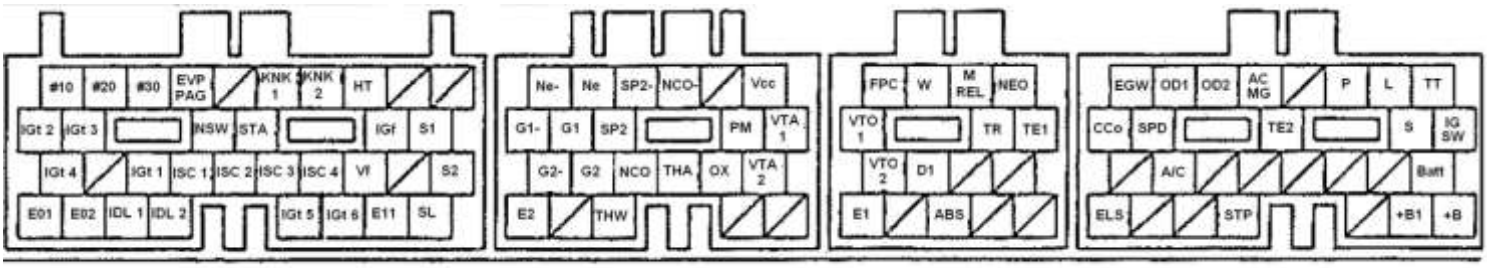
TOYOTOA SOARER JZZ30 1JZ-GTE AUTO, ECU PINOUT POINTS



X	W	U	T
#10, Injectors 1,4	**Ne-**, Crank Sensor (shielded)	**FPC**, Fuel Pump Control Relay	~~**EGW**, Exhaustgas Warning Light~~
#20, Injectors 3,5	**Ne**, Crank Pos Sensor (shielded)	~~**W**, Check Engine Warning Light~~	~~**OD1**, Cruise Control~~
#30, Injectors 2,6	~~**SP2** , Speed Sensor (gearbox)~~	**M REL**, Main Relay Sw Ground	~~**OD2**, O/Drive Switch~~
~~**EVP PAG**, Kolkanister Solenoid~~	~~**NCO** , Speed Sensor (For OD)~~	~~**NEO**, Traction Control~~	~~**ACMG**, AC Magnetic Clutch~~
Empty	Empty	~~**VTO 1**, Traction Control~~	Empty
KNK 1, Knock Sensor 1	**Vcc**, Map Sensor	~~**TR**, Traction Control~~	~~**P**, Pattern Select Switch~~
KNK 2, Knock Sensor 2	**G1-**, Cam Positon Sensor	**TE1**, Diagnostics Plug	~~**L**, A/T Indicator Switch~~
HT, Oxygen Sensor Heater	**G1**, Cam Positon Sensor	~~**VTO 2**, Traction Control~~	~~**TT**, Test Plug (kick panel)~~
Empty	~~**SP2**, Speed Sensor (gearbox)~~	**D1**, Fuel Pump Control Relay	~~**CCo**, Exhaust Sensor~~
Empty	**PM**, Map Sensor	Empty	~~**SPD**, Speed Sensor~~
IGT 2, Igniter	**VTA 1**, Primary Throttle	Empty	~~**TE2**, Test Plug (kick panel)~~
IGT 3, Igniter	**G2-**, Cam Positon Sensor	**E1**, Earth	~~**S**, A/T Indicator Switch~~
NSW, Start Control from AM1	**G2**, Cam Positon Sensor	Empty	**IGSW**, Ignition Switch AM2
STA, Neutral Start Switch (A/T)	~~**NCO**, Speed Sensor (For O/D)~~	~~**ABS**, ABS Computer~~	Empty
IGF, RPM1 (igniter verification)	**THA**, Air Temp Sensor	Empty	~~**A/C**, A/C Idle Up Control~~
~~**S1**, Auto Solenoid~~	**OX**, Oxygen Sensor	Empty	Empty
IGT 4, Igniter	**VTA 2**, Throttle Traction Control		Empty
Empty	**E2**, Map Sensor		Empty
IGT 1, Igniter	Empty		Empty
ISC 1, Idle Speed Control Valve	**THW**, Water Temp Sensor		Empty
ISC 2, Idle Speed Control Valve	Empty		**Batt**, Battery
ISC 3, Idle Speed Control Valve	Empty		~~**ELS**, External Load In (taillight?)~~
ISC 4, Idle Speed Control Valve			Empty
VF, Diagnostics Plug			Empty
Empty			~~**STP**, Stop Light Switch~~
~~**S2**, Auto Solenoid~~			Empty
E01, Earth, Manifold			**+B1**, Swithed Power Main Relay
E02, Earth, Manifold			**+B**, Swithed Power Main Relay
IDL 1, Primary Throttle			
IDL 2, Sub Throttle (traction)			
IGT 5, Igniter			
IGT 6, igniter			
E11, Earth			
~~**SL**, Lock-Up Auto Solenoids~~			

On the ECU, you'll have to get the **M-REL, BATT, +B, +B1, and IG-SW** ran to the appropriate places. You'll also need to verify that **E1, E2, E01, E02, TE1, and TE2** (all grounds of one sort or another) are all connected correctly. This should allow the engine to start assuming the ECU is similar to the 7M (which I've heard it is). I believe the "TEx" wires you leave alone since they are diagnostic in nature.

IG-SW = power**ed** by Ignition Switch
M-REL = Power**s** Main Relay behind fuse box in engine bay
+B & +B1 = Power**ed** when main relay makes connection.