SYSTEM OUTLINE

TRACTION CONTROL IS THE SYSTEM TO REALIZE A FAVORABLE ACCELERATOR CONTROLABILITY BY MAKING THE ENGINE OUTPUT MOST APPROPRIATE FOR THE ACCELERATION UNDER EACH DRIVING CONDITION PROVIDED BY THE THROTTLE ECU.

(TRACTION OFF SW)

THIS IS THE SWITCH TO STOP THE OPERATION OF SLIP CONTROL. AFTER STARTING THE ENGINE, PRESSING THE SWITCH ONE TIME UNDER THE CONDITION THAT THE SNOW INDICATOR DOES NOT LIGHT ON, MAKES IT IN THE OPERATION STOP CONDITION (OFF), AND PRESSING IT ONE MORE TIME MAKES IT IN THE OPERATION WAITING CONDITION. IN ADDITION, RESTARTING AFTER THE ENGINE STOP MAKES IT IN THE OPERATION WAITING CONDITION WITHOUT CONCERNING THE TRACTION OFF SW.

(SNOW MODE SW)

THIS IS THE SWITCH TO FIX LOW μ LOADS CONTROL AT THE TIME OF DRIVING ON A SLIPPERY ROAD SUCH AS SNOWY ROAD. AFTER STARTING THE ENGINE, PRESSING THE SWITCH MAKES IT FIX AT LOW μ LOAD CONTROL AND SNOW INDICATOR LIGHT COMES ON. IN ADDITION, RESTARTING AFTER THE ENGINE STOP MAKES IT ALWAYS IN NORMAL CONDITION (AUTO MODE) WITHOUT CONCERNING THE SNOW MODE SW CONDITION. PRESSING THE SNOW MODE SW UNDER OPERATION PROHIBITION CONDITION OF THE TRACITION (TRAC OFF INDICATOR LIGHTS ON.) CANCELS THE OPERATION PROHIBITION OF THE TRACTION AND ALSO FIXES IT AT LOW μ LOAD CONTROL.

(TRAC OFF INDICATOR LIGHT)

THIS LIGHT COMES ON BY SELECTING THE OPERATION STOP CONDITION OF THE TRACTION CONTROL WITH TRACTION OFF SW AND ALERTS THE DRIVER TO BE IN OPERATION STOP CONDITION AND ALSO ALERTS THE DRIVER BY BLINKING IN CASE OF THE OCCURANCE OF THE SYSTEM MAULFUCTION.

SERVICE HINTS

T15 (A), T16 (B)THROTTLE ECU

WT-E1**: 0.3** VOLTS WITH THE IGNITION SW ON AND THE TRAC OFF INDICATOR LIGHT ON
9-14 VOLTS WITH THE IGNITION SW ON AND THE TRAC OFF INDICATOR LIGHT OFF
IND-E1 : **0.3** VOLTS WITH THE IGNITION SW ON AND SLIP INDICATOR LIGHT ON
: **9-14** VOLTS WITH THE IGNITION SW ON AND SLIP INDICATOR LIGHT OFF
CSW-E1: **0.3** VOLTS WITH THE IGNITION SW ON AND THE TRAC OFF SW HOLDED ON PUSHING
: **9-14** VOLTS WITH THE IGNITION SW ON AND THE TRAC OFF SW RELEASED
SIND-E1 **0.3** VOLTS WITH THE IGNITION SW ON AND THE SNOW INDICATOR LIGHT ON
9-14 VOLTS WITH THE IGNITION SW ON AND THE SNOW INDICATOR LIGHT OFF
SNOW-E1: **0.3** VOLTS WITH THE IGNITION SW ON AND THE SNOW MODE SW HELD ON PUSHING
: **9-14** VOLTS WITH THE IGNITION SW ON AND THE SNOW MODE SW RELEASED
NE-E1: PULSE GENERATION (ENGINE IDLING)
TC-E1: **4.5-5.5** VOLTS WITH THE IGNITION SW ON AND THE ENGINE NOT RUNNING
WA-E1: **9-14** VOLTS WITH THE IGNITION SW ON AND THE ABS ECU NORMAL CONDITION
0.3 VOLTS WITH THE IGNITION SW ON AND THE ABS ECU ABNORMAL CONDITION
EFIB-E1 **9-14** VOLTS WITH THE IGNITION SW ON AND THE ENGINE NOT RUNNING
IDL2-E1: **9-14** VOLTS WITH THE ENGINE RUNNING AND THE SUB THROTTLE VALVE FULLY OPEN
0-3 VOLTS WITH THE ENGINE RUNNING AND THE SUB THROTTLE VALVE FULLY CLOSED
VTA2-E1: **3.2-4.9** VOLTS WITH THE ENGINE RUNNING AND THE SUB THROTTLE VALVE FULLY OPEN
0.3-0.8 VOLTS WITH THE ENGINE RUNNING AND THE SUB THROTTLE VALVE FULLY CLOSED
BATT-E1: ALWAYS **9-14** VOLTS
+B-E1: **9-14** VOLTS WITH THE IGNITION SW ON AND ENGINE NOT RUNNING
IDL1-E1: **9-14** VOLTS WITH THE IGNITION SW ON AND THE THROTTLE VALVE FULLY OPEN
0-3 VOLTS WITH THE IGNITION SW ON AND THE THROTTLE VALVE FULLY CLOSED
VTA1-E1: **3.2- 4.9** VOLTS WITH THE IGNITION SW ON AND THE THROTTLE VALVE FULLY OPEN
0.3-0.8 VOLTS WITH THE IGNITION SW ON AND THE THROTTLE VALVE FULLY CLOSED

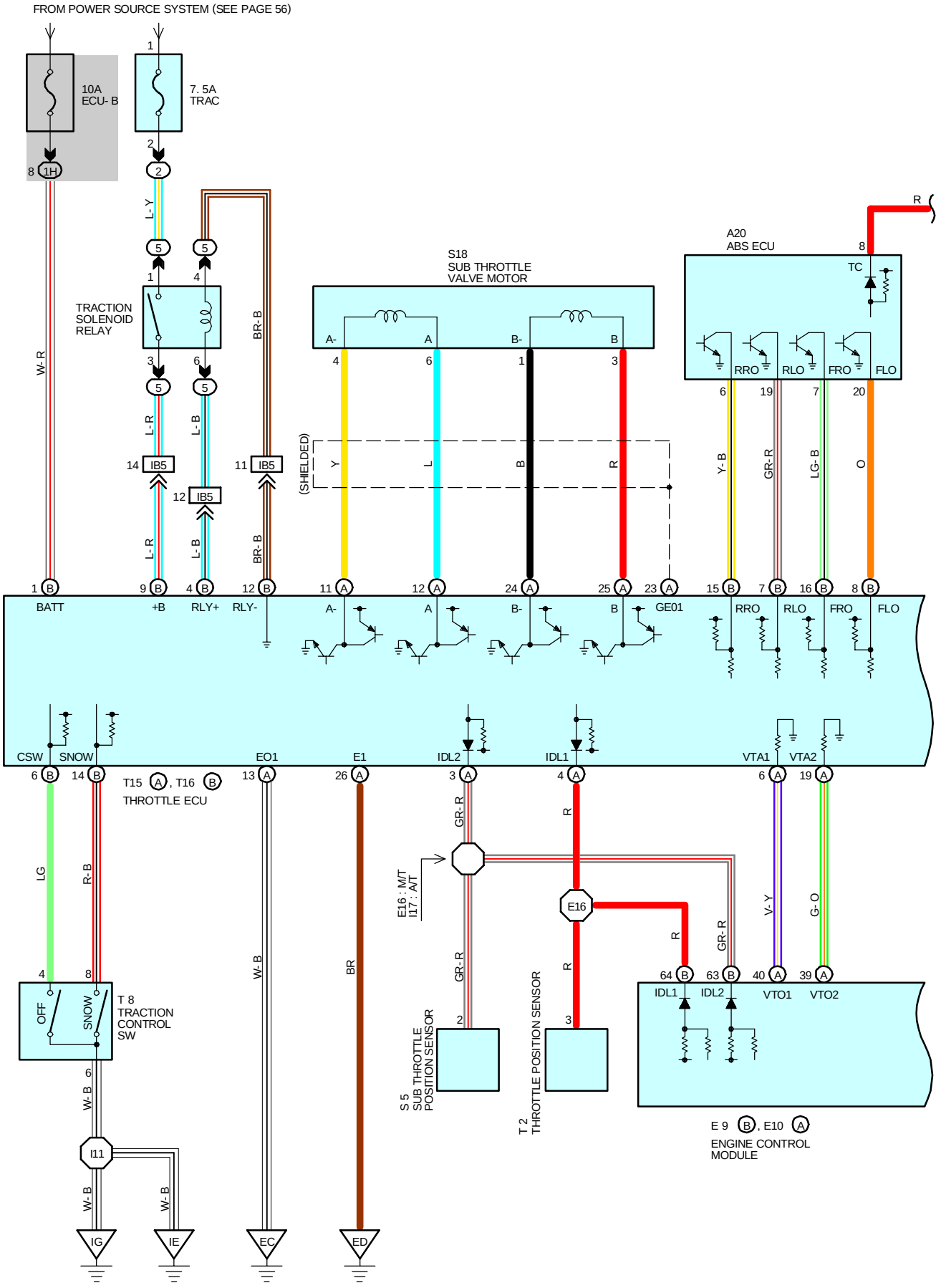
RLY+-RL Y **:9-14** VOLTS WITH THE IGNITION SW ON
A,A-,B,B+--EO1: PULSE GENERATION (ENGINE RUNNING AND THE THROTTLE VALVE FULLY CLOSED)
EFI+,EFI-, ETC+,ETC--E1: PULSE GENERATION (IGNITION SW ON)

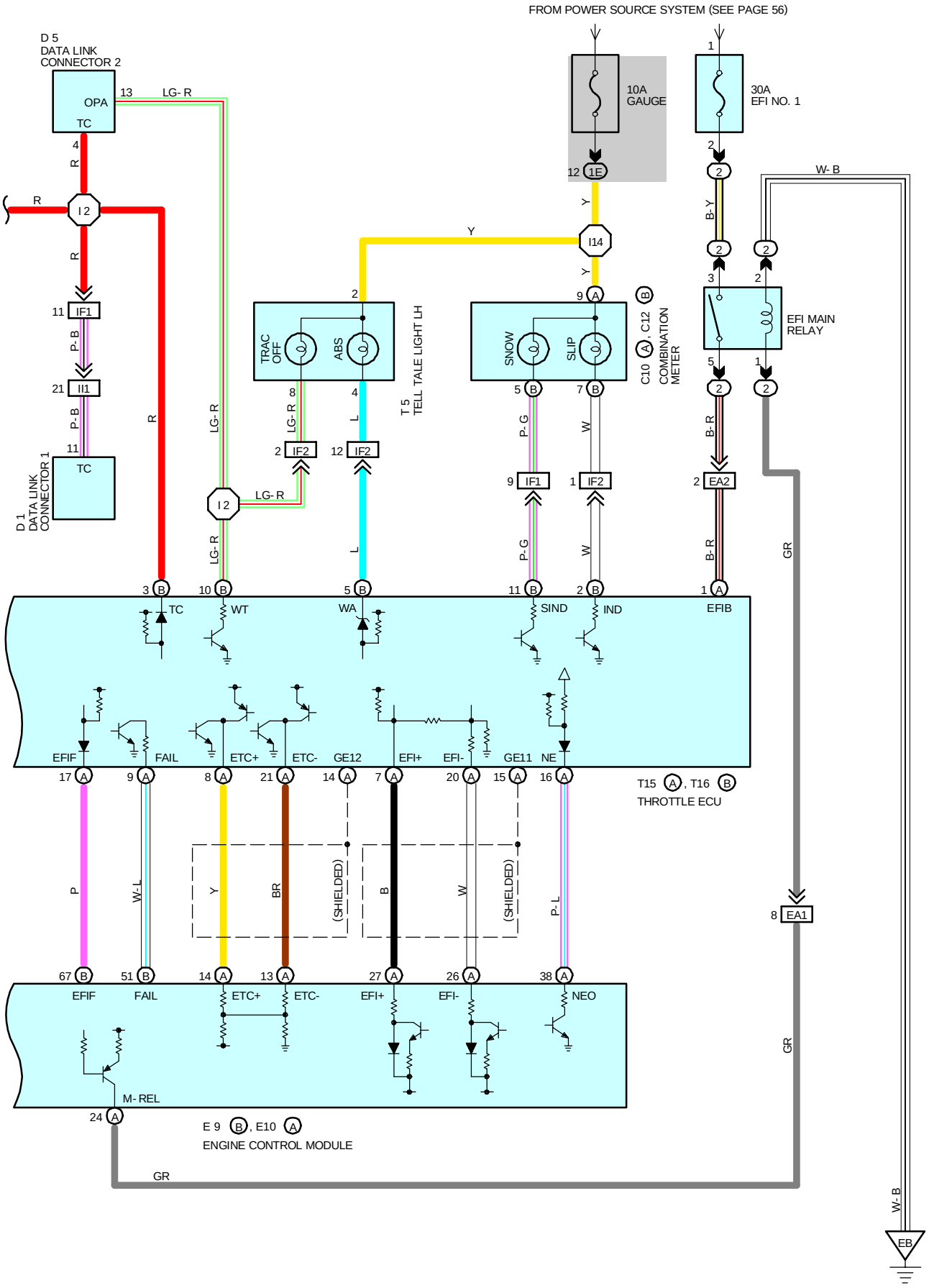
T 8 TRACTION CONTROL SW

4-6 :CLOSED WITH THE TRACTIOIN CONTROL SW AT **OFF** POSITION
8-6 :CLOSED WITH THE TRACTIOIN CONTROL SW AT **SNOW** POSITION

S18 SUB THROTTLE VALVE MOTOR

4-6, 3-1:APPROX. **0.44** Ω


FROM POWER SOURCE SYSTEM (SEE PAGE 56)
10A
ECU- B
7. 5A
TRAC
1H
TRACTION
SOLENOID
RELAY
W- R
L- Y
BR- B
L- R
L- B
BR- B
IB5
S18
SUB THROTTLE
VALVE MOTOR
(SHIELDED)
A20
ABS ECU
TC
RRO
RLO
FRO
FLO
Y- B
GR- R
LG- B
O
R
BATT
+B
RLY+
RLY-
GE01
CSW
SNOW
EO1
E1
IDL2
IDL1
VTA1
VTA2
T15 A, T16 B
THROTTLE ECU
LG
R- B
T 8
TRACTION
CONTROL
SW
OFF
SNOW
W- B
I11
IG
IE
EC
ED
BR
GR- R
E16 : M/T
I17 : A/T
E16
V- Y
G- O
S 5
SUB THROTTLE
POSITION SENSOR
T 2
THROTTLE POSITION SENSOR
IDL1
IDL2
VTO1
VTO2
E 9 B, E10 A
ENGINE CONTROL
MODULE


FROM POWER SOURCE SYSTEM (SEE PAGE 56)
D 5
DATA LINK
CONNECTOR 2
OPA
TC
13
LG- R
4
R
R
I 2
R
11
IF1
P- B
21
II1
P- B
11
TC
D 1
DATA LINK
CONNECTOR 1
LG- R
I 2
LG- R
2
IF2
8
LG- R
2
TRAC
OFF
ABS
4
L
12
IF2
T 5
TELL TALE LIGHT LH
10A
GAUGE
12
1E
Y
Y
I14
Y
9
A
B
C10
A
, C12
COMBINATION
METER
SNOW
SLIP
5
B
7
B
P- G
W
9
IF1
1
IF2
P- G
W
1
30A
EFI NO. 1
2
2
B- Y
2
2
3
2
EFI MAIN
RELAY
5
1
2
2
B- R
2
EA2
B- R
1
A
W- B
GR
3
B
10
B
5
B
11
B
2
B
1
A
TC
WT
WA
SIND
IND
EFIB
EFIF
FAIL
ETC+
ETC-
GE12
EFI+
EFI-
GE11
NE
17
A
9
A
8
A
21
A
14
A
7
A
20
A
15
A
16
A
T15
A
, T16
B
THROTTLE ECU
P
W- L
Y
BR
(SHIELDED)
B
W
(SHIELDED)
P- L
8
EA1
67
B
51
B
14
A
13
A
27
A
26
A
38
A
EFIF
FAIL
ETC+
ETC-
EFI+
EFI-
NEO
M- REL
24
A
E 9
B
, E10
A
ENGINE CONTROL MODULE
GR
GR
W- B
EB

: PARTS LOCATION

CODE	SEE PAGE	CODE	SEE PAGE	CODE	SEE PAGE
A20	28	E 9 B	29	T 5	29
C10 A	28	E10 A	29	T 8	29
C12 B	28	S 5	25(2JZ-GTE)	T15 A	29
D 1	24(2JZ-GTE)	S18	25(2JZ-GTE)	T16 B	29
D 5	28	T 2	25(2JZ-GTE)		

: RELAY BLOCKS

CODE	SEE PAGE	RELAY BLOCKS (RELAY BLOCK LOCATION)
2	22	R/B NO. 2 (ENGINE COMPARTMENT LEFT)
5	23	R/B NO. 5 (ENGINE COMPARTMENT RIGHT)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

CODE	SEE PAGE	JUNCTION BLOCK AND WIRE HARNESS (CONNECTOR LOCATION)
1E	20	INSTRUMENT PANEL WIRE AND J/B NO. 1 (LEFT KICK PANEL)
1H	20	COWL WIRE AND J/B NO. 1 (LEFT KICK PANEL)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

CODE	SEE PAGE	JOIINING WIRE HARNESS AND WIRE HARNESS (CONNECTOR LOCATION)
EA1	32(2J2-GTE)	ENGINE WIRE AND ENGINE ROOM MAIN WIRE (NEAR THE R/B NO. 2)
EA2		
IB5	36	ENGINE ROOM MAIN WIRE AND COWL WIRE (RIGHT KICK PANEL)
IF1	36	INSTRUMENT PANEL WIRE AND COWL WIRE (INSTRUMENT PANEL REINFORCEMENT LH)
IF2		
II1	38	ENGINE WIRE AND INSTRUMENT PANEL WIRE (RIGHT KICK PANEL)

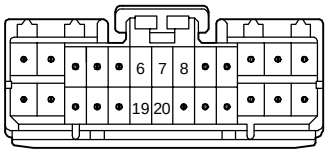
: GROUND POINTS

CODE	SEE PAGE	GROUND POINTS LOCATION
EB	32(2JZ-GTE)	FRONT SIDE OF LEFT FENDER
EC	32(2JZ-GTE)	FRONT SIDE OF INTAKE MANIFOLD
ED	32(2JZ-GTE)	REAR SIDE OF INTAKE MANIFOLD
IE	36	LEFT KICK PANEL
IG	36	RIGHT KICK PANEL

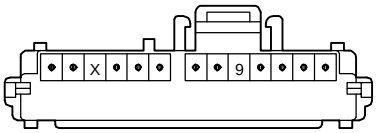
: SPLICE POINTS

CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS	CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS
E16	32	ENGINE WIRE	I14	38	INSTRUMENT PANEL WIRE
I 2	38	COWL WIRE	I17	38	ENGINE WIRE
I11					

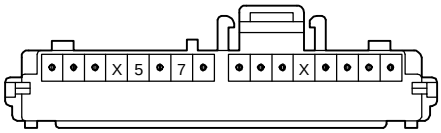
A20



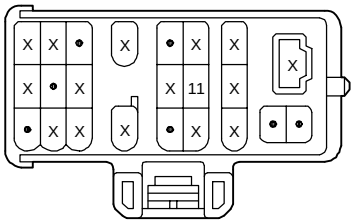
C10 (A) BLUE



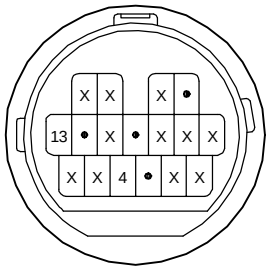
C12 (B)



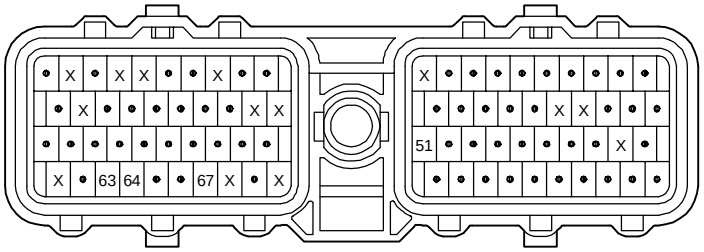
D 1 BLACK



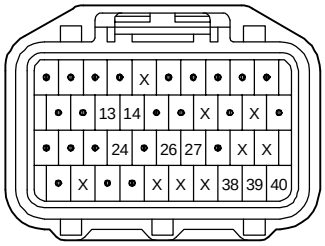
D 5 DARK GRAY



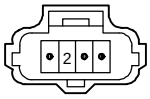
E 9 (B) DARK GRAY



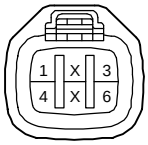
E10 (A) DARK GRAY



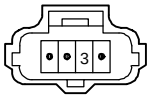
S 5 BLACK



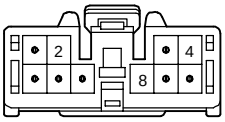
S18 BLACK



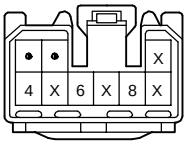
T 2 BLACK



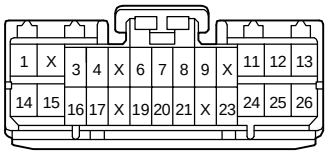
T 5



T 8



T15 (A)



T16 (B)