



## KIA® 1998 – 2011

OBDSII / 20-pin connector, CAN / non-CAN protocol, Diagnosis / Data / Coding

VERSION: **2011.08** DATE: **AUG, 2011**

### OBDS-II CONNECTOR (CAN AND non-CAN PROTOCOLS) / 20-PIN CONNECTOR

#### MODEL CARENS

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)	99~02: 1.8L, 03~06: 1.6/1.8L	✓	✓		
	03~06: 2.0L	✓	✓	✓	1.Adaptation Reset 2.Transmission Type Selection 3.TCS exist or not
	07~09: 2.0/2.4L	✓	✓	✓	1.RESET ALL ADAPTIVE VALUES 2.AUTO DETECTED CONFIGURATION RESET
	10~11: 1.6L	✓	✓	✓	1.RESET ALL ADAPTIVE VALUES
	10~11: 2.0L	✓	✓	✓	1.RESET ALL ADAPTIVE VALUES 2.AUTO DETECTED CONFIGURATION RESET
ENGINE (diesel)	03~06: 2.0L EURO-3	✓	✓	✓	
	06~11: 2.0L D EURO-4	✓	✓	✓	1.Injector Specific Data 2.Component Change Routine 3.Engine Test Functions 4.CPF Service Regeneration
	10~11: 1.6L U2	✓	✓		
AT	99~02: gasoline, 03~06: gasoline/diesel	✓	✓		
	07~09: 2.0/2.4L gasoline, 10~11: 2.0L gasoline, 06~11: 2.0L diesel CAN	✓	✓		1.RESETTING AUTO T/A VALUES
	10~11: 1.6L gasoline	✓	✓	✓	1.RESETTING AUTO T/A VALUES
ABS	99~02, 03~09	✓	✓		
SRS-AIRBAG	99~02, 03~06, 07~09	✓			
IMMOBILIZER*	07: gasoline CAN, 06: diesel CAN		✓		
FULL AUTO A/C	07~09	✓	✓		
BCM	07~09		✓		

## MODEL CARNIVAL / SEDONA

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)	06~11: 2.7/3.8L NON CAN	✓	✓	✓	
	07~11: 2.7/3.8L CAN	✓	✓	✓	1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING
	02~05: 2.5L V6	✓	✓		
	98~05: 2.5L KV6, 03~05: 3.5L	✓	✓	✓	
	09~11: 3.5L	✓	✓		1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING
ENGINE (diesel)	02~05: 2.9L CRDi, 06~11: J2.9 CRDi	✓	✓	✓	1.Injector Specific Data 2.ECU Initialization
	09~11: 2.2L R	✓	✓		
AT	98~05: gasoline/diesel, 06~11: 2.7/3.8L gasoline NON CAN, 2.9L diesel WGT	✓	✓		
	06~11: 2.7/3.8L gasoline CAN, 2.9L diesel VGT	✓	✓		1.RESETTING AUTO T/A VALUES
	09~11: 3.5L gasoline, 2.2L R diesel	✓	✓	✓	1.RESETTING AUTO T/A VALUES
ABS	98~01, 02~08	✓	✓		
SRS-AIRBAG	98~05, 06~08	✓			
IMMOBILIZER*	06: diesel CAN		✓		
FULL AUTO A/C	06~08	✓	✓		
TPMS	06~08	✓	✓		

## MODEL CERATO / FORTE

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)	04~06: 1.6/2.0L, 09: 2.4L	✓	✓	✓	
	07~09: 1.6/2.0L, 09~10: 1.6L	✓	✓	✓	1.RESET ALL ADAPTIVE VALUES
	11: 1.6L	✓	✓		1.RESET ALL ADAPTIVE VALUES
	09~11: 2.0L	✓	✓	✓	1.RESET ALL ADAPTIVE VALUES 2.AUTO DETECTED CONFIGURATION RESET
ENGINE (diesel)	04~06: 1.5/2.0L	✓	✓	✓	
	06~09: 1.6L	✓	✓	✓	1.Injector Specific Data 2.Engine Test Functions
AT	04~06: 1.6/2.0L gasoline, 09: 2.4L gasoline	✓	✓		
	07~09: 1.6L diesel, 07~09: 1.6/2.0L gasoline	✓	✓		1.RESETTING AUTO T/A VALUES
	09~11: 1.6/2.0L gasoline	✓	✓	✓	1.RESETTING AUTO T/A VALUES
ABS	04~09	✓	✓		
	09~11	✓	✓	✓	
SRS-AIRBAG	04~08, 09	✓			
	09~11	✓	✓		
IMMOBILIZER*	07: diesel CAN		✓		
EPS	09~11	✓	✓		
BCM	09~11		✓		
PIC-SMART KEY UNITS	09~11	✓	✓		
PIC-POWER DISTRIBUTION MODULE	09~11	✓	✓		
FULL AUTO A/C	09~11	✓	✓		

## MODEL CLARUS

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)	~98~05: 1.8/2.0L	✓	✓	✓	
AT	98~05	✓	✓		
ABS	~98~05	✓	✓		
SRS-AIRBAG	~98~05	✓			

## MODEL JOICE

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)	99~02: 2.0L EURO3	✓	✓	✓	
ABS	99~02	✓	✓		
SRS-AIRBAG	99~02	✓	✓		

## MODEL EURO STAR / PICANTO / MORNING

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)	04~11: 1.0/1.1L NON CAN	✓	✓	✓	
	08~11: 1.0/1.1L CAN	✓	✓	✓	1.RESET ALL ADAPTIVE VALUES
ENGINE (diesel)	06~11: 1.1L	✓	✓	✓	1.Injector Specific Data 2.Engine Test Functions
AT	04~11: gasoline NON CAN, 06~07: diesel	✓	✓		
	08~11: 1.0/1.1L gasoline CAN, 08: 1.1L diesel	✓	✓		1.RESETTING AUTO T/A VALUES
ABS	04~08	✓	✓		
SRS-AIRBAG	04~08	✓			
IMMOBILIZER*	06: diesel CAN		✓		
FULL AUTO A/C	08	✓	✓		
EPS	06~08	✓	✓		

## MODEL MOHAVE / BORREGO

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)	08~11: 3.8L	✓	✓	✓	1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING
	08~11: 4.6L	✓	✓	✓	1.RESET ALL ADAPTIVE VALUES
ENGINE (diesel)	08: 3.0L	✓	✓	✓	
AT	08~11	✓	✓		
ABS	08	✓	✓		
SRS-AIRBAG	08~11	✓			

## MODEL OPIRUS / AMANTI

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)	04~06: 3.5L	✓	✓	✓	
	07~09: 2.7/3.8L NON CAN	✓	✓	✓	
	07~09: 2.7/3.8L CAN	✓	✓	✓	1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING
AT	04~06, 07~09: 2.7/3.8L NON CAN	✓	✓		
	07~09: 2.7/3.8L CAN	✓	✓		1.RESETTING AUTO T/A VALUES
ABS	04~09	✓	✓		
SRS-AIRBAG	04~09	✓			
TPMS	04~09	✓	✓		

## MODEL POTENTIA

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)	2.0L unlead	✓	✓		

## MODEL PRIDE

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)	~98: 1.3L<parital>	✓	✓		

## MODEL RETONA

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)	98~01: 2.0L	✓	✓		
AT	98~01	✓	✓		

## MODEL OPTIMA / MAGENTIS

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)	00~05: 2.0/2.4/2.5L, 06~09: 2.0/2.4L NON CAN, 06~10: 2.7L	✓	✓	✓	
	06~10: 2.0/2.4L CAN	✓	✓	✓	1.RESET ALL ADAPTIVE VALUES 2.AUTO DETECTED CONFIGURATION RESET
	00~05: 2.7L V6, 2.5L V6 EURO3	✓	✓	✓	1.Adaptation Reset 2.Transmission Type Selection 3.TCS exist or not
	11: 2.0/2.4L	✓	✓		1.RESET ALL ADAPTIVE VALUES 2.AUTO DETECTED CONFIGURATION RESET
ENGINE (diesel)	06~10: 2.0L	✓	✓	✓	1.Injector Specific Data 2.Component Change Routine 3.Engine Test Functions 4.CPF Service Regeneration
AT	00~05: 2.0/2.4/2.5/2.7L gasoline, 06~09: 2.0/2.4/2.7L gasoline NON CAN	✓	✓		
	06~10: 2.0/2.4/2.7L gasoline CAN, 2.0L diesel 11: 2.0/2.4L gasoline	✓	✓		1.RESETTING AUTO T/A VALUES
ABS	00~01, 02: mando/bosch, 03~05, 06~09	✓	✓		
SRS-AIRBAG	00~05, 06~09	✓			
IMMOBILIZER*	06: CAN		✓		
TPMS	06~09	✓	✓		

## MODEL RIO

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)	00~05: 1.3/1.5L	✓	✓		
	06~11: 1.4L	✓	✓	✓	1.RESET ALL ADAPTIVE VALUES
	06~11: 1.6L	✓	✓	✓(partial)	1.RESET ALL ADAPTIVE VALUES
ENGINE (diesel)	06~11: 1.5L	✓	✓	✓	1.Injector Specific Data 2.Engine Test Functions
AT	00~05, 06~11	✓	✓		
ABS	00~02, 03~05, 06~08	✓	✓		
SRS-AIRBAG	00~05, 06~08	✓			
IMMOBILIZER*	06: CAN		✓		
EPS	06~08	✓	✓		
TPMS	08	✓	✓		

## MODEL SHUMA / SPECTRA

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)	99~00: 1.5/1.8L, 01~03: 1.6/1.8L	✓	✓		
	07~08: 2.0L SIEMENS CAN	✓	✓	✓	1.RESET ALL ADAPTIVE VALUES
AT	99~03	✓	✓		
	07~08: 2.0L SIEMENS CAN	✓	✓		1.RESETTING AUTO T/A VALUES
ABS	99~03	✓	✓		
SRS-AIRBAG	99~03	✓			

## MODEL SORENTO

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)	03~06: 2.4/3.5L, 07~08: 3.3/3.8L	✓	✓	✓	
	09~11: 3.5L	✓	✓		1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING
	09~11: 2.4L	✓	✓		1.RESET ALL ADAPTIVE VALUES 2.AUTO DETECTED CONFIGURATION RESET
ENGINE (diesel)	03~06, 07~08: 2.5L EURO3	✓	✓	✓	1.Injector Specific Data(OPTION)
	07~08: 2.5L EURO4	✓	✓	✓	1.Injector Specific Data 2.Component Change Routine 3.Engine Test Functions
	09~11: 2.0/2.2L R	✓	✓		
AT	03~06: 4/5 gear, 07~08: diesel/gasoline	✓	✓		
	09~11: 2.4/3.5L gasoline 09~11: 2.0/2.2L R diesel	✓	✓		1.RESETTING AUTO T/A VALUES
ABS	03~08	✓	✓		
SRS-AIRBAG	03~08	✓			
IMMOBILIZER*	07: diesel CAN		✓		
4WD	03~06, 07~08	✓			
FULL AUTO A/C	07~08	✓	✓		
BCM	07~08		✓		
EPS	07~08	✓	✓		
TPMS	03~08	✓	✓		



## MODEL SPORTAGE

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)	~98~03: 2.0L	✓	✓	✓ (~98, 98~03: LEAD)	
	07~10: 2.0L NON CAN 05~10: 2.7L	✓	✓	✓	
	07~10: 2.0L CAN	✓	✓	✓	1.RESET ALL ADAPTIVE VALUES
	05~06: 2.0L	✓	✓	✓	1.Adaptation Reset 2.Transmission Type Selection 3.TCS exist or not 4.ABS/Vehicle Speed exist or not
	11: 2.0/2.4L	✓	✓		1.RESET ALL ADAPTIVE VALUES 2.AUTO DETECTED CONFIGURATION RESET
	11: 1.6L GDi	✓	✓		1.RESET ALL ADAPTIVE VALUES
ENGINE (diesel)	05~10: 2.0L EURO3 WGT	✓	✓	✓	
	06~10: 2.0L EURO4 VGT	✓	✓	✓	1.Injector Specific Data 2.Component Change Routine 3.Engine Test Functions 4.CPF Service Regeneration
	11: 2.0L R, 1.7L U2	✓	✓		
AT	98~03: gasoline/diesel, 05~10: 2.0L gasoline/diesel NON CAN, 2.7L gasoline	✓	✓		
	06~10: 2.0L gasoline CAN, 2.0L diesel CAN, 11: 2.0/2.4L gasoline	✓	✓		1.RESETTING AUTO T/A VALUES
	11: 2.0L R diesel	✓	✓	✓	1.RESETTING AUTO T/A VALUES
ABS	98~03, 05~08	✓	✓		
SRS-AIRBAG	~98~03, 05~08	✓			
IMMOBILIZER*	06: diesel CAN		✓		
4WD	05~08	✓			
FULL AUTO A/C	05~08	✓	✓		
ETACS	05~08		✓		
TPMS	05~08	✓	✓		

## MODEL SEPHIA / MENTOR

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)	~98~04: 1.8L, 01~04: 1.6L	✓	✓	✓ (~98: 1.8L)	
	~98: 1.5/1.6L AFM 1	✓			
	~98: 1.5/1.6L MAP, 98~00: 1.5L	✓	✓		
AT	98~04	✓	✓		
	~98	✓			
ABS	98~04	✓	✓		
SRS-AIRBAG	~98~04	✓			

## MODEL VISTO

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)		✓	✓	✓	1.Adaptation Reset(OPTION)
AT		✓	✓		
ABS		✓	✓		
SRS-AIRBAG		✓			

## MODEL SOUL

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)	09~11: 1.6 DOHC/2.0L	✓	✓	✓	1.RESET ALL ADAPTIVE VALUES
	10~11: 1.6L F DOHC	✓	✓		1.RESET ALL ADAPTIVE VALUES
ENGINE (diesel)	09: 1.6L, 10~11: 1.6L U2	✓	✓	✓	
AT	09~11: 1.6/2.0L gasoline, 1.6L diesel	✓	✓		1.RESETTING AUTO T/A VALUES
ABS	09	✓	✓		
SRS-AIRBAG	09	✓			
EPS	09	✓	✓		

## MODEL CEE'D

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)	07~11: 1.4/1.6 -ETC-ISG, 2.0L	✓	✓	✓	1.RESET ALL ADAPTIVE VALUES
	09~11: +ETC, -ETC+ISG	✓	✓		1.RESET ALL ADAPTIVE VALUES
ENGINE (diesel)	09~11: 1.6L U2	✓	✓		
	07~11: 2.0L	✓	✓	✓	1.Injector Specific Data 2.Component Change Routine 3.Engine Test Functions 4.CPF Service Regeneration
	07~11: 1.6L U -CPF	✓	✓	✓	1.Injector Specific Data 2.Engine Test Functions
	07~11: 1.6L U +CPF	✓	✓	✓	
AT	07~11: 1.4/1.6/2.0L	✓	✓		1.RESETTING AUTO T/A VALUES
ABS	07~08	✓	✓		
SRS-AIRBAG	07~08	✓			
EPS	07~08	✓	✓		

## MODEL FRONTIER

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (diesel)	02~05: 2.5L 4D56 TCI	✓	✓	✓	

## MODEL PREGIO / BESTA

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (diesel)	02~05: 2.5L 4D56 TCI	✓	✓	✓	

## MODEL VENGA

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)	10: 1.4/1.6L	✓	✓		1.RESET ALL ADAPTIVE VALUES

## MODEL KAON / BONGO II / BONGO III / K2500 / K2900

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (diesel)	02~11: 2.5L 4D56 TCI	✓	✓	✓	
	02~11: K2.9 CRDi	✓	✓	✓	1.Injector Specific Data 2.ECU Initialization

## MODEL CADENZA

SYSTEM	TYPE & YEAR	READ / CLEAR CODE	DATA STREAM	ACTIVATION	FUNCTIONS
ENGINE (gasoline)	10~11: 3.5L	✓	✓		1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING
AT	10~11: 3.5L	✓	✓		1.RESETTING AUTO T/A VALUES

\* Immobilizer system always comes with Engine System. Please read and clear fault code for Immobilizer System in Engine System.

\* The manufacture may change the ECU versions without notification which cause the software fail to communicate with the ECU.

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