

STALKER 9 DX & FDX

RECEIVER ALIGNMENT

1. Test Equipment Required

- a) Oscilloscope (100 MHz).
- b) DC Power Supply (13.8v, 3 Amps).
- c) RF Signal Generator AM/FM (0.3uV)
- d) AF Voltmeter (VTVM).
- e) 8 Ohm Dummy Load.

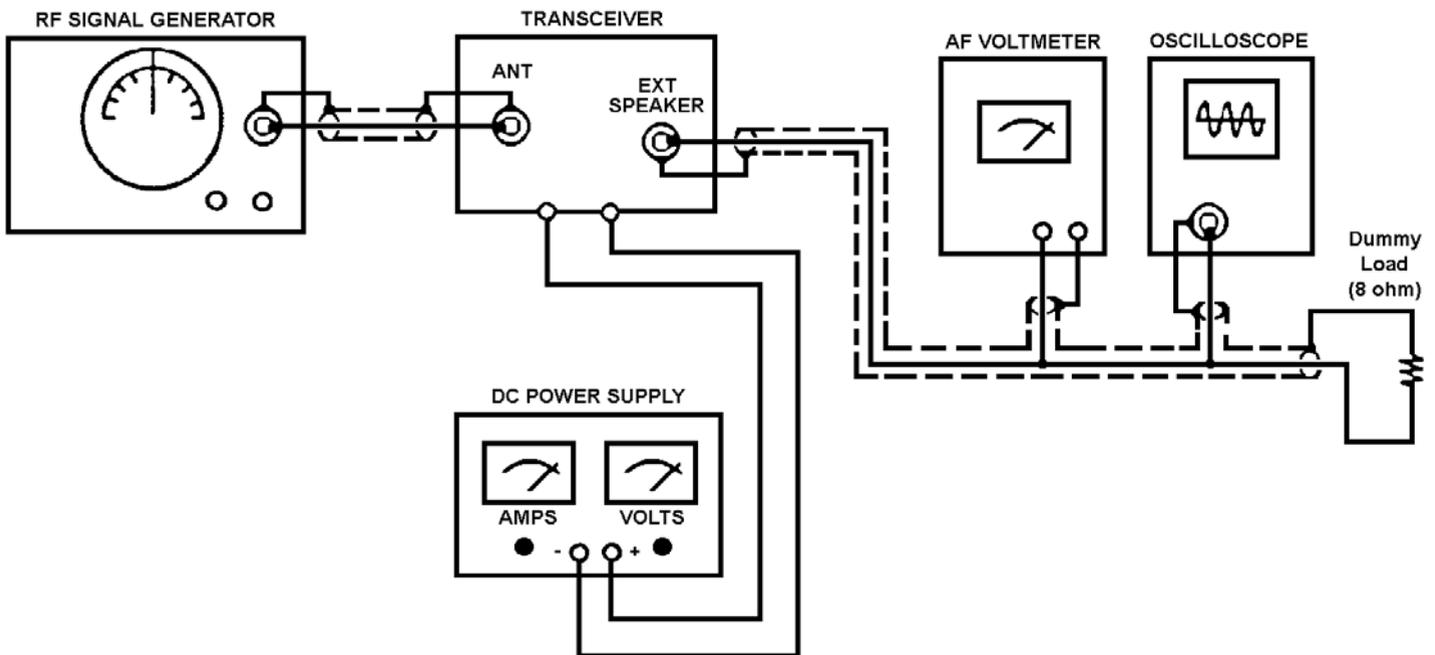
2. Alignment Procedure:

Connect the AF VTVM and the 8 Ohm Dummy Load to the EXT Speaker during the Receiver alignment.

STEP	PRESET TO	ADJUSTMENT	REMARKS
1	Channel :40 Band : LOW Mode : AM Squelch: OFF NB/ANL: OFF Volume: MAX RF Gain: MAX		Set the RF Signal Generator to 27.405 MHz with 30% modulation at 1 KHz.
2	Same as above	L7	Turn the core of L7 to fully CW.
3	Same as above	L6, L8, L10, L11, L12, L13 and L14	Adjust coils to obtain maximum on the AF VTVM, while keep the reading on the AF VTVM under 500mW by adjusting the RF Signal Generator.
4	Same as above	L7	Adjust L7 to obtain the maximum on the AF VTVM, while keep the reading on the AF VTVM under 500mW by adjusting the RF Signal Generator.
5	Same as above Except NB/ANL: ON	L1 and L2	Connect the Oscilloscope to TP1. Set RF Signal Generator to No modulation ATT: 20dB. Adjust L1 and L2 to obtain the maximum DC voltage on the Oscilloscope.
6	Same as above Except Squelch: MAX	VR2	Set the RF Signal Generator to 27.405 MHz with 30% modulation at 1 KHz. Adjust VR2 to turn off the squelch when RF Signal Generator is increased to 1000uV.

STEP	PRESET TO	ADJUSTMENT	REMARKS
7	Same as above	VR3	Set the RF Signal Generator to 27.405 MHz with no modulation 100uv. Adjust VR1 for "S-9" on the built-in S/RF Meter.
8	Same as above Except Mode: FM	L3 and L4	Set the RF Signal Generator to 27.405 MHz with no modulation 5uv. Connect the Oscilloscope to TP10 (lead of R279). Adjust L3 and L4 to obtain the maximum indication on the Oscilloscope
9	Same as above	L5	Set the RF Signal Generator to 27.405 MHz FM 1 KHz 1.5 KHz Deviation 1mV. Adjust L5 to obtain the maximum indication on the Oscilloscope.

3. Test Equipment Connection



Rick Jackson (Euro Radio Co).