Calibration Proceedure: VP-1.

1. Line Gain.

1.1 Conditions: Select Line Input, 1KHz @ 0dBu,
Trim @ 0dB,
Output Level @ +15dB,
All processing Off.
Output from balanced XLR.

1.2 Setup: Output Balance (RV1/PC174),
+15dBu output (RV3/PC172G).

1.3 Conditions: Set Output Level to 0dB.

1.4 Setup: 0dBu output (RV2/PC172G).

2. Limiter.

2.1 Conditions: Increase input level to +22dBu,
Set Limiter Threshold to +20,
Switch Limiter On.

2.2 Setup: Output to +20dBu (RV4/PC172G).

2.3 Conditions: Set Limiter Threshold to 0.

2.4 Setup: Output to 0dBu (RV1/PC172G).

2.5 Check: Green Limiter On LED,
Red Limiter Active LED.

2.6 Conditions: Set input back to 0dBu.
Switch Limiter Off.

3. EQ.

3.1 Conditions: LM and HM "Q" fully cw,
LM and HM Frequencies centered,
LF Freq to 120Hz,
HF Freq to 8KHz,
All bands Cut/Boost to 0dB (centre detent),
EQ On.

3.2 Setup:	EQ Gain (RV2/PC174) for 0dBu output.
3.3 Conditions:	Switch EQ Off.

4. Compressor.

4.1 Conditions:	Increase input signal to +4dBu. Select "Output" to Meter.
4.2 Setup:	Meter to 0VU (RV5, PC174).
4.3 Conditions:	Ratio, Attack, Release centered, Threshold = +20, GMU = 0dB, Hard Knee, Hold and Opto Off.
4.4 Setup:	RV2/PC172D for offset @ TP1 on PC172D to -400mV.
4.5 Conditions:	Switch Compressor On. Select Gain Red'n to meter.
4.6 Setup:	Compressor Gain (RV8/PC174) for +4dBu output, Set Meter 0dB reduction (RV3/PC174).
4.6 Conditions:	Set input level to -20dBu, Threshold = -20.
4.7 Setup:	Threshold (RV3/PC172D) for output = -20.3dBu.
4.8 Conditions:	Set input level to +4dBu, Adjust Threshold and/or Ratio controls for -2dBu output.
4.9 Setup:	Set Meter -6dB reduction (RV4/PC174).
4.10 Conditions:	Select Opto mode, Re-adjust Threshold and/or Ratio controls for -2dBu output.
4.11 Setup:	Opto G/R (RV1/PC172D) for meter reading -6dB.
4.12 Conditions:	Compressor Off.

5. De-Esser.

5.1 Conditions: Depth and Bandwidth fully cw,
Frequency fully ccw,
Switch De-Esser On,
Input 1KHz @ +10dBu.

5.2 Setup: Detector match (RV1/PC172C), for TP1/PC172C of equal
magnitude but opposite polarity to TP2/PC172C (approx 100mV).

5.3 Conditions: Input to 0dBu,
Depth and Bandwidth fully ccw,
Frequency fully cw,

5.4 Setup: De-Esser gain (RV2/PC172C) for 0dBu output.

5.5 Conditions: Switch De-Esser Off.

6. Gate:

6.1 Conditions: Threshold = -40,
Switch Gate On.

6.2 Setup: Gate 0dB (RV1/PC172B) for 0dBu output.

6.3 Conditions: Set "Max" (RV9/PC172B) fully cw,
Threshold = 0.

6.4 Setup: Adjust RV9 slowly ccw until gate just opens.

6.5 Check: Gate On LED and Gain reduction bargraph,
Output < -80dBu.

6.6 Conditions: Reduce input signal to -40dBu,
Threshold = -40,
Set "Min"(RV8/PC172B) fully cw.

6.7 Check: Gate has re-closed.

6.8 Setup: Adjust RV8 slowly ccw until gate just opens.

6.9 Conditions: Return input signal to 0dBu.

6.10 Check: Gate has re-closed.

6.11 Conditions: Switch Gate Off.