

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions								
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else	
	PRIDE	Engine(~98,99,02,03,04)	1.3L SOHC gasoline FBC before 1998		√	√						
			1.3L SOHC gasoline AFM1 before 1998		√	√						
			1.3L SOHC GASOLINE MAP		√	√	√					
		AT(2002,03,04)		√	√	√						
	VISTO	Engine(ALL Year)	UNLEAD ALL		√	√	√	√				1.RESETTING ADAPTIVE VALUES
			UNLEAD IMMO		√	√	√	√				
			LEAD ALL		√	√	√	√				2.RESETTING ADAPTIVE VALUES
		AT(All Year)		√	√	√	√					
		ABS(All Year)		√	√	√	√	√				
	SRS(All Year)		√	√	√							
	AVELLA	Engine(ALL Year)	1.3/1.5 GASOLINE MAP		√	√	√					
		AT			√	√						
		ABS			√	√	√					
	Engine(2007-08)	1.6L CVVT EOBD	√	√	√	√	√				1.RESETTING ADAPTIVE VALUES	
		1.6L CVVT GEN	√	√	√	√	√				1.RESETTING ADAPTIVE VALUES	
		1.6L CVVT LEAD	√	√	√	√	√				1.RESETTING ADAPTIVE VALUES	
		1.4L DOHC EOBD	√	√	√	√	√				1.RESETTING ADAPTIVE VALUES	
		1.4L DOHC GEN	√	√	√	√	√				1.RESETTING ADAPTIVE VALUES	
		1.4L DOHC LEAD	√	√	√	√	√				1.RESETTING ADAPTIVE VALUES	
		1.5L VGT DIESEL	√	√	√	√	√				01.INJECTOR CORRECTION 02.ENGINE TEST FUNCTION	

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Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
RIO		Engine(2000-06)	1.6 CVVT(2006)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUES
			1.4 DOHC(2006)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUES
			U 1.5L VGT DIESEL(2006)	√	√	√	√	√			01.INJECTOR CORRECTION 02.ENGINE TEST FUNCTION
			1.3/1.5 GASOLINE MAP		√	√	√				
			1.3/1.5L MAF		√	√	√				
			1.3/1.5L (RHD) MAP		√	√	√				
			1.3/1.5L (RHD) MAF		√	√	√				
			1.3/1.5L GASOLINE /IMMO		√	√	√				
		1.3/1.5L GASOLINE LEAD		√	√	√					
		AT(2007-08)		√	√	√	√	√			1.RESETTING ADAPTIVE VALUES
		AT(2000-06)	CAN BUS(2006)	√	√	√	√	√			
				√	√	√	√	√			
			TCU LHD		√	√	√				
			TCU RHD		√	√	√				
		ABS	ABS(2007-08)	√	√	√	√	√	√		
			ABS (2006)	√	√	√	√	√	√		
			DLC CABLE 16 (2003-05)		√	√	√	√	√		
			20PIN RED KIA CONNECTOR (2003-05)		√	√	√	√	√		
			ABS LHD (2000-02)		√	√	√	√			
			ABS RHD (2000-02)		√	√	√	√			
		SRS (2007-08)	√	√	√						

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				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else	
		SRS	SRS (2006)	√	√	√				√		
			A/BAG LHD(2000-05)		√	√						
			A/BAG RHD(2000-05)		√	√						
		IMMIBILIZER	IMM(2006~2008)				√				01.PASSWORD TEACHING/CHANGING 02.TEACHING 03.NEUTRAL MODE 04.LIMP HOME MODE	
		ELEC. POWER STEERING(2006~2007)		√	√	√	√					
		SEPHIA (MENTOR)	Engine	1.6L DOHC NON IMMO (2001-04)		√	√	√				
				1.6L DOHC W/IMMO (2001-04)		√	√	√				
	1.6L DOHC LEAD (2001-04)				√	√	√					
	1.8L DOHC GASOLINE TED (1998-2004)				√	√	√					
	1.5L GASOLINE BFD/BFE (1998-2000)				√	√	√					
	1.5/1.6L ENG(MTM) AFM1 (before 1998)				√	√						

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Areas	Vehicle	System	Sub System	Functions								
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else	
			1.5/1.6L ENG(ATM) AFM1 (before 1998)		√	√						
			1.5 GASOLINE MAP		√	√	√					
		AT	(1998-2004)		√	√	√					
			before 1998		√	√						
		ABS(1998-2004)		√	√	√	√					
		SRS(before 1998-2004)		√	√							
		SHUMA	Engine	1.6L DOHC NON IMMO (2001-04)		√	√	√				
				1.6L DOHC W/IMMO (2001-04)		√	√	√				
				1.6L DOHC LEAD (2001-04)		√	√	√				
				1.8L DOHC GASOLINE TED (1999-2004)		√	√	√				
	1.5L GASOLINE BFD/BFE (1999-2000)				√	√	√					
	AT(1999-2004)			√	√	√						
	ABS(1999-2004)			√	√	√	√	√				
	SRS(1999-2004)			√	√							
			LEAD 2.4L ALL(2007~2009)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUES 2.FREEZE FRAME DATA	

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Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
			UNLEAD 2.4L GEN(2007~2009)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUES 2.FREEZE FRAME DATA
			UNLEAD 2.4L EOBD(2007~2009)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUES 2.FREEZE FRAME DATA
			LEAD 2.0L ALL(2007~2009)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUES 2.FREEZE FRAME DATA
			UNLEAD 2.0L GEN(2007~2009)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUES 2.FREEZE FRAME DATA
			UNLEAD 2.0L EOBD(2007~2009)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUES 2.FREEZE FRAME DATA
			2.0L DIESEL(KWP) EURO-4(2007~2009)	√	√	√	√	√			1.CPF SERVICE REGENERATION 2.INJECTOR CORRECTION 3.COMPONENT CHANGE ROUTINE 4.ENGINE TEST FUNCTION
			2.0L DIESEL(CAN)(2007~2009)	√	√	√	√	√			1.CPF SERVICE REGENERATION 2.INJECTOR CORRECTION 3.COMPONENT CHANGE ROUTINE 4.ENGINE TEST FUNCTION
			2.0L DIESEL(CAN) EURO-4(2006)		√	√					1.CPF SERVICE REGENERATION 2.INJECTOR CORRECTION 3.COMPONENT CHANGE ROUTINE 5.ENGINE TEST FUNCTION

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Areas	Vehicle	System	Sub System	Functions									
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else		
CARENS		Engine	2.0L DIESEL(KWP) EURO-4(2006)		√	√						1.CPF SERVICE REGENERATION 2.INJECTOR CORRECTION 3.COMPONENT CHANGE ROUTINE 6.ENGINE TEST FUNCTION	
			2.0L/2.4L GASOLINE(2007)		√	√							
			2.0L CVVT ALL (2004-06)		√	√	√	√					1.RESTTING ADAPTIVE VALUES 2.VERSION CONFIGURATION
			1.8L LPG (2004-05)		√	√	√	√					
			2.0L LPG (2004-05)		√	√	√	√					
			2.0L DIESEL (2003-06)	√	√	√	√	√					1.ENGINE TEST FUNCTION
			1.6L DOHC W/IMMO (2003-05)		√	√	√						
			1.6L DOHC EURO-IV (2003-05)		√	√	√						
			1.8L DOHC NON IMMO (2003-05)		√	√	√						
			1.8L DOHC W/IMMO (2003-05)		√	√	√						
			1.8L DOHC EURO-IV (2003-05)		√	√	√						

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Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
			1.8L DOHC LEAD (2003-05)		√	√	√				
			1.8L DOHC M/T (2001-02)		√	√	√				
			1.8L DOHC (2001-02)		√	√	√				
			1.8L DOHC GASOLINE TED (1999-2000)		√	√	√				
		AT	DIESEL (2003-05)		√	√	√	√			
			GASOLINE (1999-2005)		√	√	√				
			1.8L LPG (2004-2005)		√	√	√				
			2.0L LPG (2004-2005)		√	√	√	√			
			2007		√	√					
			2.0/2.4 SIEMENS(2007~2009)	√	√	√	√	√			1.CPF SERVICE REGENERATION
			2.0L DIESEL(VET) EURO-4(2007~2009)	√	√	√	√	√			1.CPF SERVICE REGENERATION
			DLC CABLE 16 (2003-05)	√	√	√				√	

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Areas	Vehicle	System	Sub System	Functions								
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else	
		ABS	20PIN RED KIA CONNECTOR (2003-05)	√	√	√						
			1999-2002		√	√	√	√				
			2006		√	√	√	√	√			
			2007~2009	√	√	√	√	√	√			
		SRS	2003-2005	√	√	√	√					
			1999-2002 2007	√	√	√	√					
			2007~2009	√	√	√					1.PASS.AIRBAG REALTIME INFO. 2.CRASHING INFORMATION	
		A/C	2007	√	√	√	√	√				
			2007~2009	√	√	√		√				
		IMMIBILIZER	2003~2009				√				01.SMARTRA NEUTRAL 02.PASSWORD TEACHING/CHANGING 03.TEACHING 04.NEUTRAL MODE 05.LIMP HOME MODE	
		BCM	2007~2009	√			√	√				
			2.0L DIESEL(CAN) EURO-4(07~08)	√	√	√	√	√			1.CPF SERVICE REGENERATION 2.INJECTOR CORRECTION 3.COMPONENT CHANGE ROUTINE 4.ENGINE TEST FUNCTION	

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Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
		Engine	2.0L DIESEL(CAN) EURO-4(06)		√	√					1.CPF SERVICE REGENERATION 2.INJECTOR CORRECTION 3.COMPONENT CHANGE ROUTINE 4.ENGINE TEST FUNCTION
			2.0L DIESEL(KWP) EURO-4(07~08)	√	√	√	√	√			1.CPF SERVICE REGENERATION 2.INJECTOR CORRECTION 3.COMPONENT CHANGE ROUTINE 4.ENGINE TEST FUNCTION
			2.0L DIESEL(KWP) EURO-4(06)		√	√					1.CPF SERVICE REGENERATION 2.INJECTOR CORRECTION 3.COMPONENT CHANGE ROUTINE 4.ENGINE TEST FUNCTION
			2.0L DIESEL EURO-3 (07-08)	√	√	√	√	√			1.ENGINE TEST FUNCTION
			2.0L DIESEL ALL (2004-2006)	√	√	√	√	√			1.ENGINE TEST FUNCTION
			2.0L CVVT EOBD (2004-2008)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUES 2.VERSION CONFIGUTRATION
			2.0L CVVT GEN (2004-2008)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUES 2.VERSION CONFIGUTRATION
			2.0L CVVT LEAD (2004-2008)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUES 2.VERSION CONFIGUTRATION 3.IDLE CO ADJUSTMENT

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Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
	SPORTAGE		2.7L V6 EOBD (2004-2008)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUES 2.VERSION CONFIGUTRATION
			2.7L V6 GEN (2004-2008)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUES 2.VERSION CONFIGUTRATION
			2.7L V6 LEAD (2004-2008)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUES 2.VERSION CONFIGUTRATION 3.IDLE CO ADJUSTMENT
			2.0L DOHC(HFM) BOSCH (2001-03)		√	√	√				
			2.0L DOHC(HFM) LEAD (1998-2003)		√	√	√	√			
			2.0L DIESEL RF-TCI (1998-2003)		√	√	√	√			
			2.0L GASOLINE (before 1998)		√	√	√	√			
			2.0L Diesel RF-TCI (before 1998)		√	√					
			2.0L DOHC(HFM) UNLEAD (1998-2000)		√	√	√				
			UNLEAD(AUS) (2000)		√	√	√				
			2.0L DIESEL(VGT) EURO-4(06)		√	√					

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Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
		AT	2.0L DIESEL(VGT) EURO-4(07~08)	√	√	√	√	√			
			2.0L DIESEL/2.7L GASOLINE(2004-2008)	√	√	√	√	√			
			2.0L GASOLINE(PCM) (2004-2008)	√	√	√	√	√			
			(1998,99,01)		√	√	√				
			TCU GASOLINE (2002,03)		√	√	√				
			TCU DIESEL (2002,03)		√	√	√				
			GASOLINE/DIESEL (2000)		√	√	√				
			UNLEAD(AUS) (2000)		√	√	√				
			before 1998		√	√					
		ABS	ABS/TCS/ESP (2007-2008)	√	√	√	√	√	√		
			ABS/TCS/ESP (2004-2006)	√	√	√	√	√	√		
			ABS GASOLINE (2001-03)		√	√	√	√	√		

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Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
			ABS DIESEL (2001-03)		√	√	√	√	√		
		SRS	SRS AIRBAG ETC(08)	√	√	√	√				1.PASS.AIRBAG REALTIME INFO.
			SRS AIRBAG CHINA(08)	√	√	√	√				
			SRS AIRBAG(07)	√	√	√	√				
			2004-2006	√	√	√				√	
		A/C	2004-2008	√	√	√	√	√			
		4WD	2004-2008	√	√	√					
		IMMIBILIZER	2004-2008				√				01SMARTRA NEUTRAL 02.PASSWORD TEACHING/CHANGING 03.TEACHING 04.NEUTRAL MODE 05.LIMP HOME MODE
	BCM	(2007-2008)	√			√	√				
	CLARUS	Engine	1.8L GASOLINE (before 1998-2000)		√	√	√	√			
			2.0L GASOLINE (before 1998-2000)		√	√	√	√			
		AT	(1998-2000)		√	√	√				
			before 1998		√	√					
ABS(1998-2000)				√	√	√	√				
SRS(up to 2000)				√	√						

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Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
Optima 2009 (Magentis)	Engine control		01. 2.0L DIESEL(VGT) EURO-4	√	√	√	√	√			1.CPF SERVICE REGENERATION 2.INJECTOR CORRECTION 3.COMPONENT CHANGE ROUTINE 4.ENGINE TEST FUNCTION
			02. UNLEAD 2.0L(NON ETC) GEN	√	√	√	√	√			
			03. UNLEAD 2.0L(NON ETC) EOBD	√	√	√	√	√			
			04. LEAD 2.0L(NON ETC) ALL	√	√	√	√	√			
			05. UNLEAD 2.4L(ETC) GEN	√	√	√	√	√			
			07. LEAD 2.4L(ETC) ALL	√	√	√	√	√			
			08. UNLEAD 2.7L EOBD	√	√	√	√	√			1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING
			09. UNLEAD 2.7L GEN	√	√	√	√	√			1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING
			10. LEAD 2.7L ALL	√	√	√	√	√			1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING
			Automatic Transaxle		01. 2.0L DIESEL(VGT) EURO-4	√	√	√	√	√	
	02. 2.4L CVVT	√			√	√	√	√			
	03. 2.0L CVVT	√			√	√	√	√			
	04. 2.7L CVVT	√			√	√	√	√			
	ABS/ESP			√	√	√	√	√			
	SRS-AIRBAG			√	√	√					

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				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
Optima 2007~2008		SMART KEY SYSTEM	03. PDM DIAGNOSTIC MODE	√	√	√	√	√			
		FULL AUTO AIR/CON.		√	√	√	√	√			
		IMMIBILIZER					√				01.SMARTRA NEUTRAL 02.PASSWORD TEACHING/CHANGING 03.TEACHING 04.NEUTRAL MODE 05.LIMP HOME MODE
		ELEC.CONTROL SUSPENSION			√	√	√	√			
	ENGINE CONTROL	01. 2.0L DIESEL(VGT) EURO-4		√	√	√	√	√			1.CPF SERVICE REGENERATION 2.INJECTOR CORRECTION 3.COMPONENT CHANGE ROUTINE 4.ENGINE TEST FUNCTION
		02. UNLEAD 2.0L EOBD		√	√	√	√	√			1.RESETTING ADAPTIVE VALUS 2.VERSION CONFIGURATION
		03. UNLEAD 2.0L GEN		√	√	√	√	√			1.RESETTING ADAPTIVE VALUS 2.VERSION CONFIGURATION
		04. LEAD 2.0L ALL		√	√	√	√	√			1.RESETTING ADAPTIVE VALUS 2.VERSION CONFIGURATION
		05. UNLEAD 2.4L EOBD		√	√	√	√	√			1.RESETTING ADAPTIVE VALUS 2.VERSION CONFIGURATION
		06. UNLEAD 2.7L EOBD		√	√	√	√	√			1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING
		07. UNLEAD 2.7L GEN		√	√	√	√	√			1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING
08. LEAD 2.7L ALL		√	√	√	√	√			1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING		

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				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else		
	(Magentis)	AUTOMATIC TRANSAXLE	01. 2.0L DIESEL(VGT) EURO-4	√	√	√	√	√					
			02. 2.0L CVVT	√	√	√	√	√					
			03. 2.4L CVVT	√	√	√	√	√					
			04. 2.7L CVVT	√	√	√	√	√					
		ABS/ESP		√	√	√	√	√	√				
		SRS-AIRBAG		√	√	√							
		IMMIBILIZER					√				01.SMARTRA NEUTRAL 02.PASSWORD TEACHING/CHANGING 03.TEACHING 04.NEUTRAL MODE 05.LIMP HOME MODE		
		FULL AUTO AIR/CON.		√	√	√	√	√					
		ELEC.CONTROL SUSPENSION			√	√	√	√					
					2.0L DIESEL(VGT) EURO-4(06-07)	√	√	√	√	√			1.CPF SERVICE REGENERATION 2.INJECTOR CORRECTION 3.COMPONENT CHANGE ROUTINE 4.ENGINE TEST FUNCTION
					UNLEAD 2.0L EOBD(06-07)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUS 2.VERSION CONFIGURATION
					UNLEAD 2.0L GEN(06-07)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUS 2.VERSION CONFIGURATION
LEAD 2.0L ALL(06-07)	√				√	√	√	√			1.RESETTING ADAPTIVE VALUS 2.VERSION CONFIGURATION		
UNLEAD 2.4L EOBD(06-07)	√				√	√	√	√			1.RESETTING ADAPTIVE VALUS 2.VERSION CONFIGURATION		

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				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
OPTIMA (MAGENTIS)	Engine	UNLEAD 2.7L EOBD(06-07)		√	√	√	√			1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING	
		UNLEAD 2.7L GEN(06-07)		√	√	√	√			1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING	
		LEAD 2.7L ALL(06-07)		√	√	√	√			1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING	
		2.7L V6 GASOLINE (2002-05)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUS 2.VERSION CONFIGURATION	
		2.5L V6(TIO2) EURO-III (2003-05)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUS 2.VERSION CONFIGURATION	
		2.5L V6(ZRO2) EURO-II (2003-05)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUS 2.VERSION CONFIGURATION	
		2.5L V6 GENERAL (2000-05)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUS 2.VERSION CONFIGURATION	
		2.5L V6 LEAD (2000-05)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUS 2.VERSION CONFIGURATION	
		2.4L DOHC MELCO (2000-04)	√	√	√	√	√				
		2.0L DOHC A/T MELCO (2000-04)	√	√	√	√	√				
		2.0L DOHC A/T LEAD (2000-04)		√	√	√	√				
		2.0L DOHC M/T MELCO (2000-04)	√	√	√	√	√				

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
			2.0L DOHC M/T LEAD (2000-04)		√	√	√	√			
			1.8L DOHC SIEMENS(2004)	√	√	√	√	√			
			2.0L LPG SILIUSI(2004)	√	√	√	√	√			
			2.0L LPG BETA(2004)	√	√	√	√	√			
			2.5L V6 EURO-III (2000-02)	√	√	√	√	√			1.RESETTING ADAPTIVE VALUS 2.VERSION CONFIGURATION
		AT(2000-07)	2.0L DIESEL(VGT)		√	√					
			2.0L CVVT(06-07)		√	√					
			2.4L CVVT(06-07)		√	√					
			2.7L CVVT(06-07)		√	√					
			TCU FOR 2.5L/2.7L GASOLINE		√	√					
			TCU FOR 2.4L GASOLINE	√	√	√	√	√			
			TCU FOR 2.0L GASOLINE	√	√	√	√	√			
			CVT	√	√	√	√	√			
			1.8/2.5 SIEMENS REGAL	√	√	√	√	√			
		ABS(2000-07)		√	√	√	√	√	√		
		SRS(2000-07)		√	√	√	√				
		IMMIBILIZER	2006				√				01.SMARTRA NEUTRAL 02.PASSWORD TEACHING/CHANGING 03.TEACHING 04.NEUTRAL MODE 05.LIMP HOME MODE

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
		A/C(2006-07)			√	√					
		ELEC. CONTROL SUSPENSION(2006-07)			√	√					
	ELAN	Engine(1997-98)			√	√	√	√			
		SRS(1997-98)			√	√					
	POTENTIA	Engine(All Year)	2.0L DOHC(HFM) UNLEAD			√	√	√			
			2.0L DOHC(HFM) LEAD			√	√				
		AT			√	√					
		ABS			√	√	√				
	ENTERPRISE	Engine(All Year)	2.5L GASOLINE J5D			√	√	√			
			3.0L GASOLINE JED			√	√	√			
			OBD-II 98-99MY			√	√	√			
		AT(All Year)			√	√					
		ABS(All Year)	3.0L GASOLINE JED			√	√	√			
			3.6L GASOLINE J6D			√	√	√			
		SRS(All Year)			√	√					
		Engine(2007-2008)	2.7/3.8L GASOLINE EOBD	√	√	√	√	√			1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING
			2.7/3.8L GASOLINE GEN	√	√	√	√	√			1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING
			2.7/3.8L GASOLINE LEAD	√	√	√	√	√			1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING
			J2.9 WGT(DIESEL)C/RAIL	√	√	√	√	√			1.ECU INITIALIZATION

KIA V41.90 Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
			J2.9 VGT(DIESEL)C/RAIL	√	√	√	√	√			1.ECU INITIALIZATION
		AT(2007-2008)	TCU 2.7/3.8L (GASOLINE)	√	√	√	√	√			
			TCU 2.9 WGT(DIESEL)	√	√	√	√	√			
			TCU 2.9 VGT(DIESEL)	√	√	√	√	√			
		ABS(2007-2008)		√	√	√	√	√	√		1.SOLENOID VALVE TEST 2.STEERING ANGLE SENSOR 3.VARIANT CODING
		SRS(2007-2008)	LONG BODY AIRBAG	√	√	√	√				
			SHORT BODY AIRBAG	√	√	√	√				
		AC(2007-2008)		√	√	√	√	√			
		FUEL(2007-2008)		√	√	√	√	√			
		POWER SLIDING / TAIL GATE	POWER SLIDING-LH	√	√	√	√				
			POWER SLIDING-RH	√	√	√	√				
			POWER TAIL GATE	√	√	√	√				
		BODY CONTROL MODULE(2007-2008)	IN PANEL MODULE				√				
			FRONT AREA MODULE				√				
			REAR AREA MODULE				√				
			DRIVER DOOR MODULE				√				
			ASSIST DOOR MODULE				√				
			INTEGRATED MEM SEAT				√				

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
Non-Korea	CARNIVAL (SEDONA)	Engine(2006)	2.7/3.8L GASOLINE		√	√	√				1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING
			J2.9 WGT(DIESEL) C/RAIL		√	√					1.ECU INITIALIZATION
			J2.9 VGT(DIESEL) C/RAIL		√	√					1.ECU INITIALIZATION
		AT(2006)	TCU 2.7/3.8L(GASOLINE)		√	√					
			TCU 2.9 WGT(DIESEL)		√	√					
			TCU 2.9 VGT(DIESEL)		√	√					
		ABS(2006)		√	√	√	√	√	√		1.SOLENOID VALVE TEST 2.STEERING ANGLE SENSOR 3.VARIANT CODING
		SRS(2006)			√	√					
		A/C(2006)			√	√					
		FUEL FIRED HEATER(2006)			√	√					
		POWER SLIDING / TAIL GATE(2006)	POWER SLIDING – LH		√	√					
			POWER SLIDING – RH		√	√					
			POWER TAIL GATE		√	√					
		BODY CONTROL MODULE(2006)	IN PANEL MODULE		√	√					
			FRONT AREA MODULE		√	√					
			REAR AREA MODULE		√	√					
			DRIVER DOOR MODULE		√	√					
			ASSIST DOOR MODULE		√	√					

KIA V41.90 Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions								
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else	
	(SEDONA)		INTEGRATED MEM SEAT		√	√						
		Engine	3.5L GASOLINE M/EAST (2003-04)		√	√	√	√				
			2.5L V6 EURO-III		√	√	√	√				
			2.5L GASOLINE(EUROPE) KV6(1998-2004)		√	√	√	√				
			2.4/2.5L GASOLINE(GEN) KV6(1998-2004)		√	√	√	√				
			2.9L DIESEL C/RAIL (2002-04)		√	√	√	√				
			3.0L DIESEL(EUROPE) J3TCI (1998-2004)		√	√						
			3.0L DIESEL(GEN) J3TCI (1998-2004)		√	√						
		AT	3.5L GASOLINE M/EAST (2003-04)		√	√	√	√				
			GASOLINE (2002-04)		√	√	√	√				
			DIESEL (2002-04)		√	√	√	√				
			TCU(GENERAL) GAS (1998-2001)		√	√	√	√				

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions								
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else	
			TCU(EUROPE) GAS (1998-2001)		√	√	√	√				
			TCU(GENERAL) DIESEL (1998-2001)		√	√	√					
			TCU(EUROPE) DIESEL (1998-2001)		√	√	√					
		ABS	ABS(2002-04)		√	√	√	√	√			
			ABS EURO-II(2002-04)		√	√	√	√	√	√		
			ABS C/RAIL(2002-04)		√	√	√	√	√	√		
			ABS(EUROPE) (1998-2001)		√	√	√	√	√	√		
			ABS(GENERAL) GAS (1998-2001)		√	√	√	√	√	√		
			ABS(GENERAL) DIESEL (1998-2001)		√	√	√	√	√	√		
		IMMBILIZER	2002~2004				√					01.PASSWORD TEACHING/CHANGING 02.TEACHING 03.NEUTRAL MODE 04.LIMP HOME MODE
			2006~2008				√					

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
		SRS	(2002-2004)		√	√					
			A/BAG(Europe) (1998-2001)		√	√					
			A/BAG(GENERAL) (1998-2001)		√	√					
RETONA	Engine(ALL Year)	2.0L GASOLINE		√	√	√					
		2.0L DIESEL RF-TCI		√	√	√	√				
	AT(ALL Year)		√	√	√						
	ABS(ALL Year)		√	√	√	√					
JOICE	Engine(ALL Year)	2.0L GASOLINE EURO-III		√	√	√	√				
	ABS(ALL Year)			√	√	√	√	√			
	SRS(ALL Year)			√	√	√					
TOWNER											
PREGIO	Engine(2002-04)			√	√	√	√				
FRONTIER	Engine(2002-04)			√	√	√	√				
	Engine(2007-2008)	UNLEAD 3.3/3.8L EOBD	√	√	√	√	√			1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING	
		UNLEAD 3.3/3.8L GEN	√	√	√	√	√			1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING	
		LEAD 3.3/3.8L ALL	√	√	√	√	√			1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING	
		2.5 DIESEL(CAN)EURO-4	√	√	√	√	√			1.INJECTOR CORRECTION 2.COMPONENT CHANGE ROUTINE 3.ENGINE TEST FUNCTION	
		2.5 DIESEL(KWP)EURO-4	√	√	√	√	√				

KIA V41.90 Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
			2.5 DIESEL EURO-3	√	√	√	√	√			1.INJECTOR CORRECTION 2.ENGINE TEST FUNCTION
		AT(2007-2008)	GASOLINE(CAN) BOSCH	√	√	√	√	√			
			GASOLINE(KWP) BOSCH	√	√	√	√	√			
			A2.5L DIESEL JATCO	√	√	√	√				
		ABS(2007-2008)		√	√	√	√	√	√		1.SOLENOID VALVE TEST 2.STEERING ANGLE SENSOR 3.VARIANT CODING
		SRS(2007-2008)		√	√	√	√				
		AC(2007-2008)		√	√	√	√	√			
		EPS(2007-2008)		√	√	√	√				
		4WD(2007-2008)		√	√	√					
		FUEL(2007-2008)		√	√	√	√	√			
		BODY CONTROL MODULE(2007~2008)		√			√	√			
		SMK(2007~2008)		√	√	√	√	√			
		Engine(2006)	3.3L/3.8L		√	√					
			2.5L DIESEL(CAN) EURO-4			√	√				
			2.5L DIESEL(KWP) EURO-4			√	√				
			2.5L DIESEL EURO-3			√	√				
		AT(2006)	GASOLINE (CAN) BOSCH			√	√				
			GASOLINE (KWP) BOSCH				√	√			
			A2.5L DIESEL JATCO				√	√			

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions								
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else	
	SORENTO	ABS(2006)		√	√	√	√	√				
		SRS(2006)		√	√	√	√					
		A/C(2006)										
		ELEC. POWER STEERING(2006)										
		4WD(2006)										
		FUEL FIRED HEATER(2006)										
		Engine(2003-05)	ENGINE DIESEL(A-ENG)			√	√	√	√			1.ENGINE TEST FUNCTION 2.INJECTION CORRECTION
			3.5L V6 GASOLINE ALL			√	√	√	√			1.IDLE RPM ADJUST MODE
			2.4L GASOLINE UNLEAD				√	√	√	√		
			2.4L GASOLINE LEAD				√	√	√	√		
		AT(2003-04)	AUTO.TRANSAXLE(4 GEARS)			√	√	√	√			
			AUTO.TRANSAXLE(5 GEARS)		√	√	√	√	√			
		ABS(2003-04)			√	√	√	√	√	√		
		SRS(2003-04)			√	√	√	√				
	ELEC. POWER STEERING(2003-04)			√	√	√	√					

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions								
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else	
		IMMBILIZER	2003~2006				√				01.PASSWORD TEACHING/CHANGING 02.TEACHING 03.NEUTRAL MODE 04.LIMP HOME MODE	
			2007~2008				√				01.SMARTRA NEUTRAL 02.PASSWORD TEACHING/CHANGING 03.TEACHING 04.NEUTRAL MODE 05.LIMP HOME MODE	
		4WD(2003-04)		√	√							
		FUEL FIRED HEATER(2003-04)		√	√	√	√					
		Engine(2009)	GASOLINE EOBD	√	√	√	√	√				1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING
			GASOLINE EOBD KWP	√	√	√	√	√				1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING
			GASOLINE GEN	√	√	√	√	√				1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING
GASOLINE GEN KWP	√		√	√	√	√				1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING		
GASOLINE LEAD	√		√	√	√	√				1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING		
GASOLINE LEAD KWP	√		√	√	√	√				1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING		
AT(2009)	GASOLINE	√	√	√	√	√						
	GASOLINE KWP		√	√	√	√						

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
		ABS(2009)		√	√	√	√	√			
		SRS(2009)		√	√	√	√				
		IMMBILIZER	2004~2005				√				01.PASSWORD TEACHING/CHANGING
			2007~2009				√				01.SMARTRA NEUTRAL 02.PASSWORD TEACHING/CHANGING 03.TEACHING 04.NEUTRAL MODE 05.LIMP HOME MODE
		BCM(2009)	BODY CONTROL MODULE	√	√	√	√	√			
			DRIVER POWER WINDOW		√	√	√	√			
			PASSENGER POWER WINDOW		√	√	√	√			
			DRIVER POWER SEAT		√	√	√	√			
			TILT & TELESCOPE		√	√	√	√			
		SMART KEY SYSTEM(2009)	SMART KEY UNIT	√	√	√	√	√			
			PDM DIAGNOSTIC MODE		√	√	√	√	√		
		PERSONAL ID. CARD(2009)	INTERFACE UNIT(IFU)	√	√	√	√	√			
			SMART KEY UNIT(PIC)		√	√	√	√	√		
		FULL AUTOA/C(2009)		√	√	√	√	√			

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
	OPIRUS	ELEC. POWER STEERING(2009)		√	√	√	√				
		ELEC. CONTROL SUSPENTION(2009)		√	√	√	√	√			
		AHLS(2009)		√	√	√	√				
		ENGINE CONTROL (2007~2008)			√	√					1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING
		Engine(2004~2005)	3.5L V6 EOBD		√	√	√	√			
			3.5L V6 GEN		√	√	√	√			
			2.7L		√	√					
			2007		√	√					
		AT	(2004~2005)		√	√	√	√			
			2007		√	√					
		ABS/TCS/ESP (2004~2007)			√	√	√	√			
		SRS	(2004~2005)		√	√	√				
			2007		√	√					
		BODY CONTROL	BODY CONTROL MODULE	√	√	√	√	√			
	DRIVER POWER WINDOW			√	√	√	√				

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
		MODULE(2004~2007)	PASSENGER POWER WINDOW		√	√	√	√			
			DRIVER POWER SEAT		√	√	√	√			
			TILT & TELESCOPE		√	√	√	√			
			DIAGNOSE ECM TOTALY		√						
		A/C			√	√	√	√			
		ELEC. POWER STEERING			√	√					
		ELEC. CONTROL SUSPENSION			√	√					
		AHLS		√	√	√	√				
	SMART KEY	IFU	√			√	√				
	SPECTRA	Engine(All Year)	Eng. 1.5L/1.6(Non Immo)		√	√	√				
			Eng. 1.5L/1.6(W/Immo)		√	√	√				
			Eng. 1.5L/1.6 Lead		√	√	√				
		AT(All Year)			√	√	√				
		ABS(All Year)			√	√	√	√			
		SRS(All Year)			√	√					
Engine(All Year)		CREDOS 1.8 DOHC ENG		√	√	√	√				
		CREDOS 2.0 SOHC ENG		√	√	√	√				
		CREDOS 2.0 DOHC ENG		√	√	√	√				
		CREDOS 1.8 LPG ENG		√	√	√	√				
		CREDOS 2.0 LPG ENG		√	√	√	√				

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
CREDOS			CREDOS II 1.8 DOHC ENG		√	√	√	√			
			CREDOS II 2.0 SOHC ENG		√	√	√	√			
			CREDOS II 2.0 DOHC ENG		√	√	√	√			
			CREDOS II V6 ENG		√	√	√				
		AT(All Year)	CREDOS 1.8 LPG AT								
			CREDOS 2.0 LPG AT								
			CREDOS II 1.8 DOHC AT		√	√	√				
			CREDOS II 2.0 SOHC AT		√	√	√				
			CREDOS II 2.0 DOHC AT		√	√	√				
			CREDOS II V6 AT		√	√	√				
		SRS(All Year)	CREDOS 1.8 DOHC SRS		√	√	√				
			CREDOS 2.0 SOHC SRS		√	√	√				
			CREDOS 2.0 DOHC SRS		√	√	√				
	CREDOS II 1.8 DOHC SRS			√	√	√					
	CREDOS II 2.0 SOHC SRS			√	√	√					
	CREDOS II 2.0 DOHC SRS			√	√	√					
	CREDOS II V6 SRS			√	√	√					
	CARSTAR	Engine(All Year)	CARSTAR FBM(LPG) ENG		√	√	√				
		ABS(All Year)	CARSTAR DOHC ABS		√	√	√	√			
			CARSTAR FBM(LPG) ABS		√	√	√	√			
		SRS(All Year)	CARSTAR DOHC SRS		√	√	√				
CARSTAR FBM(LPG) SRS				√	√	√					
	Engine(2008)	J2.9 WGT C/RAIL	√	√	√	√				1.ECU INITIALIZATION	

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
	K2500	TCU 2.9 WGT(2008)		√	√	√	√				
		IMMBILIZER(2008)				√				01.SMARTRA NEUTRAL 02.PASSWORD TEACHING/CHANGING 03.TEACHING 04.NEUTRAL MODE 05.LIMP HOME MODE	
		Engine(2007)	2.5L Diesel Eng. (4D56 TCI)		√	√	√	√			
		Engine(2006)	2.5L Diesel Eng. (4D56 TCI)		√	√	√	√			
		Engine(2004~2005)	2.5L Diesel Eng. (4D56 TCI)		√	√	√	√			
		Engine(2003)	2.5L Diesel Eng. (4D56 TCI)		√	√	√	√			
		Engine(2002)	2.5L Diesel Eng. (4D56 TCI)		√	√	√	√			
			Engine(2008)	1.1L VGT DIESEL CAN	√	√	√	√	√		1.ENGINE TEST FUNCTION 2.INJECTION CORRECTION
				1.0L/1.1L EOBD CAN	√	√	√	√	√		
				1.0L/1.1L EOBD KWP	√	√	√	√	√		
				1.0L/1.1L GEN CAN	√	√	√	√	√		
				1.0L/1.1L GEN KWP	√	√	√	√	√		
				1.0L/1.1L LEAD CAN	√	√	√	√	√		

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
			1.0L/1.1L LEAD KWP	√	√	√	√	√			1.IDLE CO ADJUSTMENT
		AT(2008)	GASOLINE	√	√	√	√	√			1.RESETTING ADAPTIVE VALUES
			DIESEL	√	√	√	√	√			1.RESETTING ADAPTIVE VALUES
		ABS/ESP(2008)		√	√	√	√	√	√		
		FULL AUTO A/C(2008)		√	√	√	√	√			
		IMMOBILIZER	2008				√				01.SMARTRA NEUTRAL 02.PASSWORD TEACHING/CHANGING 03.TEACHING 04.NEUTRAL MODE 05.LIMP HOME MODE
		SRS(2008)		√	√	√	√				
		ELEC. POWER STEERING(2008)		√	√	√	√				
		Engine(2006~2007)	1.1L VGT DIESEL CAN		√	√					1.ENGINE TEST FUNCTION 2.INJECTION CORRECTION
			1.1L VGT DIESEL KWP			√	√				
		AT(2006~2007)	GASOLINE		√	√	√				
			DIESEL			√	√				
		ABS(2006~2007)		√	√	√	√	√	√		
		SRS(2006~2007)		√	√	√				√	

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions								
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else	
		ELEC. POWER STEERING(2006~2007)			√	√						1.EPS TYPE RECOGNITION
		Engine(2004~2005)	1.0L/1.1L SOHC EOBD		√	√	√					
			1.0L/1.1L SOHC GEN		√	√	√					
			1.0L/1.1L SOHC Lead		√	√	√					1.IDLE CO ADJUSTMENT
		AT(2004~2005)			√	√	√					
		IMMOBILIZER	2004~2007				√					01.SMARTRA NEUTRAL 02.PASSWORD TEACHING/CHANGING 03.TEACHING 04.NEUTRAL MODE 05.LIMP HOME MODE
		ABS(2004~2005)		√	√	√	√	√	√			
		SRS(2004~2005)		√	√	√					√	
		Engine(2007~2008)	UNLEAD 2.0L GEN	√	√	√	√	√				1.RESETTING ADAPTIVE VALUES
			UNLEAD 2.0L EOBD	√	√	√	√	√				1.RESETTING ADAPTIVE VALUES
			LEAD 2.0L ALL	√	√	√	√	√				1.RESETTING ADAPTIVE VALUES
			LEAD 1.6L GEN	√	√	√	√	√				1.RESETTING ADAPTIVE VALUES
			LEAD 1.6L EOBD	√	√	√	√	√				1.RESETTING ADAPTIVE VALUES
			LEAD 1.6L ALL	√	√	√	√	√				1.RESETTING ADAPTIVE VALUES
			DIESEL VGT		√	√	√	√	√			
			1.6 GASOLINE	√	√	√	√	√				

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions								
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else	
CERATO (SPECTRA)		AT(2007~2008)	2.0 GASOLINE	√	√	√	√	√				
			1.6 DIESEL	√	√	√	√	√				
		ABS(2007~2008)		√	√	√	√	√	√			
		SRS(2007~2008)			√	√	√					
		AC(2007~2008)		√	√	√	√	√				
		Engine(2004~2005)	2.0L/1.6L GASOLINE			√	√					
			1.6L DIESEL(VGT) EURO-4			√	√					
			2.0L Diesel Eng. All	√	√	√	√	√				1.ENGINE TEST FUNCTION
			1.6L DOHC EOBD	√	√	√	√	√				
			1.6L DOHC general	√	√	√	√	√				
			1.6L DOHC lead-content	√	√	√	√	√				1.IDLE CO ADJUSTMENT
			2.0L DOHC (+CVVT) EOBD	√	√	√	√	√				1.RESTTING ADAPTIVE VALUES 2.VERSION CONFIGURATION
			2.0L DOHC (-CVVT) EOBD	√	√	√	√	√				1.RESTTING ADAPTIVE VALUES 2.VERSION CONFIGURATION
			2.0L DOHC (+CVVT) general	√	√	√	√	√				1.RESTTING ADAPTIVE VALUES 2.VERSION CONFIGURATION
			2.0L DOHC (-CVVT) general	√	√	√	√	√				1.RESTTING ADAPTIVE VALUES 2.VERSION CONFIGURATION
			2.0L DOHC (+CVVT) lead-content	√	√	√	√	√				1.RESTTING ADAPTIVE VALUES 2.VERSION CONFIGURATION
			2.0L DOHC (-CVVT) lead-content	√	√	√	√	√				1.RESTTING ADAPTIVE VALUES 2.VERSION CONFIGURATION
		Engine(2005)	1.5L DIESEL ALL	√	√	√	√	√				1.ENGINE TEST FUNCTION 2.INJECTION CORRECTION

KIA V41.90 Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
		AT(2004~2007)	1.6LDOHC ALL		√	√	√	√			
			2.0LDOHC ALL		√	√	√	√			
		ABS(2004~2007)		√	√	√	√	√			
		SRS(2004~2007)		√	√	√			√		
		IMMOBILIZER	2004~2008				√			01.SMARTRA NEUTRAL 02.PASSWORD TEACHING/CHANGING 03.TEACHING 04.NEUTRAL MODE 05.LIMP HOME MODE	
		A/C(2007)			√	√					
		Engine(2007)	BETA 2.0L	√	√	√	√	√			1.RESTTING ADAPTIVE VALUES
			GAMMA 1.4L/1.6L	√	√	√	√	√			1.RESTTING ADAPTIVE VALUES
			U 1.6L DIESEL (- CPF)	√	√	√	√	√			1.ENGINE TEST FUNCTION 2.INJECTION CORRECTION
			U 1.6L DIESEL (+ CPF)	√	√	√	√	√			1.CPF SERVICE REGENERATION 2.INJECTOR CORRECTION 3.COMPONENT CHANGE ROUTINE 4.ENGINE TEST FUNCTION
			2.0L DIESEL(CAN) EURO-4	√	√	√	√	√			1.CPF SERVICE REGENERATION 2.INJECTOR CORRECTION 3.COMPONENT CHANGE ROUTINE 4.ENGINE TEST FUNCTION
			AT(2007)	1.4/1.6 GASOLINE	√	√	√	√	√		
			2.0 GASOLINE	√	√	√	√	√			

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KIA V41.90 Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
	CEL P	ABS(2007)		√	√	√	√	√	√		1.SOLENOID VALVE TEST 2.VARIANT CODING
		SRS(2007)		√	√	√				√	
		A/C(2007)		√	√	√	√	√			
		TPMS		√	√	√	√	√			
		BODY CONTROL MODULE(2007)		√			√	√			
		IMMOBILIZER					√				01.SMARTRA NEUTRAL 02.PASSWORD TEACHING/CHANGING 03.TEACHING 04.NEUTRAL MODE 05.LIMP HOME MODE
		ELEC. POWER STEERING(2007)		√	√	√	√				
	ENGINE CONTROL	UNLEAD 1.6L GEN		√	√	√	√	√			1、 RESETTING ADAPTIVE VALUES
		UNLEAD 1.6L EOBD		√	√	√	√	√			1、 RESETTING ADAPTIVE VALUES
		LEAD 1.6L ALL		√	√	√	√	√			1、 RESETTING ADAPTIVE VALUES 2、 IDLE CO ADJUSTMENT
		2.0L CVVT EOBD		√	√	√	√	√			1、 RESETTING ADAPTIVE VALUES
		2.0L CVVT GEN		√	√	√	√	√			1、 RESETTING ADAPTIVE VALUES

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
	SOUL(2009)		2.0L CVVT LEAD	√	√	√	√	√			1、 RESETTING ADAPTIVE VALUES 2、 IDLE CO ADJUSTMENT
			1.6L VGT EURO5 CPF-	√	√	√	√	√			1、 INJECTION CORRECTION
			1.6L VGT EURO5 CPF+	√	√	√	√	√			1、 INJECTION CORRECTION
		AT	GAMMA 1.6/U2 1.6 CAN	√	√	√	√	√			1、 RESETTING AUTO T/A VALUES
			BETA GASOLINE 2.0 CAN	√	√	√	√	√			1、 RESETTING AUTO T/A VALUES
		ABS/ESP		√	√	√	√	√	√		1、 SAS SENSOR ZERO SETTING
		SRS									
		BCM									
		EPS									
		IMMOBILIZER					√				02.PASSWORD TEACHING/CHANGING 03.TEACHING 04.IMMOBILIZER RESET 05.LIMP HOME MODE 06.SMARTRA NEUTRAL
	ENGINE (2008)	UNLEAD 3.8L EOBD	√	√	√	√	√				1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING
		UNLEAD 3.8L GEN	√	√	√	√	√				1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING
LEAD 3.8L ALL		√	√	√	√	√				1.PCM AUTO DETECTION RESET 2.PCM LOCK(MEC) SETTING	
UNLEAD 4.6L EOBD		√	√	√	√					1.RESETTING ADAPTIVE VALUES	

KIA V41.90 Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
			3.0L VGT EURO4 DIESEL	√	√	√	√	√			1.INJECTOR CORRECTION 2.COMPONENT CHANGE ROUTINE 3.ENGINE TEST FUNCTION
		AT(2008)	TCU 3.8L	√	√	√	√	√			
			ZF TCU	√	√	√	√	√			
		ABS(2008)		√	√	√	√	√	√		1.STEERING ANGLE SENSOR 2.VARIANT CODING
		IMMOBILIZER					√				01.SMARTRA NEUTRAL 02.PASSWORD TEACHING/CHANGING 03.TEACHING 04.NEUTRAL MODE 05.LIMP HOME MODE
		SRS- AIRBAG(2008)		√	√	√					1.PASS.AIRBAG REALTIME INFO. 2.CRASHING INFORMATION
		ELEC.POWER STEERING(2008)		√	√	√	√				
		IN PANEL MODULE(2008)	IPM	√	√	√	√	√			
			FAM	√	√	√	√	√			
			RAM	√	√	√	√	√			
			DDM	√	√	√	√	√			
			ADM	√	√	√	√	√	√		

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KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
YONIS		ELEC.CONTROL SUSPENTION(2008)		√	√	√	√	√			
		4WD(2008)	TOD(EPS)	√	√	√	√				
			TOD(ABS)	√	√	√	√				
			4WD(EST-MANUAL)	√	√	√	√				
		IMMOBILIZER				√					
		FULL AUTOAIR		√	√	√	√	√			
	SMART KEY SYSTEM(2008)	SMART KEY UNIT	√	√	√	√	√				
		PDM DIAGNOSTIC MODE	√	√	√	√	√				
	YONIS	ENG(2007~2008)	GAMMA 1.4L/1.6L	√	√	√	√	√			
		AT(2007~2008)	1.4/1.6L GASOLINE	√	√	√	√	√			
		AC(2007~2008)		√	√	√	√				
		EPS(2007~2008)		√	√	√	√				
	SORENTO R(XM)	ENG(2009)	2.4 THETA 2	√	√	√	√	√			
			3.5 LAMDA 2	√	√	√	√	√			
AT			√	√	√	√	√				
ABS				√	√	√	√				
AC			√	√	√	√	√				
EPS			√	√	√	√					
SRS			√	√	√	√					
BCM			√	√	√	√	√				

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
		SMART KEY SYSTEM	SMART KEY UNIT	√	√	√	√	√			
			PDM(POWER DISTRIBUTIN)	√	√	√	√	√			
		AHLS		√	√	√	√				
		4WD			√	√	√				
		TPMS		√	√	√	√	√			
	CADENZA (VG)	ENGINE CONTROL	UNLEADED 3.5 GASOLINE	√	√	√	√	√			
			LEADED 3.5 GASOLINE	√	√	√	√	√			
		AT		√	√	√	√	√			
		ABS		√	√	√	√	√			
		SRS		√	√	√	√				
	PRIDE(~04)	Engine	NEW STYLE ENGINE SIEMENS		√	√	√				
	PRIDE(05~)	Engine	1.6 CVVT		√	√	√	√			
			1.4 DOHC		√	√	√	√			
			U 1.5L VGT DIESEL		√	√	√	√			
		AT			√	√	√	√			
		ABS		√	√	√	√	√	√		
		HYBRID	Hybrid Control(HCU)			√	√	√	√		
			Motor control(MCU)			√	√	√	√		
	Battery Control(BMS)				√	√	√	√			
	SRS		√	√	√	√					
AC		√	√	√	√	√					
FDS		√	√	√	√						

KIA V41.90 Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
		EPS	AT		√	√	√				
	VISTO	Engine	ENGINE 0.8 SOHC		√	√	√	√			
		ABS			√	√	√	√	√		
		SRS				√	√	√			
	MORNING	Engine	ENGINE 1.0 SOHC		√	√	√				
		AT		√	√	√	√	√			
		ABS		√	√	√	√	√	√		
	AVELLA	SRS		√	√	√				√	
		AT			√	√					
		ABS				√	√	√			
	RIO	Engine	ENGINE 1.3/1.5 SIEMENS		√	√	√				
		AT				√	√	√			
		ABS				√	√	√	√		
		SRS				√	√				
	RIO SF	Engine	ENGINE 1.3/1.5 SIEMENS		√	√	√				
		AT				√	√	√			
		ABS			√	√	√	√	√	√	
		SRS				√	√				
	ELAN	Engine	ENGINE 1.8 DOHC BOSCH		√	√	√	√			
		SRS				√	√				
	SEPHIA	AT			√	√					
		SRS				√	√				
			ENGINE 1.5 SOHC SIEMENS		√	√	√				

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
	SEPHIA II	Engine	ENGINE 1.5 DOHC BOSCH		√	√	√				
			ENGINE 1.8 BOSCH		√	√	√				
		AT			√	√	√				
		ABS			√	√	√	√			
		SRS			√	√					
	SPECTRA(WING)	Engine	ENGINE 1.8 BOSCH		√	√	√				
			ENGINE 1.5 BOSCH		√	√	√				
		AT			√	√	√				
		ABS			√	√	√	√			
		SRS			√	√					
	SHUMA	Engine	ENGINE 1.5 SOHC SIEMENS		√	√	√				
			ENGINE 1.5 DOHC BOSCH		√	√	√				
			ENGINE 1.8 BOSCH		√	√	√				
		AT			√	√	√				
		ABS			√	√	√	√			
		SRS			√	√					
	CERATO	Engine	ENGINE 2.0 CVVT SIEMENS	√	√	√	√				
			Diesel ENG. 1.6LVGT	√	√	√	√				
Engine 1.5/1.6 CVVT			√	√	√	√					
Engine 2.0L(MT)			√	√	√	√					
Engine 2.0L(AT)			√	√	√	√					
1.5 IMPROVED TYPE (INTEGRATION)				√	√	√	√				

KIA V41.90 Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions								
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else	
	CERATO	AT	1.6 L(new)	√	√	√	√					
			2.0 L(new)	√	√	√	√					
			Diesel	√	√	√	√					
		ABS		√	√	√	√	√				
		SRS	F/L new	√	√	√	√					
			SRS old	√	√	√	√					
		AC		√	√	√	√	√				
		CARENS	Engine(2006-)	LPI(EMS ECU)	√	√	√	√	√			
				LPI(IFB ECU)	√	√	√	√	√			
				DIESEL	√	√	√	√	√			
	AT(2006-)		LPI	√	√	√	√	√				
			DIESEL	√	√	√	√	√				
	ABS(2006-)				√	√	√	√				
	SRS(2006-)			√	√	√	√					
	A/C(2006-)			√	√	√	√	√				
	BODY CONTROL MODULE(2006-)			√			√	√				
	Engine		ENGINE 1.8 BOSCH			√	√	√				
		ENGINE 1.8 LPG MODERN AUTONET			√	√	√	√				
		ENGINE 2.0 LPG MODERN AUTONET			√	√	√	√				
	AT				√	√	√					

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
		ABS			√	√	√	√			
		SRS			√	√					
CARENS II	Engine	ENGINE 1.8 LPG MODERN AUTONET		√	√	√	√				
		ENGINE 2.0 LPG MODERN AUTONET		√	√	√	√				
		ENGINE 1.8		√	√	√					
		ENGINE 2.0 CVVT SIEMENS		√	√	√	√				
	AT	1.8LPG/1.8 GASOLINE		√	√	√					
		2.0LPG/2.0 GASOLINE		√	√	√	√				
	ABS		√	√	√	√	√	√			
SRS		√	√	√	√						
CREDOS	Engine	ENGINE 1.8 DOHC BOSCH		√	√	√	√				
		ENGINE 2.0 SOHC BOSCH		√	√	√	√				
		ENGINE 2.0 DOHC BOSCH		√	√	√	√				
	SRS			√	√	√					
CREDOS II	Engine	ENGINE 1.8 DOHC BOSCH		√	√	√	√				
		ENGINE 2.0 SOHC BOSCH		√	√	√	√				
		ENGINE 2.0 DOHC BOSCH		√	√	√	√				
	SRS			√	√	√					
		ENGINE 1.8/2.0 MELCO		√	√	√	√				
		ENGINE 1.8 DOHC SIEMENS	√	√	√	√	√				
		ENGINE 2.5 V6 SIEMENS		√	√	√	√				

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
Korea	OPTIMA	Engine	ENGINE 2.0 LPG SIRIUS ENGINE	√	√	√	√	√			
			ENGINE 2.0 LPG BETA ENGINE	√	√	√	√	√			
		AT	1.8/2.0/2.5 ALL		√	√	√	√			
			CVT	√	√	√	√	√			
		ABS	MANDO TYPE		√	√	√	√			
			BOSCH TYPE		√	√	√	√			
	SRS			√	√	√					
	OPTIMA (REGAL)	Engine	ENGINE 1.8 DOHC SIEMENS	√	√	√	√	√			
			ENGINE 2.0 DOHC MELCO		√	√	√	√			
			ENGINE 2.5 V6 SIEMENS		√	√	√	√			
			ENGINE 2.0 LPG BETA ENGINE	√	√	√	√	√			
		AT	2.0		√	√	√	√			
			1.8/2.5 SIEMENS	√	√	√	√	√			
			CVT	√	√	√	√	√			
		ABS	BOSCH TYPE		√	√	√	√			
	SRS		√	√	√	√					

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions								
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else	
	SPORTAGE (-97)	Engine	ENGINE 2.0 BOSCH		√	√	√	√				
	SPORTAGE (98-03)	Engine	ENGINE 2.0 BOSCH		√	√	√					
		AT			√	√	√					
		ABS				√	√	√	√	√		
	SPORTAGE (04-)	Engine	2.0 WGT EURO 3 DIESEL	√	√	√	√	√				
			2.0L CVVT SIEMENS	√	√	√	√	√				
			DIESEL		√	√	√	√				
		AT	2.0L DIESEL MELCO	√	√	√	√	√				
			2.0L DIESEL BOSCH	√	√	√	√	√				
			2.0L CVVT SIEMENS	√	√	√	√	√				
		ABS/TCS/ESP			√	√	√	√	√	√		
		A/C			√	√	√	√	√			
		4WD			√	√	√					
			WIPER SENSOR(VALID)	√			√	√				
	WIPER SENSOR(INVALID)		√			√	√					
	Engine	2.5L CRDI DIESEL WGT(~03)			√	√	√	√				
		2.5L CRDI DIESEL WGT(04~)				√	√	√	√			
		2.5L CRDI DIESEL WGT(05~)				√	√	√	√			
		3.5 GASOLINE				√	√	√	√			
		2.5L DIESEL(EURO3) CAN			√	√	√	√	√			

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
	SORENTO		2.5L DIESEL(EURO3) KWP		√	√	√	√			
		AT	Automatic transmission(4S)		√	√	√	√			
		ABS		√	√	√	√	√	√		
		SRS		√	√	√	√				
		ELEC. POWER STEERING		√	√	√	√				
		4WD	4WD(TOD-AUTO)		√	√					
		FUEL FIRED HEATER			√	√	√	√			
	CARNIVAL/ CARNIVAL II	Engine	ENGINE 3.0 DIESEL		√	√					
			ENGINE 2.5 LPG		√	√	√	√			
		AT			√	√	√	√			
		ABS			√	√	√	√	√		
		SRS			√	√					
	GRAND	Engine	KJ 2.9 CRDI WGT DIESEL		√	√	√	√			
			KJ 2.9 CRDI VGT DIESEL	√	√	√	√	√			
			2.7 LPI(EMS ECU)	√	√	√	√	√			
			2.7 LPI(IFB ECU)	√	√	√	√	√			
			KJ 2.9 CRDI VGT DIESEL	√	√	√	√	√			

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions								
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else	
	ENTERPRISE		ENGINE 2.5 V6 BOSCH(00MY~)		√	√	√					
		AT			√	√						
		ABS	ABS 5		√	√	√					
			ABS/ASR 5(TCS INCLUDED)		√	√	√					
	SRS			√	√							
	OPIRUS	Engine		ENGINE 3.0/3.5 ETS MELCO		√	√	√	√			
				2.7L		√	√					
				F/L new	√	√	√	√				
				Old Lamda		√	√	√	√			
				LPI(EMS ECU)redo car	√	√	√	√				
				LPI(EMS ECU) delta	√	√	√	√	√			
				LPI(EMS ECU)	√	√	√	√				
		AT	Old Lamda	√	√	√	√	√				
			2.7/3.0/3.5 TCU		√	√	√	√				
		ABS			√	√	√	√				
SRS				√	√	√						

KIA V41.90 Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions								
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else	
		A/C			√	√	√	√				
		ELEC. POWER STEERING			√	√						
		ELEC. CONTROL SUSPENSION			√	√						
		AHLS		√	√	√	√					
		SMART KEY	INTERBASE UNIT (IFU)	√			√	√				
	LOTZE	Engine	1.8/2.0 & 2.4+ET			√	√	√	√			
			LPI (EMS ECU)			√	√	√	√			
			LPI (IFB ECU)			√	√	√	√			
		AT	1.8/2.0 & 2.4+ET			√	√	√	√			
			Diesel CAN BUS			√	√	√	√			
		ABS				√	√	√	√			
	SRS				√	√				√		
	BONGO III	Engine	2.5 (TCI)		√	√	√	√	√			
			2.9 (COMMON RAIL)		√	√	√	√	√			
		AT			√	√	√	√				
		ABS			√	√	√	√	√			
	RIO	2003-2005	ENG			√	√	√				
			AT			√	√	√				
			ABS		√	√	√	√	√			
			SRS			√	√					

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
		2001-2002	ENG		√	√	√				
			AT		√	√	√				
			ABS		√	√	√	√			
			SRS		√	√					
	SPECTRA	2007-2008	ENG	√	√	√	√	√			
			AT	√	√	√	√	√			
			ABS	√	√	√	√	√			
			AC	√	√	√	√	√			
			SRS	√	√	√	√				
		2006MY	ENGINE CONTROL	√	√	√	√	√			
			AUTOMATIC TRANSAXLE	√	√	√	√	√			
			BRAKE SYS(ABS/TCS)	√	√	√	√	√			
			SRS-AIRBAG	√	√	√	√				
	RONDO	2009MY	ENG	√	√	√	√	√			
			AT	√	√	√	√	√			
			ABS	√	√	√	√	√			
	OPTIMA	2009MY	ENG_2.4L(SIEMENS SYS)	√	√	√	√	√			
			ENG_01.2.7(DELPHI SYS)	√	√	√	√	√			
			AT_2.4L(SIEMENS SYS)	√	√	√	√	√			
			AT_01.2.7(DELPHI SYS)	√	√	√	√	√			
			BRAKE SYS(ABS/TCS/ESP)	√	√	√	√	√			
SRS-AIRBAG			√	√	√	√					
FULL AUTO AIR/CON.			√	√	√	√	√				

KIA V41.90 Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
			BODY CONTROL MODULE	√			√	√			
	FORTE (2009)	ENG	01.2.0L(SIEMENS SYS)	√	√	√	√	√			
			02.2.4L(SIEMENS SYS)	√	√	√	√	√			
		AT	01.BETA GASOLINE 2.0 CAN	√	√	√	√	√			
		ABS			√	√	√	√			
		SRS	01.AIRBAG CONTROL UNIT	√	√	√	√				
			02.WEIGHT CLASSIFICATION SYS	√	√	√	√				
		EPS		√	√	√	√				
	AC		√	√	√	√	√				
	SORENTO (2008)	ENG	3.3L/3.8L(DELPHI SYS)	√	√	√	√	√			
		AT		√	√	√	√	√			
		ABS		√	√	√	√	√			
		AC		√	√	√	√	√			
		SRS		√	√	√	√				
		EPS		√	√	√	√				
		4WD		√	√	√					
		BCM		√			√	√			
	SMART KEY SYSTEM	SMART KEY UNIT	√	√	√	√	√				
	AMANTI (2009)	ENG	3.8L(DELPHI SYS)	√	√	√	√	√			
		AT		√	√	√	√	√			
		ABS		√	√	√	√	√			
		AC		√	√	√	√	√			

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
USA Area	(2005)	SRS		√	√	√	√				
		EPS		√	√	√	√				
		BCM	01.BODY CONTROL MODULE	√	√	√	√	√			
	BORREGO (2008)	ENG	01. 4.6L(BOSCH SYS)	√	√	√	√	√			
			02. 3.3L/3.8L(DELPHI SYS)	√	√	√	√	√			
		AT	01. AUTOMATIC TRANSAXLE(ZF)	√	√	√	√	√			
		ABS			√	√	√	√			
		AC		√	√	√					
		SRS		√	√	√	√				
		4WD	01.TOD(ESP)	√	√	√	√				
			02.TOD(ABS)	√	√	√	√				
			03.4WD(EST-MANUAL)	√	√	√	√				
		IN PANEL MODULE	01. IPM	√	√	√	√	√			
			02. FAM	√	√	√	√	√			
			03. RAM	√	√	√	√	√			
			04. DDM	√	√	√	√	√			
			05. ADM	√	√	√	√	√			
			06. IMS		√	√	√	√			
			07. SCM		√	√	√	√			
		ENGINE	01.2.7L V6 SIEMENS	√	√	√	√	√			
	02.2.0 GASOLINE(SIEMENS)		√	√	√	√	√				
	AT		√	√	√	√	√				
	ABS	01.ABS/TCS/ESP	√	√	√	√	√				

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
	SPORTAGE (2008)	ABS	02.ABS(MANDO)	√	√	√	√	√			
		SRS		√	√	√	√				
		AC		√	√	√	√	√			
		4WD			√	√					
		BODY ELECTRIC. SYS(ETACS)		√			√	√			
	SEDONA (2008)	ENGINE	01.3.8L(DELPHI SYS)	√	√	√	√	√	√		
		AT	01.3.8L(DELPHI SYS)	√	√	√	√	√			
		ABS		√	√	√	√	√			
		SRS	01.AIRBAG CONTROL UNIT(ACU)	√	√	√					
			02.WEIGHT CLASSIFICATION SYS	√	√	√	√				
		AC		√	√	√	√	√			
		POWER SLIDING / TAIL GATE	01.POWER SLIDING-LH	√	√	√	√				
			02.POWER SLIDING-RH	√	√	√	√				
			03.POWER TAIL GATE	√	√	√	√				
		BODY NETWORK SYSTEM	01.IN PANEL MODULE		√	√	√	√			
02.FRONT AREA MODULE			√	√	√	√					
03.REAR AREA MODULE			√	√	√	√					
04.DRIVER DOOR MODULE			√	√	√	√					
05.ASSIST DOOR MODULE			√	√	√	√					

KIA V41.90Diagnostics List (Note:For reference only)

Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
			06.INTEGRATED MEMORY SEAT		√	√	√	√			
SORENTO R(XM) (2009)		ENG	2.4 THETA 2	√	√	√	√	√			
			3.5 LAMDA 2	√	√	√	√	√			
		AT		√	√	√	√	√			
		ABS			√	√	√	√			
		AC		√	√	√	√	√			
		EPS		√	√	√	√				
		SRS	01.AIRBAG CONTROL UNIT[ACU]	√	√	√	√				
			02.WEIGHT CLASSIFICATION SYS		√	√		√			
		BCM		√	√	√	√	√			
		SMART KEY SYSTEM	SMART KEY UNIT	√	√	√	√	√			
			PDM(POWER DISTRIBUTIN)	√	√	√	√	√			
		AHLS		√	√	√	√				
		4WD			√	√	√				
TPMS		√	√	√	√	√					

(*):Tested;

(?):Manual on website(www.x431.com)

The final interpretation of the products belongs to LAUNCH TECH CO.,LTD.

CONNECTOR	X431	DIAGUN
SMART OBD	Use for the cars of 16-PIN Diagnostic socket	N/A
KIA-20	Use for the cars of 20PIN Diagnostic socket	Use for the cars of 20PIN Diagnostic socket
OBD 16C	N/A	N/A
CANBUS II	Use for the cars of 16-PIN Diagnostic socket	N/A
diagun connector	N/A	Use for the cars of 16-PIN Diagnostic socket
SUPER 16	Use for the cars of 16-PIN Diagnostic socket	N/A