FT-100　　　　Mods Page
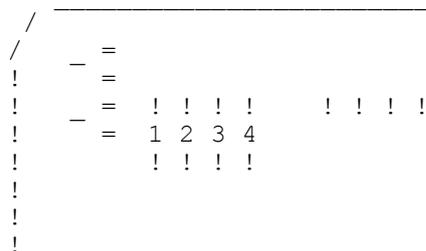
This page is NOT associated with Yaesu in any way.DO NOT make any changes unless you know what you are doing.I assume no responsibility for what you do.

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* * * I assume no responsibility for what you do. * * *

This modification opens up transmit coverage.
Be careful not to transmit outside the Amateur Bands.
RX: 30KHz-824MHz, 849MHz-859MHz, 894MHz-961MHz.
TX: 1.8MHz-30MHz, 50MHz-54MHz, 140MHz-174MHz, 420MHz-470MHz.

1. Remove Front Panel from radio and open the rear cover from the
Front Panel unit.  Be careful, a cable connects them together.

2. Locate and remove R6035 (1) and R6036 (2) on the display board.
Note: The factory removed R6035 on my radio so I only had to
remove R6036.  You should end up like the picture below.

      _____
   /
  /    _ =
 !     _ =
 !   _ =  ! ! ! !    ! ! ! !
 !     =  1 2 3 4
 !        ! ! ! !
 !
 !
 !

Back of front panel.  Top left corner.
Remove jumpers 1 & 2, leave 3 & 4.
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3. Reassemble and install the Front Panel on the radio.

4. Press and hold [DWN] and [STEP] keys; while holding them in,
press and hold in the [PWR] switch for 1/2 second to turn the
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tranceiver On. Now let go of all keys.
The display will read "r on" for a 1/2 second or less (it may be
so quick that you don't see it but continue with the mod).

5. Set the dial frequency to 375.72727MHz and turn the power off.
Note: You may need to use LSB, USB, or CW to get the last digit.

6. Press and hold [DWN] and [STEP] keys; while holding them in,
press and hold in the [PWR] switch for 1/2 second to turn the
tranceiver On. Now let go of all keys.
The display will read "HF on" for a 1/2 second or less (it may be
so quick that you don't see it but continue with the mod).

7. Set the dial frequency to 549.61163MHz and turn the power off.

8. Press and hold [DWN] and [STEP] keys; while holding them in,
press and hold in the [PWR] switch for 1/2 second to turn the
tranceiver On. Now let go of all keys.
The display will read "vU on" for a 1/2 secondor less (it may be
so quick that you don't see it but continue with the mod).

9. The modification is complete. Turn the radio off and back on to
continue.

Their is a second set of menu functions F01 to F59.
WARNING: changing these will reset all the memories.
I want to warn you do not change these values unless you are
sure of what you are doing.

To get them turn transceiver off. Press and hold the A,B,C keys;
while holding them in, press and hold in the [PWR] switch for
1/2 second to turn the tranceiver On. Now let go of all keys.
Then press and hold func key for 1/2 second to get to the
menu and then rotate the select knob to get to a second menu
(F01 to F59) it's after #66 or before #01.
When you turn the rig off and back on it returns to normal menu.

Here is a list of the 59 second menu functions.

Function				Setting in my radio
F01	144	RF	GAIN	166
F02	430	RF	GAIN	166
F03	HF	RX	IF G	098
F04	50	RX	IF G	112
F05	144	RX	IF G	108
F06	430	RX	IF G	082
F07	S	FULL	SCALE	144
F08	SSB	SQL		033
F09	FM	N	SQL	088
F10	FM	RF	SQL	056
F11	HF	IC	ALC	023
F12	V/UHF	IC	ALC	022
F13	HF	PO	10W	026
F14	HF	PO	50W	083
F15	HF	PO	100W	123
F16	50	PO	10W	025
F17	50	PO	20W	045

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F18    50     PO    50W        083
F19    50     PO    100W       123
F20    70     PO    10W        063   <<< 70 MHz
F21    144    PO    20W        065
F22    144    PO    50W        120
F23    430    PO    20W        139
F24    1.8    TX    IF    G    076
F25    3.5    TX    IF    G    069
F26    7      TX    IF    G    063
F27    10     TX    IF    G    063
F28    14     TX    IF    G    067
F29    18     TX    IF    G    071
F30    21     TX    IF    G    072
F31    24     TX    IF    G    072
F32    28     TX    IF    G    075
F33    50     TX    IF    G    104
F34    70     TX    IF    G    127
F35    144    TX    IF    G    097
F36    430    TX    IF    G    093
F37    ALC    METER            196
F38    HF     PO    METER      170
F39    50     PO    METER      172
F40    144    PO    METER      105
F41    430    PO    METER      063
F42    HF     REV   ALC        034
F43    50     REV   ALC        034
F44    70     REV   ALC        127   <<< 70 MHz
F45    144    REV   ALC        173
F46    430    REV   ALC        060
F47    SWR    METER            141
F48    OVER   HEAT  1          230
F49    OVER   HEAT  2          235
F50    CW     CAR   LEVEL      166
F51    AM     CAR   LEVEL      113
F52    FM     TX    FREQ       -32.470
F53    TRX    LSB   CAR        0.110
F54    TRX    USB   CAR        -0.010
F55    blank
F56    blank
F57    DESTINA    HF      USA   < JPN,JAIA,STD,EU,FRAN,BEL,GER,USA,AUS,UT
F58    DESTINA    V/U     USA   < JPN,USA,EU1,EU2,EU3,EU4,AUS
F59    blank
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OOPS!  When I looked at the F57 and F58 choices on my radio and
set them back to USA the radio initialized and I had to reprogram
the memories.  The TX mod was still ok.
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Note: STATIC ELECTRICITY will kill your radio. Work in a STATIC FREE environment.
Note: The surface mount jumpers are soldered and require skill and the proper tools for removal.
Note: Please copy this information and post it. 73 John

Send Email to FT100@onelist.com FT-100 List server <mailto:ft100@onelist.com>

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