

4E-FTE EP91 ECU pinout / part no. 89661-10200 / code. 211000-4290

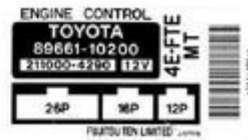
26 PIN PLUG												
13	12	11	10	9	8	7	6	5	4	3	2	1
26	25	24	23	22	21	20	19	18	17	16	15	14

16 PIN PLUG							
8	7	6	5	4	3	2	1
16	15	14	13	12	11	10	9

12 PIN PLUG					
6	5	4	3	2	1
12	11	10	9	8	7

26 pin plug

1	IPV	Vacuum Switching Valve
2	STA	Engine Cranking Signal (Starter Switch)
3	IGF	Ignition Feedback from the Ignitor-Coil
4	NE	Part of the IIA (Intergrated Ignition Assembly) (RPM)
5	G1	Distributor
6	L	ECT "L" Selection Signal, Shift Position Switch
7	2	ECT "2" Selection Signal, Shift Position Switch
8	SL	ECT Solenoid
9	S2	ECT Solenoid
10	DISC	Aux. Control Valve or Idle-Up System Vacuum Switching Valve
11	VSV1	Air Control Vacuum Switching Valve
12	#10	Injector Pulse 1 & 3
13	E02	Computer Ground
14	~	~
15	NSW	Neutral Starter Switch
16	SP2	No. 2 Vehicle Speed Sensor ECT in Auto-Transmission
17	G-	Distributor Crank Angle
18	G2	Distributor
19	DG	Check Connector
20	BC	Boost Control
21	S1	ECT Solenoid
22	IGT	Ignition Timing
23	OD2	Cruise Control Computer
24	E1	Computer Ground
25	#20	Injector Pulse 2 & 4
26	E01	Computer Ground



16 pin plug

1	STP	Stop Light Switch
2	PIM	Pressure Intake Manifold
3	THA	Intake Air Temperature
4	THW	Water Temperature Signal
5	P	Shift Position Switch (Parking)
6	OX	Oxygen Sensor (Lambda Sensor)
7	TE2	Check Connector
8	VF	Check Connector Outputs
9	E2	Sensor Ground
10	VTA/PSW	Throttle Position Sensor
11	VCC	Throttle Position Sensor (pin 1)
12	IDL	Throttle Position Sensor (Signals ECU throttle position is at idle)
13	M	Shift Position Switch
14	KNK	Knock Sensor
15	TE1	Check Connector
16	~	~

12 pin plug

1	+B1	Switched Battery Power (12V)
2	BATT	Switched Battery Power (+12V) (EFI Main Relay)
3	CCO	Check Connector Outputs
4	FC	Circuit Opening Relay (Fuel Cut)
5	AC2	12V To Aircon Computer
6	ACT	A/C Cut Control System
7	+B	Switched Battery Power (12V)
8	W	Warning Light
9	EGW	Catalytic Converter Temperature Warning Light (Combination Meter)
10	AC1	A/C Switch Signal System (12V to Aircon Computer)
11	SPD	Speed Signal
12	ELS	Electrical Load Signal System Taillight Relay

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26	25	24	23	22	21	20	19	18	17	16	15	14	16	15	14	13	12	11	10	9	12	11	10	9	8	7

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12 pin plug

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EMU Wire colour	Emu Wire Identification	Standard ECU Connector	Standard ECU Pin No.	How to connect	Where to connect
Grey	Throttle Signal	16 Pin Plug	10	Tap	-
White	Airflow Input	16 Pin Plug	2	Cut	To Loom
Green	Airflow Output	16 Pin Plug	2	Cut	To ECU
Brown	RPM Signal (I)	26 Pin Plug	3	Tap	-
Black	ECU Ground	26 Pin Plug	24	Tap	-
Red	12v IG Power	12 Pin Plug	7	Tap	-
Light Blue	Idle Control Valve (Pulse Input)	26 Pin Plug	10	Tap	-
Blue/Red	Inj Channel 1 in	26 Pin Plug	12	Cut	To ECU
Orange/Red	Inj Channel 2 in	26 Pin Plug	25	Cut	To ECU
Black/Red	Inj Ground	26 Pin Plug	13	Tap	-
Blue/Grey	Inj Channel 1 out	26 Pin Plug	12	Cut	To Loom
Orange Grey	Inj Channel 2 out	26 Pin Plug	25	Cut	To Loom
Blue/White	Ignition Channel 1 In	26 Pin Plug	22	Cut	To ECU
Blue/Black	Ignition Channel 1 Out	26 Pin Plug	22	Cut	To Loom
Yellow / Grey	Analogue Output	26 Pin Plug	20*	Cut	To ECU
Light Blue / Brown	Analogue Input	26 Pin Plug	20*	Cut	To Loom
Light Blue / Yellow	Vehicle Speed signal Output	12 Pin Plug	11	Cut	To ECU
Brown / Yellow	Vehicle Speed Signal Input	12 Pin Plug	11	Cut	To Loom
Grey/White	Crank Angle	26 Pin Plug	4	Tap	-
Grey/Black	Cam Angle	26 Pin Plug	5	Tap	-
Blue/Yellow	Knock 1/ Water Temp	16 Pin Plug	14 / 4 **	Tap	-
Purple/Yellow	Knock 2/ Intake Temp	16 Pin Plug	14 / 3 ***	Tap	-

*Unsure if this is connected to the standard boost control wire or the fuel-cut wire. Last time I did one I think I connected it to the standard boost control wire and there was no fuel cut.

** You have a choice between wiring the knock sensor or water temperature sensor to this.

*** You have a choice between wiring the knock sensor or Inlet Air temperature sensor to this.

