

4RUNNER 2.7L – PREVIA 2.4L – T100 PICKUP 2.7L – TACOMA 2.4/2.7L (1994 – 2009)

Model	Year	Engine identification	System
4Runner 2.7L	1995-00	3RZ-FE	SFI
Previa 2.4L	1995-97	2TZ-FZE	SFI
T100 Pickup 2.7L	1994-98	3RZ-FE	SFI
Tacoma 2.4L	1995-04	2RZ-FE	SFI
Tacoma 2.7L	1995-09	3RZ-FE/2TR-FE	SFI

General information

- Engine control module (ECM) incorporates self-diagnosis function.
- Malfunction indicator lamp (MIL) will illuminate if certain faults are recorded.
- ECM operates in backup mode if sensors fail, to enable vehicle to be driven to workshop.

Accessing

- Trouble codes can be displayed by using a Scan Tool connected to the data link connector (DLC):

o Previa- 1

o Except Previa – 2

Erasing

- After the faults have been rectified, trouble codes can be erased by using a Scan Tool connected to the data link connector (DLC) or as follows:
 - Ensure ignition switched OFF.
 - Disconnect battery ground cable for 60 seconds minimum.
 - Reconnect battery ground cable.

- Repeat checking procedure to ensure no data remains in ECM fault memory.

NOTE: Disconnecting battery ground lead will erase trouble codes but may also erase memory from electronic units such as radio.

Trouble code identification

OBD-11 code	Fault location	Probable cause
PO,P2,UO	Refer to OBD-11 trouble code tables	–
P1130	Heated oxygen sensor (H02S)- LH front-range/performance malfunction	Wiring, H02S, air induction system, fuel pressure, injector(s), ECM
P1133	Heated oxygen sensor (H02S) – LH front-response malfunction	H02S, air induction system, fuel pressure, injector(s), ECM
P1135	Heated oxygen sensor (H02S) – LH front – heater circuit malfunction	Wiring, H02S, ECM
P1300	Ignition control 1 – circuit malfunction	Wiring, ignition module, ECM
P1300	Ignition control – cylinder No.1 – circuit malfunction- Tacoma (2000-+)	Wiring, ignition coil/module, ECM
P1305	Ignition control – cylinder No.2 – circuit malfunction	Wiring, ignition coil/module, ECM
P1310	Ignition control 2 – circuit malfunction	Wiring, ignition module, ECM
P1310	Ignition control – cylinder No.3 – circuit malfunction- Tacoma (2000-+)	Wiring, ignition coil/module, ECM
P1315	Ignition control – cylinder No.4 – circuit malfunction	Wiring, ignition coil/module, ECM

P1335	Crankshaft position (CKP) sensor – no signal	Wiring, CKP sensor, ECM
P1500 0	Voltage transformer – circuit malfunction	Wiring, voltage transformer, ECM
P1500 fJ	Starter signal – circuit malfunction	Wiring, ignition switch, engine control relay, ECM
P1510	Supercharger (SC) pressure control – circuit malfunction	Wiring, SC magnetic clutch/relay, SC bypass valve, intake system, ECM
P1520	Stop lamp switch – signal malfunction	Wiring, stop lamp switch, ECM
P1600	Engine control module (ECM) -supply voltage	Wiring, ECM
P1605	Knock control – malfunction	ECM
P1613	Secondary air injection (AIR) system	Wiring open/short circuit, AIR solenoid, ECM
P1780	Park/neutral position (PNP) switch – circuit malfunction	Wiring, PNP switch, ECM
P1782	Transfer box low ratio switch – circuit malfunction	Wiring, transfer box low ratio switch, ECM
P1783	Transfer box neutral switch – circuit malfunction	Wiring, transfer box neutral switch, ECM