Midland Mdl. 79-012, "Slide Modification"

by B.W.

This is a '6001' marked front panel, but is a 79-012 chassis!

NOT the 79-006, which is also marked '6001' on the front panel....

MODIFICATION BELOW IS FOR THE 79-012 ONLY! Performed on S/N:23000315.

1. Remove front panel carefully; all below required to remove.
   A. Screw on etch side of front panel PCB.
   B. Meter leads must be unsoldered and bent back.
   C. Retainer nut and washer on the volume pot.
   D. Screws (4), on side of front panel, and of course all knobs.

2. Remove following from front panel PCB.
   A. R555, clean out hole that is on clarifier pot leg etch.
   B. Solder a BLACK 10" wire in hole.
   C. R569, clean out hole next to LED readout.
   D. Solder a RED 10" wire in hole.

3. Re-route wires to etch side of chassis while replacing the front panel. (Be especially careful with meter and TX/RX LED.)

4. Remove D32 from the main PCB.

5. Clean out the + hole of C197. NOT in chassis - location is to left of VR2 on component side.

6. To immediate left of R185 is a hole with no numbering, clean out. Check with VOM - should be direct short to DC Ground.

7. Put a 1,000MFD/16VDC (minimum voltage) electrolytic from the + hole of where C197 should be, to the hole cleaned out next to R185. DO NOT PUT THE MINUS LEAD OF CAPACITOR WHERE IT IS MARKED ON PCB! Bend over the leads, cut short and solder carefully.

8. Solder the BLACK wire to - lead of capacitor on etch side.

9. Solder the RED wire to + lead of capacitor on etch side.

10. Center the clarifier knob, adjust the following at 20 on channel selector... Read frequency in the TRANSMIT condition on a dummy load.

    AM - adjust L16 for 27.205MHz
    USB - adjust L17 for 27.206MHz
    LSB - adjust L18 for 27.204MHz

11. 'Slide' with present Varactor diode in unit gave ± 2KHz. Replaceing this diode (D30) with a "Super Diode" will give about ± 5KHz.