

UNDERDOG RACING DEVELOPMENT

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URD Performance Calibration Unit MAF/Timing Calibrator w/ESC

1999 Toyota 4Runner FEDERAL EMISSIONS 3.4L V6

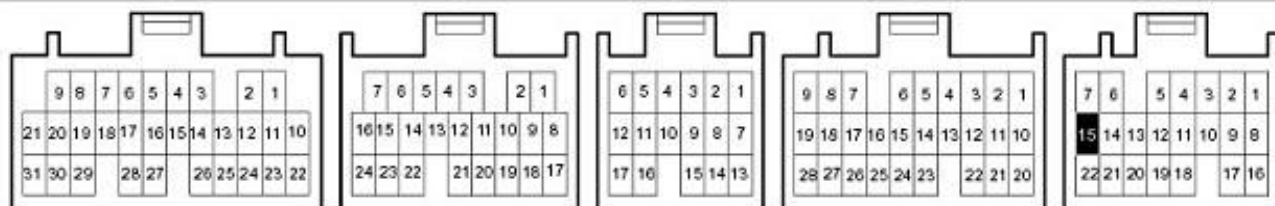
Plug A

Plug B

Plug C

Plug D

Plug E



This is a diagram of the ECU locations viewed from the area of the passenger seat.
Plug C may or may not be an actual plug and may appear as an open space on the ECU.

Connection	PCU wire color(s)	Function	ECU wire color	ECU Location
Connection A	Red	IGSW	Black w/blue stripe	Plug E Pin 2
Locate the ECU wire and tap the PCU wire into it.				
Connection B	Black	E2	Blue w/Black stripe	Plug B Pin 18
Locate the ECU wire and tap the PCU wire into it.				
Connection C	Yellow w/black stripe	IGF (RPM)	Black w/Yellow stripe	Plug A Pin 25
Locate the ECU wire and tap the PCU wire into it.				
Connection D&E	Green w/Yellow stripe & Violet	MAF	Red w/white stripe	Plug B Pin 10
1. Locate the ECU wire and cut it at a suitable location. 2. Connect the Green w/Yellow stripe PCU wire to the end of the ECU wire going to the sensor. 3. Connect the Violet PCU wire to the end of the ECU wire going to the ECU.				
Connection E&F	Green & Green w/red stripe	NE+ (Crank)	Red	Plug B Pin 16
1. Locate the ECU wire and cut it at a suitable location. 2. Connect the Green PCU wire to the end of the ECU wire going to the sensor. 3. Connect the Green w/red stripe PCU wire to the end of the ECU wire going to the ECU.				
Connection G&H	Blue & blue w/white stripe	G2 (Cam)	Red	Plug A Pin 10
1. Locate the ECU wire and cut it at a suitable location. 2. Connect Blue PCU wire to the end of the ECU wire going to the sensor. 3. Connect the Blue w/white stripe PCU wire to the end of the ECU wire going to the ECU.				
Connection I&J	White & white w/green stripe	OX1	White	Plug B Pin 12
1. Locate the ECU wire and cut it at a suitable location. 2. Connect White PCU wire to the end of the ECU wire going to the sensor. 3. Connect the White w/green stripe PCU wire to the end of the ECU wire going to the ECU.				
The Pink and Pink w/blue stripe FTC wires are not used in this application. Tape them off.				

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