

iSCAN / D91

The Most Advanced All-In-One Scan Tool

20 in 1

For **ACURA / HONDA**
CHRYSLER
DAEWOO
DAIHATSU
FORD
GM
HYUNDAI
INFINITI / NISSAN
ISUZU
KIA
LEXUS / TOYOTA
MAZDA
MITSUBISHI
SSANGYONG
SUBARU
SUZUKI
OBD-II

VeDiS Specification

D91 ASIAN PRO YUP 2011 USEN Software

USA, English Version

May , 2011

AUTOLAND
S C I E N T E C H



HONDA® / ACURA® 1991 – 2009

OBDII / 3-pin connector, CAN / non-CAN protocol, Diagnosis / Data / Activation / Adaptation / Waveform / Immobilizer Key Learning

VERSION: V3.02 DATE: SEPTEMBER, 2009

MODELS EQUIPPED WITH OBD-II CONNECTOR 1997 – 2009 (CAN and non-CAN version)

SYSTEM	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION	ADAPTATION
PGM-FI Engine	1997 – 2009	✓	✓	✓	✓	
A/T Transmission	1997 – 2009	✓	✓	✓	✓	
SRS Airbag	1997 – 2009		✓	✓		✓ (note1)
ABS / VSA Vehicle Stability Assistant	1997 – 2009	✓	✓	✓	✓	
PSE Power Steering	1997 – 2009	✓	✓	✓		
Immobilizer						✓ (note2)
BODY Body Electrical	1997 – 2009	✓	✓	✓	✓	
IMA Integrated Motor Assist, Hybrid System	1997 – 2009	✓	✓	✓		
VTM-4 Variable Torque Management	1997 – 2009	✓	✓	✓		
SH-AWD Super Handling All-Wheel-Drive	1997 – 2009	✓	✓	✓		
4WS 4-Wheel Steering Drive	1997 – 2009	✓	✓	✓		
TPMS Tire pressure monitoring	1997 – 2009	✓	✓	✓		
SMARTKEY Smart Key (Keyless)	1997 – 2009	✓	✓	✓		

SYSTEM	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION	ADAPTATION
POP-UP HOOD	1997 – 2009	✓	✓	✓		
ACM Active Control Engine Mount	2006 – 2009	✓	✓	✓		
Hydraulic Booster	1997 – 2009	✓	✓	✓		
SCS	1997 – 2005			✓		

NOTE 1: Only special SRS ECU has “Seat Weight Sensor Calibration” and “Occupant Position Detection Sensor” function.

NOTE 2: iSCAN-II Supports TYPE 2A, 2B, 2C, 3 and TYPE 4.

MODELS EQUIPPED WITH 3-PIN CONNECTOR 9/1991 - 2002

SYSTEM	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ECU RESET
PGM-FI Engine	9/1991 – 2002	✓	✓	✓	✓
A/T Transmission	5/1993 – 2002	✓	✓	✓	
SRS Airbag	9/1993 – 2002	✓	✓	✓	
ABS / VSA Vehicle Stability Assistant	9/1995 – 2002		✓	✓	

Note:

1. A/T system is supported from 1997 (except Integra is supported from May 1993)
2. Some of models like Civic, the Engine system combined with A/T system.
3. Models equipped with 3-Pin connector will up to 2002 in some countries.

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Version: V3.00 Date: JUNE, 2010

CAN PROTOCOL

POWER TRAIN SYSTEM

SYSTEM	YEAR	READ / CLEAR FAULT	DATA STREAM	ADAPTATION
PCM (Power-train Control Module)	2003~2007	✓	✓(some models)	
TCM (Transmission Control Module)	2003~2007	✓	✓(some models)	
ESM (Electronic Shifter Module)	2003~2007	✓		

CHASSIS SYSTEM

SYSTEM	YEAR	READ / CLEAR FAULT	DATA STREAM	ADAPTATION
ABS (Anti Lock Brakes)	2003~2007	✓	✓(some models)	

BODY SYSTEM

SYSTEM	YEAR	READ / CLEAR FAULT	DATA STREAM	ADAPTATION
AHBM (Automatic High Beam Module)	2003~2007	✓		
DDM (Drivers Door Module)	2003~2007	✓		
EOM (Electronic Overhead Module)	2003~2007	✓		
FCM (Front Control Module)	2003~2007	✓		
FDCM (Final Drive Control Module)	2003~2007	✓		
HIDT (High Intensity Discharge Translator)	2003~2007	✓		
HSM (Heated Seat Module)	2003~2007	✓		
ITM (Intrusion Module)	2003~2007	✓		
LRSM (Light Rain Sensor Module)	2003~2007	✓		

BODY SYSTEM (continue)

SYSTEM	YEAR	READ / CLEAR FAULT	DATA STREAM	ADAPTATION
MSMD (Memory Seat Module)	2003~2007	✓		
OCM (Occupant Classification Module)	2003~2007	✓		
ORC (Occupant Restraint Controller)	2003~2007	✓	✓ (some models)	
PLGM (Power Lift Gate Module)	2003~2007	✓		
PDM (Passengers Door Module)	2003~2007	✓		
PTS (Parktronic)	2003~2007	✓		
SCM (Steering Column Module)	2003~2007	✓		
SUNR (Sunroof Module)	2003~2007	✓		

INFORMATION AND COMMUNICATION

SYSTEM	YEAR	READ / CLEAR FAULT	DATA STREAM	ADAPTATION
AMP (Amplifier)	2003~2007	✓		
CCN (Cabin Compartment Node)	2003~2007	✓		
HFM (Hands Free Module)	2003~2007	✓		
RADIO	2003~2007	✓		
SDAR (Satellite Digital Radio)	2003~2007	✓		
VES (Vehicle Entertainment System)	2003~2007	✓		
WCM (Wireless Control Module)	2003~2007	✓		*

* "Program Ignition Key" & "Erase All Key" on PT 2006

AIR CONDITION

SYSTEM	YEAR	READ / CLEAR FAULT	DATA STREAM	ADAPTATION
HVAC (Heat Ventilation and A/C)	2003~2007	✓		

OTHER PROTOCOL

ENGINE

SYSTEM	YEAR	READ / CLEAR FAULT	DATA STREAM	ADAPTATION
ENGINE	1995~2007	✓		

TRANSMISSION & T-CASE

SYSTEM	YEAR	READ / CLEAR FAULT	DATA STREAM	ADAPTATION
TRANSMISSION MODULE(TCM)	1995~2007	✓		
TRANSFER CASE MODULE(TCASE)	1995~2007	✓		
SHFT LEVER ASSEMBLY MODULE(SLA)	1995~2007			
FINAL DRIVE CONTROL MODULE(FDCM)	1995~2007	✓		

ANTI-LOCK BRAKES

SYSTEM	YEAR	READ / CLEAR FAULT	DATA STREAM	ADAPTATION
ANTI-LOCK BRAKES(ABS)	1995~2007	✓		

PASSIVE RESTRAINTS

SYSTEM	YEAR	READ / CLEAR FAULT	DATA STREAM	ADAPTATION
AIRBAG	1995~2007	✓		
SIDE AIRBAGS				
RIGHT SIDE AIRBAG(RSA)	1995~2007	✓		
LEFT SIDE AIRBAG(LSA)	1995~2007	✓		
AIRBAG ON/OFF SWITCH SYSTEM(SRM)	1995~2007	✓		
OCCUPANT CLASSIFICATION SYSTEM(OCM)	1995~2007	✓		

iSCAN / D91 Specification

BODY INTERIOR

SYSTEM	YEAR	READ / CLEAR FAULT	DATA STREAM	ADAPTATION
BODY COMPUTER	1995~2007	✓		
ELECTRO/MECH CLUSTER(MIC)	1995~2007	✓		
INFO, COMM & ENTERTAINMENT				
OVERHEAD CONSOLE(OHC, CMTC, EVIC)	1995~2007	✓		
AUDIO	1995~2007	✓		
DIGITAL AUDIO AMPLIFIER(DAA, AMP)	1995~2007	✓		
SATELLITE AUDIO RECEIVER(SAR)	1995~2007	✓		
NAVIGATION SYSTEM(NAV)	1995~2007	✓		
HANDS FREE MODULE(HFM)	1995~2007	✓		
DOORS, GATE & COMFORT				
DRIVER DOOR(DDM)	1995~2007	✓		
PASSENGER DOOR(PDM)	1995~2007	✓		
RIGHT SLIDING DOOR(RSD)	1995~2007	✓		
LEFT SLIDING DOOR(LSD)	1995~2007	✓		
POWER LIFT MODULE(PLGM)	1995~2007	✓		
MEMORY SEAT MODULE(& APM)(MSM)	1995~2007	✓		
ADJUSTABLE PEDAL MODULE(APM)	1995~2007	✓		
HEATING & A-C				
HVAC	1995~2007	✓		
AUTOMATIC TEMP CONTROL(ATC)	1995~2007	✓		
CABIN HEATER MODULE(CHM)	1995~2007			
FCM/IPM(A48)	1995~2007	✓		
SERIAL BUS TRAVELER(SBT)	1995~2007	✓		

CHASSIS & BODY EXTERIOR

SYSTEM	YEAR	READ / CLEAR FAULT	DATA STREAM	ADAPTATION
PARK ASSIST MODULE(PAM)	1995~2007	✓		
RAIN SENSOR MODULE(RSM)	1995~2007	✓		
TIRE PRESSURE MONITOR(TPM)	1995~2007	✓		
SPEED PRO STEERING(SPS)	1995~2007	✓		

THEFT ALARM

SYSTEM	YEAR	READ / CLEAR FAULT	DATA STREAM	ADAPTATION
VTSS	1995~2007	✓		
SKIM-SKREEM-TPM, IMMOBILIZER	1995~2007	✓		

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D91-DAW For DAEWOO® 1998-2006

Version: 2.00 Date: January, 2008

SYSTEM	MODEL	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION
Engine	Magnus(Gasoline L4 , XK-Siemens L6), Matiz, Lemans (Racer)(1.5 MPFi-SOHC , DOHC), Espero, Prince, New-Prince, Super Salon, Cielo, Nexia, New-Brougham, Lanos, Nubira, Leganza (Tacuma)(EGi Engine), Rezzo / Lezo (Unleaded - SOHC) , Lacetti	✓	✓	✓	
AT	Magnus(Gasoline), Rezzo / Lezo	✓	✓	✓	✓
	Nubira II, Kalos, Nubira, Lanos, Lacetti	✓	✓	✓	
ABS	Magnus, Matiz, Rezzo / Lezo, Kalos	✓	✓	✓	✓
	Nubira, Leganza, Lanos , Lacetti	✓	✓	✓	
Air Bag	Magnus, Matiz, Kalos, Lacetti		✓	✓	
	Nubira, Leganza, Nubira II	✓	✓	✓	
ISU	Magnus	✓	✓	✓	✓

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D91 DAIHATSU PACKAGE (CAN and non-CAN)

DAIHATSU® PKG 1.00 Date: December 18th, 2007

DAIHATSU® non-CAN Version 3.00

Models equipped with OBD-II Connector (KWP-2000)

SYSTEM	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION
Engine (EFI)	1997 - 2006	✓	✓	✓	
Auto Transmission	2000 - 2006	✓	✓	✓	
CVT	2000 - 2006	✓	✓	✓	
KFS	2000 - 2006		✓	✓	
ABS	2000 - 2006	✓	✓	✓	
EPS	2000 - 2006	✓	✓	✓	
Air Bag	1997 - 2006		✓	✓	
4WD	2000 - 2004	✓	✓	✓	

DAIHATSU® CAN Version 1.00

Models equipped with OBD-II Connector (CAN)

SYSTEM	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION
Engine (EFI)	2006 - 2007	✓	✓	✓	

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FORD[®] Group OEM 1994-2008

VERSION: 3.50 DATE: AUG., 2009

FUNCTIONS CATEGORY

SYSTEM	FUNCTION DESCRIPTION
PCM / ENGINE /AT	Engine / Auto Transmission, Automatic Protocol Selection
TRACTION	ABS, 4WD, Suspension
CLIMATE	Climate Control
IMMOBILIZER	PCM, VIC, HEC, ICM, PATS, PATS3, PATS4, Manual Selection
BODY SYSTEMS	All Electric Body Control Systems
SPECIAL FUNCTION	Keyless Entry / Door Code

POWER TRAIN SYSTEMS

SYSTEM	MODEL	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ADAPTATION		
PCM	Engine	FORD: Mondeo / Metrostar, Escort, Taurus, Transit, Probe, MX-6, Explorer, Scorpio, Town Car, Windstar, Focus, Escape 2.0L/3.0L, KA, Mustang, Thunderbird, Cougar, Continental, Crown Victoria, Marquis, E-series, F-series, Ranger, Aspire, Tracer, Mystique, Sable, Mark VIII, Aerostar, Bronco, Contour, Expedition, Mountaineer, Navigator, Fiesta, LS, Courier, Excursion, Blackwood, Aviator, Econoline, Freestar, Monterey	1994-2005	✓	✓	✓		
		MAZDA: Tribute 2.0L/3.0L, Demio, Mazda2, Mazda 3 1.6L, Mazda5, Mazda 6, Mazda8, MPV, RX-8, Verisa, Atenza, Axela						
		FORD: Escape 2.3L	-2008	✓	✓	✓		
		MAZDA: Tribute 2.3L	-2008	✓	✓	✓		
		MAZDA: Mazda 3 2.0L	-2007	✓	✓	✓		
		FORD: Focus 2.0L, Focus C-MAX 2.0L, Focus Cabriolet 2.0L, Focus VIN=LFA/LVS/AFA/PE1/FFJ 2.0L	2006-2007	✓	✓	✓		
		FORD: Econovan	2008		✓	✓		
		FORD: Mondeo Tdci 2.0L	2005-2007	✓	✓	✓		
		FORD: Mondeo Tdci 2.2L, Focus Tdci 1.6L	2004-2007	✓	✓	✓		
FORD: Fusion Tdci 1.4L	2002-2007	✓	✓	✓				

POWER TRAIN SYSTEMS (cont.)

SYSTEM	MODEL	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ADAPTATION
PCM	FORD: Mondeo / Metrostar, Escort, Taurus, Transit, Probe, MX-6, Explorer, Scorpio, Town Car, Windstar, Focus, Escape, KA, Mustang, Thunderbird, Cougar, Continental, Crown Victoria, Marquis, E-series, F-series, Ranger, Aspire, Tracer, Mystique, Sable, Mark VIII, Aerostar, Bronco, Contour, Expedition, Mountaineer, Navigator, Fiesta, LS, Courier, Excursion, Blackwood, Aviator, Econoline, Freestar, Monterey MAZDA: Tribute, Demio, Mazda2, Mazda 3, Mazda5, Mazda 6, Mazda8, MPV, RX-8, Verisa, Atenza, Axela	1994-2005	✓	✓	✓	
	FORD: Escape 2.3L	-2008	✓	✓	✓	
	MAZDA: Tribute 2.3L	-2008	✓	✓	✓	
	MAZDA: Mazda 3 2.0L	-2007	✓	✓	✓	
	FORD: Focus 2.0L, Focus C-MAX 2.0L, Focus Cabriolet 2.0L, Focus VIN=LFA/LVS/AFA/PE1/FFJ 2.0L	2006-2007	✓	✓	✓	
	FORD: Mondeo Tdci 2.0L	2005-2007	✓	✓	✓	
	FORD: Fusion Tdci 1.4L	2002-2007	✓	✓	✓	

TRACTION SYSTEMS

SYSTEM	MODEL	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ADAPTATION
ABS	FORD: Mondeo / Metrostar, Escort, Taurus, Transit, Explorer, Scorpio, Town Car, Windstar, Focus, Escape 2.0L/3.0L,E250	1995-2005	✓	✓	✓	
	MAZDA: Tribute 2.0L/3.0L, Mazda 3 1.6L, Mazda 6, Demio, Mazda2, Mazda5, Mazda8, MPV, RX-8, Verisa, Atenza, Axela					
	Escape 2.3L, Tribute 2.3L	-2008	✓	✓	✓	
	Mazda 3 2.0L	-2007	✓	✓	✓	
	Focus 2.0L, Focus C-MAX 2.0L, Focus Cabriolet 2.0L, Focus VIN=LFA/LVS/AFA/PE1/FFJ 2.0L	2006-2007	✓	✓	✓	
	Blackwood 5.4L	2002-2003	✓	✓	✓	
	Continental 4.6L	1995-2002	✓	✓	✓	
	Crown Victoria 4.6L	1995-2004	✓	✓	✓	
	F150 4.2L/4.6L/5.4L	1997-2004	✓	✓	✓	
	F150 7.3L	2000	✓	✓	✓	
	F250 4.6L	1997-2001	✓	✓	✓	
	F250 5.4L	1997-2002	✓	✓	✓	
	F250 5.8L / 7.5L / F350 NGV 5.4L / 4.6L / 5.4L / 5.8L / 7.5L	1997	✓	✓	✓	
	F350 5.4L, F250/F350/F450/F550 6.8L, F250/F350/F450/F550 7.3L	1999-2002	✓	✓	✓	
	F800 5.9L CUMMINS, F650/F750 7.2L Diesel	2001-2004	✓	✓	✓	
	F800 3126E-CAT, F650/F750 5.9L Diesel, F800 7.3L Diesel, F800 7.3L Diesel	2001-2003	✓	✓	✓	
	F650/F750 7.3L Diesel	2000-2003	✓	✓	✓	
	F150/F250/F350/F450/F550 7.3L Diesel	2001-2002	✓	✓	✓	
	F-Series 3.9L/4.2L/7.3L Diesel, F-Series 4.2L/5.4L/6.8L	2001	✓	✓	✓	
	F-Series 6.0L Diesel, F-Series 5.4L/6.8L	2003-2004	✓	✓	✓	
	F-Series 7.3L Diesel	2003	✓	✓	✓	
	Excursion 5.4L/6.8L	2000-2005	✓	✓	✓	
	Excursion 7.3L	2000-2003	✓	✓	✓	
	Excursion 6.0L Diesel	2003-2005	✓	✓	✓	
	Expedition 4.6L/5.4L	1997-2004	✓	✓	✓	
	Mondeo Tdci 2.0L	2005-2007	✓	✓	✓	
	Mondeo Tdci 2.2L / Focus Tdci 1.6L	2004-2007	✓	✓	✓	
	Fusion Tdci 1.4L	2002-2007	✓	✓	✓	

TRACTION SYSTEMS

SYSTEM	MODEL	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ADAPTATION
ARC (4WD)	Explorer	1998-1999	✓	✓	✓	
	Explorer 4.0L/5.0L	1996-1997	✓	✓	✓	
	Explorer 4.0L/5.0L	2000-2001	✓	✓	✓	
4X4	Explorer 4.0L/4.6L	2002	✓	✓	✓	
	Explorer Sport 4.0L	2002-2003	✓	✓	✓	
4WAS (Air suspension / EVO 4X2 & 4X4)	Blackwood 5.4L	2002-2003	✓	✓	✓	
	Expedition 4.6L/5.4L	1997-2002	✓	✓	✓	
RASM (Rear air suspension)	Town Car	1998-1999	✓	✓	✓	
	Crown Victoria 4.6L	2003-2004	✓	✓	✓	
SARC (Electric suspension)	Taurus	1996-1999	✓	✓	✓	

AIR CONDITION

SYSTEM	MODEL	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ADAPTATION
EATC (Air Condition)	Mondeo / Metrostar, Explorer, Town Car, Mazda5, Axela	1998-2005	✓	✓	✓	
	Focus 2.3L	2004-2005	✓	✓	✓	
	Focus 1.8L/2.0L	2005	✓	✓	✓	
	Continental 4.6L	1995-2002	✓	✓	✓	
	Crown Victoria 4.6L	1995-2004	✓	✓	✓	
	Expedition 4.6L/5.4L	1997	✓	✓	✓	
	Expedition 4.6L/5.4L	1999-2002	✓	✓	✓	
	Explorer 4.0L/5.0L	1996-1997	✓	✓	✓	
	Focus Tdci 1.6L	2004-2007	✓	✓	✓	

BODY SYSTEMS, SRS

SYSTEM	MODEL	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ADAPTATION
IABM/ECS/RCM (SRS / Airbag)	FORD: Mondeo / Metrostar, Taurus, Explorer, Town Car, Windstar, Focus, Escape 2.0L/3.0L,E250	1995-2005	✓	✓	✓	
	MAZDA: Mazda Tribute 2.0L/3.0L, Mazda 3 1.6L, Mazda 6, Demio, Mazda2, Mazda5, MPV, RX-8, Verisa, Atenza, Axela					
	Escape 2.3L, Tribute 2.3L	-2008	✓	✓	✓	
	Mazda 3 2.0L	-2007	✓	✓	✓	
	Focus 2.0L, Focus C-MAX 2.0L, Focus Cabriolet 2.0L, Focus VIN=LFA/LVS/AFA/PE1/FFJ 2.0L	2006-2007	✓	✓	✓	
	Blackwood 5.4L	2002-2003	✓	✓	✓	
	Continental 4.6L	1996-2002	✓	✓	✓	
	Crown Victoria 4.6L	1996-2004	✓	✓	✓	
	Escort 2.0L	1998-2003	✓	✓	✓	
	Excursion 5.4L/6.8L	2000-2005	✓	✓	✓	
	Excursion 7.3L, Excursion 6.0L Diesel	2000-2003	✓	✓	✓	
	Expedition 4.6L/5.4L	1997-2005	✓	✓	✓	
	F150 4.2L/4.6L/5.4L	1997-2004	✓	✓	✓	
	F150 7.3L	2000	✓	✓	✓	
	F250 4.6L	1997-2001	✓	✓	✓	
	F250 5.4L	1997-2002	✓	✓	✓	
	F250 5.8L/7.5L, F250/F350 NGV 5.4L, F350 4.6L/5.4L/5.8L/7.5L	1997	✓	✓	✓	
	F350 5.4L, F250/F350/F450/F550 6.8L	1999-2002	✓	✓	✓	
	F250/F350/F450/F550 7.3L	1999-2000	✓	✓	✓	
	F150/F250/F350/F450/F550 7.3L Diesel	2001-2002	✓	✓	✓	
	F-Series 3.9L/7.3L Diesel, F-Series 4.2L Diesel, F- Series 4.2L/5.4L/6.8L	2001	✓	✓	✓	
	F-Series 6.0L Diesel, F-Series 5.4L/6.8L	2003-2004	✓	✓	✓	
	F-Series 7.3L Diesel	2003	✓	✓	✓	
	Mondeo Tdci 2.0L	2005-2007	✓	✓	✓	
	Mondeo Tdci 2.2L	2004-2007	✓	✓	✓	
	Focus Tdci 1.6L	2004-2007	✓	✓	✓	

BODY SYSTEMS, INSTRUMENT CLUSTER

SYSTEM	MODEL	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ADAPTATION
ICM (Instrument cluster)	Windstar , Mazda 6, Focus, Demio, Mazda2, Mazda3 1.6L, Mazda5, RX-8, Verisa, Atenza, Axela, E250	1999-2005	✓	✓	✓	
	Escape 2.3L, Tribute 2.3L	-2008	✓	✓	✓	
	Mazda3 2.0L	-2007	✓	✓	✓	
	Econovan	2008		✓	✓	
	Escape 2.0L/3.0L, Tribute 2.0L/3.0L	2005	✓	✓	✓	
	Metrostar	2000-2004	✓	✓	✓	
	Expedition 4.6L/5.4L	2003-2004	✓	✓	✓	
	Explorer 4.0L/4.6L	2002-2003	✓	✓	✓	

BODY SYSTEMS

SYSTEM	MODEL	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ADAPTATION
RIM (Remote immobilizer module)	Mondeo / Metrostar, Escort, Transit	1997-1999		✓	✓	
	F-Series 3.9L/7.3L Diesel	2001		✓	✓	
	F150/F250/F350/F450/F550 7.3L Diesel	2001		✓	✓	
CSM (Central security module)	Mondeo / Metrostar, Focus,	1998-2000	✓	✓	✓	
GEM (Generic electrical module)	Mondeo / Metrostar, Taurus, Explorer, Windstar, Atenza, Axela, Focus, Escape 2.0L/3.0L, Tribute 2.0L/3.0L, Mazda5	1996-2005	✓	✓	✓	
	Mazda3 1.6L					
	Mazda3 2.0L	-2007	✓	✓	✓	
	Mazda6 2.3L	-2007	✓	✓	✓	
	Escape 2.3L, Tribute 2.3L	-2008	✓	✓	✓	
	Blackwood 5.4L	2002-2003	✓	✓	✓	
	Excursion 5.4L/6.8L	2000-2005	✓	✓	✓	
	Excursion 7.3L	2000-2003	✓	✓	✓	
	Excursion 6.0L Diesel	2003-2005	✓	✓	✓	
	Expedition 4.6L/5.4L	1997-2002	✓	✓	✓	
	F150 4.2L/4.6L/5.4L	1997-2004	✓	✓	✓	
	F150 7.3L	2000	✓	✓	✓	
	F250 4.6L	1997-2001	✓	✓	✓	
	F250 5.4L	1997-2002	✓	✓	✓	
	F250 5.8L/7.5L, F250/F350 NGV 5.4L	1997	✓	✓	✓	
	F350 4.6L/5.4L/5.8L/7.5L	1997	✓	✓	✓	
	F350 5.4L	1999-2002	✓	✓	✓	
	Focus Tdci 1.6L	2004-2007	✓	✓	✓	
	Fusion Tdci 1.4L	2002-2007	✓	✓	✓	

BODY SYSTEMS

SYSTEM	MODEL	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ADAPTATION
GEM (Generic electric module)	F250/F350/F450/F550 6.8L	1999-2002	✓	✓	✓	
	F250/F350/F450/F550 7.3L	1999-2000	✓	✓	✓	
	F800 5.9L CUMMINS	2001-2004	✓	✓	✓	
	F800 3126E-CAT	2001-2003	✓	✓	✓	
	F650/F750 7.3L Diesel	2000-2003	✓	✓	✓	
	F650/F750 5.9L Diesel	2001-2003	✓	✓	✓	
	F650/F750 7.2L Diesel	2001-2004	✓	✓	✓	
	F800 7.3L Diesel	2001-2003	✓	✓	✓	
	F150/F250/F350/F450/F550 7.3L Diesel	2001-2002	✓	✓	✓	
	F-Series 3.9L/4.2L/7.3L Diesel	2001	✓	✓	✓	
	F-Series 6.0L Diesel	2003-2004	✓	✓	✓	
	F-Series 7.3L Diesel	2003	✓	✓	✓	
	F-Series 4.2L/5.4L/6.8L	2001	✓	✓	✓	
	F-Series 5.4L/6.8L	2003-2004	✓	✓	✓	
	ACM (Audio control module)	Mondeo / Metrostar, Town Car	1998-2003	✓	✓	✓
Continental 4.6L		1995-2002	✓	✓	✓	
HEC (Hybrid electrical cluster)	Mondeo / Metrostar, Town Car, Focus	1998-2003	✓	✓	✓	
	Blackwood 5.4L	2002-2003	✓	✓	✓	
	Excursion 5.4L/6.8L	2002-2005	✓	✓	✓	
	Excursion 7.3L	2002-2003	✓	✓	✓	
	Excursion 6.0L Diesel	2003-2005	✓	✓	✓	
	F150 4.2L/4.6L/5.4L	1999-2004	✓	✓	✓	
	F250 4.6L	1999-2001	✓	✓	✓	
	F250 5.4L	1999-2002	✓	✓	✓	
	F350 5.4L	2001-2002	✓	✓	✓	
	F250/F350/F450/F550 6.8L	2002	✓	✓	✓	
	F150/F250/F350/F450/F550 7.3L Diesel	2002	✓	✓	✓	
	F-Series 6.0L Diesel	2003-2004	✓	✓	✓	
	F-Series 7.3L Diesel	2003	✓	✓	✓	
	F-Series 5.4L/6.8L	2003-2004	✓	✓	✓	

BODY SYSTEMS

SYSTEM	MODEL	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ADAPTATION
RHID (Right hi-intensity discharge lamp)	Mondeo / Metrostar, Atenza, Mazda6 2.0L	2000-2005	✓	✓	✓	
	Mazda6 2.3L	-2007	✓	✓	✓	
LHID (Left high intensity discharge lamp)	Mondeo / Metrostar, Atenza, Mazda6 2.0L	2000-2005	✓	✓	✓	
	Mazda6 2.3L	-2007	✓	✓	✓	
RAP (Remote antitheft module)	Taurus, Explorer, Windstar	1996-1999	✓	✓	✓	
	Escort 2.0L	1997-2003	✓	✓	✓	
	Expedition 4.6L/5.4L	1997-2002	✓	✓	✓	
	Explorer 4.0L/5.0L	2000-2001	✓	✓	✓	
	Explorer Sport 4.0L	2002-2003	✓	✓	✓	
	F150 4.2L/4.6L/5.4L	1997-2004	✓	✓	✓	
	F250 4.6L/5.4L	1997-2001	✓	✓	✓	
	F250 5.8L/7.5L	1997	✓	✓	✓	
	F250/F350 NGV 5.4L	1997	✓	✓	✓	
	F350 4.6L/5.4L/5.8L/7.5L	1997	✓	✓	✓	
	F350 5.4L	1999	✓	✓	✓	
F350 5.4L	2001	✓	✓	✓		
RCC (Remote climate control)	Taurus	1996-1999	✓	✓	✓	
CTM (Central timer module)	Explorer, Focus	1998-2000	✓	✓	✓	
	Explorer 4.0L/5.0L	2001	✓	✓	✓	
	F150 4.2L/4.6L/5.4L	1999-2004	✓	✓	✓	
	F150 7.3L	2000	✓	✓	✓	
	F250 4.6L/5.4L	1999-2001	✓	✓	✓	
	F350 5.4L	1999-2001	✓	✓	✓	
	F250/F350/F450/F550 6.8L	1999-2001	✓	✓	✓	
	F250/F350/F450/F550 7.3L	1999-2000	✓	✓	✓	
	F150/F250/F350/F450/F550 7.3L Diesel	2001	✓	✓	✓	
	F-Series 3.9L/7.3L Diesel	2001	✓	✓	✓	
	F-Series 4.2L Diesel	2001	✓	✓	✓	
F-Series 4.2L/5.4L/6.8L	2001	✓	✓	✓		

BODY SYSTEMS

SYSTEM	MODEL	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ADAPTATION
DSM (Driver seat module)	Explorer, Town Car	1998-1999	✓	✓	✓	
	Blackwood 5.4L	2002-2003	✓	✓	✓	
	Continental 4.6L	1995-2002	✓	✓	✓	
	Crown Victoria 4.6L	1995-1997	✓	✓	✓	
	Expedition 4.6L/5.4L	2001-2002	✓	✓	✓	
	Explorer 4.0L/5.0L	2000-2001	✓	✓	✓	
	Explorer 4.0L/4.6L	2002	✓	✓	✓	
DDM (Drivers door module)	Town Car, Windstar	1998-1999	✓	✓	✓	
	Continental 4.6L	1995-2002	✓	✓	✓	
	Crown Victoria 4.6L	1995-2004	✓	✓	✓	
LCM (Lamp control module)	Town Car	1998-1999	✓	✓	✓	
	Crown Victoria 4.6L	1995-2004	✓	✓	✓	
	Continental 4.6L	1995-2002	✓	✓	✓	
FFH (Fuel fired coolant heating)	Focus, Mazda5, MPV	2000-2005	✓	✓	✓	
MCM (Information system)	Focus, Windstar	1999-2000	✓	✓	✓	
	Crown Victoria 4.6L	2003-2004	✓	✓	✓	
REM (Rear electrical module)	Windstar	1999	✓	✓	✓	
RKE (Remote keyless entry)	Demio, Mazda5, RX-8, Verisa, Atenza	-2005	✓	✓	✓	
	Mazda3 2.0L	2007	✓	✓	✓	
	Mazda6 2.3L	-2007	✓	✓	✓	
TPM (Tire pressure monitor)	Mazda5, RX-8	-2005	✓	✓	✓	
	Explorer 4.0L/4.6L	2002-2003	✓	✓	✓	
EPS (Electrical Controlled power steering)	Demio, Mazda5, RX-8, Verisa, Axela	-2005	✓	✓	✓	
	Focus 2.3L	2004-2005	✓	✓	✓	
	Focus 1.8L/2.0L	2005	✓	✓	✓	
	Mazda3 2.0L	-2007	✓	✓	✓	
	Focus Tdci 1.6L	2004-2007	✓	✓	✓	

BODY SYSTEMS

SYSTEM	MODEL	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ADAPTATION
PAM (Parking aid module)	Blackwood 5.4L	2002-2003	✓	✓	✓	
	F250/F350 5.4L	2002	✓	✓	✓	
	F250/F350/F450/F550 6.8L	2001-2002	✓	✓	✓	
	F150/F250/F350/F450/F550 7.3L Diesel	2001-2002	✓	✓	✓	
	F-Series 3.9L/7.3L Diesel	2001	✓	✓	✓	
	F-Series 4.2L Diesel	2001	✓	✓	✓	
	F-Series 6.0L Diesel	2003-2004	✓	✓	✓	
	F-Series 7.3L Diesel	2003	✓	✓	✓	
	F-Series 4.2L/5.4L/6.8L	2001	✓	✓	✓	
	F-Series 5.4L/6.8L	2003-2004	✓	✓	✓	
LTM (Liftgate / Trunk module)	Blackwood 5.4L	2002-2003	✓	✓	✓	
VDM (Vehicle dynamics module)	Continental 4.6L	1995-2002	✓	✓	✓	
VIC (Virtual Image Cluster module)	Continental 4.6L	1995-2002	✓	✓	✓	
NGSC (Cruise control)	Continental 4.6L	1996-2002	✓	✓	✓	
	Town Car, Windstar	1998-1999	✓	✓	✓	
RESC (Remote emergency satellite unit)	Continental 4.6L	1996-2002	✓	✓	✓	
AFCM (Alternate fuel control module)	Crown Victoria 4.6L	1996-2004	✓	✓	✓	
	F250/F350 NGV 5.4L	1997	✓	✓	✓	
	F150 4.2L/4.6L	1998	✓	✓	✓	
	F150 5.4L	1999	✓	✓	✓	
	F150 5.4L	2002-2004	✓	✓	✓	
	F250 4.6L	1998	✓	✓	✓	
	F250 5.4L	1998-2001	✓	✓	✓	
	F350 5.4L	2001	✓	✓	✓	
	F250/F350/F450/F550 6.8L	2000-2001	✓	✓	✓	
	F-Series 6.8L	2001	✓	✓	✓	
VAPS (Variable assist power steering)	Crown Victoria 4.6L	2003-2004	✓	✓	✓	

BODY SYSTEMS

SYSTEM	MODEL	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ADAPTATION
OTC (Overhead trip computer)	Excursion 5.4L/6.8L	2000-2005	✓	✓	✓	
	Excursion 7.3L	2000-2003	✓	✓	✓	
	Excursion 6.0L Diesel	2003-2005	✓	✓	✓	
	F150 7.3L	2000	✓	✓	✓	
	F350 5.4L	1999-2000	✓	✓	✓	
	F250/F350 5.4L	2002	✓	✓	✓	
	F250/F350/F450/F550 6.8L	1999-2002	✓	✓	✓	
	F250/F350/F450/F550 7.3L	1999-2000	✓	✓	✓	
	F150/F250/F350/F450/F550 7.3L Diesel	2001-2002	✓	✓	✓	
	F-Series 3.9L/7.3L Diesel	2001	✓	✓	✓	
	F-Series 4.2L Diesel	2001	✓	✓	✓	
	F-Series 6.0L Diesel	2003-2004	✓	✓	✓	
	F-Series 7.3L Diesel	2003	✓	✓	✓	
	F-Series 4.2L/5.4L/6.8L	2001	✓	✓	✓	
	F-Series 5.4L/6.8L	2003-2004	✓	✓	✓	

IMMOBILIZER SYSTEMS

SYSTEM	MODEL	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ADAPTATION
PATS (Immobilizer)	Transit	1996-1997	✓	✓	✓	
	Transit	1998-1999	✓	✓	✓	Key program / Key erase
	Courier, Transit	2000		✓	✓	Key program / Key erase
	Scorpio	1998	✓	✓	✓	
	Escape, Tribute	2000-2005		✓	✓	Key program / Key erase
	Escape 2.3L, Tribute 2.3L	2005	✓	✓	✓	Key program / Key erase
	Focus	2000-2003		✓	✓	Key program / Key erase
	Focus 2.0L	2004-2005		✓	✓	Key program / Key erase
	Focus 2.0L Diesel	2003-2005	✓	✓	✓	Key program / Key erase
	Taurus	1996-1997	✓	✓	✓	
	Taurus	1998-1999	✓	✓	✓	Key program / Key erase
	Taurus	2000-2003		✓	✓	Key program / Key erase
	Taurus	2004-2005	✓	✓	✓	Key program / Key erase
	Ka	2001		✓	✓	Key program / Key erase
	Contour, Fiesta	1998-2000		✓	✓	Key program / Key erase
	Crown Victoria, Grand marquis	1998-2002	✓	✓	✓	Key program / Key erase
	Crown Victoria, Grand marquis	2003-2004		✓	✓	Key program / Key erase
	Cougar	1999-2002		✓	✓	Key program / Key erase
	Expedition 4.6L/5.4L	1997-1998	✓	✓	✓	

IMMOBILIZER SYSTEMS (continued)

SYSTEM	MODEL	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ADAPTATION
PATS (Immobilizer)	Expedition, Navigator	1999-2002	✓	✓	✓	Key program / Key erase
	Aviator, Expedition	2003-2005		✓	✓	Key program / Key erase
	Monterey, Freestar	2004-2005		✓	✓	Key program / Key erase
	Mountaineer	1998-2001	✓	✓	✓	Key program / Key erase
	Mountaineer	2002-2003		✓	✓	Key program / Key erase
	Explorer	1998-2000	✓	✓	✓	Key program / Key erase
	Explorer	2001-2003		✓	✓	Key program / Key erase
	Explorer	2004-2005	✓	✓	✓	Key program / Key erase
	Windstar	1998	✓	✓	✓	
	Ranger, Windstar	1999-2000	✓	✓	✓	Key program / Key erase
	Windstar	2001-2003		✓	✓	Key program / Key erase
	Ranger	2001-2005		✓	✓	Key program / Key erase
	Mystique, Mondeo	1998-2000		✓	✓	Key program / Key erase
	Mondeo	1996-1997	✓	✓	✓	Key erase
	Sable	1998-1999	✓	✓	✓	Key program / Key erase

IMMOBILIZER SYSTEMS (continued)

SYSTEM	MODEL	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ADAPTATION
PATS (Immobilizer)	Sable	2000-2003		✓	✓	Key program / Key erase
	Navigator, Towncar	2003-2005		✓	✓	Key program / Key erase
	Blackwood	2000-2003	✓	✓	✓	Key program / Key erase
	Continental, Town car	1998-2002	✓	✓	✓	Key program / Key erase
	F150	1999-2004	✓	✓	✓	Key program / Key erase
	F150	2005	✓	✓	✓	Key program / Key erase
	F-SERIES S-DUTY	1999-2002	✓	✓	✓	Key program / Key erase
	F-Series 3.9L/7.3L Diesel	2001	✓	✓	✓	
	F-Series 4.2L Diesel	2001	✓	✓	✓	
	F-Series 4.2L/5.4L/6.8L	2001	✓	✓	✓	
	Mustang	1998-2004	✓	✓	✓	Key program / Key erase
	Excursion, Lincoln LS	2000-2005	✓	✓	✓	Key program / Key erase
	Thunderbird	2002-2005	✓	✓	✓	Key program / Key erase

MODULE PROGRAMMING

MODULE	YEAR	FUNCTION DESCRIPTION
FOCUS 2.0L Diesel	2003-2005	Injector correction factors

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GM® for North America 1996-2009 (CAN and non-CAN)

Version: V3.00 Date: October, 2010

SYSTEM	YEAR	FUNCTIONS				CONNECTOR
		READ FAULT CODE	CLEAR FAULT CODE	DATA STREAM	VIN INFORMATION	
ENGINE & TRANSMISSION	1996~2009	✓	✓	✓ (NOTE1)	✓	OBD-II connector
ABS	1996~2009	✓	✓			OBD-II connector
SRS (AIRBAG)	1996~2009	✓	✓			OBD-II connector
OIL RESET	1996~2009	READ / SETTING (NOTE2) the reset can be done by 0%,25%,50%,75%,100% of the oil life.				OBD-II connector

NOTE:

1. For Engine / Transmission system, only the ECU adapted VPW 1850 protocol supports data stream function.
2. NOT all models are supported for oil service reset.

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HYUNDAI® 1989~2007

Version: **4.00** Date: **January, 2009**

Models equipped with OBD-II connector (CAN and non-CAN protocol)

SYSTEM	MODEL	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION
Engine (gasoline)	ACCENT(1995~), ATOS(1998~), COUPE(1997~), ELANTRA(1992~), XG(1999~), SANTA FE(2001~), SONATA(1989~2004, 2005~: 3.3L), TERRACAN(2001~), TRAJET(2001~), MATRIX(2002~), GETZ(2003~), GALLOPER-II, TUCSON(2004~)	✓	✓	✓	✓ (*TABLE1)
Engine (diesel)	GETZ(2003~), TUCSON(2004~), TRAJET(2001~), SANTA FE(2001~), ELANTRA(1992~), GALLOPER-II, TERRACAN(2001~), ACCENT(2000~), MATRIX(2002~), SONATA(2005~),	✓	✓	✓	✓*
AT	ACCENT(1995~), ATOS(1998~), COUPE(1997~), ELANTRA(1992~), SANTA FE(2001~), SONATA(1989~), TERRACAN(2001~), TRAJET(2001~), XG(1999~), MATRIX(2002~), GETZ(2003~), TUCSON(2004~)	✓	✓	✓	
*ABS	ACCENT(1995~), ATOS(1998~), COUPE(1997~), ELANTRA(1992~), SANTA FE(2001~), SONATA(1994~), TERRACAN(2001~), TRAJET(2001~), XG(1999~), MATRIX(2002~), GALLOPER-II, TUCSON(2004~), GETZ(2003~)	✓	✓	✓	
*Airbag	ACCENT(1995~), ATOS(1998~), COUPE(1997~), ELANTRA(1992~), MATRIX(2002~), SANTA FE(2001~), SONATA(1994~), TERRACAN(2001~), TRAJET(2001~), XG(1999~), GALLOPER-II, TUCSON(2004~), GETZ(2003~)		✓	✓	
*Immobilizer	TUCSON(2.0l/2.7l Gas, Diesel), GETZ(2003~), ACCENT(2006~), SANTA FE(2001~2005; 2006~: Diesel EURO-4 VGT), ATOS(1998~), MATRIX(Diesel, 1.8l Gas), SONATA(2005~: Diesel), ELANTRA(07; 04~06: Diesel, 1.6l/1.8l/2.0l Gas; 01~03: Diesel, 1.8l/2.0l Gas),	✓	✓ (only TUCSON 2.7l)	✓ (only TUCSON 2.7l)	
*4WD	TUCSON, SANTA FE(2001~2005), TERRACAN(TOD TYPE)		✓	✓	
*AUTO AC	TUCSON	✓	✓	✓	
*ETACS	TUCSON(GENERAL)	✓			

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

* Immobilizer system always comes with Engine System except TUCSON 2.7L. Please read and clear fault code for Immobilizer System in Engine System.

* For CAN-protocol diesel engine and transmission systems of EURO-4 type of TUCSON, SANTAFE and SONATA, only data stream and read/clear fault code are supported; other CAN-protocol engine and transmission systems, only read/clear fault code are supported.

* **ACTIVATION** function of CAN-protocol diesel engine system of EURO-4 type of TUCSON is supported.

* **CPF** service regeneration function of diesel engine system of EURO-4 type(CAN and NON-CAN) of TUCSON is supported.



D91-HYUNDAI®, 1989~2007

*TABLE1: The following ECU do not have any activation functions:

MODELS	ACTIVATIONS
ELANTRA(2001~2003: 1.6L; 1996~2000: L4 DOHC unlead obd2), MATRIX(2002~: 1.6L lead all <partial>), ATOS(1998~2003: L4 SOHC unlead eobd, L4 SOHC unlead mex), COUPE(2002~: 1.6L; 2001: L4 DOHC unlead eobd; 1997~2000: L4 DOHC unlead obd2), GETZ(2003~2005), ACCENT(2003~2005: unlead general, unlead eobd, lead all, unlead 03 obd2; 2000~2002; 1996~1999: unlead obd2),	N/A

Models equipped with Non OBD-II connector (12-pins connector)

SYSTEM	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION
Engine	✓	✓	✓	✓
AT	✓	✓	✓	✓
ABS		✓	✓	
Airbag		✓	✓	

* Engine Model EXCEL(1990~1994: L4-SOHC) added.

* Some SIEMENS or BOSCH type Engine ECUs do not have any activation functions from dealers.

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D91 ISUZU® 1998-2006

Version: V2.50 Date: Dec. 17th, 2007

SYSTEM	TYPE	YEAR	READ FAULT CODE	CLEAR FAULT CODE	DATA STREAM	ACTIVATION
ENGINE	Generic	1998~2004	✓	✓	✓(NOTE1)	
	4JH1-TC Bosch	2001~2006	✓	✓	✓	✓
TRANSMISSION	Generic	1998~2004	✓	✓	✓(NOTE1)	
ABS	Generic	1998~2004	✓	✓	✓(NOTE1)	
SRS (AIRBAG)	Generic	1998~2004	✓	✓	✓(NOTE1)	

Note:

1. Few versions are not supported.

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For JAGUAR®

VERSION: **V1.50** DATE: DECEMBER 9th, 2007

Models equipped with OBD-II Connector, SELECT BY MODEL:

MODEL	YEAR	SYSTEM	READ FAULT CODE	CLEAR FAULT CODE	DATA STREAM	CODING
S-TYPE	00 – 01	ENGINE	✓	✓	✓	
		AT	✓	✓	✓	
		ABS	✓	✓	✓	
		SRS	✓	✓	✓	
		GEM (Generic Electric Module)	✓	✓	✓	
		DDM (Drivers Door Module)	✓	✓	✓	
		DSM (Driver Seat Module)	✓	✓	✓	
		REM (Rear Electric Module)	✓	✓	✓	
		CCM (Climate Control System)	✓	✓	✓	
		ACM (Audio Control Module)	✓	✓	✓	
		ICM (Instrument Pack System)	✓	✓	✓	
		MCM (Message Center Control Module)	✓	✓	✓	
		PAM (Parking aid control module)	✓	✓	✓	
	Suspension	✓	✓	✓		
	2004 V6 Sport 3.0L	ENGINE	✓	✓	✓	
		AT	✓	✓	✓	
		ABS	✓	✓	✓	
		SRS	✓	✓	✓	
		GEM (Generic Electric Module)	✓	✓	✓	
DDM (Drivers Door Module)		✓	✓	✓		
DSM (Driver Seat Module)		✓	✓	✓		
REM (Rear Electric Module)	✓	✓	✓			
ACM (Audio Control Module)	✓	✓	✓			
SSM (Adaptive Damping Ride Control)	✓	✓	✓			
HLM (Headlamp Leveling System)	✓	✓	✓			

D91 / iSCAN Specification

MODEL	YEAR	SYSTEM	READ FAULT CODE	CLEAR FAULT CODE	DATA STREAM	CODING
S-TYPE	2003 2.5L V6 Right hand drive	ENGINE	✓	✓	✓	
		AT	✓	✓	✓	
		ABS	✓	✓	✓	
		RCM/SRS	✓	✓	✓	
		ICM (Instrument Pack System)	✓	✓	✓	

MODEL	YEAR	SYSTEM	READ FAULT CODE	CLEAR FAULT CODE	DATA STREAM	CODING
X-TYPE	02 – 04 3.0L	ENGINE	✓	✓	✓	
		AT	✓	✓	✓	
		ABS	✓	✓	✓	
		SRS	✓	✓	✓	
		GEM (Generic Electric Module)	✓	✓	✓	
		ACM (Audio Control Module)	✓	✓	✓	
		ICM (Instrument Pack System)	✓	✓	✓	
	2003 MT V6 Sport 2.5L	ENGINE	✓	✓	✓	
		ABS	✓	✓	✓	
		SRS	✓	✓	✓	
		GEM (Generic Electric Module)	✓	✓	✓	
		ACM (Audio Control Module)	✓	✓	✓	
		ICM (Instrument Pack System)	✓	✓	✓	
	2004 TDCi 2.0L	ENGINE	✓	✓	✓	
		AT	✓	✓	✓	
		ABS	✓	✓	✓	
		SRS	✓	✓	✓	
		GEM (Generic Electric Module)	✓	✓	✓	
		ACM (Audio Control Module)	✓	✓	✓	
	ICM (Instrument Pack System)	✓	✓	✓		

D91 / iSCAN Specification

MODEL	YEAR	SYSTEM	READ FAULT CODE	CLEAR FAULT CODE	DATA STREAM	CODING
XJ-Series	1998 4.0L	ENGINE	✓	✓	✓	
		AT	✓	✓	✓	
		ABS	✓	✓	✓	
		ICM (Instrument Pack System)	✓	✓	✓	
		Body processor module	✓	✓	✓	

MODEL	YEAR	SYSTEM	READ FAULT CODE	CLEAR FAULT CODE	DATA STREAM	CODING
XJ8-TYPE	2000 4.0L	ENGINE	✓	✓	✓	
		AT	✓	✓	✓	
		ABS	✓	✓	✓	
	01-02 3.2L	ENGINE	✓	✓	✓	
		AT	✓	✓	✓	
		ABS	✓	✓	✓	
		ICM (Instrument Pack System)	✓	✓	✓	
		Body processor module	✓	✓	✓	

MODEL	YEAR	SYSTEM	READ FAULT CODE	CLEAR FAULT CODE	DATA STREAM	CODING
XKR-TYPE	2003 4.2L	ENGINE	✓	✓	✓	
		AT	✓	✓	✓	
		ABS	✓	✓	✓	

D91 / iSCAN Specification

Models equipped with OBD-II Connector, SELECT BY SYSTEM: (for unknown models / versions only)

SYSTEM	READ FAULT CODE	CLEAR FAULT CODE	DATA STREAM	CODING
ENGINE	✓	✓		
AT	✓	✓		
ABS	✓	✓		
SRS	✓	✓		

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KIA® 1998 – 2008

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

VERSION: 5.01 DATE: DEC., 2009

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

SYSTEM	MODEL	DATA STREAM	READ CODE	CLEAR CODE	CODING / ADAPTATION
*ENGINE (gasoline)	CARENS(99~02:1.8L, 03~06:1.6/1.8/2.0L, 07: 2.0/2.4L)				
	CARNIVAL/SEDONA(98~02: 2.5L, 03~05: 2.5/3.5L, 06~07: 2.7/3.8L)				
	CERATO(07: 1.6/2.0L)				
	CLARUS(all 1.8/2.0L)				
	JOICE(all 2.0L EURO3)				
	EURO STAR/PICANTO/MORNING(04~07: 1.0/1.1L)				
	OPRIUS/AMANTI(04~06: 3.5L, 07)				
	OPTIMA/MAGENTIS(00~05: 2.0/2.4/2.5/2.7L, 06~07: 2.0/2.4/2.7L CAN)				
	POTENTIA(all unlead 2.0L)				
	PRIDE(~98: 1.3L<parital>)	✓	✓	✓	✓
	RETONA(all 2.0L)				(refer to the coding table)
	RIO(00~03:1.3/1.5L, 06~07: 1.4/1.6L)				
	SHUMA/SPECTRA(99~00: 1.5L/1.8L, 01~03: 1.6/1.8L)				
	SORENTO(03~05: 2.4/3.5L, 07: 3.3L/3.8L)				
	SPORTAGE(~03: 2.0L/UNLEAD(AUS), 05~08: 2.0/2.7L)				
	SEPHIA/MENTOR (before 98:1.5/1.6L AFM read/clear dtc only, ~00: 1.5L, ~04: 1.6/1.8L)				
VISTO					

SYSTEM	MODEL	DATA STREAM	READ CODE	CLEAR CODE	CODING / ADAPTATION
*Engine (diesel)	BONGO III, K2900(K2.9 CRDi); KAON K2900(K2.9 CRDi CAN)) CARENS(03~07: 2.0L), CARNIVAL/SEDONA(02~05: 2.9L, 06~07: J2.9), CERATO(07: 1.6L), EURO STAR/PICANTO/MORNING(06~07: 1.1L), FRONTIER(02~05: 2.5L 4D56 TCI), KAON/BONGO(BONGO II, K2500(02~08: 2.5L 4D56 TCI); OPTIMA/MAGENTIS(06~07: 2.0L), PREGIO/BESTA(02~05: 2.5L 4D56 TCI), RIO(06~07: 1.5L), SORENTO(03~05, 07: 2.5L), SPORTAGE(05~08: 2.0L),	✓	✓	✓	

iSCAN / D91 Specification

SYSTEM	MODEL	DATA STREAM	READ CODE	CLEAR CODE	CODING / ADAPTATION
*AT	CARENS(99~02: gasoline, 03~06: gasoline/diesel, 07: 2.0/2.4L gasoline, 2.0L diesel), CARNIVAL/SEDONA(98~02: gasoline/diesel, 03~05: gasoline/diesel/3.5L gasoline, 06~07: 2.7/3.8L gasoline, 2.9L diesel), CERATO(07: 1.6/2.0L gasoline, 1.6L diesel), EURO STAR/PICANTO/MORNING(04~07: gasoline, 06~07: diesel), OPRIUS/AMANTI(04~06, 07), OPTIMA/MAGENTIS(00~05: 2.0/2.4/2.5/2.7L gasoline, 06~07: 2.0/2.4/2.7L gasoline CAN, 2.0L diesel), RETONA, RIO(00~03: LHD/RHD, 06~07), SEPHIA/MENTOR(~04)(before 98: only read/clear), SHUMA/SPECTRA(99~03), SORENTO(03, 04~05: 4 gear, 5 gear only read/clear DTC, 07: diesel JATCO only read/clear DTC, gasoline), SPORTAGE(98~03: gasoline/diesel, 05~08: 2.0L gasoline / diesel, 2.7L gasoline), VISTO	✓	✓	✓	

SYSTEM	MODEL	DATA STREAM	READ CODE	CLEAR CODE	CODING / ADAPTATION
*ABS	CARENS(03~07), CARNIVAL/SEDONA(98~01, 02~07), EURO STAR/PICANTO/MORNING(04~07), JOICE, OPRIUS/AMANTI(04~07), OPTIMA/MAGENTIS(00~01, 02: mando/bosch, 03~05, 06~07), RIO(03~05, 06~07), SHUMA/SPECTRA(99~01<partial>), SORENTO(03~07), SPORTAGE(98~03: gasoline/diesel, 05~08), SEPHIA(98~01<parital>), VISTO	✓	✓	✓	
*Air Bag	CARENS(99~02, 03~06, 07), CARNIVAL/SEDONA(98~05, 06~07), CERATO(07), EURO STAR/PICANTO/MORNING(04~07), JOICE, OPRIUS/AMANTI(04~07), OPTIMA/MAGENTIS(00~05, 06~07), RIO(01~05: LHD/RHD, 06~07), SEPHIA/MENTOR(98~04), SHUMA/SPECTRA(99~03), SORENTO(03~07), SPORTAGE(~03, 05~08), VISTO,	✓ (Only for JOICE)	✓	✓	

SYSTEM	MODEL	DATA STREAM	READ CODE	CLEAR CODE	CODING / ADAPTATION
*IMMO.	CARENS(07: gasoline, 06~07: diesel), CARNIVAL/SEDONA(06: diesel), CERATO(07: diesel), EURO STAR/PICANTO/MORNING(06: diesel), OPTIMA/MAGENTIS(06: CAN), RIO(06), SORENTO(07: diesel), SPORTAGE(06: diesel),	✓ (Only for CAN)			

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

* Refer to the activation tables for the engine system.

* Injector function(read, write and clear BAR code) of diesel engine system of 2.9L type NON-CAN of CARNIVAL/SEDONA 06~07 and KAON BONGO III K2900 is supported.

CODING / ADAPTATION FUNCTIONS

MODELS	FUNCTINS
CARENS(03~06: 2.0L)	1. Adaptation Reset, 2.Transmission Type Selection, 3.TCS exist or not
SPORTAGE(05~06: 2.0L)	1. Adaptation Reset, 2.Transmission Type Selection, 3.TCS exist or not, 4.ABS/Vehicle Speed exist or not
OPTIMA/MAGENTIS(all 2.5/2.7L)	1. Adaptation Reset, 2.Transmission Type Selection, 3.TCS exist or not
VISTO(all lead/ unlead)	1. Adaptation Reset

GASOLINE ENGINE ACTIVATION FUNCTIONS

MODELS	ACTIVATIONS
CARENS(99~02:1.8L, 03~06:1.6/1.8L), CARNIVAL/SEDONA(02~05: 2.5L V6), SEPHIA/MENTOR(~98:1.5/1.6L AFM, 98~00:1.5/1.8L , 01~04:1.6/1.8L), SHUMA/SPECTRA(99~03:1.5/1.6/1.8L), SPORTAGE(98~03: 2.0L(UNLEAD/BOSCH)/UNLEAD(AUS)),	ECU do not have any activation function
CARENS(03~06: 2.0L), CARNIVAL/SEDONA(98~05: 2.5L(KV6)/3.5L, 06~07: 2.7/3.8L), CLARUS(ALL 1.8/2.0L) , EURO STAR/PICANTO/MORNING(04~07), SEPHIA/MENTOR(~98:1.8L), SORENTO(03~05: 2.4/3.5L), SPORTAGE(~98: 2.0L, 98~03: 2.0L LEAD, 05~06: 2.0/2.7L),	✓

DIESEL ENGINE ACTIVATION FUNCTIONS

MODELS	ACTIVATIONS
CARENS(03~07: 2.0L), CARNIVAL/SEDONA(02~05: 2.9L, 06~07: J2.9), EURO STAR/PICANTO/MORNING(06~07: 1.1L), KAON K2500(02~08: 2.5L 4D56 TCI), K2900 , SORENTO(03~05), SPORTAGE(05~08: 2.0L),	✓

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LANDROVER®

VERSION: 2.00 DATE: AUG., 2009

ENGINE SYSTEM

SYSTEM	MODEL	YEAR	ID	CLEAR ADAPTATION	DATA STREAM	READ/CLEAR FAULT	ACTIVATION
ENGINE	Discovery 3(LR3) 4.0L V6	2005-2006			✓	✓	
	Discovery 3(LR3) 4.4L V8	2005-2006			✓	✓	
	Discovery 2		✓	✓	✓	✓	
	Range Rover 1998 - 1999	1998 - 1999	✓		✓	✓	
	Range Rover Petrol ME7.2	2002-2005	✓	✓	✓	✓	
	Range Rover Sport 4.2L V8	2006			✓	✓	
	Range Rover 4.4L V8	2006			✓	✓	
	Range Rover 4.4L V8	2007				✓	
Freelander Petrol V6 (EMS2000)	2001				✓	✓	

TRANSMISSION

SYSTEM	MODEL	YEAR	CLEAR ADAPTATION	DATA STREAM	READ / CLEAR FAULT	ACTIVATION	
AUTOMATIC TRANSMISSION	Discovery 3(LR3) 4.0L V6	2005-2006		✓	✓		
	Discovery 3(LR3) 4.4L V8	2005-2006		✓	✓		
	Discovery 2		✓	✓	✓		
	Range Rover 1998 - 1999	1998 - 1999		✓	✓		
	Range Rover L322	2002-2005	✓	✓	✓	✓	
	Range Rover Sport 4.2L V8	2006			✓	✓	
	Range Rover 4.4L V8	2006			✓	✓	
	Range Rover 4.4L V8	2007				✓	
Freelander Petrol V6(EMS2000)				✓	✓		

CHASSIS SYSTEM

SYSTEM	MODEL	YEAR	DATA STREAM	READ / CLEAR FAULT	ACTIVATION
PARKING BRAKE CONTROL MODULE	Discovery 3(LR3) 4.0L V6	2005-2006	✓	✓	
	Discovery 3(LR3) 4.4L V8	2005-2006	✓	✓	
	Range Rover Sport 4.2L V8	2006	✓	✓	
	Range Rover 4.4L V8	2007		✓	
VEHICLE DYNAMICS CONTROL MODULE	Discovery 3(LR3) 4.0L V6	2005-2006	✓	✓	
	Discovery 3(LR3) 4.4L V8	2005-2006	✓	✓	
	Range Rover Sport 4.2L V8	2006	✓	✓	
	Range Rover 4.4L V8	2006	✓	✓	
	Range Rover 4.4L V8	2007		✓	
STEERING ANGLE SENSOR MODULE	Discovery 3(LR3) 4.0L V6	2005-2006	✓	✓	
	Discovery 3(LR3) 4.4L V8	2005-2006	✓	✓	
	Range Rover L322	2002-2005		✓	
	Range Rover Sport 4.2L V8	2006	✓	✓	
	Range Rover 4.4L V8	2006	✓	✓	
	Range Rover 4.4L V8	2007		✓	
ABS	Freelander V6(EMS2000)		✓	✓	
	Discovery 2		✓	✓	
	Range Rover L322	2002-2005		✓	
EHC	Range Rover L322	2002-2005		✓	

BODY SYSTEM

SYSTEM	MODEL	YEAR	DATA STREAM	READ / CLEAR FAULT	ACTIVATION
RCM/SRS AIRBAG	Discovery 3(LR3) 4.0L V6	2005-2006	✓	✓	
	Discovery 3(LR3) 4.4L V8	2005-2006	✓	✓	
	Discovery 2			✓	
	Range Rover L322	2002-2005		✓	
	Range Rover Sport 4.2L V8	2006	✓	✓	
	Range Rover 4.4L V8	2007		✓	
	Freelander Petrol V6(EMS2000)	2001	✓	✓	
INSTRUMENT CLUSTER	Range Rover L322	2002-2005		✓	
GM3	Range Rover L322	2002-2005		✓	
AIR CONDITION	Range Rover L322	2002-2005		✓	
EWS	Range Rover L322	2002-2005		✓	

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For MAZDA® 1990 – 2003

Version: V1.64 Date: January 18st, 2006

SYSTEM		YEAR	DATA STREAM	READ CODE	CLEAR CODE	SWITCH TEST
PCM	Engine	1996 – 2005 (NOTE)	✓	✓	✓	
	AT	1996 – 2005 (NOTE)	✓	✓	✓	
Engine (Impulse code)		1990 – 2002		✓	✓	✓
TCM / AT (Impulse code)		1990 – 2002		✓	✓	
Air Bag		From prod. up to 2002		✓	✓	
ABS		From prod. up to 2002		✓	✓	
Cruise Control		From prod. up to 2002		✓	✓	
A/C		From prod. up to 2002		✓	✓	

Connectors and Systems:

6+1 Pin Connector:	PCM (Engine)
20 Pin Connector:	PCM (Engine) TCM (Automatic Transmission)
17+8 Pin Connector:	PCM (Engine) TCM (Automatic Transmission) ABS Air Bag
OBD-II Connector:	Powertrain Systems adopt ISO 9141-2, and ISO 14230 protocols for communication.
OBD-II Connector:	MAZDA US Models from 1995~2000, are equipped with 17+8 Pin and OBD-II Connectors and it have to test with 17+8Pin Connector. OBD-II Connector only supports Generic OBD-II protocol communication only. MAZDA from year 2000 begin equipped with OBD-II Connector only.

* NOTE: The system adapted with CAN protocol is not supported.

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MITSUBISHI® 1988 – 2007 (CAN and non-CAN Systems)

VERSION: V4.00 DATE: March, 2008

SYSTEM (non-CAN)	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION	ID NO. DISPLAY
Engine (Gasoline / GDI / Diesel)	1988 – 2007	✓	✓	✓	✓	
Transmission (ELC-4 / 5 AT)	1988 – 2007	✓	✓	✓	✓	
Air Bag	From prod. up to 2007	✓	✓	✓	✓	
ABS	From prod. up to 2007	✓	✓	✓	✓	
TCL (Traction Control)	From prod. up to 2007	✓	✓	✓	✓	
A/C	From prod. up to 2007	✓	✓	✓	✓	
SWS	From prod. up to 2007	✓	✓	✓	✓	
AYC/ACD	From prod. up to 2007	✓	✓	✓	✓	
Immobilizer	From prod. up to 2007	✓	✓	✓	Special Functions	
Other Systems	From prod. up to 2007					✓

iSCAN / D91 Specification

SYSTEM (CAN)	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION	ID NO. DISPLAY
Engine (Gasoline / GDI / Diesel)	- 2007	✓	✓	✓		
Transmission (ELC-AT)	- 2007	✓	✓	✓		
Air Bag	- 2007	✓	✓	✓		
ABS / ASC	- 2007	✓	✓	✓		
TCL (Traction Control)	- 2007	✓	✓	✓		
Cruise Control	- 2007	✓	✓	✓		
A/C	- 2007	✓	✓	✓		
Immobilizer	- 2007	✓	✓	✓		
Meter	- 2007	✓	✓	✓	Special function (note 7)	
Display	- 2007		✓	✓		
TPMS	- 2007		✓	✓		

Note:

1. Some of early models, Automatic Transmission and ABS systems are have no digital protocol communication capability. It might be used jumping wire to energize the impulse codes or flash codes on Instrument cluster.
2. **Other Systems include Cruise, 4WS and ECS.**
3. To register a key, a manufacturer password is required(for example 2949). The user should be aware that only two keys can be valid at the same time. That is, if the user has two valid keys, the user register another new key, then, one of the original valid keys will be invalidated.
4. To register a new key, there are two procedure: (1) Key register, which can be done by this software. (2) Remote Controller Register, which control the central lock, can't be registered by the scanner. Users should consult the repair manual to go through this procedure.
5. Recommend remote control register procedure:
 - (1) Short the diagnostic connector pin 1 to ground.
 - (2) Switch ignition to ACC within 10seconds, stay for 1 second.
 - (3) Switch to OFF, stay for 1 second.
 - (4) Repeat step (2) and (3) for three times. The door locks of the vehicle will lock and unlock automatically once, and go into password setting mode.
 - (5) Push key remote control button twice. (The first push has to be within 10 seconds).
 - (6) After the procedure is carried out, the locks of the vehicle will lock and unlock automatically once.
 - (7) Finished.
 - (8) To set the second remote controller, repeat procedure (1) to (7). NOTICE! The central lock module can only store two passwords (keys).
6. Do not support some models equipped with Chrysler systems(ex. Eclipse, Magic).
7. **Increase special functions involving key registration, add keys, and engine keycode register.**

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INFINITI® / NISSAN® 1990 – 2009

OBDSII / 14-pin connector, CAN / non-CAN protocol, Diagnosis / Data / Activation / Adaptation / Waveform / Immobilizer Key Learning

VERSION: V5.00 DATE: MARCH 22nd, 2009

MODELS EQUIPPED WITH 14-PIN CONNECTOR AND OBD-II CONNECTOR (CAN and Non-CAN Vehicles) (Note 1)

SYSTEM	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION AND WORK SUPPORT
ENGINE - Petrol	1989 – 2006	✓	✓	✓	✓
ENGINE - Diesel	1989 – 2006	✓	✓	✓	
ENGINE of NISSAN TSURU in MEXICO		✓	✓	✓	✓
Automatic Transmission	1991 – 2006	✓	✓	✓	
NCVT (Nissan Continuous Variable Transmission)	From prod. up to 2004	✓	✓	✓	
ABS	From prod. up to 2006	✓	✓	✓	✓ (note 2)
Air Bag	From prod. up to 2005		✓	✓	
TCS	From prod. up to 2002		✓	✓	
4WD	From prod. up to 2003	✓	✓	✓	
D/SUS (Dumping Suspension)	From prod. up to 2000		✓	✓	
NATS (Nissan Anti-Theft System)	From prod. up to 2003		✓	✓	✓ Initialization Coding
IVMS (In Vehicle Multiple System)	From prod. up to 2003		✓	✓	
BCM (Body Control Module)	From prod. up to 2004		✓	✓	
SMART ENTRANCE	From prod. up to 2004		✓	✓	✓
HEAD LAMP LEVELIZER	From prod. up to 2004		✓	✓	
ADP (Automatic Drive Positioner)	From prod. up to 2004		✓	✓	

Note:

1. Some of early models, Automatic Transmission, ABS and Air bag systems have no digital protocol communication capability. It might be used jumping wire to energize the impulse codes or flash codes on Instrument cluster.
2. ABS WORK SUPPORT, include: (1) Steering angle adjust. (2) Deceleration G sensor calibration. (3) Side G sensor calibration. (4) Pressure sensor calibration.

MODELS EQUIPPED WITH OBD-II CONNECTOR (Only CAN Systems) (Note 3)

SYSTEM	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION AND WORK SUPPORT
ENGINE	From prod. up to 2007	✓	✓	✓	✓ (note 6)
AT / CVT	From prod. up to 2007	✓	✓	✓	
ABS	From prod. up to 2007		✓	✓	
IKEY (Intelligent Key)	From prod. up to 2007	✓	✓	✓	✓ (note 7)
Power Steering	From prod. up to 2007		✓	✓	
ADP (Auto Drive Positioner)	From prod. up to 2007		✓	✓	
IPDM E/R	From prod. up to 2007	✓	✓	✓	
TPMS (Tire Pressure Monitor)	From prod. up to 2007		✓	✓	✓ (note 5)
Meter	From prod. up to 2007		✓	✓	
Meter & A/C Amplifier	From prod. up to 2007		✓	✓	
BCM	From prod. up to 2007	CAN communication check	✓	✓	✓ (note 4)
AWD / 4WD	From prod. up to 2007		✓	✓	

Note:

3. To communicate with the CAN protocol models (after 05'), please select OBDII-IM4 instead of NSN-IM1. Please connect with vehicles using OBDII-IM4 first, then try NSN-IM1 if fail to connect. A car may equip with CAN system and non-CAN system together. **For more connection information, please refer to "Quick Manual For The Diagnostic Cable Connection".**
4. **WORK SUPPORT for BCM: BCM NUMBER READER, STEERING LOCK RELEASE.**
5. **WORK SUPPORT for TPMS: READ ID, REGISTER ID**
6. **WORK SUPPORT for ENGINE: IDLE AIR LEARNING, IGNITION TIMMING ADJUSTMENT, IDLE SPEED ADJUSTMENT, SELF-LEARNING CONTROL, THROTTLE POSITION LEARNING RESET, THROTTLE CLOSED LEARNING, MT LEARNING, VVEL POSITION SENSOR ADJUSTMENT RESET.**
7. **WORK SUPPORT for I-KEY: REGISTER I-KEY NUMBER, CHECK I-KEY REMOTE CONTROL LOCATION.**

BCM ITEMS

	SYSTEM	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION AND WORK SUPPORT	
BCM	IMMU	✓			✓	
	INTELLIGENT KEY	✓			✓	
	MULTI REMOTE ENT	✓			✓	
	THEFT ALM	✓			✓	
	AIR CONDITIONER	✓			✓	
	DOOR LOCK	✓			✓	
	TRUNK	✓			✓	
	INT LAMP	✓			✓	
	HEAD LAMP	✓			✓	
	AIR PRESSURE MONITOR	✓			✓ (note 5)	
	BATTERY SAVER	✓			✓	
	BUZZER	✓			✓	
	COMB SW	✓			✓	
	FLASHER	✓			✓	
	FUEL LID	✓			✓	
	PANIC ALARM	✓			✓	
	REAR DEFOGGER	✓			✓	
	RETAINED PWR	✓			✓	
	SIGNAL BUFFER	✓			✓	
	WIPER	✓			✓	
	SEC-E C/U	CAN communication check		✓	✓	
	KEYLESS ENTRY	✓				✓
	KEY REMINDER	✓				✓
	CHILD LOCK	✓				✓
	H/L EASH	✓				✓
DIRECTION INDICATORS	✓				✓	

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SUBARU®

VERSION: 3.00 DATE: DEC., 2009

Models equipped with OBD-II Connector (KWP-2000)

SYSTEM	SYSTEM INFO.	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION
ENGINE	✓	✓	✓	✓	
TRANSMISSION (E-4AT)	✓	✓	✓	✓	

Models equipped with OBD-II Connector (SSM), CS-IM1 interface needed.

SYSTEM	SYSTEM INFO.	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION
ENGINE	✓	✓	✓	✓	
TRANSMISSION	✓	✓	✓	✓	
CCS	✓	✓	✓		
ABS	✓	✓	✓	✓	
EPS	✓				

NOTE: Please attach **CS-IM1** between OBD-II connector and **MULTI-IM1 / MULTI-EM1 / IM5~3.**

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VERSION: V2.50 Date: May 26th, 2009

CHAIRMAN

DRIVE	DATA STREAM	READ / CLEAR CODES	ACTIVATION	ADAPTATION	INITIAL CODING
LH-SFI / LH-SFI LEFT	✓	✓	✓	✓	
LH-SFI RIGHT	✓	✓	✓	✓	
HFM-SFI	✓	✓	✓	✓	✓
ME 2.0 / 2.1	✓	✓	✓	✓	✓
EAG 722.5 (5-speed automatic ETC)	✓	✓	✓		
EGS 722.6	✓	✓	✓	✓	
IFI / ERE (Electronic Inline injection)	✓	✓			
EDS		✓			

CHASSIS	DATA STREAM	READ / CLEAR CODES	ACTIVATION	ADAPTATION	INITIAL CODING
ABS	✓	✓			
ASR	✓	✓			
ETS	✓	✓			
ESP (Electronic Stability Program)	✓	✓			

BODY	DATA STREAM	READ / CLEAR CODES	ACTIVATION	ADAPTATION	INITIAL CODING
AB (SRS / Airbag)	✓	✓			

REXTON

System	DATA STREAM	READ / CLEAR CODES	ACTIVATION	ADAPTATION
Engine Diesel (D27DT)	✓	✓		
AT(DC 5 AT T-Tronic)	✓	✓		
AT(BTRA 4 AT)	✓	✓		
ABS(TEVES)	✓	✓		
ABS/ESP(TEVES)	✓	✓		
ABS(BOSCH)	✓	✓		
SRS-AIRBAG(SRE-NCS)		✓		
4WD(NEW PART TIME)	✓	✓		
4WD(NEW TOD)	✓	✓		
4WD(TOD)		✓		
SSPS(POWER STEERING)	✓	✓		

STAVIC / RODIUS

System	DATA STREAM	READ / CLEAR CODES	ACTIVATION	ADAPTATION
Engine Diesel (D27DT)	✓	✓		
Engine Diesel (D20DT)	✓	✓		
AT	✓	✓		
ABS(TEVES)	✓	✓		
ABS/ESP(TEVES)	✓	✓		
SRS-AIRBAG(SRE-NCS)		✓		
4WD(NEW PART TIME)	✓	✓		
4WD(NEW TOD)	✓	✓		

KYRON

System	DATA STREAM	READ / CLEAR CODES	ACTIVATION	ADAPTATION
Engine Diesel (D27DT)	✓	✓		
Engine Diesel (D20DT)	✓	✓		
AT	✓	✓		
ABS(TEVES)	✓	✓		
ABS/ESP(TEVES)	✓	✓		
SRS-AIRBAG(SRE-NCS)		✓		
4WD(NEW PART TIME)	✓	✓		
4WD(NEW TOD)	✓	✓		

ACTYON

System	DATA STREAM	READ / CLEAR CODES	ACTIVATION	ADAPTATION
Engine Diesel (D20DT)	✓	✓		
AT	✓	✓		
ABS(TEVES)	✓	✓		
ABS/ESP(TEVES)	✓	✓		
SRS-AIRBAG(SRE-NCS)		✓		
4WD(NEW PART TIME)	✓	✓		
4WD(NEW TOD)	✓	✓		

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SUZUKI®

Version: 3.00 Date: April, 2008

None OBD-II for SUZUKI® 1991 – 2003

Models equipped with GM® 12-Pin Diagnostic Connector.

SYSTEM	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION
ENGINE	1991-2003	✓(1)	✓(1)	✓	
AT	1991-2003			✓	
ABS	1991-2003	✓(2)	✓(2)	✓	
SRS	1991-2003	✓	✓	✓	
IMMOBILIZER	1991-2003			✓	

(1) Not available on ALTO (SH410), Baleno Diesel (SY419)

(2) Not available on Nissinbo, Bosch, Delco 2WD / 4WD

OBD-II for SUZUKI® 1997– 2006

Models equipped with OBD-II vehicle Diagnostic Connector:

SYSTEM	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION
ENGINE	1999-2006	✓	✓	✓	
AT	1999-2006	✓	✓	✓	
ABS	1999-2006	✓	✓	✓	
SRS	1999-2006	✓	✓	✓	
ESP	1999-2006	✓	✓	✓	
BCM	1999-2006	✓	✓	✓	
IMMOBILIZER	1999-2006			✓	

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TOYOTA® / LEXUS® / SCION® 1991 - 2009

OBDII / 17-pin / 23-pin, CAN / non-CAN protocol, Diagnosis / Live Data / Work Support / Activation / Adaptation

Version: V5.00 Date: March , 2009

OBD-II for TOYOTA / LEXUS 1997 - 2006

Models equipped with OBD-II connector only for non-CAN system

POWER TRAIN SYSTEM, non-CAN

SYSTEM	YEAR	DATA STREAM	READ / CLEAR CODE	ACTIVATION	ADAPTATION
Engine (Gasoline / Diesel)	1997-2006	✓	✓	✓	Reset ECM / Memory
Engine (Diesel D4D)	-2006	✓	✓		
Transmission	1997-2006	✓	✓	✓	
Transmission (Diesel D4D)	-2006	✓	✓		
CCS (Cruise Control System)	1997-2006	✓	✓		
Laser/Radar CCS	1997-2006	✓	✓		
HV CCS	1997-2006	✓	✓		
HV ECU (Hybrid Vehicle ECU)	1997-2006	✓	✓		
HV Battery	1997-2006	✓	✓		1. Onboard Equalizing Charge 2. ECU Initialization
Stop and Go	1997-2006		✓		
Sequential MT (Manual Transmission)	1997-2006		✓		

CHASSIS SYSTEM, non-CAN

SYSTEM	YEAR	DATA STREAM	READ / CLEAR CODE	ACTIVATION	ADAPTATION
ABS / VSC / TRC	1997-2006	✓	✓	✓	1. Zero Point Calibration 2. ECB Utilities 3. Reset Memory
AHC / EMS / TEMS (Air Suspension)	1997-2006	✓	✓		1. Height Offset Utility
TPWS (Tire Pressure Warning System)	1997-2006	✓	✓		
TPMS (Tire Pressure Monitoring System)	1997-2006	✓	✓		1. ID Registration (Color Code) 2. ID Registration (ID Code)
EMPS / EHPS (Electric Motor Assisted Power Steering)	1997-2006	✓	✓		1. Torque Sensor Zero Point Adjustment
T/M Control	1997-2006		✓		
VGRS (Variable Gear-Ratio Steering)	1997-2006		✓		1. Steer Angle Adjust 2. Counter Clear 3. Clear Pre-driver Malfunction Counter 4. System lock 5. System unlock
KDSS (Kinetic Dynamic Suspension System)			✓		
Stabilizer			✓		1. Backup Memory Reset

AIR CONDITION SYSTEM, non-CAN

SYSTEM	YEAR	DATA STREAM	READ / CLEAR CODE	ACTIVATION	ADAPTATION
A/C	1997-2006	✓	✓		

IMMOBILIZER SYSTEM, non-CAN

SYSTEM	YEAR	DATA STREAM	READ / CLEAR CODE	ACTIVATION	ADAPTATION
Immobilizer (Engine ECU)	1997-2006	✓	✓		1. Key Utility 2. Immobilizer ECU Reset
Immobilizer / Steering Lock	1997-2006	✓	✓		1. Key Utility 2. Immobilizer ECU Reset
TDS (Thief Deterrent)			✓		
Smart Key			✓		

BODY SYSTEM, non-CAN

SYSTEM	YEAR	DATA STREAM	READ / CLEAR CODE	ACTIVATION	ADAPTATION
SRS / Airbag	1997-2006	-	✓	-	-
Meter / Combination Meter	1997-2006	✓	-	✓	-
Tilt & Telescopic / Steering Wheel	1997-2006	✓	✓		
Body / Gateway	1997-2006		✓		1. Wireless Register 2. Automatic Door Locking and Unlocking 3. ECU Connection Information Initialization
Body 2	1997-2006	✓	✓		
Body 3	1997-2006		✓		
Body 4	1997-2006	✓	✓		
Body 5		✓	-		
AFS (Adaptive Front-lighting System)	1997-2006	✓	✓		1. Steering Sensor Initialization
Power Source Control	1997-2006	✓	✓		
Pre-Crash / Pre-Collision	1997-2006	✓	✓		
Wiper	1997-2006	✓	-		
Rain Sensor		✓	-	-	
Clearance Sonar		✓	✓		
Mirror / Mirror-Right		✓	-		
Mirror-Left		✓	-		

SEAT / DOOR / ROOF SYSTEM, non-CAN

SYSTEM	YEAR	DATA STREAM	READ / CLEAR CODE	ACTIVATION	ADAPTATION
Occupant Detection	1997-2006	✓	✓		1. Zero Calibration 2. Sensitivity Check
RTRCTBL Hardtop	1997-2006	✓	✓		-
D-DOOR (Driver Door)	1997-2006	✓	✓		
P-DOOR (Passenger Door)	1997-2006	✓	✓		
RL-DOOR (Rear Left Door)		✓	✓		
RR-DOOR (Rear Right Door)		✓	✓		
BACK-DOOR			✓		
D-SEAT (Driver Seat)		✓			
P-SEAT (Passenger Seat)		✓			
RR-SEAT (Rear Right Seat)		✓			
RL-SEAT (Rear Left Seat)		✓			
Slide Roof		✓			

SWITCH SYSTEM, non-CAN

SYSTEM	YEAR	DATA STREAM	READ / CLEAR CODE	ACTIVATION	ADAPTATION
Master Switch		✓			
D-SEAT Switch		✓			
Combination Switch		✓			
Steering Pad		✓			
Rear-Seat Switch		✓			

WORK SUPPORT

SYSTEM	FUNCTIONS
Transmission	<ol style="list-style-type: none"> 1. SMT Learning Value Initialization 2. G Sensor Zero Point Learning 3. AT/CVT Learning Value Initialization 4. CVT Oil Pressure Learning 5. Clutch Oil Pressure Learning
Electronic Controlled Diesel (ECD)	<ol style="list-style-type: none"> 1. Injector Correction (Each Cylinder Code Confirmation) 2. Injector Correction (Manual ID Code Registration) 3. Injector Class Confirmation 4. Injector Class Setting 5. Filter's related work (compulsion again start) 6. Filter's related work (difference presses confirmation) 7. Supply Pump Initialization 8. Engine Setting Change
Radar Cruise	<ol style="list-style-type: none"> 1. Optical Axis Adjustment 2. Radar Cruise Initialization
Battery	<ol style="list-style-type: none"> 1. ECU Initialization
Mild HV	<ol style="list-style-type: none"> 1. Refresh Charge 2. SOC Learning
Stop & Go	<ol style="list-style-type: none"> 1. Starter Active Count Display 2. Starter Active Count Setting 3. Starter Active Count Clear 4. CVT Oil Pressure Pump Air Bleeding
VGRS (Variable Gear-Ratio Steering)	<ol style="list-style-type: none"> 1. Actuator Angle Center Adjustment 2. System Lock 3. System Unlock 4. Clear Predriver Malfunction Counter Value
Power Steering	<ol style="list-style-type: none"> 1. Steering Wheel Zero Point Adjustment

OBD-II for TOYOTA® / LEXUS® after 2006

Models equipped with OBD-II connector only for CAN system (Use IM5 interface card instead of IM-ASIAN interface card)

POWER TRAIN SYSTEM, after 2006

SYSTEM	YEAR	DATA STREAM	READ / CLEAR CODE	ACTIVATION	ADAPTATION
Engine (Petrol / Diesel) and ECT	2006 - 2009	✓	✓		1. Injector Compensation (Diesel Engine) 2. G Sensor, Zero Point Learning
ECT (Transmission)	2006 - 2009	✓	✓		
Hybrid Control	2006 - 2009	✓	✓		
HV Battery	2006 - 2009	✓	✓		
E-ACM	2006 - 2009	✓	✓		
Cruise Control (Engine ECU)	2006 - 2009	✓	✓		
Cruise Control (HV ECU)	2006 - 2009	✓	✓		
Radar Cruise (HV ECU)	2006 - 2009	✓	✓		

CHASSIS SYSTEM, after 2006

SYSTEM	YEAR	DATA STREAM	READ / CLEAR CODE	ACTIVATION	ADAPTATION
ABS / VSC / TRC	2006 - 2009	✓	✓		1. Zero Point Calibration 2. ECB Utilities 3. Reset Memory
Advanced Parking Guidance System	2006 - 2009		✓		
EMPS (Electric Motor Assisted Power Steering)	2006 - 2009		✓		
Tire Pressure Monitor	2006 - 2009	✓	✓		1. Reset Memory 2. ID Registration (ID Code)
EPB (Electric Parking Brake)	2006 - 2009		✓		1. Reset Memory
Air Suspension	2006 - 2009	✓	✓		
Lane Keeping Assist	2006 - 2009	✓	✓		
Front Stabilizer	2006 - 2009		✓		
Rear Stabilizer	2006 - 2009		✓		

AIR CONDITION SYSTEM, after 2006

SYSTEM	YEAR	DATA STREAM	READ / CLEAR CODE	ACTIVATION	ADAPTATION
A/C	2006 - 2009	✓	✓		1. Servomotor Initialization
Front Right Seat A/C	2006 - 2009	✓	✓		
Front Left Seat A/C	2006 - 2009	✓	✓		
Rear Right Seat A/C	2006 - 2009	✓	✓		
Rear Left Seat A/C	2006 - 2009	✓	✓		

IMMOBILIZER SYSTEM, after 2006

SYSTEM	YEAR	DATA STREAM	READ / CLEAR CODE	ACTIVATION	ADAPTATION
Starting Control	2006 - 2009	✓	✓		
Remote Engine Starter	2006 - 2009	✓	✓		
Entry & Start (Smart Key)	2006 - 2009	✓	✓		

BODY SYSTEM, after 2006

SYSTEM	YEAR	DATA STREAM	READ / CLEAR CODE	ACTIVATION	ADAPTATION
SRS / Airbag	2006 - 2009	✓	✓	-	-
Combination Meter	2006 - 2009	✓	✓	✓	-
Rain Sensor	2006 - 2009	✓	✓		
AFS / Head Light Auto Leveling	2006 - 2009		✓		
Pre-Collision	2006 - 2009	✓	✓		
Pre-Crash 2	2006 - 2009	✓	✓		
Electric Power Control	2006 - 2009		✓		
Intuitive P/A (Intuitive Parking Aid)	2006 - 2009	✓	✓		
Main Body	2006 - 2009	✓	✓		

GATEWAY SYSTEM, after 2006

SYSTEM	YEAR	DATA STREAM	READ / CLEAR CODE	ACTIVATION	ADAPTATION
Gateway CAN	2006 - 2009	✓	✓		
ECM Gateway	2006 - 2009	✓	✓		
ECB Gateway	2006 - 2009	✓	✓		
Mayday Gateway	2006 - 2009	✓	✓		
PM1 Gateway	2006 - 2009	✓	✓		

SEAT / DOOR / ROOF SYSTEM, after 2006

SYSTEM	YEAR	DATA STREAM	READ / CLEAR CODE	ACTIVATION	ADAPTATION
RL-DOOR (Rear Left Door)	2006 - 2009	✓	✓		
RR-DOOR (Rear Right Door)	2006 - 2009	✓	✓		
D-Door Motor	2006 - 2009	✓	✓		
P-Door Motor	2006 - 2009	✓	✓		
RR-Door Motor	2006 - 2009	✓	✓		
RL-Door Motor	2006 - 2009	✓	✓		
D-SEAT (Driver Seat)	2006 - 2009	✓	✓		
P-SEAT (Passenger Seat)	2006 - 2009	✓	✓		
RR-SEAT (Rear Right Seat)	2006 - 2009	✓	✓		
RL-SEAT (Rear Left Seat)	2006 - 2009	✓	✓		
Back Door Power Window	2006 - 2009	✓	✓		
Slide Roof	2006 - 2009	✓	✓		

SWITCH SYSTEM, after 2006

SYSTEM	YEAR	DATA STREAM	READ / CLEAR CODE	ACTIVATION	ADAPTATION
MASTER SW	2006 - 2009	✓	✓		
D-SEAT SW	2006 - 2009	✓	✓		
Center Console Switch	2006 - 2009	✓			
Rear Console Switch	2006 - 2009	✓	✓		
Combination Switch	2006 - 2009	✓			
Steering Pad Switch	2006 - 2009	✓			

Non OBD-II for TOYOTA® / LEXUS® 1991 - 1997

Models equipped with 23-Pin, 17-Pin and OBD-II Vehicle Diagnostic Connector:

SYSTEM	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION
Engine	1991 - 1999	✓	✓	Disconnect fuse	-
Airbag / SRS	1991 - 1997	-	✓	✓	-
ABS	1991 - 1997	-	✓	-	-
Traction	1991 - 1997	-	✓	-	-
Auto A/C	1991 - 1997	-	✓	-	-
Cruise Control	1991 - 1997	-	✓	-	-
Air Suspension	1991 - 1997	-	✓	-	-

- ECU does not support

✓ Available Function

TROUBLE SHUTTING:

Some models equip not only one connector. Some functions can be found on OBDII / 17-pin connector, and the other systems will be found on 23-pin connector. Try to connect to those systems using different connectors and different interfaces (ASIAN-IM1 and OBDII-IM5).

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OBD-II ISO9141 and ISO14230 / KWP 2000 / SAE 1850 VPW / SAE 1850 PWM / ISO 15765 CAN

Version: 4.00 Date: July, 2008

⌘ VEHICLES:

Vehicle Powertrain system adopt :

- ISO 9141 (using adaptor OBDII-IM3 / IM4)
- ISO 14230 / KWP-2000 (using adaptor OBDII-IM3 / IM4)
- SAE 1850 VPW (using adaptor OBDII-IM4)
- SAE 1850 PWM (using adaptor OBDII-IM4)
- ISO 15765 CAN (using adaptor OBDII-IM3 / IM4)

1 Model Year: 1996 and Later

⌘ AVAILABLE TESTS:

1 & 2. Read and Clear DTC

- Read & Clear Diagnostic Trouble Codes (DTC's) (OBD-II Mode 3 & 4)
- Read Diagnostic Trouble Codes (DTC's)
- Reset DTC's and Freeze Frame data.

3. Data Stream

- Pid Status (OBD-II Mode 1)
- Parameter Identification (PID) information
- Status and Readiness of PID's
- Live PID information
- Read Live Data (OBD-II Mode 6, 7 & 8)

4. Freeze Frame

- "Freeze Frame" data for Diagnostic Trouble Codes (DTC). (OBD-II Mode 2)

5. Readiness Status

- "Monitoring function" operating status.

6. O₂S Monitoring

- Oxygen Sensor operation and testing. (OBD-II Mode 5)

7. Data Scan-Waveform

- RPM signal / O₂ sensor signal / Mass air flow sensor signal / Ignition timing / TPS signal / MAP sensor signal