

Error Codes TOYOTA SUPRA MA70

Code	Error
11	<p>ECU(+B)</p> <p>Diagnosis</p> <ul style="list-style-type: none"> • Momentary interruption in power supply to ECU. <p>Trouble Area</p> <ul style="list-style-type: none"> • Ignition switch circuit • Ignition switch • Main relay circuit • Main relay • ECU
12	<p>RPM Signal</p> <p>Diagnosis</p> <ul style="list-style-type: none"> • No "NE" or "G" signal to ECU within 2 seconds after engine has been cranked. <p>Trouble Area</p> <ul style="list-style-type: none"> • Distributor, or CPS, circuit • Distributor or CPS • Starter signal circuit • ECU
13	<p>RPM Signal</p> <p>Diagnosis</p> <ul style="list-style-type: none"> • No "NE" signal to ECU when engine speed is about 1,000 RPM. <p>Trouble Area</p> <ul style="list-style-type: none"> • Distributor, or CPS, circuit • Distributor or CPS • ECU
14	<p>Ignition Signal</p> <p>Diagnosis</p> <ul style="list-style-type: none"> • No "IGF" signal to ECU "A" times in succession. A = 6-8 (7M-GE)

	<p style="text-align: center;">A= 3 (7M-GTE)</p> <p>Trouble Area</p> <ul style="list-style-type: none"> • Igniter and ignition coil circuit • Igniter and ignition coil • ECU
21	<p>Oxygen Sensor Signal</p> <p>Diagnosis</p> <ul style="list-style-type: none"> • Detection of oxygen sensor deterioration. <p>Trouble Area</p> <ul style="list-style-type: none"> • Oxygen sensor circuit • Oxygen sensor • ECU
22	<p>Water Temp Sensor Signal</p> <p>Diagnosis</p> <ul style="list-style-type: none"> • Open or short circuit in water temp sensor signal (THW). <p>Trouble Area</p> <ul style="list-style-type: none"> • Water temp sensor circuit • Water temp sensor • ECU
24	<p>Intake air Temp Sensor Signal</p> <p>Diagnosis</p> <ul style="list-style-type: none"> • Open or short circuit in intake air temp sensor signal (THA). <p>Trouble Area</p> <ul style="list-style-type: none"> • Intake air temp sensor circuit • Intake air temp sensor • ECU
25	<p>Air-Fuel Ratio Lean Malfunction</p> <p>Diagnosis</p> <ul style="list-style-type: none"> • When air-fuel ratio feedback compensation value or adaptive control value

	<p>continues at the upper(lean) or lower(rich) limit renewed for a certain period of time.</p> <ul style="list-style-type: none"> • When air-fuel ration feedback compensation value or adaptive control value feedback frequency is abnormally high during feedback condition. • When marked variation is detected in engine revolutions for each cylinder during idle switch on and feedback condition. <p>Trouble Area</p> <ul style="list-style-type: none"> • Injector circuit • Injector • Fuel line pressure • Air flow meter • Air intake system • Oxygen sensor circuit • Oxygen sensor • Ignition system • Water temp sensor • ECU
26	<p>Air-Fuel Ratio Rich Malfunction</p> <p>Diagnosis</p> <ul style="list-style-type: none"> • When air-fuel ratio feedback compensation value or adaptive control value continues at the upper(lean) or lower(rich) limit renewed for a certain period of time. • When air-fuel ration feedback compensation value or adaptive control value feedback frequency is abnormally high during feedback condition. • When marked variation is detected in engine revolutions for each cylinder during idle switch on and feedback condition. <p>Trouble Area</p> <ul style="list-style-type: none"> • Injector circuit • Injector • Fuel line pressure • Air flow meter • Cold start injector • Oxygen sensor circuit • Oxygen sensor • Water temp sensor • ECU
27	<p>Sub-Oxygen Sensor Signal or Sensor Heater</p> <p>Diagnosis(Sub-Oxygen Sensor Signal)</p>

	<ul style="list-style-type: none"> • Open or short circuit in sub-oxygen sensor signal (OX2). <p>Trouble Area</p> <ul style="list-style-type: none"> • Sub-oxygen sensor circuit • Sub-oxygen sensor • ECU
	<p>Diagnosis(Sub-Oxygen Sensor Heater)</p> <ul style="list-style-type: none"> • Open or short circuit in sub-oxygen sensor heater (HT). <p>Trouble Area</p> <ul style="list-style-type: none"> • Sub-oxygen sensor heater circuit • Sub-oxygen sensor heater • ECU
31	<p>Air Flow Meter Signal</p> <p>Diagnosis</p> <ul style="list-style-type: none"> • (7M-GE) Open circuit in VC signal or short circuit between VS and E2 when idle contacts are closed. • (7M-GTE) Open or short circuit in air flow meter signal. <p>Trouble Area</p> <ul style="list-style-type: none"> • Air flow meter circuit • Air flow meter • ECU
32	<p>Air Flow Meter Signal(7M-GE) HAC Sensor Signal(7M-GTE)</p> <p>Diagnosis(Air Flow Meter Signal(7M-GE))</p> <ul style="list-style-type: none"> • Open circuit in E2 or short circuit between VC and VS. <p>Trouble Area</p> <ul style="list-style-type: none"> • Air flow meter circuit • Air flow meter • ECU
	<p>Diagnosis(HAC Sensor Signal(7M-GTE))</p>

	<ul style="list-style-type: none"> • Open circuit or short circuit in HAC sensor signal. <p>Trouble Area</p> <ul style="list-style-type: none"> • ECU
34	<p>Turbocharger Pressure</p> <p>Diagnosis</p> <ul style="list-style-type: none"> • The turbocharger pressure is abnormal. <p>Trouble Area</p> <ul style="list-style-type: none"> • Turbocharger • Air flow meter • ECU • Intercooler system
41	<p>Throttle Position Sensor Signal</p> <p>Diagnosis</p> <ul style="list-style-type: none"> • Open or short circuit in throttle position sensor signal. <p>Trouble Area</p> <ul style="list-style-type: none"> • Throttle position sensor circuit • Throttle position sensor • ECU
42	<p>Vehicle Speed Sensor Signal</p> <p>Diagnosis</p> <ul style="list-style-type: none"> • No "SPD" signal to ECU for 8 seconds when engine speed is between 2,500RPM and 4,500RPM (7M-GE) or 4,000RPM (7M-GTE) and coolant temp is below 80°C(176°F) and neutral start switch is off. <p>Trouble Area</p> <ul style="list-style-type: none"> • Vehicle speed sensor circuit • Vehicle speed sensor • ECU
43	<p>Starter Signal</p> <p>Diagnosis</p>

	<ul style="list-style-type: none"> No "STA" signal to ECU until engine speed reaches 800RPM with vehicle not moving. <p>Trouble Area</p> <ul style="list-style-type: none"> Ignition switch circuit. Ignition switch ECU
51	<p>Switch Signal</p> <p>Diagnosis</p> <ul style="list-style-type: none"> No "IDL" signal, "NSW" signal or "A/C" signal to ECU, during diagnosis check. <p>Trouble Area</p> <ul style="list-style-type: none"> A/C switch circuit A/C switch A/C amplifier Throttle position sensor circuit Throttle position sensor ECU
52	<p>Knock Sensor Signal</p> <p>Diagnosis</p> <ul style="list-style-type: none"> Open or short circuit in knock sensor signal. <p>Trouble Area</p> <ul style="list-style-type: none"> Knock sensor circuit Knock sensor ECU
53	<p>Knock Control Signal in ECU</p> <p>Diagnosis</p> <ul style="list-style-type: none"> Knock control program faulty. <p>Trouble Area</p> <ul style="list-style-type: none"> ECU

71	EGR System Malfunction
	<p data-bbox="261 233 391 275">Diagnosis</p> <ul data-bbox="407 306 1289 384" style="list-style-type: none"><li data-bbox="407 306 1289 348">• EGR gas temp below predetermined level during EGR operation.<li data-bbox="407 348 1289 384">• Open circuit in EGR gas temp sensor signal (THG). <p data-bbox="261 422 440 464">Trouble Area</p> <ul data-bbox="407 495 987 709" style="list-style-type: none"><li data-bbox="407 495 987 537">• EGR system (EGR valve, EGR hose etc.)<li data-bbox="407 537 987 579">• EGR gas temp sensor circuit<li data-bbox="407 579 987 621">• EGR gas temp sensor<li data-bbox="407 621 987 663">• VSV for EGR circuit<li data-bbox="407 663 987 705">• VSV for EGR<li data-bbox="407 705 987 747">• ECU