

# 1GGTEU

Code No.	System	Diagnosis	Trouble Area
11	ECU (+B)	Wire severance, however slight, in +B (ECU)	1. Main relay circuit 2. Main relay 3. ECU
12	RPM signal	No G1,G2,Ne signal to ECU within several seconds after engine is cranked.	1. Distributor circuit 2. Distributor 3. Starter signal circuit 4. ECU
13	RPM signal	No Ne signal to ECU within several seconds after engine reaches 1000 rpm.	Same as 12. above.
14	Ignition signal	No signal from igniters three times in succession	1. Igniter Circuit (+B, 1Gt, 1Gf) 2. Igniter 3. ECU
21	O2 sensor	Engine reaches 1500 rpm and coolant is >50c for a period of time (engine temp stabilised) and O2 sensor shows lean for several seconds	1. Oxygen circuit (O2,V2) 2. O2 sensor 3. ECU
22	Water thermo sensor signal	Open or short circuit in coolant temperature sensor	1. Coolant temp. circuit 2. Coolant temp. sensor 3. ECU
24	Intake air thermo sensor signal	Open or short circuit in intake air temperature sensor	1. Air intake temp. circuit 2. Air intake temp sensor 3. ECU
31	Air flow meter signal	Open circuit in E2 or Vc and E2 short circuited when idle points are closed	1. Air flow meter circuit 2. Air flow meter 3. ECU
32	Air flow meter signal	Open circuit in E2 or Vc and Vs short circuited	1. Air flow meter circuit 2. Air flow meter 3. ECU
34	Over Boost (Air to Water Intercooler)	Water temp. > 70c and high turbo boost has resulted in fuel cut (Note – This signal may appears instead of 31)	1. Over boost circuit 2. ECU
35	Pressure sensor	Water temp. > 70c and low intake airflow and high boost pressure.	1. Pressure sensor circuit 2. Pressure sensor 3. ECU
41	Throttle position sensor	Simultaneous IDL and PSW signal to ECU	1. Throttle position sensor circuit 2. Throttle position sensor 3. ECU

42	Vehicle speed sensor signal	Signal informing ECU that vehicle speed is 2 km/h or less has been input to the ECU for 5 seconds with engine running at 3,000 rpm or more	<ol style="list-style-type: none"> <li>1. Vehicle speed sensor circuit</li> <li>2. Vehicle speed sensor</li> <li>3. ECU</li> </ol>
43	Starter signal (+B)	No vehicle speed and no STA signal to ECU when engine is running over 800rpm	<ol style="list-style-type: none"> <li>1. Main relay circuit</li> <li>2. IG switch circuit (starter)</li> <li>3. IG switch</li> <li>4. ECU</li> </ol>
51	Switch signal	Air conditioning switch on or gear selector not in N or Pk during diagnostic check	
52	Knock sensor	Engine at > 2000 rpm and no signal received from knock sensor	<ol style="list-style-type: none"> <li>1. Knock sensor circuit</li> <li>2. Knock sensor</li> <li>3. ECU</li> </ol>
54	Intercooler computer	No signal received from water intercooler computer	<ol style="list-style-type: none"> <li>1. Intercooler computer circuit</li> <li>2. Intercooler computer</li> <li>3. ECU</li> </ol>