

## BarsIII Professional



### TOYOTA / LEXUS 1991-2012

February 2014

#### 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) | +           | +         | +          | +          | +<br>Reset ECM / Memory, |

|         |   |   |   |   |   |   |
|---------|---|---|---|---|---|---|
|         |   |   |   |   |   | Check Mode Setting,<br>VIN,<br>Deceleration Sensor Zero Point<br>Calibration,<br>CVT Oil Pressure Calibration           |
|         | Engine (Diesel D4D)                                   | + | + | + | + | +<br>Injector Compensation  |
|         | Transmission  | + | + | + | + |   |
|         | Transmission (Diesel D4D)                             | + | + | + |   |   |
|         | CCS (Cruise Control System)                           | + | + | + |   |   |
|         | Laser/Radar CCS                                       | + | + | + |   |   |
|         | HV CCS  | + | + | + |   |   |
|         | HV ECU (Hybrid Vehicle ECU)                           | + | + | + |   |   |
|         | HV Battery  | + | + | + |   | +<br>Onboard Equalizing Charge,<br>ECU Initialization   |
|         | Stop and Go   |   | + | + |   |   |
|         | Sequential MT (Manual<br>Transmission)                |   | + | + |   | +<br>SMT Learning Value Initialization  |
| CHASSIS | ABS/ Traction/VSC                                     | + | + | + | + | +<br>Zero Point Calibration,<br>ECB Utilities,<br>Reset Memory,<br>Test Mode Setting                                    |
|         | AHC/EMS/AIR Suspension                                | + | + | + |   | +<br>Height Offset Utility  |
|         | Tire Pressure Warning System<br>(TPWS)                | + | + | + |   |   |
|         | Tire Pressure Monitoring<br>System(TPMS)              | + | + | + |   | +<br>ID Registration (Color Code),<br>ID Registration (ID Code)   |
|         | EMPS/EHPS (Electric Motor<br>Assisted Power Steering) | + | + | + |   | +<br>Torque Sensor Zero Point<br>Adjustment (Type 1, 2)   |
|         | T/M Control   |   | + | + |   |   |
|         | VGRS (Variable Gear-Ratio<br>Steering)                |   | + | + |   | +<br>Steer Angle Adjust,<br>Counter Clear,<br>Clear Pre-driver Malfunction<br>Counter,<br>System lock,<br>System unlock |

|                      |   |   |   |   |   |   |
|----------------------|---|---|---|---|---|---|
|                      | <b>KDSS (Kinetic Dynamic Suspension System)</b> | + | + | + |   |   |
|                      | <b>Stabilizer</b>                               |   | + | + |   | +<br>Backup Memory Reset  |
| <b>AIR CONDITION</b> | <b>A/C</b>                                      | + | + | + | + | +<br>Servomotor Initialization  |
| <b>IMMOBILIZER</b>   | <b>Immobilizer (Engine ECU)</b>                 | + | + | + |   | +<br>Key Utility,<br>Immobilizer ECU Reset  |
|                      | <b>Immobilizer / Steering Lock</b>              | + | + | + | + | +<br>Key Utility,<br>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>                          | + | + | + | + | +<br>Wireless Register,<br>Automatic Door Locking and<br>Unlocking,<br>ECU Connection Information<br>Initialization |
|                      | <b>Body 2</b>                                   | + | + | + | + |   |
|                      | <b>Body 3</b>                                   |   | + | + | + |   |
|                      | <b>Body 4</b>                                   | + | + | + | + |   |
|                      | <b>Body 5</b>                                   | + |   |   | + |   |
|                      | <b>AFS (Adaptive Front-lighting System)</b>     | + | + | + | + | +<br>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>                             | + |   |   | + |   |
| <b>Mirror-Left</b>   | +   |   |   | + |   |   |
| <b>Night View</b>    |   |   | + | + |   |   |
| <b>GATEWAY</b>       | <b>Gateway</b>                                  |   | + | + |   |   |
| <b>SEAT / DOOR</b>   | <b>Occupant Detection</b>                       | + | + | + |   | +   |

|                  |                           |   |   |   |   |                                       |
|------------------|---------------------------|---|---|---|---|---------------------------------------|
| / ROOF           |                           |   |   |   |   | Zero Calibration<br>Sensitivity Check |
|                  | RTRCTBL 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<br>SYSTEM | D-SEAT Switch             | + |   |   |   |                                       |
|                  | Combination Switch        | + |   |   |   |                                       |
|                  | Master Switch             | + |   |   | + |                                       |
|                  | Steering Pad              | + |   |   |   |                                       |
|                  | Rear-Seat Switch          | + |   |   |   |                                       |

## OBD-II for Toyota/Lexus 2006-2012

Models equipped with OBD-II connector only for CAN system

| SYSTEM      | TYPE SYSTEM                | DATA<br>STREAM | READ<br>CODE | CLEAR<br>CODE | ACTIVATION | ADAPTATION   |
|-------------|----------------------------|----------------|--------------|---------------|------------|--|
| POWER TRAIN | Engine (Gasoline ) and ECT | +              | +            | +             | +          | +<br>G Sensor,<br>Zero Point Learning,<br>Reset Memory,<br>Check Mode,<br>Electric Throttle Learning,<br>Shift Control Synchronization                     |
|             | Engine (Diesel )           | +              | +            | +             | +          | +<br>Injector Compensation,<br>Reset Memory,<br>Check Mode,<br>Supply Pump Initialization,<br>Crank Time Compensation<br>Reset,<br>A/F Sensor Compensation |

|         |   |   |   |   |   |   |
|---------|---|---|---|---|---|---|
|         |   |   |   |   |   | Reset,<br>DPF Deterioration Record<br>Clear   |
|         | Transmission (ECT)                        | + | + | + |   | +<br>AT/CVT Learning Value<br>Initialization,<br>Check Mode   |
|         | Hybrid Control                            | + | + | + | + | +<br>Initialization,<br>Reset Memory,<br>Inspection Mode<br>Check Mode  |
|         | E-ACM                                     | + | + | + |   |   |
|         | Cruise Control (Engine ECU)               | + | + | + |   |   |
|         | Cruise Control (HV ECU)                   | + | + | + |   |   |
|         | Radar Cruise (HV ECU)                     | + | + | + |   |   |
|         | HV Battery                                | + | + | + |   | +<br>Check Mode,<br>Initialization  |
|         | FCHV (Fuel Cell Hybrid<br>Vehicle)        | + |   |   |   |   |
|         | FC (Fuel Cell)                            | + |   |   |   |   |
|         | Stop and Go                               |   | + | + |   | +<br>Starter Exchange,<br>Reset A/C Information,<br>Deceleration Sensor Zero<br>Point Calibration,<br>Deceleration Sensor Zero<br>Point Clear,<br>Oil Pump Air Bleeding |
| CHASSIS | ABS / Traction / VSC                      | + | + | + | + | +<br>Zero Point Calibration,<br>ECB Utilities,<br>Reset Memory,<br>Inspection Mode,<br>Air Bleeding,<br>Check Mode,<br>Test Mode  |
|         | TPMS (Tire Pressure<br>Monitoring System) | + | + | + |   | +<br>Reset Memory,<br>ID Registration (ID Code),<br>Check Mode  |
|         | AHC (Active Height Control)               | + | + | + |   |   |
|         | EMPS / EHPS (Electric Motor)              | + | + | + |   | +<br>Torque sensor adjustment   |

|               |                                  |   |   |   |   |  |
|---------------|----------------------------------|---|---|---|---|--|
|               | Assisted Power Steering)         |   |   |   |   | (Type 4,5,6,Japanese),<br>Check Mode                           |
|               | Advanced Parking Guidance System |   | + | + |   |  |
|               | EPB (Electric Parking Brake)     |   | + | + | + | +<br>Reset Memory  |
|               | Air Suspension                   | + | + | + |   |  |
|               | Lane Keeping Assist              | + | + | + |   |  |
|               | Front Stabilizer                 |   | + | + | + |  |
|               | Rear Stabilizer                  |   | + | + | + |  |
|               | 4WD                              | + | + | + | + | +<br>Check Mode,<br>Reset Memory                               |
|               | KDSS                             |   | + | + |   | +<br>Check Mode  |
| AIR CONDITION | A/C                              | + | + | + | + | +<br>Servomotor Initialization<br>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                              | + | + | + | + |  |
|               | Remote Engine Starter            | + | + | + |   | +<br>Trouble Factor Code Clear                                 |
|               | Starting Control                 | + | + | + | + |  |
| BODY          | Combination Meter                | + | + | + | + |  |
|               | SRS / Airbag                     | + | + | + |   | +<br>Check Mode  |
|               | Pre-Collision                    | + | + | + |   | +<br>Check Mode  |
|               | Pre-Collision 2                  | + | + | + |   |  |
|               | Rain Sensor                      | + | + | + |   |  |
|               | Electric Power Control           | + | + | + |   |  |
|               | Intuitive Parking Aid            | + | + | + | + |  |
|               | Main Body /Gateway               | + | + | + | + | +<br>Initialization  |
|               | AFS / Head Light Auto Leveling   |   | + | + | + | +<br>ECU Information Sync                                      |
|               | Body 4                           | + | + | + | + |  |

|                         |                                      |     |     |   |   |                            |
|-------------------------|--------------------------------------|-----|-----|---|---|----------------------------|
|                         | Body 5                               |     | +   | + | + |                            |
|                         | Power Source Control                 | +   | +   | + |   | +<br>Auto Power OFF Cancel |
|                         | Tilt and Telescopic / Steering Wheel | +   | +   | + | + |                            |
|                         | PCS WIL R                            |     | +   | + |   |                            |
|                         | PCS WIL L                            |     | +   | + |   |                            |
|                         | Navigation System                    |     | +   | + |   |                            |
| GATEWAY                 | ECB Gateway                          | +   | +   | + |   |                            |
|                         | ECM Gateway                          | +   | +   | + |   |                            |
|                         | Gateway CAN                          | +   | +   | + |   |                            |
|                         | HV Gateway                           | +   | +   | + |   |                            |
|                         | Mayday Gateway                       | +   | +   | + |   |                            |
|                         | PM1 Gateway                          | +   | +   | + |   | +<br>Initialization        |
|                         | Accessory Gateway                    |     | +   | + |   |                            |
|                         | WIL Gateway                          |     | +   | + |   |                            |
| SEAT / DOOR / ROOF      | PM2 Gateway                          |     | +   | + |   | +<br>Initialization        |
|                         | 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

|   |   |
|---|---|
| <b>Transmission</b>                       | <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> <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> </ol> |
| <b>Electronic Controlled Diesel (ECD)</b> | <ol 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> </ol>   |
| <b>Radar Cruise</b>                       | <ol style="list-style-type: none"> <li>1. Optical Axis Adjustment</li> <li>2. Radar Cruise Initialization</li> </ol>  |
| <b>Battery</b>                            | <ol style="list-style-type: none"> <li>1. ECU Initialization</li> </ol>   |
| <b>Mild HV</b>                            | <ol style="list-style-type: none"> <li>1. Refresh Charge</li> <li>2. SOC Learning</li> </ol>  |
| <b>Stop &amp; Go</b>                      | <ol 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> </ol>  |
| <b>VGRS</b>                               | <ol 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> </ol>   |
| <b>Electric Power</b>                     | <ol style="list-style-type: none"> <li>1. Steering Wheel Zero Point Adjustment</li> </ol>   |

## Steering

### CUSTOMIZE

#### Door Lock

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
14. Mech. Key Entry Alarm Cancel
15. Auto Unlock / Shift

#### Warning

1. Key Remind Volume
2. Key Remind Sound
3. Seat Belt Warning
4. Driver Side Seatbelt Warning Buzzer
5. Front Passenger Side Seatbelt Warning Buzzer
6. Light Reminder
7. Door Open Warning
8. Key Low Battery Warning
9. Fr Sensor Onset Range
10. Rr Sensor Onset Range
11. Keep Sense Buzzer
12. Fr & Rr Buzzer Freq
13. Fr & Rr Buzzer Volume
14. Speed Warning Buzzer
15. Buzzer Length
16. Door Open-Close Buzzer/P
17. Push-on Door-open Buzzer/P
18. Carry Out Key Buzzer
19. Door Op/CI Buzzer
20. Push-on Door-close Buzzer
21. Key No Fit Warn Buzzer
22. Key Battery Warn Buzzer
23. Key Inside Lock Buzzer
24. Half Lock Buzzer
25. Smart Buzzer Volume
26. Smart Buzzer Number

|                                |  |
|--------------------------------|--|
|                                | <ul style="list-style-type: none"> <li>27. Keep Sense Status Buzzer</li> <li>28. Rear Buzzer Onset Range</li> <li>29. Front Buzzer Onset Range</li> <li>30. Key Left in Vehicle Buzzer</li> <li>31. Lock Door in E/G Idling Buzzer</li> <li>32. Passenger Take Key</li> <li>33. Key Taken Warning (w/o P range)</li> <li>34. Key Taken Warning (w/P range)</li> <li>35. Number of Warning Buzzer Sound</li> <li>36. Key Out Range Warning</li> </ul>   |
| <b>Slide Roof</b>              | <ul 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> </ul>   |
| <b>Unit Conversion</b>         | <ul style="list-style-type: none"> <li>1. Units By Region</li> </ul>   |
| <b>Compass Calibration</b>     | <ul style="list-style-type: none"> <li>1. Compass Calibration</li> </ul>   |
| <b>PSD &amp; PBD operation</b> | <ul style="list-style-type: none"> <li>1. Wireless PSD Operation (RR)</li> <li>2. PSD Buzzer Volume (RR)</li> <li>3. PSD SW Operation (RR)</li> <li>4. Wireless PSD Operation (RL)</li> <li>5. PSD Buzzer Volume (RL)</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> <li>13. PBD Power Operation</li> <li>14. Wireless PBD Operation</li> <li>15. PBD SW Operation</li> <li>16. PBD Buzzer</li> <li>17. PBD Close SW Waiting Time</li> <li>18. PBD Close SW Press Condition</li> <li>19. Door Unlock with 1 Motion</li> <li>20. One Motion</li> <li>21. One Motion with Unlock Door</li> <li>22. Smart Back Door P/W Up</li> <li>23. Smart Back Door P/W Down</li> <li>24. Smart Back Door P/W ON Time</li> </ul> |

|  |   |
|--|---|
|  | <b>25. Back Door P/W UP when half-shut</b>  |
| <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> |

## **KEY REGISTER / ERASE**

|                  |   |
|------------------|---|
| <b>Smart Key</b> | <ol style="list-style-type: none"><li>1. Key Status</li><li>2. Key Registration</li><li>3. Clear Keys (expert Master-Key)</li></ol> |
|------------------|---|