

DATE <u>2/7/53</u>	TMC SPECIFICATION NO. S-152	
SH. <u>1</u> OF <u>1</u>		
COMPILED BY ARB	TITLE: DIVERSITY CONTROL UNIT MODIFICATION	JOB
APPROVED		
<p>The purpose of this modification is to allow the pre-setting of the ten crystal positions to the desired frequency by means of individual trimmer capacitors instead of the single air trimmer C6 now in the circuit.</p> <p>The accompanying schematic diagram indicates the changes to be made in this modification.</p> <ol style="list-style-type: none">1. Remove C5.2. Remove C6.3. Change C30 to .001 uf.4. Install a 47 uuf. capacitor from the plate of V1 to ground.5. Add a 7-45 uuf. trimmer capacitor to each of the crystal positions.6. Remove the present one-pole, ten-position crystal selector switch and install a two-pole, ten position switch. This allows for switching both the plate and grid connections of each crystal.7. There is included several 5 uuf. capacitors which may be added in parallel to the 7-45 trimmer capacitors, if additional capacity is required for proper frequency. <p>The 7-45 trimmers should be installed either on the new switch or the crystal sockets, whichever is the more accessible. These trimmers should be adjusted with the crystals in their sockets to the proper operating frequency.</p>		