

BarsIII Professional



TOYOTA / LEXUS 1991-2014

May 2016 ([Version 4V03](#))

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

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

	Mirror-Right	+			+	
	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, 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
CT Transmission	+	+	+			+ AT/CVT Learning Value Initialization, Check Mode, Reset Memory, A/T Code Registration
HV Control Hybrid Vehicle ECU	+	+	+	+		+ Initialization, Reset Memory, Inspection Mode, Check Mode
E-ACM Electrically Controlled Engine Vibration	+	+	+			
CCS Cruise Control System	+	+	+			
HV CCS Hybrid Vehicle Cruise Control System	+	+	+			
HV Battery	+	+	+			+ Check Mode, Initialization
FCHV Fuel Cell Hybrid Vehicle	+					
FC Fuel Cell	+					
Stop and Go		+	+			+ Starter Exchange, Reset A/C Information, Deceleration Sensor Zero Point Calibration,

						Deceleration Sensor Zero Point Clear, Oil Pump Air Bleeding
	Multi-Mode M/T	+	+	+	+	+ Initialization
CHASSIS	ABS / TRC / VSC 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
	TPMS Tire Pressure Monitoring System	+	+	+		+ Reset Memory, ID Registration (ID Code), Check Mode, ECU Initialization
	AHC Active Height Control	+	+	+		
	EMPS / EHPS Electric Motor Power Steering Electric Hydraulic Power Steering	+	+	+		+ Torque sensor adjustment (Type 4,5,6,Japanese), Check Mode
	EPB Electric Parking Brake		+	+	+	+ Reset Memory, Change Mode
	Intelligent Parking Assist		+	+		
	Lane Keeping Assist	+	+	+		
	Front Stabilizer		+	+	+	
	Rear Stabilizer		+	+	+	
	4WD 4-Wheel Drive	+	+	+	+	+ Check Mode, Reset Memory
	KDSS Kinetic Dynamic Suspension System		+	+		+ Check Mode
AIR CONDITION	A/C	+	+	+	+	+ Servomotor Initialization, Refrigerant Gas Volume Check
	Front Right Seat A/C	+	+	+	+	
	Front Left Seat A/C	+	+	+	+	
	Rear Right Seat A/C	+	+	+	+	

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

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

(*) 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">1. SMT Learning Value Initialization2. G Sensor Zero Point Learning3. AT/CVT Learning Value Initialization4. CVT Oil Pressing Learning
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	<ol style="list-style-type: none"> 5. Clutch Oil Pressure Learning 6. AT Unit Correction (AT Code Read /Save) 7. AT Unit Correction (Automatic AT Code Registration) 8. AT Unit Correction (Manual AT Code Registration) 9. AT Unit Correction (AT Code Initialization)
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	<ol style="list-style-type: none"> 1. Actuator Angle Center Adjustment 2. System Lock 3. System Unlock 4. Clear Predriver Malfunction Counter Value
Electric Power Steering	<ol style="list-style-type: none"> 1. Steering Wheel Zero Point Adjustment

CUSTOMIZE
non-CAN 1997-2006

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

operation	<ul style="list-style-type: none"> 3. PSD Buzzer Volume (RR) 4. PSD Buzzer Volume (RL) 5. PSD SW Operation (RR) 6. PSD SW Operation (RL) 7. PBD Assist Open 8. PBD Assist Close 9. Wireless PBD Operation 10. PBD Buzzer Volume 11. PBD SW Operation 12. PBD One Motion
TVSS (Toyota Vehicle Security System)	<ul style="list-style-type: none"> 1. Garage Mode 2. IG Door Lock 3. Piezo Buzzer Defeat

CUSTOMIZE
CAN system 2006-2014

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

Unit Conversion	1. Units By Region
PSD & PBD operation	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 1. Key Status 2. Key Registration 3. Clear Keys (expert Master-Key)
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Version 4V02 upgrade to Version 4V03

1. All models, Engine system (CAN), improve Data Stream displaying problem
2. All models, HV system (CAN), improve Data Stream displaying problem
3. All models, TPMS system (CAN), improve ID Registration function
4. All models, ABS system (CAN), Adaptation, improve Test Mode and Leaner Valve Learning Value Initialization description
5. All models, SMART system (CAN), Adaptation, improve Key Registration description
6. All models, Immobilizer system (CAN), Adaptation, improve Key Registration description
7. All models, all systems, improve Activation