

SPECIFIC RADIO TUNE-UPS (Cont'd):

LAFAYETTE COMSTATE 525 (42-94302):

RX: RV1; SQ Range  
RV3; S Meter

TX: Peak T3, T4, L7, L11, L12  
RV2; AMC (disable C96)  
RV4; RF Meter

MIDLAND 63-445:

RX: VR1; AGC  
VR3; SQ Range  
VR4; S Meter

TX: Peak L114, L113, L112, L109  
VR5; AMC (disable R274)  
VR2; RF Meter

MIDLAND 77-856:

Change '90 day wonder'

RX: VR1; AGC  
VR2; S Meter adjust  
VR3; Squelch range

TX: Peak - L16, L15, L12  
VR5; AMC - if you can't get up, pull D21 (as a last resort pull C101)  
VR4; RF Meter adjust

MIDLAND 77-861B:

RX: C33; IF gain  
R50; Squelch range  
R18; S meter adjust

TX: Peak - T1, T2, T3, L4  
R57; AMC (defeat C53)  
R13; Low power output adjust (set for 1.5W)  
R17; RF meter (adjust to high power setting)

MIDLAND 7001 (79-007):

RX: RV4; AGC  
RV5; SQ Range  
RV3; S Meter

SPECIFIC RADIO TUNE-UPS (Cont'd):

MIDLAND 7000 (79-007) cont'd:

TX: Peak (on USB) T1, T2, T3, T11, T4, T5, T6, T7, L10, L14, L16  
RV6/RV7; Carrier Balance  
RV1; Final Bias. Suggest changing final to 2SC1307  
RV8; SSB Modulation  
RV10; SSB ALC  
VR1; AM Power  
RV9; AM Modulation  
RV2; RF Power Meter  
RV501; AWI

MOTOROLA CF925AX:

Change final to 2SC1306 and put heatsink on driver if there is room.

RX: VR101; AGC  
VR103; Squelch range  
VR102; S Meter adjust

TX: Peak; L10, L7, L6, L4, L3, L1  
VR2; AMC - Really mic output lever, AMC is non-adjustable.  
Pull R27, 1K resistor and R33, 100 Ohm resistor.

MOTOROLA MOCAT 40:

For all T4000 series, use SAMS 186

NOTE: Extender adjust is on 4005, 4020 only! Highly sensitive  
noise blanker, adjust is R502

RX: R229; Squelch range  
Pull R120 (27 ohm); put 50 ohm variable resistor in  
place and use as S meter adjust.

TX: You either got it or you don't!  
AMC Defeat: Pull VR305 (11.8V zener)  
Pull CR206 - diode  
Pull R306 (56K), put in 100K variable, use as RF meter adjust.

NOTE: This unit has plated through PC board - good luck!

NDI PC-102:

RX: VR201; SQ Range  
VR102; S meter

TX: Peak T401, T402, T403, T501, T502, T503  
VR203; AMC (defeat CR305, and C316 if necessary)  
VR502; RF Meter