WJ-8618A, WJ8618B & WJ-8618B(S1) Configurations 06-03-04

WJ-8618A Receiver Versions

WJ-8618A Status=
Receiver with 20-1100 MHz coverage designed to meet stringent EMI/RFI specifications.

WJ-8618A-1 Status = M 8/14/80
Same as WJ-8618A without signal monitor.

WJ-8618A-3 Status = M 8/14/80
WJ-8618A with blank front panel. This is for remote control and unit must have IEEE-488 or RS-232C option installed.

WJ-8618A-4 Status = M 12/16/82
Same as WJ-8618 with pulse stretching added. SIS/WTE.

WJ-8618B Receiver Versions

WJ-8618B-1 Status = 3/83
Same as WJ-8618B except new software allowing modified scan and special subroutines upon detection of signals. Added front panel upper case functions for “scan down” and complete “scan” activation from 1100 MHz down to 20 MHz.

WJ-8618B-2 Status = 7/83
WJ-8618B modified for use with WJ-9195 DRD unit. “MULTARS” special software. See file for complete details of program.

WJ-8618B-3 Status =
WJ-8618B with blank front panel. This is for remote control and unit must have IEEE-488 or RS-232C option installed.

WJ-8618B-4 Status = 11/83
SSQ-80 receiver spec. keys, mnemonics and software changes.

WJ-8618B-6 Status = 12/8/83
Master/slave LO outputs. Special group delay equalized filters. 50 kHz, 400 kHz, 800 kHz, 2 MHz, 4 MHz. Similar to WJ-8617B-6 but with normal front panel controls.

WJ-8618B-7 Status = 4/84
LSB (J28) and USB (J29) available on the rear panel. Spare fuseholder removed and “WB-IF OUT” installed in that position.

WJ-8618B-8 Status= 5/84
Modified software and 794137-8 extended control subassembly adds seven uppercase functions to front panel pushbuttons (labeled A through G). Frequency display and tuning knob active in scan mode, with frequency display changing only with knob rotation. See files for complete information.

WJ-8618B-9 Status = 7/84
10IF option increases IF bandwidths available to ten. Variable tuning resolution similar to WJ-8615D. See file for further details.

WJ-8618B-10 Status = 10/84
VHF/UHF receiver. Same as WJ-8618B except includes BCD parallel output of tuning frequency and selectable internal or external local oscillator, RS-232.

WJ-8618B-11 Status = 2/85
Same as WJ-8618B except modified to contain master-slave/local (MS/LO) capabilitiy

WJ-8618B-12 Status = 11/1/85

Same as WJ-8618B-10 except has IEEE-488 instead of RS-232 communications. No external LO capability. 10 IF bandwidths, 10 MHz IF bandwidth (4 MHz/8 MHz BW is a special). Note: does not include RTC and RLOG.

WJ-8618B-12 Revs. 1, 2, 3, & 4 1/13/86
Differences not listed.

WJ-8618B-13 Status = 12/10/85
Same as WJ-8618B-12 which has IEEE-488, parallel BCD output, 10 IF bandwidths. Also adds built-in tracking preselector. Supports 10 MHz IF bandwaidth and RLOG.

WJ-8618B-14 Status = 1/86
WJ-8618B changed to include: BCD parallel output of tuning frequency in option slot 6; RLOG in option slot 5; RTC in option slot 1; No external LO; 10 IF bandwidths supported up to 10 MHz IF bandwidth (4 MHz/8 MHz IF BW is special); Known options not supported: RS-232C interface; ASO; NRT; LOGV; BITE.

WJ-8618B-14 Rev 1 2/86
Differences not listed.

WJ-8618B-15 Status = 6/4/86
Same as WJ-8618B except modified for use with WJ-9195 DRD unit and to incorporate software changes per GTE specifications indicated on OA #300987, “High Noon” receiver. Enables receiver to work with WJ-9195 control unit. (See WJ-8168B-2 type number assignment form for details of WJ-9195 DRD modifications). Options supported: M/S, BITE, 488, WBO, FE, SM. (Has been seen with E-Systems tag and a light green front panel).

WJ-8618B-15 Rev. 1 7/86
MS is not a supported option.

WJ-8618B-16 Status = 6/11/86
Similar to WJ-8617B with modified software to bias display frequency with respect to actual tuned frequency. All units have 10 IF bandwidths and buttons. New name plate. Nerate CPL. Also included: (1) 10 IF BWS selectable up to and including 10 MHz; (2) IF BWS supplied are: 10, 20, 50,100, 250, 500 kHz AND 1, 2, 4, and 10 MHz. Consult engineering regarding: algorithm of frequency offset; Options supported; 10IF, RLOG, BITE, VBFO, PKC, DRD, PSM, 488, WBO-2, FE, SSB, SM, NRT, LOGV, HFE. OA

WJ-8618B-16 Rev 1. 6/19/86
Differences not listed.

WJ-8618B(S1) Receiver Versions

WJ-8618B(S1) Status = 4/85
New microprocessor card using 8609. Not backward compatible with old units. (Latest major software updates included).

WJ-8618B-17 Status = 8/4/86
VHF/UHF receiver with modifications for the "Euphoria" program: (1) AGC dump; (2) Allow SRQ after frequency change if signal is present; (3) Decrease AGC attck time; (4) changed FM filter on interface board (AFC/FMO?)(Decreased time constant on FMDC); (5) software change to allow receiver to tune to "zero" frequency. Requested options: BITE, 488, SSB, SM, 10K, 20K, 50K, 300K, FP, AND SCS.

WJ-8618B-18 Status = 11/86
Same as current WJ-8618B(S1) except modified to control WJ-9075 1-4.5 GHz frequency extender. With WJ-9075 enabled, tuning above 1000 MHz is accomplished through the use of extender as down converter for signals in the 1 - 4.5 Ghz range. With extender disabled, receiver will functions as standard WJ-8618B(S1). Options supported: TUN, M/S, 10IF, RLOG, BITE, VBFO, PKC, DRD, PSM, 488, WBO, FE, SSB, SM, DFC, IFBW, HFE, LFE, RTC,10MHZ. Options excluded: VLF, NRT, PRE, TPC. Consult engineering for information on LOGV, 232, ASO.

WJ-8618B-18 Rev 1. 3/88
Indicates TUN is now standard.

WJ-8618B-19 Status = 7/87
WJ-8618B receiver modified to operate with WJ-9073-2 tracking preselector. Installation of serial interface in option slot 5 or 6 precludes the use of certain options depending upon which option slot is used. Consult engineering on the use of the following options: RLOG, DAV, ASO. Options supported: TUN, 10IF, BITE, VBFO, PKC, DRD, PSM, 488, 232, WBO, FE, ISB, SSB, SM, DFC, IFBW, LOGV, RTC, 10MHz, TPC, SCS, and FP. Consult engineering on M/S, RLOG, ASO, HFE, LFE, DAV.

WJ-8618B-20 Status = 10/88
Same as WJ-8618B(S1) except digital motherboard is wired to support the NRT option. Digital motherboard type number is 798039-13, schematic number is 580515. Note: the DAV option will not work in this receiver. OA #302500/BEAM.