

624 BLD – On-board Loop Parameters

When using the on-board loop detectors the loop should be constructed as specified in the product manual.

When testing the suitability of an existing loop the following performance parameters should be observed:

Loop Inductance: min 40 μ H, max 700 μ H

Frequency Range: 36 to 120KHz

Response Sensitivity: 0.02% to 0.54% Change in Inductance (note a typical saloon presents a signal strength in the order of 3% Δ L/L).

For easy reference these are compared to the values for the Pro-Loop detector in the table below.

	624BLD Loops	Pro-Loop
Loop Inductance	40 to 700 μ H	10 to 1000 μ H (ideal 80 to 300 μ H).
Frequency Range	36 to 120 KHz	20 to 100 KHz
Response Sensitivity	0.02 to 0.54% (Δ L/L)	0.02 to 8% (Δ L/L)