

## BarsIII Professional



### TOYOTA / LEXUS 1991-2014

February 2015

#### Non OBD-II for Toyota/Lexus 1991-1997

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

##### 23-Pin Connector Models

SYSTEM	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION
Engine	+	+	Disconnect fuse	
Air Bag / SRS		+	+	
ABS		+	Disconnect fuse	

##### 17-Pin Connector Models

SYSTEM	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION
Engine	+	+	Disconnect fuse	
Air Bag / SRS		+	+	
ABS		+	Disconnect fuse	
Air Suspension		+		
Traction		+		
Auto A/C		+		
Cruise Control		+		

#### OBD-II for TOYOTA / LEXUS 1997-2006

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

SYSTEM	TYPE SYSTEM	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION	ADAPTATION
POWER TRAIN	Engine (Gasoline / Diesel)	+	+	+	+	+ Reset ECM / Memory,

						Check Mode Setting, VIN, Deceleration Sensor Zero Point Calibration, CVT Oil Pressure Calibration
	<b>Engine (Diesel D4D)</b>	+	+	+	+	+ Injector Compensation, Pilot Quantity Learning
	<b>Transmission</b>	+	+	+	+	
	<b>Transmission (Diesel D4D)</b>	+	+	+	+	
	<b>Sequential MT</b> Manual Transmission		+	+		+ Parts Exchange
	<b>CCS</b> Cruise Control System	+	+	+		
	<b>Laser/Radar CCS</b>	+	+	+		
	<b>HV CCS</b> Hybrid Vehicle Cruise Control System	+	+	+		
	<b>HV Control</b> Hybrid Vehicle ECU	+	+	+		
	<b>HV Battery</b>	+	+	+		+ Onboard Equalizing Charge, ECU Initialization
	<b>Stop and Go</b>		+	+		
<b>CHASSIS</b>	<b>ABS/ TRC / VSC</b> Anti-Lock Brake System Traction Control Vehicle Stability Control	+	+	+	+	+ Reset Memory, Zero Point Calibration, ECB Utility (if provided), Test Mode Setting, Air Bleeding
	<b>AHC</b> Active Height Control	+	+	+		+ Height Offset Utility
	<b>TPMS</b> Tire Pressure Monitoring System	+	+	+		+ ID Registration (Color Code), ID Registration (ID Code), ECU Initialization
	<b>EMPS/EHPS</b> Electric Motor Power Steering Electric Hydraulic Power Steering	+	+	+		+ Torque Sensor Zero Point Adjustment (Type 1, 2)
	<b>T/M Control</b>		+	+		
	<b>VGRS</b> Variable Gear Ratio Steering		+	+		+ Steer Angle Adjust,

						Counter Clear, Clear Pre-driver Malfunction Counter, System lock, System unlock
	<b>KDSS</b> Kinetic Dynamic Suspension System <b>Stabilizer</b>	+	+	+		
			+	+		+ Backup Memory Reset
<b>AIR CONDITION</b>	<b>A/C</b>	+	+	+	+	+ Servomotor Initialization
<b>IMMOBILIZER</b>	<b>Immobilizer (Engine ECU)</b>	+	+	+		+ Key Utility, Immobilizer ECU Reset
	<b>Immobilizer / Steering Lock</b>	+	+	+	+	+ Key Utility, Immobilizer ECU Reset
	<b>Thief Detection System (TDS)</b>	+	+	+	+	
	<b>Smart Key</b>	+	+	+	+	
<b>BODY</b>	<b>SRS (Air Bag)</b>		+	+		
	<b>Meter / Combination Meter</b>	+			+	
	<b>Clearance Sonar</b>	+	+	+	+	
	<b>Tilt &amp; Telescopic / Steering Wheel</b>	+	+	+	+	
	<b>Gateway or Body</b>	+	+	+	+	+ Wireless Register, Automatic Door Locking and Unlocking, ECU Connection Information Initialization
	<b>Body 2</b>	+	+	+	+	
	<b>Body 3</b>		+	+	+	
	<b>Body 4</b>	+	+	+	+	
	<b>Body 5</b>	+			+	
	<b>AFS</b> Adaptive Front-lighting System	+	+	+	+	+ Steering Sensor Initialization
	<b>Wiper</b>	+			+	
	<b>Power Source Control</b>	+	+	+	+	
	<b>Pre-Crash / Pre-Collision</b>	+	+	+	+	
	<b>Rain Sensor</b>	+				
<b>Mirror-Right</b>	+			+		

	Mirror-Left	+			+	
	Night View		+	+		
GATEWAY	Gateway		+	+		
SEAT / DOOR / ROOF	Occupant Detection	+	+	+		+ Zero Calibration Sensitivity Check
	Retractable Hardtop	+	+	+	+	
	D-DOOR (Driver Door)	+	+	+	+	
	P-DOOR (Passenger Door)	+	+	+	+	
	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	D-SEAT Switch	+				
	Combination Switch	+				
	Master Switch	+			+	
	Steering Pad	+				
	Rear-Seat Switch	+				

## OBD-II for Toyota/Lexus 2006-2014

Models equipped with OBD-II connector only for CAN system

SYSTEM	TYPE SYSTEM	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION	ADAPTATION
POWER TRAIN	Engine (Gasoline ) and ECT	+	+	+	+	+ Deceleration Sensor Zero Point Calibration, CVT Oil Pressure Calibration, Reset Memory, Check Mode, Electric Throttle Learning, Shift Control Synchronization
	Engine (Diesel )	+	+	+	+	+ Reset Memory,

						<b>Check Mode, Injector Compensation, Supply Pump Initialization, Crank Time Compensation Reset, A/F Sensor Compensation Reset, DPF Deterioration Record Clear, Pilot Quantity Learning, Learning Values Read</b>
	<b>CT</b> Transmission	+	+	+		<b>+ AT/CVT Learning Value Initialization, Check Mode, Reset Memory, A/T Code Registration</b>
	<b>HV Control</b> Hybrid Vehicle ECU	+	+	+	+	<b>+ Initialization, Reset Memory, Inspection Mode, Check Mode</b>
	<b>E-ACM</b> Electrically Controlled Engine Vibration	+	+	+		
	<b>CCS</b> Cruise Control System	+	+	+		
	<b>HV CCS</b> Hybrid Vehicle Cruise Control System	+	+	+		
	<b>HV Battery</b>	+	+	+		<b>+ Check Mode, Initialization</b>
	<b>FCHV</b> Fuel Cell Hybrid Vehicle	+				
	<b>FC</b> Fuel Cell	+				
	<b>Stop and Go</b>		+	+		<b>+ Starter Exchange, Reset A/C Information, Deceleration Sensor Zero Point Calibration, Deceleration Sensor Zero Point Clear,</b>

						<b>Oil Pump Air Bleeding</b>
	<b>Multi-Mode M/T</b>	+	+	+	+	+ <b>Initialization</b>
<b>CHASSIS</b>	<b>ABS / TRC / VSC</b> Anti-Lock Brake System Traction Control Vehicle Stability Control	+	+	+	+	+ Reset Memory, Zero Point Calibration, ECB Utility (if provided), Inspection Mode, Air Bleeding, Check Mode, Test Mode
	<b>TPMS</b> Tire Pressure Monitoring System	+	+	+		+ Reset Memory, ID Registration (ID Code), Check Mode, <b>ECU Initialization</b>
	<b>AHC</b> Active Height Control	+	+	+		
	<b>EMPS / EHPS</b> Electric Motor Power Steering Electric Hydraulic Power Steering	+	+	+		+ Torque sensor adjustment (Type 4,5,6,Japanese), Check Mode
	<b>EPB</b> Electric Parking Brake		+	+	+	+ Reset Memory, <b>Change Mode</b>
	<b>Intelligent Parking Assist</b>			+	+	
	<b>Lane Keeping Assist</b>	+	+	+		
	<b>Front Stabilizer</b>			+	+	
	<b>Rear Stabilizer</b>			+	+	
	<b>4WD</b> 4-Wheel Drive	+	+	+	+	+ Check Mode, Reset Memory
	<b>KDSS</b> Kinetic Dynamic Suspension System			+	+	+ Check Mode
<b>AIR CONDITION</b>	<b>A/C</b>	+	+	+	+	+ Servomotor Initialization, Refrigerant Gas Volume Check
	<b>Front Right Seat A/C</b>	+	+	+	+	
	<b>Front Left Seat A/C</b>	+	+	+	+	
	<b>Rear Right Seat A/C</b>	+	+	+	+	
	<b>Rear Left Seat A/C</b>	+	+	+	+	
<b>IMMOBILIZER</b>	<b>Entry and Start / Smart Key</b>	+	+	+	+	

	<b>TDS</b> Thief Detection System	+	+	+	+	
	<b>Remote Engine Starter</b>	+	+	+		+ Trouble Factor Code Clear
	<b>Starting Control</b>	+	+	+	+	
<b>BODY</b>	<b>Combination Meter</b>	+	+	+	+	
	<b>SRS / Airbag</b>	+	+	+		+ Check Mode
	<b>Pre-Collision</b>	+	+	+		+ Check Mode
	<b>Pre-Collision 2</b>	+	+	+		
	<b>Rain Sensor</b>	+	+	+		
	<b>Electric Power Control</b>	+	+	+		
	<b>Intuitive Parking Aid</b> Clearance Sonar	+	+	+	+	
	<b>Main Body /Gateway</b>	+	+	+	+	+ Initialization, Wireless Code Erase, Wireless Code Registration
	<b>AFS / Head Light Auto Leveling</b>		+	+	+	+ ECU Information Sync
	<b>Body 4</b>	+	+	+	+	
	<b>Body 5</b>		+	+	+	
	<b>Power Source Control</b>	+	+	+		+ Auto Power OFF Cancel
	<b>Tilt and Telescopic / Steering Wheel</b>	+	+	+	+	
	<b>PCS WIL R</b> Active Headrest R		+	+		
	<b>PCS WIL L</b> Active Headrest L		+	+		
	<b>Navigation System</b>		+	+		
<b>GATEWAY</b>	<b>ECB Gateway</b>	+	+	+		
	<b>ECM Gateway</b>	+	+	+		
	<b>Gateway CAN</b>	+	+	+		
	<b>HV Gateway</b>	+	+	+		
	<b>Mayday Gateway</b>	+	+	+		
	<b>Accessory Gateway</b>		+	+		

	<b>WIL Gateway</b>		+	+			
	<b>PM1 Gateway</b>	+	+	+		+ Initialization	
	<b>PM2 Gateway</b>		+	+		+ Initialization	
<b>SEAT / DOOR / ROOF</b>	<b>Driver Door</b>		+	+			
	<b>Passenger Door</b>		+	+			
	<b>Back Door</b>		+	+			
	<b>Driver's Door (D-DOOR) Motor</b>	+	+	+	+		
	<b>Passenger's Door (P-DOOR) Motor</b>	+	+	+	+		
	<b>Rear Left Door (RL-DOOR)</b>	+	+	+	+		
	<b>Rear Right Door (RR-DOOR)</b>	+	+	+	+		
	<b>Back Door Power Window</b>	+	+	+	+		
	<b>Rear Left Door (RL-DOOR) Motor</b>	+	+	+	+		
	<b>Rear Right Door (RR-DOOR) Motor</b>	+	+	+	+		
	<b>Driver Seat (D-SEAT)</b>	+	+	+	+		
				(*)	(*)		
	<b>Passenger Seat (P-SEAT)</b>	+	+	+			
				(*)	(*)		
	<b>Rear Right Seat (RR-SEAT)</b>	+	+	+			
<b>Rear Left Seat (RL-SEAT)</b>	+	+	+				
<b>Slide Roof</b>	+	+	+				
<b>SWITCH</b>	<b>D-SEAT Switch</b>	+	+	+	+		
	<b>Combination Switch</b>	+					
	<b>Master Switch</b>	+	+	+			
	<b>Steering Pad</b>	+					
	<b>Rear Consol Switch</b>	+	+	+	+		
	<b>Center Consol Switch</b>	+			+		

(\*) 2007~2009 LS460 does support



## SPECIAL LOCAL VEHICLES

### AVANZA ~2005/05

SYSTEM	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION	ADAPTATION
Engine	+	+	+		
ECT	+	+	+		
ABS	+	+	+		
Immobilizer		+	+		

### AVANZA 2005/05 ~

SYSTEM	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION	ADAPTATION
Engine	+	+	+		
ECT	+	+	+		
ABS	+	+	+		
Srs Airbag		+	+		
Immobilizer		+	+		

### RUSH

SYSTEM	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION	ADAPTATION
Engine	+	+	+		
ECT	+	+	+		
ABS	+	+	+		
Srs Airbag		+	+		
Immobilizer		+	+		

### WORK SUPPORT

Transmission	<ol style="list-style-type: none"><li>1. SMT Learning Value Initialization</li><li>2. G Sensor Zero Point Learning</li><li>3. AT/CVT Learning Value Initialization</li><li>4. CVT Oil Pressing Learning</li><li>5. Clutch Oil Pressure Learning</li><li>6. AT Unit Correction (AT Code Read /Save)</li></ol>
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	<ul style="list-style-type: none"> <li>7. AT Unit Correction (Automatic AT Code Registration)</li> <li>8. AT Unit Correction (Manual AT Code Registration)</li> <li>9. AT Unit Correction (AT Code Initialization )</li> </ul>
<b>Electronic Controlled Diesel (ECD)</b>	<ul style="list-style-type: none"> <li>1. Injector correction (each cylinder code confirmation)</li> <li>2. Injector correction (manual ID code registration)</li> <li>3. Injector class confirmation</li> <li>4. Injector class setting</li> <li>5. Filter's related work (compulsion again start)</li> <li>6. Filter's related work (difference presses confirmation)</li> <li>7. Supply pump initialization</li> <li>8. Engine setting change</li> </ul>
<b>Radar Cruise</b>	<ul style="list-style-type: none"> <li>1. Optical Axis Adjustment</li> <li>2. Radar Cruise Initialization</li> </ul>
<b>Battery</b>	<ul style="list-style-type: none"> <li>1. ECU Initialization</li> </ul>
<b>Mild HV</b>	<ul style="list-style-type: none"> <li>1. Refresh Charge</li> <li>2. SOC Learning</li> </ul>
<b>Stop &amp; Go</b>	<ul style="list-style-type: none"> <li>1. Starter Active Count Display</li> <li>2. Starter Active Count Setting</li> <li>3. Starter Active Count Clear</li> <li>4. CVT Oil Pressure Pump Air Bleeding</li> </ul>
<b>VGRS</b>	<ul style="list-style-type: none"> <li>1. Actuator Angle Center Adjustment</li> <li>2. System Lock</li> <li>3. System Unlock</li> <li>4. Clear Predriver Malfunction Counter Value</li> </ul>
<b>Electric Power Steering</b>	<ul style="list-style-type: none"> <li>1. Steering Wheel Zero Point Adjustment</li> </ul>

**CUSTOMIZE**  
non-CAN 1997-2006

<b>Door Lock</b>	<ul style="list-style-type: none"> <li>1. Speed Autolock (Once)</li> <li>2. All Unlock W/D door open-close</li> <li>3. IG ON Parking Unlock</li> <li>4. D-Seat Operation Unlock</li> <li>5. Lock Shift Brake</li> <li>6. Double Lock Set</li> <li>7. Unlock / Park</li> <li>8. All Unlock / Open-Close</li> <li>9. Unlock Key Twice</li> <li>10. Auto Lock</li> <li>11. Auto Lock / Shift</li> <li>12. Lock W/Shift P-except P Brake Release</li> <li>13. Auto Lock / Shift not P</li> <li>14. Mech. Key Entry Alarm Cancel</li> <li>15. Auto Unlock / Shift</li> </ul>
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<b>Warning</b>	<ol style="list-style-type: none"> <li>1. Key Remind Volume</li> <li>2. Key Remind Sound</li> <li>3. Buzzer Length</li> <li>4. Door Open-Close Buzzer/P</li> <li>5. Push-on Door-open Buzzer/P</li> <li>6. Carry Out Key Buzzer</li> <li>7. Door Op/Cl Buzzer</li> <li>8. Push-on Door-close Buzzer</li> <li>9. Key No Fit Warn Buzzer</li> <li>10. Key Battery Warn Buzzer</li> <li>11. Key Inside Lock Buzzer</li> <li>12. Half Lock Buzzer</li> <li>13. Smart Buzzer Volume</li> <li>14. Smart Buzzer Number</li> <li>15. Fr &amp; Rr Buzzer Frequency</li> <li>16. Fr &amp; Rr Buzzer Volume</li> <li>17. Keep Sense Status Buzzer</li> <li>18. Rear Buzzer Onset Range</li> <li>19. Front Buzzer Onset Range</li> <li>20. Light Reminder</li> <li>21. Key Reminder Volume</li> <li>22. Key Reminder Sound</li> <li>23. Seat Belt Warning</li> <li>24. Key Left in Vehicle Buzzer</li> <li>25. Lock Door in E/G Idling Buzzer</li> <li>26. Passenger Take Key</li> <li>27. Key Taken Warning (w/o P range)</li> <li>28. Key Taken Warning (w/P range)</li> <li>29. Number of Warning Buzzer Sound</li> <li>30. Key Out Range Warning</li> <li>31. Key Low Battery Warning</li> </ol>
<b>Slide Roof</b>	<ol style="list-style-type: none"> <li>1. Door Key Related Open</li> <li>2. Door Key Related Close</li> <li>3. Wireless Key Related Open</li> <li>4. Wireless Key Related Close</li> <li>5. Door Key Related Operation</li> <li>6. Wireless Key Related Operation</li> </ol>
<b>Unit Conversion</b>	<ol style="list-style-type: none"> <li>1. Units By Region</li> </ol>
<b>Compass Calibration</b>	<ol style="list-style-type: none"> <li>1. Compass Calibration</li> </ol>
<b>PSD &amp; PBD operation</b>	<ol style="list-style-type: none"> <li>1. Wireless PSD Operation (RR)</li> <li>2. Wireless PSD Operation (RL)</li> <li>3. PSD Buzzer Volume (RR)</li> <li>4. PSD Buzzer Volume (RL)</li> </ol>

	<ol style="list-style-type: none"> <li>5. PSD SW Operation (RR)</li> <li>6. PSD SW Operation (RL)</li> <li>7. PBD Assist Open</li> <li>8. PBD Assist Close</li> <li>9. Wireless PBD Operation</li> <li>10. PBD Buzzer Volume</li> <li>11. PBD SW Operation</li> <li>12. PBD One Motion</li> </ol>
<b>TVSS (Toyota Vehicle Security System)</b>	<ol style="list-style-type: none"> <li>1. Garage Mode</li> <li>2. IG Door Lock</li> <li>3. Piezo Buzzer Defeat</li> </ol>

## CUSTOMIZE

CAN system 2006-2014

<b>Door Lock</b>	<ol style="list-style-type: none"> <li>1. All Unlock / Open-Close</li> <li>2. Unlock Key Twice</li> <li>3. Auto Lock</li> <li>4. Auto Lock / Shift</li> <li>5. Auto Unlock / Shift</li> </ol>
<b>Warning</b>	<ol style="list-style-type: none"> <li>1. Fr Sensor Onset Range</li> <li>2. Rr Sensor Onset Range</li> <li>3. Keep Sense Buzzer</li> <li>4. Fr &amp; Rr Buzzer Freq</li> <li>5. Fr &amp; Rr Buzzer Volume</li> <li>6. Key Remind Volume</li> <li>7. Key Remind Sound</li> <li>8. Seat Belt Warning</li> <li>9. Key Low Battery Warning</li> <li>10. Driver Side Seatbelt Warning Buzzer</li> <li>11. Front Passenger Side Seatbelt Warning Buzzer</li> <li>12. Light Reminder</li> <li>13. Door Open Warning</li> </ol>
<b>Slide Roof</b>	<ol style="list-style-type: none"> <li>1. Door Key Related Open</li> <li>2. Door Key Related Close</li> <li>3. Wireless Key Related Open</li> <li>4. Wireless Key Related Close</li> <li>5. Door Handle Lock Button</li> <li>6. Door Key Related Operation</li> <li>7. Wireless Key Related Operation</li> </ol>
<b>Unit Conversion</b>	<ol style="list-style-type: none"> <li>1. Units By Region</li> </ol>

**PSD & PBD  
operation**

1. PBD Power Operation
2. Wireless PBD Operation
3. PBD SW Operation
4. PBD Buzzer
5. PBD Close SW Waiting Time
6. PBD Close SW Press Condition
7. Door Unlock with 1 Motion
8. One Motion
9. One Motion with Unlock Door
10. PSD SW Operation (RR)
11. PSD SW Operation (RL)
12. PSD Buzzer Volume (RR)
13. PSD Buzzer Volume (RL)
14. Wireless PSD Operation (RR)
15. Wireless PSD Operation (RL)
16. Smart Back Door P/W Up
17. Smart Back Door P/W Down
18. Smart Back Door P/W ON Time
19. Back Door P/W UP when half-shut

**KEY REGISTER / ERASE****Smart Key**

1. Key Status
2. Key Registration
3. Clear Keys (expert Master-Key)