

KIA V41.80Diagnostics 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	
		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

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				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
RIO		Engine(2000-06)	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	SRS (2007-08)	√	√	√					
			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

KIA V41.80Diagnostics 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)		√	√	√	√				
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)		√	√					
			1.5/1.6L ENG(ATM) AFM1 (before 1998)		√	√					
			1.5 GASOLINE MAP (1998-2004)		√	√	√				
		AT before 1998		√	√						
		ABS(1998-2004)		√	√	√	√				
		SRS(before 1998-2004)		√	√						
				1.6L DOHC NON IMMO (2001-04)		√	√	√			

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Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
	SHUMA	Engine	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
			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	

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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)(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
			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)		√	√	√						

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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		1.8L DOHC W/IMMO (2003-05)		√	√	√					
			1.8L DOHC EURO-IV (2003-05)		√	√	√					
			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

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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	DLC CABLE 16 (2003-05)	√	√	√				√			
			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
2.0L DIESEL(CAN) EURO-4(06)					√	√					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(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
			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)		√	√	√					

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Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
			GASOLINE/DIESEL (2000)		√	√	√				
			UNLEAD(AUS) (2000)		√	√	√				
			before 1998		√	√					
		ABS	ABS/TCS/ESP (2007-2008)	√	√	√	√	√	√		
			ABS/TCS/ESP (2004-2006)	√	√	√	√	√	√		
			ABS GASOLINE (2001-03)		√	√	√	√	√		
			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				√				01.SMARTRA NEUTRAL 02.PASSWORD TEACHING/CHANGING 03.TEACHING 04.NEUTRAL MODE 05.LIMP HOME MODE
		BCM	(2007-2008)	√			√	√			
Engine	1.8L GASOLINE (before 1998-2000)		√	√	√	√					

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Areas	Vehicle	System	Sub System	Functions							
				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
	CLARUS	Engine	2.0L GASOLINE (before 1998-2000)		√	√	√	√			
		AT	(1998-2000)		√	√	√				
			before 1998		√	√					
		ABS(1998-2000)		√	√	√	√				
	SRS(up to 2000)		√	√							
	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	√	√	√	√	√					

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				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else	
			04. 2.7L CVVT	√	√	√	√	√				
		ABS/ESP		√	√	√	√	√	√			
		SRS-AIRBAG		√	√	√						
		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				√	√	√	√				
	Optima 2007~2008	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)	√	√	√	√	√	
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
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

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				System Info.	Read Dtc	Clear Dtc	Data stream	Actuation	Air bleed	Impact Info.	Else
			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)	√	√	√	√	√			
			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

**OPTIMA
(MAGENTIS
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KIA V41.80Diagnostics 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(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	
		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			√	√	√						

KIA V41.80Diagnostics 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
	ENTERPRIS E	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
			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	√	√	√	√						

KIA V41.80Diagnostics 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			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				√				
			Engine(2006)	2.7/3.8L GASOLINE		√	√	√			
		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		√	√					

KIA V41.80Diagnostics 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	CARNIVAL (SEDONA)	BODY CONTROL MODULE(2006)	IN PANEL MODULE		√	√						
			FRONT AREA MODULE		√	√						
			REAR AREA MODULE		√	√						
			DRIVER DOOR MODULE		√	√						
			ASSIST DOOR MODULE		√	√						
			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)		√	√						
			3.5L GASOLINE M/EAST (2003-04)		√	√	√	√				
			GASOLINE (2002-04)		√	√	√	√				
			DIESEL (2002-04)		√	√	√	√				

KIA V41.80Diagnostics 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	TCU(GENERAL) GAS (1998-2001)		√	√	√	√				
			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				√				01.SMARTRA NEUTRAL 02.PASSWORD TEACHING/CHANGING 03.TEACHING 04.NEUTRAL MODE 05.LIMP HOME MODE	
					(2002-2004)		√	√				

KIA V41.80Diagnostics 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	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	√	√	√	√	√					
		2.5 DIESEL EURO-3	√	√	√	√	√				1.INJECTOR CORRECTION 2.ENGINE TEST FUNCTION	
	AT(2007-2008)	GASOLINE(CAN) BOSCH	√	√	√	√	√					
		GASOLINE(KWP) BOSCH	√	√	√	√	√					

KIA V41.80Diagnostics 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	
		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)		√	√	√	√					
		IMMBILIZER	2003~2006				√					01.PASSWORD TEACHING/CHANGING 02.TEACHING 03.NEUTRAL MODE 04.LIMP HOME MODE
			2007~2008				√					
		4WD(2003-04)			√	√						
		FUEL FIRED HEATER(2003-04)			√	√	√	√				

KIA V41.80Diagnostics 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
		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		√	√	√	√			
		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		√	√	√	√			

KIA V41.80Diagnostics 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	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)		√	√	√	√	√			
		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)		√	√	√				

KIA V41.80Diagnostics 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	2007		√	√						
		BODY CONTROL MODULE(2004~2007)	BODY CONTROL MODULE	√	√	√	√	√				
			DRIVER POWER WINDOW		√	√	√	√				
			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)			√	√						
			CREDOS 1.8 DOHC ENG		√	√	√	√				
			CREDOS 2.0 SOHC ENG		√	√	√	√				
			CREDOS 2.0 DOHC ENG		√	√	√	√				

KIA V41.80Diagnostics 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	Engine(All Year)	CREDOS 1.8 LPG ENG		√	√	√	√				
			CREDOS 2.0 LPG ENG		√	√	√	√				
			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		√	√	√					
		CARSTAR	Engine(All Year)	CARSTAR FBM(LPG) ENG		√	√	√				
				CARSTAR DOHC ABS		√	√	√	√			
			ABS(All Year)	CARSTAR FBM(LPG) ABS		√	√	√	√			
CARSTAR DOHC SRS				√	√	√						
SRS(All Year)	CARSTAR FBM(LPG) SRS		√	√	√							
	Engine(2008)	J2.9 WGT C/RAIL	√	√	√	√				1.ECU INITIALIZATION		

KIA V41.80Diagnostics 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		√	√	√	√	√		
			1.0L/1.1L LEAD KWP		√	√	√	√	√		1.IDLE CO ADJUSTMENT
AT(2008)		GASOLINE		√	√	√	√	√		1.RESETTING ADAPTIVE VALUES	
	DIESEL		√	√	√	√	√		1.RESETTING ADAPTIVE VALUES		

KIA V41.80Diagnostics 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/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)		√	√	√	√					
	PICANTO (MORNING)	Engine(2006~2007)	1.1L VGT DIESEL CAN		√	√					1.ENGINE TEST FUNCTION 2.INJECTION CORRECTION	
			1.1L VGT DIESEL KWP		√	√					1.ENGINE TEST FUNCTION 2.INJECTION CORRECTION	
		AT(2006~2007)	GASOLINE			√	√	√				
			DIESEL			√	√					
		ABS(2006~2007)			√	√	√	√	√	√		
		SRS(2006~2007)			√	√	√				√	
		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				√	√	√			
		AT(2004~2005)				√	√	√				

KIA V41.80Diagnostics 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	
		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.ENGINE TEST FUNCTION 2.INJECTION CORRECTION
		AT(2007~2008)	1.6 GASOLINE	√	√	√	√	√				
			2.0 GASOLINE	√	√	√	√	√				
			1.6 DIESEL	√	√	√	√	√				
		ABS(2007~2008)		√	√	√	√	√		√		
		SRS(2007~2008)			√	√	√					
		AC(2007~2008)		√	√	√	√	√				
			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	√	√	√	√	√				

KIA V41.80Diagnostics 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)	Engine(2004~2005)	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	
		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)			√	√						
				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		

KIA V41.80Diagnostics 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
CEE'D		Engine(2007)	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	√	√	√	√	√			
		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)		√	√	√	√				
					UNLEAD 1.6L GEN	√	√	√	√	√	
			UNLEAD 1.6L EOBD	√	√	√	√	√			1、 RESETTING ADAPTIVE VALUES

KIA V41.80Diagnostics 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)	ENGINE CONTROL	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	
		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 V41.80Diagnostics 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	√	√	√	√	√			
		ELEC.CONTROL SUSPENTION(2008)		√	√	√	√	√			
		4WD(2008)	TOD(EPS)	√	√	√	√				
			TOD(ABS)	√	√	√	√				

KIA V41.80Diagnostics 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		
			4WD(EST-MANUAL)	√	√	√	√						
		IMMOBILIZER				√							
		FULL AUTOAIR		√	√	√	√	√					
		SMART KEY SYSTEM(2008)	SMART KEY UNIT		√	√	√	√	√				
			PDM DIAGNOSTIC MODE		√	√	√	√	√				
	YN	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			√	√	√	√	√				
		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			√	√	√	√	√					

KIA V41.80Diagnostics 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		√	√	√	√					
	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			√	√	√	√	√			
	EPS			√	√	√	√					
		AT			√	√	√					
	VISTO	Engine	ENGINE 0.8 SOHC		√	√	√	√				
		ABS				√	√	√	√			
		SRS				√	√	√				
	MORNING	Engine	ENGINE 1.0 SOHC			√	√	√				
		AT			√	√	√	√	√			
		ABS			√	√	√	√	√	√		
		SRS		√	√	√				√		
	AVELLA	AT				√	√					
		ABS					√	√	√			
		Engine	ENGINE 1.3/1.5 SIEMENS			√	√	√				

KIA V41.80Diagnostics 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	
	RIO	AT			√	√	√					
		ABS			√	√	√	√				
		SRS				√	√					
	RIO SF	Engine	ENGINE 1.3/1.5 SIEMENS			√	√	√				
		AT				√	√	√				
		ABS		√		√	√	√	√	√		
	ELAN	SRS				√	√					
		Engine	ENGINE 1.8 DOHC BOSCH			√	√	√	√			
		AT				√	√					
	SEPHIA	SRS				√	√					
		Engine	ENGINE 1.5 SOHC SIEMENS			√	√	√				
	SEPHIA II	Engine	ENGINE 1.5 DOHC BOSCH			√	√	√				
		Engine	ENGINE 1.8 BOSCH			√	√	√				
		AT				√	√	√				
		ABS				√	√	√	√			
		SRS				√	√					
	SPECTRA(WING)	Engine	ENGINE 1.8 BOSCH			√	√	√				
		Engine	ENGINE 1.5 BOSCH			√	√	√				
		AT				√	√	√				
		ABS				√	√	√	√			
		SRS				√	√					
SHUMA	Engine	ENGINE 1.5 SOHC SIEMENS			√	√	√					
	Engine	ENGINE 1.5 DOHC BOSCH			√	√	√					
	Engine	ENGINE 1.8 BOSCH			√	√	√					
	AT				√	√	√					

KIA V41.80Diagnostics 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		ABS			√	√	√	√			
		SRS			√	√					
	Engine	ENGINE 2.0 CVVT SIEMENS	√	√	√	√					
		Diesel ENG. 1.6LVGT	√	√	√	√					
		Engine 1.5/1.6 CVVT	√	√	√	√					
		Engine 2.0L(MT)	√	√	√	√					
		Engine 2.0L(AT)	√	√	√	√					
	AT	1.5 IMPROVED TYPE (INTEGRATION)		√	√	√	√				
		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-)			√			√	√				

KIA V41.80Diagnostics 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
		Engine	ENGINE 1.8 BOSCH		√	√	√				
			ENGINE 1.8 LPG MODERN AUTONET		√	√	√	√			
			ENGINE 2.0 LPG MODERN AUTONET		√	√	√	√			
			AT		√	√	√				
		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		√	√	√	√				

KIA V41.80Diagnostics 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 1.8 DOHC SIEMENS	√	√	√	√	√			
			ENGINE 2.5 V6 SIEMENS		√	√	√	√			
			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			√	√	√	√				
	SPORTAGE (-97)		Engine	ENGINE 2.0 BOSCH		√	√	√	√		

KIA V41.80Diagnostics 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 (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(VVALID)	√			√	√				
	WIPER SENSOR(INVALID)		√			√	√					
	SORENTO	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	√	√	√	√	√				
			2.5L DIESEL(EURO3) KWP		√	√	√	√				
		AT	Automatic transmission(4S)		√	√	√	√				
ABS			√	√	√	√	√	√				
SRS			√	√	√	√						

KIA V41.80Diagnostics 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		√	√	√	√				
		4WD	4WD(TOD-AUTO)		√	√					
		FUEL FIRED HEATER			√	√	√	√			
	CARNIVAL/ CARNIVAL II	Engine	ENGINE 3.0 DIESEL		√	√					
			ENGINE 2.5 LPG		√	√	√	√			
		AT			√	√	√	√			
		ABS			√	√	√	√	√		
		SRS			√	√					
	GRAND CARNIVAL	Engine	KJ 2.9 CRDI WGT DIESEL		√	√	√	√	√		
			KJ 2.9 CRDI VGT DIESEL	√	√	√	√	√			
			2.7 LPI(EMS ECU)	√	√	√	√	√			
			2.7 LPI(IFB ECU)	√	√	√	√	√			
		AT	KJ 2.9 CRDI VGT DIESEL	√	√	√	√	√			
			KJ 2.9 CRDI WGT DIESEL	√	√	√	√	√			
			2.7 LPI		√	√	√	√			
ABS				√	√	√	√				
SRS				√	√				√		
A/C			√	√	√	√					
Engine	ENGINE 2.0 DOHC BOSCH		√	√							

KIA V41.80Diagnostics 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
	POTENTIA	AT			√	√					
		ABS	ABS 5		√	√	√				
	ABS/ASR 5(TCS INCLUDED)			√	√	√					
	NEW POTENTIA	Engine	ENGINE 2.0L(before 2001)		√	√					
			ENGINE 2.0L(after 2001)		√	√	√				
			ENGINE 2.5 V6 JAPAN ELECTROMOTION		√	√	√				
		AT			√	√					
		ABS	ABS 5		√	√	√				
			ABS/ASR 5(TCS INCLUDED)		√	√	√				
	ENTERPRIS E	Engine	ENGINE 2.5 V6		√	√	√				
			ENGINE 3.0 V6 JAPAN ELECTROMOTION		√	√	√				
			ENGINE 3.6 V6 JAPAN ELECTROMOTION		√	√	√				
			ENGINE 2.5 V6 BOSCH(00MY~)		√	√	√				
		AT			√	√					
		ABS	ABS 5		√	√	√				
			ABS/ASR 5(TCS INCLUDED)		√	√	√				
		SRS			√	√					
			ENGINE 3.0/3.5 ETS MELCO		√	√	√	√			
		2.7L		√	√						

KIA V41.80Diagnostics 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	Engine	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			√	√	√					
	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				√	√	√	√				

KIA V41.80Diagnostics 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			√	√					√	
	BONGO III	Engine	2.5 (TCI)	√	√	√	√	√				
			2.9 (COMMON RAIL)	√	√	√	√	√				
		AT		√	√	√	√					
		ABS		√	√	√	√	√				
	RIO	2003-2005	ENG		√	√	√					
			AT			√	√	√				
			ABS		√	√	√	√	√			
			SRS				√	√				
		2001-2002	ENG			√	√	√				
			AT				√	√	√			
			ABS					√	√	√		
			SRS					√	√			
	SPECTRA	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)	√	√	√	√	√				

KIA V41.80Diagnostics 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			SRS-AIRBAG	√	√	√	√				
			FULL AUTO AIR/CON.	√	√	√	√	√			
			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			√	√	√	√	√				
SRS			√	√	√	√					
EPS			√	√	√	√					

KIA V41.80Diagnostics 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
		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				√	√	√	√			
	SORENTO R(XM)	ENG	2.4 THETA 2	√	√	√	√	√			
			3.5 LAMDA 2	√	√	√	√	√			
		AT		√	√	√	√	√			
		ABS			√	√	√	√			
		AC			√	√	√	√	√		
		EPS			√	√	√	√			
		SRS	01.AIRBAG CONTROL UNIT[ACU]	√	√	√	√				

KIA V41.80Diagnostics 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
	(2009)		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