

**Ling Temco Vought (LTV) and E-Systems  
Equipment Directory - 07/30/07**

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This is an ongoing project. I'm always looking for more information.

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**Receivers:**

Model	Coverage	Bandwidths	Notes
G133F	0.2-30 MHz		AM/CW/USB/LSB, repackaged Collins 51S-1 includes LF convertor and other unique features
G166C	250-1000 MHz	40 (or 75) and 300 kHz	round dials, nuvistors, 7077s, 7486 and solid-state, AM/FM/CW squelch, Carrier Operated Relay, backlit plexiglass front panel, 3-1/2" high, 1/2" shy of std rack width (special ears), based on CEI 701/2 series
G166D	250-1000 MHz		older than G166C or G166H, based on Nems-Clarke receiver (2801?)
G166H	250-1000 MHz	40 (or 75) and 300 kHz	difference from G166C unknown
G175	30-260 MHz	20/40(or 75) and 300 kHz	round dials, two bands 30-60 & 60-260 MHz, AM/FM, COR, low radiation design, 4.64" high, 32 lbs, see G175H for other information that may apply
G175A	30-260 MHz	20/40(or 75) and 300 kHz	repackaged G175A with built-in SDU, 10" high, 56 lbs.
G175B	30-260 MHz	10/40 (or 75) and 300 kHz	round dials, two bands 30-90 & 60-260 MHz, AM/FM, COR, 3-1/2" high, 24 lbs, probably based on CEI
G175B(1)	30-260 MHz	10/40 (or 75) and 300 kHz	same as G175B but adds CW and +/- 15kHz BFO control
G175C	30-260 MHz	10/40 (or 75) kHz and 3 MHz	round dials, nuvistors, 7077s, and solid-state, AM/FM/CW, squelch, COR, backlit plexiglass front panel, 3-1/2"

high, 1/2" shy of standard  
rack width (special ears),  
based on CEI 90x series

G175C(1) 30-260 MHz

same as G175C but adds CW and  
+/- 15 kHz BFO control, based  
on CEI 90x series

G175D 30-260 MHz

same as G175 but adds antenna  
switching

G175D(1) 30-260 MHz

same as G175D but adds temp  
rating to 131 degrees F

G175F 30-260 MHz 10/40 (or 75),  
300 kHz & 4 MHz

otherwise identical to G175C

G175H 30-260 MHz 20/40/300 kHz

similar to G175 but adds CW and  
+/- 12 kHz BFO pitch control  
based on Nems-Clarke 1302, 416B  
/6280 front end, reportedly from  
U-2 and YF-12-A spy planes. See  
Feb 1972 CQ magazine p 79.

G175J plug-ins 10/40/100 kHz  
and 3 MHz

uses tuners for 10-30MHz,  
30-90 MHz, 60-260 MHz, 235-500  
MHz, 495-1000 MHz, 2.0-2.2 GHz,  
film-strip dials, built-in SDU  
crystal filters, nuvistor and  
solid-state

G175K drop-ins 10/40/300 kHz  
and 3 MHz

uses tuners for 10-30MHz,  
30-90 MHz, 60-260 MHz, 235-500  
MHz, 495-1000 MHz, 1.0-2.0 GHz,  
2.0-4.0 GHz, or 2.0-2.2 GHz,  
AM/FM/CW/pulse, COR, film-  
strip dials, built-in SDU,  
(4 MHz SDU), crystal filters,  
21.4 MHz IF, nuvistor and  
solid-state, rack width  
(special ears), built by CEI

G175K-1

as above with 21.4 & 60 MHz IF

G175K-2

as above with 160 MHz IF

G187E 55-255 MHz

dual tuner VHF receiver  
for DF, AM/FM, COR, LO out,  
nuvistors, 6280

G188 220-550 MHz 200 kHz

dual tuner UHF receiver  
for DF (one knob/dial for  
both tuners), AM/FM, COR, LO  
out, nuvistors, 7077s, back-  
lit plexiglass front panel

w/ tactile knobs, 3-1/2" high  
1/2" shy of standard rack  
width (special ears)

G188D

as above except w/  
selectable 40 kHz bandwidth

G188E

as above, internal changes

G276E 5-420 MHz

six band "demod unit", AM/  
LSB/USB, 0, 1/3/10 kHz BW,  
aircraft panel mount approx.  
6.5" x 6.5"

### Spectrum Display Units (SDUs):

Model	IF	Bandwidths	Notes
G186A	21.4 MHz		half rack width, nuvistors & 3XP1 5-3/8" high
G186B	500 kHz		half rack width, 5-3/8" high

### Accessories:

Model	Description
G189-36	digital frequency display unit
G189-102	digital frequency display unit, 6 digit Nixie, all discrete transistor, adjustable IF offset, no power supply 4-1/2"h x 5-3/4"w x 14"d, part of larger system
G526-1	digital frequency display unit, 6 digit Nixie, solid state 21.4 MHz and 60 MHz offset, half rack width, 3-1/2" high
G917-1	demodulator 0-1600 kHz, AM/FM/CW/USB/LSB, bandwidths of 150Hz/1/5/7/8/16 kHz for AM/FM and 2.5/3.5/4/8 kHz for USB/LSB, BFO @ 1kHz or variable +/- 8 kHz, LED counter with DAFC, spectrum translation out put at 10/50 or 100 kHz for pre- detection recording, very similar to WJ DMS-105 except for LED readout, slightly less than rack width with aircraft mount, 5-1/4" high

Edited by Terry O'Laughlin, WB9GVB

Additions, corrections, suggestions to:

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