

# BarsIII Professional



## KIA 1998-2009

March 2011

OBD-II connector/20-Pins connector

SYSTEM	MODEL	DATA STREAM	READ CODE	CLEAR CODE
<b>Engine (gasoline)</b>	Carens (1999-2002/1.8L, 2003-2006/1.6/1.8/2.0L, 2007- <b>2009</b> /2.0/2.4L), Carnival/Sedona (1998-2002/2.5L, 2003-2005/2.5/3.5L, 2006- <b>2008</b> /2.7L/.3.8L), Cerato ( <b>2004-2008</b> /1.6/2.0L) Clarus (1998-2006/1.8L/2.0L), Euro Star/Picanto/Morning (2004- <b>2008</b> /1.0L/1.1L), Joice (1998-2006 2.0L euro3), <b>Mohave/Borrego(2008: 3.8L)</b> , <b>Opirus/Amanti (2004-2006/3.5L, 2007-2008)</b> Optima/Magentis (2000- <b>2005</b> /2.0/2.4/2.5/2.7L, <b>2006-2008/2.0/2.4/2.7L</b> ), Potentia ( <b>all</b> unlead 2.0L), <b>Pride (~1998/1.3L parital)</b> Retona ( <b>all</b> /2.0L), Rio (2000-2003/1.3/1.5L,2006- <b>2008</b> /1.4/1.6L), Sephia/Mentor (1998-2004/1.6/1.8L, before 1998/1.5L/1.6L AFM only read/clear), Shuma/Spectra (1999-2000/1.8L, 2001-2003/1.6/1.8L), Sorento (2003- <b>2006</b> /2.4/3.5L, <b>2007-2008/3.3L/3.8L</b> ), Sportage (1998-2003/2.0L/UNLEAD(AUS), 2005- <b>2008</b> /2.0L/2.7L), Visto	+	+	+
<b>Engine (diesel)</b>	Carens (2003- <b>2009</b> /2.0L), Carnival/Sedona (2002-2005/2.9L, 2006- <b>2008</b> /J2.9), Cerato ( <b>2006-2008</b> /1.6L), Euro Star/Picanto/Morning (2006- <b>2008</b> /1.1L), Frontier (2002-2005/2.5L 4D56 TCI), Kaon/ <b>Bongo II</b> K2500(2002- <b>2008</b> /2.5L 4D56 TCI), Kaon/Bongo III K2900(K2.9 CRDi), <b>Kaon K2900 (K2.9 CRD CAN)</b> , Optima/Magentis (2006- <b>2008</b> /2.0L), Pregio/Besta (2002-2005/2.5L 4D56 TCI), Rio (2006- <b>2008</b> /1.5L), Sorento (2003- <b>2006</b> , 2007- <b>2008</b> /2.5L <b>EURO-4</b> ), Sportage (2005- <b>2008</b> /2.0L),	+	+	+
<b>AT (gasoline)</b>	Carens (1999—2006,2007- <b>2009</b> /2.0/2.4L), Carnival/Sedona (1998-2005, 2006- <b>2008</b> /2.7/3.8L), Cerato ( <b>2004-2006</b> /1.6/2.0L , 2007- <b>2008</b> /1.6/2.0L),			

	Euro Star/Picanto/Morning (2004-2008), Mohave/Borrego(2008) Opirus/Amanti (2004-2008) , Optima/Magentis (2000-2008/2.0/2.4/2.7L, 2000-2005/2.5L), Retona , Rio (2000-2003/ LHD/RHD, 2006-2008), Sephia/Mentor (1998-2004, before 1998 only read/clear), Shuma/Spectra (1999-2003), Sorento (2003-2006/4gear, 5 gear only read/clear DTC, 2007-2008), Sportage (1998-2003, 2005-2008/2.0L/2.7L), Visto	+	+	+
<b>AT (diesel)</b>	Carens (2003-2006, 2007-2009/2.0L), Carnival/Sedona (1998-2002, 2003-2005/3.5L, 2006-2008/J2.9), Cerato (2004-2006/1.6/2.0L , 2007-2008/1.6L), Euro Star/Picanto/Morning (2006-2008), Optima/Magentis (2006-2008/2.0L), Rio (2000-2003/ LHD/RHD, 2006-2008), Sephia/Mentor (1998-2004), Shuma/Spectra (1999-2003), Sorento (2003-2006/4gear, 5 gear only read/clear DTC, 2007-2008 JATCO only read/clear DTC), Sportage (1998-2003, 2005-2008/2.0L), Visto	+	+	+
<b>IMMO (gasoline)</b>	Carens (2007), Optima/Magentis (2006), Rio (2006),	+		
<b>IMMO (diesel)</b>	Carens (2006), Carnival/Sedona (2006), Cerato (2007), Euro Star/Picanto/Morning (2006), Optima/Magentis (2006), Rio (2006), Sorento (2007), Sportage (2006),	+		
<b>ABS</b>	Carens (2003-2009), Carnival/Sedona (1998-2008), Cerato (2004-2008), Clarus, Euro Star/Picanto/Morning (2004-2008), Joice, Mohave/Borrego (2008), Opirus/Amanti (2004-2008), Optima/Magentis (2000-2001, 2002/mando/bosch, 2003-2005, 2006-2008), Rio (2003-2008), Sephia/Mentor (1998-2001), Shuma/Spectra (1999-2001), Sorento (2003-2008),	+	+	+

	Sportage (1998- <b>2008</b> ), Visto			
<b>Air Bag</b>	Carens (1999-2002, <b>2003-2009</b> ), Carnival/Sedona (1998- <b>2008</b> ), <b>Cerato (2004-2008)</b> , <b>Clarus</b> , Euro Star/Picanto/Morning (2004- <b>2008</b> ), Joice, <b>Mohave/Borrego (2008)</b> , <b>Opirus/Avanti (2004-2008)</b> Optima/Magentis (2000- <b>2008</b> ), Rio ( <b>2000-2005</b> LHD/RHD, <b>2006-2008</b> ), Sephia/Mentor (~ <b>1998</b> , 1998-2004), Shuma/Spectra (1999-2003), Sorento (2003- <b>2008</b> ), Sportage (~ <b>2003</b> , 2005- <b>2008</b> ), Visto	<b>+</b> <b>Only for Joice</b>	<b>+</b>	<b>+</b>
<b>4WD</b>	<b>Sportage (2005-2008)</b> , <b>Sorento (2003-2006/TOD AUTO, 2007-2008 )</b>		<b>+</b>	<b>+</b>

The manufacture may change the ECU versions without notification which cause the software fail to communicate with the ECU.  
CAN-protocol ECUs are not supported.

## ACTIVATION FUNCTIONS

SYSTEM	MODEL	ACTIVATION
<b>Engine (gasoline)</b>	Carens (2003-2006/2.0L), Carnival/Sedona (1998-2005/2.5L KV6/3.5L, 2006- <b>2008</b> /2.7L/.3.8L), <b>Cerato (2004-2008/2.0L CVVT)</b> <b>Clarus (all 1.8L/2.0L)</b> , Euro Star/Picanto/Morning (2004- <b>2008</b> ), <b>Mohave/Borrego(2008: 3.8L)</b> , <b>Opirus/Amanti (2004-2006/3.5L, 2007-2008)</b> <b>Optima/Magentis (2007-2008/2.7L CAN)</b> , Sephia/Mentor ( before 1998/1.8L), Sorento (2003- <b>2006</b> /2.4/3.5L, <b>2007-2008/3.3L/3.8L CAN</b> ), Sportage (~ <b>1998/2.0L</b> , 1998-2003/2.0L LEAD, 2005- <b>2008</b> /2.0L/2.7L <b>NON CAN</b> ),	<b>+</b>

<b>Engine (diesel)</b>	Carens (2003-2009/2.0L), Carnival/Sedona (2002-2005/2.9L, 2006-2008/J2.9), Cerato (2006-2008/1.6L), Euro Star/Picanto/Morning (2006-2008/1.1L), Kaon/Bongo II K2500(2002-2008/2.5L 4D56 TCI), Kaon/Bongo III K2900(K2.9 CRDi), Optima/Magentis (2006-2008/2.0L), Rio (2006-2008/1.5L), Sorento (2003-2006), Sportage (2005-2008/2.0L),	+
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## CODING / ADAPTATION FUNCTIONS

MODEL	FUNCTIONS
Carens (2003-2006/2.0L)	Adaptation Reset Transmission Type Selection TCS exist or not
Sportage (2005-2006/2.0L),	Adaptation Reset Transmission Type Selection TCS exist or not ABS/Vehicle Speed exist or not
Optima/Magentis (2000-2005/2.5L partial /2.7L)	Adaptation Reset Transmission Type Selection TCS exist or not
Visto (all lead/unlead)	Adaptation Reset