

EVC WinOLS 5 Diesel Tuning Modules



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WinOLS 5 Diesel Tuning Modules – Common map sizes and names

The information in this document contains the listings of the commonly found map types and their typical map sizes that you may come across when tuning a diesel vehicle – this is designed to support your learning and understanding of this lesson.

Overview

Whilst there are many other combinations of map table, the information in this document provides the details of the commonly required maps for tuning and their potential table sizes.

Always remember to use the additional tools at your disposal to help recognise the map and its function in the ECU file.

Checking the 3-D and 2-D views to confirm the size and shape of the map, along with the pattern of the data.

The size of the map will help you to understand if it is a map type you are looking for and of course, the physical values in the tables will help to further verify if you have located the correct map.

Fuel Injection Timing (Duration) / Injector Pulse Width

40x32	40x30	40x17	40x16
29x17	29x16	24x18	24x16
20x20	20x17	20x16	20x15
16x16			

Boost Pressure / Turbo Pressure / Target Boost Pressure / Turbo Pressure Control

16x20	16x16	16x15
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Boost Pressure Limiter / Max Boost Pressure / Turbo Pressure Limiter

12x10	12x8	10x10	7x14	7x13
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Rail Pressure

16x20	16x16	16x15
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Rail Pressure Limiter

12x10	12x8	8x8
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Start of Injection Angle (SOI) / Phase of Injection

19x16	19x15	16x16	16x15	10x14
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Fuel Quantity Injection / Injection Quantity / NM Conversion Table

18x16	16x16	16x15
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Drivers Wish / Driver demanded Torque / Fuel during acceleration / Torque request

These are often found in one of many combinations as shown below

6 / 8 / 10 / 13 / 14 / 16	X	8 / 10 / 13 / 14 / 16
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Torque Limiters

24x8	24x8	24x4
25x4	25x3	24x4
24x3	20x8	8x31
3x24	3x20	1x29
1x25	1x24	1x21
1x20	1x19	

EGR Control / EGR duty cycle

16x16	16x15	14x14
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Smoke Limiter / Lower lambda For Smoke Limitation / Fuel Quantity Limiter

16x16	16x14	16x13
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Lambda

16x16	16x15	16x13
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Torque request during cranking / fuel request during cranking / Starting maps

9x10	9x9	8x9	8x8
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