

## The radio and harness installation in Ferret Mk 2/3 01 DC 86

This Mk 2/3 vehicle was fitted with two VRC 353 VHF sets when I purchased it. At the time it was fitted with a basic non-ANR [vehicle harness](#) with green ([ANR](#)) pressel PTT switches and black-fronted non-ANR junction boxes.



Richard, a friend with extensive radio experience, a fellow armour owner afflicted with the incurable 'green disease', advised me to fit ANR junction boxes. [Auto noise reduction](#) attenuates low frequencies, improving the signal-to-noise ratio of sound heard in the earpieces. This results in much clearer speech. In this photo you can see (from left to right) one of the two 353 VHF sets. Behind that is the TUAAM (Tuning unit automatic antenna matching) box and above that the Initiate Box BCC-425 for use with the PRC-351/352 man-pack radio set when installed in a vehicle.

To the right side of the 353 VHF set can be seen the black 90 amp generator panel, and above that the fused green 10 amp electrical distribution box. Tucked away to the side of the radio tray at the lower right hand corner of the 353 radio is the 28 volt vehicle-mounted DCCU battery charger for the 351/352 radio. To the upper left of the initiate box is the yellow-faced (ANR) Commander's box fixed as used with the Commander's personal unit (not shown). I now find it easier to plug the top-commander's headset into the ANR crew box 2 junction box seen in the mid foreground of the illustration. Immediately to the right of the headset is the ANR IB-2 (Interconnecting box 2-radio). This is a control, junction box and power distribution unit for the harness. The grey box immediately below the IB-2 is the defunct smoke grenade discharger. Below that is a black-faced four-way fused 7 amp electrical distribution box.

Underneath the distribution box is the black-faced Amplifier AF loudspeaker box, a 4 Watt audio amplifier driving the internal (not shown) and external loudspeakers which have been fitted as non-standard harness items. This loudspeaker amplifier box has been modified so that the external feed picks up sound from an i-phone jack. This mod, together with the little i-phone jack box on top of the loudspeaker amplifier was made for me by my electronics friend Clive. To the right of the loudspeaker amplifier box is a black-faced set combining box used in reverse as a junction box to split the amplified signal between internal and external loudspeakers. Above this is the final junction box in the vehicle harness, the yellow-faced ANR Crew Box 2, feeding the two headsets.