

iSCAN / D91

The Most Advanced All-In-One Scan Tool

21 in 1

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

Specification

D91 ASIAN PRO YUP 2008

USA / English Version

March 2008

AUTOLAND
S C I E N T E C H

iSCAN / D91 Specification



TOYOTA[®] / LEXUS[®] / SCION[®] 1991 - 2007

Version: **V4.00** Date: January , 2008

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	
Air Bag	1991 - 1997		✓	✓	
ABS	1991 - 1997		✓		
Traction	1991 - 1997		✓		
Auto A/C	1991 - 1997		✓		
Cruise Control	1991 - 1997		✓		

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OBD-II for Toyota / Lexus 1997 – 2006

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

SYSTEM	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION	RESET MEMORY
Engine (Gasoline / Diesel)	1997-2006	✓	✓	✓	✓	✓
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	✓	✓	✓		
Stop and Go	1997-2006		✓	✓		
Sequential MT (Manual Transmission)	1997-2006		✓	✓		
ABS/Traction/VSC	1997-2006	✓	✓	✓	Bleeding	✓(note1)(note6)
AHC/EMS/AIR Suspension	1997-2006	✓	✓	✓		
Tire Pressure Warning System(TPWS)	1997-2006	✓	✓	✓		
Tire Pressure Monitoring System(TPMS)	1997-2006	✓	✓	✓		
EMPS/EHPS (Electric Motor Assisted Power Steering)	1997-2006	✓	✓	✓		(note2)
T/M Control	1997-2006		✓	✓		
VGRS (Variable Gear-Ratio Steering)	1997-2006		✓	✓		(note3)
A/C	1997-2006	✓	✓	✓		
OCC (Occupant Detect Seat Sensor)	1997-2006	✓	✓	✓		✓ (note4)

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OBD-II for Toyota / Lexus 1997 – 2006

Models equipped with OBD-II connector only for non-CAN system (cont.)

SYSTEM	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION	RESET MEMORY
SRS Air Bag	1997-2006		✓	✓		
Immobilizer	1997-2006	✓	✓	✓	Key registration	
Meter	1997-2006	✓	✓	✓		
Tilt & Telescopic/Steering Wheel	1997-2006		✓	✓		
Thief Detection System(TDS)	1997-2006		✓	✓		
Clearance Sonar	1997-2006		✓	✓		
Retractable Hardtop	1997-2006		✓	✓		
Gateway or Body	1997-2006		✓	✓		(note5)
Body 2	1997-2006	✓	✓	✓		
Body 4	1997-2006	✓	✓	✓		
Driver's Door	1997-2006	✓	✓	✓		
Passenger's Door	1997-2006	✓	✓	✓		
Rear Left Door	1997-2006	✓	✓	✓		
Rear Right Door	1997-2006	✓	✓	✓		
Back Door	1997-2006		✓	✓		
Smart Key	1997-2006		✓	✓		
AFS (Adaptive Front-lighting System)	1997-2006		✓	✓		
Power Source Control	1997-2006		✓	✓		

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OBD-II for Toyota / Lexus 2006

Models equipped with OBD-II connector only for CAN system (Use IM3/IM4 interface card instead of IM-TYT interface card)

SYSTEM	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION	RESET MEMORY
Engine (Gasoline / Diesel / Diesel D4D)	-2007	✓	✓	✓		(note7)
Transmission	-2007	✓	✓	✓		
CCS (Cruise Control System)	-2007	✓	✓	✓		
Laser / Radar CCS	-2007	✓	✓	✓		
HV CCS	-2007	✓	✓	✓		
HV ECU (Hybrid Vehicle ECU)	-2007	✓	✓	✓		
HV Battery	-2007	✓	✓	✓		
ABS / Traction / VSC	-2007	✓	✓	✓		✓(note1)(note6)
TPMS (Tire Pressure Monitoring System)	-2007	✓	✓	✓		✓
EMPS / EHPS (Electric Motor Assisted Power Steering)	-2007	✓	✓	✓		
SRS Air Bag	-2007	✓	✓	✓		
Smart Key	-2007	✓	✓	✓		
AFS (Adaptive Front-lighting System)	-2007	✓	✓	✓		
A/C	-2007		✓	✓		

NOTE1: Special function for ABS/Traction/VSC system: "Zero Point Calibration"

NOTE2: Special function for EMPS/EHPS: "Zero Point Adjustment"

NOTE3: Special functions for VGRS: "Steer Angle Adjust", "Counter Clear"

NOTE4: Special functions for Occupant detect seat sensor system: "Sensitivity Check", "Zero Calibration"

NOTE5: Special functions for Gateway or Body: "Wireless Register", "Door auto lock/unlock description"

NOTE6: Special functions for ABS/Traction/VSC: "ECB Utility"

NOTE7: Special functions for ENGINE: "Injector Compensation"

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D91 HONDA® / ACURA® 1991 – 2007

Version: V2.50 Date: January, 2008

Models equipped with 3-Pin Connector 9/1991 - 2002

SYSTEM	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ECU RESET
Engine (PGM-FI)	9/1991 – 2002	✓	✓	✓	✓
Transmission (A/T)	5/1993 – 2002	✓	✓	✓	
Air Bag (SRS)	9/1993 – 2002	✓	✓	✓	
ABS / VSA	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.

Models equipped with OBD-II Connector 1997 – 2007 (CAN and non-CAN version)(note1)

SYSTEM	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION	O2 SENSOR MONITORING	DATA WAVEFORM
Engine	1997 – 2007	✓	✓	✓	✓ (note2)	✓	✓
Transmission (A/T)	1997 – 2007	✓	✓	✓			
Air Bag (SRS)	1997 – 2007		✓	✓	✓ (note3)		
ABS / VSA (Vehicle Stability Assistant)	1997 – 2007	✓	✓	✓			
PSE (Power Steering)	1997 – 2005	✓	✓	✓			
Immobilizer					✓ (note4)		
SCS	1997 – 2005			✓			

NOTE 1: Only IM3 / IM4 interface module supports CAN protocol communication. IM2 / IM1 will fail to communicate with CAN-protocol ECUs.

NOTE 2: EVAP activation for some versions. NOT all versions are supported.

NOTE 3: Seat weight sensor calibration for some versions. NOT all versions are supported.

NOTE 4: Support TYPE 2A, 2B, 2C and TYPE 3. The models are for reference only :

For HONDA: ACCORD: 1998-2002, CIVIC: 2001-2005, CR-V: 2002-2006, ELEMENT: 2003-2005, INSIGHT: 2000-2006, ODYSSEY: 1998-2004, PILOT: 2003-2005, S2000: 2000-2005

For ACURA: CL: 1999-2003, INTEGRA: 2000-2001, MDX: 2001-2006, RSX: 2002-2006, TL: 1999-2003

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INFINITI® / NISSAN® 1990 - 2007

Version: V3.50 Date: August 28th, 2007

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	✓	✓	✓	
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		✓	✓	
AT / CVT	From prod. up to 2007		✓	✓	
ABS	From prod. up to 2007		✓	✓	
IKEY (Intelligent Key)	From prod. up to 2007		✓	✓	
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		✓	✓	
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:

- To communicate with the CAN protocol models (after 05'), please select IM3 / IM4 instead of NSN-C. Please connect with vehicles using IM3 / IM4 first, then try NSN-C if fail to connect. A car may equip with CAN system and non-CAN system together.

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

VERSION: V3.50 DATE: OCTOBER 17th, 2007

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 function	
Other Systems	From prod. up to 2007					✓

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	✓	✓	✓		
Display	- 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).

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For FORD® Group OEM 1994-2005

VERSION: 2.50 Date: August 17th, 2007

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	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: 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	✓	✓	✓	

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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, E250	1995-2005	✓	✓	✓	
	MAZDA: Tribute, Mazda 3, Mazda 6, Demio, Mazda2, Mazda5, Mazda8, MPV, RX-8, Verisa, Atenza, Axela					
	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	✓	✓	✓		

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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	✓	✓	✓	

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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, E250	1995-2005	✓	✓	✓	
	MAZDA: Mazda Tribute, Mazda 3, Mazda 6, Demio, Mazda2, Mazda5, MPV, RX-8, Verisa, Atenza, Axela					
	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	✓	✓	✓	

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BODY SYSTEMS, INSTRUMENT CLUSTER

SYSTEM	MODEL	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ADAPTATION
ICM (Instrument cluster)	Windstar ,Mazda3, Mazda 6, Focus, Demio, Mazda2, Mazda5, RX-8, Verisa, Atenza, Axela, E250	1999-2005	✓	✓	✓	
	Escape 2.3L/3.0L, Tribute 2.3L	2005	✓	✓	✓	
	Metrostar, Escape 2.0L/3.0L, Tribute 2.0L/3.0L	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 elec. module)	Mondeo / Metrostar, Taurus, Explorer, Windstar, Escape / Mazda Tribute, Focus, Mazda5, Atenza, Axela	1996-2005	✓	✓	✓	
	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	✓	✓	✓	

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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	✓	✓	✓	

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BODY SYSTEMS

SYSTEM	MODEL	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ADAPTATION
RHID (Right hi-intensity discharge lamp)	Mondeo / Metrostar, Atenza	2000-2005	✓	✓	✓	
LHID (Left high intensity discharge lamp)	Mondeo / Metrostar, Atenza	2000-2005	✓	✓	✓	
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	✓	✓	✓	

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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	✓	✓	✓	
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	~2006	✓	✓	✓	

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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	✓	✓	✓	

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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	✓	✓	✓	

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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	✓	✓	✓	

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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

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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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For JAGUAR®

Version: **V1.00** Date: January, 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)	✓	✓	✓		
		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)	✓	✓	✓				

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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)		✓	✓	✓		

MODEL	YEAR	SYSTEM	READ FAULT CODE	CLEAR FAULT CODE	DATA STREAM	CODING
XJ8-TYPE	2000 4.0L	ENGINE	✓	✓	✓	
		AT	✓	✓	✓	
		ABS	✓	✓	✓	

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

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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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For LANDROVER[®]

Version: 1.00 Date: June 26th, 2007

ENGINE SYSTEM

SYSTEM	MODEL	YEAR	DATA STREAM	READ FAULT	CLEAR FAULT	ACTIVATION
ENGINE SYSTEM	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		✓	✓	
	Freelander Petrol V6(EMS2000)	2001		✓	✓	

TRANSMISSION

SYSTEM	MODEL	YEAR	DATA STREAM	READ FAULT	CLEAR FAULT	ACTIVATION
AUTOMATIC TRANSMISSION	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		✓	✓	
	Freelander Petrol V6(EMS2000)	2001		✓	✓	

CHASSIS SYSTEM

SYSTEM	MODEL	YEAR	DATA STREAM	READ FAULT	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 Sport 4.2L V8	2006		✓	✓	
	Range Rover 4.4L V8	2006		✓	✓	
	Range Rover 4.4L V8	2007		✓	✓	

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BODY SYSTEM

SYSTEM	MODEL	YEAR	DATA STREAM	READ FAULT	CLEAR FAULT	ACTIVATION
RCM/SRS AIRBAG	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		✓	✓	
	Freelander Petrol V6(EMS2000)	2001		✓	✓	

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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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iSCAN / D91 Specification



GM[®] for North America 1996-2005, with CAN protocol.

Version: V2.00 Date: July 25th, 2007

SYSTEM	YEAR	FUNCTIONS				CONNECTOR
		READ FAULT CODE	CLEAR FAULT CODE	DATA STREAM	VIN INFORMATION	
ENGINE & TRANSMISSION	1996~2005	✓	✓	✓ (NOTE1)	✓	OBD-II connector
ABS	1996~2005	✓	✓			OBD-II connector
SRS (AIRBAG)	1996~2005	✓	✓			OBD-II connector
OIL RESET	1996~2005	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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iSCAN / D91 Specification



D91 CHRYSLER® only for CAN-protocol

Version: V1.00 Date: July 25th, 2007

POWER TRAIN SYSTEM

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

CHASSIS SYSTEM

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

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	✓		

iSCAN / D91 Specification

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	✓		
PLGM (Power Lift Gate Module)	2003~2007	✓		
PDM (Passengers Door Module)	2003~2007	✓		
PTS (Parktronics)	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	✓		

AIR CONDITION

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

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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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HYUNDAI® 1989~2005

Version: 2.00 Date: February, 2007

Models equipped with OBD-II connector

SYSTEM	MODEL	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION
*Engine (gasoline)	ACCENT(1995~), ATOS(1998~), COUPE(1997~), ELANTRA(1992~), SANTA-FE(2001~), SONATA(1989~), TERRACAN(2001~), TRAJET(2001~), XG(1999~), MATRIX(2002~), GETZ(2005), GALLOPER-II, TUCSON(2004~)	✓	✓	✓	
*Engine (diesel)	GETZ(2003~),TUCSON(2004~),TRAJET(2001~), SANTA-FE(2001~),ELANTRA(1992~) GALLOPER-II,TERRACAN(2001~)	✓	✓	✓	
*AT	ACCENT(1995~), ATOS(1998~), COUPE(1997~), ELANTRA(1992~), SANTA-FE(2001~), SONATA(1989~), TERRACAN(2001~), TRAJET(2001~2003), 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~)		✓	✓	
*Airbag	ACCENT(1995~), ATOS(1998~), COUPE(1997~), ELANTRA(1992~2005), MATRIX(2002~) ,SANTA-FE(2001~), SONATA(1994~), TERRACAN(2001~), TRAJET(2001~), XG(1999~), GALLOPER-II, TUCSON(2004~)		✓	✓	
*Immobilizer	TUCSON(2.0l/2.7l Gas, Diesel), GETZ,SANTA FE, ATOS, MATRIX(Diesel, 1.8l Gas),ELANTRA(2004~2005,Diesel,1.6l/1.8l/2.0l Gas), ELANTRA (2001~2003, Diesel, 1.8l/2.0l Gas)	✓	✓ (only TUCSON 2.7l)	✓ (only TUCSON 2.7l)	
*4WD	TUCSON, SANTA FE, TERRACAN(TOD TYPE)		✓	✓	
*AUTO AC	TUCSON		✓	✓	

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

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



D91-HYUNDAI®, 1989~2003

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

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

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D91-KIA® 1998~2006

Version: 3.00 Date: Dec. 17th, 2007

OBD-II connector/20-pins 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), CARNIVAL/SEDONA(98~02:2.5L, 03~05:2.5/3.5L, 06:2.7L/3.8L), EURO STAR/PICANTO/MORNING(04~06), SPORTAGE(~98:2.0L lead, 98~00:2.0L, 01~03:2.0L BOSCH/LEAD, 05~06:2.0L/2.7L), SORENTO(03~05:2.4/3.5L), RIO(00~03:1.3/1.5L), SHUMA/SPECTRA(99~00:1.8L, 01~03:1.6/1.8L), OPTIMA/MAGENTIS(00~02:2.0/2.4/2.5/2.7L, 03:2.0/2.4/2.5(Ti O2)/2.7L), SEPHIA/MENTOR(98~00:1.8L, ~04:1.5/1.6/1.8L) (before 98, only read/clear) POTENTIA(all year:unlead 2.0L), RETONA(all year: 2.0L), VISTO(all) CLARUS(all year: 1.8L/2.0L), JOICE(all year: 2.0L EURO3),	✓	✓	✓	✓ (refer to the coding table)

iSCAN / D91 Specification

SYSTEM	MODEL	DATA STREAM	READ CODE	CLEAR CODE	CODING / ADAPTATION
*Engine (diesel)	CARENS(05~07:2.0L non CAN), EURO STAR/PICANTO/MORNING(06:1.1L non CAN), SPORTAGE(05~06:2.0L non CAN), CARNIVAL/SEDONA(00~05:2.9L, 06:J2.9 non CAN), FRONTIER(02~05: 2.5L 4D56 TCI), PREGIO/BESTA(02~05: 2.5L 4D56 TCI), KAON K2500(02~05: 2.5L 4D56 TCI), KAON K2900(K2.9CRDi BONGO III), SORENTO(03~05:)	✓	✓	✓	

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

iSCAN / D91 Specification

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

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

* CAN-protocol ECUs are not supported.

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

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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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D91 SUBARU®

Version: 2.50 Date: December 18th, 2007

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

SYSTEM	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION
ENGINE	1996 - 2006	✓	✓	✓	
TRANSMISSION			✓	✓	
ABS		✓	✓	✓	

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D91 SUZUKI®

Version: 2.50 Date: December , 2007

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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For OBD-II ISO9141 and 14230 / KWP-2000 / SAE 1850 VPW / SAE 1850 PWM / ISO 15765 CAN

Version: 3.20 Date: November 11st, 2006

⌘ VEHICLES:

Vehicle Powertrain system adopt :

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