

USER MANUAL



Nr. ???

Rev 2.1

Date: 01/09/2017

Name:	KIA/HYUNDAI 2015 DENSO (MB91F06XXS) Programming procedure
Device:	DiagProg4
Date:	21.09.2017

HYUNDAI and KIA 2015 Programming procedure

Programming procedure for KIA and HYUNDAI manufactured after year 2015 consists of three stages during which DiagProg4 communicates with odometer. Unfortunately depending on the vehicle equipment some modules might disable communication during programming procedure causing termination of the whole procedure. In such case odometer will remain in boot mode and won't work. If any module has disabled communication between DP4 and odometer, it is required to restore backup file from SD card and start programming procedure using following option: **UDS COMMUNICATION CONTROL -> OFF**

TOOLS -> UDS COMMUNICATION CONTROL -> OFF

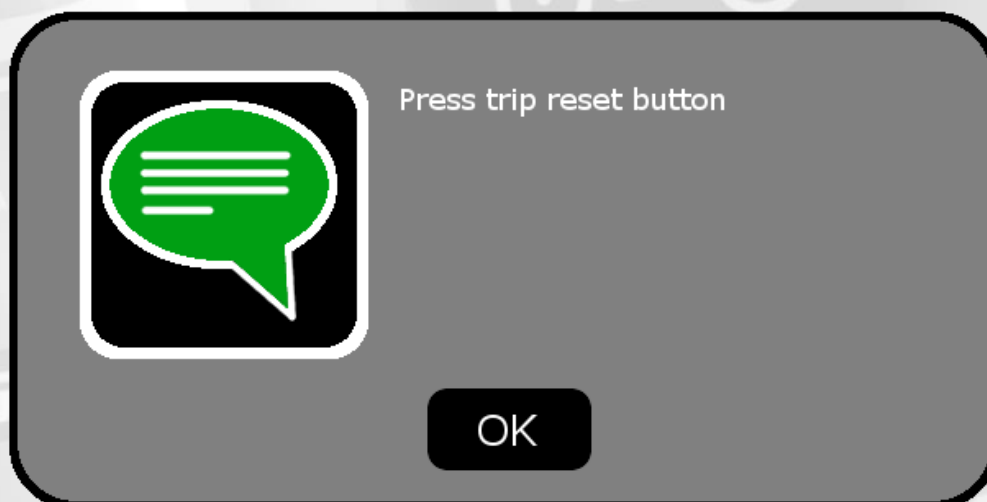
CAN TERMINATION CONTROL	
UDS COMMUNICATION CONTROL	
DOWNLOAD UPDATE/ACTIVATION	
EEPROM PROGRAMMER	
EXTERNAL UNIT POWER	
HEXEDITOR	
MICROCONTROLLER PROGRAMMER	
RESTART DIAGPROG4	
UNIT CALCULATOR	
RESTART DIAGPROG4	

This option disables communication between modules and programming procedure can proceed correctly (UDS COMMUNICATION CONTROL option has already been explained in a different manual).



In the first stage of programming procedure DiagProg4 reads odometer value and saves backup copy.

In the second stage of programming procedure please follow instructions displayed on DP4 screen. If DP4 shows following message: „Press TRIP reset button” it is required to reset all TRIPs in a vehicle. Accepting „OK” button can be done only after resetting all TRIPs.



During this operation DP4 will write new km value and it will initiate correct transition to the third stage of programming procedure.

In the third stage of programming procedure DiagProg4 will restore a backup file. This stage must be completed successfully, do not disconnect power during its duration otherwise it will be necessary to restore backup file from SD card.

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Exemplary problems, effects and solutions.

Lp.	Problems	Effects of incorrect programming	Solution:
1	In the 1 stage of programming procedure some module in a vehicle might disable communication between DP4 and odometer	DP4 displays error message: „CAN_TIMEOUT_FF”	Use function „UDS Communication Control” and start programming procedure again
2	In the 2 stage of programming procedure some module in a vehicle might disable communication between DP4 and odometer	DP4 displays error message: „CAN_TIMEOUT_FF”, odometer may remain in boot mode	Use function „UDS Communication Control” ,restore backup file and start programming procedure again
3	DiagProg4 indicates to reset all TRIPs but user skips this step and proceeds further.	Programming procedure is completed, but new km value is not be programmed.	Start programming procedure again following steps displayed on DP4 screen
4	DiagProg4 indicates to reset all TRIPs and user resets all TRIPs but interrupts programming and skips third step	New km value appears on the odometer display but odometer will not work properly (it will not count mileage)	Restore backup file
5	User skips third step of programming procedure (odometer remains in programming mode „boot mode”)	Odometer stops working and won't switch on. Odometer remains in programming mode „boot mode”.	Restore backup file

If manual does not solve your problem, please contact technical support via support form on our website <https://diagprog4.com/support.php>

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