

**1995-96 AUTOMATIC TRANSMISSIONS
Chrysler - 41TE/AE Electronic Controls**

AUTOTRONICA Y ELECTRONICA PORTUGAL

**Fig. 11: Diagnostic Trouble Code Trouble Shooting Table
Courtesy of CHRYSLER CORP.
1996 Dodge Caravan**

DTC	Description	Possible Cause
11	Watchdog Circuit Test	TCM
12	Battery Disconnected	Battery Disconnected
13	Watchdog Circuit Shutdown	TCM
14	Relay Always On	Relay failure, short to battery in T15 circuit, short to battery in T16 circuit, TCM.
15	Trans Control Relay Circuit	Relay failure, short to ground in T15 circuit, TCM.
16	TCM ROM Check Failure	TCM
17	TCM RAM Check Failure	TCM
18	Engine Speed Sensor Circuit	Open/short in distributor pick-up signal, wrong TCM part No., TCM.
19	BUS Communication With Powertrain Control Module	Open serial BUS (+) or (-) circuits between TCM and PCM, TCM or BCM CCD BUS circuit problem.
20	Switch Battery	Transmission control relay, intermittent short to battery on T16 circuit, TCM.
21	OD Pressure Switch Circuit	Low or high fluid level, short/open in L/R, 2/4, OD pressure switch circuit. Solenoid pack, internal transaxle problem, TCM.
22	2/4 Pressure Switch Circuit	See DTC 21
23	2/4-OD Pressure Switch Circuit	See DTC 21
24	L/R Pressure Switch Circuit	See DTC 21
25	L/R-OD Pressure Switch Circuit	See DTC 21
26	L/R-2/4 Pressure Switch Circuit	See DTC 21
27	All Pressure Switch Circuits	See DTC 21
28	Check Shifter Signal	PNP switch, transmission range switch, TCM. Open or short in any applicable circuit between TCM and switches.
29	Throttle Position (TP) Sensor	TPS, PCM, TCM. Open in any TP sensor circuit.
31	OD Hydraulic Pressure Switch	Low or high fluid level, solenoid pack, TCM.
32	2/4 Hydraulic Pressure Switch	See DTC 31
33	OD-2/4 Hydraulic Pressure Switch	See DTC 31
35	Loss Of Pump Prime	Low fluid level, oil filter damage, cooler line fittings, missing filter "O" ring.
36	Fault Immediately After Shift	TCM
37	Solenoid Switch Valve In LU Position	Internal transmission problem.
38	Torque Converter Clutch Control	Low or high fluid level, internal transmission problem.
41	LR Solenoid Circuit	Open/shorted LR, 2/4, UD, OD solenoid driver circuit, open power ground circuit, solenoid pack, TCM.
42	2/4 Solenoid Circuit	See DTC 41
43	OD Solenoid Circuit	See DTC 41
44	UD Solenoid Circuit	See DTC 41
45	TCM (EEPROM Failure)	TCM
46	3/4 Shift Abort	Internal transmission failure (UD hydraulic circuit failure).
47	Solenoid Switch Valve In LR Position	Internal transmission failure.
50	Speed Error: Gear Ratio In Reverse	Open/shorted output speed sensor circuit, defective output sensor, output sensor connector, open/shorted turbine speed sensor circuit, defective turbine sensor, turbine sensor connector, TCM, Internal transmission problem.
51	Speed Error: Gear Ratio In 1st	Open/shorted output speed sensor circuit, defective output sensor, output sensor connector, open/shorted turbine speed sensor circuit, defective turbine sensor, turbine sensor connector, TCM, Internal transmission problem.
52	Speed Error: Gear Ratio In 2nd	Internal transmission problem.
53	Speed Error: Gear Ratio In 3rd	Internal transmission problem.
54	Speed Error: Gear Ratio In 4th	Internal transmission problem.
56	Speed Error: Turbine Speed Sensor	Turbine sensor connector, TCM
57	Speed Error: Output Speed Sensor	Defective output sensor, output sensor connector, TCM
58	Speed Error: Sensor's Ground	Output ground circuit, TCM
60	Inadequate LR Element Volume	Internal transmission problem.
61	Inadequate 2/4 Element Volume	Internal transmission problem.
62	Inadequate OD Element Volume	Internal transmission problem.
70	Autostick Input Circuit	Poor connection, autostick switch failure, TCM.
71	Manual Shift Overheat	See TEST 52A

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