



IMPORTANT FITTING INFORMATION

Part number :- SGA1214L, SGA1244L

THIS STEERING RACK IS DELIVERED WITH A "DEFAULT" SET OF CODING PARAMETERS.

DEPENDING UPON THE VEHICLE MODEL AND SPECIFICATION IT MAYBE NECESSARY TO CHANGE SOME SETTINGS.

NOTE THE CODING FROM THE ORIGINAL RACK BEFORE DISCONNECTING AND COPY IT INTO THE NEW STEERING RACK.

IF A LOGIN CODE IS REQUESTED USE THE CODE **40168**

INCORRECT SETTING CAN RESULT IN FAULT CODES BEING RAISED AND PREVENT ADAPTATION .

AFTER CODING CLEAR THE FAULT MEMORY AND PROCEED TO PERFORM THE "ADAPTATION"

*** NOTE ***

IF THE CODING OPTION "STEERING ANGLE SENSOR" IS SET TO "0-INTERNAL SAS ACTIVE" THE STEERING ANGLE SENSOR (G85) IS A SEPARATE COMPONENT TO THE RACK AND PINION AND IS LOCATED IN THE UPPER PORTION OF THE STEERING COLUMN. IN THE EVENT A STEERING ANGLE RELATED FAULT IS PRESENT THE CORRECT FUNCTION, ADAPTATION & CALIBRATION OF THIS COMPONENT MUST BE DIAGNOSED.

*** NOTE ***

THIS IS A **GEN3** COMPONENT. IF A GEN3 RACK WAS FITTED AT THE FACTORY, THE BASIC SETTING HAS TO BE PERFORMED VIA THE "POWER STEERING" MODULE (#44) IF RETRO FITTING TO A CAR THAT WAS ORIGINALLY FITTED WITH A GEN2 RACK FROM THE FACTORY, THE BASIC SETTING HAS TO BE PERFORMED VIA THE "BRAKE ELECTRONICS" MODULE (#03) LOOKING IN THE WRONG MODULE ON A DIAGNOSTIC COMPUTER CAN MAKE IT APPEAR AS THOUGH THE RACK IS NOT COMMUNICATING.

THIS TABLE SUMMARISES THE CODING PARAMETERS AND REFLECTS THE DEFAULT CODING.

CODING CHANNEL	CHANNEL DEFINITION / NAME	FACTORY DEFAULT PARAMETER	PARAMETER OPTIONS / NOTES	DESCRIPTION / NOTES
2	MIL LAMP INDICATOR	0	0 = 2 COLOUR LAMP 1 = SINGLE COLOUR LAMP.	THE 2 COLOUR LAMP WILL HELP DIAGNOSE STEERING ANGLE SENSOR ISSUES AND IS RECOMMENDED. RED AND YELLOW INDICATION LAMPS WILL SHOW. ONLY A YELLOW LAMP WILL SHOW.
3	DRIVER STEERING RECOMMENDATION	1	0 = DRIVER RECOMMENDATION ACTIVE (ESP MK60/MK60-AT/TRW 440) 1 = DRIVER STEERING RECOMMENDATION INACTIVE (ASR MK70 & ESP MK60E1) 2 = DRIVER STEERING RECOMMENDATION ACTIVE (ESP MK60ECI & MK60 AWD/4X4)	TO IDENTIFY ESP VERSION READ IT FROM THE ABS MODULE INFORMATION.
4	PARK ASSIST (PLA)	2	0 = PARK STEER ASSIST INSTALED BEFORE 2009 (PR-7X5/7X6) 1 = PARK STEER ASSIST INSTALLED AFTER 2010 (PR-7X5/7X6) 2 = PARK STEER ASSIST NOT INSTALLED (PR-7X0/7X1/7X2)	ENABLING THIS FEATURE IN A VEHICLE WITHOUT THE OPTION FROM THE FACTORY MAY RESULT IN A FAULT.
5	TORQUE STEER COMPENSATION (TS)	0	0 = OFF 1 = ON	THIS IS THE STANDARD SETTING FOR ALL EUROPEAN MODELS. THIS IS AN OPTION SETTING FOR POWERFUL FWD MODELS. PROVIDED FOR USA MARKET.
6	LANE DEPARTURE ASSISTANT (HCA)	0	0 = LANE DEPARTURE NOT INSTALLED (PR-7Y0) 1 = LANE DEPARTURE INSTALLED (PR-7Y2/7Y4)	ENABLING THIS FEATURE IN A VEHICLE WITHOUT THE OPTION FROM THE FACTORY MAY RESULT IN A FAULT.
7	HYBRID ENGINE	0	0 = OFF (NOT A HYBRID VEHICLE) 1 = ON (FOR HYBRID VEHICLES)	THIS PARAMETER ADJUSTS THE POWER CONTROL OF THE STEERING RACK TO MAKE IT SUITABLE FOR DRIVING WITH HYBRID VEHICLES.
8	DYNAMIC CHASSIS CONTROL	0	0 = DCC NOT INSTALLED (PR-2H0) 1 = DCC INSTALLED (PR-2H1)	ENABLING THIS FEATURE IN A VEHICLE WITHOUT THE OPTION FROM THE FACTORY MAY RESULT IN A FAULT.
9	STEERING ANGLE SENSOR	1	0 = INTERNAL SAS ACTIVE 1 = INTERNAL SAS INACTIVE 2 = INTERNAL SAS INACTIVE (ONLY FOR ASR MK70)	THERE IS NO SEPARATE G85 STEERING ANGLE SENSOR INSTALLED IN THE STEERING COLUMN OF THE VEHICLE. IF SET INCORRECTLY NO STEERING ANGLE SIGNAL WILL BE BROADCASTED ONTO THE NETWORK, ("NOTE" THE STEERING ANGLE WILL ALWAYS BE SHOWN ON A "LIVE READOUT" VIA A DIAGNOSTIC DEVICE - THIS DOES NOT MEAN THE CODING IS SET CORRECTLY) A MISSING OR IMPLAUSIBLE STEERING ANGLE SENSOR ERROR WILL BE RAISED AND THE ADAPTATION PROCESS WILL BE BLOCKED. THE VEHICLE IS FITTED WITH A G85 STEERING ANGLE SENSOR. THE G85 IS THE PRIMARY STEERING ANGLE SENSOR FOR THE VEHICLE. IF THE STEERING ANGLE OUTPUT FROM THE RACK IS SET INCORRECTLY THE SIGNALS WILL CONFLICT AND A STEERING ANGLE SENSOR ERROR WILL BE RAISED. CALIBRATION OF THE ANGLE SENSOR WILL BE IMPOSSIBLE AND THE ADAPTATION PROCESS WILL BE BLOCKED.

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