

Trade Show

2016 Automechanika Frankfurt

EXHIBITION DATES : SEPTEMBER 13 - SEPTEMBER 17, 2016 Messe Frankfurt GmbH Fair Ground, Germany Booth Number: Coming Soon

We look forward to greeting you there!



Latest Versions (May, 2016)

2016-05-16		
MB	V2016.04/V2015.12SP1	USEN/TWCH/JPJP
MB Coding	V2016.04/V2015.12SP1	USEN/TWCH/JPJP
IMS2-MB-2(C4)	V1.01	USEN/TWCH
LANDROVER	V2016.04/V2015.12SP2	USEN/TWCH
2016-05-06		
IMS2-VASS-2(ODIS)	V1.00 SP1	USEN/TWCH
2016-05-04		
PORSCHE Programming	V2016.03	USEN/TWCH/JPJP
2016-05-03		
TOYOTA/LEXUS	V2016.04/V2015.12SP1/V2014.12SP4	USEN/TWCH/JPJP
MITSUBISHI	V2016.03/V2015.12SP1/V2014.12SP2	USEN/TWCH/JPJP
NISSAN GT-R	V2016.04 USEN/TWCH/JPJP/MXSP	USEN/TWCH/JPJP/MXSP
IMS2-VASS-2(ODIS)	V1.00	USEN/TWCH
2016-04-27		
VeDiS-II Supercar PKG YUP 2016		EN
iSCAN-II wt Supercar PKG YUP 2016		EN
iSCAN-II wt Programming PKG YUP 2016		TWCH
2016-04-21		
IMS2-MB-2(C4)	V1.00	USEN/TWCH
2016-04-13		
FORD	V2016.02	USEN/TWCH/MXSP/JPJP
FORD	V2014.12SP2/V2015.12	USEN/TWCH/MXSP
MAZDA OBDII	V2016.02	USEN/TWCH/JPJP
MAZDA OBDII	V2014.12SP2/V2015.12	USEN/TWCH
FIAT	V2014.12SP2/V2015.12/V2016.03	USEN/TWCH/JPJP
2016-04-06		
BMW Coding2	V2014.12SP1/V2015.12/V2016.03	USEN/TWCH
FORD Programming	V2015.12SP1/V2016.03	USEN/TWCH
SMART	V2016.03	USEN/TWCH/JPJP
PROTON	V2015.12 / V2013.12SP6	USEN/TWCH
FUSO	V2014.12SP1	USEN/TWCH
TOYOTA/LEXUS	V2014.12SP3/V2015.12/V2016.03	USEN/TWCH/JPJP
BMW Diag E Series	V2014.12SP2/V2015.12/V2016.03	USEN/TWCH/JPJP/KRKR
2016-03-29		
FERRARI	V2015.12	USEN/TWCH/JPJP
2016-03-21		
LANDROVER	V2015.12 SP1	USEN/TWCH/JPJP
GM	V2016.01	USEN/TWCH/JPJP
HYUNDAI	V2016.03/V2015.12	USEN/TWCH/JPJP
HYUNDAI	V2014.12	USEN/TWCH

Yearly Update Project (YUP) Software

Software release monthly for: iScanIIwt /VeDiSII EURO PRO YUP 2016 iScanIIwt /VeDiSII ASIAN PRO YUP 2016

Technical Guidance

BMW Injector Adjustment Function

1. Introduction:

When the injectors are manufactured, a multitude of measurement data is recorded at specific points in the factory. Information on the lift performance of the injector is also added for injector voltage adjustment. Injector adjustment is required because of the individual voltage demand of each piezo actuator. An allocation is made to a voltage demand category, which is included in the number combination on the injector.

These data items are transmitted to the ECM. During engine operation, these values are used to compensate for deviations in the metering and switching performance.

2. Available engine type for Injector Adjustment :

Petrol Engine: N20,N53,N54,N55 Diesel Engine: N43,M47,M57,N47,N57

- 3. When to perform Injector Adjustment:
 - (1). The DME ecu is replaced
 - (2). Any fuel injectors are replaced

4. Example of tolerance range number:

Tolerance range numbers of N54 Engine, the tolerance ranges for injector-quantity adjustment are determined and specified in two three-digit number combination.



Tolerance range numbers of N55 Engine, the tolerance ranges for injector-quantity adjustment are determined and specified in a three-digit number combination.



Tolerance range numbers of N47/N57 Engine, the tolerance ranges for injector-quantity adjustment are determined and specified in a seven-digit number combination.





How to perform this function utilizing iScan-Ilwt / VeDiS-II:

For example 1: BMW E92 N54 Engine

1. Select Vehicle Diagnostic \rightarrow EUROPEAN





2. Select BMW PKG \rightarrow BMW DIAG



3. Select BMW E Series





4. Select 77 Equipment Function Setup -> Drive



5. Select Injector rate adjustment \rightarrow E90/E91/E92/E93





6. Select Automatic select engine type \rightarrow N54



7. Select No due to we only replaced injector for this test

Selection	Message!!
Was a new DME installed ?	Attention:
1 Yes	Due to conversions performed in the contro
2 No	unit, the last place of each value may deviat slightly from the injector value !
	<pre>!!! This deviation is not an error !!!</pre>



8. Read calibration values from each cylinder and select 1 Enter new calibration values to input new values

Values:Injector volume calibration:Cylinder 1:584 261Cylinder 2:579 225Cylinder 3:590 233Cylinder 4:583 216Cylinder 5:584 231Cylinder 6:577 195Press ENTER to continue	currently store	d calibration	Selection
Cylinder 1:584 261Cylinder 2:579 225Cylinder 3:590 233Cylinder 4:583 216Cylinder 5:584 231Cylinder 6:577 195Press ENTER to continue	values:		Injector volume calibration:
Cylinder 2: 579 225 Cylinder 3: 590 233 Cylinder 4: 583 216 Cylinder 5: 584 231 Cylinder 6: 577 195 Press ENTER to continue	Cylinder 1:	584 261	1 Enter new calibration values
Cylinder 3: 590 233 Cylinder 4: 583 216 Cylinder 5: 584 231 Cylinder 6: 577 195 Press ENTER to continue	Cylinder 2:	579 225	2 End
Cylinder 4: 583 216 Cylinder 5: 584 231 Cylinder 6: 577 195 Press ENTER to continue	Cylinder 3:	590 233	
Cylinder 5: 584 231 Cylinder 6: 577 195 Press ENTER to continue	Cylinder 4:	583 216	
Cylinder 6: 577 195 Press ENTER to continue	Cylinder 5:	584 231	
Press ENTER to continue	Cylinder 6:	577 195	
	Press ENTER to co	ntinue	

9. Select Cylinder 6 and Enter new calibration value

Injectors		
For what cylinder is a new value to be	570232	
entered ?	[0~9] to choose 0 to 9	
1 Cylinder1	[↑↓] to choose A to Z	
2 Cylinder2	[\leftarrow \rightarrow] to move the cursor	
3 Cylinder3	[ENTER] to perform	
4 Cylinder4	[EXIT] to exit	
5 Cylinder5		
6 Cylinder6		
99 Exit		
DIPP JE	AND	ALPE JEAN

10. Press ENTER to save new values.

Turn ignition off and wait 10 sec, then turn ignition on.



11. The calibration values are saved permanently.

Message!!		Message!!	
The calibration values are saved		Currently stored calibration	n values:
permanently.		Cylinder1:	584 261
Press ENTER to continue		Cylinder2:	579 225
		Cylinder3:	590 233
		Cylinder4:	583 216
		Cylinder5:	584 231
		Cylinder6:	570 232
		Press ENTER to continue	
	ชนาวารหาร.		*****

For example 2: BMW F10 N57 Engine

1. Select Vehicle Diagnostic \rightarrow EUROPEAN



2. Select BMW PKG \rightarrow BMW DIAG



3. Select BMW F Series



4. Select 3 Equipment Function Setup -> Drive



5. Select Injector rate adjustment \rightarrow F10/F11





6. Select N57 \rightarrow 6 cylinders



7. Read calibration values from each cylinder and select 1 Enter new calibration values to input new values

Injectors	
Currently stored ca	libration values:
Cylinder1:	CYIFSGF
Cylinder2:	BI878WF
Cylinder3:	AABWASG
Cylinder4:	CA1YD1F



8. Select Cylinder 1 and Enter new calibration value (7-digit number)

Selection	Selection	
For what cylinder is a new value to be	CTIIFSF	
entered ?	[0~9] to choose 0 to 9	
1 Cylinder1	[↑↓] to choose A to Z	
2 Cylinder2	[←→] to move the cursor	
3 Cylinder3	[ENTER] to perform	
4 Cylinder4	[EXIT] to exit	
5 Cylinder5		
6 Cylinder6		
99 Exit		

9. Press ENTER to save new values

Turn ignition off and wait 10 sec, then turn ignition on.

nder1: CTIIFSF	Switch off terminal 15 and terminal F
	Wait 10 seconds.
s ENTER to Save new calibration values	Switch on terminal 15 (ignition).
ss EXIT to break	Press ENTER to continue



10. The calibration values are saved permanently.



No.182, Dadun S Rd., Nantun District, Taichung Taiwan 408 Tel:886-4-24725191 Fax:886-4-24721881 Copyright © 2016. AUTOLAND SCIENTECH CO,. LTD All rights reserved.