



TOYOTA® / LEXUS® / SCION® 1991 – 2011

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

Version: 2011.03 Date: March , 2011

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	✓	✓	✓	1. Reset ECM / Memory 2. Check Mode Setting 3. VIN
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		✓		1. SMT Learning Value Initialization

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 4. Test Mode Setting
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		✓	–	✓	
Night View			✓		

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

POWER TRAIN SYSTEM, after 2006

SYSTEM	YEAR	DATA STREAM	READ / CLEAR CODE	ACTIVATION	ADAPTATION
Engine (Petrol / Diesel) and ECT	2006 – 2009	✓	✓	✓	1. G Sensor, Zero Point Learning 2. Reset Memory 3. Check Mode 4. Electric Throttle Learning 5. Shift Control Synchronization For Diesel Engine: 1. Injector Compensation 2. Reset Memory 3. Check Mode 4. Supply Pump Initialization 5. Crank Time Compensation Reset 6. A/F Sensor Compensation Reset 7. DPF Deterioration Record Clear
ECT (Transmission)	2006 – 2009	✓	✓		
Hybrid Control	2006 – 2009	✓	✓	✓	1. Initialization 2. Reset Memory 3. Inspection Mode
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 4. Inspection Mode
Advanced Parking Guidance System	2006 – 2009		✓		
EMPS (Electric Motor Assisted Power Steering)	2006 – 2009	✓	✓		1. Torque sensor adjustment
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		✓	✓	
4WD		✓	✓	✓	
KDSS			✓		

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		✓	✓	1. ECU Information Sync
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	✓	✓	✓	
Body 4			✓	✓	
Body 5			✓	✓	
Power Source Control		✓	✓		
Tilt & Telescopic / Steering Wheel		✓	✓	✓	
Navigation System			✓		

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	✓	✓		
Accessory Gateway		✓	✓		
WIL Gateway			✓		
PM2 Gateway			✓		

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.

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