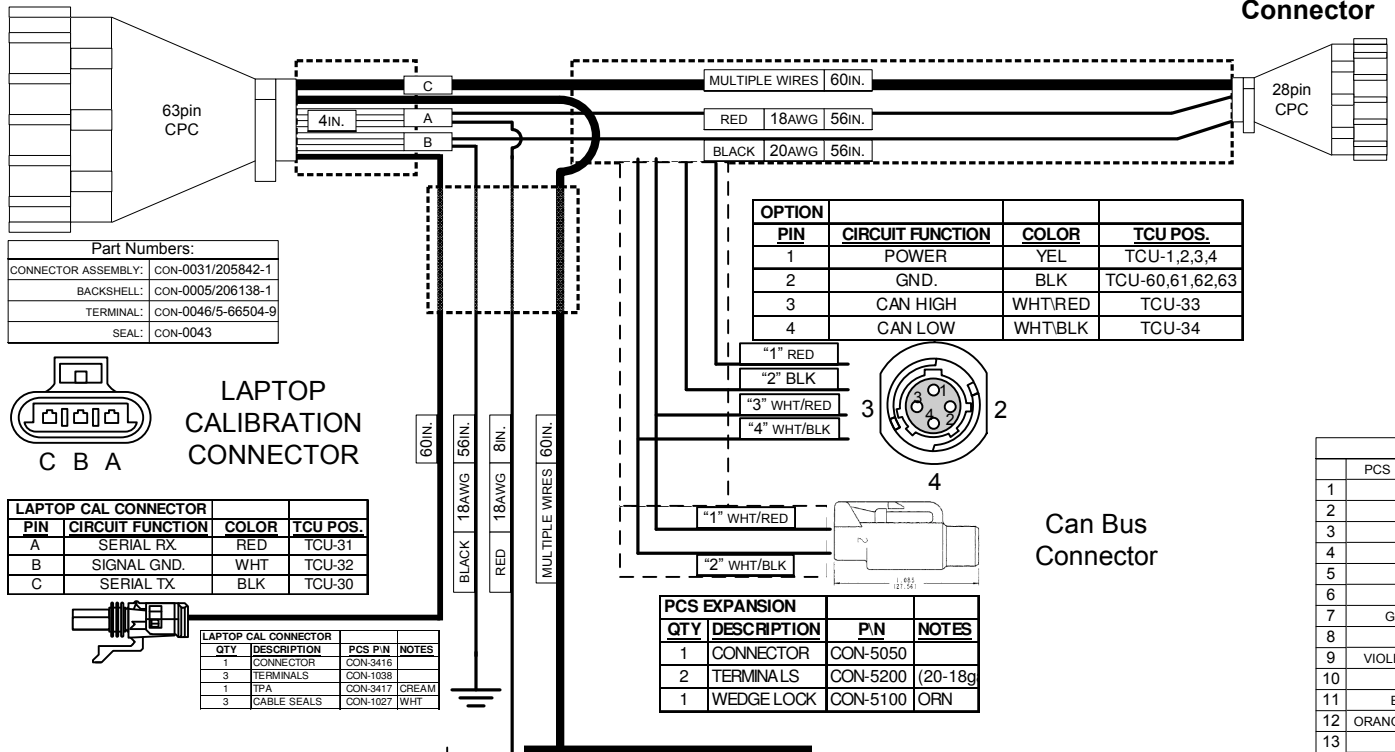
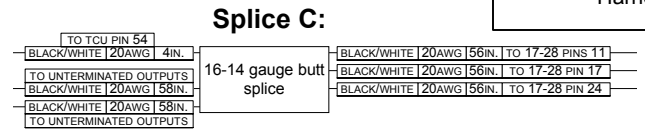
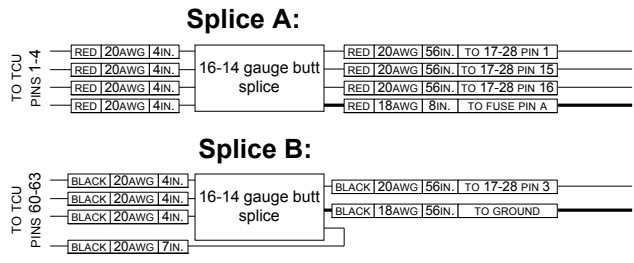


PART NUMBER:	TCM-4103	REV.	DESCRIPTION	DATE	BY
DESCRIPTION:	Toyota A34X Series Wiring Harness	0	Original Revision	10/22/2004	JB
		1	Laptop Cal Con Change	3/26/2013	FD
		2	Added Option Conn, Changed Range Con	10/14/2014	FD



Part Numbers:

CONNECTOR ASSEMBLY:	CON-0031/205842-1
BACKSHELL:	CON-0005/206138-1
TERMINAL:	CON-0046/5-66504-9
SEAL:	CON-0043



PIN	CIRCUIT FUNCTION	COLOR	TCU POS.
A	SERIAL RX	RED	TCU-31
B	SIGNAL GND.	WHT	TCU-32
C	SERIAL TX	BLK	TCU-30

LAPTOP CAL CONNECTOR	QTY	DESCRIPTION	PCS P/N	NOTES
CONNECTOR	1		CON-3416	
TERMINALS	3		CON-1038	
TPA	1		CON-3417	CREAM
CABLE SEALS	3		CON-1027	WHT

OPTION	PIN	CIRCUIT FUNCTION	COLOR	TCU POS.
	1	POWER	YEL	TCU-1,2,3,4
	2	GND.	BLK	TCU-60,61,62,63
	3	CAN HIGH	WHT/RED	TCU-33
	4	CAN LOW	WHT/BLK	TCU-34

PCS EXPANSION	QTY	DESCRIPTION	P/N	NOTES
CONNECTOR	1		CON-5050	
TERMINALS	2		CON-5200	(20-18g)
WEDGE LOCK	1		CON-5100	ORN

Unterminated Wires	DESCRIPTION	QTY	P/N
2-SENSOR GND	BLACK/WHITE	54	
RPM	ORANGE/BLACK	5	
SPEEDOMETER DRIVE	ORANGE/WHITE	9	
TPS	YELLOW/BLACK	46	
MAP	YELLOW/RED	47	
CLT	YELLOW/LT.GREEN	48	
SPARE ANALOG 1	YELLOW/LT.BLUE	49	
BRAKE LIGHT	GRAY/YELLOW	21	
SPARE DIGITAL 1	GRAY/PINK	22	
SPARE DIGITAL 2	BROWN/BLACK	23	
SPARE DIGITAL 3	BROWN/RED	24	
+5 V	RED/WHITE	58	
DIGITAL INPUT 3	GRAY/LT.GREEN	15	

Part Numbers:

CONNECTOR:	CON-0029/205839-3
BACKSHELL:	CON-0004/206070-1
TERMINAL:	CON-0046/5-66504-9
SEAL:	CON-0040

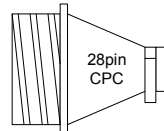
28 PIN CPC PINOUT & CORRESPONDANCE CHART				
PCS WIRE COLOR	PCS FUNCTION	TCU POS	TOYOTA CONNECTOR	TOYOTA FUNCTION
RED	+12V SOURCE	1-4	SOLENOID PIN 2	SLN+ (ACCUMULATOR)
GRAY/BLACK	DIGITAL INPUT 1	13	RANGE PIN 7	PARK INPUT
BLACK	GROUND SOURCE	60-63	SOLENOID PIN 5	BLT- (LINE PRESSURE)
NONE	NONE	NONE	NONE	NONE
GRAY/RED	DIGITAL INPUT 2	14	RANGE PIN 8	REVERSE INPUT
NC	NC	NC	NC	NC
GRAY/LT.BLUE	DIGITAL INPUT 4	16	RANGE PIN 9	DRIVE INPUT
NONE	NONE	NONE	NONE	NONE
VIOLET/LT.GREEN	PWM OUTPUT 3	20	SOL PIN 7	SLU- (TCC LOCKUP)
NONE	NONE	NONE	NONE	NONE
BLACK/WHITE	S.GROUND	54	TURBINE SPEED PIN 1	NCO- (TURBINESPEED)
ORANGE/LT.GREEN	SPEED INPUT 3	7	TURBINE SPEED PIN 2	NCO+(TURBINESPEED)
NONE	NONE	NONE	NONE	NONE
VIOLET/RED	PWM OUTPUT 2	28	SOL PIN 6	SLN- (ACCUMULATOR)
RED	+12V SOURCE	1-4	SOL PIN 3	SLU+ (TCC LOCKUP)
RED	+12V SOURCE	1-4	RANGE PIN 4	RANGE POWER
BLACK/WHITE	S.GROUND	54	VSS2 PIN 1	SP2- (VSS2)
ORANGE/RED	SPEED INPUT 2	6	VSS2 PIN 2	SP2+ (VSS2)
NONE	NONE	NONE	NONE	NONE
VIOLET/BLACK	PWM OUTPUT 1	37	SOL PIN 1	BLT+ (LINE PRESSURE)
NONE	NONE	NONE	NONE	NONE
GRAY/WHITE	DIGITAL INPUT 5	17	RANGE PIN 2	"2" POSITION INPUT
GRAY/ORANGE	DIGITAL INPUT 6	18	RANGE PIN 3	"L" POSITION INPUT
BLACK/WHITE	S.GROUND	54	ATF PIN 1	ATF-
NONE	NONE	NONE	NONE	NONE
PINK/BLACK	DIGITAL OUTPUT 1	59	SOL PIN 4	SS1 (SHIFT SOL 1)
YELLOW/ORANGE	ANALOG INPUT 6	51	ATF PIN 2	ATF+
PINK/RED	DIGITAL OUTPUT 2	53	SOL PIN 8	SS2 (SHIFT SOL 2)

Part Numbers:

CONNECTOR ASSEMBLY:	CON-2200/15300027
FUSE CAP:	CON-2201/ES10CAP
TERMINAL (18-16GAUGE)	CON-1016/12048159
TERMINAL (14-12GAUGE)	CON-1017/12129497
CABLE SEAL (20-16GAUGE)	CON-1004/12089679
CABLE SEAL (18-14GAUGE)	CON-1001/12015323
CABLE SEAL (16-12GAUGE)	CON-1002/12010293

PART NUMBER:	REV.	DESCRIPTION	DATE	BY
TCM-4103	0	Original Revision	10/22/2004	JB
DESCRIPTION: Toyota A34X Series Wiring Harness	1	Laptop Cal Con Change	3/26/2013	FD
	2	Added Option Conn, Changed Range Con	10/14/2014	FD

Optional Connector



Part Numbers:	
CONNECTOR:	CON-0084/206152-1
BACKSHELL:	CON-0004/206070-1
TERMINAL:	CON-0045/66506-3
SEAL:	CON-0040
PERIPHERAL SEAL:	CON-0015/206403-2

E 2 GRAY



90980-10891

8 PIN TOYOTA SOLENOID CONNECTOR		
TOYOTA FUNCTION	TCU POS	
1 BLT+ (LINE PRESSURE)	37	
2 SLN+ (ACCUMULATOR)	1-4	
3 SLU+ (TCC LOCKUP)	1-4	
4 SS1 (SHIFT SOL 1)	59	
5 BLT- (LINE PRESSURE)	60-63	
6 SLN- (ACCUMULATOR)	28	
7 SLU- (TCC LOCKUP)	20	
8 SS2 (SHIFT SOL 2)	53	

A 5 GRAY



90980-11025

2 PIN ATF TEMP CONNECTOR		
TOYOTA FUNCTION	TCU POS	
1 ATF-	54	
2 ATF+	51	

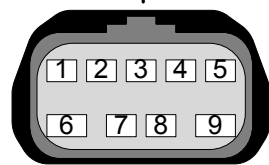
O 1 BLACK



90980-11156

3 PIN TURBINE SPEED CONNECTOR		
TOYOTA FUNCTION	TCU	
1 NCO- (TURBINE SPEED)	54	
2 NCO+ (TURBINE SPEED)	7	

Toyota wires
 82998-12440 20ga
 82998-12480 18 ga



FRONT VIEW

9 PIN TOYOTA RANGE SWITCH CONNECTOR		
TOYOTA FUNCTION	TCU POS	
1 PARK INPUT	13	
2 REVERSE INPUT	14	
3 RANGE POWER	1-4	
4 #2 POSITION INPUT	17	
5 NC		
6 NEUTRAL SAFETY	PIGTAIL	
7 DRIVE INPUT	14	
8 "L" POSITION	18	
9 NEUTRAL SAFETY	PIGTAIL	

V11 BLACK



90980-11156

2 PIN VSS2 CONNECTOR		
TOYOTA FUNCTION	TCU POS	
1 SP2- (VSS1)	54	
2 SP2+ (VSS1)	6	

28 PIN CPC PINOUT & CORRESPONDANCE CHART					
PCS WIRE COLOR	PCS FUNCTION	TCU POS	TOYOTA CONNECTOR	TOYOTA FUNCTION	
1 RED	+12V SOURCE	1-4	SOLENOID PIN 2	SLN+ (ACCUMULATOR)	
2 GRAY/BLACK	DIGITAL INPUT 1	13	RANGE PIN 7	PARK INPUT	
3 BLACK	GROUND SOURCE	60-63	SOLENOID PIN 5	BLT- (LINE PRESSURE)	
4 NONE	NONE	NONE	NONE	NONE	
5 GRAY/RED	DIGITAL INPUT 2	14	RANGE PIN 8	REVERSE INPUT	
6 GRAY/LT.GREEN	DIGITAL INPUT 3	15	RANGE PIN 10	NEUTRAL INPUT	
7 GRAY/LT.BLUE	DIGITAL INPUT 4	16	RANGE PIN 9	DRIVE INPUT	
8 NONE	NONE	NONE	NONE	NONE	
9 VIOLET/LT.GREEN	PWM OUTPUT 3	20	SOL PIN 7	SLU- (TCC LOCKUP)	
10 NONE	NONE	NONE	NONE	NONE	
11 BLACK/WHITE	S.GROUND	54	TURBINE SPEED PIN 1	NCO- (TURBINESPEED)	
12 ORANGE/LT.GREEN	SPEED INPUT 3	7	TURBINE SPEED PIN 2	NCO+ (TURBINESPEED)	
13 NONE	NONE	NONE	NONE	NONE	
14 VIOLET/RED	PWM OUTPUT 2	28	SOL PIN 6	SLN- (ACCUMULATOR)	
15 RED	+12V SOURCE	1-4	SOL PIN 3	SLU+ (TCC LOCKUP)	
16 RED	+12V SOURCE	1-4	RANGE PIN 4	RANGE POWER	
17 BLACK/WHITE	S.GROUND	54	VSS2 PIN 1	SP2- (VSS2)	
18 ORANGE/RED	SPEED INPUT 2	6	VSS2 PIN 2	SP2+ (VSS2)	
19 NONE	NONE	NONE	NONE	NONE	
20 VIOLET/BLACK	PWM OUTPUT 1	37	SOL PIN 1	BLT+ (LINE PRESSURE)	
21 NONE	NONE	NONE	NONE	NONE	
22 GRAY/WHITE	DIGITAL INPUT 5	17	RANGE PIN 2	"2" POSITION INPUT	
23 GRAY/ORANGE	DIGITAL INPUT 6	18	RANGE PIN 3	"L" POSITION INPUT	
24 BLACK/WHITE	S.GROUND	54	ATF PIN 1	ATF-	
25 NONE	NONE	NONE	NONE	NONE	
26 PINK/BLACK	DIGITAL OUTPUT 1	59	SOL PIN 4	SS1 (SHIFT SOL 1)	
27 YELLOW/ORANGE	ANALOG INPUT 6	51	ATF PIN 2	ATF+	
28 PINK/RED	DIGITAL OUTPUT 2	53	SOL PIN 8	SS2 (SHIFT SOL 2)	