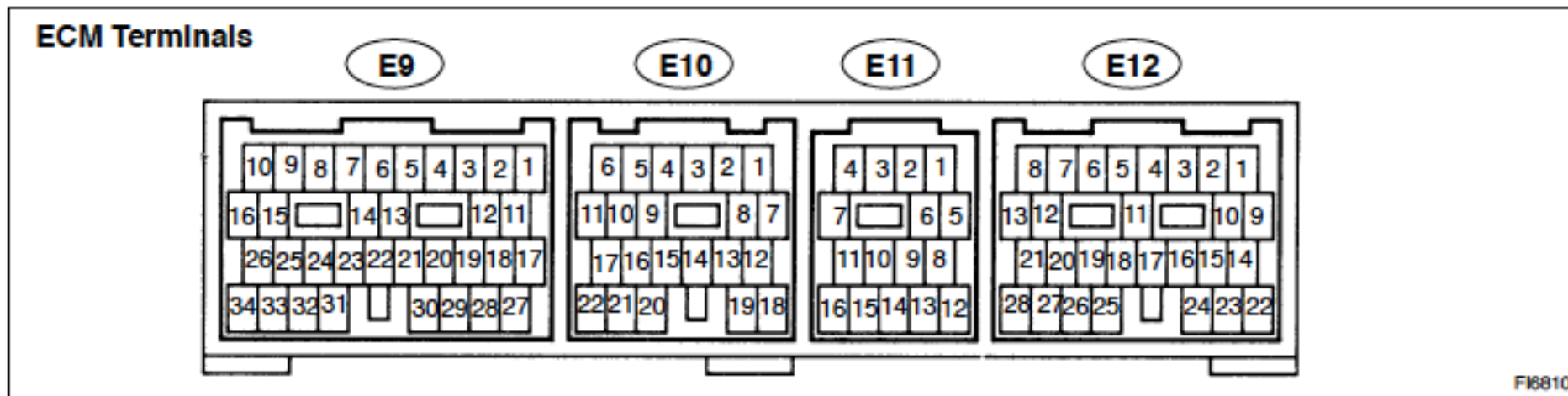


1998 4Runner 5VZ-FE 4x4 ECM terminals, manual vs. automatic
All data compiled from the 1998 factory service manual wiring guide



FI8810

Connector	Pin	Manual Function	Auto Function	Manual Wire Color	Auto Wire Color	Error	Note
E9	1	4WD	4WD	G-B	G-B		
E9	2	N/A	L4	N/A DELETE	L-R		Present on ECT diagram only. Should be OK to delete with manual ECU swap.
E9	5	#60	#60	Y	Y		
E9	6	#50	#50	L	L		
E9	7	#40	#40	R-B	R-B		
E9	8	#30	#30	G	G		
E9	10	#10	#10	R	R		
E9	11	N/A	S1	N/A DELETE	LG-R		Present on ECT diagram only. Should be OK to delete with manual ECU swap.
E9	12	IGF	IGF	B-Y	B-Y		
E9	13	STA	STA	B-W	B-W		

Connector	Pin	Manual Function	Auto Function	Manual Wire Color	Auto Wire Color	Error	Note
E9	14	NSW	NSW	B	B		
E9	15	IGT3	IGT3	B-W	B-W		
E9	16	IGT2	IGT2	BR-Y	BR-Y		
E9	17	N/A	S2	N/A DELETE	LG		Present on ECT diagram only. Should be OK to delete with manual ECU swap.
E9	22	RSC	RSC	B-R	B-R		
E9	23	RSO	RSO	BR-B	BR-B		
E9	24	IGT1	IGT1	B-L	B-L		
E9	27	N/A	SL	N/A DELETE	G-R		Present on ECT diagram only. Should be OK to delete with manual ECU swap.
E9	28	E03	E03	BR	BR		
E9	30	N/A	OIL	N/A DELETE	V-Y		Present on ECT diagram only. Should be OK to delete with manual ECU swap.
E9	31	PSW	PSW	P	P		
E9	33	E02	E02	BR	BR		
E9	34	E01	E01	BR	BR		
E10	1	VC	VC	G-B	G-B		
E10	4	N/A	SP2-	N/A DELETE	W-R		Present on ECT diagram only. Should be OK to delete with manual ECU swap.
E10	5	NE+	NE+	V	V		
E10	6	NE-	NE-	P	P		
E10	7	VTA	VTA	B-Y	B-Y		

Connector	Pin	Manual Function	Auto Function	Manual Wire Color	Auto Wire Color	Error	Note
E10	8	VG	VG	R-W	R-W		
E10	9	N/A	SP2+	N/A DELETE	Y-R		Present on ECT diagram only. Should be OK to delete with manual ECU swap.
E10	12	N/A	PWR	N/A DELETE	G-R		Present on ECT diagram only. Should be OK to delete with manual ECU swap.
E10	13	OX1	OX1	W	W		
E10	14	KNK2	KNK2	GR	GR		
E10	15	KNK1	KNK1	B	B		
E10	17	G+	G+	L	L		
E10	18	FC	FC	G-Y	G-Y		
E10	19	OX2	OX2	R	R		
E10	20	THW	THW	G	G		
E10	21	THA	THA	Y-G	Y-G		
E10	22	E2	E2	BR-B	BR-B		
E11	2	EVP	EVP	W-G	W-G		
E11	3	W	W	V	V		
E11	5	TE1	TE1	V-W	V-W		
E11	6	N/A	OIL-W	N/A DELETE	Y		Present on ECT diagram only. Should be OK to delete with manual ECU swap.
E11	7	E3	E3	B-W	B-W		
E11	8	TPC	TPC	P-B	P-B		

Connector	Pin	Manual Function	Auto Function	Manual Wire Color	Auto Wire Color	Error	Note
E11	9	N/A	TFN	N/A DELETE	R-G		Present on ECT diagram only. Should be OK to delete with manual ECU swap.
E11	10	HT2	HT2	R-W	R-W		
E11	11	HT1	HT1	P-L	P-L		
E11	13	PTNK	PTNK	Y-B	Y-B		
E11	16	E1	E1	BR	BR		
E12	1	N/A	L	N/A DELETE	LG		Present on ECT diagram only. Should be OK to delete with manual ECU swap.
E12	4	BATT	BATT	R	R		
E12	5	ACT	ACT	L-B	L-B		
E12	6	N/A	OD2	N/A DELETE	L-O		Present on ECT diagram only. Should be OK to delete with manual ECU swap.
E12	7	N/A	OD1	N/A DELETE	BR-Y		Present on ECT diagram only. Should be OK to delete with manual ECU swap.
E12	8	SIL	SIL	W	W		
E12	10	N/A	2	N/A DELETE	V-R		Present on ECT diagram only. Should be OK to delete with manual ECU swap.
E12	11	IDLO	IDLO	Y-G	Y-G		
E12	12	SP1	SP1	G-O	G-O		
E12	14	N/A	BATT	N/A DELETE	L-R		Present on ECT diagram only. Should be OK to delete with manual ECU swap.
E12	15	N/A	R	N/A DELETE	R-Y		Present on ECT diagram only. Should be OK to delete with manual ECU swap.
E12	16	AC1	AC1	L-Y	L-Y		
E12	23	+B	+B	W-L	W-L		

Connector	Pin	Manual Function	Auto Function	Manual Wire Color	Auto Wire Color	Error	Note
E12	24	BK	BK	G-W	G-W		