

# DTC on Toyota / Lexus

## Toyota/Lexus uses these Electronic Systems:

- Engine (Gas and Diesel)
- Hybrid Vehicle ECU
- ECT (Electronic controlled Transmission)
- Sequential MT
- Toyota Free Tronic
- ABS (Anti-Lock Braking System)
- Traction Control
- Air Suspension
- EMS
- EHPS
- AHC
- EMPS
- VGRS
- CCS
- Air Conditioning
- SRS
- Body
- Body Number 2
- Body Number 3
- Body Number 4
- Body Number 5
- Gateway
- TDS
- Clearance Sonar
- Rain Sensor
- Steering Pad
- Security
- Mirror
- Door
- Seat
- Slide Roof
- Tilt and Telescopic
- Meter
- Combination Switch
- Tire Pressure Warning System
- Rtrctbl Hardtop
- Wiper
- Stop and Go
- Manual emergency calling (Sw. "Services")
- Lexus Link System (USA only)
- RSCA off Sw
- etc.

All cars and light trucks built for sale in the United States after 1996 are required to be OBD-II compliant. The European Union adopted (directive 98/69/EC) a similar law in 2001 for gasoline-powered vehicles, and in 2003 for cars with diesel engines.

**SAE J2012** (Diagnostic Trouble Codes<sup>1</sup>) defines a set of diagnostic trouble codes (DTCs) where industry uniformity has been achieved. DTCs consist of an alpha character followed by four characters.

**Pxxxx** is reserved for powertrain DTCs

**Bxxxx** is reserved for body DTCs

**Cxxxx** is reserved for chassis DTCs

**Uxxxx** is reserved for network DTCs (UART the body electronics like door and roof control, air conditioning, and lightning, as well as for the entertainment control).

The second character designates whether the DTCs and a generic SAE DTC or a manufacturer-specific DTC.

Powertrain codes	Body codes
P0xxx - Generic	B0xxx - Generic
P1xxx - Manufacturer-specific	B1xxx - Manufacturer-specific
P2xxx - Generic	B2xxx - Manufacturer-specific
P30xx-P33xx - Manufacturer-specific	B3xxx - Generic
P34xx-P39xx - Generic	
Chassis codes	Network Communication codes
C0xxx - Generic	U0xxx - Generic
C1xxx - Manufacturer-specific	U1xxx - Manufacturer-specific
C2xxx - Manufacturer-specific	U2xxx - Manufacturer-specific
C3xxx - Generic	U3xxx - Generic

The remaining characters designate the system associated with the fault. The characters are hex and can range from 0 - F.

The third digit defines the specific system or sub-system within the car where the problem is located:

Third digit / System or sub-system

<sup>1</sup> **Note: Not all trouble codes are used on all models**