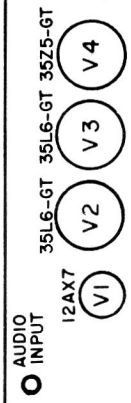


Model 4D28DX

TUBE LOCATIONS



Side View of Chassis.

— COMMON GROUND
⊥ CHASSIS GROUND

NOTE: ALL VOLTAGE READINGS TAKEN WITH A VACUUM TUBE VOLTMETER.

* R4, LOUDNESS CONTROL: RESISTANCE FROM 1 TO 2* .9 MEG. FROM 1 TO 3 = 1.8 MEG. FROM 1 TO 4 = 3 MEG.

| AMPLIFICATION CHECK | "TONE" CONTROL SETTING | "LOUDNESS" CONTROL SETTING | AUDIO INPUT LEVEL | AUDIO GENERATOR FREQUENCY | OUTPUT | |
|--------------------------|------------------------|----------------------------|-------------------|---------------------------------------|------------------------|-------------|
| | | | | | Volts | Watts |
| FREQUENCY RESPONSE CHECK | Mid Rotation | Maximum Volume | .2 Volts | 1,000 Cycles | 1.75 Minimum | 1.0 Minimum |
| | Mid Rotation | Maximum Volume | .2 Volts | In steps between 30 and 25,000 cycles | 1.75 Volts +1.25 -0.95 | ±3 Db |

If the amplifier response is satisfactory, check the pick-up cartridges, needles and speaker system. If the amplifier response is incorrect, trouble shoot the amplifier for a faulty component.