

How to read this list:

Mark	Description
√	Function is supported.
*	Function is added or developed newly

V30/PC-MAX Function List

Automaker:				KIA									
Software Version:				V3.4									
Automaker	Region	Year	Model	Vehicle Type	ECU Type	System	ECU Supplier	Sys. Info.	Read Code	Clear Code	Data Stream	Actuations	Special Functions
KIA	ASIA	2006	PRIDE		ENGINE CONTROL			√	√	√	√	√	
KIA	ASIA	2003	PRIDE		ENGINE CONTROL	1.3L SOHC CASOLINE MAP		√	√	Manual	√		
KIA	ASIA	2003	PRIDE		AUTOMATIC TRANSAXLE				√	√	√		
KIA	ASIA	2002	PRIDE		ENGINE CONTROL	1.3L SOHC CASOLINE MAP		√	√	Manual	√		
KIA	ASIA	2002	PRIDE		AUTOMATIC TRANSAXLE				√	√	√		
KIA	ASIA	All Model year	VISTO		ENGINE CONTROL	UNLEAD ALL			√	√	√	√	1.RESETTING ADAPTIVE VALUES
KIA	ASIA	All Model year	VISTO		ENGINE CONTROL	UNLEAD IMMO			√	√	√	√	
KIA	ASIA	All Model year	VISTO		ENGINE CONTROL	LEAD ALL			√	√	√	√	1.RESETTING ADAPTIVE VALUES 2.IDLE CO ADJUSTMENT
KIA	ASIA	All Model year	VISTO		AUTOMATIC TRANSAXLE				√	√	√	√	
KIA	ASIA	All Model year	VISTO		ANTI-LOCK BRAKE SYSTEM				√	√	√	√	1. HCU AIR BLEEDING MODE
KIA	ASIA	All Model year	VISTO		SRS-AIRBAG			√	√	√	√		1. ACTIVE DTC INFORMATION 2. HISTORY DTC INFORMATION
KIA	ASIA	2008	PICANTO(MORNING)		ENGINE CONTROL	1.1L VGT DIESEL CAN		√	√	√	√	√	
KIA	ASIA	2008	PICANTO(MORNING)		ENGINE CONTROL	1.0L/1.1L EOBD		√	√	√	√	√	
KIA	ASIA	2008	PICANTO(MORNING)		ENGINE CONTROL	1.0L/1.1L GEN		√	√	√	√	√	
KIA	ASIA	2008	PICANTO(MORNING)		ENGINE CONTROL	1.0L/1.1L LEAD		√	√	√	√	√	
KIA	ASIA	2008	PICANTO(MORNING)		AUTOMATIC TRANSAXLE			√	√	√	√	√	
KIA	ASIA	2008	PICANTO(MORNING)		ABS/ESP			√	√	√	√	√	
KIA	ASIA	2008	PICANTO(MORNING)		SRS-AIRBAG			√	√	√			CRASHING INFORMATION
KIA	ASIA	2008	PICANTO(MORNING)		ELEC.POWER STEERING			√	√	√	√	√	
KIA	ASIA	2008	PICANTO(MORNING)		IMMOBILIZER						√		
KIA	ASIA	2008	PICANTO(MORNING)								√		
KIA	ASIA	2008	PICANTO(MORNING)		CODE SAVING								CODE SAVING
KIA	ASIA	2007	PICANTO(MORNING)		ENGINE CONTROL	1.1L VGT DIESEL CAN		√	√	√	√	√	

KIA	ASIA	2007	PICANTO(MORNING)	ENGINE CONTROL	1.1L VGT DIESEL KWP								
KIA	ASIA	2007	PICANTO(MORNING)	ENGINE CONTROL	1.0L/1.1L SOHC EOB		√	√	√	√	√		
KIA	ASIA	2007	PICANTO(MORNING)	ENGINE CONTROL	1.0L/1.1L SOHC GEN		√	√	√	√	√		
KIA	ASIA	2007	PICANTO(MORNING)	ENGINE CONTROL	1.0L/1.1L SOHC LEAD		√	√	√	√	√		
KIA	ASIA	2007	PICANTO(MORNING)	AUTOMATIC TRANSAXLE	GASOLINE		√	√	√	√	√		RESETTING ADAPTIVE VALUES
KIA	ASIA	2007	PICANTO(MORNING)	AUTOMATIC TRANSAXLE	DIESEL		√	√	√	√	√		RESETTING ADAPTIVE VALUES
KIA	ASIA	2007	PICANTO(MORNING)	ANTI-LOCK BRAKE SYSTEM									
KIA	ASIA	2007	PICANTO(MORNING)	SRS-AIRBAG			√	√	√				1.CRASHING INFORMATION
KIA	ASIA	2007	PICANTO(MORNING)	ELEC.POWER STEERING			√	√	√	√			
KIA	ASIA	2007	PICANTO(MORNING)	IMMOBILIZER	GASOLINE					√			
KIA	ASIA	2007	PICANTO(MORNING)	IMMOBILIZER	DIESEL					√			
KIA	ASIA	2007	PICANTO(MORNING)	CODE SAVING									√
KIA	ASIA	2006	PICANTO(MORNING)	ENGINE CONTROL	1.1L VGT DIESEL CAN		√	√	√	√	√		
KIA	ASIA	2006	PICANTO(MORNING)	ENGINE CONTROL	1.1L VGT DIESEL KWP		√	√	√	√	√		
KIA	ASIA	2006	PICANTO(MORNING)	ENGINE CONTROL	1.0L/1.1L SHOHC EOB		√	√	√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2006	PICANTO(MORNING)	ENGINE CONTROL	1.0L/1.1L SHOHC GEN		√	√	√	√	√		
KIA	ASIA	2006	PICANTO(MORNING)	ENGINE CONTROL	1.0L/1.1L SHOHC LEAD		√	√	√	√	√		1.IDLE CO ADJUSTMENT
KIA	ASIA	2006	PICANTO(MORNING)	AUTOMATIC TRANSAXLE	GASOLINE		√	√	√	√	√		
KIA	ASIA	2006	PICANTO(MORNING)	AUTOMATIC TRANSAXLE	DIESEL		√	√	√	√	√		
KIA	ASIA	2006	PICANTO(MORNING)	ANTI-LOCK BRAKE SYSTEM			√	√	√	√	√		1. HCU AIR BLEEDING MODE
KIA	ASIA	2006	PICANTO(MORNING)	SRS-AIRBAG			√	√	√	√			
KIA	ASIA	2006	PICANTO(MORNING)	ELEC.POWER STEERING			√	√	√	√			
KIA	ASIA	2006	PICANTO(MORNING)	IMMOBILIZER	GASOLINE					√			
KIA	ASIA	2006	PICANTO(MORNING)		DIESEL					√			
KIA	ASIA	2006	PICANTO(MORNING)	CODE SAVING									√
KIA	ASIA	2004~2005	PICANTO(MORNING)	ENGINE CONTROL	1.0L/1.1L SHOHC EOB		√	√	√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2004~2005	PICANTO(MORNING)	ENGINE CONTROL	1.0L/1.1L SHOHC GEN		√	√	√	√	√		
KIA	ASIA	2004~2005	PICANTO(MORNING)	ENGINE CONTROL	1.0L/1.1L SHOHC LEAD		√	√	√	√	√		1.IDLE CO ADJUSTMENT
KIA	ASIA	2004~2005	PICANTO(MORNING)	AUTOMATIC TRANSAXLE			√	√	√	√	√		
KIA	ASIA	2004~2005	PICANTO(MORNING)	ANTI-LOCK BRAKE SYSTEM			√	√	√	√	√		1. HCU AIR BLEEDING MODE
KIA	ASIA	2004~2005	PICANTO(MORNING)	SRS-AIRBAG			√	√	√	√			
KIA	ASIA	2004~2005	PICANTO(MORNING)	IMMOBILIZER						√			
KIA	ASIA	2004~2005	PICANTO(MORNING)	CODE SAVING									√
KIA	ASIA	All Model year	AVELLA	ENGINE CONTROL	1.3L/1.5L GASOLINE MAP		√	√	Manual	√			
KIA	ASIA	All Model year	AVELLA	AUTOMATIC TRANSAXLE				√	Manual				
KIA	ASIA	All Model year	AVELLA	ANTI-LOCK BRAKE SYSTEM				√	√	√	√		
KIA	ASIA	2007	RIO	ENGINE CONTROL	1.6L CVVT EOB		√	√	√	√	√		
KIA	ASIA	2007	RIO	ENGINE CONTROL	1.6L CVVT GEN		√	√	√	√	√		
KIA	ASIA	2007	RIO	ENGINE CONTROL	1.6L CVVT LEAD		√	√	√	√	√		
KIA	ASIA	2007	RIO	ENGINE CONTROL	1.4L DOHC EOB		√	√	√	√	√		
KIA	ASIA	2007	RIO	ENGINE CONTROL	1.4L DOHC GEN		√	√	√	√	√		1.RESETTING ADAPTIVE VALUES

KIA	ASIA	2007	RIO		ENGINE CONTROL	1.4L DOHC LEAD		√	√	√	√	√	1.RESETTING ADAPTIVE VALUES 2. IDLE CO ADJUSTMENT
KIA	ASIA	2007	RIO		ENGINE CONTROL	1.5L VGT DIESEL		√	√	√	√	√	
KIA	ASIA	2007	RIO		AUTOMATIC TRANSAXLE			√	√	√	√	√	
KIA	ASIA	2007	RIO		ANTI-LOCK BRAKE SYSTEM								
KIA	ASIA	2007	RIO		SRS-AIRBAG			√	√	√			1.CRASHING INFORMATION
KIA	ASIA	2007	RIO		IMMOBILIZER						√		
KIA	ASIA	2007	RIO		BODE SAVING								√
KIA	ASIA	2006	RIO		ENGINE CONTROL	1.6L CVVT EOBD		√	√	√	√	√	1.RESETTING ADAPTIVE VALUES
KIA	ASIA	2006	RIO		ENGINE CONTROL	1.6L CVVT GEN		√	√	√	√	√	1.RESETTING ADAPTIVE VALUES
KIA	ASIA	2006	RIO		ENGINE CONTROL	1.6L CVVT LEAD		√	√	√	√	√	1.RESETTING ADAPTIVE VALUES 2.IDLE CO ADJUSTMENT
KIA	ASIA	2006	RIO		ENGINE CONTROL	1.4L DOHC EOBD		√	√	√	√	√	1.RESETTING ADAPTIVE VALUES
KIA	ASIA	2006	RIO		ENGINE CONTROL	1.4L DOHC GEN		√	√	√	√	√	1.RESETTING ADAPTIVE VALUES
KIA	ASIA	2006	RIO		ENGINE CONTROL	1.4L DOHC LEAD		√	√	√	√	√	1.RESETTING ADAPTIVE VALUES 2.IDLE CO ADJUSTMENT
KIA	ASIA	2006	RIO		ENGINE CONTROL	U 1.5L VGT DIESEL		√	√	√	√	√	
KIA	ASIA	2006	RIO		AUTOMATIC TRANSAXLE			√	√	√	√	√	1.RESETTING ADAPTIVE VALUES
KIA	ASIA	2006	RIO		ANTI-LOCK BRAKE SYSTEM			√	√	√	√	√	1. HCU AIR BLEEDING MODE
KIA	ASIA	2006	RIO		SRS-AIRBAG			√	√	√	√		
KIA	ASIA	2006	RIO		IMMOBILIZER					√			
KIA	ASIA	2006	RIO		CODE SAVING								√
KIA	ASIA	2004~2005	RIO		ENGINE CONTROL	1.3L/1.5L GASOLINE MAP			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2004~2005	RIO		ENGINE CONTROL	1.3L/1.5L MAF			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2004~2005	RIO		ENGINE CONTROL	1.3L/1.5L GASOL. W.IMMO			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2004~2005	RIO		ENGINE CONTROL	1.3L/1.5L GASOLINE LEAD			√	√	√		1. FREEZE FRAME DATA 2. IDLE CO ADJUSTMENT
KIA	ASIA	2004~2005	RIO		AUTOMATIC TRANSAXLE				√	√	√		
KIA	ASIA	2004~2005	RIO		ANTI-LOCK BRAKE SYSTEM	16PIN OBD2 CONNECTOR		√	√	√	√	√	1. HCU AIR BLEEDING MODE
KIA	ASIA	2004~2005	RIO		ANTI-LOCK BRAKE SYSTEM	20PIN RED KIA CONNECTOR		√	√	√	√	√	1. HCU AIR BLEEDING MODE
KIA	ASIA	2004~2005	RIO		SRS-AIRBAG			√	√	√	√		1. ACTIVE DTC INFORMATION 2. HISTORY DTC INFORMATION
KIA	ASIA	2004~2005	RIO		CODE SAVING								√
KIA	ASIA	2003	RIO		ENGINE CONTROL	1.3L/1.5L GASOLINE MAP			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2003	RIO		ENGINE CONTROL	1.3L/1.5L MAF			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2003	RIO		ENGINE CONTROL	1.3L/1.5L GASOL. W.IMMO			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2003	RIO		ENGINE CONTROL	1.3L/1.5L GASOLINE LEAD			√	√	√		1. FREEZE FRAME DATA 2. IDLE CO ADJUSTMENT
KIA	ASIA	2003	RIO		AUTOMATIC TRANSAXLE				√	√	√		
KIA	ASIA	2003	RIO		ANTI-LOCK BRAKE SYSTEM	16PIN OBD2 CONNECTOR		√	√	√	√	√	1. HCU AIR BLEEDING MODE
KIA	ASIA	2003	RIO		ANTI-LOCK BRAKE SYSTEM	20PIN RED KIA CONNECTOR		√	√	√	√	√	1. HCU AIR BLEEDING MODE

KIA	ASIA	2003	RIO		SRS-AIRBAG			√	√	√	√		1. ACTIVE DTC INFORMATION 2. HISTORY DTC INFORMATION
KIA	ASIA	2003	RIO		CODE SAVING								√
KIA	ASIA	2001~2002	RIO		ENGINE CONTROL	1.3L/1.5L GASOLINE MAP			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2001~2002	RIO		ENGINE CONTROL	1.3L/1.5L MAF			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2001~2002	RIO		ENGINE CONTROL	1.3L/1.5L(RHD) MAP			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2001~2002	RIO		ENGINE CONTROL	1.3L/1.5L(RHD) MAF			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2001~2002	RIO		ENGINE CONTROL	1.3L/1.5L GASOL. W.IMMO			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2001~2002	RIO		ENGINE CONTROL	1.3L/1.5L GASOLINE LEAD			√	√	√		1. FREEZE FRAME DATA 2. IDLE CO ADJUSTMENT
KIA	ASIA	2001~2002	RIO		AUTOMATIC TRANSAXLE	TCU LHD			√	√	√		
KIA	ASIA	2001~2002	RIO		AUTOMATIC TRANSAXLE	TCU RHD			√	√	√		
KIA	ASIA	2001~2002	RIO		ANTI-LOCK BRAKE SYSTEM	ABS LHD		√	√	√	√	√	
KIA	ASIA	2001~2002	RIO		ANTI-LOCK BRAKE SYSTEM	ABS RHD		√	√	√	√	√	
KIA	ASIA	2001~2002	RIO		SRS-AIRBAG	A/BAG LHD		√	√	√	√		1. ACTIVE DTC INFORMATION 2. HISTORY DTC INFORMATION
KIA	ASIA	2001~2002	RIO		SRS-AIRBAG	A/BAG RHD		√	√	√	√		1. ACTIVE DTC INFORMATION 2. HISTORY DTC INFORMATION
KIA	ASIA	2000	RIO		ENGINE CONTROL	1.3L/1.5L GASOLINE MAP			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2000	RIO		ENGINE CONTROL	1.3L/1.5L MAF			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2000	RIO		ENGINE CONTROL	1.3L/1.5L(RHD) MAP			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2000	RIO		ENGINE CONTROL	1.3L/1.5L(RHD) MAF			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2000	RIO		ENGINE CONTROL	1.3L/1.5L GASOL. W.IMMO			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2000	RIO		ENGINE CONTROL	1.3L/1.5L GASOLINE LEAD			√	√	√		1. FREEZE FRAME DATA 2. IDLE CO ADJUSTMENT
KIA	ASIA	2000	RIO		AUTOMATIC TRANSAXLE	TCU LHD			√	√	√		
KIA	ASIA	2000	RIO		AUTOMATIC TRANSAXLE	TCU RHD			√	√	√		
KIA	ASIA	2000	RIO		ANTI-LOCK BRAKE SYSTEM	ABS LHD		√	√	√	√	√	
KIA	ASIA	2000	RIO		ANTI-LOCK BRAKE SYSTEM	ABS RHD		√	√	√	√	√	
KIA	ASIA	2000	RIO		SRS-AIRBAG	A/BAG LHD			√	√			
KIA	ASIA	2000	RIO		SRS-AIRBAG	A/BAG RHD			√	√			
KIA	ASIA	2004	SEPHIA(MENTOR)		ENGINE CONTROL	1.6L DOHC NON IMMO			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2004	SEPHIA(MENTOR)		ENGINE CONTROL	1.6L DOHC W/IMMO			√	√	√		1.FREEZE FRAME DATA 2.MONITORING TEST(EURO.ONLY)
KIA	ASIA	2004	SEPHIA(MENTOR)		ENGINE CONTROL	1.6L DOHC LEAD			√	√	√		1. FREEZE FRAME DATA 2. IDLE CO ADJUSTMENT
KIA	ASIA	2004	SEPHIA(MENTOR)		ENGINE CONTROL	1.8L DOHC GASOLINE TED			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2004	SEPHIA(MENTOR)		AUTOMATIC TRANSAXLE				√	√	√		
KIA	ASIA	2004	SEPHIA(MENTOR)		ANTI-LOCK BRAKE SYSTEM			√	√	√	√	√	
KIA	ASIA	2004	SEPHIA(MENTOR)		SRS-AIRBAG				√	√			
KIA	ASIA	2004	SEPHIA(MENTOR)		IMMOBILIZER	1.6L DOHC SMARTRA					√		
KIA	ASIA	2004	SEPHIA(MENTOR)		CODE SAVING								√
KIA	ASIA	2003	SEPHIA(MENTOR)		ENGINE CONTROL	1.6L DOHC NON IMMO			√	√	√		1. FREEZE FRAME DATA

KIA	ASIA	2003	SEPHIA(MENTOR)		ENGINE CONTROL	1.6L DOHC W/IMMO			√	√	√		1.FREEZE FRAME DATA 2.MONITORING TEST(EURO.ONLY)
KIA	ASIA	2003	SEPHIA(MENTOR)		ENGINE CONTROL	1.6L DOHC LEAD			√	√	√		1. FREEZE FRAME DATA 2. IDLE CO ADJUSTMENT
KIA	ASIA	2003	SEPHIA(MENTOR)		ENGINE CONTROL	1.8L DOHC GASOLINE TED			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2003	SEPHIA(MENTOR)		AUTOMATIC TRANSAXLE				√	√	√		
KIA	ASIA	2003	SEPHIA(MENTOR)		ANTI-LOCK BRAKE SYSTEM			√	√	√	√	√	
KIA	ASIA	2003	SEPHIA(MENTOR)		SRS-AIRBAG				√	√			
KIA	ASIA	2003	SEPHIA(MENTOR)		IMMOBILIZER	1.6L DOHC SMARTRA					√		
KIA	ASIA	2003	SEPHIA(MENTOR)		CODE SAVING								√
KIA	ASIA	2002	SEPHIA(MENTOR)		ENGINE CONTROL	1.6L DOHC NON IMMO			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2002	SEPHIA(MENTOR)		ENGINE CONTROL	1.6L DOHC W/IMMO			√	√	√		1.FREEZE FRAME DATA 2.MONITORING TEST(EURO.ONLY)
KIA	ASIA	2002	SEPHIA(MENTOR)		ENGINE CONTROL	1.6L DOHC LEAD			√	√	√		1.FREEZE FRAME DATA 2.IDLE CO ADJUSTMENT
KIA	ASIA	2002	SEPHIA(MENTOR)		ENGINE CONTROL	1.8L DOHC GASOLINE TED			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2002	SEPHIA(MENTOR)		AUTOMATIC TRANSAXLE				√	√	√		
KIA	ASIA	2002	SEPHIA(MENTOR)		ANTI-LOCK BRAKE SYSTEM			√	√	√	√	√	
KIA	ASIA	2002	SEPHIA(MENTOR)		SRS-AIRBAG				√	√			
KIA	ASIA	2002	SEPHIA(MENTOR)		IMMOBILIZER	1.6L DOHC SMARTRA					√		
KIA	ASIA	2001	SEPHIA(MENTOR)		ENGINECONTROL	1.6L DOHC NON IMMO			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2001	SEPHIA(MENTOR)		ENGINECONTROL	1.6L DOHC W/IMMO			√	√	√		1.FREEZE FRAME DATA 2.MONITORING TEST(EURO.ONLY)
KIA	ASIA	2001	SEPHIA(MENTOR)		ENGINECONTROL	1.6L DOHC LEAD			√	√	√		1. FREEZE FRAME DATA 2.IDLE CO ADJUSTMENT
KIA	ASIA	2001	SEPHIA(MENTOR)		ENGINECONTROL	1.8L DOHC GASOLINE TED			√	√	√		1. FREEZE FRAME DATA
KIA	ASIA	2001	SEPHIA(MENTOR)		AUTOMATIC TRANSAXLE				√	√	√		
KIA	ASIA	2001	SEPHIA(MENTOR)		ANTI-LOCK BRAKESYSTEM			√	√	√	√	√	
KIA	ASIA	2001	SEPHIA(MENTOR)		SRS-AIRBAG				√	√			
KIA	ASIA	2001	SEPHIA(MENTOR)		IMMOBILIZER	1.6L DOHC SMARTRA					√		
KIA	ASIA	2000	SEPHIA(MENTOR)		ENGINECONTROL	1.5LGASOLINEBFD/BFE			√	√	√		
KIA	ASIA	2000	SEPHIA(MENTOR)		ENGINECONTROL	1.8LDOHCGASOLINETED			√	√	√		1.FREEZEFRAME DATA
KIA	ASIA	2000	SEPHIA(MENTOR)		AUTOMATIC TRANSAXLE				√	√	√		
KIA	ASIA	2000	SEPHIA(MENTOR)		ANTI-LOCK BRAKESYSTEM			√	√	√	√	√	
KIA	ASIA	2000	SEPHIA(MENTOR)		SRS-AIRBAG				√	√			
KIA	ASIA	1999	SEPHIA(MENTOR)		ENGINECONTROL	1.5LGASOLINEBFD/BFE			√	√	√		
KIA	ASIA	1999	SEPHIA(MENTOR)		ENGINECONTROL	1.8LDOHCGASOLINETED			√	√	√		1.FREEZEFRAME DATA
KIA	ASIA	1999	SEPHIA(MENTOR)		AUTOMATIC TRANSAXLE				√	√	√		
KIA	ASIA	1999	SEPHIA(MENTOR)		ANTI-LOCK BRAKESYSTEM			√	√	√	√	√	
KIA	ASIA	1999	SEPHIA(MENTOR)		SRS-AIRBAG				√	√			
KIA		1998	SEPHIA(MENTOR)		ENGINECONTROL	1.5LGASOLINEBFD/BFE			√	√	√		
KIA	ASIA	1998	SEPHIA(MENTOR)		ENGINECONTROL	1.8LDOHCGASOLINETED			√	√	√		1.FREEZEFRAME DATA

KIA	ASIA	1998	SEPHIA(MENTOR)		AUTOMATIC TRANSAXLE			√	√	√	√		
KIA	ASIA	1998	SEPHIA(MENTOR)		ANTI-LOCK BRAKESYSTEM			√	√	√	√	√	
KIA	ASIA	1998	SEPHIA(MENTOR)		SRS-AIRBAG				√	√			
KIA		Before 1998	SEPHIA(MENTOR)		ENGINECONTROL	1.5L/1.6LENG(MTM)AFM1			√	Manual			
KIA	ASIA	Before 1998	SEPHIA(MENTOR)		ENGINECONTROL	1.5L/1.6LENG(ATM)AFM1			√	Manual			
KIA		2004	SHUMA(SPECTRA)		ENGINECONTROL	1.6LDOHCNONIMMO			√	√	√		1.FREEZEFRAME DATA
KIA	ASIA	2004	SHUMA(SPECTRA)		ENGINECONTROL	1.6LDOHCW/IMMO			√	√	√		1.FREEZEFRAME DATA 2.MONITORING TEST(EURO.ONLY)
KIA	ASIA	2004	SHUMA(SPECTRA)		ENGINECONTROL	1.6LDOHCLEAD			√	√	√		1.FREEZEFRAME DATA 2.IDLE CO ADJUSTMENT
KIA	ASIA	2004	SHUMA(SPECTRA)		ENGINECONTROL	1.8LDOHCGASOLINETED			√	√	√		1.FREEZEFRAME DATA
KIA	ASIA	2004	SHUMA(SPECTRA)		AUTOMATIC TRANSAXLE				√	√	√		
KIA	ASIA	2004	SHUMA(SPECTRA)		ANTI-LOCK BRAKESYSTEM			√	√	√	√	√	
KIA	ASIA	2004	SHUMA(SPECTRA)		SRS-AIRBAG				√	√			
KIA	ASIA	2004	SHUMA(SPECTRA)		IMMOBILIZER	1.6LDOHC SMARTRA					√		
KIA	ASIA	2004	SHUMA(SPECTRA)		CODESAVING								√
KIA	ASIA	2003	SHUMA(SPECTRA)		ENGINECONTROL	1.6LDOHCNONIMMO			√	√	√		1.FREEZEFRAME DATA
KIA	ASIA	2003	SHUMA(SPECTRA)		ENGINECONTROL	1.6LDOHCW/IMMO			√	√	√		1.FREEZEFRAME DATA 2.MONITORING TEST(EURO.ONLY)
KIA	ASIA	2003	SHUMA(SPECTRA)		ENGINECONTROL	1.6LDOHCLEAD			√	√	√		1.FREEZEFRAME DATA 2.IDLE CO ADJUSTMENT
KIA	ASIA	2003	SHUMA(SPECTRA)		ENGINECONTROL	1.8LDOHCGASOLINETED			√	√	√		1.FREEZEFRAME DATA
KIA	ASIA	2003	SHUMA(SPECTRA)		AUTOMATIC TRANSAXLE				√	√	√		
KIA	ASIA	2003	SHUMA(SPECTRA)		ANTI-LOCK BRAKESYSTEM			√	√	√	√	√	
KIA	ASIA	2003	SHUMA(SPECTRA)		SRS-AIRBAG				√	√			
KIA	ASIA	2003	SHUMA(SPECTRA)		IMMOBILIZER	1.6LDOHC SMARTRA					√		
KIA	ASIA	2003	SHUMA(SPECTRA)		CODESAVING								√
KIA	ASIA	2002	SHUMA(SPECTRA)		ENGINECONTROL	1.6LDOHCNONIMMO			√	√	√		1.FREEZEFRAME DATA
KIA	ASIA	2002	SHUMA(SPECTRA)		ENGINECONTROL	1.6LDOHCW/IMMO			√	√	√		1.FREEZEFRAME DATA 2.MONITORING TEST(EURO.ONLY)
KIA	ASIA	2002	SHUMA(SPECTRA)		ENGINECONTROL	1.6LDOHCLEAD			√	√	√		1.FREEZEFRAME DATA 2.IDLECO ADJUSTMENT
KIA	ASIA	2002	SHUMA(SPECTRA)		ENGINECONTROL	1.8LDOHCGASOLINETED			√	√	√		1.FREEZEFRAME DATA
KIA	ASIA	2002	SHUMA(SPECTRA)		AUTOMATIC TRANSAXLE				√	√	√		
KIA	ASIA	2002	SHUMA(SPECTRA)		ANTI-LOCK BRAKESYSTEM			√	√	√	√	√	
KIA	ASIA	2002	SHUMA(SPECTRA)		SRS-AIRBAG				√	√			
KIA	ASIA	2002	SHUMA(SPECTRA)		IMMOBILIZER	1.6LDOHC SMARTRA					√		
KIA	ASIA	2001	SHUMA(SPECTRA)		ENGINECONTROL	1.6LDOHCNONIMMO			√	√	√		1.FREEZEFRAME DATA
KIA	ASIA	2001	SHUMA(SPECTRA)		ENGINECONTROL	1.6LDOHCW/IMMO			√	√	√		1.FREEZEFRAME DATA 2.MONITORING TEST(EURO.ONLY)
KIA	ASIA	2001	SHUMA(SPECTRA)		ENGINECONTROL	1.6LDOHCLEAD			√	√	√		1.FREEZEFRAME DATA 2.IDLECO ADJUSTMENT

KIA	ASIA	2001	SHUMA(SPECTRA)	ENGINECONTROL	1.8LDOHCGASOLINETED			√	√	√		1.FREEZEFRAME DATA
KIA	ASIA	2001	SHUMA(SPECTRA)	AUTOMATIC TRANSAXLE				√	√	√		
KIA	ASIA	2001	SHUMA(SPECTRA)	ANTI-LOCK BRAKESYSTEM			√	√	√	√	√	
KIA	ASIA	2001	SHUMA(SPECTRA)	SRS-AIRBAG				√	√			
KIA	ASIA	2001	SHUMA(SPECTRA)	IMMOBILIZER	1.6LDOHCSTARTRA					√		
KIA	ASIA	2000	SHUMA(SPECTRA)	ENGINECONTROL	1.5LGASOLINEBFD/BFE			√	√	√		
KIA	ASIA	2000	SHUMA(SPECTRA)	ENGINECONTROL	1.8LDOHCGASOLINETED			√	√	√		1.FREEZEFRAME DATA
KIA	ASIA	2000	SHUMA(SPECTRA)	AUTOMATIC TRANSAXLE				√	√	√		
KIA	ASIA	2000	SHUMA(SPECTRA)	ANTI-LOCK BRAKESYSTEM			√	√	√	√	√	
KIA	ASIA	2000	SHUMA(SPECTRA)	SRS-AIRBAG				√	√			
KIA	ASIA	1999	SHUMA(SPECTRA)	ENGINECONTROL	1.5LGASOLINEBFD/BFE			√	√	√		
KIA	ASIA	1999	SHUMA(SPECTRA)	ENGINECONTROL	1.8LDOHCGASOLINETED			√	√	√		1.FREEZEFRAME DATA
KIA	ASIA	1999	SHUMA(SPECTRA)	AUTOMATIC TRANSAXLE				√	√	√		
KIA	ASIA	1999	SHUMA(SPECTRA)	ANTI-LOCK BRAKESYSTEM			√	√	√	√	√	
KIA	ASIA	1999	SHUMA(SPECTRA)	SRS-AIRBAG				√	√			
KIA	ASIA	1999	SHUMA(SPECTRA)	IMMOBILIZER	1.6LDOHCSTARTRA					√		
KIA	ASIA	2007	CERATO	ENGINECONTROL	UNLEAD2.0LGEN		√	√	√	√	√	
KIA	ASIA	2007	CERATO	ENGINECONTROL	UNLEAD2.0LEOBD		√	√	√	√	√	
KIA	ASIA	2007	CERATO	ENGINECONTROL	LEAD2.0LALL		√	√	√	√	√	
KIA	ASIA	2007	CERATO	ENGINECONTROL	UNLEAD1.6LGEN		√	√	√	√	√	
KIA	ASIA	2007	CERATO	ENGINECONTROL	UNLEAD1.6LEOBD		√	√	√	√	√	
KIA	ASIA	2007	CERATO	ENGINECONTROL	LEAD1.6LALL		√	√	√	√	√	
KIA	ASIA	2007	CERATO	ENGINECONTROL	1.6LDIESEL(VGT)EURO-4		√	√	√	√	√	
KIA	ASIA	2007	CERATO	AUTOMATICTRANSAXLE	1.6LGASOLINE		√	√	√	√	√	
KIA	ASIA	2007	CERATO	AUTOMATICTRANSAXLE	2.0LGASOLINE		√	√	√	√	√	
KIA	ASIA	2007	CERATO	AUTOMATICTRANSAXLE	1.6LDIESEL		√	√	√	√	√	
KIA	ASIA	2007	CERATO	CODESAVING								√
KIA	ASIA	2006	CERATO	ENGINECONTROL	1.6LDIESEL(VGT)EURO-4		√	√	√	√	√	
KIA	ASIA	2006	CERATO	ENGINECONTROL	2.0LDIESELALL		√	√	√	√	√	
KIA	ASIA	2006	CERATO	ENGINECONTROL	1.5LDIESELALL		√	√	√	√	√	
KIA	ASIA	2006	CERATO	ENGINECONTROL	1.6LDOHC EOBD			√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	2006	CERATO	ENGINECONTROL	1.6LDOHCGEN			√	√	√	√	
KIA	ASIA	2006	CERATO	ENGINECONTROL	1.6LDOHCLEAD			√	√	√	√	1.IDLECO ADJUSTMENT
KIA	ASIA	2006	CERATO	ENGINECONTROL	2.0LDOHC(+CVVT)EOBD		√	√	√	√	√	1.FREEZEFRAME DATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2006	CERATO	ENGINECONTROL	2.0LDOHC(-CVVT)EOBD		√	√	√	√	√	1.RESETTING ADAPTIVEVALUES 2.VERSION CONFIGUREATION
KIA	ASIA	2006	CERATO	ENGINECONTROL	2.0LDOHC(+CVVT)GEN		√	√	√	√	√	1.FREEZEFRAME DATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2006	CERATO	ENGINECONTROL	2.0LDOHC(-CVVT)GEN		√	√	√	√	√	1.RESETTING ADAPTIVEVALUES 2.VERSION CONFIGUREATION

KIA	ASIA	2006	CERATO		ENGINECONTROL	2.0LDOHC(+CVVT)LEAD		√	√	√	√	√	1.IDLECO ADJUSTMENT 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2006	CERATO		ENGINECONTROL	2.0LDOHC(-CVVT)LEAD		√	√	√	√	√	1.IDLECO ADJUSTMENT 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2006	CERATO		AUTOMATIC TRANSAXLE	1.6LDOHCALL			√	√	√	√	
KIA	ASIA	2006	CERATO		AUTOMATIC TRANSAXLE	2.0LDOHCALL		√	√	√	√	√	
KIA	ASIA	2006	CERATO		ANTI-LOCK BRAKESYSTEM			√	√	√	√	√	1.HCUAIRBLEEDING MODE
KIA	ASIA	2006	CERATO		SRS-AIRBAG			√	√	√	√		
KIA	ASIA	2006	CERATO		IMMOBILIZER	2.0L/1.5LDIESELALL					√		
KIA	ASIA	2006	CERATO		IMMOBILIZER	1.6LDOHCALL					√		
KIA	ASIA	2006	CERATO		IMMOBILIZER	2.0LDOHCALL					√		
KIA	ASIA	2006	CERATO		CODESAVING								√
KIA	ASIA	2005	CERATO		ENGINECONTROL	2.0LDIESELALL		√	√	√	√	√	
KIA	ASIA	2005	CERATO		ENGINECONTROL	1.5LDIESELALL		√	√	√	√	√	
KIA	ASIA	2005	CERATO		ENGINECONTROL	1.6LDOHCEOBD			√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	2005	CERATO		ENGINECONTROL	1.6LDOHCGEN			√	√	√	√	
KIA	ASIA	2005	CERATO		ENGINECONTROL	1.6LDOHCLEAD			√	√	√	√	1.IDLECO ADJUSTMENT
KIA	ASIA	2005	CERATO		ENGINECONTROL	2.0LDOHC(+CVVT)EOBD		√	√	√	√	√	1.FREEZEFRAME DATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2005	CERATO		ENGINECONTROL	2.0LDOHC(-CVVT)EOBD		√	√	√	√	√	1.RESETTING ADAPTIVEVALUES 2.VERSION CONFIGUREATION
KIA	ASIA	2005	CERATO		ENGINECONTROL	2.0LDOHC(+CVVT)GEN		√	√	√	√	√	1.FREEZEFRAME DATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2005	CERATO		ENGINECONTROL	2.0LDOHC(-CVVT)GEN		√	√	√	√	√	1.RESETTING ADAPTIVEVALUES 2.VERSION CONFIGUREATION
KIA	ASIA	2005	CERATO		ENGINECONTROL	2.0LDOHC(+CVVT)LEAD		√	√	√	√	√	1.IDLECO ADJUSTMENT 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2005	CERATO		ENGINECONTROL	2.0LDOHC(-CVVT)LEAD		√	√	√	√	√	1.IDLECO ADJUSTMENT 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2005	CERATO		AUTOMATIC TRANSAXLE	1.6LDOHCALL			√	√	√	√	
KIA	ASIA	2005	CERATO		AUTOMATIC TRANSAXLE	2.0LDOHCALL		√	√	√	√	√	
KIA	ASIA	2005	CERATO		ANTI-LOCK BRAKESYSTEM			√	√	√	√	√	1.HCUAIRBLEEDING MODE
KIA	ASIA	2005	CERATO		SRS-AIRBAG			√	√	√	√		
KIA	ASIA	2005	CERATO		IMMOBILIZER	2.0L/1.5LDIESELALL					√		
KIA	ASIA	2005	CERATO		IMMOBILIZER	1.6LDOHCALL					√		
KIA	ASIA	2005	CERATO		IMMOBILIZER	2.0LDOHCALL					√		
KIA	ASIA	2005	CERATO		CODESAVING								√
KIA	ASIA	2004	CERATO		ENGINECONTROL	2.0LDIESELALL		√	√	√	√	√	
KIA	ASIA	2004	CERATO		ENGINECONTROL	1.6LDOHCEOBD			√	√	√	√	1.FREEZEFRAME DATA

KIA	ASIA	2004	CERATO		ENGINECONTROL	1.6LDOHCGEN			√	√	√	√	
KIA	ASIA	2004	CERATO		ENGINECONTROL	1.6LDOHCLEAD			√	√	√	√	1.IDLECO ADJUSTMENT
KIA	ASIA	2004	CERATO		ENGINECONTROL	2.0LDOHC(+CVVT)EOBD			√	√	√	√	1.FREEZEFRAME DATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2004	CERATO		ENGINECONTROL	2.0LDOHC(-CVVT)EOBD			√	√	√	√	1.RESETTING ADAPTIVEVALUES 2.VERSION CONFIGUREATION
KIA	ASIA	2004	CERATO		ENGINECONTROL	2.0LDOHC(+CVVT)GEN			√	√	√	√	1.FREEZEFRAME DATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2004	CERATO		ENGINECONTROL	2.0LDOHC(-CVVT)GEN			√	√	√	√	1.RESETTING ADAPTIVEVALUES 2.VERSION CONFIGUREATION
KIA	ASIA	2004	CERATO		ENGINECONTROL	2.0LDOHC(+CVVT)LEAD			√	√	√	√	1.IDLECO ADJUSTMENT 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2004	CERATO		ENGINECONTROL	2.0LDOHC(-CVVT)LEAD			√	√	√	√	1.IDLECO ADJUSTMENT 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2004	CERATO		AUTOMATIC TRANSAXLE	1.6LDOHCALL				√	√	√	
KIA	ASIA	2004	CERATO		AUTOMATIC TRANSAXLE	2.0LDOHCALL			√	√	√	√	
KIA	ASIA	2004	CERATO		ANTI-LOCK BRAKESYSTEM				√	√	√	√	1.HCUAIRBLEEDING MODE
KIA	ASIA	2004	CERATO		SRS-AIRBAG				√	√	√	√	
KIA	ASIA	2004	CERATO		CODESAVING								√
KIA	ASIA	2004	CERATO		IMMOBILIZER	2.0L/1.5LDIESELALL						√	
KIA	ASIA	2004	CERATO		IMMOBILIZER	1.6LDOHCALL						√	
KIA	ASIA	2004	CERATO		IMMOBILIZER	2.0LDOHCALL						√	
KIA	ASIA	2007	CARENS		ENGINECONTROL	2.0LDIESEL(CAN)EURO-4			√	√	√	√	
KIA	ASIA	2007	CARENS		ENGINECONTROL	2.0LDIESEL(KWP)EURO-4							
KIA	ASIA	2007	CARENS		ENGINECONTROL	UNLEAD2.0LEOBD			√	√	√	√	
KIA	ASIA	2007	CARENS		ENGINECONTROL	UNLEAD2.0LGEN			√	√	√	√	
KIA	ASIA	2007	CARENS		ENGINECONTROL	LEAD2.0LALL			√	√	√	√	
KIA	ASIA	2007	CARENS		ENGINECONTROL	UNLEAD2.4LEOBD			√	√	√	√	
KIA	ASIA	2007	CARENS		ENGINECONTROL	UNLEAD2.4LGEN			√	√	√	√	
KIA	ASIA	2007	CARENS		ENGINECONTROL	LEAD2.4LALL			√	√	√	√	
KIA	ASIA	2007	CARENS		AUTOMATICTRANSAXLE	2.0I/2.4LSIEMENS			√	√	√	√	
KIA	ASIA	2007	CARENS		AUTOMATICTRANSAXLE	2.0LDIESEL(VGT)EURO-4			√	√	√	√	
KIA	ASIA	2007	CARENS		CODESAVING								√
KIA	ASIA	2006	CARENS		ENGINECONTROL	2.0LDIESEL(CAN)EURO-4			√	√	√	√	
KIA	ASIA	2006	CARENS		ENGINECONTROL	2.0LDIESEL(KWP)EURO-4			√	√	√	√	
KIA	ASIA	2006	CARENS		ENGINECONTROL	2.0LCVVTALL			√	√	√	√	1.FREEZEFRAMEDATA
KIA	ASIA	2006	CARENS		ENGINECONTROL	2.0LDIESELALL(EURO-3)			√	√	√	√	
KIA	ASIA	2006	CARENS		ENGINECONTROL	1.6LDOHC(OBD(W/IMMO)				√	√	√	1.FREEZEFRAMEDATA
KIA	ASIA	2006	CARENS		ENGINECONTROL	1.6LDOHC(OBD(NONIMMO)				√	√	√	1.FREEZEFRAMEDATA
KIA	ASIA	2006	CARENS		ENGINECONTROL	1.8LDOHCNONIMMO				√	√	√	1.FREEZEFRAMEDATA

KIA	ASIA	2006	CARENS	ENGINECONTROL	1.8LDOHCW/IMMO			√	√	√		1.FREEZEFRAMEDATA
KIA	ASIA	2006	CARENS	ENGINECONTROL	1.8LDOHCEURO-IV			√	√	√		1.FREEZEFRAMEDATA
KIA	ASIA	2006	CARENS	ENGINECONTROL	1.8LDOHCLEAD			√	√	√		1.FREEZEFRAMEDATA 2.IDLECO ADJUSTMENT
KIA	ASIA	2006	CARENS	AUTOMATIC TRANSAXLE	DISEL		√	√	√	√	√	
KIA	ASIA	2006	CARENS	AUTOMATIC TRANSAXLE	GASOLIN			√	√	√		
KIA	ASIA	2006	CARENS	ANTI-LOCK BRAKESYSTEM	16PINOBD2CONNECTOR		√	√	√	√	√	1.HCUAIRBLEEDING MODE
KIA	ASIA	2006	CARENS	ANTI-LOCK BRAKESYSTEM	20PINREDKIACONNECTOR		√	√	√	√	√	1.HCUAIRBLEEDING MODE
KIA	ASIA	2006	CARENS	SRS-AIRBAG			√	√	√	√		1.ACTIVEDTC INFORMATION 2.CRASHING INFORMATION
KIA	ASIA	2006	CARENS	IMMOBILIZER	DISEL					√		
KIA	ASIA	2006	CARENS	IMMOBILIZER	GASOLIN					√		
KIA	ASIA	2006	CARENS	CODESAVING								√
KIA	ASIA	2005	CARENS	ENGINECONTROL	2.0LCVVTALL		√	√	√	√	√	1.FREEZEFRAMEDATA
KIA	ASIA	2005	CARENS	ENGINECONTROL	2.0LDIESELALL		√	√	√	√	√	
KIA	ASIA	2005	CARENS	ENGINECONTROL	1.6LDOHCEOBD(W/IMMO)			√	√	√		1.FREEZEFRAMEDATA
KIA	ASIA	2005	CARENS	ENGINECONTROL	1.6LDOHCEOBD(NONIMMO)			√	√	√		1.FREEZEFRAMEDATA
KIA	ASIA	2005	CARENS	ENGINECONTROL	1.8LDOHCNONIMMO			√	√	√		1.FREEZEFRAMEDATA
KIA	ASIA	2005	CARENS	ENGINECONTROL	1.8LDOHCW/IMMO			√	√	√		1.FREEZEFRAMEDATA
KIA	ASIA	2005	CARENS	ENGINECONTROL	1.8LDOHCEURO-IV			√	√	√		1.FREEZEFRAMEDATA
KIA	ASIA	2005	CARENS	ENGINECONTROL	1.8LDOHCLEAD			√	√	√		1.FREEZEFRAMEDATA 2.IDLECO ADJUSTMENT
KIA	ASIA	2005	CARENS	AUTOMATIC TRANSAXLE	DISEL		√	√	√	√	√	
KIA	ASIA	2005	CARENS	AUTOMATIC TRANSAXLE	GASOLIN			√	√	√		
KIA	ASIA	2005	CARENS	ANTI-LOCK BRAKESYSTEM	16PINOBD2CONNECTOR		√	√	√	√	√	1.HCUAIRBLEEDING MODE
KIA	ASIA	2005	CARENS	ANTI-LOCK BRAKESYSTEM	20PINREDKIACONNECTOR		√	√	√	√	√	1.HCUAIRBLEEDING MODE
KIA	ASIA	2005	CARENS	SRS-AIRBAG			√	√	√	√		1.ACTIVEDTC INFORMATION 2.CRASHING INFORMATION
KIA	ASIA	2005	CARENS	IMMOBILIZER	DISEL					√		
KIA	ASIA	2005	CARENS	IMMOBILIZER	GASOLIN					√		
KIA	ASIA	2005	CARENS	CODESAVING								√
KIA	ASIA	2004	CARENS	ENGINECONTROL	2.0LDIESELALL		√	√	√	√	√	
KIA	ASIA	2004	CARENS	ENGINECONTROL	1.6LDOHCEOBD(W/IMMO)			√	√	√		1.FREEZEFRAMEDATA
KIA	ASIA	2004	CARENS	ENGINECONTROL	1.6LDOHCEOBD(NONIMMO)			√	√	√		1.FREEZEFRAMEDATA
KIA	ASIA	2004	CARENS	ENGINECONTROL	1.8LDOHCNONIMMO			√	√	√		1.FREEZEFRAMEDATA
KIA	ASIA	2004	CARENS	ENGINECONTROL	1.8LDOHCW/IMMO			√	√	√		1.FREEZEFRAMEDATA
KIA	ASIA	2004	CARENS	ENGINECONTROL	1.8LDOHCEURO-IV			√	√	√		1.FREEZEFRAMEDATA
KIA	ASIA	2004	CARENS	ENGINECONTROL	1.8LDOHCLEAD			√	√	√		1.FREEZEFRAMEDATA 2.IDLECO ADJUSTMENT
KIA	ASIA	2004	CARENS	AUTOMATIC TRANSAXLE	DISEL		√	√	√	√	√	
KIA	ASIA	2004	CARENS	AUTOMATIC TRANSAXLE	GASOLIN			√	√	√		

KIA	ASIA	2004	CARENS		ANTI-LOCK BRAKESYSTEM	16PINOBD2CONNECTOR		√	√	√	√	√	1.HCUAIRBLEEDING MODE
KIA	ASIA	2004	CARENS		ANTI-LOCK BRAKESYSTEM	20PINREDKIACONNECTOR		√	√	√	√	√	1.HCUAIRBLEEDING MODE
KIA	ASIA	2004	CARENS		SRS-AIRBAG			√	√	√	√		1.ACTIVEDTC INFORMATION 2.CRASHING INFORMATION
KIA	ASIA	2004	CARENS		IMMOBILIZER	DISEL					√		
KIA	ASIA	2004	CARENS		IMMOBILIZER	GASOLIN					√		
KIA	ASIA	2004	CARENS		CODESAVING								√
KIA	ASIA	2003	CARENS		ENGINECONTROL	2.0LDIESELALL		√	√	√	√	√	
KIA	ASIA	2003	CARENS		ENGINECONTROL	1.8LDOHCNONIMMO			√	√	√		1.FREEZEFRAMEDATA
KIA	ASIA	2003	CARENS		ENGINECONTROL	1.8LDOHCW/IMMO			√	√	√		1.FREEZEFRAMEDATA
KIA	ASIA	2003	CARENS		ENGINECONTROL	1.8LDOHCEURO-IV			√	√	√		1.FREEZEFRAMEDATA
KIA	ASIA	2003	CARENS		ENGINECONTROL	1.8LDOHCLEAD			√	√	√		1.FREEZEFRAMEDATA 2.IDLECO ADJUSTMENT
KIA	ASIA	2003	CARENS		AUTOMATIC TRANSAXLE	DISEL		√	√	√	√		
KIA	ASIA	2003	CARENS		AUTOMATIC TRANSAXLE	GASOLIN			√	√	√		
KIA	ASIA	2003	CARENS		ANTI-LOCK BRAKESYSTEM	16PINOBD2CONNECTOR		√	√	√	√		1.HCUAIRBLEEDING MODE
KIA	ASIA	2003	CARENS		ANTI-LOCK BRAKESYSTEM	20PINREDKIACONNECTOR		√	√	√	√		1.HCUAIRBLEEDING MODE
KIA	ASIA	2003	CARENS		SRS-AIRBAG			√	√	√	√		1.ACTIVEDTC INFORMATION 2.CRASHING INFORMATION
KIA	ASIA	2003	CARENS		IMMOBILIZER	DISEL					√		
KIA	ASIA	2003	CARENS		IMMOBILIZER	GASOLIN					√		
KIA	ASIA	2003	CARENS		CODESAVING								√
KIA	ASIA	2002	CARENS		ENGINECONTROL	1.8LDOHCM/T				√	√	√	1.FREEZEFRAMEDATA 2.MONITORING TEST(EURO.ONLY) 3.VEHICLEINFORM.(EURO.ONLY)
KIA	ASIA	2002	CARENS		ENGINECONTROL	1.8LDOHC				√	√	√	1.FREEZEFRAMEDATA 2.MONITORING TEST(EURO.ONLY) 3.VEHICLEINFORM.(EURO.ONLY)
KIA	ASIA	2002	CARENS		AUTOMATIC TRANSAXLE					√	√	√	
KIA	ASIA	2002	CARENS		ANTI-LOCK BRAKESYSTEM			√	√	√	√	√	
KIA	ASIA	2002	CARENS		SRS-AIRBAG					√	√		
KIA	ASIA	2001	CARENS		ENGINECONTROL	1.8LDOHCM/T				√	√	√	1.FREEZEFRAMEDATA 2.MONITORING TEST(EURO.ONLY) 3.VEHICLEINFORM.(EURO.ONLY)
KIA	ASIA	2001	CARENS		ENGINECONTROL	1.8LDOHC				√	√	√	1.FREEZEFRAMEDATA 2.MONITORING TEST(EURO.ONLY) 3.VEHICLEINFORM.(EURO.ONLY)
KIA	ASIA	2001	CARENS		AUTOMATIC TRANSAXLE					√	√	√	
KIA	ASIA	2001	CARENS		ANTI-LOCK BRAKESYSTEM			√	√	√	√	√	
KIA	ASIA	2001	CARENS		SRS-AIRBAG					√	√		
KIA	ASIA	2000	CARENS		ENGINECONTROL	1.8LDOHCGASOLINETED				√	√	√	1.FREEZEFRAMEDATA
KIA	ASIA	2000	CARENS		AUTOMATIC TRANSAXLE					√	√	√	
KIA	ASIA	2000	CARENS		ANTI-LOCK BRAKESYSTEM			√	√	√	√	√	

KIA	ASIA	2000	CARENS		SRS-AIRBAG				√	√				
KIA	ASIA	1999	CARENS		ENGINECONTROL	1.8LDOHCGASOLINETED			√	√	√			1.FREEZEFRAMEDATA
KIA	ASIA	1999	CARENS		AUTOMATIC TRANSAXLE				√	√	√			
KIA	ASIA	1999	CARENS		ANTI-LOCK BRAKESYSTEM			√	√	√	√	√		
KIA	ASIA	1999	CARENS		SRS-AIRBAG				√	√	√			
KIA	ASIA	2008	SPORTAGE		ENGINECONTROL	2.0LDIESEL(CAN)EURO-4		√	√	√	√	√		
KIA	ASIA	2008	SPORTAGE		ENGINECONTROL	2.0LDIESEL(KWP)EURO-4			√	√				
KIA	ASIA	2008	SPORTAGE		ENGINECONTROL	2.0LDIESELEURO-3			√	√				
KIA	ASIA	2008	SPORTAGE		ENGINECONTROL	2.0LCVVTBOBD		√	√	√	√	√		
KIA	ASIA	2008	SPORTAGE		ENGINECONTROL	2.0LCVVTGEN		√	√	√	√	√		
KIA	ASIA	2008	SPORTAGE		ENGINECONTROL	2.0LCVVTLEAD		√	√	√	√	√		
KIA	ASIA	2008	SPORTAGE		ENGINECONTROL	2.7LV6EOBD			√	√	√	√	√	
KIA	ASIA	2008	SPORTAGE		ENGINECONTROL	2.7LV6GEN			√	√			√	
KIA	ASIA	2008	SPORTAGE		ENGINECONTROL	2.7LV6LEAD			√	√			√	
KIA	ASIA	2008	SPORTAGE		AUTOMATICTRANSAXLE	2.0LDIESEL(VGT)EURO-4		√	√	√	√	√	√	
KIA	ASIA	2008	SPORTAGE		AUTOMATICTRANSAXLE	2.0LDIESEL/2.7GASOLINE		√	√	√	√	√	√	
KIA	ASIA	2008	SPORTAGE		AUTOMATICTRANSAXLE	2.0LGASOLINE(PCM)		√	√	√	√	√	√	
KIA	ASIA	2008	SPORTAGE		ABS/ESP									
KIA	ASIA	2008	SPORTAGE		SRS-AIRBAG			√	√	√				CRASHINGINFORMATION
KIA	ASIA	2008	SPORTAGE		FULLAUTOAIR/CON.			√	√	√				
KIA	ASIA	2008	SPORTAGE		4WHEELDRIVE(4WD)				√					
KIA	ASIA	2008	SPORTAGE		IMMOBILIZER	DIESELALL			√	√				
KIA	ASIA	2008	SPORTAGE		IMMOBILIZER	2.0LCVVTALL			√	√				
KIA	ASIA	2008	SPORTAGE		IMMOBILIZER	2.7LV6ALL			√	√				
KIA	ASIA	2008	SPORTAGE		BODYCONTROLMODULE(ETACS)			√	√	√	√			
KIA	ASIA	2008	SPORTAGE		CODESAVING									√
KIA	ASIA	2007	SPORTAGE		ENGINECONTROL	2.0LDIESEL(CAN)EURO-4		√	√	√	√	√		
KIA	ASIA	2007	SPORTAGE		ENGINECONTROL	2.0LDIESEL(KWP)EURO-4			√	√				
KIA	ASIA	2007	SPORTAGE		ENGINECONTROL	2.0LDIESELEURO-3			√	√				
KIA	ASIA	2007	SPORTAGE		ENGINECONTROL	2.0LCVVTBOBD		√	√	√	√	√		
KIA	ASIA	2007	SPORTAGE		ENGINECONTROL	2.0LCVVTGEN		√	√	√	√	√		
KIA	ASIA	2007	SPORTAGE		ENGINECONTROL	2.0LCVVTLEAD		√	√	√	√	√		
KIA	ASIA	2007	SPORTAGE		ENGINECONTROL	2.7LV6EOBD			√	√	√	√	√	
KIA	ASIA	2007	SPORTAGE		ENGINECONTROL	2.7LV6GEN			√	√			√	
KIA	ASIA	2007	SPORTAGE		ENGINECONTROL	2.7LV6LEAD			√	√			√	
KIA	ASIA	2007	SPORTAGE		AUTOMATICTRANSAXLE	2.0LDIESEL(VGT)EURO-4		√	√	√	√	√	√	
KIA	ASIA	2007	SPORTAGE		AUTOMATICTRANSAXLE	2.0LDIESEL/2.7GASOLINE		√	√	√	√	√	√	
KIA	ASIA	2007	SPORTAGE		AUTOMATICTRANSAXLE	2.0LGASOLINE(PCM)		√	√	√	√	√	√	
KIA	ASIA	2007	SPORTAGE		ABS/ESP									
KIA	ASIA	2007	SPORTAGE		SRS-AIRBAG			√	√	√				CRASHINGINFORMATION
KIA	ASIA	2007	SPORTAGE		FULLAUTOAIR/CON.			√	√	√				
KIA	ASIA	2007	SPORTAGE		4WHEELDRIVE(4WD)				√					
KIA	ASIA	2007	SPORTAGE		IMMOBILIZER	DIESELALL			√	√				
KIA	ASIA	2007	SPORTAGE		IMMOBILIZER	2.0LCVVTALL			√	√				

KIA	ASIA	2007	SPORTAGE		IMMOBILIZER	2.7LV6ALL			√	√			
KIA	ASIA	2007	SPORTAGE		BODYCONTROLMODULE(ETACS)			√	√	√	√		
KIA	ASIA	2007	SPORTAGE		CODESAVING								√
KIA	ASIA	2006	SPORTAGE		ENGINECONTROL	2.0LDIESEL(CAN)EURO-4		√	√	√	√	√	
KIA	ASIA	2006	SPORTAGE		ENGINECONTROL	2.0LDIESEL(KWP)EURO-4			√	√			
KIA	ASIA	2006	SPORTAGE		ENGINECONTROL	2.0LDIESELEURO-3			√	√			
KIA	ASIA	2006	SPORTAGE		ENGINECONTROL	2.0LCVVTEOBD		√	√	√	√	√	1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2006	SPORTAGE		ENGINECONTROL	2.0LCVVTGEN		√	√	√	√	√	1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2006	SPORTAGE		ENGINECONTROL	2.0LCVVTLEAD		√	√	√	√	√	1.IDLECO ADJUSTMENT 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2006	SPORTAGE		ENGINECONTROL	2.7LV6EOBD			√	√	√	√	1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2006	SPORTAGE		ENGINECONTROL	2.7LV6GEN			√	√		√	1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2006	SPORTAGE		ENGINECONTROL	2.7LV6LEAD			√	√		√	1.IDLECO ADJUSTMENT 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2006	SPORTAGE		AUTOMATICTRANSAXLE	2.0LDIESEL(VGT)EURO-4		√	√	√	√	√	
KIA	ASIA	2006	SPORTAGE		AUTOMATICTRANSAXLE	2.0LDIESEL/2.7GASOLINE		√	√	√	√	√	
KIA	ASIA	2006	SPORTAGE		AUTOMATICTRANSAXLE	2.0LGASOLINE(PCM)		√	√	√	√	√	1.RESETTING ADAPTIVEVALUES
KIA	ASIA	2006	SPORTAGE		BRAKESYS(ABS/TCS/ESP)			√	√	√	√	√	
KIA	ASIA	2006	SPORTAGE		SRS-AIRBAG			√	√	√			
KIA	ASIA	2006	SPORTAGE		FULLAUTOAIR/CON.			√	√	√	√	√	
KIA	ASIA	2006	SPORTAGE		4WHEELDRIVE(4WD)			√	√	√			
KIA	ASIA	2006	SPORTAGE		IMMOBILIZER	DIESELALL					√		
KIA	ASIA	2006	SPORTAGE		IMMOBILIZER	2.0LCVV/TALL					√		
KIA	ASIA	2006	SPORTAGE		IMMOBILIZER	2.7LV6ALL			√	√	√		
KIA	ASIA	2006	SPORTAGE		BODYCONTROLMODULE(ETACS)			√			√	√	
KIA	ASIA	2006	SPORTAGE		CODESAVING								√
KIA	ASIA	2005	SPORTAGE		ENGINECONTROL	2.0LDISELALL		√	√	√	√	√	
KIA	ASIA	2005	SPORTAGE		ENGINECONTROL	2.0LCVVTEOBD		√	√	√	√	√	1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2005	SPORTAGE		ENGINECONTROL	2.0LCVVTGEN		√	√	√	√	√	1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION

KIA	ASIA	2005	SPORTAGE		ENGINECONTROL	2.0LCVVTLEAD		√	√	√	√	√	1.IDLECO ADJUSTMENT 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2005	SPORTAGE		ENGINECONTROL	2.7LV6EOBD		√	√	√	√	√	1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2005	SPORTAGE		ENGINECONTROL	2.7LV6GEN		√	√	√	√	√	1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2005	SPORTAGE		ENGINECONTROL	2.7LV6LEAD		√	√	√	√	√	1.IDLECO ADJUSTMENT 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2005	SPORTAGE		AUTOMATICTRANSAXLE	2.0LDIESEL/2.7GASOLINE		√	√	√	√	√	
KIA	ASIA	2005	SPORTAGE		AUTOMATICTRANSAXLE	2.0LGASOLINE(PCM)		√	√	√	√	√	1.RESETTING ADAPTIVEVALUES
KIA	ASIA	2005	SPORTAGE		BRAKESYS(ABS/TCS/ESP)			√	√	√	√	√	
KIA	ASIA	2005	SPORTAGE		SRS-AIRBAG			√	√	√			
KIA	ASIA	2005	SPORTAGE		FULLAUTOAIR/CON.			√	√	√	√	√	
KIA	ASIA	2005	SPORTAGE		4WHEELDRIVE(4WD)			√	√	√			
KIA	ASIA	2005	SPORTAGE		IMMOBILIZER	DIESELALL							
KIA	ASIA	2005	SPORTAGE		IMMOBILIZER	2.0LCVVTALL					√		
KIA	ASIA	2005	SPORTAGE		IMMOBILIZER	2.7LV6ALL			√	√	√		
KIA	ASIA	2005	SPORTAGE		BODYCONTROLMODULE(ETACS)			√			√	√	
KIA	ASIA	2005	SPORTAGE		CODESAVING								√
KIA	ASIA	2003	SPORTAGE		ENGINECONTROL	2.0LDOHC(AFM)BOSCH			√	√	√		1.FREEZEFRAMEDATA 2.MONITORING TEST(EURO.ONLY) 3.VEHICLE INFORM(EURO.ONLY)
KIA	ASIA	2003	SPORTAGE		ENGINECONTROL	2.0LDOHC(HFM)LEAD			√	√	√	√	
KIA	ASIA	2003	SPORTAGE		ENGINECONTROL	2.0LDIESELRF-TCI			√	Manual			
KIA	ASIA	2003	SPORTAGE		AUTOMATIC TRANSAXLE	TCUGASOLINE			√	√	√		
KIA	ASIA	2003	SPORTAGE		AUTOMATIC TRANSAXLE	TCUDIESEL			√	√	√		
KIA	ASIA	2003	SPORTAGE		ANTI-LOCK BRAKESYSTEM	ABSGASOLINE		√	√	√	√	√	1.HCUAIRBLEEDINGMODE
KIA	ASIA	2003	SPORTAGE		ANTI-LOCK BRAKESYSTEM	ABSDIESEL		√	√	√	√	√	1.HCUAIRBLEEDINGMODE
KIA	ASIA	2003	SPORTAGE		IMMOBILIZER						√		Normal coding Neutralization Code change Key only matching
KIA	ASIA	2002	SPORTAGE		ENGINECONTROL	2.0LDOHC(AFM)BOSCH			√	√	√		1.FREEZEFRAMEDATA 2.MONITORING TEST(EURO.ONLY) 3.VEHICLE INFORM(EURO.ONLY)
KIA	ASIA	2002	SPORTAGE		ENGINECONTROL	2.0LDOHC(HFM)LEAD			√	√	√	√	
KIA	ASIA	2002	SPORTAGE		ENGINECONTROL	2.0LDIESELRF-TCI			√	Manual			
KIA	ASIA	2002	SPORTAGE		AUTOMATIC TRANSAXLE	TCUGASOLINE			√	√	√		
KIA	ASIA	2002	SPORTAGE		AUTOMATIC TRANSAXLE	TCUDIESEL			√	√	√		
KIA	ASIA	2002	SPORTAGE		ANTI-LOCK BRAKESYSTEM	ABSGASOLINE		√	√	√	√	√	1.HCUAIRBLEEDINGMODE

KIA	ASIA	2002	SPORTAGE		ANTI-LOCK BRAKESYSTEM	ABSDIESEL		√	√	√	√	√	1.HCUAIRBLEEDINGMODE
KIA	ASIA	2002	SPORTAGE		IMMOBILIZER						√		Normal coding Neutralization Code change Key only matching
KIA	ASIA	2001	SPORTAGE		ENGINECONTROL	2.OLDOHC(AFM)BOSCH			√	√	√		1.FREEZEFRAMEDATA 2.MONITORING TEST(EURO.ONLY) 3.VEHICLE INFORM(EURO.ONLY)
KIA	ASIA	2001	SPORTAGE		ENGINECONTROL	2.OLDOHC(HFM)LEAD			√	√	√	√	
KIA	ASIA	2001	SPORTAGE		ENGINECONTROL	2.OLDIESELRF-TCI			√	Manual			
KIA	ASIA	2001	SPORTAGE		AUTOMATIC TRANSAXLE				√	√	√		
KIA	ASIA	2001	SPORTAGE		ANTI-LOCK BRAKESYSTEM	ABSGASOLINE		√	√	√	√	√	1.HCUAIRBLEEDINGMODE
KIA	ASIA	2001	SPORTAGE		ANTI-LOCK BRAKESYSTEM	ABSDIESEL		√	√	√	√	√	1.HCUAIRBLEEDINGMODE
KIA	ASIA	2001	SPORTAGE		IMMOBILIZER						√		Normal coding Neutralization Code change Key only matching
KIA	ASIA	2000	SPORTAGE		ENGINECONTROL	2.OLDOHC(HFM)UNLEAD			√	√	√		1.FREEZEFRAMEDATA
KIA	ASIA	2000	SPORTAGE		ENGINECONTROL	UNLEAD(AUS)			√	√	√		1.FREEZEFRAMEDATA
KIA	ASIA	2000	SPORTAGE		ENGINECONTROL	2.OLDOHC(HFM)UNLEAD			√	√	√	√	
KIA	ASIA	2000	SPORTAGE		ENGINECONTROL	2.OLDIESELRF-TCI		√	Manual				
KIA	ASIA	2000	SPORTAGE		AUTOMATIC TRANSAXLE	GASOLIN/DIESEL		√	√	√			
KIA	ASIA	2000	SPORTAGE		AUTOMATIC TRANSAXLE	UNLEAD(AUS)			√	√	√		
KIA	ASIA	2000	SPORTAGE		IMMOBILIZER						√		Normal coding Neutralization Code change Key only matching
KIA	ASIA	1999	SPORTAGE		ENGINECONTROL	2.OLDOHC(AFM)BOSCH			√	√	√		1.FREEZEFRAMEDATA 2.MONITORING TEST(EURO.ONLY) 3.VEHICLE INFORM(EURO.ONLY)
KIA	ASIA	1999	SPORTAGE		ENGINECONTROL	2.OLDOHC(HFM)LEAD			√	√	√	√	
KIA	ASIA	1999	SPORTAGE		ENGINECONTROL	2.OLDIESELRF-TCI			√	Manual			
KIA	ASIA	1999	SPORTAGE		AUTOMATIC TRANSAXLE				√	√	√		
KIA	ASIA	1999	SPORTAGE		IMMOBILIZER						√		Normal coding Neutralization Code change Key only matching
KIA	ASIA	1998	SPORTAGE		ENGINECONTROL	2.OLDOHC(AFM)BOSCH			√	√	√		1.FREEZEFRAMEDATA 2.MONITORING TEST(EURO.ONLY) 3.VEHICLE INFORM(EURO.ONLY)
KIA	ASIA	1998	SPORTAGE		ENGINECONTROL	2.OLDOHC(HFM)LEAD			√	√	√	√	
KIA	ASIA	1998	SPORTAGE		ENGINECONTROL	2.OLDIESELRF-TCI			√	Manual			
KIA	ASIA	1998	SPORTAGE		AUTOMATIC TRANSAXLE				√	√	√		

KIA	ASIA	1998	SPORTAGE		IMMOBILIZER									Normal coding Neutralization Code change Key only matching
KIA	ASIA	2000	CLARUS		ENGINECONTROL	1.8LGASOLINE			√	√	√	√	√	
KIA	ASIA	2000	CLARUS		ENGINECONTROL	2.0LGASOLINE			√	√	√	√	√	
KIA	ASIA	2000	CLARUS		AUTOMATIC TRANSAXLE					√	√	√		
KIA	ASIA	2000	CLARUS		ANTI-LOCK BRAKESYSTEM					√	√	√	√	1.HCUAIR BLEEDINGMODE
KIA	ASIA	2000	CLARUS		SRS-AIRBAG					√	√			
KIA	ASIA	1999	CLARUS		ENGINECONTROL	1.8LGASOLINE			√	√	√	√	√	
KIA	ASIA	1999	CLARUS		ENGINECONTROL	2.0LGASOLINE			√	√	√	√	√	
KIA	ASIA	1999	CLARUS		AUTOMATIC TRANSAXLE					√	√	√		
KIA	ASIA	1999	CLARUS		ANTI-LOCK BRAKESYSTEM					√	√	√	√	1.HCUAIR BLEEDINGMODE
KIA	ASIA	1999	CLARUS		SRS-AIRBAG					√	√			
KIA	ASIA	1998	CLARUS		ENGINECONTROL	1.8LGASOLINE			√	√	√	√	√	
KIA	ASIA	1998	CLARUS		ENGINECONTROL	2.0LGASOLINE			√	√	√	√	√	
KIA	ASIA	1998	CLARUS		AUTOMATIC TRANSAXLE					√	√	√		
KIA	ASIA	1998	CLARUS		ANTI-LOCK BRAKESYSTEM					√	√	√	√	1.HCUAIR BLEEDINGMODE
KIA	ASIA	1998	CLARUS		SRS-AIRBAG					√	√			
KIA	ASIA	2007	OPTIMA (MAGENTIS)		ENGINECONTROL	2.0LDIESEL(VGT)EURO-4			√	√	√	√	√	
KIA	ASIA	2007	OPTIMA (MAGENTIS)		ENGINECONTROL	UNLEAD2.0LEOBD			√	√	√	√	√	
KIA	ASIA	2007	OPTIMA (MAGENTIS)		ENGINECONTROL	UNLEAD2.0LGEN			√	√	√	√	√	1.RESETTING ADAPTIVE VALUES 2.VERSION CONFIGURATION
KIA	ASIA	2007	OPTIMA (MAGENTIS)		ENGINECONTROL	LEAD2.0LALL			√	√	√	√	√	
KIA	ASIA	2007	OPTIMA (MAGENTIS)		ENGINECONTROL	UNLEAD2.4LEOBD			√	√	√	√	√	
KIA	ASIA	2007	OPTIMA (MAGENTIS)		ENGINECONTROL	UNLEAD2.7LEOBD			√	√	√	√	√	
KIA	ASIA	2007	OPTIMA (MAGENTIS)		ENGINECONTROL	UNLEAD2.7LGEN			√	√	√	√	√	
KIA	ASIA	2007	OPTIMA (MAGENTIS)		ENGINECONTROL	LEAD2.7LALL			√	√	√	√	√	
KIA	ASIA	2007	OPTIMA (MAGENTIS)		AUTOMATICTRANSAXLE	2.0LDIESEL(VGT)EURO-4			√	√	√	√	√	
KIA	ASIA	2007	OPTIMA (MAGENTIS)		AUTOMATICTRANSAXLE	2.0LCVVT			√	√	√	√	√	
KIA	ASIA	2007	OPTIMA (MAGENTIS)		AUTOMATICTRANSAXLE	2.4LCVVT			√	√	√	√	√	
KIA	ASIA	2007	OPTIMA (MAGENTIS)		AUTOMATICTRANSAXLE	2.7LCVVT			√	√	√	√	√	
KIA	ASIA	2007	OPTIMA (MAGENTIS)		ANTI-LOCKBRAKESYSTEM									
KIA	ASIA	2007	OPTIMA (MAGENTIS)		SRS-AIRBAG				√	√	√			1.CRASHINGINFORMATION
KIA	ASIA	2007	OPTIMA (MAGENTIS)		CODESAVING									√
KIA	ASIA	2006	OPTIMA (MAGENTIS)		ENGINECONTROL	2.0LDIESEL(VGT)EURO-4			√	√	√	√	√	
KIA	ASIA	2006	OPTIMA (MAGENTIS)		ENGINECONTROL	UNLEAD2.0LEOBD			√	√	√	√	√	
KIA	ASIA	2006	OPTIMA (MAGENTIS)		ENGINECONTROL	UNLEAD2.0LGEN			√	√	√	√	√	
KIA	ASIA	2006	OPTIMA (MAGENTIS)		ENGINECONTROL	LEAD2.0LALL			√	√	√	√	√	
KIA	ASIA	2006	OPTIMA (MAGENTIS)		ENGINECONTROL	UNLEAD2.4LEOBD			√	√	√	√	√	
KIA	ASIA	2006	OPTIMA (MAGENTIS)		ENGINECONTROL	UNLEAD2.7LEOBD				√	√	√	√	
KIA	ASIA	2006	OPTIMA (MAGENTIS)		ENGINECONTROL	UNLEAD2.7LGEN				√	√	√	√	
KIA	ASIA	2006	OPTIMA (MAGENTIS)		ENGINECONTROL	LEAD2.7LALL				√	√	√	√	
KIA	ASIA	2006	OPTIMA (MAGENTIS)		AUTOMATICTRANSAXLE	2.0LDIESEL(VGT)EURO-4			√	√	√	√	√	
KIA	ASIA	2006	OPTIMA (MAGENTIS)		AUTOMATICTRANSAXLE	2.7LCVVT				√	√	√	√	

KIA	ASIA	2006	OPTIMA (MAGENTIS)		ANTI-LOCKBRAKESYSTEM									
KIA	ASIA	2006	OPTIMA (MAGENTIS)		SRS-AIRBAG			√	√	√				1.CRASHINGINFORMATION
KIA	ASIA	2006	OPTIMA (MAGENTIS)		CODESAVING									√
KIA	ASIA	2004~2005	OPTIMA (MAGENTIS)		ENGINECONTROL	1.8LGASOLINE		√	√	√	√	√		
KIA	ASIA	2004~2005	OPTIMA (MAGENTIS)		ENGINECONTROL	2.7LV6GASOLINE		√	√	√	√	√		1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2004~2005	OPTIMA (MAGENTIS)		ENGINECONTROL	2.5LV6(Tio2)EURO-III		√	√	√	√	√		1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2004~2005	OPTIMA (MAGENTIS)		ENGINECONTROL	2.5LV6(Zio2)EURO-III		√	√	√	√	√		1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2004~2005	OPTIMA (MAGENTIS)		ENGINECONTROL	2.5LV6GENERAL		√	√	√	√	√		1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2004~2005	OPTIMA (MAGENTIS)		ENGINECONTROL	2.5LV6LEAD		√	√	√	√	√		1.IDLECO ADJUSTMENT 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2004~2005	OPTIMA (MAGENTIS)		ENGINECONTROL	2.4DOHCMELCO			√	√	√	√		1.FREEZEFRAME DATA
KIA	ASIA	2004~2005	OPTIMA (MAGENTIS)		ENGINECONTROL	2.0LDOHCA/TMELCO			√	√	√	√		1.FREEZEFRAME DATA
KIA	ASIA	2004~2005	OPTIMA (MAGENTIS)		ENGINECONTROL	2.0LDOHCA/TLEAD			√	√	√	√		1.FREEZEFRAME DATA
KIA	ASIA	2004~2005	OPTIMA (MAGENTIS)		ENGINECONTROL	2.0LDOHCM/TMELCO			√	√	√	√		1.FREEZEFRAME DATA
KIA	ASIA	2004~2005	OPTIMA (MAGENTIS)		ENGINECONTROL	2.0LDOHCM/TLEAD			√	√	√	√		1.FREEZEFRAME DATA
KIA	ASIA	2004~2005	OPTIMA (MAGENTIS)		AUTOMATIC TRANSAXLE	TCUFOR2.5L/2.7LGASOL.		√	√	√	√	√		
KIA	ASIA	2004~2005	OPTIMA (MAGENTIS)		AUTOMATIC TRANSAXLE	TCUFOR2.4LGASOLINE		√	√	√	√	√		
KIA	ASIA	2004~2005	OPTIMA (MAGENTIS)		AUTOMATIC TRANSAXLE	TCUFOR2.0LGASOLINE		√	√	√	√	√		
KIA	ASIA	2004~2005	OPTIMA (MAGENTIS)		ANTI-LOCK BRAKESYSTEM			√	√	√	√	√		
KIA	ASIA	2004~2005	OPTIMA (MAGENTIS)		SRS-AIRBAG			√	√	√	√			1.ACTIVEDTC INFORMATION 2.HISTORYDTC INFORMATION
KIA	ASIA	2004~2005	OPTIMA (MAGENTIS)		CODESAVING									√
KIA	ASIA	2003	OPTIMA (MAGENTIS)		ENGINECONTROL	2.7LV6GASOLINE		√	√	√	√	√		1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2003	OPTIMA (MAGENTIS)		ENGINECONTROL	2.5LV6(Tio2)EURO-III		√	√	√	√	√		1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2003	OPTIMA (MAGENTIS)		ENGINECONTROL	2.5LV6(Zio2)EURO-III		√	√	√	√	√		1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2003	OPTIMA (MAGENTIS)		ENGINECONTROL	2.5LV6GENERAL		√	√	√	√	√		1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION

KIA	ASIA	2003	OPTIMA (MAGENTIS)	ENGINECONTROL	2.5LV6LEAD		√	√	√	√	√	1.IDLECO ADJUSTMENT 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2003	OPTIMA (MAGENTIS)	ENGINECONTROL	2.4DOHCMELCO			√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	2003	OPTIMA (MAGENTIS)	ENGINECONTROL	2.0LDOHCA/TMELCO			√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	2003	OPTIMA (MAGENTIS)	ENGINECONTROL	2.0LDOHCA/TLEAD			√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	2003	OPTIMA (MAGENTIS)	ENGINECONTROL	2.0LDOHCM/TMELCO			√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	2003	OPTIMA (MAGENTIS)	ENGINECONTROL	2.0LDOHCM/TLEAD			√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	2003	OPTIMA (MAGENTIS)	AUTOMATIC TRANSAXLE	TCUFOR2.5L/2.7LGASOL.		√	√	√	√	√	
KIA	ASIA	2003	OPTIMA (MAGENTIS)	AUTOMATIC TRANSAXLE	TCUFOR2.4LGASOLINE		√	√	√	√	√	
KIA	ASIA	2003	OPTIMA (MAGENTIS)	AUTOMATIC TRANSAXLE	TCUFOR2.0LGASOLINE		√	√	√	√	√	
KIA	ASIA	2003	OPTIMA (MAGENTIS)	ANTI-LOCK BRAKESYSTEM			√	√	√	√	√	
KIA	ASIA	2003	OPTIMA (MAGENTIS)	SRS-AIRBAG			√	√	√	√		1.ACTIVEDTC INFORMATION 2.HISTORYDTC INFORMATION
KIA	ASIA	2003	OPTIMA (MAGENTIS)	CODESAVING								√
KIA	ASIA	2002	OPTIMA (MAGENTIS)	ENGINECONTROL	2.7LV6GASOLINE		√	√	√	√	√	1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2002	OPTIMA (MAGENTIS)	ENGINECONTROL	2.5LV6(Tio2)EURO-III		√	√	√	√	√	1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2002	OPTIMA (MAGENTIS)	ENGINECONTROL	2.5LV6(Zio2)EURO-III		√	√	√	√	√	1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2002	OPTIMA (MAGENTIS)	ENGINECONTROL	2.5LV6GENERAL		√	√	√	√	√	1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2002	OPTIMA (MAGENTIS)	ENGINECONTROL	2.5LV6LEAD		√	√	√	√	√	1.IDLECO ADJUSTMENT 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2002	OPTIMA (MAGENTIS)	ENGINECONTROL	2.4DOHCMELCO			√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	2002	OPTIMA (MAGENTIS)	ENGINECONTROL	2.0LDOHCA/TMELCO			√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	2002	OPTIMA (MAGENTIS)	ENGINECONTROL	2.0LDOHCA/TLEAD			√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	2002	OPTIMA (MAGENTIS)	ENGINECONTROL	2.0LDOHCM/TMELCO			√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	2002	OPTIMA (MAGENTIS)	ENGINECONTROL	2.0LDOHCM/TLEAD			√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	2002	OPTIMA (MAGENTIS)	AUTOMATIC TRANSAXLE	TCUFOR2.5L/2.7LGASOL.		√	√	√	√	√	
KIA	ASIA	2002	OPTIMA (MAGENTIS)	AUTOMATIC TRANSAXLE	TCUFOR2.4LGASOLINE		√	√	√	√	√	
KIA	ASIA	2002	OPTIMA (MAGENTIS)	AUTOMATIC TRANSAXLE	TCUFOR2.0LGASOLINE		√	√	√	√	√	
KIA	ASIA	2002	OPTIMA (MAGENTIS)	ANTI-LOCK BRAKESYSTEM				√	√	√	√	1.HCUAIRBLEEDINGMODE
KIA	ASIA	2002	OPTIMA (MAGENTIS)	SRS-AIRBAG			√	√	√	√		1.ACTIVEDTC INFORMATION 2.HISTORYDTC INFORMATION
KIA	ASIA	2000~2001	OPTIMA (MAGENTIS)	ENGINECONTROL	2.5LV6EURO-III		√	√	√	√	√	
KIA	ASIA	2000~2001	OPTIMA (MAGENTIS)	ENGINECONTROL	2.5LV6GENERAL		√	√	√	√	√	
KIA	ASIA	2000~2001	OPTIMA (MAGENTIS)	ENGINECONTROL	2.5LV6LEAD		√	√	√	√	√	
KIA	ASIA	2000~2001	OPTIMA (MAGENTIS)	ENGINECONTROL	2.4LDOHCMELCO			√	√	√	√	

KIA	ASIA	2000~2001	OPTIMA (MAGENTIS)	ENGINECONTROL	2.0LDOHCA/TMELCO			√	√	√	√	
KIA	ASIA	2000~2001	OPTIMA (MAGENTIS)	ENGINECONTROL	2.0LDOHCA/LEAD			√	√	√	√	
KIA	ASIA	2000~2001	OPTIMA (MAGENTIS)	ENGINECONTROL	2.0LDOHCM/TMELCO			√	√	√	√	
KIA	ASIA	2000~2001	OPTIMA (MAGENTIS)	ENGINECONTROL	2.0LDOHCM/LEAD			√	√	√	√	
KIA	ASIA	2000~2001	OPTIMA (MAGENTIS)	AUTOMATICTRANSAXLE	TCUFOR2.5LGASOL.		√	√	√	√	√	
KIA	ASIA	2000~2001	OPTIMA (MAGENTIS)	AUTOMATICTRANSAXLE	TCUFOR2.4LGASOLINE		√	√	√	√	√	
KIA	ASIA	2000~2001	OPTIMA (MAGENTIS)	AUTOMATICTRANSAXLE	TCUFOR2.0LGASOLINE		√	√	√	√	√	
KIA	ASIA	2000~2001	OPTIMA (MAGENTIS)	ANTI-LOCK BRAKESYSTEM				√	√	√	√	1.HCUAIRBLEEDINGMODE
KIA	ASIA	2000~2001	OPTIMA (MAGENTIS)	SRS-AIRBAG			√	√	√	√		1.ACTIVEDTC INFORMATION 2.HISTORYDTC INFORMATION
KIA	ASIA	1998	ELAN	ENGINECONTROL				√	√	√	√	
KIA	ASIA	1998	ELAN	SRS-AIRBAG				√	√	√	√	
KIA	ASIA	1997	ELAN	ENGINECONTROL				√	√	√	√	
KIA	ASIA	1997	ELAN	SRS-AIRBAG				√	√	√	√	
KIA	ASIA	All Model year	POTENTIA	ENGINECONTROL	2.0LDOHC(HFM)UNLEAD			√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	All Model year	POTENTIA	ENGINECONTROL	2.0LDOHC(HFM)LEAD		√	√	√	√	√	
KIA	ASIA	All Model year	POTENTIA	AUTOMATICTRANSAXLE				√	Manual			
KIA	ASIA	All Model year	POTENTIA	ANTI-LOCKBRAKESYSTEM	ABS5			√	√	√	√	
KIA	ASIA	All Model year	POTENTIA	ANTI-LOCKBRAKESYSTEM	ABS/ASR5(INCULDETCS)			√	√	√	√	
KIA	ASIA	All Model year	ENTERPRISE	ENGINECONTROL	2.5LGASOLINEJ5D			√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	All Model year	ENTERPRISE	ENGINECONTROL	3.0LGASOLINEJED			√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	All Model year	ENTERPRISE	ENGINECONTROL	OBD-II98-99MY			√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	All Model year	ENTERPRISE	AUTOMATICTRANSAXLE				√	Manual			
KIA	ASIA	All Model year	ENTERPRISE	ANTI-LOCKBRAKESYSTEM	3.0LGASOLINEJED			√	√	√	√	
KIA	ASIA	All Model year	ENTERPRISE	ANTI-LOCKBRAKESYSTEM	3.6LGASOLINEJ6D			√	√	√	√	
KIA	ASIA	2007	CARNIVAL(SEDONA)	ENGIENCONTROL	2.7/3.8LGASOLINEEOBD		√	√	√	√	√	
KIA	ASIA	2007	CARNIVAL(SEDONA)	ENGIENCONTROL	2.7/3.8LGASOLINEGEN		√	√	√	√	√	
KIA	ASIA	2007	CARNIVAL(SEDONA)	ENGIENCONTROL	2.7/3.8LGASOLINELEAD		√	√	√	√	√	
KIA	ASIA	2007	CARNIVAL(SEDONA)	ENGIENCONTROL	J2.9VGT(DIESEL)C/RAIL		√	√	√	√	√	
KIA	ASIA	2007	CARNIVAL(SEDONA)	ENGIENCONTROL	J2.9VGT (DIESEL) C/RAIL		√	√	√	√	√	
KIA	ASIA	2007	CARNIVAL(SEDONA)	AUTOMATICTRANSAXLE	TCU2.7/3.8L(GASOLINE)		√	√	√	√	√	
KIA	ASIA	2007	CARNIVAL(SEDONA)	AUTOMATICTRANSAXLE	TCU2.7/3.8L(DIESEL)		√	√	√	√	√	
KIA	ASIA	2007	CARNIVAL(SEDONA)	AUTOMATICTRANSAXLE	TCU2.9VGT(DIESEL)		√	√	√	√	√	
KIA	ASIA	2007	CARNIVAL(SEDONA)	ANTI-SKIDBRAKESYSTEM								
KIA	ASIA	2007	CARNIVAL(SEDONA)	SRS-AIRBAG	LONGBODYAIRBAG							1.CRASHINGINFORMATION
KIA	ASIA	2007	CARNIVAL(SEDONA)	SRS-AIRBAG	SHORTBODYAIRBAG							1.CRASHINGINFORMATINO
KIA	ASIA	2007	CARNIVAL(SEDONA)	CODESAVING								√
KIA	ASIA	2006	CARNIVAL(SEDONA)	ENGINECONTROL	2.7/3.8LGASOLINEEOBD		√	√	√	√	√	
KIA	ASIA	2006	CARNIVAL(SEDONA)	ENGINECONTROL	2.7/3.8LGASOLINEGEN		√	√	√	√	√	
KIA	ASIA	2006	CARNIVAL(SEDONA)	ENGINECONTROL	2.7/3.8LGASOLINELEAD		√	√	√	√	√	
KIA	ASIA	2006	CARNIVAL(SEDONA)	ENGINECONTROL	J2.9VGT(DIESEL)C/RAIL		√	√	√	√	√	
KIA	ASIA	2006	CARNIVAL(SEDONA)	ENGINECONTROL	J2.9VGT (DIESEL) C/RAIL		√	√	√	√	√	
KIA	ASIA	2006	CARNIVAL(SEDONA)	AUTOMATICTRANSAXLE	TCU2.7/3.8L(GASOLINE)		√	√	√	√	√	

KIA	ASIA	2006	CARNIVAL(SEDONA)	AUTOMATICTRANSAXLE	TCU2.9WGT (DIESEL)		√	√	√	√	√	
KIA	ASIA	2006	CARNIVAL(SEDONA)	AUTOMATICTRANSAXLE	TCU2.9WGT(DIESEL)		√	√	√	√	√	
KIA	ASIA	2006	CARNIVAL(SEDONA)	ANTI-SKIDBRAKESYSTEM								
KIA	ASIA	2006	CARNIVAL(SEDONA)	SRS-AIRAG								
KIA	ASIA	2006	CARNIVAL(SEDONA)	CODESAVING								√
KIA	ASIA	2005	CARNIVAL(SEDONA)	ENGINECONTROL	3.5LGASOLINECHINA		√	√	√	√	√	1.FREEZEFRAMEDATA 2.IDLERPMADJUSTNODE
KIA	ASIA	2005	CARNIVAL(SEDONA)	ENGINECONTROL	3.5LGASOLINEM/EAST		√	√	√	√	√	1.FREEZEFRAMEDATA 2.IDLERPMADJUSTNODE
KIA	ASIA	2005	CARNIVAL(SEDONA)	ENGINECONTROL	2.5LV6EURO-III		√	√	√	√	√	
KIA	ASIA	2005	CARNIVAL(SEDONA)	ENGINECONTROL	2.5LGASOLINEKV6			√	√	√	√	
KIA	ASIA	2005	CARNIVAL(SEDONA)	ENGINECONTROL	2.9LDIESEL/RAIL		√	√	√	√	√	
KIA	ASIA	2005	CARNIVAL(SEDONA)	ENGINECONTROL	3.0LDIESELJ3TCI			√	Manual			
KIA	ASIA	2005	CARNIVAL(SEDONA)	AUTOMATICTRANSAXLE	3.5LGASOLINEM/EAST		√	√	√	√	√	
KIA	ASIA	2005	CARNIVAL(SEDONA)	AUTOMATICTRANSAXLE	GASOLIN		√	√	√	√	√	
KIA	ASIA	2005	CARNIVAL(SEDONA)	AUTOMATICTRANSAXLE	DIESEL			√	√	√	√	
KIA	ASIA	2005	CARNIVAL(SEDONA)	ANTI-LOCKBRAKESYSTEM	ABS		√	√	√	√	√	1.HCUAIR BLEEDINGMODE
KIA	ASIA	2005	CARNIVAL(SEDONA)	ANTI-LOCKBRAKESYSTEM	ABSEURO-III		√	√	√	√	√	1.HCUAIR BLEEDINGMODE
KIA	ASIA	2005	CARNIVAL(SEDONA)	ANTI-LOCKBRAKESYSTEM	ABSC/RAIL		√	√	√	√	√	1.HCUAIR BLEEDINGMODE
KIA	ASIA	2005	CARNIVAL(SEDONA)	SRS-AIRBAG			√	√	√	√		1.ACTIVEDTC INFORMATION 2.HISTORYDTC INFORMATION
KIA	ASIA	2004	CARNIVAL(SEDONA)	ENGINECONTROL	3.5LGASOLINEM/EAST		√	√	√	√	√	1.FREEZEFRAMEDATA 2.IDLERPMADJUSTNODE
KIA	ASIA	2004	CARNIVAL(SEDONA)	ENGINECONTROL	2.5LV6EURO-III		√	√	√	√	√	
KIA	ASIA	2004	CARNIVAL(SEDONA)	ENGINECONTROL	2.5LGASOLINEKV6			√	√	√	√	
KIA	ASIA	2004	CARNIVAL(SEDONA)	ENGINECONTROL	2.9LDIESEL/RAIL		√	√	√	√	√	
KIA	ASIA	2004	CARNIVAL(SEDONA)	ENGINECONTROL	3.0LDIESELJ3TCI			√	Manual			
KIA	ASIA	2004	CARNIVAL(SEDONA)	AUTOMATICTRANSAXLE	3.5LGASOLINEM/EAST		√	√	√	√	√	
KIA	ASIA	2004	CARNIVAL(SEDONA)	AUTOMATICTRANSAXLE	GASOLIN		√	√	√	√	√	
KIA	ASIA	2004	CARNIVAL(SEDONA)	AUTOMATICTRANSAXLE	DIESEL			√	√	√	√	
KIA	ASIA	2004	CARNIVAL(SEDONA)	ANTI-LOCKBRAKESYSTEM	ABS		√	√	√	√	√	1.HCUAIR BLEEDINGMODE
KIA	ASIA	2004	CARNIVAL(SEDONA)	ANTI-LOCKBRAKESYSTEM	ABSEURO-III		√	√	√	√	√	1.HCUAIR BLEEDINGMODE
KIA	ASIA	2004	CARNIVAL(SEDONA)	ANTI-LOCKBRAKESYSTEM	ABSC/RAIL		√	√	√	√	√	1.HCUAIR BLEEDINGMODE
KIA	ASIA	2004	CARNIVAL(SEDONA)	SRS-AIRBAG			√	√	√	√		1.ACTIVEDTC INFORMATION 2.HISTORYDTC INFORMATION
KIA	ASIA	2003	CARNIVAL(SEDONA)	ENGINECONTROL	3.5LGASOLINEM/EAST		√	√	√	√	√	1.FREEZEFRAMEDATA 2.IDLERPMADJUSTNODE
KIA	ASIA	2003	CARNIVAL(SEDONA)	ENGINECONTROL	2.5LV6EURO-III		√	√	√	√	√	
KIA	ASIA	2003	CARNIVAL(SEDONA)	ENGINECONTROL	2.5LGASOLINEKV6			√	√	√	√	
KIA	ASIA	2003	CARNIVAL(SEDONA)	ENGINECONTROL	2.9LDIESEL/RAIL		√	√	√	√	√	

KIA	ASIA	2003	CARNIVAL(SEDONA)	ENGINECONTROL	3.0LDIESELJ3TCI			√	Manual				
KIA	ASIA	2003	CARNIVAL(SEDONA)	AUTOMATICTRANSAXLE	3.5LGASOLINEM/EAST		√	√	√	√	√		
KIA	ASIA	2003	CARNIVAL(SEDONA)	AUTOMATICTRANSAXLE	GASOLIN		√	√	√	√	√		
KIA	ASIA	2003	CARNIVAL(SEDONA)	AUTOMATICTRANSAXLE	DIESEL			√	√	√	√		
KIA	ASIA	2003	CARNIVAL(SEDONA)	ANTI-LOCKBRAKESYSTEM	ABS		√	√	√	√	√		1.HCUAIR BLEEDINGMODE
KIA	ASIA	2003	CARNIVAL(SEDONA)	ANTI-LOCKBRAKESYSTEM	ABSEURO-III		√	√	√	√	√		1.HCUAIR BLEEDINGMODE
KIA	ASIA	2003	CARNIVAL(SEDONA)	ANTI-LOCKBRAKESYSTEM	ABSC/RAIL		√	√	√	√	√		1.HCUAIR BLEEDINGMODE
KIA	ASIA	2003	CARNIVAL(SEDONA)	SRS-AIRBAG			√	√	√	√			1.ACTIVEDTC INFORMATION 2.HISTORYDTC INFORMATION
KIA	ASIA	2002	CARNIVAL(SEDONA)	ENGINECONTROL	2.5LV6EURO-III		√	√	√	√	√		
KIA	ASIA	2002	CARNIVAL(SEDONA)	ENGINECONTROL	2.5LGASOLINEKV6			√	√	√	√		
		2002	CARNIVAL(SEDONA)	ENGINECONTROL	2.5LGASOLINE(GENERAL)KV6			√	√	√	√		1.IDLECO ADJUSTMENT
KIA	ASIA	2002	CARNIVAL(SEDONA)	ENGINECONTROL	2.9LDIESEL/RAIL		√	√	√	√	√		
KIA	ASIA	2002	CARNIVAL(SEDONA)	ENGINECONTROL	3.0LDIESELJ3TCI			√	Manual				
		2002	CARNIVAL(SEDONA)	ENGINECONTROL	3.0LDIESEL(GEN.)J4TCI			√	Manual				
KIA	ASIA	2002	CARNIVAL(SEDONA)	AUTOMATICTRANSAXLE	GASOLIN		√	√	√	√	√		
KIA	ASIA	2002	CARNIVAL(SEDONA)	AUTOMATICTRANSAXLE	DIESEL			√	√	√	√		
KIA	ASIA	2002	CARNIVAL(SEDONA)	ANTI-LOCKBRAKESYSTEM	ABS		√	√	√	√	√		1.HCUAIR BLEEDINGMODE
KIA	ASIA	2002	CARNIVAL(SEDONA)	ANTI-LOCKBRAKESYSTEM	ABSEURO-III		√	√	√	√	√		1.HCUAIR BLEEDINGMODE
KIA	ASIA	2002	CARNIVAL(SEDONA)	ANTI-LOCKBRAKESYSTEM	ABSC/RAIL		√	√	√	√	√		1.HCUAIR BLEEDINGMODE
KIA	ASIA	2002	CARNIVAL(SEDONA)	SRS-AIRBAG			√	√	√	√			1.ACTIVEDTC INFORMATION 2.HISTORYDTC INFORMATION
KIA	ASIA	2000~2001	CARNIVAL(SEDONA)	ENGINECONTROL	2.5LGASOLINE(EUROPE)KV6			√	√	√	√		
KIA	ASIA	2000~2001	CARNIVAL(SEDONA)	ENGINECONTROL	2.5LGASOLINE(GENERAL)KV6			√	√	√	√		1.IDLECO ADJUSTMENT
KIA	ASIA	2000~2001	CARNIVAL(SEDONA)	ENGINECONTROL	3.0LDIESEL(EUROPE)J3TCI			√	Manual				
KIA	ASIA	2000~2001	CARNIVAL(SEDONA)	ENGINECONTROL	3.0LDIESEL(GEN.)J4TCI			√	Manual				
KIA	ASIA	2000~2001	CARNIVAL(SEDONA)	AUTOMATICTRANSAXLE	TCU(GENERAL)GAS		√	√	√	√	√		
KIA	ASIA	2000~2001	CARNIVAL(SEDONA)	AUTOMATICTRANSAXLE	TCU(EUROPE)GAS		√	√	√	√	√		
KIA	ASIA	2000~2001	CARNIVAL(SEDONA)	AUTOMATICTRANSAXLE	TCU(GENERAL)DIESEL			√	√	√	√		
KIA	ASIA	2000~2001	CARNIVAL(SEDONA)	AUTOMATICTRANSAXLE	TCU(EUROPE)DIESEL			√	√	√	√		
KIA	ASIA	2000~2001	CARNIVAL(SEDONA)	ANTI-LOCKBRAKESYSTEM	ABS(EUROPE)		√	√	√	√	√		1.HCUAIR BLEEDINGMODE
KIA	ASIA	2000~2001	CARNIVAL(SEDONA)	ANTI-LOCKBRAKESYSTEM	ABS(GENERAL)GAS		√	√	√	√	√		1.HCUAIR BLEEDINGMODE

KIA	ASIA	2000~2001	CARNIVAL(SEDONA)		ANTI-LOCKBRAKESYSTEM	ABS(GENERAL)DIESEL		√	√	√	√	√	1.HCUAIR BLEEDINGMODE
KIA	ASIA	2000~2001	CARNIVAL(SEDONA)		SRS-AIRBAG	A/BAG(EUROPE)		√	√	√	√		1.ACTIVEDTC INFORMATION 2.HISTORYDTC INFORMATION
KIA	ASIA	2000~2001	CARNIVAL(SEDONA)		SRS-AIRBAG	A/BAG(GENERAL)		√	√	√	√		1.ACTIVEDTC INFORMATION 2.HISTORYDTC INFORMATION
KIA	ASIA	1998~1999	CARNIVAL(SEDONA)		ENGINECONTROL	2.5LGASOLINE(EUROPE)KV6			√	√	√	√	
KIA	ASIA	1998~1999	CARNIVAL(SEDONA)		ENGINECONTROL	2.5LGASOLINE(GENERAL)KV6			√	√	√	√	1.IDLECO ADJUSTMENT
KIA	ASIA	1998~1999	CARNIVAL(SEDONA)		ENGINECONTROL	3.0LDIESEL(EUROPE)J3TCI			√	Manual			
KIA	ASIA	1998~1999	CARNIVAL(SEDONA)		ENGINECONTROL	3.0LDIESEL(GEN.)J4TCI			√	Manual			
KIA	ASIA	1998~1999	CARNIVAL(SEDONA)		AUTOMATICTRANSAXLE	TCU(GENERAL)GAS		√	√	√	√	√	
KIA	ASIA	1998~1999	CARNIVAL(SEDONA)		AUTOMATICTRANSAXLE	TCU(EUROPE)GAS		√	√	√	√	√	
KIA	ASIA	1998~1999	CARNIVAL(SEDONA)		AUTOMATICTRANSAXLE	TCU(GENERAL)DIESEL			√	√	√		
KIA	ASIA	1998~1999	CARNIVAL(SEDONA)		AUTOMATICTRANSAXLE	TCU(EUROPE)DIESEL			√	√	√		
KIA	ASIA	1998~1999	CARNIVAL(SEDONA)		ANTI-LOCKBRAKESYSTEM	ABS(EUROPE)		√	√	√	√	√	1.HCUAIR BLEEDINGMODE
KIA	ASIA	1998~1999	CARNIVAL(SEDONA)		ANTI-LOCKBRAKESYSTEM	ABS(GENERAL)GAS		√	√	√	√	√	1.HCUAIR BLEEDINGMODE
KIA	ASIA	1998~1999	CARNIVAL(SEDONA)		ANTI-LOCKBRAKESYSTEM	ABS(GENERAL)DIESEL		√	√	√	√	√	1.HCUAIR BLEEDINGMODE
KIA	ASIA	1998~1999	CARNIVAL(SEDONA)		SRS-AIRBAG	A/BAG(EUROPE)		√	√	√	√		1.ACTIVEDTC INFORMATION 2.HISTORYDTC INFORMATION
KIA	ASIA	1998~1999	CARNIVAL(SEDONA)		SRS-AIRBAG	A/BAG(GENERAL)		√	√	√	√		1.ACTIVEDTC INFORMATION 2.HISTORYDTC INFORMATION
KIA	ASIA	All Model year	RETONA		ENGINECONTROL	2.0LGASOLINE			√	√	√		1.FREEZEFRAMEDATA
KIA	ASIA	All Model year	RETONA		ENGINECONTROL	2.0LDIESELRF-TCI			√	Manual			
KIA	ASIA	All Model year	RETONA		AUTOMATICTRANSAXLE				√	√	√		
KIA	ASIA	All Model year	JOICE		ENGINECONTROL	2.0LGASOLINEEURO-III			√	√	√	√	1.FREEZEFRAMEDATA
KIA	ASIA	All Model year	JOICE		ANTI-LOCKBRAKESYSTEM				√	√	√	√	1.HCUAIR BLEEDINGMODE
KIA	ASIA	All Model year	JOICE		SRS-AIRBAG			√	√	√	√		1.ACTIVEDTC INFORMATION 2.HISTORYDTC INFORMATION
KIA	ASIA	2006	PREGIO(BESTA)		ENGINECONTROL	2.5LDIESEL(4D56TCI)		√	√	√	√	√	
KIA	ASIA	2004~2005	PREGIO(BESTA)		ENGINECONTROL	2.5LDIESEL(4D56TCI)		√	√	√	√	√	
KIA	ASIA	2003	PREGIO(BESTA)		ENGINECONTROL	2.5LDIESEL(4D56TCI)		√	√	√	√	√	
KIA	ASIA	2002	PREGIO(BESTA)		ENGINECONTROL	2.5LDIESEL(4D56TCI)		√	√	√	√	√	
KIA	ASIA	2008	K2500/K2900		ENGINECONTROL	J2.9WGT(DIESEL)C/RAIL		√	√	√	√	√	
KIA	ASIA	2007	K2500/K2900		ENGINECONTROL	2.5LDIESEL(4D56TCI)		√	√	√	√	√	
KIA	ASIA	2006	K2500/K2900		ENGINECONTROL	2.5LDIESEL(4D56TCI)		√	√	√	√	√	

KIA	ASIA	2004~2005	K2500/K2900	ENGINECONTROL	2.5LDIESEL(4D56TCI)		√	√	√	√	√	
KIA	ASIA	2003	K2500/K2900	ENGINECONTROL	2.5LDIESEL(4D56TCI)		√	√	√	√	√	
KIA	ASIA	2002	K2500/K2900	ENGINECONTROL	2.5LDIESEL(4D56TCI)		√	√	√	√	√	
KIA	ASIA	2007	SORENTO	ENGINECONTROL	UNLEAD3.3L/3.8LEOBD		√	√	√	√	√	
KIA	ASIA	2007	SORENTO	ENGINECONTROL	UNLEAD3.3L/3.8LGEN		√	√	√	√	√	
KIA	ASIA	2007	SORENTO	ENGINECONTROL	LEAD3.3L/3.8LALL		√	√	√	√	√	
KIA	ASIA	2007	SORENTO	ENGINECONTROL	2.5LDIESEL(CAN)EURO-4		√	√	√	√	√	
KIA	ASIA	2007	SORENTO	AUTOMATICTRANSAXLE	GASOLINE(CAN)BOSCH		√	√	√	√	√	
KIA	ASIA	2007	SORENTO	ANTI-LOCKBRAKESYSTEM								
KIA	ASIA	2007	SORENTO	SRS-AIRBAG								
KIA	ASIA	2007	SORENTO	CODESAVING								√
KIA	ASIA	2004~2005	SORENTO	ENGINECONTROL	ENGINEIDIESEL(A-ENG)		√	√	√	√	√	
KIA	ASIA	2004~2005	SORENTO	ENGINECONTROL	3.5LV6GASOLINEALL		√	√	√	√	√	1.FREEZEFRAME DATA 2.IDLERPMADJUST MODE
KIA	ASIA	2004~2005	SORENTO	ENGINECONTROL	2.4LGASOLINEUNLEAD		√	√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	2004~2005	SORENTO	ENGINECONTROL	2.4LGASOLINELEAD		√	√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	2004~2005	SORENTO	AUTOMATICTRANSAXLE	AUTO.TRANSAXLE(4GEARS)		√	√	√	√	√	
KIA	ASIA	2004~2005	SORENTO	AUTOMATICTRANSAXLE	AUTO.TRANSAXLE(5GEARS)		√	√	√	√		
KIA	ASIA	2004~2005	SORENTO	ANTI-LOCKBRAKESYSTEM			√	√	√	√	√	
KIA	ASIA	2004~2005	SORENTO	SRS-AIRBAG			√	√	√	√		1.ACTIVEDTC INFORMATION 2.HISTORYDTC INFORMATION
KIA	ASIA	2004~2005	SORENTO	ELEC.POWERSTEERING			√	√	√	√		
KIA	ASIA	2004~2005	SORENTO	4WHEELDRIVE(4WD)	4WD(TOD-AUTO)			√	√			
KIA	ASIA	2004~2005	SORENTO	FUELFIREDEHEATER				√	√	√	√	
KIA	ASIA	2004~2005	SORENTO	CODESAVING								√
KIA	ASIA	2003	SORENTO	ENGINECONTROL	ENGINEIDIESEL(A-ENG)		√	√	√	√	√	
KIA	ASIA	2003	SORENTO	ENGINECONTROL	3.5LV6GASOLINEALL		√	√	√	√	√	1.FREEZEFRAME DATA 2.IDLERPMADJUST MODE
KIA	ASIA	2003	SORENTO	ENGINECONTROL	2.4LGASOLINEUNLEAD		√	√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	2003	SORENTO	ENGINECONTROL	2.4LGASOLINELEAD		√	√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	2003	SORENTO	AUTOMATICTRANSAXLE			√	√	√	√	√	
KIA	ASIA	2003	SORENTO	ANTI-LOCKBRAKESYSTEM			√	√	√	√		
KIA	ASIA	2003	SORENTO	SRS-AIRBAG			√	√	√	√	√	
KIA	ASIA	2003	SORENTO	ELEC.POWERSTEERING			√	√	√	√		1.ACTIVEDTC INFORMATION 2.HISTORYDTC INFORMATION

KIA	ASIA	2003	SORENTO		4WHEELDRIVE(4WD)	4WD(TOD-AUTO)		√	√	√	√		
KIA	ASIA	2003	SORENTO		FUELFIREDEATER				√	√			
KIA	ASIA	2003	SORENTO		CODESAVING								√
KIA	ASIA	2007	OPIRUS(AMANTI)		ENGINECONTROL	GASOLINEEOBD		√	√	√	√	√	
KIA	ASIA	2007	OPIRUS(AMANTI)		ENGINECONTROL	GASOLINEGEN		√	√	√	√	√	
KIA	ASIA	2007	OPIRUS(AMANTI)		ENGINECONTROL	GASOLINELEAD		√	√	√	√	√	
KIA	ASIA	2007	OPIRUS(AMANTI)		AUTOMATICTRANSAXLE	GASOLINE		√	√	√	√	√	
KIA	ASIA	2007	OPIRUS(AMANTI)		BRAKESYS(ABS/TCS/ESP)			√	√	√	√	√	
KIA	ASIA	2007	OPIRUS(AMANTI)		SRS-AIRBAG			√	√	√	√		1.HISTORYDTC INFORMATION 2.CRASHING INFORMATION
KIA	ASIA	2006	OPIRUS(AMANTI)		ENGINECONTROL	2.7LV6EOBD		√	√	√	√	√	
KIA	ASIA	2006	OPIRUS(AMANTI)		ENGINECONTROL	2.7LV6GEN		√	√	√	√	√	
KIA	ASIA	2006	OPIRUS(AMANTI)		ENGINECONTROL	2.7LV6LEAD		√	√	√	√	√	
KIA	ASIA	2006	OPIRUS(AMANTI)		ENGINECONTROL	3.5LEOBD		√	√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	2006	OPIRUS(AMANTI)		ENGINECONTROL	3.5LV6GEN		√	√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	2006	OPIRUS(AMANTI)		AUTOMATICTRANSAXLE			√	√	√	√	√	
KIA	ASIA	2006	OPIRUS(AMANTI)		BRAKESYS(ABS/TCS/ESP)			√	√	√	√	√	
KIA	ASIA	2006	OPIRUS(AMANTI)		SRS-AIRBAG			√	√	√	√		1.HISTORYDTC INFORMATION 2.CRASHING INFORMATION
KIA	ASIA	2006	OPIRUS(AMANTI)		BODYELECTRIC.SYS(ETAC)	BODY CONTROL MODULE		√	√	√	√	√	
KIA	ASIA	2006	OPIRUS(AMANTI)		BODYELECTRIC.SYS(ETAC)	DRIVER POWER WINDOW			√	√	√	√	
KIA	ASIA	2006	OPIRUS(AMANTI)		BODYELECTRIC.SYS(ETAC)	PASSENGER POWER WINDOW			√	√	√	√	
KIA	ASIA	2006	OPIRUS(AMANTI)		BODYELECTRIC.SYS(ETAC)	DRIVER POWER SEAT			√	√	√	√	
KIA	ASIA	2006	OPIRUS(AMANTI)		BODYELECTRIC.SYS(ETAC)	TILT & TELESCOPE			√	√	√	√	
KIA	ASIA	2006	OPIRUS(AMANTI)		IMMOBILIZER						√		
KIA	ASIA	2004~2005	OPIRUS(AMANTI)		ENGINECONTROL	3.5LV6EOBD		√	√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	2004~2005	OPIRUS(AMANTI)		ENGINECONTROL	3.5LV6GEN		√	√	√	√	√	1.FREEZEFRAME DATA
KIA	ASIA	2004~2005	OPIRUS(AMANTI)		ENGINECONTROL	2.7LV6EOBD		√	√	√	√	√	1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION
KIA	ASIA	2004~2005	OPIRUS(AMANTI)		ENGINECONTROL	2.7LV6GEN		√	√	√	√	√	1.FREEZEFRAMEDATA 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGUREATION

KIA	ASIA	2004~2005	OPIRUS(AMANTI)	ENGINECONTROL	2.7LV6LEAD		√	√	√	√	√	1.IDLECO ADJUSTMENT 2.RESETTING ADAPTIVEVALUES 3.VERSION CONFIGURATION 4.FREEZEFRAMEDATA
KIA	ASIA	2004~2005	OPIRUS(AMANTI)	BODYELECTRIC.SYS(ETAC)	BODY CONTROL MODULE		√	√	√	√	√	
KIA	ASIA	2004~2005	OPIRUS(AMANTI)	BODYELECTRIC.SYS(ETAC)	DRIVER POWER WINDOW			√	√	√	√	
KIA	ASIA	2004~2005	OPIRUS(AMANTI)	BODYELECTRIC.SYS(ETAC)	PASSENGER POWER WINDOW			√	√	√	√	
KIA	ASIA	2004~2005	OPIRUS(AMANTI)	BODYELECTRIC.SYS(ETAC)	DRIVER POWER SEAT			√	√	√	√	
KIA	ASIA	2004~2005	OPIRUS(AMANTI)	BODYELECTRIC.SYS(ETAC)	TILT & TELESCOPE			√	√	√	√	
KIA	ASIA	2004~2005	OPIRUS(AMANTI)	IMMOBILIZER						√		
KIA	ASIA	2004~2006	BONGO-III	ENGINECONTROL(DIESEL)			√	√	√	√	√	
KIA	ASIA	2004~2006	BONGO-III	ANTI-LOCKBRAKESYSTEM			√	√	√	√	√	1.HCUAIR BLEEDINGMODE
KIA	ASIA	2007	CEE'D	ENGINECONTROL	BETA2.0L		√	√	√	√	√	
KIA	ASIA	2007	CEE'D	ENGINECONTROL	GAMMA1.4L/1.6L		√	√	√	√	√	
KIA	ASIA	2007	CEE'D	ENGINECONTROL	U1.6LDIESEL(-CPF)		√	√	√	√	√	
KIA	ASIA	2007	CEE'D	ENGINECONTROL	U1.6LDIESEL(+CPF)		√	√	√	√	√	
KIA	ASIA	2007	CEE'D	ENGINECONTROL	2.0LDIESEL(CAN)EURO-4		√	√	√	√	√	
KIA	ASIA	2007	CEE'D	AUTOMATCITRANSAXLE	1.4/1.6GASOLINE		√	√	√	√	√	
KIA	ASIA	2007	CEE'D	AUTOMATCITRANSAXLE	2.0LGASOLIN		√	√	√	√	√	
KIA	ASIA	2007	CEE'D	CODESAVING								√
KIA	ASIA	2010	BORREGO	ENGINECONTROL	G3.8DOHC			√	√	√	√	
KIA	ASIA	2010	BORREGO	ENGINECONTROL	G4.6DOHC			√	√	√	√	
KIA	ASIA	2009	BORREGO	ENGINECONTROL	G3.8DOHC			√	√	√	√	
KIA	ASIA	2009	BORREGO	ENGINECONTROL	G4.6DOHC			√	√	√	√	