

TOYOTA

1997 ~ 2016

BARS 5 PRO VERSION: 2018

Cover the models equipped with OBDII/17-PIN/23-PIN adaptor, Read / Clear DTC / Live data and Adaptation

Power Train

CAN SYSTEMS, MODELS AFTER 2006~

SYSTEM	READ / CLEAR FAULT CODE	DATA STREAM	ACTIVATION	ADAPTATION
				Deceleration/G Sensor Zero Point Calibration CVT Oil Pressure Calibration Reset Memory Check Mode Electric Throttle Learning Shift Control Synchronization VIN Idle Speed Learning Engine Control Value Initialization Catalyst Record Transferring Pressure Discharge Valve Check Vehicle Mileage Write Engine Oil Pressure Control Check Air Flow Meter Learning Value Reset All Readiness Differential Pressure Learning Value Reset DPF History Information Reset DPF Regeneration Timing Reset EGR Learning Value Reset Fuel PCV Compensation Value Reset Glow Control Unit Inspection Idle Speed Adjustment NOx Storage Catalyst Learning Value Reset O2 Sensor Learning Value Reset Injector Compensation Supply Pump Initialization Swirl Valve Learning Value Reset Upstream Turbine Pressure Learning Value Reset Crank Time Compensation Reset A/F Sensor Compensation Reset DPF Deterioration Record Clear Pilot Quantity Learning Learning Values Read Learning Values Confirmation
ENGINE Petrol / Diesel Engine	✓	✓	✓	
ECT Transmission	✓	✓		AT/CVT Learning Value Initialization Check Mode Reset Memory A/T Code Registration A/T Code Reset
CCS Cruise Control System	✓	✓		
HV Control Hybrid Vehicle ECU	✓	✓	✓	Initialization Reset Memory Inspection Mode Check Mode Battery Control Data Initialization
HV Battery	✓	✓		Check Mode Initialization
Laser / Radar Cruise	✓	✓	✓	Beam Axis Adjustment

FCHV Fuel Cell Hybrid Vehicle		✓		
FC Fuel Cell		✓		
E-ACM Electrically Controlled Engine Vibration	✓	✓		
				Starter Exchange Reset A/C Information Deceleration Sensor Zero Point Calibration Deceleration Sensor Zero Point Clear Oil Pump Air Bleeding
Stop and Go	✓			
Multi-Mode M/T	✓	✓	✓	Initialization
NON-CAN SYSTEMS, MODELS BETWEEN 1997~2006				
SYSTEM	READ / CLEAR FAULT CODE	DATA STREAM	ACTIVATION	ADAPTATION
				Gasoline Engine: Reset ECM/Memory Check Mode Setting VIN Deceleration Sensor Zero Point Calibration CVT Oil Pressure Calibration Diesel Engine: Injector Compensation Pilot Quantity Learning Supply Pump Initialization VIN
ENGINE and ECT Engine and Transmission	✓	✓	✓	
Sequential M/T Manual Transmission	✓			Parts Exchange
CCS Cruise Control System	✓	✓		
HV Control Hybrid Vehicle ECU	✓	✓		
HV Battery	✓	✓		Onboard Equalizing Charge ECU Initialization
Stop and Go	✓	✓		
CHASSIS				
CAN SYSTEMS, MODELS AFTER 2006~				
SYSTEM	READ / CLEAR FAULT CODE	DATA STREAM	ACTIVATION	ADAPTATION
				Air Bleeding Reset Backup Memory Check Mode Test Mode Zero Point Calibration Inspection Mode Linear Valve Learning Value Initialization Accumulator Zero Down Drive Yaw Rate / G Sensor Zero Point Clear (for ECB) ECB Invalid (for ECB) Zero Down (for ECB) Zero Down, Rear (for ECB) Linear Valve Offset (for ECB)
ABS/VSC/TRC Anti-Lock Brake System Vehicle Stability Control Traction Control	✓	✓	✓	
TPMS Tire Pressure Monitor	✓	✓		Reset Memory ID Registration (ID Code) Check Mode ECU Initialization
AHC Active Height Control	✓	✓	✓	
				Torque sensor adjustment (Type 4) Torque sensor adjustment (Type 5) Torque sensor adjustment (Type 6) Torque sensor adjustment (Japanese Models) Check Mode
EMPS / EHPS Electric Motor Powering Steering Electric Hydraulic Power Steering	✓	✓		
4WD 4-Wheel Drive	✓	✓	✓	Check Mode Reset Memory
Intelligent Parking Assist	✓			

Electric Parking Brake	✓	✓	✓	Reset Memory Change Mode EPB Lock Control EPB Release Control EPB Full Release Control
Lane Keeping Assist	✓	✓		
Front Stabilizer	✓		✓	
Rear Stabilizer	✓		✓	
KDSS Kinetic Dynamic Suspension System	✓			Check Mode
VGRS Variable Gear Ratio Steering	✓	✓		

NON-CAN SYSTEMS, MODELS BETWEEN 1997~2006

SYSTEM	READ / CLEAR FAULT CODE	DATA STREAM	ACTIVATION	ADAPTATION
ABS/VSC/TRC Anti-Lock Brake System Vehicle Stability Control Traction Control	✓	✓	✓	Reset Memory Zero Point Calibration ECB Utility (if provided) Test Mode Setting Air Bleeding
TPMS Tire Pressure Monitor	✓	✓		ID Registration (Color Code) ID Registration (ID Code) ECU Initialization
AHC Active Height Control	✓	✓	✓	Height Offset Utility
EMPS / EHPS Electric Motor Powering Steering Electric Hydraulic Power Steering	✓	✓		Torque sensor adjustment (Type 1) Torque sensor adjustment (Type 2)
VGRS Variable Gear Ratio Steering	✓			Steer Angle Adjust Counter Clear Clear Pre-driver Mailfunction counter value System Lock System Unlock
T/M Control	✓			
KDSS Kinetic Dynamic Suspension System	✓	✓		
Stabilizer	✓			Backup Memory Reset

AIR CONDITION

CAN SYSTEMS, MODELS AFTER 2006~

SYSTEM	READ / CLEAR FAULT CODE	DATA STREAM	ACTIVATION	ADAPTATION
Air Conditioner	✓	✓	✓	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	✓	✓	✓	

NON-CAN SYSTEMS, MODELS BETWEEN 1997~2006

SYSTEM	READ / CLEAR FAULT CODE	DATA STREAM	ACTIVATION	ADAPTATION
Air Conditioner	✓	✓	✓	Servomotor Initialization

MAIN BODY

CAN SYSTEMS, MODELS AFTER 2006~

SYSTEM	READ / CLEAR FAULT CODE	DATA STREAM	ACTIVATION	ADAPTATION
SRS Airbag	✓	✓		Check Mode
Meter	✓	✓	✓	
Tilt and Telescopic	✓		✓	ECU Information Sync
AFS Adaptive Front Lighting System	✓	✓	✓	Steering Sensor Initialization
Body / Gateway	✓	✓	✓	Initialization Wireless Code Erasure Wireless Code Registration
Body 4	✓		✓	
Body 5	✓		✓	

Power Source Control	✓	✓		Auto Power OFF Cancel	
Electric Power Control	✓	✓			
Rain Sensor	✓	✓			
Intuitive P/A Clearance Sonar	✓	✓	✓		
Pre-Collision(pre-crash)	✓	✓		Check Mode	
Pre-Collision(pre-crash) 2	✓	✓			
Navigation System	✓				
PCS WIL R Active Headrest Right	✓				
PCS WIL L Active Headrest Left	✓				
Transmission Control	✓				

NON-CAN SYSTEMS, MODELS BETWEEN 1997~2006

SYSTEM	READ / CLEAR FAULT CODE	DATA STREAM	ACTIVATION	ADAPTATION
SRS Airbag	✓			
Meter		✓	✓	
Tilt and Telescopic	✓	✓	✓	
AFS Adaptive Front Lighting System	✓	✓	✓	Steering Sensor Initialization
Body / Gateway	✓	✓	✓	Wireless Register Automatic door locking and unlocking function ECU Connection Information Initialization
Body 2	✓	✓	✓	
Body 3	✓	✓	✓	
Body 4	✓	✓	✓	
Body 5	✓	✓	✓	
Power Source Control	✓	✓	✓	
Rain Sensor		✓		
Wiper		✓	✓	
Clearance Sonar	✓	✓	✓	
Pre-Collision(pre-crash)	✓	✓	✓	
Mirror-Left		✓	✓	
Mirror/Mirror-Right		✓	✓	
Night View	✓			
Transmission Control	✓			

GATEWAY SYSTEMS

CAN SYSTEMS, 2006 ~

SYSTEM	READ / CLEAR CODE	DATA STREAM	ACTIVATION	ADAPTAION
Gateway	✓	✓		
HV Gateway	✓	✓		
ECM Gateway	✓	✓		
ECB Gateway	✓	✓		
Mayday Gateway	✓	✓		
PM1 Gateway	✓	✓		1. Initialization
PM2 Gateway	✓			1. Initialization
Accessory Gateway	✓			
WIL Gateway	✓			

Non-CAN SYSTEMS, 1997 ~ 2006

SYSTEM	READ / CLEAR CODE	DATA STREAM	ACTIVATION	ADAPTAION
Gateway	✓			

IMMOBILIZER SYSTEMS

CAN SYSTEMS, 2006 ~

SYSTEM	READ / CLEAR CODE	DATA STREAM	ACTIVATION	ADAPTAION
--------	-------------------	-------------	------------	-----------

Entry & Start /Smart Key	✓	✓	✓	1. ECU Communication ID Registration 2. Smart Key Register/Erase
TDS Thief Detection System	✓	✓	✓	
Remote Engine Starter	✓	✓		1. Trouble Factor Code Clear
Starting Control	✓	✓	✓	

Non-CAN SYSTEMS, 1997 ~ 2006

SYSTEM	READ / CLEAR CODE	DATA STREAM	ACTIVATION	ADAPTAION
Smart Key	✓	✓	✓	1. Key Status 2. Key registration 3. Key Erase
Thief Detection System	✓	✓	✓	
Immobilizer	✓	✓	✓	1. Key utility 2. Reset Immobiliser(No Master Keys)

SEAT/DOOR/ROOF SYSTEM

CAN SYSTEMS, 2006 ~

SYSTEM	READ / CLEAR CODE	DATA STREAM	ACTIVATION	ADAPTAION
Driver Door	✓			
Passenger Door	✓			
Rear Left Door	✓	✓	✓	
Rear Right Door	✓	✓	✓	
Back Door	✓			
Driver Door Motor	✓	✓	✓	
Passenger Door Motor	✓	✓	✓	
Rear Left Door Motor	✓	✓	✓	
Rear Right Door Motor	✓	✓	✓	
Driver Seat	✓(Note 1)	✓	✓	
Passenger Seat	✓(Note 1)	✓		
Rear Left Seat	✓	✓		
Rear Right Seat	✓	✓		
Slide Roof	✓	✓		
Back Door P/W	✓	✓	✓	

Note 1: 07' ~ 09' LS460 does support

Non-CAN SYSTEMS, 1997 ~ 2006

SYSTEM	READ / CLEAR CODE	DATA STREAM	ACTIVATION	ADAPTAION
Occupant Detect	✓	✓		1. Zero Calibration 2. Sensitivity Check
Driver Door	✓	✓	✓	
Passenger Door	✓	✓	✓	
Rear Left Door	✓	✓	✓	
Rear Right Door	✓	✓	✓	
Back Door	✓	✓	✓	
Driver Seat		✓	✓	
Passenger Seat		✓	✓	
Rear Left Seat		✓	✓	
Rear Right Seat		✓	✓	
Retractable Hardtop	✓	✓	✓	
Slide Roof		✓	✓	

SWITCH SYSTEMS

CAN SYSTEMS, 2006 ~

SYSTEM	READ / CLEAR CODE	DATA STREAM	ACTIVATION	ADAPTAION
Master Switch	✓	✓		
Combination Switch		✓		
Driver Seat Switch	✓	✓	✓	
Steering Pad Switch		✓		
Center Console Switch		✓	✓	
Rear Console Switch	✓	✓	✓	

Non-CAN SYSTEMS, 1997 ~ 2006

SYSTEM	READ / CLEAR CODE	DATA STREAM	ACTIVATION	ADAPTAION
Master Switch		✓	✓	
Combination Switch		✓		
Driver Seat Switch		✓		
Rear Seat Switch		✓		
Steering Pad Switch		✓		

SPECIAL LOCAL VEHICLES

AVANZA, ~ 2005 / 05

SYSTEM	READ / CLEAR CODE	DATA STREAM	ACTIVATION	ADAPTAION
Engine	✓	✓		

ECT	✓	✓		
ABS	✓	✓		
Immobiliser	✓			
AVANZA/RUSH, 2005 / 05 ~				
SYSTEM	READ / CLEAR CODE	DATA STREAM	ACTIVATION	ADAPTAION
Engine	✓	✓	✓	initialization meter vehicle information
ECT	✓	✓		1.reset memory
ABS	✓	✓		1.2nd system bleeding 2.3rd system bleeding
SRS Airbag	✓			
Immobiliser	✓			
EMPS	✓	✓		1.test mode
TPMS	✓	✓		1.ID registration
BODY	✓	✓		1.initializing body ecu
METER	✓	✓		1.initializing meter usage 2.set seatbelt reminder
STEERING SENSOR				1.steering angle sensor learning value reset
SRS	✓			1.test mode
Combination Switch		✓		
Immobilizer	✓	✓		1.INITIALIZATION OF IMMOBILIZER 2.INITIAL KEY REGISTRATION 3.ADDITIONAL KEY REGISTRATION

WORK SUPPORT

SYSTEM	FUNCTION DESCRIPTION
Transmission	1.SMT Learning Value Initialization 2.G Sensor Zero Point Learning 3.AT/CVT Learning Value Initialization 4.CVT Oil Pressure Learning 5.AT Unit Correction (AT Code Read / Save) 6.AT Unit Correction (Automatic AT Code Registration) 7.AT Unit Correction (Manual AT Code Registration) 8.AT Unit Correction (AT Code Initialization) 9.Clutch Oil Pressure Learning
Electronic Controlled Diesel (ECD)	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	1.Optical Axis Adjustment 2.Radar Cruise Initialization
Battery	1.ECU Initialization
Mild HV	1.Refresh Charge 2.SOC Learning
Stop & Go	1.Starter Active Count Display 2.Starter Active Count Setting 3.Starter Active Count Clear 4.CVT Oil Pressure Pump Air Bleeding
VGRS	1.Actuator Angle Center Adjustment 2.System Lock 3.System Unlock 4.Clear Predriver Malfunction Counter Value
Electric Power Steering	1.Steering Wheel Zero Point Adjustment

CUSTOMIZE

CAN SYSTEMS, 2006 ~

ITEM	FUNCTION LIST
Door Lock	1.All Unlock/Open-Close 2.Unlock Key Twice 3.Auto Lock 4.Auto Lock/ Shift 5.Auto Unlock/Shift

	<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.キー抜き忘れウイング 13.リアドア開閉ウイング
Warning	
	<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
Slide Roof	
Unit Conversion	1.Units By Region
	<ul 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 (RL), PSD SW Operation (RR) 11.PSD Buzzer (RL), PSD Buzzer (RR) 12.Wireless PSD Operation (RL), Wireless PSD Operation (RR) 13.Smart Back Door P/W Up 14.Smart Back Door P/W Down 15.Smart Back Door P/W ON Time 16.Back Door P/W UP when half-shut
PSD & PBD operation	
Non-CAN SYSTEMS, 1997 ~ 2006	
ITEM	FUNCTION LIST
	<ul style="list-style-type: none"> 1.Speed Autolock (Once) 2.All Unlock w/ D door open-close 3.IG ON Parking Unlock 4.Lock Shift Brake 5.Double Lock Set 6.Unlock /Park 7.All Unlock/Open-Close 8.Unlock Key Twice 9.Auto Lock 10.Auto Lock/ Shift 11.Lock Shift Brake 12.Mech. Key Entry Alarm Cancel 13.Lock W/Shift P-except P Brake Release 14.Auto Lock/ Shift not P 15D-Seat 2Operation Unlock
Door Lock	

					1.Key Remind Sound 2.Key Remind Volume 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 Volume 16.Fr & Rr Buzzer Frequency 17.Keep Sense Status Buzzer 18.Rear Buzzer Onset Range 19.Front Buzzer Onset Range 20.Light Reminder 21.Key Reminder Sound 22.Key Reminder Volume 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
Warning					
Slide Roof					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					1.Units By Region
Compass Calibration					1.Compass Calibration
PSD & PBD operation					1.Wireless PSD Operation (RR), Wireless PSD Operation (RL) 2.PSD Buzzer Volume (RR), PSD Buzzer Volume (RL) 3.PSD SW Operation (RR), PSD SW Operation (RL) 4.PBD Assist Open 5.PBD Assist Close 6.Wireless PBD Operation 7.PBD Buzzer Volume 8.PBD SW Operation 9.PBD One Motion
TVSS (Toyota Vehicle Security System)					1.Garage Mode 2.IG Door Lock 3.Piezo Buzzer Defeat
KEY REGISTER / ERASE					
SYSTEM			FUNCTION DESCRIPTION		
					1.Key Status 2.Key Registration 3.Clear Keys (except Master-Key)
Smart Key					
MODELS EQUIPPED WITH 23-PIN AND 17-PIN CONNECTOR					
23-PIN CONNECTOR MODELS					
1991 ~ 1997					
SYSTEM	READ CODE	CLEAR CODE	DATA STREAM	ACTIVATION	
Engine	✓	Disconnect fuse	✓		
Airbag / SRS	✓	✓			
ABS	✓	Disconnect fuse			
17-PIN CONNECTOR MODELS					
1991 ~ 1997					
SYSTEM	READ CODE	CLEAR CODE	DATA STREAM	ACTIVATION	
Engine	✓	Disconnect fuse	✓		
Airbag / SRS	✓	✓			
ABS	✓	Disconnect fuse			
Traction	✓				
Cruise Control	✓				
TROUBLE SHUTTING:					
Some models equipped not only one connector. Some systems can be found on OBD-II connector, 17-pin connector, and 23-pin connector individually.					