

ECU Pinout and Wiring Comparisons

1995.5 – 2004 Toyota Tacoma Trucks

Table of Contents

Author's Note	2
1995.5 Tacoma 3RZ	4
1995.5 Tacoma 5VZ	14
1996 Tacoma 3RZ	26
1996 Tacoma 5VZ	36
1997 Tacoma 3RZ	47
1997 Tacoma 5VZ	51
1998 Tacoma 3RZ	62
1998 Tacoma 5VZ	66
1999 Tacoma 3RZ Federal	70
1999 Tacoma 5VZ	74
2000 Tacoma 3RZ CA	78
2000 Tacoma 3RZ Federal	82
2000 Tacoma 5VZ CA	86
2000 Tacoma 5VZ Federal	90
2001 Tacoma 3RZ	94
2001 Tacoma 5VZ	98
2002 Tacoma 3RZ	102
2002 Tacoma 5VZ	106
2003 Tacoma 3RZ	110
2003 Tacoma 5VZ	114
2004 Tacoma 3RZ	118
2004 Tacoma 5VZ	122
1998 4Runner 3RZ	127
1998 4Runner 5VZ	131
Abbreviation Definitions	135
Wire Colors	140

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Author's Note: The data in this guide was assembled directly from the engine and electronic transmission control sections of the Toyota Factory Service Manual (FSM) Wiring Guides for each 4x4 and PreRunner Tacoma model sold in the US between 1995.5 – 2004. The FSM Wiring Guide is the source and the final word. This guide does not contain new data, but it offers a better organization of the existing data.

Why I did this:

I made my first guide to make my personal automatic-to-manual conversion project easier: I had read that once I finished the hardware conversion I could simply plug the manual ECU in place of the automatic ECU and everything would work – with no CELs! -- but I couldn't find any confirmation of this. I wanted to see a direct pin-by-pin comparison of the automatic and manual ECU connections to see if this was true, but none seemed to exist. Frustratingly, the FSM wiring guide seemed to organize its data for ease of drawing, not ease of use. I realized if I wanted this data side by side I'd need to produce it myself. Luckily, I'm a database developer and pushing data around is my bread and butter.

I liked the way it turned out, and it didn't take me long to see that I could readily adapt my template to the remaining early Tacoma ECUs if I was willing to enter the data. This guide is the result.

Caveats:

1. **I am not responsible for any errors.** I've tried to do my best, but ultimately it's on you. Use these tables at your own risk. The wiring colors are included, so always do at least a spot check of the wiring before making any changes. If connector E6, Pin 1 is supposed to be Black, make sure it is before you plug in a new ECU.

2. I'm doing this for free, but I am retaining my copyright to this data via a Creative Commons license. You may use it and share it but you may not sell it.

3. I AM NOT AN EXPERT, AND I AM NOT GOING TO TROUBLESHOOT YOUR ECU WIRING!

I've compiled data for you to use based on the factory wiring manuals. That's it -- you get what you pay for. If you have questions, please post them to one of the many excellent Toyota Tacoma forum's: TTORA.com, CustomTacos.com, Yotatech.com, 4x4Wire.com, Pirate4x4.com, etc.

A few notes on the content:

The 1995.5 (3RZ and 5VZE), 1996 (3RZ and 5VZE) and 1997 5VZ-FE wiring is very difficult to decipher. Toyota used different connector configurations for auto and manual transmissions for these motors, making it impossible to simply swap ECUs. Consequently, the tables for these motors are grouped by function, so you can readily see how to move wires if you do swap ECUs. For additional ease of use, I also included tables with each ECU's functions organized by ECU connector + pin. You're welcome.

The 1997 3RZ-FE and all subsequent wiring tables are based on ECUs that share the same connectors, so they feature direct pin-to-pin comparisons. Again, you're welcome.

As far as I know, all first generation Tacoma model years and motors have been included. One gray area concerns the 1999 model year and the existence of California-specific 3RZ-FE models. I could not find any 1999 CA-spec 3RZ-FE wiring diagrams, but one copy of the 1999 3RZ-FE wiring guide refers to its connector illustration as "Except California". Consequently, I've listed the 1999 3RZ-FE guide as being "Federal", but I don't have the corresponding 1999 CA-spec guide. If it turns up, I'll include it in a revision down the road.

Speaking of revisions: if you do find errors, please forward them to me via PM on the various forums – I am mosk or mosk22rte on the ones listed above. I will make corrections as necessary.

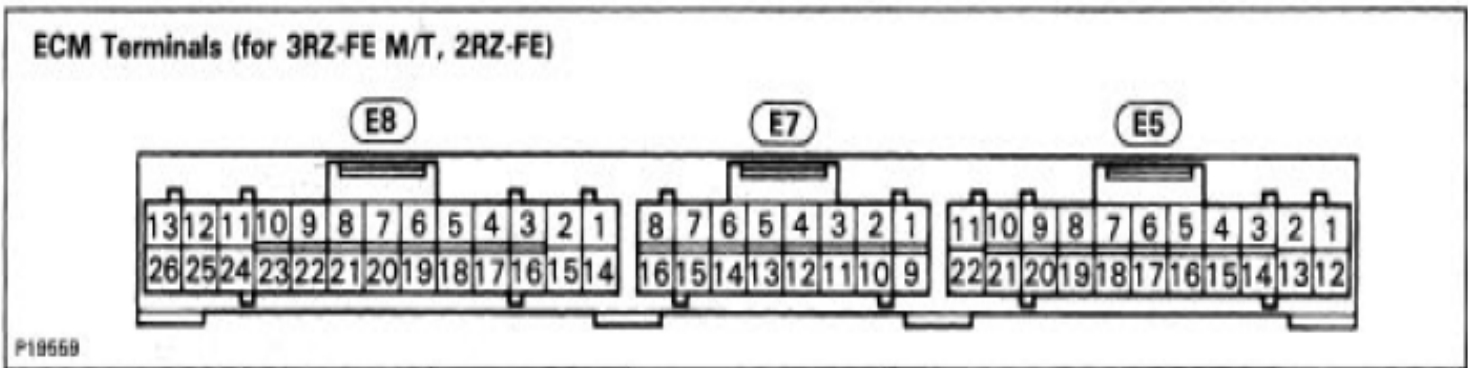
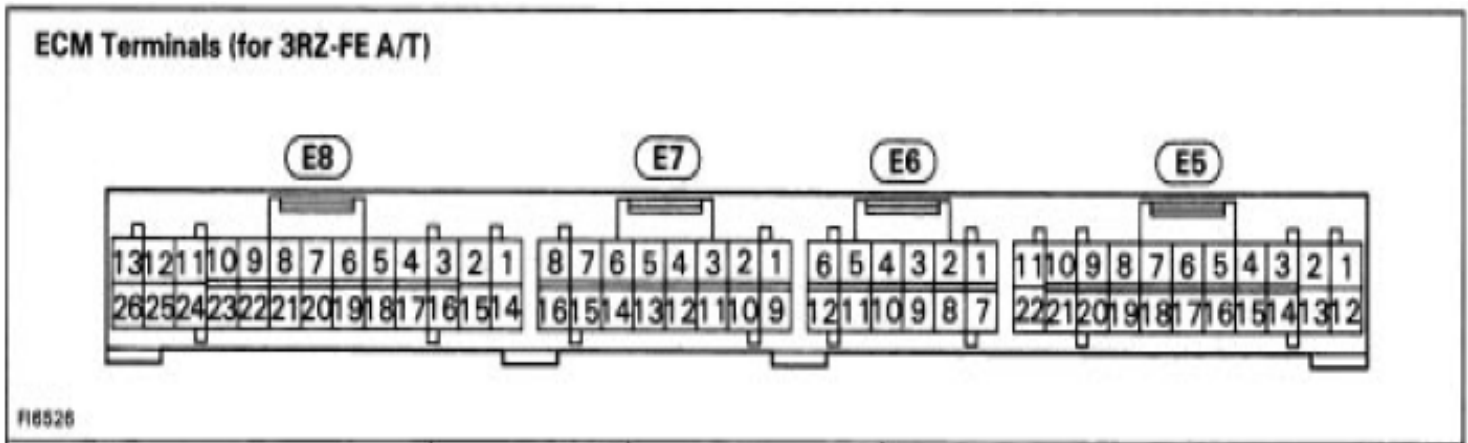
Finally, I would like to thank the TTORA > Early Tacoma forum members that contributed to this project: Yotaoffroad27, Johnnyboy, and especially EnolaGaia, who found my initial thread while slumming on TTORA instead of manning his usual post on CustomTacos.com. Their feedback, help and support were extremely helpful – thanks!

Enjoy,

Jeff Moskovitz
July 2010

1995.5 Tacoma 3RZ-FE 4x4 ECM terminals, automatic vs. manual

All data compiled from the 1995.5 factory service manual wiring guide



NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

Function	Automatic Connector	Automatic Pin	Automatic Wire Color	Manual Connector	Manual Pin	Manual Wire Color	Note
BATT	E5	2	B-Y	E5	1	B-Y	A/T: Floor shifter listed; E5-1 for column shifter
OIL-W	E5	3	V	N/A	N/A	N/A	A/T: Floor shift only
W	E5	4	V	E5	5	V	
OD2	E5	5	L-O	N/A	N/A	N/A	A/T: Floor shift listed; Column shift: E5-17 color L
ACT	E5	6	L-B	E5	8	L-B	
AC1	E5	7	L-Y	E5	10	L-Y	
SP1	E5	8	G-O	E5	9	G-O	A/T: Column shift listed; E5-8 for floor shift
SPD	E5	8	G-O	N/A	N/A	N/A	A/T: Floor shift listed; E5-9 for column shift
4WD	E5	10	G-W	E5	21	G-W	A/T: Floor shift only

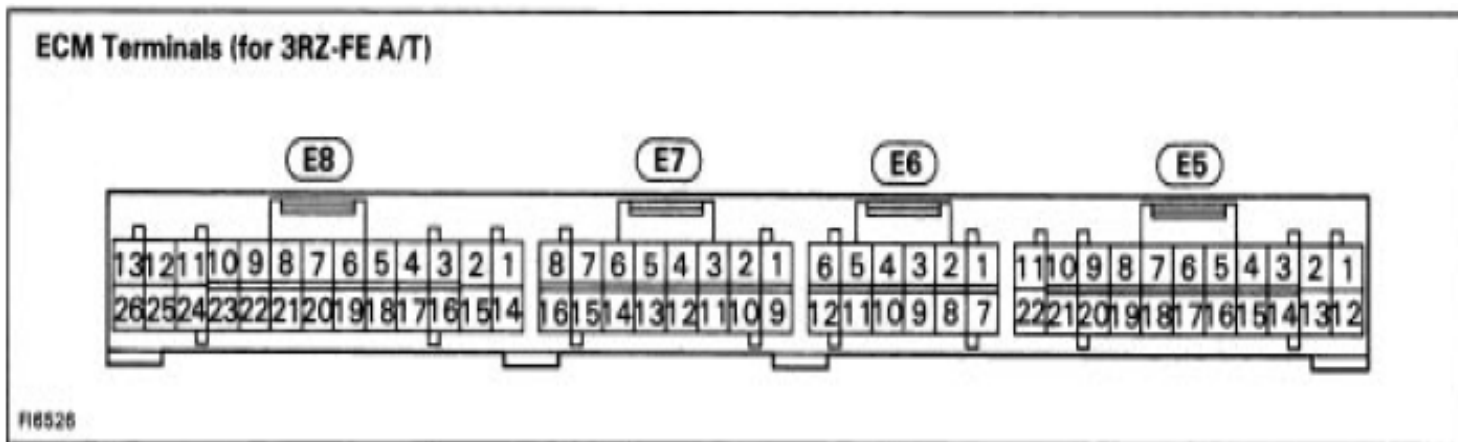
Function	Automatic Connector	Automatic Pin	Automatic Wire Color	Manual Connector	Manual Pin	Manual Wire Color	Note
STA	E5	11	B-W	E5	11	B-W	
+B	E5	12	W-R	E5	12	W-R	A/T: Same for column shift
TFN	E5	13	R-G	N/A	N/A	N/A	
PWR	E5	14	G-O	N/A	N/A	N/A	A/T: Floor shift only
L	E5	15	V-W	N/A	N/A	N/A	A/T: Floor shift only
2	E5	16	P	N/A	N/A	N/A	A/T: Floor shift only
OD1	E5	18	L	N/A	N/A	N/A	A/T: Floor shift listed; E5-6 for column shift
SDL	E5	19	W	E5	7	W	
BK	E5	21	G-W	E5	20	G-W	A/T: Floor shift listed; E5-20 for column shift
NSW	E5	22	B	E5	22	B	
PRG	E6	1	W-G	E8	23	W-G	
SP2-	E6	4	W-R	N/A	N/A	N/A	A/T: Floor shift only
G-	E6	5	L	E8	18	L	
NE-	E6	6	G	E8	17	G	
SP2+	E6	10	Y-R	N/A	N/A	N/A	A/T: Floor shift only
G	E6	11	Y	E8	5	Y	
NE	E6	12	R	E8	4	R	
VCC	E7	1	G-Y	E7	1	G-Y	A/T: Same for column shift
VG	E7	2	GR-R	E7	2	GR-R	
E3	E7	3	BR-W	E7	16	BR-W	
THW	E7	4	G-R	E7	4	G-R	A/T: Same for column shift
OX1	E7	5	W	E7	6	W	
KNK	E7	6	B	E7	13	B	
TE1	E7	7	V-W	E7	15	V-W	A/T: Floor shift listed; E7-15 for column shift

Function	Automatic Connector	Automatic Pin	Automatic Wire Color	Manual Connector	Manual Pin	Manual Wire Color	Note
E2	E7	9	BR-B	E7	9	BR-B	A/T: Same for column shift
VTA	E7	10	Y	E7	11	Y	A/T: Floor shift listed; E7-11 for column shift
IDL	E7	11	Y-L	E7	12	Y-L	A/T: Floor shift listed; E7-12 for column shift
THA	E7	12	Y-G	E7	7	Y-G	
OX2	E7	13	B	E7	5	B	
THG	E7	14	P	E7	3	P	
ACV	E8	2	B-W	E8	1	B-W	
HT1	E8	3	P-G	E8	2	P-G	
FPU	E8	4	G	E8	8	G	
RSC	E8	6	B	E8	9	B	
RSO	E8	7	B-R	E8	10	B-R	
SL	E8	8	R-G	N/A	N/A	N/A	A/T: Floor shift only
S2	E8	9	LG	N/A	N/A	N/A	A/T: Floor shift only
S1	E8	10	V-Y	N/A	N/A	N/A	A/T: Floor shift only
#20	E8	11	W	E8	11	W	
#10	E8	12	W-R	E8	12	W-R	
E01	E8	13	BR	E8	13	BR	
FC	E8	14	G-Y	E5	14	G-Y	
HT2	E8	16	R-W	E8	15	R-W	
IGF	E8	17	B-Y	E8	3	B-Y	
L4	E8	20	G	N/A	N/A	N/A	A/T: Floor shift only
OIL	E8	21	Y-R	N/A	N/A	N/A	A/T: Floor shift only
EGR	E8	22	P-B	E8	6	P-B	
IGT	E8	23	B-L	E8	20	B-L	

Function	Automatic Connector	Automatic Pin	Automatic Wire Color	Manual Connector	Manual Pin	Manual Wire Color	Note
E1	E8	24	BR	E8	14	BR	A/T: Floor shift listed; E8-14 for column shift
E03	E8	25	BR	E8	25	BR	
E02	E8	26	BR	E8	26	BR	

1995.5 Tacoma 3RZ-FE 4x4 ECM terminals, Automatic ECU

All data compiled from the 1995.5 factory service manual wiring guide

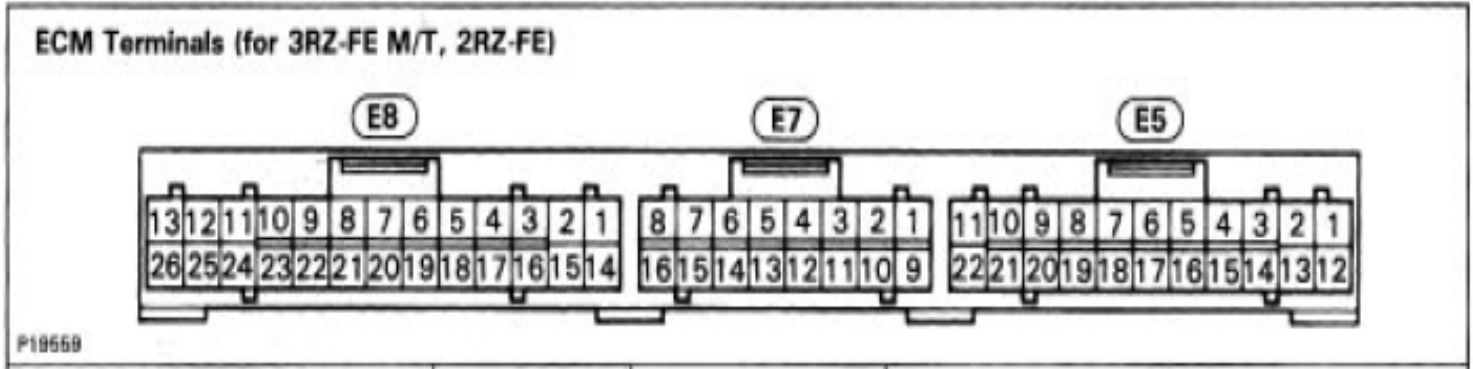


Automatic Connector	Automatic Pin	Function	Automatic Wire Color	Note
E5	2	BATT	B-Y	A/T: Floor shifter listed; E5-1 for column shifter
E5	3	OIL-W	V	A/T: Floor shift only
E5	4	W	V	
E5	5	OD2	L-O	A/T: Floor shift listed; Column shift: E5-17 color L
E5	6	ACT	L-B	
E5	7	AC1	L-Y	
E5	8	SP1	G-O	A/T: Column shift listed; E5-8 for floor shift
E5	8	SPD	G-O	A/T: Floor shift listed; E5-9 for column shift
E5	10	4WD	G-W	A/T: Floor shift only
E5	11	STA	B-W	
E5	12	+B	W-R	A/T: Same for column shift
E5	13	TFN	R-G	
E5	14	PWR	G-O	A/T: Floor shift only
E5	15	L	V-W	A/T: Floor shift only
E5	16	2	P	A/T: Floor shift only
E5	18	OD1	L	A/T: Floor shift listed; E5-6 for column shift

Automatic Connector	Automatic Pin	Function	Automatic Wire Color	Note
E5	19	SDL	W	
E5	21	BK	G-W	A/T: Floor shift listed; E5-20 for column shift
E5	22	NSW	B	
E6	1	PRG	W-G	
E6	4	SP2-	W-R	A/T: Floor shift only
E6	5	G-	L	
E6	6	NE-	G	
E6	10	SP2+	Y-R	A/T: Floor shift only
E6	11	G	Y	
E6	12	NE	R	
E7	1	VCC	G-Y	A/T: Same for column shift
E7	2	VG	GR-R	
E7	3	E3	BR-W	
E7	4	THW	G-R	A/T: Same for column shift
E7	5	OX1	W	
E7	6	KNK	B	
E7	7	TE1	V-W	A/T: Floor shift listed; E7-15 for column shift
E7	9	E2	BR-B	A/T: Same for column shift
E7	10	VTA	Y	A/T: Floor shift listed; E7-11 for column shift
E7	11	IDL	Y-L	A/T: Floor shift listed; E7-12 for column shift
E7	12	THA	Y-G	
E7	13	OX2	B	
E7	14	THG	P	
E8	2	ACV	B-W	

Automatic Connector	Automatic Pin	Function	Automatic Wire Color	Note
E8	3	HT1	P-G	
E8	4	FPU	G	
E8	6	RSC	B	
E8	7	RSO	B-R	
E8	8	SL	R-G	A/T: Floor shift only
E8	9	S2	LG	A/T: Floor shift only
E8	10	S1	V-Y	A/T: Floor shift only
E8	11	#20	W	
E8	12	#10	W-R	
E8	13	E01	BR	
E8	14	FC	G-Y	
E8	16	HT2	R-W	
E8	17	IGF	B-Y	
E8	20	L4	G	A/T: Floor shift only
E8	21	OIL	Y-R	A/T: Floor shift only
E8	22	EGR	P-B	
E8	23	IGT	B-L	
E8	24	E1	BR	A/T: Floor shift listed; E8-14 for column shift
E8	25	E03	BR	
E8	26	E02	BR	

1995.5 Tacoma 3RZ-FE 4x4 ECM terminals, Manual ECU
All data compiled from the 1995.5 factory service manual wiring guide



Manual Connector	Manual Pin	Function	Manual Wire Color	Note
E5	1	BATT	B-Y	
E5	5	W	V	
E5	7	SDL	W	
E5	8	ACT	L-B	
E5	9	SP1	G-O	
E5	10	AC1	L-Y	
E5	11	STA	B-W	
E5	12	+B	W-R	
E5	14	FC	G-Y	
E5	20	BK	G-W	
E5	21	4WD	G-W	
E5	22	NSW	B	
E7	1	VCC	G-Y	
E7	2	VG	GR-R	
E7	3	THG	P	
E7	4	THW	G-R	

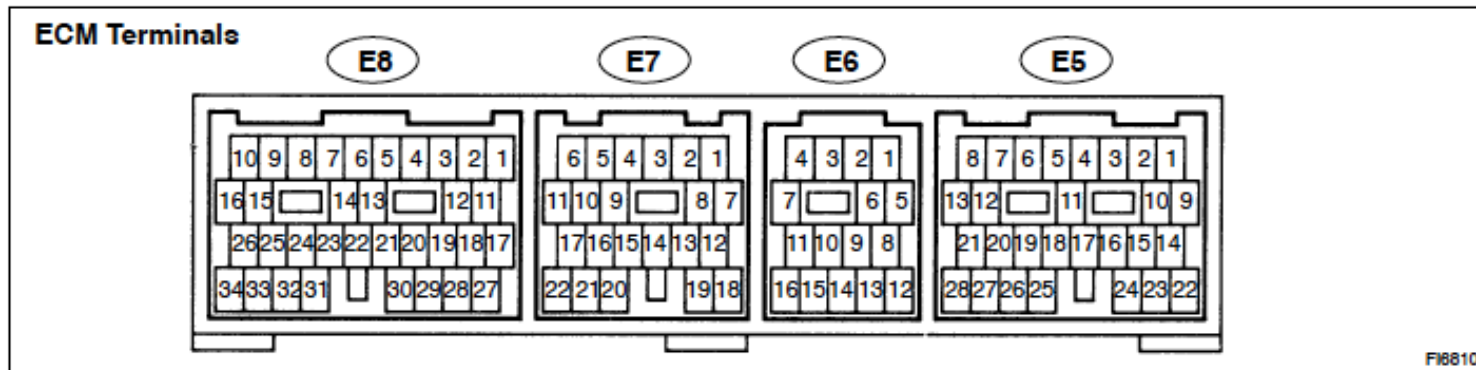
Manual Connector	Manual Pin	Function	Manual Wire Color	Note
E7	5	OX2	B	
E7	6	OX1	W	
E7	7	THA	Y-G	
E7	9	E2	BR-B	
E7	11	VTA	Y	
E7	12	IDL	Y-L	
E7	13	KNK	B	
E7	15	TE1	V-W	
E7	16	E3	BR-W	
E8	1	ACV	B-W	
E8	2	HT1	P-G	
E8	3	IGF	B-Y	
E8	4	NE	R	
E8	5	G	Y	
E8	6	EGR	P-B	
E8	8	FPU	G	
E8	9	RSC	B	
E8	10	RSO	B-R	
E8	11	#20	W	
E8	12	#10	W-R	
E8	13	E01	BR	
E8	14	E1	BR	
E8	15	HT2	R-W	
E8	17	NE-	G	

E8	18	G-	L	
E8	20	IGT	B-L	
E8	23	PRG	W-G	
E8	25	E03	BR	
E8	26	E02	BR	

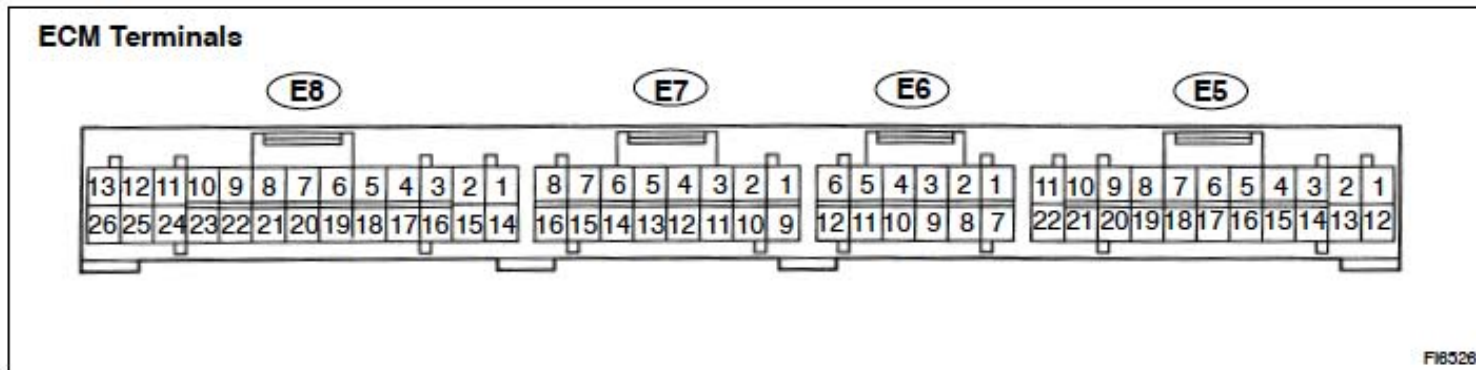
1995.5 Tacoma 5VZ-FE 4x4 ECM terminals, automatic vs. manual

All data compiled from the 1995.5 factory service manual wiring guide

For A/T



For M/T



NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

Function	Automatic Connector	Automatic Pin	Automatic Wire Color	Manual Connector	Manual Pin	Manual Wire Color	Note
2	E5	2	P	N/A	N/A	N/A	
L	E5	3	V-W	N/A	N/A	N/A	
OIL-W	E5	4	V	N/A	N/A	N/A	
ACT	E5	5	L-B	N/A	N/A	N/A	
OD2	E5	6	L-O	N/A	N/A	N/A	
OD1	E5	7	L	N/A	N/A	N/A	
PWR	E5	10	G-O	N/A	N/A	N/A	
SP1	E5	12	G-O	E5	8	G-O	
SPD	E5	12	G-O	N/A	N/A	N/A	

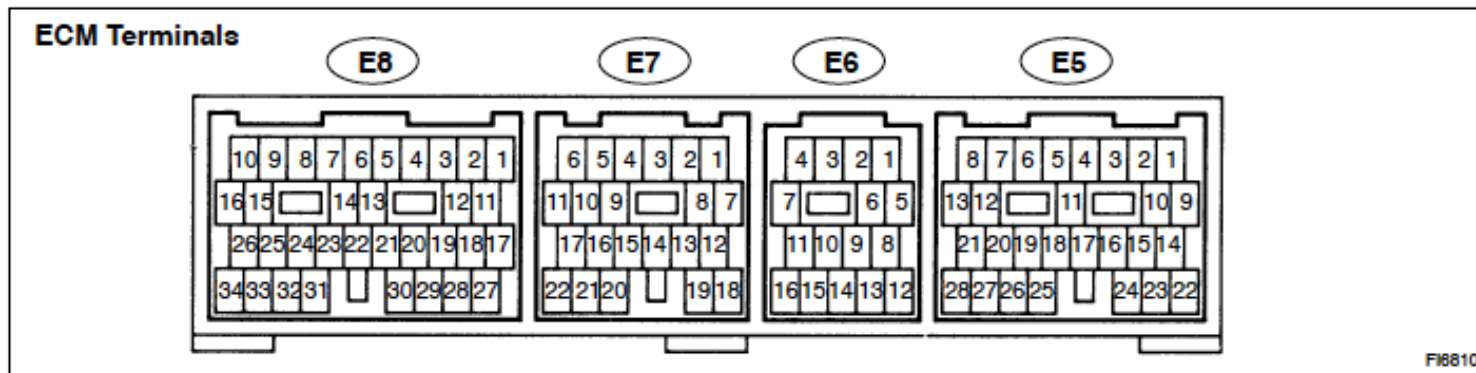
Function	Automatic Connector	Automatic Pin	Automatic Wire Color	Manual Connector	Manual Pin	Manual Wire Color	Note
BATT	E5	14	B-Y	E5	2	B-Y	
TFN	E5	17	R-G	N/A	N/A	N/A	
SDL	E5	18	W	E5	19	W	
AC1	E5	20	L-Y	E5	7	L-Y	
+B	E5	22	W-R	E5	12	W-R	
BK	E5	25	G-W	E5	20	G-W	
4WD	E5	26	G-W	E5	9	G-W	
W	E6	3	V	E5	4	V	
FC	E6	4	G-Y	E8	14	GR	
TE1	E6	5	V-W	E7	7	R	
EGR	E6	8	R-W	E8	18	R-W	
FPU	E6	9	R-B	E8	19	R-B	
ACV	E6	10	B-R	E8	2	B-R	
EVP1	E6	15	W-G	E8	5	W-G	
E1	E6	16	BR	E8	24	BR	
VCC	E7	1	G-B	E7	1	G-B	
SP2-	E7	4	W-R	N/A	N/A	N/A	
NE	E7	5	R	E6	12	R	
NE-	E7	6	G	E6	6	G	
VTA	E7	7	Y	E7	10	Y	
VG	E7	8	GR-R	E7	2	GR-R	
SP2+	E7	9	Y-R	N/A	N/A	N/A	
G	E7	10	Y	E6	11	Y	
G-	E7	11	L	E6	5	L	

Function	Automatic Connector	Automatic Pin	Automatic Wire Color	Manual Connector	Manual Pin	Manual Wire Color	Note
OIL	E7	12	Y-R	N/A	N/A	N/A	
OX1	E7	13	W	E7	5	W	
THA	E7	14	Y-G	E7	12	Y-G	
KNK2	E7	16	GR	E7	3	GR	
KNK1	E7	17	B	E7	6	B	
E3	E7	18	BR-W	E7	8	BR-W	
OX2	E7	19	B	E7	13	B	
THW	E7	20	G-R	N/A	N/A	N/A	
THG	E7	21	P-G	E7	14	P-G	
E2	E7	22	BR-Y	E7	9	BR-Y	
E03	E8	1	BR	E6	7	BR	
#60	E8	5	Y-B	E8	8	Y-B	
#50	E8	6	W-L	E8	9	W-L	
#40	E8	7	Y-R	E8	10	Y-R	
#30	E8	8	W-G	E8	25	W-G	
#20	E8	9	W	E8	11	W	
#10	E8	10	W-R	E8	12	W-R	
S1	E8	11	V-Y	N/A	N/A	N/A	
IGF	E8	12	B-Y	E8	17	B-Y	
STA	E8	13	B-W	E5	11	B-W	
NSW	E8	14	B	N/A	N/A	N/A	
HT2	E8	15	R-W	E6	9	R-G	
HT1	E8	16	P-G	E6	3	P-G	
S2	E8	17	LG	N/A	N/A	N/A	

Function	Automatic Connector	Automatic Pin	Automatic Wire Color	Manual Connector	Manual Pin	Manual Wire Color	Note
RSC	E8	22	B-R	E8	6	B-R	
RSO	E8	23	BR-B	E8	7	BR-B	
IGT1	E8	24	B-L	E8	23	B-L	
IGT2	E8	25	BR-Y	E8	22	BR-Y	
IGT3	E8	26	B-W	E8	21	B-W	
SL	E8	27	R-G	N/A	N/A	N/A	
L4	E8	29	G	N/A	N/A	N/A	
IDL	E8	32	Y-L	E7	11	Y-L	
E02	E8	33	BR	N/A	N/A	N/A	
E01	E8	34	BR	E8	13	BR	

All data compiled from the 1995.5 factory service manual wiring guide

For A/T



F18810

Automatic Connector	Automatic Pin	Function	Automatic Wire Color	Note
E5	2	2	P	
E5	3	L	V-W	
E5	4	OIL-W	V	
E5	5	ACT	L-B	
E5	6	OD2	L-O	
E5	7	OD1	L	
E5	10	PWR	G-O	
E5	12	SP1	G-O	
E5	12	SPD	G-O	
E5	14	BATT	B-Y	
E5	17	TFN	R-G	
E5	18	SDL	W	
E5	20	AC1	L-Y	
E5	22	+B	W-R	
E5	25	BK	G-W	
E5	26	4WD	G-W	

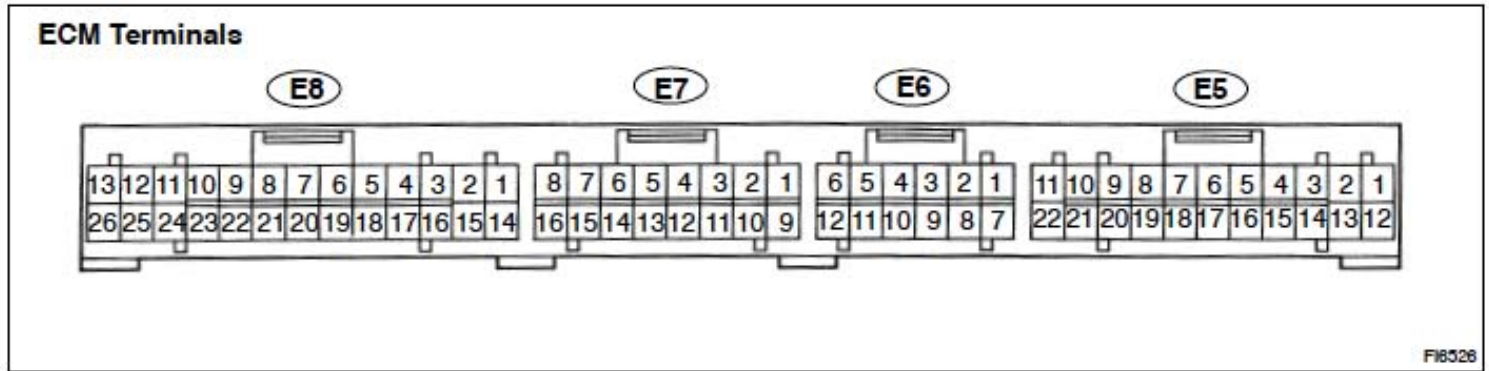
E6	3	W	V	
E6	4	FC	G-Y	
E6	5	TE1	V-W	
E6	8	EGR	R-W	
E6	9	FPU	R-B	
E6	10	ACV	B-R	
E6	15	EVP1	W-G	
E6	16	E1	BR	
E7	1	VCC	G-B	
E7	4	SP2-	W-R	
E7	5	NE	R	
E7	6	NE-	G	
E7	7	VTA	Y	
E7	8	VG	GR-R	
E7	9	SP2+	Y-R	
E7	10	G	Y	
E7	11	G-	L	
E7	12	OIL	Y-R	
E7	13	OX1	W	
E7	14	THA	Y-G	
E7	16	KNK2	GR	
E7	17	KNK1	B	
E7	18	E3	BR-W	
E7	19	OX2	B	

Automatic Connector	Automatic Pin	Function	Automatic Wire Color	Note
E7	20	THW	G-R	
E7	21	THG	P-G	
E7	22	E2	BR-Y	
E8	1	E03	BR	
E8	5	#60	Y-B	
E8	6	#50	W-L	
E8	7	#40	Y-R	
E8	8	#30	W-G	
E8	9	#20	W	
E8	10	#10	W-R	
E8	11	S1	V-Y	
E8	12	IGF	B-Y	
E8	13	STA	B-W	
E8	14	NSW	B	
E8	15	HT2	R-W	
E8	16	HT1	P-G	
E8	17	S2	LG	
E8	22	RSC	B-R	
E8	23	RSO	BR-B	
E8	24	IGT1	B-L	
E8	25	IGT2	BR-Y	
E8	26	IGT3	B-W	
E8	27	SL	R-G	
E8	29	L4	G	

Automatic Connector	Automatic Pin	Function	Automatic Wire Color	Note
E8	32	IDL	Y-L	
E8	33	E02	BR	
E8	34	E01	BR	

All data compiled from the 1995.5 factory service manual wiring guide

For M/T



F18528

Manual Connector	Manual Pin	Function	Manual Wire Color	Note
E5	2	BATT	B-Y	
E5	4	W	V	
E5	7	AC1	L-Y	
E5	8	SP1	G-O	
E5	9	4WD	G-W	
E5	11	STA	B-W	
E5	12	+B	W-R	
E5	19	SDL	W	
E5	20	BK	G-W	
E6	3	HT1	P-G	
E6	5	G-	L	
E6	6	NE-	G	
E6	7	E03	BR	
E6	9	HT2	R-G	
E6	11	G	Y	
E6	12	NE	R	

Manual Connector	Manual Pin	Function	Manual Wire Color	Note
E7	1	VCC	G-B	
E7	2	VG	GR-R	
E7	3	KNK2	GR	
E7	5	OX1	W	
E7	6	KNK1	B	
E7	7	TE1	R	
E7	8	E3	BR-W	
E7	9	E2	BR-Y	
E7	10	VTA	Y	
E7	11	IDL	Y-L	
E7	12	THA	Y-G	
E7	13	OX2	B	
E7	14	THG	P-G	
E8	2	ACV	B-R	
E8	5	EVP1	W-G	
E8	6	RSC	B-R	
E8	7	RSO	BR-B	
E8	8	#60	Y-B	
E8	9	#50	W-L	
E8	10	#40	Y-R	
E8	11	#20	W	
E8	12	#10	W-R	
E8	13	E01	BR	
E8	14	FC	GR	

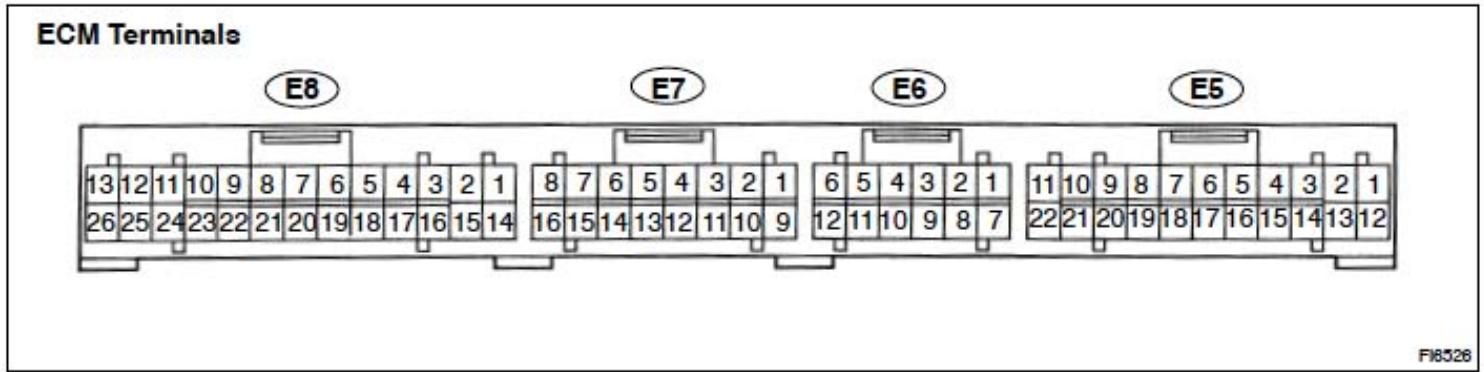
Manual Connector	Manual Pin	Function	Manual Wire Color	Note
E8	17	IGF	B-Y	
E8	18	EGR	R-W	
E8	19	FPU	R-B	
E8	21	IGT3	B-W	
E8	22	IGT2	BR-Y	
E8	23	IGT1	B-L	
E8	24	E1	BR	
E8	25	#30	W-G	
N/A	N/A	NSW	N/A	
N/A	N/A	ACT	N/A	
N/A	N/A	TFN	N/A	
N/A	N/A	L4	N/A	
N/A	N/A	E02	N/A	
N/A	N/A	OIL	N/A	
N/A	N/A	THW	N/A	
N/A	N/A	S1	N/A	
N/A	N/A	S2	N/A	
N/A	N/A	SL	N/A	
N/A	N/A	OD1	N/A	
N/A	N/A	SP2-	N/A	
N/A	N/A	SP2+	N/A	
N/A	N/A	PWR	N/A	
N/A	N/A	2	N/A	
N/A	N/A	L	N/A	

N/A	N/A	OIL-W	N/A	
N/A	N/A	SPD	N/A	
N/A	N/A	OD2	N/A	

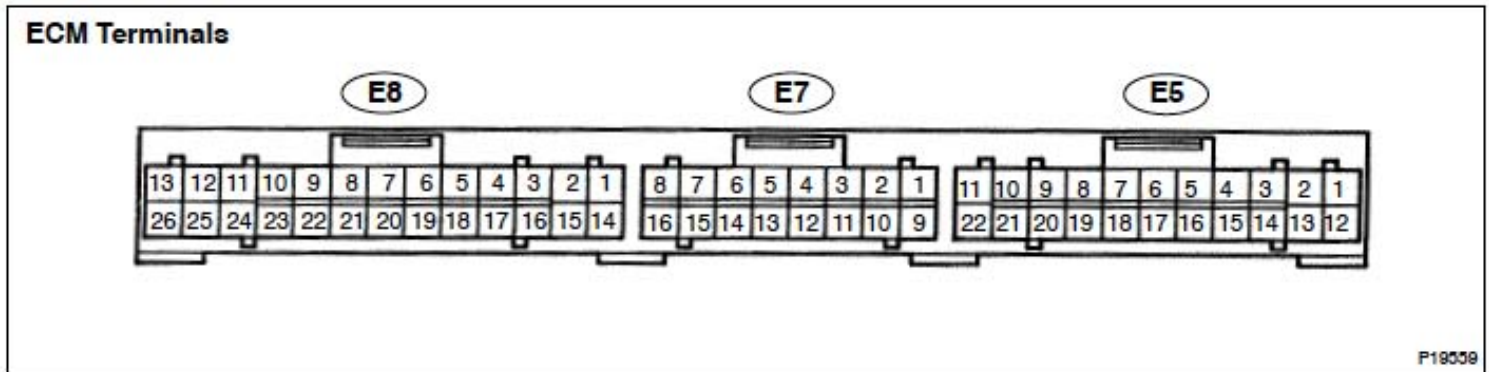
1996 Tacoma 3RZ-FE 4x4 ECM terminals, automatic vs. manual

All data compiled from the 1996 factory service manual wiring guide

For 3RZ-FE A/T



For 2RZ-FE, 3RZ-FE M/T



NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

Function	Automatic Connector	Automatic Pin	Automatic Wire Color	Manual Connector	Manual Pin	Manual Wire Color	Note
BATT	E5	2	B-Y	E5	1	B-Y	A/T COLUMN SHIFT: E5-1
OIL-W	E5	3	V	N/A	N/A	N/A	A/T FLOOR SHIFT ONLY
W	E5	4	V	E5	5	V	
OD2	E5	5	L-O	N/A	N/A	N/A	A/T COLUMN SHIFT: E5-17
ACT	E5	6	L-B	E5	8	L-B	
AC1	E5	7	L-Y	E5	10	L-Y	
SP1	E5	8	G-O	E5	9	G-O	A/T COLUMN SHIFT: E5-9
4WD	E5	10	G-W	E5	21	G-W	A/T FLOOR SHIFT ONLY
STA	E5	11	B-W	E5	11	B-W	

Function	Automatic Connector	Automatic Pin	Automatic Wire Color	Manual Connector	Manual Pin	Manual Wire Color	Note
+B	E5	12	W-R	E5	12	W-R	A/T COLUMN SHIFT: SAME AS A/T FLOOR SHIFT
TFN	E5	13	R-G	N/A	N/A	N/A	
PWR	E5	14	G-O	N/A	N/A	N/A	A/T FLOOR SHIFT ONLY
L	E5	15	V-W	N/A	N/A	N/A	A/T FLOOR SHIFT ONLY
2	E5	16	P	N/A	N/A	N/A	A/T FLOOR SHIFT ONLY
R	E5	17	R-B	N/A	N/A	N/A	A/T FLOOR SHIFT ONLY
OD1	E5	18	L	N/A	N/A	N/A	A/T COLUMN SHIFT: E5-6
SDL	E5	19	W	E5	7	W	
ELS	E5	19	G-R	N/A	N/A	N/A	A/T COLUMN SHIFT ONLY
BK	E5	21	G-W	E5	20	G-W	A/T COLUMN SHIFT: E5-20
NSW	E5	22	B	N/A	N/A	N/A	
EVP	E6	1	GR-G	E8	23	GR-G	
TPC	E6	2	W-G	E8	21	W-G	
SP2-	E6	4	W-R	N/A	N/A	N/A	A/T FLOOR SHIFT ONLY
NE-	E6	6	G	E8	17	G	
SP2+	E6	10	Y-R	N/A	N/A	N/A	A/T FLOOR SHIFT ONLY
G	E6	11	Y	E8	5	Y	
NE	E6	12	R	E8	4	R	
VG	E7	2	GR-R	E7	2	GR-R	
E3	E7	3	BR-W	E7	16	BR-W	
THW	E7	4	G-R	E7	4	G-R	A/T COLUMN SHIFT: SAME AS A/T FLOOR SHIFT
OX1	E7	5	W	E7	6	W	
KNK	E7	6	B	E7	13	B	
TE1	E7	7	V-W	E7	15	V-W	A/T COLUMN SHIFT: E7-15

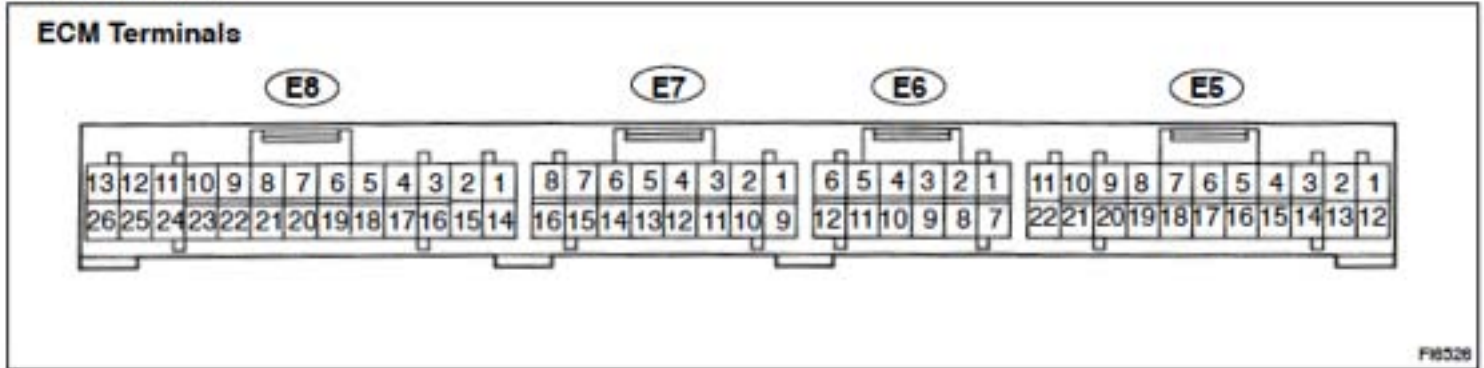
Function	Automatic Connector	Automatic Pin	Automatic Wire Color	Manual Connector	Manual Pin	Manual Wire Color	Note
E2	E7	9	BR-B	E7	9	BR-B	A/T COLUMN SHIFT: SAME AS A/T FLOOR SHIFT
VTA	E7	10	Y	E7	11	Y	A/T COLUMN SHIFT: E7-11
IDL	E7	11	Y-L	E7	12	Y-L	A/T COLUMN SHIFT: E7-12
THA	E7	12	Y-G	E7	7	Y-G	
OX2	E7	13	B	E7	5	B	
THG	E7	14	P	E7	3	P	
VCC	E8	1	G-Y	E7	1	G-Y	A/T COLUMN SHIFT: SAME AS A/T FLOOR SHIFT
HT1	E8	3	P-G	E8	2	P-G	
RSC	E8	6	B	E8	9	B	
RSO	E8	7	B-R	E8	10	B-R	
SL	E8	8	R-G	N/A	N/A	N/A	A/T FLOOR SHIFT ONLY
S2	E8	9	LG	N/A	N/A	N/A	A/T FLOOR SHIFT ONLY
S1	E8	10	V-Y	N/A	N/A	N/A	A/T FLOOR SHIFT ONLY
#20	E8	11	W	E8	11	W	
#10	E8	12	W-R	E8	12	W-R	
E01	E8	13	BR	E8	13	BR	
FC	E8	14	G-Y	E5	14	G-Y	
HT2	E8	16	R-W	E8	15	R-W	
IGF	E8	17	B-Y	E8	3	B-Y	
PTNK	E8	18	R-Y	E7	10	R-Y	
L4	E8	20	G	N/A	N/A	N/A	A/T FLOOR SHIFT ONLY
OIL	E8	21	Y-R	N/A	N/A	N/A	A/T FLOOR SHIFT ONLY
EGR	E8	22	P-B	E8	6	P-B	
IGT	E8	23	B-L	E8	20	B-L	

Function	Automatic Connector	Automatic Pin	Automatic Wire Color	Manual Connector	Manual Pin	Manual Wire Color	Note
E1	E8	24	BR	E8	14	BR	A/T COLUMN SHIFT: E8-14
E03	E8	25	BR	E8	25	BR	
E02	E8	26	BR	E8	26	BR	

1996 Tacoma 3RZ-FE 4x4 ECM terminals, Automatic ECU

All data compiled from the 1996 factory service manual wiring guide

For 3RZ-FE A/T



Automatic Connector	Automatic Pin	Function	Automatic Wire Color	Note
E5	2	BATT	B-Y	A/T COLUMN SHIFT: E5-1
E5	3	OIL-W	V	A/T FLOOR SHIFT ONLY
E5	4	W	V	
E5	5	OD2	L-O	A/T COLUMN SHIFT: E5-17
E5	6	ACT	L-B	
E5	7	AC1	L-Y	
E5	8	SP1	G-O	A/T COLUMN SHIFT: E5-9
E5	10	4WD	G-W	A/T FLOOR SHIFT ONLY
E5	11	STA	B-W	
E5	12	+B	W-R	A/T COLUMN SHIFT: SAME AS A/T FLOOR SHIFT
E5	13	TFN	R-G	
E5	14	PWR	G-O	A/T FLOOR SHIFT ONLY
E5	15	L	V-W	A/T FLOOR SHIFT ONLY
E5	16	2	P	A/T FLOOR SHIFT ONLY
E5	17	R	R-B	A/T FLOOR SHIFT ONLY
E5	18	OD1	L	A/T COLUMN SHIFT: E5-6

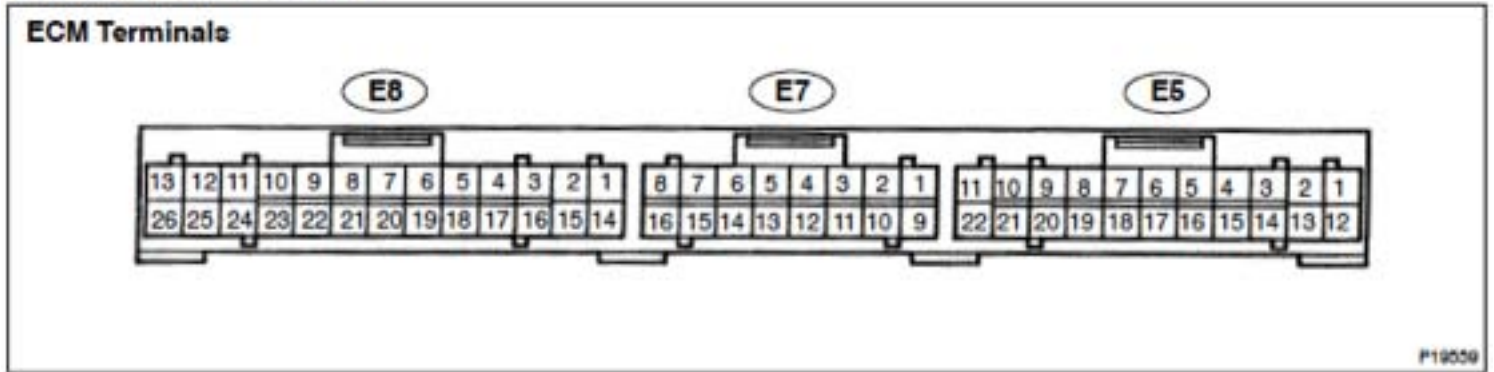
Automatic Connector	Automatic Pin	Function	Automatic Wire Color	Note
E5	19	SDL	W	
E5	19	ELS	G-R	A/T COLUMN SHIFT ONLY
E5	21	BK	G-W	A/T COLUMN SHIFT: E5-20
E5	22	NSW	B	
E6	1	EVP	GR-G	
E6	2	TPC	W-G	
E6	4	SP2-	W-R	A/T FLOOR SHIFT ONLY
E6	6	NE-	G	
E6	10	SP2+	Y-R	A/T FLOOR SHIFT ONLY
E6	11	G	Y	
E6	12	NE	R	
E7	2	VG	GR-R	
E7	3	E3	BR-W	
E7	4	THW	G-R	A/T COLUMN SHIFT: SAME AS A/T FLOOR SHIFT
E7	5	OX1	W	
E7	6	KNK	B	
E7	7	TE1	V-W	A/T COLUMN SHIFT: E7-15
E7	9	E2	BR-B	A/T COLUMN SHIFT: SAME AS A/T FLOOR SHIFT
E7	10	VTA	Y	A/T COLUMN SHIFT: E7-11
E7	11	IDL	Y-L	A/T COLUMN SHIFT: E7-12
E7	12	THA	Y-G	
E7	13	OX2	B	
E7	14	THG	P	
E8	1	VCC	G-Y	A/T COLUMN SHIFT: SAME AS A/T FLOOR SHIFT

Automatic Connector	Automatic Pin	Function	Automatic Wire Color	Note
E8	3	HT1	P-G	
E8	6	RSC	B	
E8	7	RSO	B-R	
E8	8	SL	R-G	A/T FLOOR SHIFT ONLY
E8	9	S2	LG	A/T FLOOR SHIFT ONLY
E8	10	S1	V-Y	A/T FLOOR SHIFT ONLY
E8	11	#20	W	
E8	12	#10	W-R	
E8	13	E01	BR	
E8	14	FC	G-Y	
E8	16	HT2	R-W	
E8	17	IGF	B-Y	
E8	18	PTNK	R-Y	
E8	20	L4	G	A/T FLOOR SHIFT ONLY
E8	21	OIL	Y-R	A/T FLOOR SHIFT ONLY
E8	22	EGR	P-B	
E8	23	IGT	B-L	
E8	24	E1	BR	A/T COLUMN SHIFT: E8-14
E8	25	E03	BR	
E8	26	E02	BR	

1996 Tacoma 3RZ-FE 4x4 ECM terminals, Manual ECU

All data compiled from the 1996 factory service manual wiring guide

For 2RZ-FE, 3RZ-FE M/T



Manual Connector	Manual Pin	Function	Manual Wire Color	Note
E5	1	BATT	B-Y	
E5	5	W	V	
E5	7	SDL	W	
E5	8	ACT	L-B	
E5	9	SP1	G-O	
E5	10	AC1	L-Y	
E5	11	STA	B-W	
E5	12	+B	W-R	
E5	14	FC	G-Y	
E5	20	BK	G-W	
E5	21	4WD	G-W	
E7	1	VCC	G-Y	
E7	2	VG	GR-R	
E7	3	THG	P	
E7	4	THW	G-R	
E7	5	OX2	B	

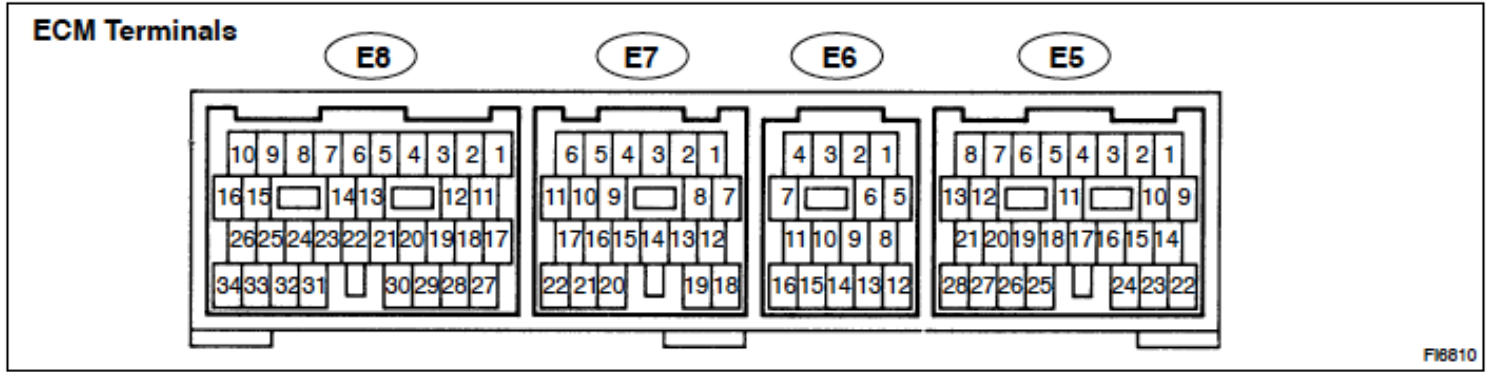
Manual Connector	Manual Pin	Function	Manual Wire Color	Note
E7	6	OX1	W	
E7	7	THA	Y-G	
E7	9	E2	BR-B	
E7	10	PTNK	R-Y	
E7	11	VTA	Y	
E7	12	IDL	Y-L	
E7	13	KNK	B	
E7	15	TE1	V-W	
E7	16	E3	BR-W	
E8	2	HT1	P-G	
E8	3	IGF	B-Y	
E8	4	NE	R	
E8	5	G	Y	
E8	6	EGR	P-B	
E8	9	RSC	B	
E8	10	RSO	B-R	
E8	11	#20	W	
E8	12	#10	W-R	
E8	13	E01	BR	
E8	14	E1	BR	
E8	15	HT2	R-W	
E8	17	NE-	G	
E8	20	IGT	B-L	
E8	21	TPC	W-G	

E8	23	EVP	GR-G	
E8	25	E03	BR	
E8	26	E02	BR	

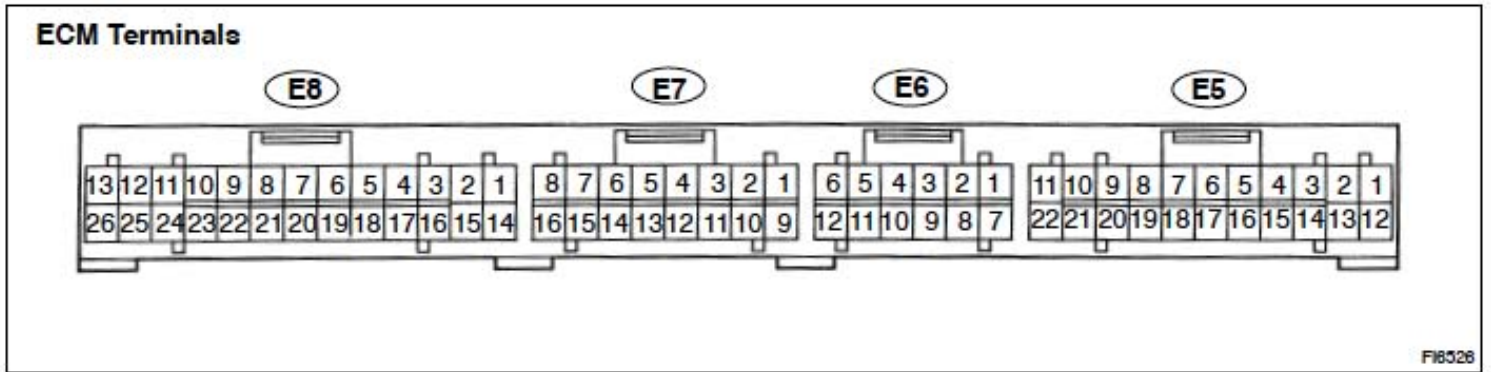
1996 Tacoma 5VZ-FE 4x4 ECM terminals, automatic vs. manual

All data compiled from the 1996 factory service manual wiring guide

For A/T



For M/T



NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

Function	Automatic Connector	Automatic Pin	Automatic Wire Color	Manual Connector	Manual Pin	Manual Wire Color	Note
R	E5	1	R-B	N/A	N/A	N/A	
2	E5	2	P	N/A	N/A	N/A	
L	E5	3	V-W	N/A	N/A	N/A	
OIL-W	E5	4	V	N/A	N/A	N/A	
ACT	E5	5	L-B	E5	6	L-B	
OD2	E5	6	L-O	N/A	N/A	N/A	
OD1	E5	7	L	N/A	N/A	N/A	
PWR	E5	10	G-O	N/A	N/A	N/A	
SP1	E5	12	G-O	E5	8	G-O	

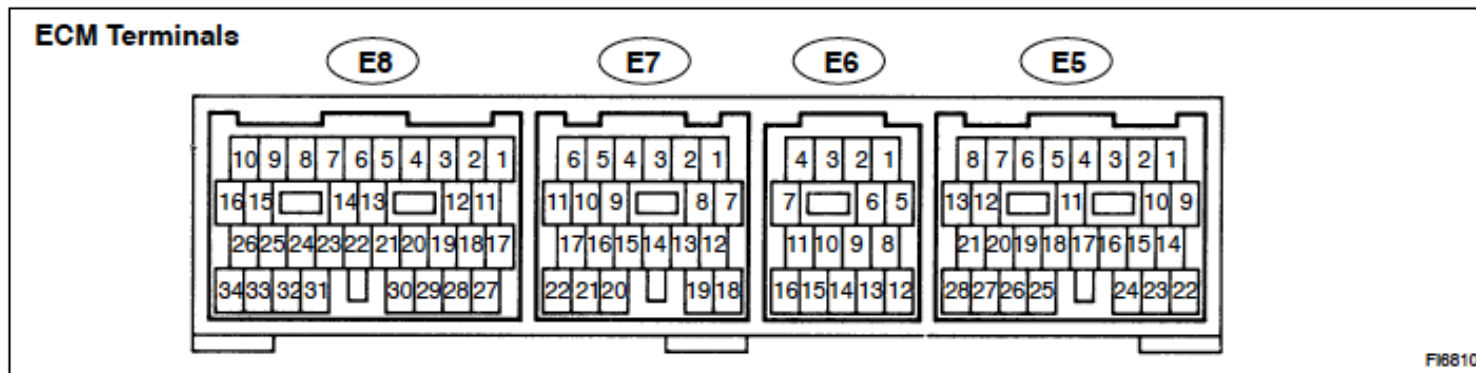
Function	Automatic Connector	Automatic Pin	Automatic Wire Color	Manual Connector	Manual Pin	Manual Wire Color	Note
BATT	E5	14	B-Y	E5	2	B-Y	
TFN	E5	17	R-G	N/A	N/A	N/A	
SDL	E5	18	W	E5	19	W	
AC1	E5	20	L-Y	E5	7	L-Y	
+B	E5	22	W-R	E5	12	W-R	
BK	E5	25	G-W	E5	20	G-W	
4WD	E5	26	G-W	E5	9	G-W	
W	E6	3	V	E5	4	V	
FC	E6	4	G-Y	E8	14	G-Y	
TE1	E6	5	V-W	E7	7	R	
EGR	E6	8	R-W	E8	18	R-W	
FPU	E6	9	R-B	E8	19	R-B	
ACV	E6	10	B-R	E8	2	B-R	
TPC	E6	13	W-G	E8	3	W-G	
E1	E6	16	BR	E8	24	BR	
VCC	E7	1	G-B	E7	1	G-B	
SP2-	E7	4	W-R	N/A	N/A	N/A	
NE	E7	5	R	E6	12	R	
NE-	E7	6	G	E6	6	G	
VTA	E7	7	Y	E7	10	Y	
VG	E7	8	GR-R	E7	2	GR-R	
SP2+	E7	9	Y-R	N/A	N/A	N/A	
G	E7	10	Y	E6	11	Y	
G-	E7	11	L	E6	5	L	

Function	Automatic Connector	Automatic Pin	Automatic Wire Color	Manual Connector	Manual Pin	Manual Wire Color	Note
OIL	E7	12	Y-R	N/A	N/A	N/A	
OX1	E7	13	W	E7	5	W	
THA	E7	14	Y-G	E7	12	Y-G	
PTNK	E7	15	R-Y	E6	4	R-Y	
KNK2	E7	16	GR	E7	3	GR	
KNK1	E7	17	B	E7	6	B	
E3	E7	18	BR-W	N/A	N/A	N/A	
OX2	E7	19	B	E7	13	B	
THW	E7	20	G-R	E7	4	G-R	
THG	E7	21	P-G	E7	14	P-G	
E2	E7	22	BR-B	E7	9	BR-B	
IDL	E8	1	Y-L	E7	11	Y-L	
E01	E8	1	BR	E8	13	BR	
E02	E8	1	BR	E8	26	BR	
E03	E8	1	BR	E6	7	BR	
#60	E8	5	Y-B	E8	8	Y-B	
#50	E8	6	W-L	E8	9	W-L	
#40	E8	7	Y-R	E8	10	Y-R	
#30	E8	8	W-G	E8	25	W-G	
#20	E8	9	W	E8	11	W	
#10	E8	10	W-R	E8	12	W-R	
S1	E8	11	V-Y	N/A	N/A	N/A	
IGF	E8	12	B-Y	E8	17	B-Y	
STA	E8	13	B-W	N/A	N/A	N/A	

Function	Automatic Connector	Automatic Pin	Automatic Wire Color	Manual Connector	Manual Pin	Manual Wire Color	Note
NSW	E8	14	B	N/A	N/A	N/A	
HT2	E8	15	R-W	E6	9	R-G	
HT1	E8	16	P-G	E6	3	P-G	
S2	E8	17	LG	N/A	N/A	N/A	
RSC	E8	22	B-R	E8	6	B-R	
RSO	E8	23	BR-R	E8	7	BR-R	
IGT1	E8	24	B-L	E8	23	B-L	
IGT2	E8	25	BR-Y	E8	22	BR-Y	
IGT3	E8	26	B-W	E8	21	B-W	
SL	E8	27	R-G	N/A	N/A	N/A	
L4	E8	29	G	N/A	N/A	N/A	
EVP1	N/A	N/A	N/A	E6	15	W-G	

All data compiled from the 1996 factory service manual wiring guide

For A/T



F16810

Automatic Connector	Automatic Pin	Function	Automatic Wire Color	Note
E5	1	R	R-B	
E5	2	2	P	
E5	3	L	V-W	
E5	4	OIL-W	V	
E5	5	ACT	L-B	
E5	6	OD2	L-O	
E5	7	OD1	L	
E5	10	PWR	G-O	
E5	12	SP1	G-O	
E5	14	BATT	B-Y	
E5	17	TFN	R-G	
E5	18	SDL	W	
E5	20	AC1	L-Y	
E5	22	+B	W-R	
E5	25	BK	G-W	
E5	26	4WD	G-W	

E6	3	W	V	
E6	4	FC	G-Y	
E6	5	TE1	V-W	
E6	8	EGR	R-W	
E6	9	FPU	R-B	
E6	10	ACV	B-R	
E6	13	TPC	W-G	
E6	16	E1	BR	
E7	1	VCC	G-B	
E7	4	SP2-	W-R	
E7	5	NE	R	
E7	6	NE-	G	
E7	7	VTA	Y	
E7	8	VG	GR-R	
E7	9	SP2+	Y-R	
E7	10	G	Y	
E7	11	G-	L	
E7	12	OIL	Y-R	
E7	13	OX1	W	
E7	14	THA	Y-G	
E7	15	PTNK	R-Y	
E7	16	KNK2	GR	
E7	17	KNK1	B	
E7	18	E3	BR-W	

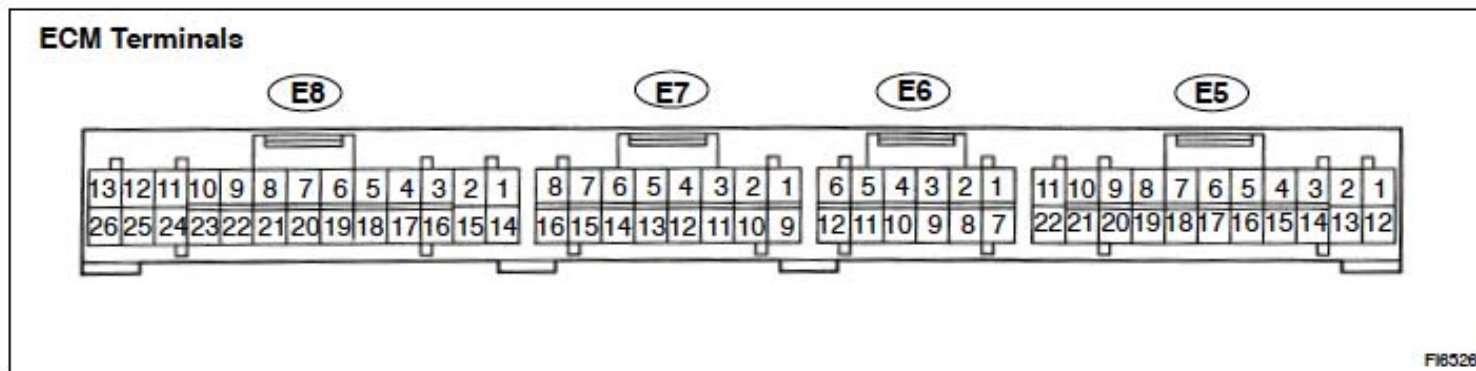
Automatic Connector	Automatic Pin	Function	Automatic Wire Color	Note
E7	19	OX2	B	
E7	20	THW	G-R	
E7	21	THG	P-G	
E7	22	E2	BR-B	
E8	1	IDL	Y-L	
E8	1	E01	BR	
E8	1	E02	BR	
E8	1	E03	BR	
E8	5	#60	Y-B	
E8	6	#50	W-L	
E8	7	#40	Y-R	
E8	8	#30	W-G	
E8	9	#20	W	
E8	10	#10	W-R	
E8	11	S1	V-Y	
E8	12	IGF	B-Y	
E8	13	STA	B-W	
E8	14	NSW	B	
E8	15	HT2	R-W	
E8	16	HT1	P-G	
E8	17	S2	LG	
E8	22	RSC	B-R	
E8	23	RSO	BR-R	
E8	24	IGT1	B-L	

E8	25	IGT2	BR-Y	
E8	26	IGT3	B-W	
E8	27	SL	R-G	
E8	29	L4	G	
N/A	N/A	EVP1	N/A	

1996 Tacoma 5VZ-FE 4x4 ECM terminals, Manual ECU

All data compiled from the 1996 factory service manual wiring guide

For M/T



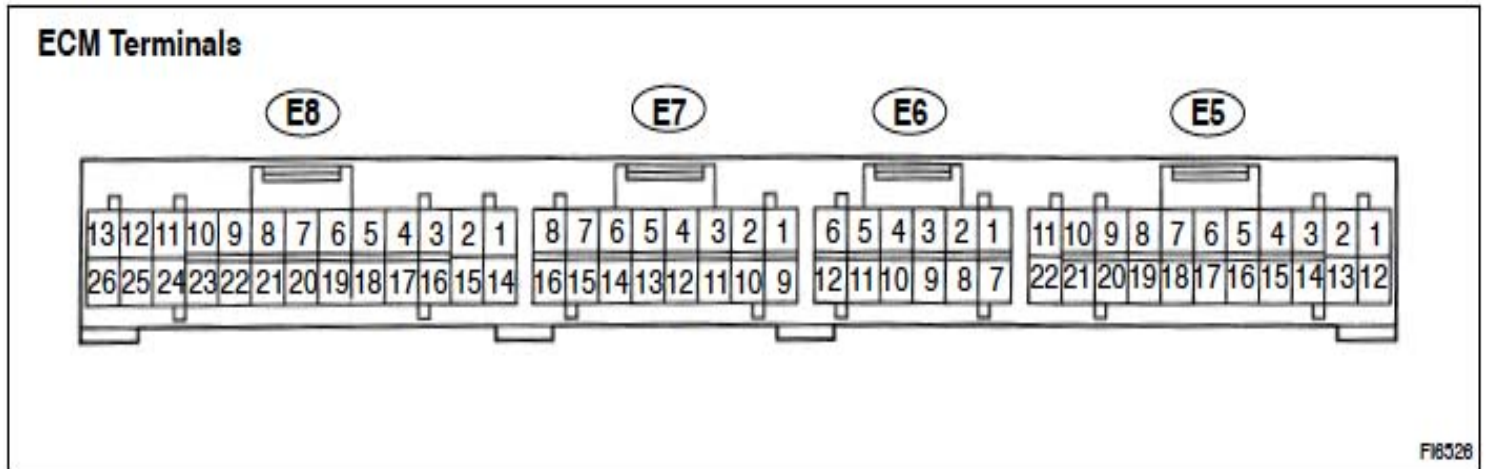
Manual Connector	Manual Pin	Function	Manual Wire Color	Note
E5	2	BATT	B-Y	
E5	4	W	V	
E5	6	ACT	L-B	
E5	7	AC1	L-Y	
E5	8	SP1	G-O	
E5	9	4WD	G-W	
E5	12	+B	W-R	
E5	19	SDL	W	
E5	20	BK	G-W	
E6	3	HT1	P-G	
E6	4	PTNK	R-Y	
E6	5	G-	L	
E6	6	NE-	G	
E6	7	E03	BR	
E6	9	HT2	R-G	
E6	11	G	Y	

Manual Connector	Manual Pin	Function	Manual Wire Color	Note
E6	12	NE	R	
E6	15	EVP1	W-G	
E7	1	VCC	G-B	
E7	2	VG	GR-R	
E7	3	KNK2	GR	
E7	4	THW	G-R	
E7	5	OX1	W	
E7	6	KNK1	B	
E7	7	TE1	R	
E7	9	E2	BR-B	
E7	10	VTA	Y	
E7	11	IDL	Y-L	
E7	12	THA	Y-G	
E7	13	OX2	B	
E7	14	THG	P-G	
E8	2	ACV	B-R	
E8	3	TPC	W-G	
E8	6	RSC	B-R	
E8	7	RSO	BR-R	
E8	8	#60	Y-B	
E8	9	#50	W-L	
E8	10	#40	Y-R	
E8	11	#20	W	
E8	12	#10	W-R	

Manual Connector	Manual Pin	Function	Manual Wire Color	Note
E8	13	E01	BR	
E8	14	FC	G-Y	
E8	17	IGF	B-Y	
E8	18	EGR	R-W	
E8	19	FPU	R-B	
E8	21	IGT3	B-W	
E8	22	IGT2	BR-Y	
E8	23	IGT1	B-L	
E8	24	E1	BR	
E8	25	#30	W-G	
E8	26	E02	BR	

1997 Tacoma 3RZ-FE 4x4 ECM terminals, automatic vs. manual
All data compiled from the 1997 factory service manual wiring guide

For 3RZ-FE



NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	2	BATT	B-Y	BATT	B-Y		
E5	3	OIL-W	V	N/A	N/A		
E5	4	W	V	W	V		
E5	5	OD2	L-O	N/A	N/A		
E5	6	ACT	L-B	ACT	L-B		
E5	7	AC1	L-Y	AC1	L-Y		
E5	8	SP1	G-O	N/A	N/A		
E5	10	4WD	G-W	4WD	G-W		
E5	11	STA	B-W	STA	B-W		
E5	12	+B	W-R	+B	W-R		
E5	13	TFN	R-G	TFN	R-G		IDENTIFIED AS "A/T" ON M/T DIAGRAM
E5	14	PWR	G-O	N/A	N/A		
E5	15	L	V-W	N/A	N/A		

1997 Tacoma 3RZ-FE 4x4 ECM terminals, automatic vs. manual

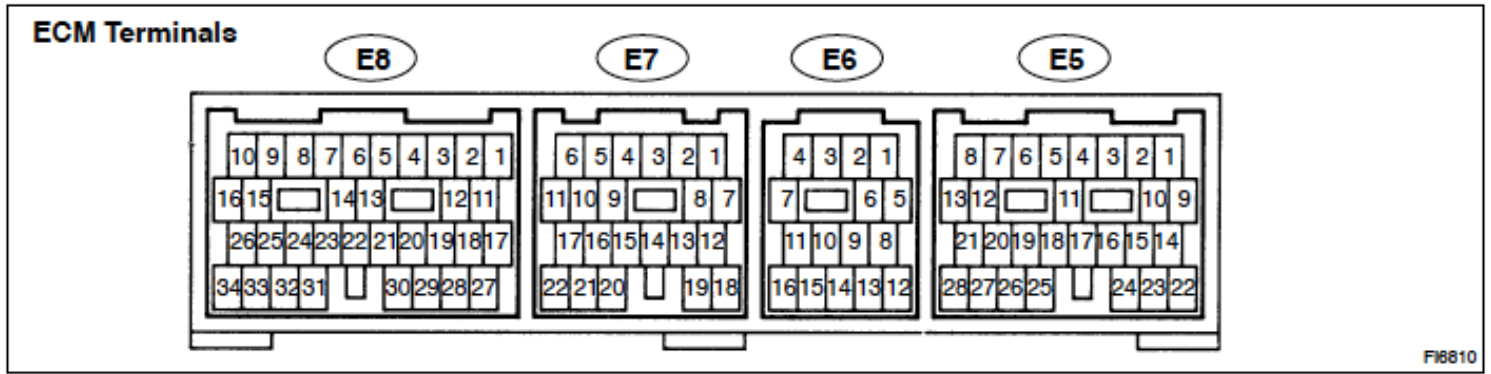
Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	16	2	P	N/A	N/A		
E5	17	R	R-B	N/A	N/A		
E5	18	OD1	R-Y	N/A	N/A		
E5	19	SIL	W	SIL	W		
E5	21	BK	G-W	BK	G-W		
E5	22	NSW	B	NSW	B		IDENTIFIED AS "A/T" ON M/T DIAGRAM
E6	2	ELS	G-R	N/A	N/A		
E6	3	SP2-	W-R	N/A	N/A		
E6	5	G-	L	G-	L		
E6	6	NE-	G	NE-	G		
E6	7	E3	BR-W	E3	BR-W		
E6	9	SP2+	Y-R	N/A	N/A		
E6	10	SP1	G-O	SP1	G-O		
E6	11	G	Y	G	Y		
E6	12	NE	R	NE	R		
E7	1	VCC	G-Y	VCC	G-Y		
E7	2	VG	GR-R	VG	GR-R		
E7	3	THA	Y-G	THA	Y-G		
E7	4	THW	G-R	THW	G-R		
E7	5	OX1	W	OX1	W		
E7	7	TE1	V-W	TE1	V-W		
E7	9	E2	BR-B	E2	BR-B		
E7	10	VTA	Y	VTA	Y		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E7	11	THG	P	THG	P		
E7	12	KNK	B	KNK	B		
E7	13	OX2	B	OX2	B		
E7	15	EGR	P-B	EGR	P-B		
E8	1	HT2	R-W	HT2	R-W		
E8	2	HT1	P-G	HT1	P-G		
E8	3	EVP	W-G	EVP	W-G		
E8	4	IDLO	L	IDLO	L		
E8	6	RSC	B	RSC	B		
E8	7	RSO	B-R	RSO	B-R		
E8	8	S1	V-Y	TPC	GR-G	Conflict!	S1 SHIFT SOLENOID IS A/T ONLY
E8	9	#40	Y-R	#40	Y-R		
E8	10	#30	W-G	#30	W-G		
E8	11	#20	W	#20	W		
E8	12	#10	W-R	#10	W-R		
E8	13	E01	BR	E01	BR		
E8	14	FC	G-Y	FC	G-Y		
E8	16	OIL	Y-R	N/A	N/A		
E8	17	IGF	B-Y	IGF	B-Y		
E8	18	L4	G	L4	G		IDENTIFIED AS "A/T" ON M/T DIAGRAM
E8	20	SL	R-G	N/A	N/A		
E8	21	S2	LG	N/A	N/A		
E8	22	IGT2	BR-Y	IGT2	BR-Y		

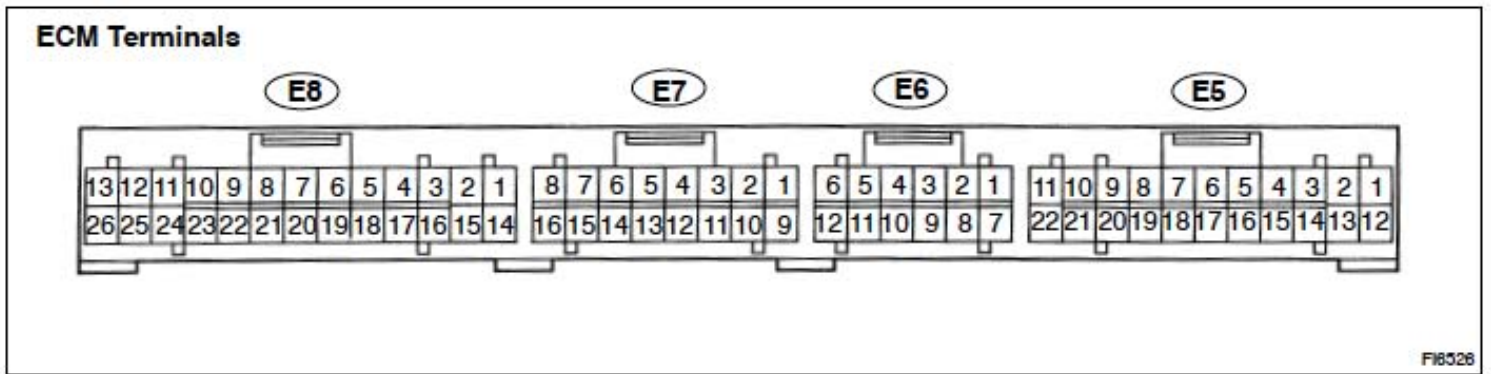
Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E8	23	IGT1	B-L	IGT1	B-L		
E8	24	E1	BR	E1	BR		
E8	25	E03	BR	E03	BR		
E8	26	E02	BR	E02	BR		

1997 Tacoma 5VZ-FE 4x4 ECM terminals, automatic vs. manual
All data compiled from the 1997 factory service manual wiring guide

For A/T



For M/T



NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

Function	Automatic Connector	Automatic Pin	Automatic Wire Color	Manual Connector	Manual Pin	Manual Wire Color	Note
R	E5	1	R-B	N/A	N/A	N/A	
2	E5	2	P	N/A	N/A	N/A	
L	E5	3	V-W	N/A	N/A	N/A	
OIL-W	E5	4	V	N/A	N/A	N/A	
ACT	E5	5	L-B	E5	6	L-B	
OD2	E5	6	L-O	N/A	N/A	N/A	
OD1	E5	7	R-Y	N/A	N/A	N/A	
PWR	E5	10	G-O	N/A	N/A	N/A	
SP1	E5	12	G-O	E5	8	G-O	

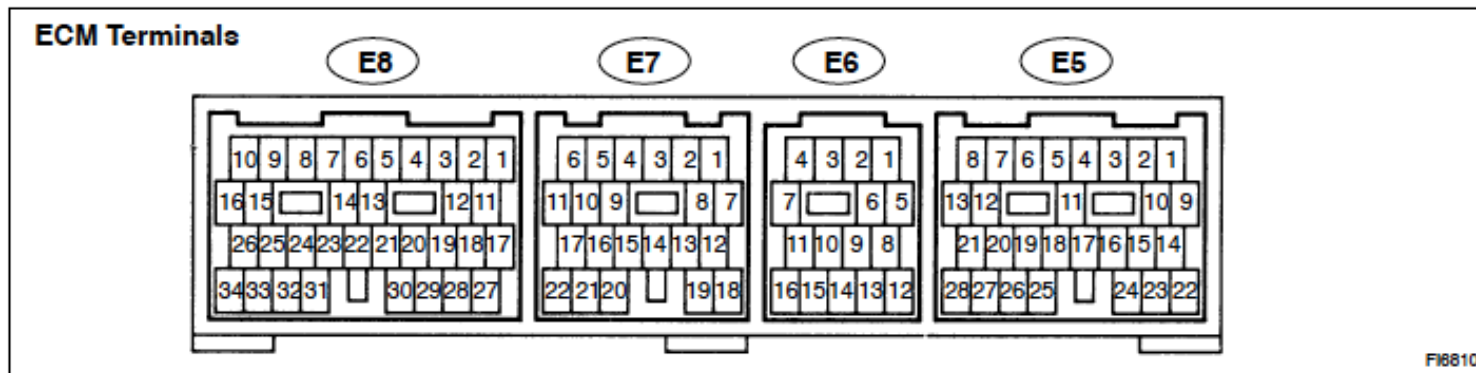
Function	Automatic Connector	Automatic Pin	Automatic Wire Color	Manual Connector	Manual Pin	Manual Wire Color	Note
BATT	E5	14	B-Y	N/A	N/A	N/A	
TFN	E5	17	R-G	N/A	N/A	N/A	
SDL	E5	18	W	E5	19	W	
AC1	E5	20	L-Y	E5	7	L-Y	
+B	E5	22	W-R	E5	12	W-R	
BK	E5	25	G-W	E5	20	G-W	
4WD	E5	26	G-W	E5	9	G-W	
IDLO	E6	1	L	E8	4	L	
W	E6	3	V	E5	4	V	
FC	E6	4	G-Y	E8	14	G-Y	
TE1	E6	5	V-W	E7	7	R	
EGR	E6	8	R-W	E8	18	R-W	
TPC	E6	13	GR-G	E8	30	GR-G	
EVP	E6	15	W-G	E8	5	W-G	
E1	E6	16	BR	E8	24	BR	
VCC	E7	1	G-B	E7	1	G-B	
SP2-	E7	4	W-R	N/A	N/A	N/A	
NE	E7	5	R	E6	12	R	
NE-	E7	6	G	E6	6	G	
VTA	E7	7	Y	E7	10	Y	
VG	E7	8	GR-R	E7	2	GR-R	
SP2+	E7	9	Y-R	N/A	N/A	N/A	
G	E7	10	Y	E6	11	Y	
G-	E7	11	L	E6	5	L	

Function	Automatic Connector	Automatic Pin	Automatic Wire Color	Manual Connector	Manual Pin	Manual Wire Color	Note
OIL	E7	12	Y-R	N/A	N/A	N/A	
OX1	E7	13	W	N/A	N/A	N/A	
OX1	E7	13	W	N/A	N/A	N/A	
THA	E7	14	Y-G	E7	12	Y-G	
PTNK	E7	15	R-Y	E6	4	R-Y	
KNK2	E7	16	GR	E7	30	GR	
KNK1	E7	17	B	E7	6	B	
E3	E7	18	BR-W	E7	8	BR-W	
OX2	E7	19	B	E7	13	B	
THW	E7	20	G-R	E7	4	G-R	
THG	E7	21	P-G	E7	14	P-G	
E2	E7	22	BR-B	E7	9	BR-B	
E03	E8	1	BR	E6	7	BR	
#60	E8	5	Y-B	E8	8	Y-B	
#50	E8	6	W-L	E8	9	W-L	
#40	E8	7	Y-R	E8	10	Y-R	
#30	E8	8	W-G	E8	25	W-G	
#20	E8	9	W	E8	11	W	
#10	E8	10	W-R	E8	12	W-R	
S1	E8	11	V-Y	N/A	N/A	N/A	
IGF	E8	12	B-Y	N/A	N/A	N/A	
STA	E8	13	B-W	E5	11	B-W	
NSW	E8	14	B	N/A	N/A	N/A	
HT2	E8	15	R-W	E6	9	R-G	

Function	Automatic Connector	Automatic Pin	Automatic Wire Color	Manual Connector	Manual Pin	Manual Wire Color	Note
HT1	E8	16	P-G	E6	3	P-G	
S2	E8	17	LG	N/A	N/A	N/A	
RSC	E8	22	B-R	E8	6	B-R	
RSO	E8	23	BR-R	E8	7	BR-R	
IGT1	E8	24	B-L	E8	23	B-L	
IGT2	E8	25	BR-Y	E8	22	BR-Y	
IGT3	E8	26	B-W	E8	21	B-W	
SL	E8	27	R-G	N/A	N/A	N/A	
L4	E8	29	G	N/A	N/A	N/A	
E02	E8	33	BR	E8	26	BR	
E01	E8	34	BR	E8	13	BR	
	N/A	N/A	N/A	N/A	N/A	N/A	?

All data compiled from the 1997 factory service manual wiring guide

For A/T



F16810

Automatic Connector	Automatic Pin	Function	Automatic Wire Color	Note
E5	1	R	R-B	
E5	2	2	P	
E5	3	L	V-W	
E5	4	OIL-W	V	
E5	5	ACT	L-B	
E5	6	OD2	L-O	
E5	7	OD1	R-Y	
E5	10	PWR	G-O	
E5	12	SP1	G-O	
E5	14	BATT	B-Y	
E5	17	TFN	R-G	
E5	18	SDL	W	
E5	20	AC1	L-Y	
E5	22	+B	W-R	
E5	25	BK	G-W	
E5	26	4WD	G-W	

E6	1	IDLO	L	
E6	3	W	V	
E6	4	FC	G-Y	
E6	5	TE1	V-W	
E6	8	EGR	R-W	
E6	13	TPC	GR-G	
E6	15	EVP	W-G	
E6	16	E1	BR	
E7	1	VCC	G-B	
E7	4	SP2-	W-R	
E7	5	NE	R	
E7	6	NE-	G	
E7	7	VTA	Y	
E7	8	VG	GR-R	
E7	9	SP2+	Y-R	
E7	10	G	Y	
E7	11	G-	L	
E7	12	OIL	Y-R	
E7	13	OX1	W	
E7	13	OX1	W	
E7	14	THA	Y-G	
E7	15	PTNK	R-Y	
E7	16	KNK2	GR	
E7	17	KNK1	B	

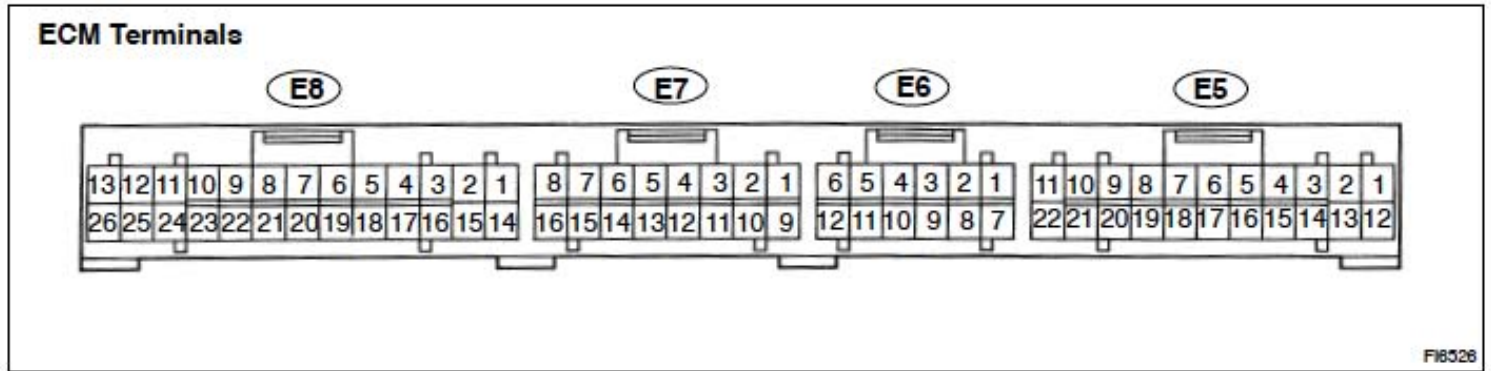
E7	18	E3	BR-W	
E7	19	OX2	B	
E7	20	THW	G-R	
E7	21	THG	P-G	
E7	22	E2	BR-B	
E8	1	E03	BR	
E8	5	#60	Y-B	
E8	6	#50	W-L	
E8	7	#40	Y-R	
E8	8	#30	W-G	
E8	9	#20	W	
E8	10	#10	W-R	
E8	11	S1	V-Y	
E8	12	IGF	B-Y	
E8	13	STA	B-W	
E8	14	NSW	B	
E8	15	HT2	R-W	
E8	16	HT1	P-G	
E8	17	S2	LG	
E8	22	RSC	B-R	
E8	23	RSO	BR-R	
E8	24	IGT1	B-L	
E8	25	IGT2	BR-Y	
E8	26	IGT3	B-W	

E8	27	SL	R-G	
E8	29	L4	G	
E8	33	E02	BR	
E8	34	E01	BR	

1997 Tacoma 5VZ-FE 4x4 ECM terminals, Manual ECU

All data compiled from the 1997 factory service manual wiring guide

For M/T



Manual Connector	Manual Pin	Function	Manual Wire Color	Note
E5	4	W	V	
E5	6	ACT	L-B	
E5	7	AC1	L-Y	
E5	8	SP1	G-O	
E5	9	4WD	G-W	
E5	11	STA	B-W	
E5	12	+B	W-R	
E5	19	SDL	W	
E5	20	BK	G-W	
E6	3	HT1	P-G	
E6	4	PTNK	R-Y	
E6	5	G-	L	
E6	6	NE-	G	
E6	7	E03	BR	
E6	9	HT2	R-G	
E6	11	G	Y	

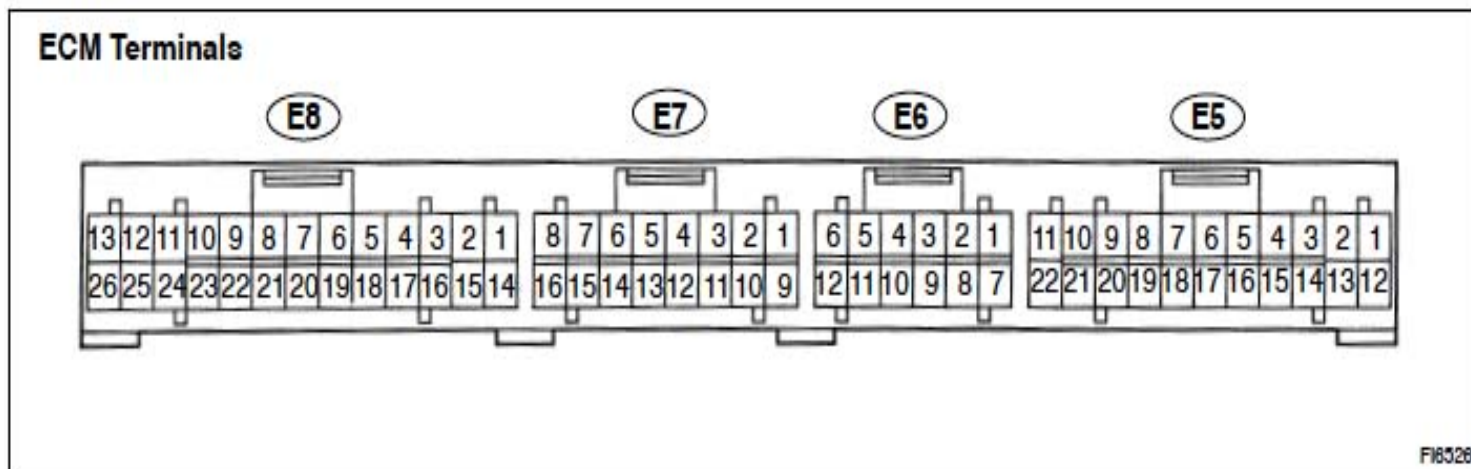
E6	12	NE	R	
E7	1	VCC	G-B	
E7	2	VG	GR-R	
E7	4	THW	G-R	
E7	6	KNK1	B	
E7	7	TE1	R	
E7	8	E3	BR-W	
E7	9	E2	BR-B	
E7	10	VTA	Y	
E7	12	THA	Y-G	
E7	13	OX2	B	
E7	14	THG	P-G	
E7	30	KNK2	GR	
E8	4	IDLO	L	
E8	5	EVP	W-G	
E8	6	RSC	B-R	
E8	7	RSO	BR-R	
E8	8	#60	Y-B	
E8	9	#50	W-L	
E8	10	#40	Y-R	
E8	11	#20	W	
E8	12	#10	W-R	
E8	13	E01	BR	
E8	14	FC	G-Y	

E8	18	EGR	R-W	
E8	21	IGT3	B-W	
E8	22	IGT2	BR-Y	
E8	23	IGT1	B-L	
E8	24	E1	BR	
E8	25	#30	W-G	
E8	26	E02	BR	
E8	30	TPC	GR-G	

1998 Tacoma 3RZ-FE 4x4 ECM terminals, automatic vs. manual

All data compiled from the 1998 factory service manual wiring guide

For 3RZ-FE



NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	2	BATT	B-Y	BATT	B-Y		
E5	3	OIL-W	V	N/A	N/A		
E5	4	W	V-R	W	V-R		
E5	5	OD2	L-O	N/A	N/A		
E5	6	ACT	L-B	ACT	L-B		
E5	7	AC1	L-Y	AC1	L-Y		
E5	8	SP1	G-O	SP1	G-O		
E5	10	4WD	R-W	4WD	R-W		
E5	11	STA	B-W	STA	B-W		
E5	12	+B	W-R	+B	W-R		
E5	13	TFN	R-G	TFN	R-G		
E5	14	PWR	G	N/A	N/A		
E5	15	L	V-W	N/A	N/A		

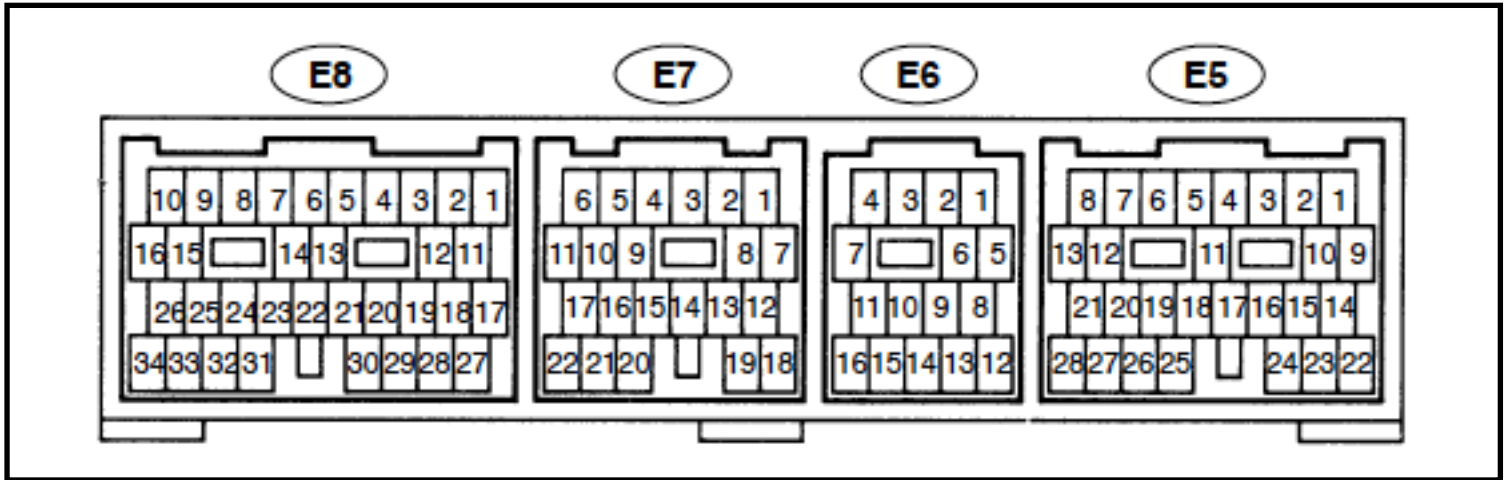
Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	16	2	P	N/A	N/A		
E5	17	R	R-B	N/A	N/A		
E5	18	OD1	L	N/A	N/A		
E5	19	SIL	W	SIL	W		
E5	21	BK	G-W	BK	G-W		
E5	22	NSW	B-R	NSW	B-R		A/T
E6	3	SP2-	W-R	N/A	N/A		
E6	5	G-	L	G-	L		
E6	6	NE-	G	NE-	G		
E6	7	E3	BR-W	E3	BR-W		
E6	9	SP2+	Y-R	N/A	N/A		
E6	10	PTNK	R-Y	PTNK	R-Y		
E6	11	G	Y	G	Y		
E6	12	NE	R	NE	R		
E7	1	VCC	G-Y	VCC	G-Y		
E7	2	VG	GR-R	VG	GR-R		
E7	3	THA	Y-G	THA	Y-G		
E7	4	THW	G-R	THW	G-R		
E7	5	OX1	W	OX1	W		
E7	7	TE1	V-W	TE1	V-W		
E7	8	TPC	GR-G	TPC	GR-G		
E7	9	E2	BR-B	N/A	N/A		
E7	10	VTA	Y	VTA	Y		

1998 Tacoma 3RZ-FE 4x4 ECM terminals, automatic vs. manual

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E7	11	THG	P	THG	P		
E7	12	KNK	B	KNK	B		
E7	13	OX2	B	OX2	B		
E7	15	EGR	P-B	EGR	P-B		
E8	1	HT2	R-W	HT2	R-W		
E8	2	HT1	R-B	HT1	R-B		
E8	3	EVP	W-G	EVP	W-G		
E8	4	IDLO	LG-R	IDLO	LG-R		
E8	6	RSC	B	RSC	B		
E8	7	RSO	B-R	RSO	B-R		
E8	8	S1	V-Y	N/A	N/A		
E8	9	#40	R-L	#40	R-L		
E8	10	#30	R	#30	R		
E8	11	#20	W	#20	W		
E8	12	#10	W-R	#10	W-R		
E8	13	E01	BR	E01	BR		
E8	14	FC	G-Y	FC	G-Y		
E8	15	TAC	B	TAC	B		
E8	16	OIL	Y-R	N/A	N/A		
E8	17	IGF	B-Y	IGF	B-Y		
E8	18	L4	GR	L4	GR		
E8	20	SL	R-G	N/A	N/A		
E8	21	S2	LG	N/A	N/A		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E8	22	IGT2	BR-Y	IGT2	BR-Y		
E8	23	IGT1	B-L	IGT1	B-L		
E8	24	E1	BR	E1	BR		
E8	25	E03	BR	E03	BR		
E8	26	E02	BR	E02	BR		

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



NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	1	L	V-W	N/A	N/A		
E5	5	ACT	L-B	ACT	L-B		
E5	6	OD2	L-O	N/A	N/A		
E5	7	OD1	R-Y	N/A	N/A		
E5	8	SIL	W	SIL	W		
E5	10	2	P	N/A	N/A		
E5	11	IDLO	LG-R	IDLO	LG-R		
E5	12	SP1	G-O	SP1	G-O		
E5	14	BATT	B-Y	BATT	B-Y		
E5	15	R	R-B	N/A	N/A		
E5	16	AC1	L-Y	AC1	L-Y		
E5	23	+B	W-R	+B	W-R		
E5	24	BK	G-W	BK	G-W		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E6	2	EVP	W-G	EVP	W-G		
E6	3	W	V-R	W	V-R		
E6	5	TE1	R	TE1	R		
E6	6	OIL	V	N/A	N/A		FLOOR A/T ONLY
E6	7	E3	BR-W	E3	BR-W		
E6	8	TPC	GR-G	TPC	GR-G		
E6	9	TFN	R-G	TFN	R-G		4WD ONLY
E6	10	HT2	R-W	HT2	R-G		
E6	11	HT1	P-G	HT1	P-G		
E6	12	EGR	R-W	EGR	R-W		2WD ONLY
E6	13	PTNK	R-Y	PTNK	R-Y		
E6	14	THG	P-G	THG	P-G		2WD ONLY
E6	16	E1	BR	E1	BR		
E7	1	VC	G-B	VC	G-B		
E7	4	SP2-	W-R	N/A	N/A		
E7	5	NE+	R	NE+	R		
E7	6	NE-	L	NE-	L		
E7	7	VTA	Y	VTA	Y		
E7	8	VG	GR-R	VG	GR-R		
E7	9	SP2+	Y-R	N/A	N/A		
E7	12	PWR	G	N/A	N/A		
E7	13	OX1	W	OX1	W		
E7	14	KNK2	GR	KNK2	GR		

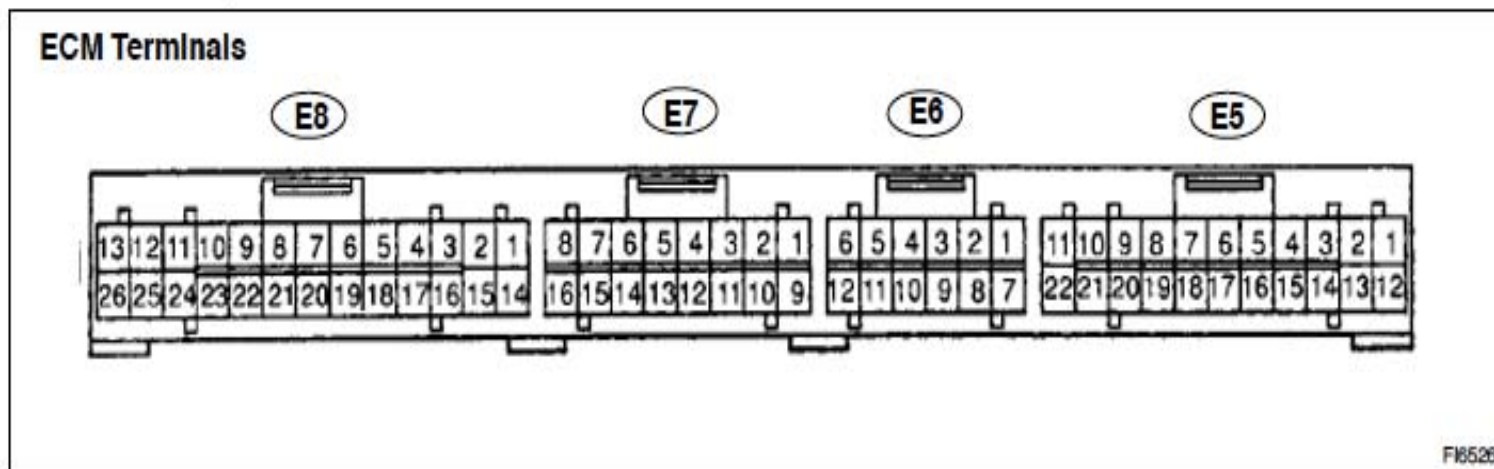
1998 Tacoma 5VZ-FE 4x4 ECM terminals, automatic vs. manual

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E7	15	KNK1	B	KNK1	B		
E7	17	G+	Y	G+	Y		
E7	18	FC	G-Y	FC	G-Y		
E7	19	OX2	B	OX2	B		
E7	20	THW	G-R	THW	G-R		
E7	21	THA	Y-G	THA	Y-G		
E7	22	E2	BR-B	E2	BR-B		
E8	1	4WD	R-W	4WD	R-W		4WD ONLY
E8	2	L4	GR	L4	GR		4WD ONLY
E8	5	#60	L	#60	L		
E8	6	#50	W-L	#50	W-L		
E8	7	#40	L-R	#40	L-R		
E8	8	#30	W-G	#30	W-G		
E8	9	#20	W	#20	W		
E8	10	#10	W-R	#10	W-R		
E8	11	S1	V-Y	N/A	N/A		
E8	12	IGF	B-Y	IGF	B-Y		
E8	13	STA	B-W	STA	B-W		
E8	14	NSW	B-R	NSW	B-R		A/T
E8	15	IGT3	B-W	IGT3	B-W		
E8	16	IGT2	BR-Y	IGT2	BR-Y		
E8	17	S2	LG	N/A	N/A		
E8	22	RSC	B-R	RSC	B-R		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E8	23	RSO	BR-R	RSO	BR-R		
E8	24	IGT1	B-L	IGT1	B-L		
E8	27	SL	R-G	N/A	N/A		
E8	28	E03	BR	E03	BR		
E8	30	OIL	Y-R	N/A	N/A		
E8	31	PSW	Y	PSW	Y		

1999 Tacoma 3RZ-FE 4x4 ECM terminals, automatic vs. manual
All data compiled from the 1999 factory service manual wiring guide

3RZ-FE (Except California)



NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

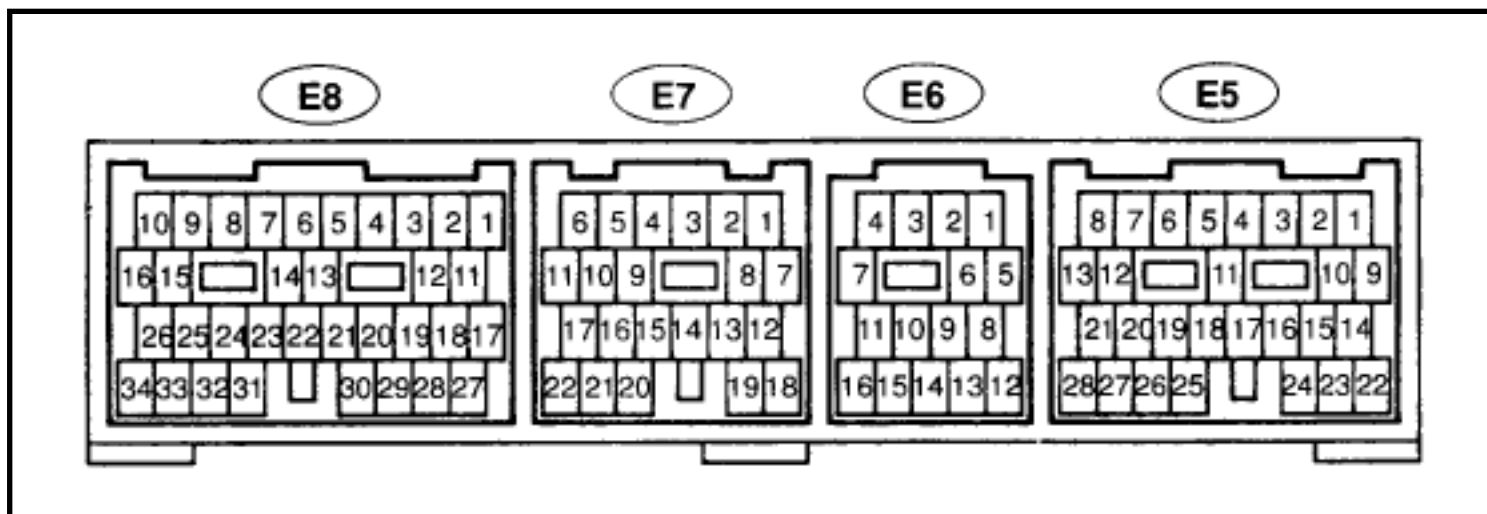
Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	2	BATT	B-Y	BATT	B-Y		
E5	3	OIL-W	V	N/A	N/A		Present on ECT diagram only.
E5	4	W	V-R	W	V-R		
E5	5	OD2	L-O	N/A	N/A		Present on ECT diagram only.
E5	6	ACT	L-B	ACT	L-B		
E5	7	AC1	L-Y	AC1	L-Y		
E5	8	SP1	G-O	SP1	G-O		
E5	10	4WD	R-W	4WD	R-W		
E5	11	STA	B-W	STA	B-W		
E5	12	+B	W-R	+B	W-R		
E5	13	TFN	R-G	TFN	R-G		
E5	14	PWR	G	N/A	N/A		Present on ECT diagram only.
E5	15	L	V-W	N/A	N/A		Present on ECT diagram only.

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	16	2	P	N/A	N/A		Present on ECT diagram only.
E5	17	R	R-B	N/A	N/A		Present on ECT diagram only.
E5	18	OD1	R-Y	N/A	N/A		Present on ECT diagram only.
E5	19	SIL	W	SIL	W		
E5	21	BK	G-W	BK	G-W		
E5	22	NSW (A/T)	B-R	NSW (A/T)	B-R		
E6	2	ELS (A/T)	G-R	ELS (A/T)	G-R		
E6	3	SP2-	W-R	N/A	N/A		Present on ECT diagram only.
E6	5	G-	L	G-	L		
E6	6	NE-	G	NE-	G		
E6	7	E3	BR-W	E3	BR-W		
E6	9	SP2+	Y-R	N/A	N/A		Present on ECT diagram only.
E6	10	PTNK	R-Y	PTNK	R-Y		
E6	11	G	Y	G	Y		
E6	12	NE	R	NE	R		
E7	1	VCC	G-Y	VCC	G-Y		
E7	2	VG	GR-R	VG	GR-R		
E7	3	THA	Y-G	THA	Y-G		
E7	4	THW	G-R	THW	G-R		
E7	5	OX1	W	OX1	W		
E7	7	TE1	V-W	TE1	V-W		
E7	8	TPC	GR-G	TPC	GR-G		
E7	9	E2	BR-B	E2	BR-B		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E7	10	VTA	Y	VTA	Y		
E7	11	THG	P	THG	P		
E7	12	KNK	B	KNK	B		
E7	13	OX2	B	OX2	B		
E7	15	EGR	P-B	EGR	P-B		
E8	1	HT2	R-W	HT2	R-W		
E8	2	HT1	R-B	HT1	R-B		
E8	3	EVP	W-G	EVP	W-G		
E8	4	IDLO	LG-R	IDLO	LG-R		
E8	6	RSC	B	RSC	B		
E8	7	RSO	B-R	RSO	B-R		
E8	8	S1	V-Y	N/A	N/A		Present on ECT diagram only.
E8	9	#40	R-L	#40	R-L		
E8	10	#30	R	#30	R		
E8	11	#20	W	#20	W		
E8	12	#10	W-R	#10	W-R		
E8	13	E01	BR	E01	BR		
E8	14	FC	G-Y	FC	G-Y		
E8	15	TAC	B	TAC	B		
E8	17	IGF	B-Y	IGF	B-Y		
E8	18	L4	GR	L4	GR		
E8	20	SL	R-G	N/A	N/A		Present on ECT diagram only.
E8	21	S2	LG	N/A	N/A		Present on ECT diagram only.

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E8	22	IGT2	BR-Y	IGT2	BR-Y		
E8	23	IGT1	B-L	IGT1	B-L		
E8	24	E1	BR	E1	BR		
E8	25	E03	BR	E03	BR		
E8	26	E02	BR	E02	BR		

1999 Tacoma 5VZ-FE 4x4 ECM terminals, automatic vs. manual
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NOTE: For each ECM connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

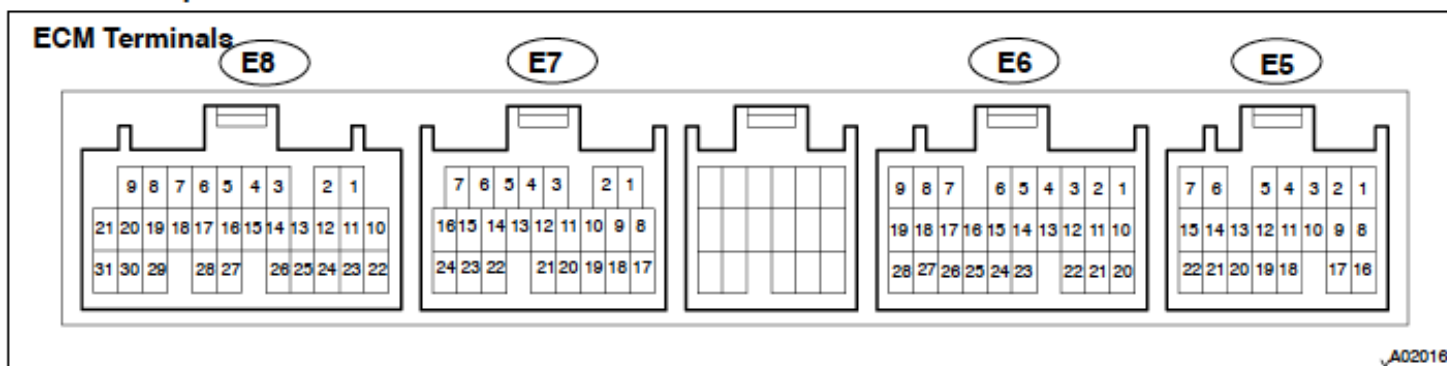
Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	1	L	V-W	N/A	N/A		Present on ECT diagram only.
E5	5	ACT	L-B	ACT	L-B		
E5	6	OD2	L-O	N/A	N/A		Present on ECT diagram only.
E5	7	OD1	R-Y	N/A	N/A		Present on ECT diagram only.
E5	8	SIL	W	SIL	W		
E5	10	2	P	N/A	N/A		Present on ECT diagram only.
E5	11	IDLO	LG-R	IDLO	LG-R		
E5	12	SP1	G-O	SP1	G-O		
E5	14	BATT	B-Y	BATT	B-Y		
E5	15	R	R-B	N/A	N/A		Present on ECT diagram only.
E5	16	AC1	L-Y	AC1	L-Y		
E5	23	+B	W-R	+B	W-R		
E5	24	BK	W	BK	W		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E6	2	EVP	W-G	EVP	W-G		
E6	3	W	V-R	W	V-R		
E6	5	TE1	R	TE1	R		
E6	6	OIL-W	V	N/A	N/A		4WD A/T only. Present on ECT diagram only.
E6	7	E3	BR-W	E3	BR-W		
E6	8	TPC	GR-G	TPC	GR-G		
E6	9	TFN	R-G	TFN	R-G		4WD A/T ONLY
E6	10	HT2	R-W	HT2	R-G		R-W (A/T) R-G (M/T)
E6	11	HT1	P-L	HT1	P-L		
E6	12	EGR	R-W	EGR	R-W		2WD ONLY EXCEPT PRERUNNER
E6	13	PTNK	R-Y	PTNK	R-Y		
E6	14	THG	P-G	THG	P-G		2WD ONLY EXCEPT PRERUNNER
E6	16	E1	BR	E1	BR		
E7	1	VC	G-B	VC	G-B		
E7	4	SP2-	W-R	N/A	N/A		Present on ECT diagram only.
E7	5	NE+	R	NE+	R		
E7	6	NE-	G	NE-	G		
E7	7	VTA	Y	VTA	Y		
E7	8	VG	GR-R	VG	GR-R		
E7	9	SP2+	Y-R	N/A	N/A		Present on ECT diagram only.
E7	12	PWR	G	N/A	N/A		Present on ECT diagram only.
E7	13	OX1	W	OX1	W		
E7	14	KNK2	GR	KNK2	GR		

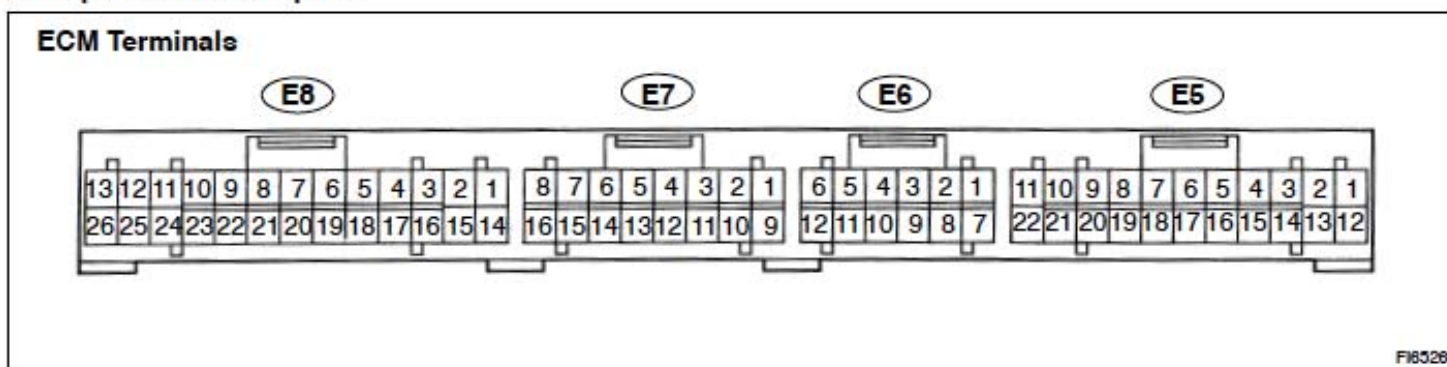
Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E7	15	KNK1	B	KNK1	B		
E7	17	G+	Y	G+	Y		
E7	18	FC	G-Y	FC	G-Y		
E7	19	OX2	B	OX2	B		
E7	20	THW	G-R	THW	G-R		
E7	21	THA	Y-G	THA	Y-G		
E7	22	E2	BR-B	E2	BR-B		
E8	1	4WD	R-W	4WD	R-W		
E8	2	L4	GR	L4	GR		
E8	5	#60	L	#60	L		
E8	6	#50	W-L	#50	W-L		
E8	7	#40	L-R	#40	L-R		
E8	8	#30	W-G	#30	W-G		
E8	9	#20	W	#20	W		
E8	10	#10	W-R	#10	W-R		
E8	11	S1	V-Y	N/A	N/A		Present on ECT diagram only.
E8	12	IGF	B-Y	IGF	B-Y		
E8	13	STA	B-W	STA	B-W		
E8	14	NSW	B-R	NSW	B-R		
E8	15	IGT3	W	IGT3	W		
E8	16	IGT2	BR-Y	IGT2	BR-Y		
E8	17	S2	LG	N/A	N/A		Present on ECT diagram only.
E8	22	RSC	B-R	RSC	B-R		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E8	23	RSO	BR-R	RSO	BR-R		
E8	24	IGT1	B-L	IGT1	B-L		
E8	27	SL	R-G	N/A	N/A		Present on ECT diagram only.
E8	28	E03	BR	E03	BR		
E8	30	OIL	Y-R	N/A	N/A		Present on ECT diagram only.
E8	31	PSW	Y	PSW	Y		
E8	33	E02	BR	E02	BR		

California Spec.:



Except California Spec.:



IMPORTANT NOTE: This table **ONLY** covers California spec ECUs. Non-California spec ECU illustration included for only clarification purposes, so you can tell which ECU you have.

NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

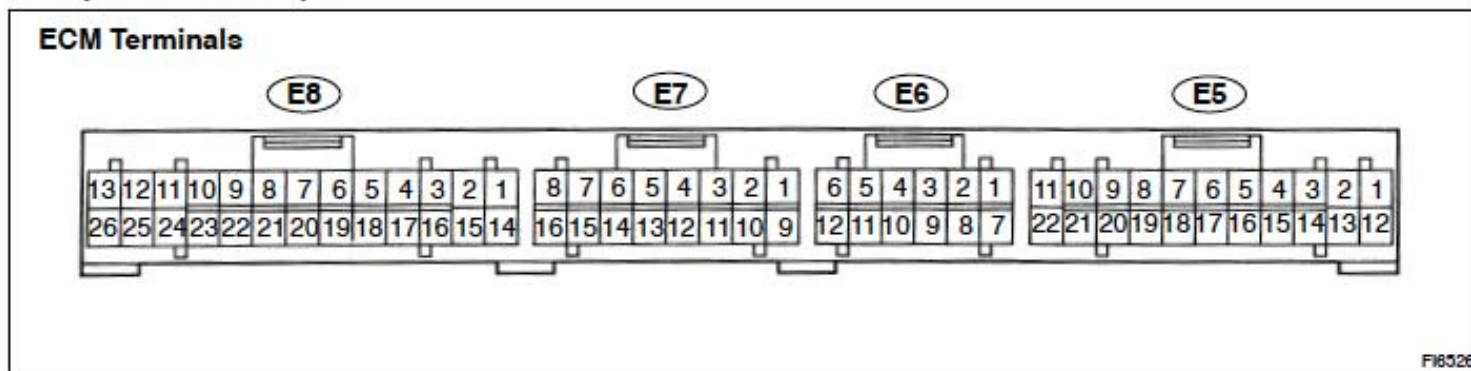
Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	1	BATT	B-Y	BATT	B-Y		
E5	2	R	R-B	N/A	N/A		
E5	3	L	V-W	N/A	N/A		
E5	4	2	P	N/A	N/A		
E5	5	OILW	V	N/A	N/A		
E5	6	W	V-R	W	V-R		
E5	7	STA	B-W	STA	B-W		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	9	TFN	R-G	TFN	R-G		4WD A/T
E5	10	ODLP	L-O	N/A	N/A		
E5	11	OD1	R-Y	N/A	N/A		
E5	12	SIL	W	SIL	W		
E5	13	AC1	L-Y	AC1	L-Y		
E5	14	ACT	L-B	ACT	L-B		
E5	15	STP	G-W	STP	G-W		
E5	16	+B	W-R	+B	W-R		
E5	17	PWR	G	N/A	N/A		
E5	19	L4	GR	L4	GR		4WD A/T
E5	21	SP1	G-O	SP1	G-O		
E5	22	NSW	B-R	NSW	B-R		A/T
E6	5	IDLO	LG-R	IDLO	LG-R		
E6	6	FC	G-Y	FC	G-Y		
E6	7	TE1	V-W	TE1	V-W		
E6	8	PTNK	R-Y	PTNK	R-Y		
E6	10	4WD	R-W	4WD	R-W		4WD
E6	13	TAC	B	TAC	B		W/TACH
E6	14	SP2+	Y-R	N/A	N/A		
E6	23	SP2-	W-R	N/A	N/A		
E6	25	ODMS	G	N/A	N/A		
E6	28	PSW	Y	PSW	Y		
E7	2	VC	G-Y	VC	G-Y		

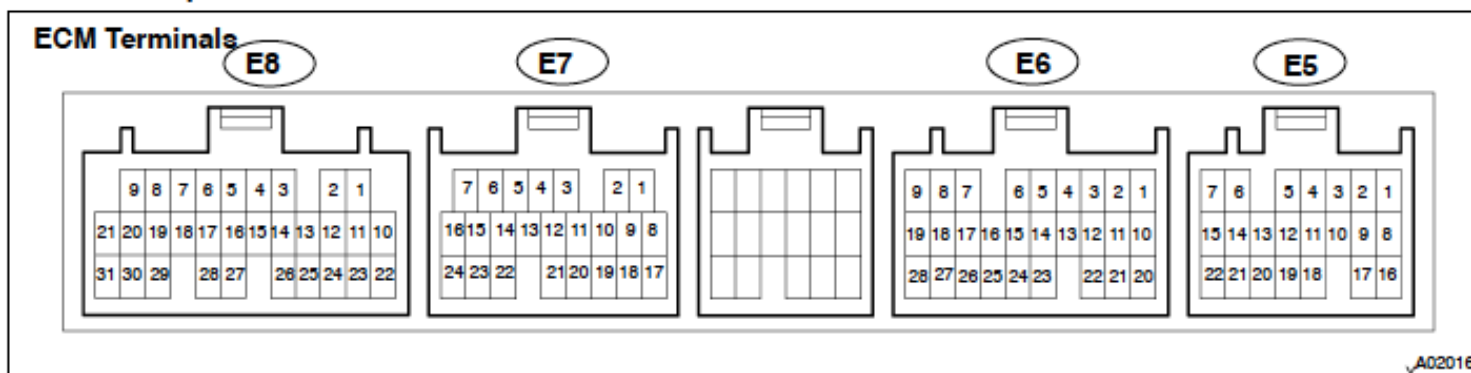
Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E7	3	HTS	R-W	HTS	R-W		
E7	4	HAFL	W	HAFL	W		
E7	5	EGR	P-B	EGR	P-B		
E7	6	EVP1	W-G	EVP1	W-G		
E7	7	TPC	GR-G	TPC	GR-G		
E7	9	VTA	B-L	VTA	B-L		
E7	10	OXS	B	OXS	B		
E7	11	AFL+	W	AFL+	W		
E7	12	THW	G-R	THW	G-R		
E7	14	VG	GR-R	VG	GR-R		
E7	15	g2	Y	g2	Y		
E7	16	NE+	R	NE+	R		
E7	17	E1	BR	E1	BR		
E7	18	E2	BR-B	E2	BR-B		
E7	19	THG	P	THG	P		
E7	20	AFL-	R	AFL-	R		
E7	21	THA	Y-G	THA	Y-G		
E7	22	E2G	BR-W	E2G	BR-W		
E7	24	NE-	G	NE-	G		
E8	1	#10	W-R	#10	W-R		
E8	2	#20	W	#20	W		
E8	3	#30	R	#30	R		
E8	4	#40	R-L	#40	R-L		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E8	5	E03	BR	E03	BR		
E8	6	E04	W-B	E04	W-B		
E8	7	S1	V-Y	N/A	N/A		
E8	8	S2	LG	N/A	N/A		
E8	9	SL	R-G	N/A	N/A		
E8	10	IGF	B-Y	IGF	B-Y		
E8	11	IGT1	B-L	IGT1	B-L		
E8	12	IGT2	B-W	IGT2	B-W		
E8	13	IGT3	L-R	IGT3	L-R		
E8	14	IGT4	L-Y	IGT4	L-Y		
E8	15	RSD	B-R	RSD	B-R		
E8	21	E01	BR	E01	BR		
E8	26	OIL	Y-R	N/A	N/A		
E8	28	KNK1	GR	KNK1	GR		
E8	31	E02	BR	E02	BR		

Except California Spec.:



California Spec.:



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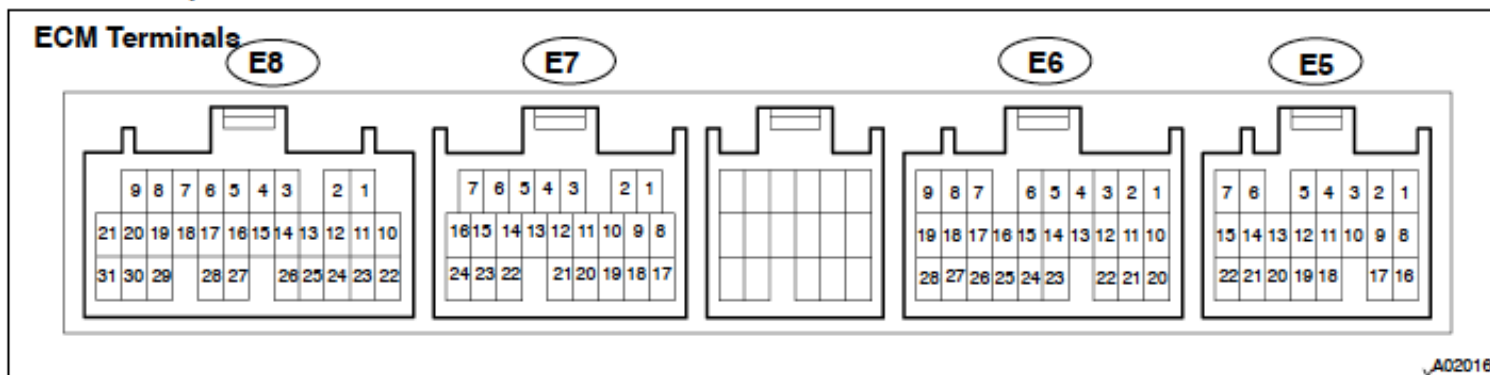
Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	2	BATT	B-Y	BATT	B-Y		
E5	3	OILW	V	N/A	N/A		
E5	4	W	V-R	W	V-R		
E5	5	ODLP	L-O	N/A	N/A		
E5	6	ACT	L-B	ACT	L-B		
E5	7	AC1	L-Y	AC1	L-Y		
E5	8	SP1	G-O	SP1	G-O		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	10	4WD	R-W	4WD	R-W		TRANSFER 4WD POSITION DETECTION SWITCH
E5	11	STA	B-W	STA	B-W		
E5	12	+B	W-R	+B	W-R		
E5	13	TFN	R-G	TFN	R-G		TRANSFER NEUTRAL POSITION DETECTION
E5	14	PWR	G	N/A	N/A		
E5	15	L	V-W	N/A	N/A		
E5	16	2	P	N/A	N/A		
E5	17	R	R-B	N/A	N/A		
E5	18	OD1	R-Y	N/A	N/A		
E5	19	SIL	W	SIL	W		
E5	21	BK	G-W	BK	G-W		
E5	22	NSW	B-R	NSW	B-R		A/T
E6	1	ODMS	G	N/A	N/A		
E6	3	SP2-	W-R	N/A	N/A		
E6	5	G-	L	G-	L		
E6	6	NE-	G	NE-	G		
E6	7	E3	BR-W	E3	BR-W		
E6	9	SP2+	Y-R	N/A	N/A		
E6	10	PTNK	R-Y	PTNK	R-Y		
E6	11	G	Y	G	Y		
E6	12	NE	R	NE	R		
E7	1	VC	G-Y	VC	G-Y		
E7	2	VG	GR-R	VG	GR-R		

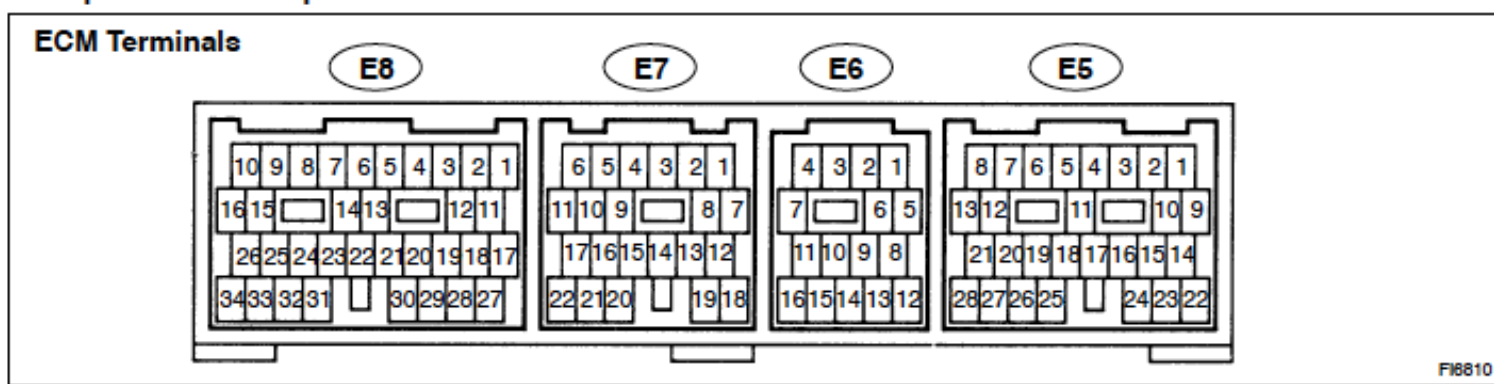
Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E7	3	THA	Y-G	THA	Y-G		
E7	4	THW	G-R	THW	G-R		
E7	5	OX1	W	OX1	W		
E7	7	TE1	V-W	TE1	V-W		
E7	8	TPC	GR-G	TPC	GR-G		
E7	9	E2	BR-B	E2	BR-B		
E7	10	VTA	Y	VTA	Y		
E7	11	THG	P	THG	P		
E7	12	KNK	GR	KNK	GR		
E7	13	OX2	B	OX2	B		
E7	15	EGR	P-B	EGR	P-B		
E8	1	HT2	R-W	HT2	R-W		
E8	2	HT1	R-B	HT1	R-B		
E8	3	EVP	W-G	EVP	W-G		
E8	4	IDLO	LG-R	IDLO	LG-R		
E8	6	RSC	B	RSC	B		
E8	7	RSO	B-R	RSO	B-R		
E8	8	S1	V-Y	N/A	N/A		
E8	9	#40	R-L	#40	R-L		
E8	10	#30	R	#30	R		
E8	11	#20	W	#20	W		
E8	12	#10	W-R	#10	W-R		
E8	13	E01	BR	E01	BR		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E8	14	FC	G-Y	FC	G-Y		
E8	15	TAC	B	TAC	B		VEHICLES W/TACH
E8	16	OIL	Y-R	N/A	N/A		
E8	17	IGF	B-Y	IGF	B-Y		
E8	18	L4	GR	L4	GR		TRANSFER 4WD-LO POSITION DETECTION
E8	20	SL	R-G	N/A	N/A		
E8	21	S2	LG	N/A	N/A		
E8	22	IGT2	BR-Y	IGT2	BR-Y		
E8	23	IGT1	B-L	IGT1	B-L		
E8	24	E1	BR	E1	BR		
E8	25	E03	BR	E03	BR		
E8	26	E02	BR	E02	BR		

California Spec.:



Except California Spec.:



IMPORTANT NOTE: This table ONLY covers California spec ECUs. The Non-California spec ECU illustration is included so you can tell which ECU you have.

NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

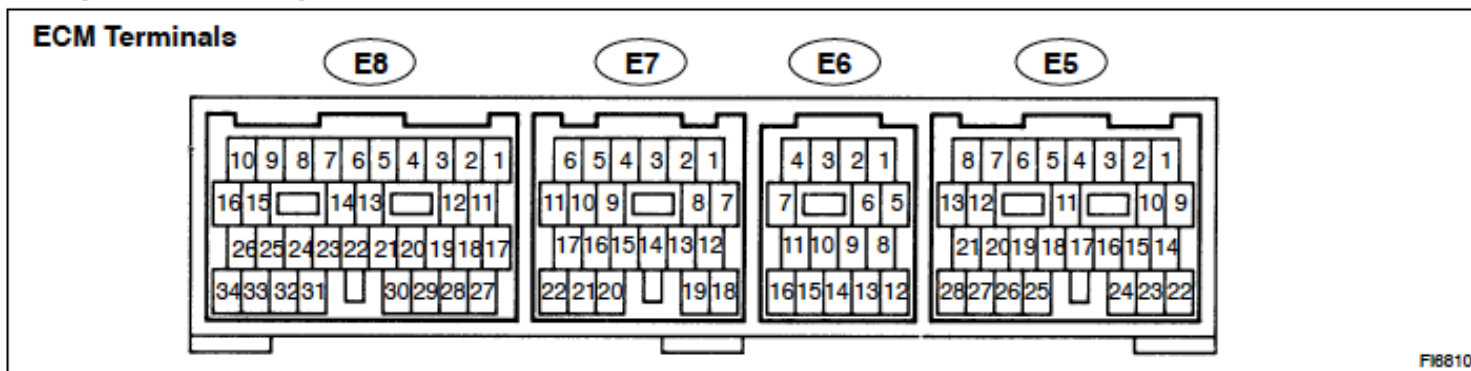
Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	1	BATT	B-Y	BATT	B-Y		
E5	2	IGSW	B-R	IGSW	B-R		
E5	3	FC	G-Y	FC	G-Y		
E5	6	W	V-R	W	V-R		
E5	7	STA	B-W	STA	B-W		
E5	8	MREL	B-O	MREL	B-O		
E5	9	TPC	GR-G	TPC	GR-G		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	11	SIL	W	SIL	W		
E5	15	STP	G-W	STP	G-W		
E5	16	+B	W-R	+B	W-R		
E5	17	PTNK	R-G	PTNK	R-G		
E6	2	R	R-B	N/A	N/A		
E6	3	2	P	N/A	N/A		
E6	4	IDLO	LG-R	IDLO	LG-R		
E6	6	ODMS	G	N/A	N/A		
E6	7	OIL-W	V	N/A	N/A		4WD FLOOR A/T
E6	8	OXS	B	OXS	B		
E6	9	HTS	R-L	HTS	R-L		
E6	10	ODLP	L-O	N/A	N/A		
E6	12	L	V-W	N/A	N/A		
E6	13	ACT	L-B	ACT	L-B		
E6	17	TFN	R-G	TFN	R-G		A/T
E6	18	4WD	GR	4WD	GR		4WD
E6	19	L4	GR	L4	GR		A/T, 4WD ONLY
E6	20	NSW	B-R	NSW	B-R		A/T
E6	22	SP1	G-O	SP1	G-O		
E6	24	OD1	R-Y	N/A	N/A		
E6	25	AC1	L-Y	AC1	L-Y		
E7	2	VC	G-B	VC	G-B		
E7	4	HTAF1	W	HTAF1	W		

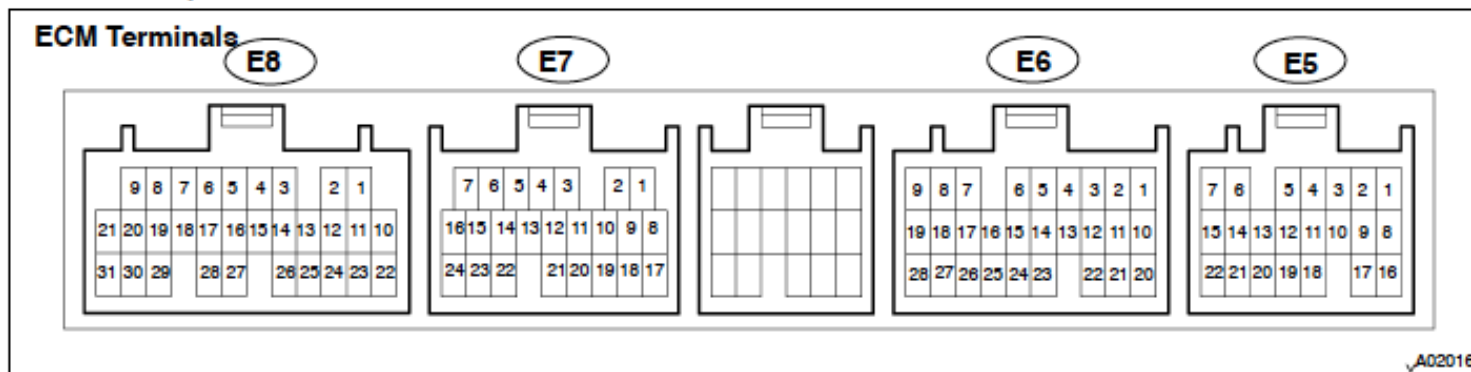
Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E7	5	#10	W-R	#10	W-R		
E7	6	#20	W	#20	W		
E7	7	EVP1	W-G	EVP1	W-G		
E7	8	E05	BR	E05	BR		
E7	9	PSW	Y	PSW	Y		
E7	10	VG	GR-R	VG	GR-R		
E7	12	AF1+	W	AF1+	W		
E7	14	THW	G-R	THW	G-R		
E7	15	OIL	Y-R	N/A	N/A		
E7	16	NE+	R	NE+	R		
E7	17	E1	BR	E1	BR		
E7	18	E2	BR-B	E2	BR-B		
E7	19	E2G	B-L	E2G	B-L		
E7	21	AF-	R	AF-	R		
E7	22	THA	Y-G	THA	Y-G		
E7	23	VTA	Y	VTA	Y		
E7	24	NE-	G	NE-	G		
E8	1	#30	W-G	#30	W-G		
E8	2	#40	L-R	#40	L-R		
E8	3	#50	W-L	#50	W-L		
E8	4	#60	L	#60	L		
E8	6	TE1	R	TE1	R		
E8	7	S1	V	N/A	N/A		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E8	8	S2	LG	N/A	N/A		
E8	9	SL	R	N/A	N/A		
E8	10	G2	Y	G2	Y		
E8	11	IGT1	B-L	IGT1	B-L		
E8	12	IGT2	BR-Y	IGT2	BR-Y		
E8	13	IGT3	B-W	IGT3	B-W		
E8	14	SP2+	Y-R	N/A	N/A		
E8	15	RSC	B-R	RSC	B-R		
E8	16	RSO	BR-B	RSO	BR-B		
E8	21	E01	BR	E01	BR		
E8	22	PWR	G	N/A	N/A		
E8	25	IGF	B-Y	IGF	B-Y		
E8	26	SP2-	W-R	N/A	N/A		
E8	27	KNK1	B	KNK1	B		
E8	28	KNK2	GR	KNK2	GR		
E8	30	E03	BR	E03	BR		
E8	31	E02	BR	E02	BR		

Except California Spec.:



California Spec.:



IMPORTANT NOTE: This table ONLY covers non-California spec ECUs. California spec ECU illustration included for only clarification purposes, so you can tell which ECU you have.

NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	1	L	V-W	N/A	N/A		
E5	5	ACT	L-B	ACT	L-B		
E5	6	ODLP	L-O	N/A	N/A		
E5	7	OD1	R-Y	N/A	N/A		
E5	8	SIL	W	SIL	W		
E5	10	2	P	N/A	N/A		
E5	11	IDLO	LG-R	IDLO	LG-R		

2000 Tacoma 5VZ-FE Federal 4x4 ECM terminals, automatic vs. manual

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	12	SP1	G-O	SP1	G-O		
E5	14	BATT	B-Y	BATT	B-Y		
E5	15	R	R-B	N/A	N/A		
E5	16	AC1	L-Y	AC1	L-Y		
E5	22	ODMS	G	N/A	N/A		
E5	23	+B	W-R	+B	W-R		
E5	24	BK	G-W	BK	G-W		
E6	2	EVP	W-G	EVP	W-G		
E6	3	W	V-R	W	V-R		
E6	5	TE1	R	TE1	R		
E6	6	OILW	V	N/A	N/A		4WD
E6	7	E3	BR-W	E3	BR-W		
E6	8	TPC	GR-G	TPC	GR-G		
E6	9	TFN	R-G	TFN	R-G		A/T + 4WD
E6	10	HT2	R-G	HT2	R-G		A/T: WIRE COLOR IS R-W
E6	11	HT1	P-G	HT1	P-G		
E6	13	PTNK	R-Y	PTNK	R-Y		
E6	16	E1	BR	E1	BR		
E7	1	VCC	G-B	VCC	G-B		
E7	4	SP2-	W-R	N/A	N/A		
E7	5	NE+	R	NE+	R		
E7	6	NE-	G	NE-	G		
E7	7	VTA	Y	VTA	Y		

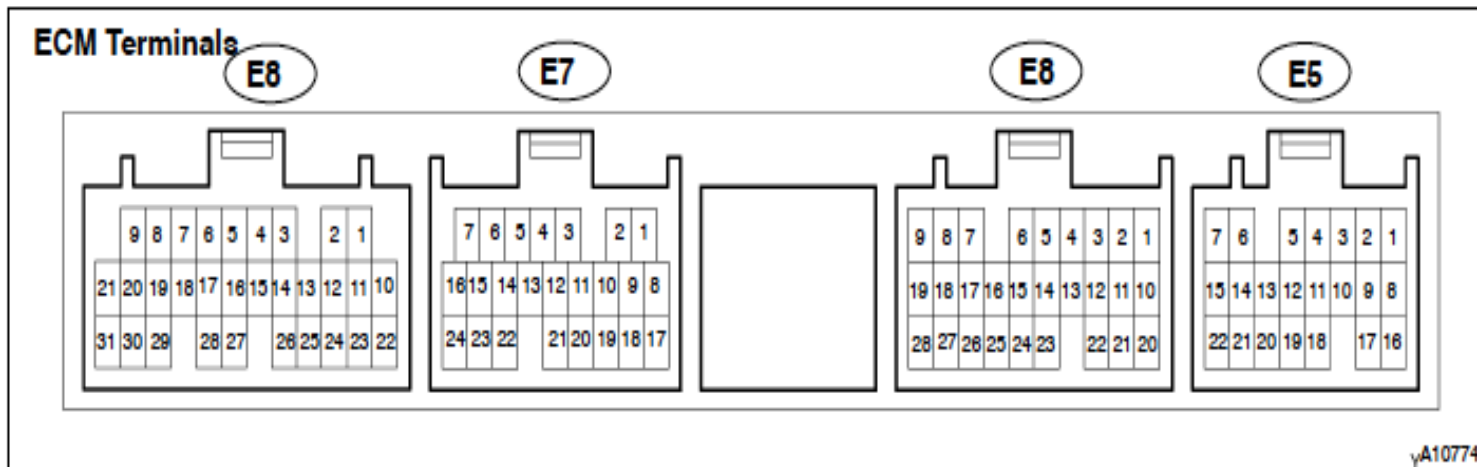
2000 Tacoma 5VZ-FE Federal 4x4 ECM terminals, automatic vs. manual

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E7	8	VG	GR-R	VG	GR-R		
E7	9	SP2+	Y-R	N/A	N/A		
E7	12	PWR	G	N/A	N/A		
E7	13	OX1	W	OX1	W		
E7	14	KNK2	GR	KNK2	GR		
E7	15	KNK1	B	KNK1	B		
E7	17	G+	Y	G+	Y		
E7	18	FC	G-Y	FC	G-Y		
E7	19	OX2	B	OX2	B		
E7	20	THW	G-R	THW	G-R		
E7	21	THA	Y-G	THA	Y-G		
E7	22	E2	BR-B	E2	BR-B		
E8	1	4WD	R-W	4WD	R-W		4WD
E8	2	L4	GR	L4	GR		A/T + 4WD
E8	5	#60	L	#60	L		
E8	6	#50	W-L	#50	W-L		
E8	7	#40	L-R	#40	L-R		
E8	8	#30	W-G	#30	W-G		
E8	9	#20	W	#20	W		
E8	10	#10	W-R	#10	W-R		
E8	11	S1	V-Y	N/A	N/A		
E8	12	IGF	B-Y	IGF	B-Y		
E8	13	STA	B-W	STA	B-W		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E8	14	NSW	B-R	NSW	B-R		A/T
E8	15	IGT3	B-W	IGT3	B-W		
E8	16	IGT2	BR-Y	IGT2	BR-Y		
E8	17	S2	LG	N/A	N/A		
E8	22	RSC	B-R	RSC	B-R		
E8	23	RSO	BR-R	RSO	BR-R		
E8	24	IGT1	B-L	IGT1	B-L		
E8	27	SL	R-G	N/A	N/A		
E8	28	E03	BR	E03	BR		
E8	30	OIL	Y-R	N/A	N/A		
E8	31	PSW	Y	PSW	Y		
E8	33	E02	BR	E02	BR		
E8	34	E01	BR	E01	BR		

2001 Tacoma 3RZ-FE 4x4 ECM terminals, automatic vs. manual

All data compiled from the 2001 factory service manual wiring guide



NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	1	BATT	B-Y	BATT	B-Y		
E5	2	R	R-B	N/A	N/A		
E5	3	L	R	N/A	N/A		
E5	4	2	P	N/A	N/A		
E5	5	OILW	O (4WD)	N/A	N/A		
E5	6	W	V-R	W	V-R		
E5	7	STA	B-W	STA	B-W		
E5	9	TFN	L	N/A	N/A		
E5	10	ODLP	L-O	N/A	N/A		
E5	11	OD1	R-Y	N/A	N/A		
E5	12	SIL	W	SIL	W		
E5	13	AC1	L-Y	AC1	L-Y		
E5	14	ACT	L-B	ACT	L-B		

2001 Tacoma 3RZ-FE 4x4 ECM terminals, automatic vs. manual

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	15	STP	G-W	STP	G-W		
E5	16	+B	W-R	+B	W-R		
E5	17	PWR	G	N/A	N/A		
E5	19	L4	GR	L4	GR		
E5	20	ELS	G-R	ELS	G-R		
E5	21	SP1	G-O	SP1	G-O		
E5	22	NSW	B-Y	NSW	B-Y		
E6	5	IDLO	LG-R	IDLO	LG-R		
E6	6	FC	W-L	FC	W-L		
E6	7	TC	R	TC	R		
E6	8	PTNK	R-Y	PTNK	R-Y		
E6	10	4WD	G-B	4WD	G-B		
E6	13	TAC	LG-B	TAC	LG-B		
E6	14	SP2+	Y-R	N/A	N/A		
E6	23	SP2-	W-R	N/A	N/A		
E6	25	ODMS	L-B	N/A	N/A		
E6	28	PSSW	Y	PSSW	Y		
E7	2	VC	G-Y	VC	G-Y		
E7	3	HTS	R-W	HTS	R-W		
E7	4	AFHT	W	AFHT	W		
E7	5	EGR	R-B	EGR	R-B		
E7	6	EVP	W-G	EVP	W-G		
E7	7	TPC	G-B	TPC	G-B		

2001 Tacoma 3RZ-FE, version 2001

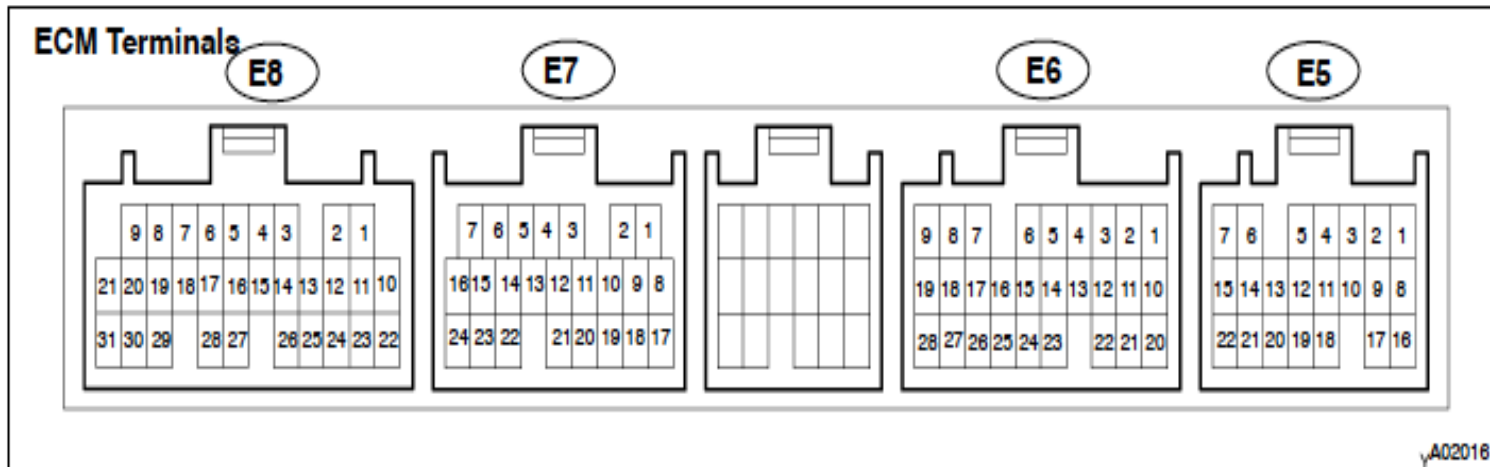
2001 Tacoma 3RZ-FE 4x4 ECM terminals, automatic vs. manual

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E7	9	VTA	Y	VTA	Y		
E7	10	OXS	B	OXS	B		
E7	11	AF+	V	AF+	V		
E7	12	THW	G-R	THW	G-R		
E7	14	VG	GR	VG	GR		
E7	15	G2+	R	G2+	R		
E7	16	NE+	L	NE+	L		
E7	17	E1	BR	E1	BR		
E7	18	E2	LG	E2	LG		
E7	19	THG	P-L	THG	P-L		
E7	20	AF-	P	AF-	P		
E7	21	THA	Y-G	THA	Y-G		
E7	22	EVG	B-W	EVG	B-W		
E7	24	NE-	G	NE-	G		
E8	1	#10	W-R	#10	W-R		
E8	2	#20	W	#20	W		
E8	3	#30	R	#30	R		
E8	4	#40	R-L	#40	R-L		
E8	5	E03	W-B	E03	W-B		
E8	6	E04	W-B	E04	W-B		
E8	7	S1	V	N/A	N/A		
E8	8	S2	LG	N/A	N/A		
E8	9	SL	R-W	N/A	N/A		

2001 Tacoma 3RZ-FE, version 2001

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E8	10	IGF	B-Y	IGF	B-Y		
E8	11	IGT1	B-L	IGT1	B-L		
E8	12	IGT2	L	IGT2	L		
E8	13	IGT3	L-R	IGT3	L-R		
E8	14	IGT4	L-Y	IGT4	L-Y		
E8	15	RSD	B-R	RSD	B-R		
E8	21	E01	W-B	E01	W-B		
E8	26	THO	Y-R	N/A	N/A		
E8	28	KNK	B	KNK	B		
E8	31	E02	W-B	E02	W-B		

2001 Tacoma 5VZ-FE 4x4 ECM terminals, automatic vs. manual
All data compiled from the 2001 factory service manual wiring guide



NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	1	BATT	B-Y	BATT	B-Y		
E5	2	IGSW	B-W	IGSW	B-W		
E5	3	FC	W-L	FC	W-L		
E5	6	W	V-R	W	V-R		
E5	7	STA	B-W	STA	B-W		
E5	8	MREL	B-O	MREL	B-O		
E5	9	TPC	G-B	TPC	G-B		
E5	11	SIL	W	SIL	W		
E5	15	STP	G-W	STP	G-W		
E5	16	+B	W-R	+B	W-R		
E5	17	PTNK	R-Y	PTNK	R-Y		
E6	2	R	R-B	N/A	N/A		
E6	3	2	P	N/A	N/A		

2001 Tacoma 5VZ-FE 4x4 ECM terminals, automatic vs. manual

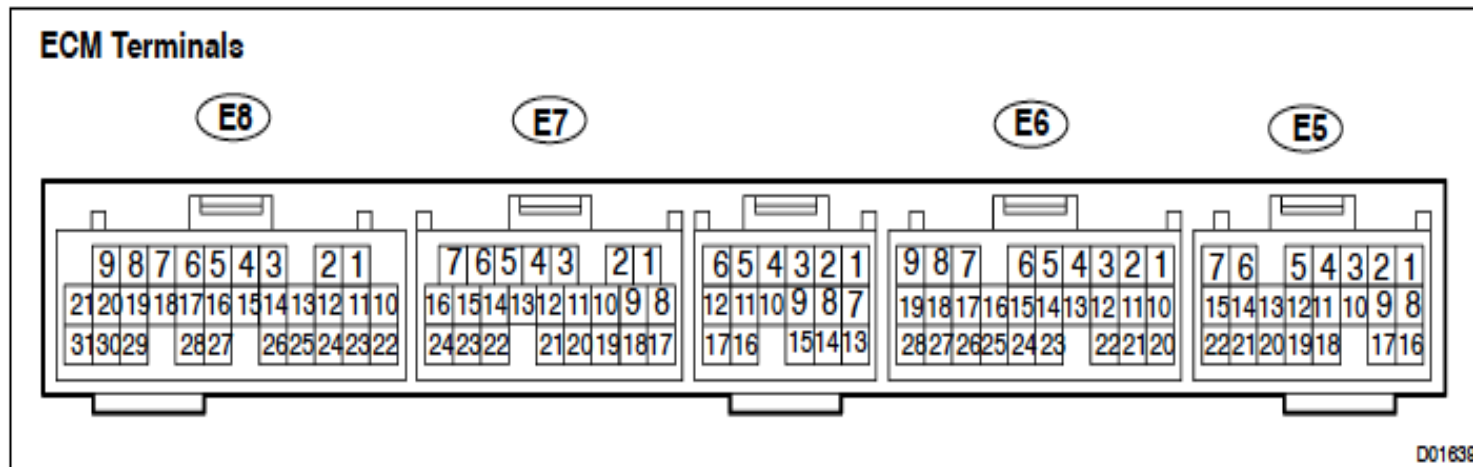
Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E6	4	IDLO	LG-R	IDLO	LG-R		
E6	6	ODMS	LG	N/A	N/A		
E6	7	OIL-W	O	N/A	N/A		
E6	8	OXS	B	OXS	B		
E6	9	HTS	R-W	HTS	R-W		
E6	10	ODLP	L-O	N/A	N/A		
E6	12	L	R	N/A	N/A		
E6	13	ACT	L-B	ACT	L-B		
E6	17	TFN	L	N/A	N/A		
E6	18	4WD	G-B	4WD	G-B		
E6	19	L4	GR	L4	GR		
E6	20	NSW	B-Y	NSW	B-Y		NEUTRAL SAFETY SWITCH; A/T ONLY
E6	22	SP1	G-O	SP1	G-O		
E6	24	OD1	R-Y	N/A	N/A		
E6	25	AC1	L-Y	AC1	L-Y		
E7	2	VC	G-B	VC	G-B		
E7	4	HTAF1	W	HTAF1	W		
E7	5	#10	W-R	#10	W-R		
E7	6	#20	B	#20	B		
E7	7	EVP1	W-G	EVP1	W-G		
E7	8	E05	W-B	E05	W-B		
E7	9	PSW	B	PSW	B		
E7	10	VG	GR	VG	GR		

2001 Tacoma 5VZ-FE, version 1.0

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E7	12	AF1+	V	AF1+	V		
E7	14	THW	G-R	THW	G-R		
E7	15	OIL	Y-R	N/A	N/A		
E7	16	NE+	L	NE+	L		
E7	17	E1	BR	E1	BR		
E7	18	E2	LG	E2	LG		
E7	19	E2G	B-W	E2G	B-W		
E7	21	AF-	P	AF-	P		
E7	22	THA	Y-G	THA	Y-G		
E7	23	VTA	Y	VTA	Y		
E7	24	NE-	G	NE-	G		
E8	1	#30	R	#30	R		
E8	2	#40	L-R	#40	L-R		
E8	3	#50	W-L	#50	W-L		
E8	4	#60	L	#60	L		
E8	6	TE1	R	TE1	R		
E8	7	S1	V	N/A	N/A		
E8	8	S2	LG	N/A	N/A		
E8	9	SL	R-W	N/A	N/A		
E8	10	G2	R	G2	R		
E8	11	IGT1	B-L	IGT1	B-L		
E8	12	IGT2	G-B	IGT2	G-B		
E8	13	IGT3	B-W	IGT3	B-W		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E8	14	SP2+	Y-R	N/A	N/A		
E8	15	RSC	B-R	RSC	B-R		
E8	16	RSO	L-B	RSO	L-B		
E8	21	E01	W-B	E01	W-B		
E8	22	PWR	G	N/A	N/A		
E8	25	IGF	B-Y	IGF	B-Y		
E8	26	SP2-	W-R	N/A	N/A		
E8	27	KNK1	B	KNK1	B		
E8	28	KNK2	GR	KNK2	GR		
E8	30	E03	W-B	E03	W-B		
E8	31	E02	W-B	E02	W-B		

3RZ-FE:



NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

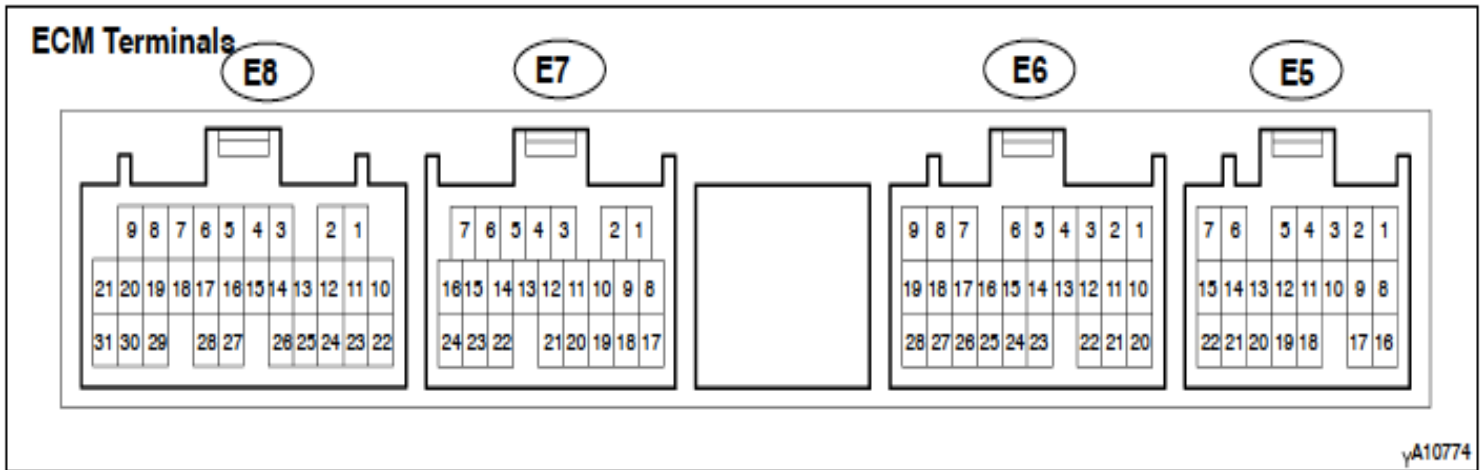
Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	1	BATT	B-Y	BATT	B-Y		
E5	2	R	R-B	N/A	N/A		Present on ECT diagram only.
E5	3	L	R	N/A	N/A		Present on ECT diagram only.
E5	4	2	P	N/A	N/A		Present on ECT diagram only.
E5	5	OIL-W	O (4WD)	N/A	N/A		This was for 4WD/Automatic vehicles (OEM trans cooler).
E5	6	W	V-R	W	V-R		
E5	7	STA	B-W	STA	B-W		
E5	9	TFN	L	N/A	N/A		Present on ECT diagram only.
E5	10	ODLP	L-O	N/A	N/A		Present on ECT diagram only.
E5	11	OD1	R-Y	N/A	N/A		Present on ECT diagram only.
E5	12	SIL	W	SIL	W		
E5	13	AC1	L-Y	AC1	L-Y		
E5	14	ACT	L-B	ACT	L-B		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	15	STP	G-W	STP	G-W		
E5	16	+B	W-R	+B	W-R		
E5	17	PWR	G	N/A	N/A		Present on ECT diagram only.
E5	20	ELS	G-R	ELS	G-R		
E5	21	SP1	G-O	SP1	G-O		
E5	22	NSW	B-Y	NSW	B-Y		
E6	4	HAFL	W	HAFL	W		
E6	5	IDLO	LG-R	IDLO	LG-R		
E6	6	FC	W-L	FC	W-L		
E6	7	TC	Y-B	TC	Y-B		
E6	8	PTNK	R-Y	PTNK	R-Y		
E6	10	4WD	GR	4WD	GR		
E6	11	AF+	V	AF+	V		
E6	13	TAC	LG-B	TAC	LG-B		
E6	14	SP2+	Y-R	N/A	N/A		Present on ECT diagram only.
E6	23	SP2-	W-R	N/A	N/A		Present on ECT diagram only.
E6	25	ODMS	L-B	N/A	N/A		Present on ECT diagram only.
E6	28	PSW	Y	PSW	Y		
E7	1	CCV	R-L	CCV	R-L		
E7	2	VC	G-Y	VC	G-Y		
E7	3	HT1B	R-W	HT1B	R-W		
E7	5	EGR	R-B	EGR	R-B		
E7	6	EVP1	W-G	EVP1	W-G		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E7	7	TBP	G-B	TBP	G-B		
E7	9	VTA	Y	VTA	Y		
E7	10	NSW	OX1B	NSW	OX1B		
E7	12	THW	G-R	THW	G-R		
E7	14	VG	GR	VG	GR		
E7	15	G2	R	G2	R		
E7	16	NE+	L	NE+	L		
E7	17	E1	BR	E1	BR		
E7	18	E2	L-B	E2	L-B		
E7	19	THG	P-L	THG	P-L		
E7	20	AF-	P	AF-	P		
E7	21	THA	Y-G	THA	Y-G		
E7	22	E2G	B-W	E2G	B-W		
E7	24	NE-	G	NE-	G		
E8	1	#10	W-R	#10	W-R		
E8	2	#20	W	#20	W		
E8	3	#30	R	#30	R		
E8	4	#40	R-L	#40	R-L		
E8	5	E03	W-B	E03	W-B		
E8	6	E04	W-B	E04	W-B		
E8	7	S1	V	N/A	N/A		Present on ECT diagram only.
E8	8	S2	LG	N/A	N/A		Present on ECT diagram only.
E8	9	SL	R-W	N/A	N/A		Present on ECT diagram only.

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E8	10	IGF	B-Y	IGF	B-Y		
E8	11	IGT1	B-L	IGT1	B-L		
E8	12	IGT2	L	IGT2	L		
E8	13	IGT3	L-R	IGT3	L-R		
E8	14	IGT4	L-Y	IGT4	L-Y		
E8	15	RSD	B-R	RSD	B-R		
E8	21	E01	W-B	E01	W-B		
E8	26	THO	Y-R	N/A	N/A		Present on ECT diagram only.
E8	28	KNK1	B	KNK1	B		
E8	31	E02	W-B	E02	W-B		

2002 Tacoma 5VZ-FE 4x4 ECM terminals, automatic vs. manual
All data compiled from the 2002 factory service manual wiring guide
The data for the 2002 Tacoma has been physically verified, wire by wire



NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	1	+B	W-R	+B	W-R		
E5	2	W	V-R	W	V-R		This is correct and the A/T FSM is wrong; the +B wire is on E5-1, the W wire (color V-R) is on E5-2
E5	3	ACT	L-B	ACT	L-B		
E5	4	MREL	B-O	MREL	B-O		
E5	5	IGSW	B-W	N/A	N/A		The FSM is incorrect; IGSW wire not present on E5-5 on the A/T harness. This pin was empty.
E5	6	SP1	G-O	SP1	G-O		
E5	7	STA	G	STA	G		
E5	9	AC1	L-Y	AC1	L-Y		
E5	13	WFSE	Y-R	WFSE	Y-R		
E5	14	SIL	W	SIL	W		
E5	15	IGSW	B-W	IGSW	B-W		
E5	16	BATT	B-Y	BATT	B-Y		
E5	17	IDLO	LG-R	IDLO	LG-R		

2002 Tacoma 5VZ-FE, version 2.0

2002 Tacoma 5VZ-FE 4x4 ECM terminals, automatic vs. manual

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Note
E5	20	STP	G-W	STP	G-W	
E5	22	FC	W-L	FC	W-L	
E6	1	PWR	G	N/A	N/A	
E6	2	L4	GR	L4	GR	
E6	3	NSW	B-Y	NSW	B-Y	
E6	4	L	R	N/A	N/A	
E6	5	2	P	N/A	N/A	
E6	6	R	R-B	N/A	N/A	
E6	10	OD1	R-Y	N/A	N/A	
E6	11	TFN	L	N/A	N/A	
E6	13	4WD	G-B	4WD	G-B	
E6	14	ODMS	LG	N/A	N/A	
E6	20	ODLP	L-O	N/A	N/A	
E6	21	OILW	O	N/A	N/A	
E7	1	#50	W-L	#50	W-L	
E7	2	IGF	B-Y	IGF	B-Y	
E7	3	#40	L-R	#40	L-R	
E7	4	#30	R	#30	R	
E7	5	#20	B	#20	B	
E7	6	#10	W-R	#10	W-R	
E7	7	TC	Y-B	TC	Y-B	Previous draft incorrect. This was missing/incorrect in the first draft of this table.
E7	8	#60	L	#60	L	
E7	9	IGT3	B-W	IGT3	B-W	

2002 Tacoma 5VZ-FE, version 2.0

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2002 Tacoma 5VZ-FE 4x4 ECM terminals, automatic vs. manual

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Note
E7	10	IGT2	LG-R	IGT2	LG-R	
E7	11	IGT1	B-L	IGT1	B-L	
E7	12	NE+	L	NE+	L	
E7	13	G2	R	G2	R	
E7	14	EVP1	W-G	EVP1	W-G	
E7	16	RSO	L-B	RSO	L-B	
E7	17	E1	BR	E1	BR	
E7	18	PSW	B	PSW	B	
E7	19	CCV	P-L	CCV	P-L	The FSM is incorrect. The CCV sensor wire is present on E7-19 on A/T as well as M/T
E7	20	TBP	G-B	TBP	G-B	
E7	21	NE-	G	NE-	G	
E7	22	SP2-	W-R	N/A	N/A	
E7	23	SP2+	Y-R	N/A	N/A	
E7	24	RSC	B-R	RSC	B-R	
E8	1	SL	R-W	N/A	N/A	
E8	2	S2	LG	N/A	N/A	
E8	3	S1	V	N/A	N/A	
E8	4	E01	W-B	E01	W-B	
E8	5	E02	W-B	E02	W-B	
E8	7	E03	W-B	E03	W-B	Previous draft incorrect. This was missing/incorrect in the first draft of this table.
E8	8	E05	W-B	E05	W-B	
E8	10	E2G	B-W	E2G	B-W	
E8	11	E2	L-B	E2	L-B	

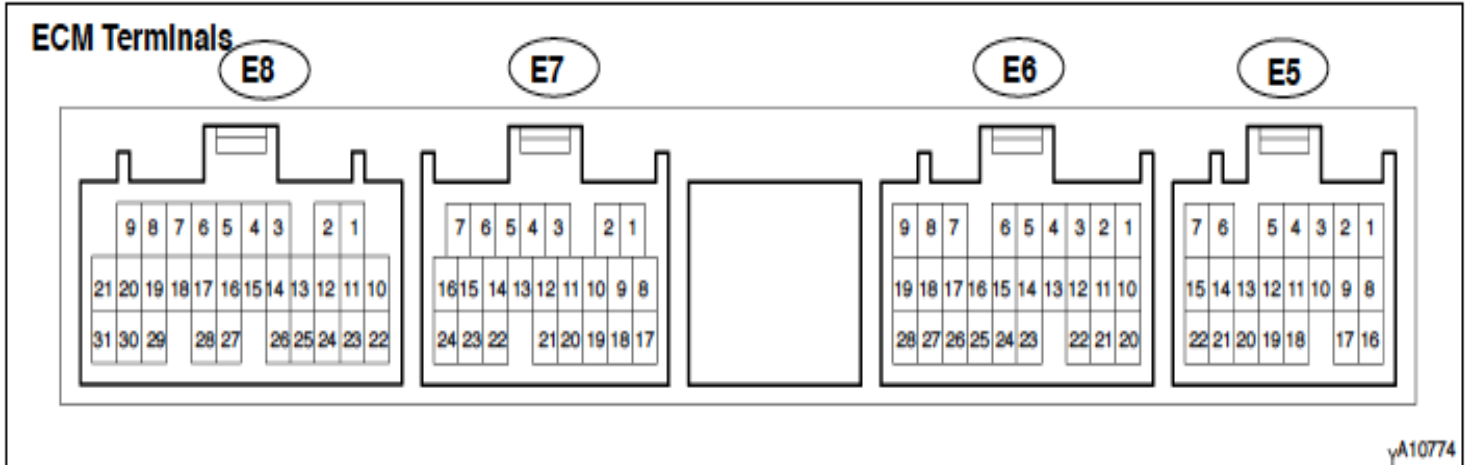
2002 Tacoma 5VZ-FE, version 2.0

2002 Tacoma 5VZ-FE 4x4 ECM terminals, automatic vs. manual

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Note
E8	12	VG	G	VG	G	
E8	13	THA	Y-G	THA	Y-G	
E8	14	AF1+	V	AF1+	V	
E8	15	VTA	Y	VTA	Y	
E8	18	THW	G-R	THW	G-R	
E8	19	OIL	Y-R	N/A	N/A	The FSM is incorrect. It places this wire on E7-19. In fact, it is on E8-19, as listed here
E8	21	HTAF1	W	HTAF1	W	Previous draft incorrect. This wire color was incorrectly identified as GR in the first draft
E8	22	KNK2	GR	KNK2	GR	
E8	23	KNK1	B	KNK1	B	
E8	24	PTNK	R-Y	PTNK	R-Y	
E8	25	VC	G-Y	VC	G-Y	
E8	26	AF1-	P	AF1-	P	
E8	27	OX2B	R	OX2B	R	
E8	29	HT2B	R-W	HT2B	R-W	

2003 Tacoma 3RZ-FE 4x4 ECM terminals, automatic vs. manual

All data compiled from the 2003 factory service manual wiring guide



NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	1	BATT	B-Y	BATT	B-Y		
E5	2	R	R-B	N/A	N/A		Present on ECT diagram only.
E5	3	L	R	N/A	N/A		Present on ECT diagram only.
E5	4	2	P	N/A	N/A		Present on ECT diagram only.
E5	5	OIL-W (4WD)	O	N/A	N/A		Present on ECT diagram only.
E5	6	W	V-R	W	V-R		
E5	7	STA	G	STA	G		
E5	9	TFN	L	N/A	N/A		Present on ECT diagram only.
E5	10	ODLP	L-O	N/A	N/A		Present on ECT diagram only.
E5	11	OD1	R-Y	N/A	N/A		Present on ECT diagram only.
E5	12	SIL	W	SIL	W		
E5	13	AC1	L-Y	AC1	L-Y		
E5	14	ACT	L-B	ACT	L-B		

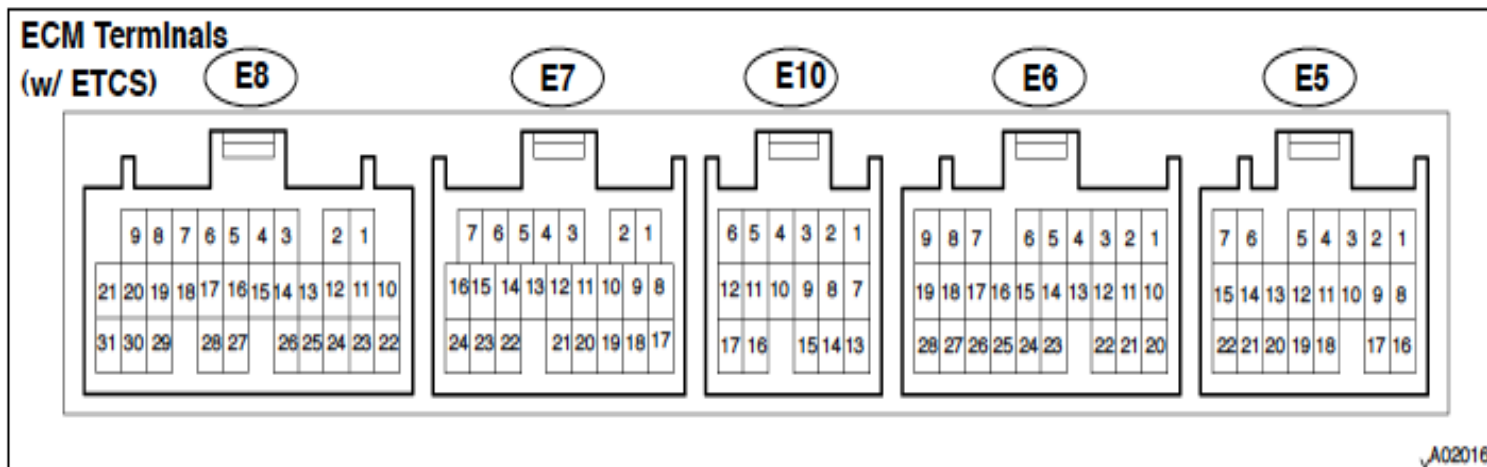
Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	15	STP	G-W	STP	G-W		
E5	16	+B	W-R	+B	W-R		
E5	17	PWR	GR-R	N/A	N/A		Present on ECT diagram only.
E5	19	L4	GR	L4	GR		
E5	20	ELS	G-R	ELS	G-R		
E5	21	SP1	G-O	SP1	G-O		
E5	22	NSW	Y-GR	NSW	Y-GR		
E6	1	D	B-W	N/A	N/A		Present on ECT diagram only.
E6	5	IDLO	LG-R	IDLO	LG-R		
E6	6	FC	W-L	FC	W-L		
E6	7	TC	Y-B	TC	Y-B		
E6	8	PTNK	R-Y	PTNK	R-Y		
E6	10	4WD	G-B	4WD	G-B		
E6	13	TAC (W/TAC)	LG-B	TAC (W/TAC)	LG-B		
E6	14	SP2+	Y-R	N/A	N/A		Present on ECT diagram only.
E6	23	SP2-	W-R	N/A	N/A		Present on ECT diagram only.
E6	25	ODMS	LG	N/A	N/A		Present on ECT diagram only.
E6	28	PSW	Y	PSW	Y		
E7	1	CCV	R-L	CCV	R-L		
E7	2	VC	G-Y	VC	G-Y		
E7	3	HTS	R-W	HTS	R-W		
E7	4	AFHT	W	AFHT	W		
E7	5	EGR	R-B	EGR	R-B		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E7	6	EVP	W-G	EVP	W-G		
E7	7	TBP	G-B	TBP	G-B		
E7	9	VTA	Y	VTA	Y		
E7	10	OXS	B	OXS	B		
E7	11	AF+	V	AF+	V		
E7	12	THW	G-R	THW	G-R		
E7	14	VG	GR	VG	GR		
E7	15	G2+	R	G2+	R		
E7	16	NE+	L	NE+	L		
E7	17	E1	BR	E1	BR		
E7	18	E2	L-B	E2	L-B		
E7	19	THG	P-L	THG	P-L		
E7	20	AF-	P	AF-	P		
E7	21	THA	Y-G	THA	Y-G		
E7	22	EVG	B-W	EVG	B-W		
E7	24	NE-	G	NE-	G		
E8	1	#10	W-R	#10	W-R		
E8	2	#20	W	#20	W		
E8	3	#30	R	#30	R		
E8	4	#40	R-L	#40	R-L		
E8	5	E03	W-B	E03	W-B		
E8	6	E04	W-B	E04	W-B		
E8	7	S1	V	N/A	N/A		Present on ECT diagram only.

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E8	8	S2	LG	N/A	N/A		Present on ECT diagram only.
E8	9	SL	R-W	N/A	N/A		Present on ECT diagram only.
E8	10	IGF	B-Y	IGF	B-Y		
E8	11	IGT1	B-L	IGT1	B-L		
E8	12	IGT2	L	IGT2	L		
E8	13	IGT3	L-R	IGT3	L-R		
E8	14	IGT4	L-Y	IGT4	L-Y		
E8	15	RSD	B-R	RSD	B-R		
E8	21	E01	W-B	E01	W-B		
E8	26	THO	Y-R	N/A	N/A		Present on ECT diagram only.
E8	28	KNK	B	KNK	B		
E8	31	E02	W-B	E02	W-B		

2003 Tacoma 5VZ-FE 4x4 ECM terminals, automatic vs. manual

All data compiled from the 2003 factory service manual wiring guide



NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	1	+B	W-R	+B	W-R		
E5	2	W	V-R	W	V-R		
E5	3	ACT	L-B	ACT	L-B		
E5	4	MREL	B-O	MREL	B-O		
E5	6	SP1	G-O	SP1	G-O		
E5	7	STA	G	STA	G		
E5	8	+BM	P	N/A	N/A		
E5	9	AC1	L-Y	AC1	L-Y		
E5	13	WFSE	Y-R	WFSE	Y-R		
E5	14	SIL	W	SIL	W		
E5	15	IGSW	B-W	IGSW	B-W		
E5	16	BATT	B-Y	BATT	B-Y		
E5	20	STP	G-W	STP	G-W		

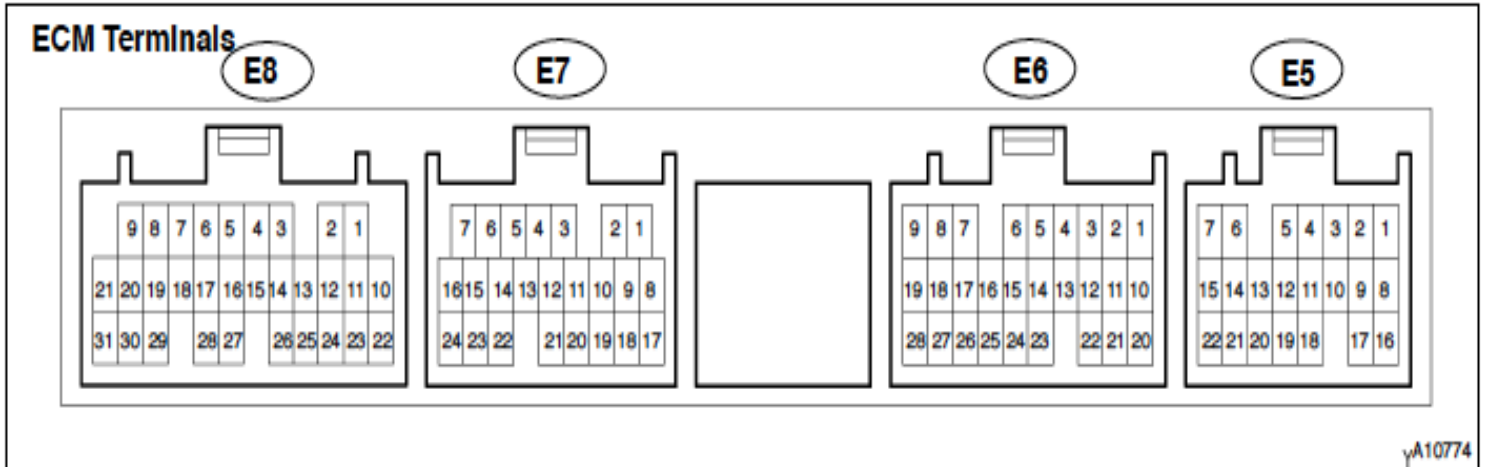
Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	22	FC	W-L	FC	W-L		
E6	1	PWR	GR-R	N/A	N/A		
E6	2	L4	GR	L4	GR		
E6	3	NSW	Y-GR	NSW	Y-GR		
E6	4	L	R	N/A	N/A		
E6	5	2	P	N/A	N/A		
E6	6	R	R-B	N/A	N/A		
E6	11	TFN	L	N/A	N/A		
E6	13	4WD	G-B	4WD	G-B		
E6	14	ODMS	LG	N/A	N/A		
E6	20	ODLP	L-O	N/A	N/A		
E6	21	OILW	O	N/A	N/A		
E6	25	D	B-W	N/A	N/A		
E7	1	#50	W-L	#50	W-L		
E7	2	IGF	B-Y	IGF	B-Y		
E7	3	#40	L-R	#40	L-R		
E7	4	#30	R	#30	R		
E7	5	#20	B	#20	B		
E7	6	#10	W-R	#10	W-R		
E7	7	TC	Y-B	TC	Y-B		
E7	8	#60	L	#60	L		
E7	9	IGT3	B-W	IGT3	B-W		
E7	10	IGT2	LG-R	IGT2	LG-R		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E7	11	IGT1	B-L	IGT1	B-L		
E7	12	NE+	L	NE+	L		
E7	13	G2	R	G2	R		
E7	14	EVP	W-G	EVP	W-G		
E7	17	E1	BR	E1	BR		
E7	18	PSW	B	PSW	B		
E7	19	CCV	P-L	CCV	P-L		
E7	20	TBP	G-B	TBP	G-B		
E7	21	NE-	G	NE-	G		
E7	22	SP2-	W-R	N/A	N/A		
E7	23	SP2+	Y-R	N/A	N/A		
E8	1	SL	R-W	N/A	N/A		Present on ECT diagram only.
E8	2	S2	LG	N/A	N/A		Present on ECT diagram only.
E8	3	S1	V	N/A	N/A		Present on ECT diagram only.
E8	4	E01	W-B	E01	W-B		
E8	5	E02	W-B	E02	W-B		
E8	6	ME01	W-B	ME01	W-B		
E8	7	E03	W-B	E03	W-B		
E8	8	E04	W-B	E04	W-B		
E8	9	M+	R	M+	R		
E8	10	E2G	B-W	E2G	B-W		
E8	11	E2	L-B	E2	L-B		
E8	12	VG	G	VG	G		

2003 Tacoma 5VZ-FE, version 1.0

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E8	13	THA	Y-G	THA	Y-G		
E8	14	AF1+	V	AF1+	V		
E8	15	VTA	Y	VTA	Y		
E8	17	GE01	BR	GE01	BR		
E8	18	THW	G-R	THW	G-R		
E8	19	THOC	Y-R	N/A	N/A		Present on ECT diagram only.
E8	21	HAF1	W	HAF1	W		
E8	22	KNK2	GR	KNK2	GR		
E8	23	KNK1	B	KNK1	B		
E8	24	PTNK	R-Y	PTNK	R-Y		
E8	25	VC	G-Y	VC	G-Y		
E8	26	AF1-	P	AF1-	P		
E8	27	OX2B	R	OX2B	R		
E8	29	HT2B	R-W	HT2B	R-W		
E8	31	M-	G	M-	G		
E10	2	CL+	Y	CL+	Y		
E10	4	VTA2	V	VTA2	V		
E10	5	SLT+	W	N/A	N/A		Present on ECT diagram only.
E10	6	SLT-	Y	N/A	N/A		Present on ECT diagram only.
E10	8	CL-	L	CL-	L		
E10	10	VPA	GR	VPA	GR		
E10	15	VPA2	L	VPA2	L		

2004 Tacoma 3RZ-FE 4x4 ECM terminals, automatic vs. manual
All data compiled from the 2004 factory service manual wiring guide



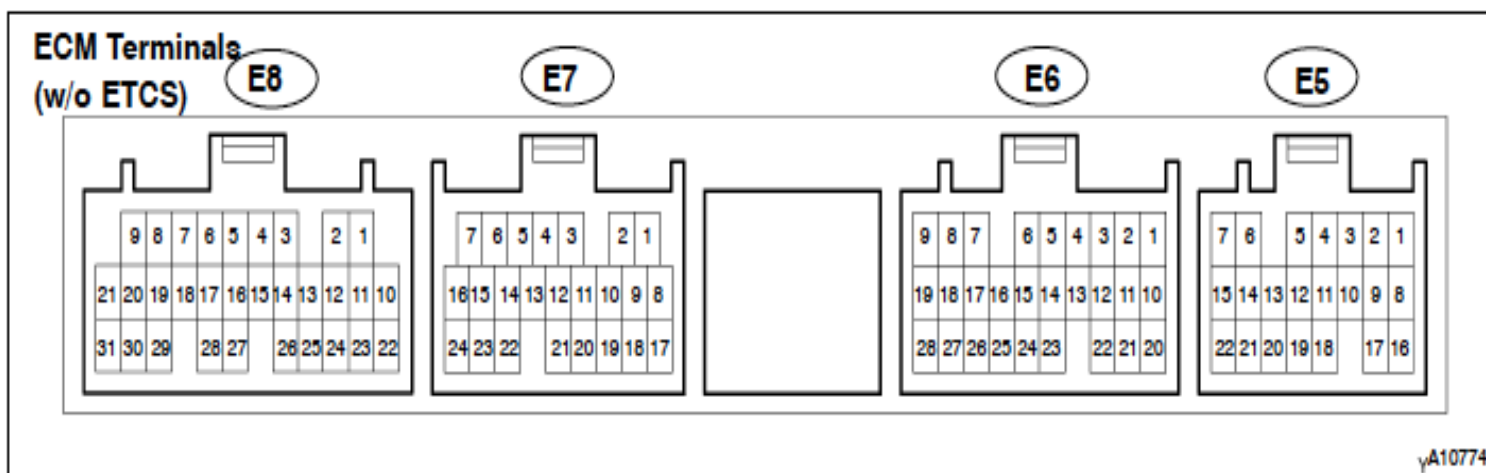
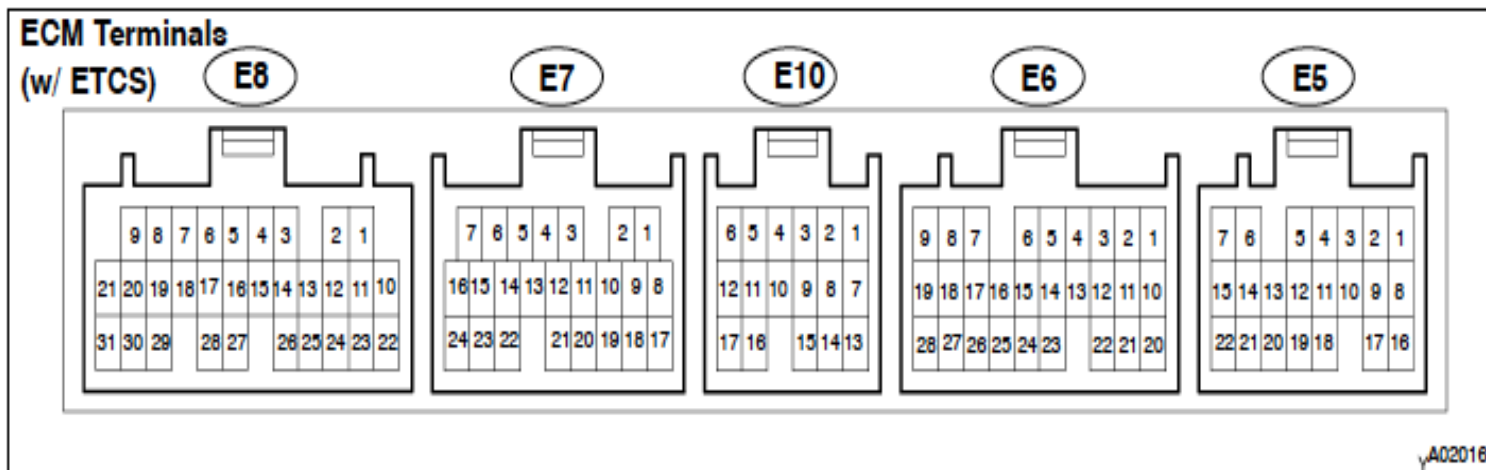
NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	1	BATT	B-Y	BATT	B-Y		
E5	2	R	R-B	N/A	N/A		
E5	3	L	R	N/A	N/A		
E5	4	2	P	N/A	N/A		
E5	5	OILW	O	N/A	N/A		
E5	6	W	V-R	W	V-R		
E5	7	STA	G	STA	G		
E5	9	TFN	L	N/A	N/A		
E5	10	ODLP	L-O	N/A	N/A		
E5	11	OD1	R-Y	N/A	N/A		
E5	12	SIL	W	SIL	W		
E5	13	AC1	L-Y	AC1	L-Y		
E5	14	ACT	L-B	ACT	L-B		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	15	STP	G-W	STP	G-W		
E5	16	+B	W-R	+B	W-R		
E5	17	PWR	GR-R	N/A	N/A		
E5	19	L4	GR	L4	GR		
E5	20	ELS	G-R	ELS	G-R		
E5	21	SP1	G-O	SP1	G-O		
E5	22	NSW	Y-GR	NSW	Y-GR		NEUTRAL SAFETY SWITCH. A/T ONLY
E6	5	IDLO	LG-R	IDLO	LG-R		
E6	7	TC	Y-B	TC	Y-B		
E6	8	PTNK	R-Y	PTNK	R-Y		
E6	9	D	B-W	N/A	N/A		
E6	10	4WD	G-B	4WD	G-B		
E6	13	TAC (W/TAC)	LG-B	TAC (W/TAC)	LG-B		
E6	14	SP2+	Y-R	N/A	N/A		
E6	23	SP2-	W-R	N/A	N/A		
E6	25	ODMS	LG	N/A	N/A		
E6	28	PSW	Y	PSW	Y		
E7	1	CCV	R-L	CCV	R-L		
E7	2	VC	G-Y	VC	G-Y		
E7	3	HTS	R-W	HTS	R-W		
E7	4	AFHT	W	AFHT	W		
E7	5	EGR	R-B	EGR	R-B		
E7	6	FC	W-L	FC	W-L		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E7	7	TBP	G-B	TBP	G-B		
E7	9	VTA	Y	VTA	Y		
E7	10	OXS	B	OXS	B		
E7	11	AF+	V	AF+	V		
E7	12	THW	G-R	THW	G-R		
E7	14	VG	GR	VG	GR		
E7	15	G2+	R	G2+	R		
E7	16	NE+	L	NE+	L		
E7	17	E1	BR	E1	BR		
E7	18	E2	L-B	E2	L-B		
E7	19	THG	P-L	THG	P-L		
E7	20	AF-	P	AF-	P		
E7	21	THA	Y-G	THA	Y-G		
E7	22	EVG	B-W	EVG	B-W		
E7	24	NE-	G	NE-	G		
E8	1	#10	W-R	#10	W-R		
E8	2	#20	W	#20	W		
E8	3	#30	R	#30	R		
E8	4	#40	R-L	#40	R-L		
E8	5	E03	W-B	E03	W-B		
E8	6	E04	W-B	E04	W-B		
E8	7	S1	V	N/A	N/A		
E8	8	S2	LG	N/A	N/A		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E8	9	SL	R-W	N/A	N/A		
E8	10	IGF	B-Y	IGF	B-Y		
E8	11	IGT1	B-L	IGT1	B-L		
E8	12	IGT2	L	IGT2	L		
E8	13	IGT3	L-R	IGT3	L-R		
E8	14	IGT4	L-Y	IGT4	L-Y		
E8	15	RSD	B-R	RSD	B-R		
E8	21	E01	W-B	E01	W-B		
E8	26	THO	Y-R	N/A	N/A		
E8	28	KNK	B	KNK	B		
E8	31	E02	W-B	E02	W-B		



NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	1	+B	W-R	+B	W-R		
E5	2	W	V-R	W	V-R		
E5	3	ACT	L-B	ACT	L-B		
E5	4	MREL	B-O	MREL	B-O		
E5	6	SP1	G-O	SP1	G-O		
E5	7	STA	G	STA	G		
E5	8	+BM	P	+BM	V		

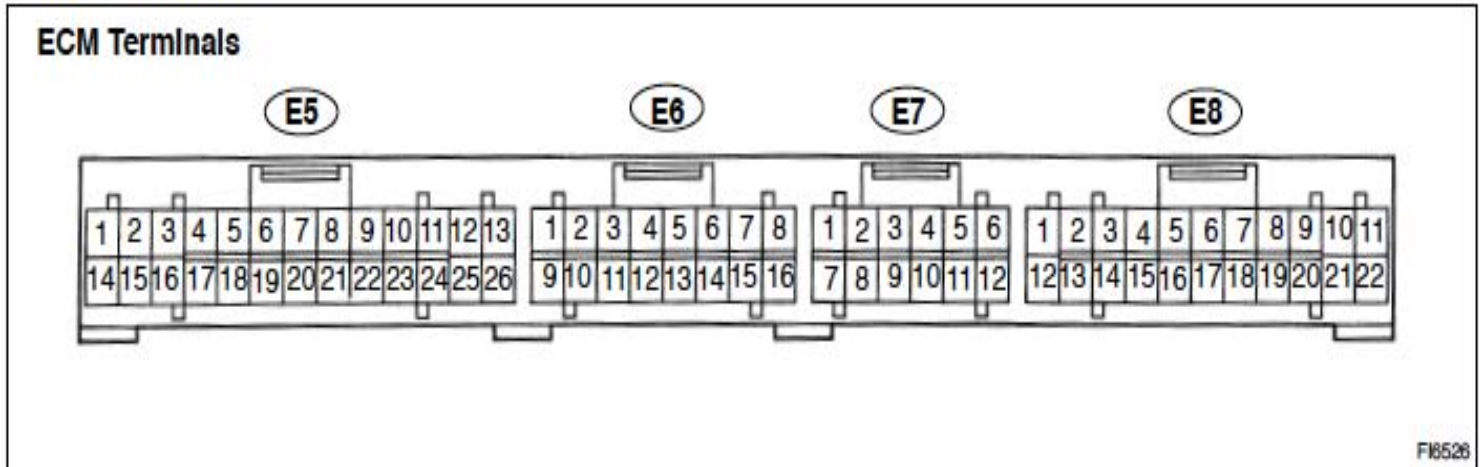
Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	9	AC1	L-Y	AC1	L-Y		
E5	13	WFSE	Y-R	WFSE	Y-R		
E5	14	SIL	W	SIL	W		
E5	15	IGSW	B-W	IGSW	B-W		
E5	16	BATT	B-Y	BATT	B-Y		
E5	20	STP	G-W	STP	G-W		
E6	1	PWR	GR-R	N/A	N/A		Present on ECT diagram only.
E6	2	L4	GR	L4	GR		A/T ONLY
E6	3	NSW	Y-GR	NSW	Y-GR		NEUTRAL SAFETY SWITCH. A/T ONLY
E6	4	L	R	N/A	N/A		Present on ECT diagram only.
E6	5	4WD	P	N/A	N/A		Present on ECT diagram only.
E6	6	R	R-B	N/A	N/A		Present on ECT diagram only.
E6	8	NEO	V-W	NEO	V-W		W/VSC (SKID CONTROL)
E6	9	ST1-	L-W	ST1-	L-W		
E6	11	TFN	L	N/A	N/A		Present on ECT diagram only.
E6	13	4WD	G-B	4WD	G-B		
E6	14	ODMS	LG	N/A	N/A		Present on ECT diagram only.
E6	18	ENG-	P-B	ENG-	P-B		W/VSC (SKID CONTROL)
E6	19	ENG+	L-R	ENG+	L-R		W/VSC (SKID CONTROL)
E6	20	ODLP	L-O	N/A	N/A		Present on ECT diagram only.
E6	21	OILW	O	N/A	N/A		Present on ECT diagram only.
E6	25	D	B-W	N/A	N/A		Present on ECT diagram only.
E6	27	TRC-	Y-G	TRC-	Y-G		W/VSC (SKID CONTROL)

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E6	28	TRC+	BR-Y	TRC+	BR-Y		W/VSC (SKID CONTROL)
E7	1	#50	W-L	#50	W-L		
E7	2	IGF	B-Y	IGF	B-Y		
E7	3	#40	L-R	#40	L-R		
E7	4	#30	R	#30	R		
E7	5	#20	B	#20	B		
E7	6	#10	W-R	#10	W-R		
E7	7	TC	Y-B	TC	Y-B		
E7	8	#60	L	#60	L		
E7	9	IGT3	B-W	IGT3	B-W		
E7	10	IGT2	LG-R	IGT2	LG-R		
E7	11	IGT1	B-L	IGT1	B-L		
E7	12	NE+	L	NE+	L		
E7	13	G2	R	G2	R		
E7	14	EVP	W-L	EVP	W-L		
E7	17	E1	BR	E1	BR		
E7	18	PSW	B	PSW	B		
E7	19	CCV	P-L	CCV	P-L		
E7	20	TBP	G-B	TBP	G-B		
E7	21	NE-	G	NE-	G		
E7	22	SP2-	W-R	N/A	N/A		Present on ECT diagram only.
E7	23	SP2+	Y-R	N/A	N/A		Present on ECT diagram only.
E8	1	SL	R-W	N/A	N/A		Present on ECT diagram only.

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E8	2	S2	LG	N/A	N/A		Present on ECT diagram only.
E8	3	S1	V	N/A	N/A		Present on ECT diagram only.
E8	4	E01	W-B	E01	W-B		
E8	5	E02	W-B	E02	W-B		
E8	6	ME01	W-B	ME01	W-B		
E8	7	E03	W-B	E03	W-B		
E8	8	E04	W-B	E04	W-B		
E8	9	M+	R	M+	R		
E8	10	E2G	B-W	E2G	B-W		
E8	11	E2	L-B	E2	L-B		
E8	12	VG	G	VG	G		
E8	13	THA	Y-G	THA	Y-G		
E8	14	AF1+	V	AF1+	V		
E8	15	VTA	Y	VTA	Y		
E8	17	GE01	BR	GE01	BR		
E8	18	THW	G-R	THW	G-R		
E8	19	THOC	Y-R	N/A	N/A		Present on ECT diagram only.
E8	21	HAF1	W	HAF1	W		
E8	22	KNK2	GR	KNK2	GR		
E8	23	KNK1	B	KNK1	B		
E8	24	PTNK	R-Y	PTNK	R-Y		
E8	25	VC	G-Y	VC	G-Y		
E8	26	AF1-	P	AF1-	P		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E8	27	OX2B	R	OX2B	R		
E8	29	HT2B	R-W	HT2B	R-W		
E8	31	M-	G	M-	G		
E10	2	CL+	Y	CL+	Y		
E10	4	VTA2	V	VTA2	V		
E10	5	SLT+	W	N/A	N/A		Present on ECT diagram only.
E10	6	SLT-	Y	N/A	N/A		Present on ECT diagram only.
E10	8	CL-	L	CL-	L		
E10	10	VPA	GR	VPA	GR		
E10	15	VPA2	L	VPA2	L		

1998 4Runner 3RZ-FE 4x4 ECM terminals, automatic vs. manual
All data compiled from the 1998 factory service manual wiring guide



NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	1	HT2	R-W	HT2	R-W		
E5	2	HT1	P	HT1	P		
E5	3	EVP	B-W	EVP	B-W		
E5	4	IDLO	Y-G	IDLO	Y-G		
E5	6	RSC	P-L	RSC	P-L		
E5	7	RSO	B-R	RSO	B-R		
E5	8	S1	LG-R	N/A	N/A		Present on ECT diagram only.
E5	9	#40	R-L	#40	R-L		
E5	10	#30	G	#30	G		
E5	11	#20	W	#20	W		
E5	12	#10	R	#10	R		
E5	13	E01	BR	E01	BR		
E5	14	FC	G-Y	FC	G-Y		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E5	15	TAC	B	TAC	B		
E5	16	OIL	V-Y	N/A	N/A		Present on ECT diagram only.
E5	17	IGF	B-Y	IGF	B-Y		
E5	18	L4 (4WD)	L-R	N/A	N/A		Present on ECT diagram only.
E5	20	SL	G-R	N/A	N/A		Present on ECT diagram only.
E5	22	IGT2	Y-B	IGT2	Y-B		
E5	23	IGT1	B-L	IGT1	B-L		
E5	24	E1	BR	E1	BR		
E5	25	E03	BR	N/A	N/A		Present on ECT diagram only.
E5	26	E02	BR	E02	BR		
E6	1	VCC	G-Y	VCC	G-Y		
E6	2	VG	B-R	VG	B-R		
E6	3	THA	Y-G	THA	Y-G		
E6	4	THW	G-R	THW	G-R		
E6	5	OX1	W	OX1	W		
E6	7	TE1	LG-B	TE1	LG-B		
E6	8	TPC	R-B	TPC	R-B		
E6	9	E2	BR-B	E2	BR-B		
E6	10	VTA	Y	VTA	Y		
E6	11	THG	P	THG	P		
E6	12	KNK	GR	KNK	GR		
E6	13	OX2	R	OX2	R		
E6	15	EGR	P-L	EGR	P-L		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E7	2	ELS	O (A/T)	ELS	O (A/T)		
E7	3	SP2-	W-R	N/A	N/A		Present on ECT diagram only.
E7	5	G-	V	G-	V		
E7	6	NE-	G	NE-	G		
E7	7	E3	R-W	E3	R-W		
E7	9	SP2+	Y-R	N/A	N/A		Present on ECT diagram only.
E7	10	PTNK	LG-B	PTNK	LG-B		
E7	11	G	P	G	P		
E7	12	NE	R	NE	R		
E8	2	BATT	L-R	BATT	L-R		
E8	3	OD2	L-O	N/A	N/A		Present on ECT diagram only.
E8	4	W	V	W	V		
E8	6	ACT	L-B	ACT	L-B		
E8	7	AC1	L-Y	AC1	L-Y		
E8	8	SP1	G-O	SP1	G-O		
E8	10	4WD (W/ADD)	G-B	4WD (W/ADD)	G-B		
E8	11	STA	B-W	STA	B-W		
E8	12	+B	W-L	+B	W-L		
E8	13	TFN (4WD)	R-G	N/A	N/A		Present on ECT diagram only. 4WD only.
E8	14	PWR	G-R	N/A	N/A		Present on ECT diagram only.
E8	15	L	LG	N/A	N/A		Present on ECT diagram only.
E8	16	2	V-R	N/A	N/A		Present on ECT diagram only.
E8	17	R	R-Y	N/A	N/A		Present on ECT diagram only.

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E8	18	OD1 (W/CRUI	BR-W	N/A	N/A		Present on ECT diagram only. W/Cruise Control.
E8	19	SIL	W	SIL	W		
E8	21	BK	G-W	BK	G-W		
E8	22	NSW	B	NSW	B		

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



NOTE: For each ECU connector + pin, identical A/T and M/T values for each column have a white background, while different or non-existent values for that column have a gray background. N/A indicates that a given connector + pin exists for one transmission type only.

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E9	1	4WD	G-B	4WD	G-B		
E9	2	L4	L-R	N/A	N/A		Present on ECT diagram only. Should be OK to delete with
E9	5	#60	Y	#60	Y		
E9	6	#50	L	#50	L		
E9	7	#40	R-B	#40	R-B		
E9	8	#30	G	#30	G		
E9	10	#10	R	#10	R		
E9	11	S1	LG-R	N/A	N/A		Present on ECT diagram only. Should be OK to delete with
E9	12	IGF	B-Y	IGF	B-Y		
E9	13	STA	B-W	STA	B-W		
E9	14	NSW	B	NSW	B		
E9	15	IGT3	B-W	IGT3	B-W		
E9	16	IGT2	BR-Y	IGT2	BR-Y		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E9	17	S2	LG	N/A	N/A		Present on ECT diagram only. Should be OK to delete with
E9	22	RSC	B-R	RSC	B-R		
E9	23	RSO	BR-B	RSO	BR-B		
E9	24	IGT1	B-L	IGT1	B-L		
E9	27	SL	G-R	N/A	N/A		Present on ECT diagram only. Should be OK to delete with
E9	28	E03	BR	E03	BR		
E9	30	OIL	V-Y	N/A	N/A		Present on ECT diagram only. Should be OK to delete with
E9	31	PSW	P	PSW	P		
E9	33	E02	BR	E02	BR		
E9	34	E01	BR	E01	BR		
E10	1	VC	G-B	VC	G-B		
E10	4	SP2-	W-R	N/A	N/A		Present on ECT diagram only. Should be OK to delete with
E10	5	NE+	V	NE+	V		
E10	6	NE-	P	NE-	P		
E10	7	VTA	B-Y	VTA	B-Y		
E10	8	VG	R-W	VG	R-W		
E10	9	SP2+	Y-R	N/A	N/A		Present on ECT diagram only. Should be OK to delete with
E10	12	PWR	G-R	N/A	N/A		Present on ECT diagram only. Should be OK to delete with
E10	13	OX1	W	OX1	W		
E10	14	KNK2	GR	KNK2	GR		
E10	15	KNK1	B	KNK1	B		
E10	17	G+	L	G+	L		
E10	18	FC	G-Y	FC	G-Y		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E10	19	OX2	R	OX2	R		
E10	20	THW	G	THW	G		
E10	21	THA	Y-G	THA	Y-G		
E10	22	E2	BR-B	E2	BR-B		
E11	2	EVP	W-G	EVP	W-G		
E11	3	W	V	W	V		
E11	5	TE1	V-W	TE1	V-W		
E11	6	OIL-W	Y	N/A	N/A		Present on ECT diagram only. Should be OK to delete with
E11	7	E3	B-W	E3	B-W		
E11	8	TPC	P-B	TPC	P-B		
E11	9	TFN	R-G	N/A	N/A		Present on ECT diagram only. Should be OK to delete with
E11	10	HT2	R-W	HT2	R-W		
E11	11	HT1	P-L	HT1	P-L		
E11	13	PTNK	Y-B	PTNK	Y-B		
E11	16	E1	BR	E1	BR		
E12	1	L	LG	N/A	N/A		Present on ECT diagram only. Should be OK to delete with
E12	4	BATT	R	BATT	R		
E12	5	ACT	L-B	ACT	L-B		
E12	6	OD2	L-O	N/A	N/A		Present on ECT diagram only. Should be OK to delete with
E12	7	OD1	BR-Y	N/A	N/A		Present on ECT diagram only. Should be OK to delete with
E12	8	SIL	W	SIL	W		
E12	10	2	V-R	N/A	N/A		Present on ECT diagram only. Should be OK to delete with
E12	11	IDLO	Y-G	IDLO	Y-G		

Connector	Pin	Auto Function	Auto Wire Color	Manual Function	Manual Wire Color	Error	Note
E12	12	SP1	G-O	SP1	G-O		
E12	14	BATT	L-R	N/A	N/A		Present on ECT diagram only. Should be OK to delete with
E12	15	R	R-Y	N/A	N/A		Present on ECT diagram only. Should be OK to delete with
E12	16	AC1	L-Y	AC1	L-Y		
E12	23	+B	W-L	+B	W-L		
E12	24	BK	G-W	BK	G-W		

Abbreviation Definitions

Toyota Tacoma ECU Pinout Labels, 1995.5 – 2004

1995.5 - 2004 Tacoma ECM Terminal Labels

This is a reference listing of Engine Control Module (ECM) terminal labels or names for 1995.5 through 2004 Toyota Tacomas - both 4-cylinder and 6-cylinder. Toyota FSM documentation often uses these labels in describing circuit connections or the 'logical layout' of the engine control wiring scheme.

This data was compiled from FSM engine control wiring diagrams.

These labels do not necessarily or consistently identify a particular physical pin or connector. To identify specific connectors and pins you need to refer to the factory wiring diagrams.

The terminal labels / names varied from 1995.5 through 2004. It is not the case that all labels apply to all ECM's, or that all ECM's have connections associated with all listed labels.

FORMAT for this listing:

The listing is in alphabetical order. Each entry has 3 possible parts or segments. Name / Function (as listed in FSM) / Component to Which it Connects ECM

If the function associated with a given terminal is 'known' (explicitly listed in FSM) the terminal name and function are listed.

If function is not explicitly explained in the FSM wiring documentation, a '?' is listed, along with the name of the component to which the connection leads from the ECM (in parentheses).

If a label was used in more than one way, or if its apparent meaning is not consistent on all diagrams, it is broken out into multiple entries.

Special thanks to EnolaGaia (Randy) for contributing this section.

CODE	FUNCTION if Given	Or WHERE IT LEADS
#10	Injector control output (4-cyl	
#20	Injector control output (4-cyl	
#30	Injector control output (Some	
#30	Injector control output (5VZ)	

Abbreviation Definitions, Version 1.0

Abbreviation Definitions

CODE	FUNCTION if Given	Or WHERE IT LEADS
#40	Injector control output (Some 4-	
#40	Injector control output (5VZ)	
4WD	Detection switch input to signal	
#50	Injector control output (5VZ)	
#60	Injector control output (5VZ)	
AC1	Input signal from air	
ACT	?	(A/C Amplifier)
ACV	?	(VSV for A/C Idle Up)
AF-	?	(Air / Fuel Ratio Sensor - Bank 1 Sensor 1)
AF+	Air / Fuel Ratio Sensor - Bank 1	
AF1-	?	(Air / Fuel Ratio Sensor - Bank 1 Sensor 1)
AF1+	Air / Fuel Ratio Sensor - Bank 1	
AFHT	?	(Air / Fuel Ratio Sensor - Bank 1 Sensor 1)
AFL-	?	(Air / Fuel Ratio Sensor - Bank 1 Sensor 1)
AFL+	Air / Fuel Ratio input signal	
BATT	Battery (constant voltage to	
BK	Brake / stoplight signal input	
CCV	?	(VSV for Canister Closed Valve)
CL-	?	(Throttle Control Motor; 2003+ with ETCS-i)
CL+	?	(Throttle Control Motor; 2003+ with ETCS-i)
CODE	FUNCTION (if Given)	(Or) WHERE IT LEADS
CODE	FUNCTION (if Given)	(Or) WHERE IT LEADS
CODE	FUNCTION (if Given)	(Or) WHERE IT LEADS
CODE	FUNCTION (if Given)	(Or) WHERE IT LEADS
E1	?	(Ground)
E2	?	(Lines leading to Throttle Position Sensor)
E2G	?	(Mass Air Flow; MAF)
E3	?	(Mass Air Flow; MAF)
EGR	EGR cut control output	
ELS	?	(10A PANEL fuse; some years up through 2000)
ELS	?	(10A TAIL fuse; 2001 onward)
EO1	?	(Ground)
EO2	?	(Ground)
EO3	?	(Ground)
EO4	?	(Ground)
EO5	?	(Ground)
EVG	?	(Mass Air Flow; MAF)

Abbreviation Definitions, Version 1.0

Abbreviation Definitions

CODE	FUNCTION if Given	Or WHERE IT LEADS
EVP	?	(VSV for Vapor Pressure Sensor - some 4-cyl's)
EVP	?	(VSV for EVAP - some 4-cyl's)
EVP1	?	(VSV for EVAP - 2RZ; some 3RZ's; some 5VZ's)
EVP1	?	(VSV for Vapor Pressure Sensor - Some 5VZ's)
FC	?	(Circuit Opening Relay)
FPU	Fuel pressure up output	
G	?	(Distributor - 4 cyl)
G	RPM signal from Camshaft	
G-	?	(Distributor - 4 cyl)
G-	?	(Camshaft Position Sensor - 4 cyl)
G+	RPM signal from Camshaft	
G2	RPM signal from Camshaft	
G2+	PM signal from Camshaft	
GE01	?	(Lines tying into Throttle Control Motor circuit)
HAF1	?	(Air / Fuel Ratio Sensor - Bank 1 Sensor 1)
HAFL	?	(Air / Fuel Ratio Sensor - Bank 1 Sensor 1)
HT1	Heated O2 sensor heater	
HT1B	Heated O2 sensor heater	
HT2	Heated O2 sensor heater	
HT2B	Heated O2 sensor heater	
HTAF1	?	(Air / Fuel Ratio Sensor - Bank 1 Sensor 1)
HTAF1		(Air / Fuel Ratio Sensor - Bank 1 Sensor 1)
HTS	Heated O2 sensor heater	
IDL	Throttle valve fully closed	
IDLO	?	(Cruise Control ECU / Actuator)
IGF	?	(Igniter)
IGSW	?	(7.5A IGN fuse)
IGSW	?	(7.5A IGN fuse and Circuit Opening Relay)
IGT	Ignition timing output to Igniter	
IGT1	Ignition timing output to Igniter	
IGT1	Ignition timing output to Igniter	
IGT2	Ignition timing output to Igniter	
IGT2	Ignition timing output to Igniter	
IGT3	Ignition timing output to Igniter	
IGT3	Ignition timing output to Igniter	
IGT4	Ignition timing output to Igniter	
KNK	Knock sensor input	

Abbreviation Definitions

CODE	FUNCTION if Given	Or WHERE IT LEADS
KNK1	Knock sensor input from Knock	
KNK2	Knock sensor input from Knock	
L4	Lo-4 / L4 Detection Switch	
M-	?	(Throttle Control Motor; 2003+ with ETCS-i)
M+	?	(Throttle Control Motor; 2003+ with ETCS-i)
ME01	?	(Ground)
MREL	?	(EFI Relay)
#NAME?	Battery power to ECM with	
NE	RPM signal - Crankshaft	
NE-	RPM signal - Crankshaft	
NE+	RPM signal - Crankshaft	
NSW	?	(Ignition switch / starter relay circuit)
OX1	Heated Oxygen Sensor input	
OX1B	Heated Oxygen Sensor input	
OX2	Heated Oxygen Sensor input	
OX2B	Heated Oxygen Sensor input	
OXS	Heated Oxygen Sensor input	
PRG	?	(VSV for EVAP)
PSSW	?	(Power Steering Oil Pressure Switch)
PSW	?	(Power Steering Oil Pressure Switch)
PTNK	?	(Vapor Pressure Sensor)
RSC	?	(Idle Air Control Valve; IAC)
RSD	?	(Idle Air Control Valve; IAC)
RSO	?	(Idle Air Control Valve; IAC)
SDL	?	(Data Link Connector 3; DLC3)
SIL	?	(Data Link Connector 3; DLC3)
SP1	Vehicle speed sensor input	
STA	Starter (cranking) signal input	
STA	Clutch Start Switch or P/N	
STP	Brake / stoplight signal input	
TAC	Tachometer connection	
TBP	?	(VSV for Pressure Switching Valve)
TC	?	(Data Link Connector 3; DLC3)
TE1	?	(Data Link Connector 1; DLC1)
TFN	?	(Detection Switch for Transfer / Neutral Position -
THA	Intake air temperature input	
THG	?	(EGR Gas Temperature Sensor)

Abbreviation Definitions, Version 1.0

CODE	FUNCTION if Given	Or WHERE IT LEADS
THW	Engine coolant temperature	
TPC	?	(VSV for EVAP (some 2RZ's; some 5VZ's))
TPC	?	(VSV for Vapor Pressure Sensor (some 2RZ's; 3RZ;
TPC	?	(Mass Air Flow meter; MAF (Some 5VZ's))
VC	?	(Throttle position sensor)
VCC	?	(Throttle position sensor)
VG	Intake air volume from MAF	
VPA	?	(Accelerator Position Sensor; 2003+ with ETCS-i)
VPA2	?	(Accelerator Position Sensor; 2003+ with ETCS-i)
VTA	Throttle valve opening angle	
VTA2	?	(Throttle Position Sensor; 2003+ with ETCS-i)
W	Malfunction Indicator Lamp;	
WFSE	?	(Data Link Connector 3; DLC3)

Wire Colors Used in This Guide

This is a summary of the listed codes for the years 1995.5 - 2004. The wire color coding scheme is explained in the 'how to use' chapter of each model year's Wiring Manual.

When a code appears in two parts separated by a hyphen, the first color is the predominant wire color, and the second color is its stripe. For example, BR-R is a brown wire with a red stripe.

Special thanks to EnolaGaia (Ramdy) for contributing this section.

1995.5 - 1998 Wiring Manuals:

12 color codes are listed:

B = Black	LG = Light Green	W = White
L = Blue	V = Violet	GR = Gray
R = Red	G = Green	P = Pink
BR = Brown	O = Orange	Y = Yellow

1999 Wiring Manual:

13 color codes are listed:

B = Black	SB = Sky Blue	Y = Yellow
W = White	R = Red	GR = Gray
BR = Brown	G = Green	O = Orange
L = Blue	LG = Light Green	
V = Violet	P = Pink	

2000 - 2004 Wiring Manuals:

13 color codes are listed:

B = Black	SB = Sky Blue	Y = Yellow
W = White	R = Red	GR = Gray
BR = Brown	G = Green	O = Orange
L = Blue	LG = Light Green	
V = Violet	P = Pink	

