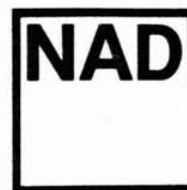


NAD (USA), INC.

675 Canton Street  
Norwood, Massachusetts 02062  
Telephone: (617) 769-7050 Telex: 924442



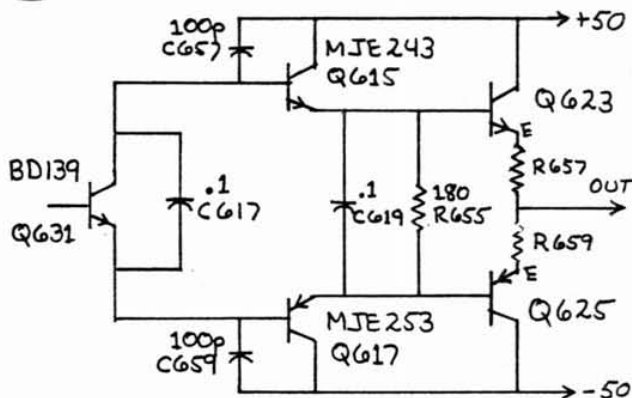
SERVICE BULLETIN

SB USA 035

2140, 3140 POWER AMP

9/3/81

Later 2140, (3140's) have simplified power amp driver stage, left channel shown:



Q623: MJ15003 OR 2SC2565

Q625: MJ15004 OR 2SA1095

R657, 659: .1  $\Omega$  OR .22  $\Omega$ , 5W

The changes are:

- 1) Q615, 616; BF 422; Change to MJE 243
- 2) Q617, 618; BF 423; Change to MJE 253
- 3) Q619, 620; MJE 253; Removed (used as Q617, 618)
- 4) Q621, 622; MJE 243; Removed (used as Q615, 616)
- 5) R647, 648, 649, 650; 330 ohm; Change to jumper wire
- 6) R651, 652, 653, 654; 3.3 ohm; Removed, not used

NOTE:

Set idle current (approx. 30mA) according to emitter resistors (R657, 658, 659, 660); measure from Emitter to Emitter, as follows:

- A) If .1 ohm, set for 6mV (5-7mV, limit)
- B) If .22 ohm, set for 14mV (12-15mV, limit)

Paul J. Ceurvels

  
National Service Manager