1997 T100
IE1 (Dark Gray, Female)
## kg206

(5VZ-FE A/T) **IE 1** DARK GRAY
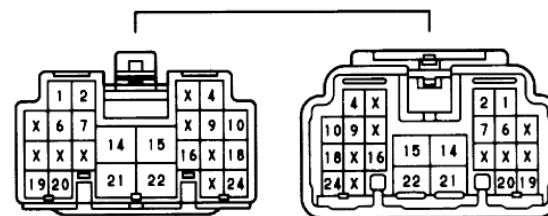
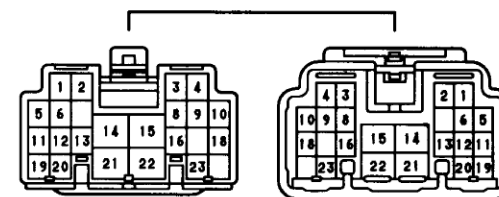| Pin Number	Color	Function
1	Red-Yellow (R-Y)	connect to pin 6 (TS) A15 to ABS ECU (BH) from pin16 (TS) data link connector 1 (D1)
2	Black-Red (B-R)	connect to splice I6 to pin25 (WA) A15 to ABS ECU (BH) from data link connector 1 (D1) pin22 (WA)
3	X	X
4	Brown (BR)	connect to I12 splice (BH) from EB ground (EH)
5	Red-Black (R-B)	connect to ABS ECU pin 9 (BH) from splice I14 (EH)
6?	Yellow-Black (Y-B)	connect to pin14 (TC) of cruise control actuator(C3) (BH) from pin11 (TC) of data link connector 1 (D1)
7	Yellow-Blue (Y-L)	connect to pin8 (IDL) of cruise control actuator (C3) (BH) from pin1 E5
8	Light Green-Red (LG-R)	connect to vsv(V8 vapor pressure) pin2 from pin13 E5 on ECU (EH)
9 ???	White-Red (W-R)	connect to I12 splice to I4 splice to pin2 circuit opening relay (BH) from splice I14 (EH)
10	Yellow-Blue (Y-L)	connect to pin3 C10 (oil gauge) (BH) from pin1 oil pressure sender
11	Brown-Black (BR-B)	connect to vsv (V7 vapor pressure sensor) pin1 (E2) (BH) from I14 splice (EH)
12	Green-Black (G-B)	connect to vsv (V7 vapor pressure sensor) pin3 (VC) (BH) from I14 splice (EH)
13	Red-Blue (R-L)	connect to vsv (V7 vapor pressure sensor) pin2 (PTNK) (BH) from pin15 E6 on ECU (EH)
14	Black-Red (B-R)	connect to ig2 (pin7) of ignition switch(BH) from ignition power (EH)
15	Black (B)	connect to pin1 starter relay(BH) from pin5 park/neutral switch (EH)
16	Green-Yellow (G-Y)	connect to pin4 circuit opening relay (BH) from pin4 E5 on ECU (EH)
17	X	X
18	Violet (V)	connect to malfunction indicator lamp pin9 (BH) from pin3 E5 (EH)
19??	White-Black (W-B)	connect to 4wd L4 detection switch D4
20 ??	Pink-Green (P-G)	connect to 4wd detection switch D5 (BH) to E4 to ECU
21	Black-White (B-W)	connect to I9 splice which goes to pin3 starter relay and pin3 circuit opening relay(BH) from pin13 E7 on ECU(EH)
22	Black-Orange (B-O)	connect to ST1(pin6) of ignition switch(BH) from park/neutral position switch(pin6) (EH)
23	Black-Blue (B-L)	connect to splice I6 to cruise control indicator light (BH) from data link connector 1 (D1) pin21 (OP3)
24	Black-Yellow (B-Y)	connect to pin4 A5 to ABS relay (BH) from data link connector 1 (D1) pin23 (WB)

1997 T100
IE2 (White, Female)

(5VZ-FE A/T) **IE 2**
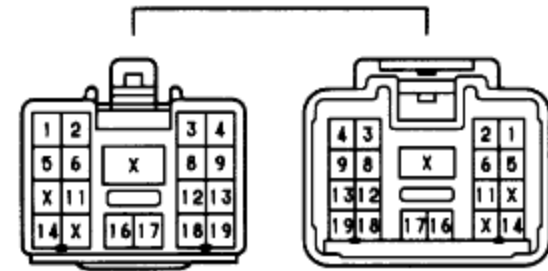
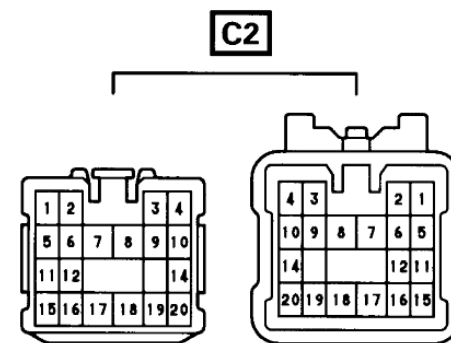| Pin Number	Color	Function
1	Violet-Yellow (V-Y)	connect to pin1 C12 combo meter (BH) from pin7 (P) A/T indicator light switch (EH)
2	Violet (V)	connect to pin 3 C12 combo meter (BH) from pin10 (N) A/T indicator light switch (EH)
3	Violet-White (V-W)	connect to I12 splice to pin6 C12 combo meter or pin3 (L) E4 on ECU from pin3 (L) A/T indicator light switch (EH)
4	White-Green (W-G)	connect to vsv V6 (EVAP) pin2 (BH) from pin15 (EVP) E5 on ECU (EH)
5	Light Green (LG)	connect to splice I9 to pin13 (D) of cruise control actuator (C3) or pin4 C12 combo meter (BH) from pin9 A/T indicator light switch (EH)
6	Pink-Green (P-G)	connect to I9 splice to pin5 C12 combo meter or pin2 (2) E4 on ECU from pin2 (2) A/T indicator light switch (EH)
7	X	X
8	Pink-Black (P-B)	data link connector 1 to SRS airbag, not used
9	Yellow-White (Y-W)	connect toI12 splice to pin10 C10 A/T parking indicator light(combo meter) or to pin17 (TFN) E4 on ECU (EH)
10	X	X
11?	Black-White (B-W)	connect to IH1 pin7 to A/C amplifier pin7
12	Black (B)	connect to pin7 C10 (tach) (BH) from igniter (EH)
13	Brown (BR)	connect to pin5 (SG) data link connector 3 (D7) (OBDII) (DH) from ground on engine block (EH)
14	Black-White (B-W)	connect to pin12 (ECT) of cruise control actuator (C3) (BH) from pin 17 E7 on ECU (EH)
15	X	X
16	Red-White (R-W)	connect to pin1 back up light relay from pin8 (R) A/T indicator light switch (EH) connect to pin1 back up light relay
17	Black-Orange (B-O)	connect to pin9 integration relay (BH) from pin4 P1 A/T indicator light switch (EH)
18	Yellow-Green (Y-G)	connect to pin6 C10 (combo meter water temp gauge) from pin1 water temp sender (EH)
19	Green- Yellow (G-Y)	connect to pin12 C10 combo meter(4wd light) (BH) from pin2 ED1 from ADD indicator switch (EH)

1992 Pickup
C1 (Dark Gray, Male)

C1 DARK GRAY
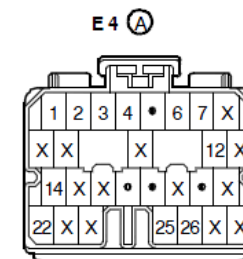
Pin Number	Color	Function
1	White-Black (W-B)	connect to pin3 of indicator switch (for transfer position ie H2, H4, L4) (EH) from pin1 V2 VSV for 4WD ADD
2	X	X
3	Violet (V)	connect to pin5 (W) T2 on ECU from pin9 C16 check engine light
4	Yellow-Green (Y-G)	connect to pin16 (OD2) T2 from O/D main switch
5	Green-White (G-W)	connect to pin6 (STP) T2 on ECU from pin1 S8 stop light switch
6	Blue (L)	connect to pin1 (FP) C3 on check connector (EH) from pin1 circuit opening relay
7	Blue-Black (L-B)	connect to pin19 T2 on ECU from pin1 A/C amplifier
8	Red-Yellow (R-Y)	connect to pin16 (TS) of check connector from pin14 (TS) on ABS ECU
9	Blue-Black (L-B)	connect to pin15 (TC) of check connector (BH) from pin6 (TC) of ABS ECU (EH)
10	Black-Green (B-G)	connect topin1 (BATT) T2 on ECU from A4 pin1 from 15A EFI fuse from pin5 EFI main relay
11	X	X
12	White-Green (W-G)	connect to pin18 (SEL1) T2 on ECU from ground E
13???	Brown (BR)	connect to pin2 S10 short pin to pin17 (SEL2) (2wd A/T from ground E not used?
14	Black-Red (B-R)	connect to E18 splice(to injectors) toE22 splice to pin3 ignitor or pin1(+) ignition coil (EH) from pin7 (IG2) ignition switch
15???	Black-Red (B-R)	connect to pin3 N1 neutral start switch from pin 13 (N&C) cruise control ECU and: connect to I15 splice to pin2 neutral start switch (EH) from pin3 circuit opening relay
16	White-Red (W-R)	connect to splice I15 to pin12 (+B) and pin13 (+B1) of T2 on ECU from pin3 EFI main relay
17	X	X
18	Green-White (G-W)	connect to I15 splice to pin6 transfer pressure switch (ADD) (EH) from pin2 ADD control relay (BH)
19	Pink (P)	connect to water temp switch from pin1 A21 A/C cut relay
20	Green-Blue (G-L)	connect to pin9 (SPI) T2 on ECU from pin6 C14 speed sensor combo meter (speedometer)
21	Yellow (Y)	connect to pin21 (OD1) T2 on ECU from cruise control ECU pin7 (O/D)
22	Black-White (B-W)	connect to pin3 (N1) neutral start switch (EH) from starter relay pin3 (BH)
23	Green-Yellow (G-Y)	connect to pin2 (FC) A4 air flow meter (EH) from pin4 circuit opening relay (BH)
24	X	X

1992 Pickup
C2 (White, Male)

| Pin Number	Color	Function
1	Light Green (LG)	connect to pin4 (OIL) T2 on ECU from pin4 C16 A/T oil temp light
2	Green-Yellow (G-Y)	connect to I15 splice to pin6 transfer pressure switch(ADD) (EH) from pin2 D5 diode(ADD) from I13 splice from pin2 ADD control relay
3	X	X
4	X	X
5	Blue (L)	connect to A/C idle up VSV pin2 from EFI main relay
6	Black-Red (B-R)	connect to I15 splice to pin1 A/C idle up VSV from pin9 A/C amplifier
7	Red-Black (R-B)	connect to pin4 (R) A/T indicator switch (neutral start switch) from pin2 C15 combo meter (backup lights)
8	Black-Orange (B-O)	connect to pin9 A/T indicator switch (neutral start switch) from integration relay pin9 (backup lights)
9	Red Green (R-G)	connect to I15 splice to pin6 (S2) T4 on ECU from cruise control ECU pin9 (ECT)
10	Green-Red (G-R)	connect to pin2 ADD indicator switch from 4wd indicator (combo meter)
11	Yellow-Blue (Y-L)	connect to pin1 oil pressure sender from pin3 C13 combo meter (oil pressure light)
12	X	X
13	Green-Blue (G-L)	connect to pin2 speed sensor from pin10 C15 combo meter (speedo?)
14	Yellow-Green (Y-G)	connect to water temp. sender from pin6 C13 combo meter (temp gauge)
15	Black-White (B-W)	connect to I15 splice to A/C magnetic clutch or pin10 T2 on ECU from pin7 A/C amplifier
16	X	X
17	X	X
18	Green-Orange (G-O)	connect to pin7 (PWR) T2 on ECU from I11 splice from pin2 (PWR) ECT select patern switch
19	Green-Red (G-R)	connect to pin3 speed sensor from pin1 C16 combo meter (speedo)?
20	Black (B)	connect to pin4ignition coil from pin7 C13 combo meter, tachometer

1997 T100
E4 (female)

E4 Ⓐ

Pin Number	Color	Function
1	Red-Black (R-B)	(R) to I6 splice to pin16 IE2 to pin8 (R) A/T indicator light switch (park neutral position switch) [or to pin2 reverse light combo meter, not used]
2	Pink-Green (P-G)	(2) to I9 splice to pin6 IE2 to pin2 (2) A/T indicator light switch (park neutral position switch) [or to pin5 2 light combo meter, not used]
3	Violet-White (V-W)	(L) to I12 splice to pin3 IE2 to pin3 (L) A/T indicator light switch (park neutral position switch) [or pin6 L light combo meter, not used]
4	Light Green (LG)	(OIL-W) to pin4 C13 A/T oil temp light combo meter
5	Blue-Black (L-B)	(ACT) to IH1 pin4 to A/C amplifier pin1
6	Yellow-Green (Y-G)	(OD2) to I5 splice to pin1 O3 O/D main switch, I5 splice also to O/D light combo meter pin7
7	Yellow-Red (Y-R)	(OD1) to pin1 (OD) cruise control actuator with ECU
8	X	X
9	X	X
10	X	X
11	X	X
12	Green (G)	(SP1) to pin6 combo meter, speedometer (vehicle speed sensor)
13	X	X
14	Black-Green (B-G)	(BATT) to pin8 EA1 to 15A EFI fuse to pin5 EFI relay
15	X	X
16	X	X
17	Yellow (Y)	(TFN) to I12 splice to pin9 IE2 to pin1 detection switch (transfer neutral position) or pin10 C10
18	White (W)	(SDL) connect to pin2 (SDL) data link connector 3 (OBDII)
19	X	X
20	Black-Red (B-R)	(AC1)to IH1 pin8 to A/C amplifier pin9
21	X	X
22	White-Red (W-R)	(+B) to pin9 EA1 to pin3 EFI relay
23	X	X
24	X	X
25	Green-White (G-W)	(BK) to stop light switch pin1 to 15A stop fuse to power source

26	Pink-Green (P-G)	(4WD)to IE1 pin20 to detection switch(transfer position 4WD) pin2
27	X	X
28	X	X

1997 T100
IE1 (Dark Gray, Female)
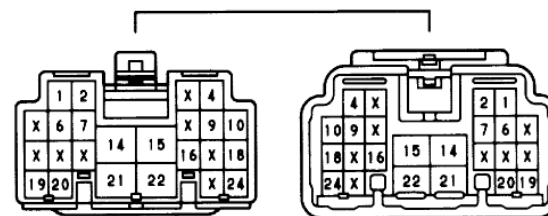
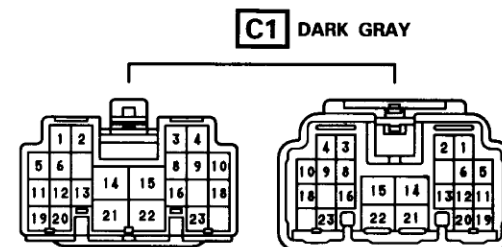| Pin Number	Color	Connect to
1	Red-Yellow (R-Y)	C1 8
2	Black-Red (B-R)	Connect to A16 ABS check connector plug,(Male)
3	X	X
4	Brown (BR)	connect directly to OBD II ground, see Monch's wiring
5	Red-Black (R-B)	No such thing on '92 ABS ECU, leave unconnected
6	Yellow-Black (Y-B)	C1 9
7	Yellow-Blue (Y-L)	Possibly not used, no IDL pin on '92 cruise ECU, leave unconnected
8	Light Green-Red (LG-R)	directly connect to VSV vapor pressure pin2, see diagram 1
9	White-Red (W-R)	directly connect to wire from E4 22, see diagram 1
10	Yellow-Blue (Y-L)	C2 11
11	Brown-Black (BR-B)	directly connect to vapor pressure sensor pin1, see diagram 2
12	Green-Black (G-B)	directly connect to vapor pressure sensor pin3, see diagram 2
13	Red-Blue (R-L)	directly connect to vapor pressure sensor pin2, see diagram 2
14	Black-Red (B-R)	C1 14
15	Black (B)	directly connect to pin1 of starter relay
16	Green-Yellow (G-Y)	C1 23
17	X	X
18	Violet (V)	C1 3
19	White-Black (W-B)	C1 1
20	Pink-Green (P-G)	C1 18 and to E4 26 (In same splice)
21	Black-White (B-W)	C1 22 and to C1 15, starter, see starting diagram
22	Black-Orange (B-O)	directly connect to black wire pulled off pin1 starter relay (see pin IE1 15)
23	Black-Blue (B-L)	connect directly to B-Y wire (pin4 Pl) off of cruise control ECU, between ECU and cruise control indicator light in combo meter
24	Black-Yellow (B-Y)	Connect to A15 ABS check connector(Female)

1997 T100
IE2 (White, Female)

(5VZ-FE A/T) **IE 2**
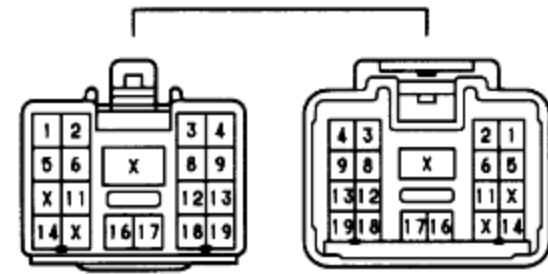
Pin Number	Color	Connect to
1	Violet-Yellow (V-Y)	not used (P dash light)
2?	Violet (V)	not used (N dash light)
3	Violet-White (V-W)	E4 3
4	White-Green (W-G)	directly connect to VSV EVAP pin2, see diagram 1
5	Light Green (LG)	????? left unconnected
6	Pink-Green (P-G)	E4 2
7	X	X
8	Pink-Black (P-B)	not used (airbags)
9	Yellow-White (Y-W)	E4 17
10	X	X
11	Black-White (B-W)	C2 15
12	Black (B)	C2 20
13	Brown (BR)	directly connect to pin5 (SG) data link connector 3 (OBDII)
14	Black-White (B-W)	C2 9
15	X	X
16	Red-White (R-W)	C2 7
17	Black-Orange (B-O)	C2 8
18	Yellow-Green (Y-G)	C2 14
19	Green- Yellow (G-Y)	C2 10

1992 Pickup
C1 (Dark Gray, Male)

Pin Number	Color	Connect to
1	White-Black (W-B)	IE1 19
2	X	X
3	Violet (V)	IE1 18
4	Yellow-Green (Y-G)	E$ 6
5	Green-White (G-W)	E4 25
6	Blue (L)	just goes to check connector, no longer used
7	Blue-Black (L-B)	E4 5
8	Red-Yellow (R-Y)	IE1 1
9	Yellow-Black (L-B)	IE1 6
10	Black-Green (B-G)	E4 14
11	X	X
12	White-Green (W-G)	ground for '92 ECU no longer used
13	Brown (BR)	not used
14	Black-Red (B-R)	IE1 14
15	Black-Red (B-R)	see starting diagram
16	White-Red (W-R)	see diagram 1, connect to wire from E4 22
17	X	X
18	Green-White (G-W)	IE1 20, also to I6 6 from transmission
19	Pink (P)	No longer used
20	Green-Blue (G-L)	E4 12
21	Yellow (Y)	E4 7
22	Black-White (B-W)	see starting diagram
23	Green-Yellow (G-Y)	IE1 16
24	X	X

1992 Pickup
C2 (White, Male)

C2
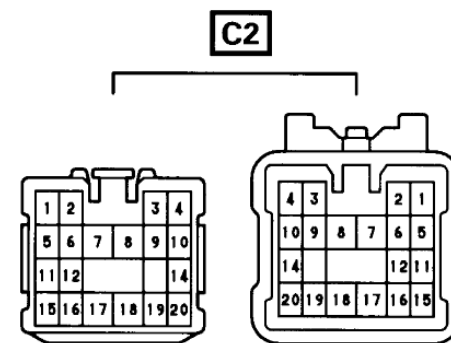
Pin Number	Color	Connect to
1	Blue-White (B-W)	E4 4
2	Green-Yellow (G-Y)	Directly connect to I6 6 from transmission
3	X	X
4	X	X
5	Blue (L)	No longer used, for A/C idle up
6	Black-Red (B-R)	E4 20
7	Red-Black (R-B)	IE2 16
8	Black-Orange (B-O)	IE2 17, and also connect directly to S11 pin1 plug on transfer case
9	Red Green (R-G)	IE2 14
10	Green-Red (G-R)	IE2 19
11	Yellow-Blue (Y-L)	IE1 10
12	X	X
13	Green-Blue (G-L)	Connect directly to S11 pin2 plug on transfer case
14	Yellow-Green (Y-G)	IE2 18
15	Black-White (B-W)	IE2 11
16	X	X
17	X	X
18	Green-Orange (G-O)	No longer used
19	Green-Red (G-R)	Connect directly to S11 pin3 plug on transfer case
20	Black (B)	IE2 12

1997 T100
E4 (female)

E4 Ⓐ
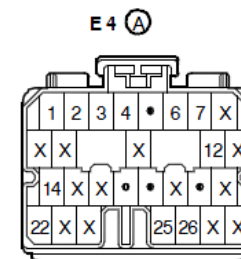
Pin Number	Color	Connect to
1	Red-Black (R-B)	Splice into C2 7 (R-B wire) in conversion harness before C2 connector
2	Pink-Green (P-G)	IE2 6
3	Violet-White (V-W)	IE2 3
4	Light Green (LG)	C2 1
5	Blue-Black (L-B)	C1 7
6	Yellow-Green (Y-G)	C1 4
7	Yellow-Red (Y-R)	C1 21
8	X	X
9	X	X
10	X	X
11	X	X
12	Green (G)	C1 20
13	X	X
14	Black-Green (B-G)	C1 10
15	X	X
16	X	X
17	Yellow (Y)	IE2 9
18	White (W)	Connect directly to OBDII (SDL) pin2
19	X	X
20	Black-Red (B-R)	C2 6
21	X	X
22	White-Red (W-R)	C1 16, see diagram 1
23	X	X
24	X	X
25	Green-White (G-W)	C1 5
26	Pink-Green (P-G)	Splice into wire going into IE1 20, see notes/4wd diagram
27	X	X
28	X	X