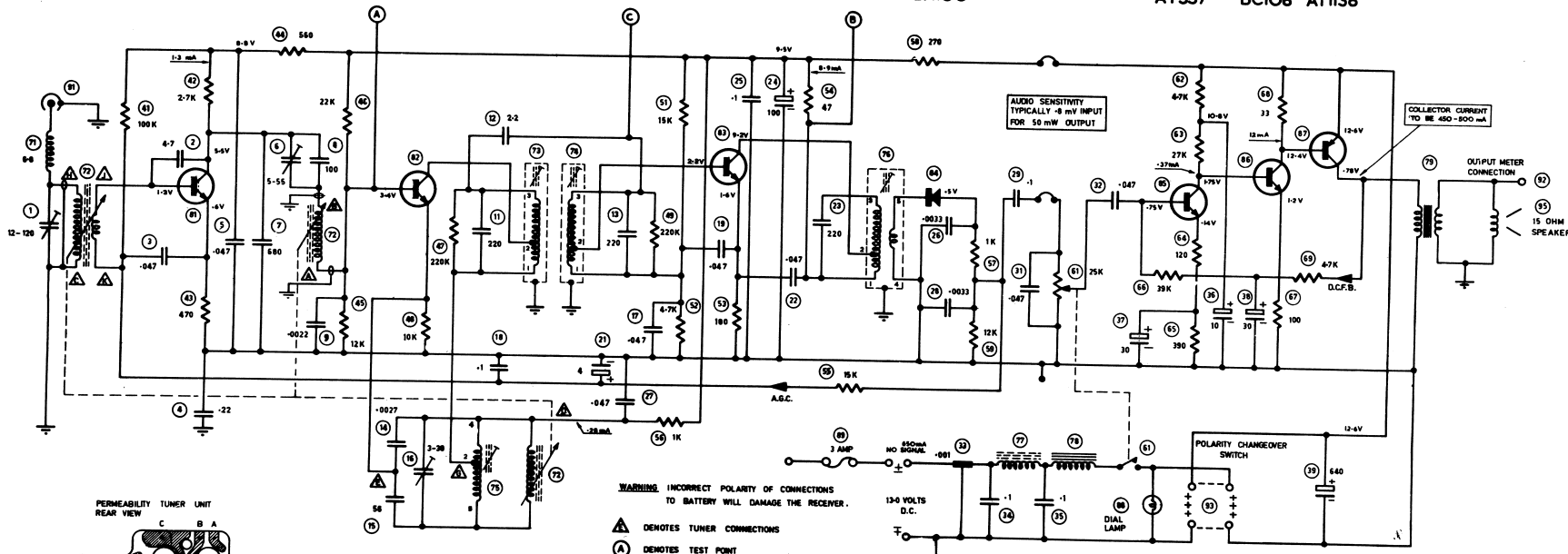
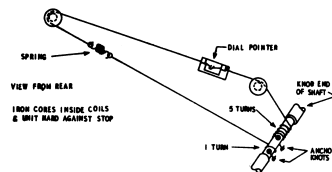


**MANUALLY TUNED**

## 6 TRANSISTOR 12 VOLT CAR RADIO

**ESPECIALLY DESIGNED FOR UNIVERSAL APPLICATIONS AND INCORPORATES  
A POLARITY CHANGEOVER FACILITY**

**WARNING:** BATTERY CONNECTION OF INCORRECT POLARITY WILL DAMAGE THE RECEIVER. SET THE RECEIVER POLARITY CHANGEOVER DISC TO CORRESPOND WITH SUPPLY SOURCE BEFORE MAKING CONNECTION TO RECEIVER.



ALL VOLTAGES MEASURED BETWEEN POINTS INDICATED AND NEGATIVE LINE WITH A D.C. VACUUM TUBE VOLTMETER. NO INPUT SIGNAL. NUMBERS ASSIGNED TO TERMINALS OF COILS AND TRANSFORMERS ARE TO FACILITATE CIRCUIT TRACING OR COMPONENT REPLACEMENT AND MAY NOT BE FOUND ON THE UNIT.

MODEL MD - C18T/W  
DUAL POLARITY  
6 TRANSISTOR MANUAL

DRAWN	DATE	CHECK'D	APP'D	DATE
<i>AM</i>	25.9.68	D. H.	<i>MB</i>	4-3-6