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# OUTLINE OF CHANGES

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## WIRING HARNESS CONFIGURATION DIAGRAMS

Connector symbol	Name		Reference page	Description of changes
A	ENGINE COMPARTMENT	4G1 engine <L.H. drive vehicles>	2-2	<ul style="list-style-type: none"> <li>The wiring harness configuration diagram has been changed from the 4G13 engine to the 4G1 engine due to the addition of the 4G18 engine model.</li> <li>An applicable class &lt;M/T&gt; has been added to the vehicle speed sensor (A-71) due to the abolishment of the vehicle speed sensor from the A/T vehicle.</li> </ul>
		4G1 engine <R.H. drive vehicles>	2-6	
B	DASH PANEL	L.H. drive vehicles	–	<ul style="list-style-type: none"> <li>The applicable class of the following connectors has been changed due to the addition of the 4G18 engine model. <ul style="list-style-type: none"> <li>The applicable class of the engine control relay &lt;4G13, 4G93&gt; (B-26) has been changed to &lt;Petrol&gt;.</li> <li>The applicable class of the main relay &lt;F9Q1&gt; (B-26) has been changed to &lt;Diesel&gt;.</li> <li>The applicable class of the fuel pump relay &lt;4G13, 4G93&gt; (B-27) has been changed to &lt;Petrol&gt;.</li> <li>The applicable class of the engine-ECU &lt;4G13&gt; (B-28, B-29, B-30, B-31) has been changed to &lt;4G1-M/T&gt;.</li> </ul> </li> <li>The applicable class of the diagnosis connector &lt;4G13, 4G93&gt; (B-33) has been changed to &lt;Petrol&gt;.</li> <li>The applicable class of the stop lamp switch &lt;4G13, 4G93&gt; (B-39) has been changed to &lt;Petrol&gt;.</li> <li>The applicable class of the control wiring harness and body wiring harness combination &lt;4G93, F9Q1&gt; (B-89) has been changed to &lt;Excluding 4G1-M/T&gt;.</li> <li>The applicable class of the oxygen sensor (Rear) &lt;4G13&gt; (B-90) has been changed to &lt;4G1&gt;.</li> <li>The wide-open throttle switch &lt;A/T&gt; (B-92) connector has been abolished.</li> </ul>
		R.H. drive vehicles	–	
D	FLOOR AND ROOF	L.H. drive vehicles	–	<ul style="list-style-type: none"> <li>The applicable class of the fuel pump and gauge unit assembly &lt;4G13, 4G93&gt; (D-13) has been changed to &lt;Petrol&gt; due to the addition of the 4G18 engine model.</li> </ul>
		R.H. drive vehicles		

## SINGLE PART INSTALLATION POINT

Location changes	Reference page	Description of changes
RELAY	–	<ul style="list-style-type: none"> <li>The applicable class of the following connectors has been changed from &lt;4G13&gt; to &lt;4G1&gt; due to the addition of the 4G18 engine model.                             <ul style="list-style-type: none"> <li>Condenser fan relay (LO)</li> <li>Condenser fan relay (HI)</li> <li>Radiator fan relay</li> </ul> </li> </ul>
SENSOR	–	<ul style="list-style-type: none"> <li>The applicable class of the following connectors has been changed from &lt;4G13&gt; to &lt;4G1&gt; due to the addition of the 4G18 engine model.                             <ul style="list-style-type: none"> <li>Camshaft position sensor</li> <li>Crank angle sensor</li> <li>Engine coolant temperature sensor</li> <li>Ignition failure sensor</li> <li>Oxygen sensor (Front)</li> <li>Oxygen sensor (Rear)</li> <li>Throttle position sensor</li> <li>Vacuum sensor</li> </ul> </li> </ul>
SOLENOID AND SOLENOID VALVE	–	<ul style="list-style-type: none"> <li>The applicable class of the following connectors has been changed from &lt;4G13&gt; to &lt;4G1&gt; due to the addition of the 4G18 engine model.                             <ul style="list-style-type: none"> <li>EGR solenoid valve</li> <li>Purge control solenoid valve</li> </ul> </li> </ul>

## CIRCUIT DIAGRAMS

Main title	Sub title	Reference Page	Description of changes
CENTRALIZED JUNCTION	–	–	<ul style="list-style-type: none"> <li>The details of the vehicle with 4G18 engine have been set to the same as the 4G13 engine.</li> </ul>
STARTING SYSTEM	Petrol-powered vehicles	4-2	<ul style="list-style-type: none"> <li>The circuit has been changed due to the addition of the 4G18 engine model.</li> </ul>
IGNITION SYSTEM	4G1 engine	4-4	<ul style="list-style-type: none"> <li>The circuit class has been changed from the 4G13 engine to 4G1 engine due to the addition of the 4G18 engine model.</li> <li>The circuit has been changed due to the addition of the 4G18 engine-A/T model.</li> </ul>
CHARGING SYSTEM	4G1 engine	–	<ul style="list-style-type: none"> <li>The circuit class has been changed from the 4G13 engine to 4G1 engine due to the addition of the 4G18 engine model.</li> </ul>
ENGINE CONTROL SYSTEM	4G1 engine-M/T	4-6	<ul style="list-style-type: none"> <li>The circuit class has been changed from the 4G13 engine to the 4G1 engine-M/T due to the addition of the 4G18 engine-A/T model.</li> <li>The earth for the camshaft position sensor (A-81) and crank angle sensor (A-94) has been changed from the earth point No. 3 to the engine-ECU (B-29) terminal No. 40.</li> </ul>
	4G1 engine-A/T	4-12	<ul style="list-style-type: none"> <li>A new circuit has been set due to the addition of the 4G18 engine-A/T model.</li> </ul>
	4G93 engine-M/T	4-18	<ul style="list-style-type: none"> <li>The earth for the air flow sensor (A-73), camshaft position sensor (A-81) and crank angle sensor (A-94) has been changed from the engine-ECU (B-87) terminal No. 72 to the engine-ECU (B-84) terminal No. 33.</li> </ul>

Main title	Sub title	Reference Page	Description of changes
ENGINE CONTROL SYSTEM	4G93 engine-A/T	4-30	<ul style="list-style-type: none"> <li>The earth for the air flow sensor (A-73), camshaft position sensor (A-81) and crank angle sensor (A-94) has been changed from the engine-A/T-ECU (B-86) terminal No. 81 to the engine-A/T-ECU (B-84) terminal No. 16.</li> <li>The circuit has been changed due to the abolishment of the vehicle speed sensor.</li> </ul>
COOLING SYSTEM	4G1 engine	4-42	<ul style="list-style-type: none"> <li>The circuit class has been changed from the 4G13 engine to 4G1 engine due to the addition of the 4G18 engine model.</li> <li>The circuit has been changed due to the addition of the 4G18 engine-A/T model.</li> </ul>
INVECS-II 4A/T	4G1 engine	4-44	<ul style="list-style-type: none"> <li>A new circuit has been set due to the addition of the 4G18 engine-A/T model.</li> </ul>
	4G93 engine	4-52	<ul style="list-style-type: none"> <li>The circuit class has been set to 4G93 engine due to the addition of the 4G18 engine-A/T model.</li> <li>The earth for the crank angle sensor (A-94) has been changed from the earth point No. 3 to the engine-A/T-ECU (B-84) terminal No. 16.</li> <li>The earth for the input shaft speed sensor (A-98), output shaft speed sensor (A-97) has been changed from the engine-A/T-ECU (B-86) terminal No. 81 to the engine-A/T-ECU (B-84) terminal No. 16.</li> <li>The circuit has been changed due to the abolishment of the vehicle speed sensor.</li> </ul>
BACK-UP LAMP	Petrol-powered vehicles	4-60	<ul style="list-style-type: none"> <li>The circuit has been changed due to the addition of the 4G18 engine model.</li> </ul>
METER AND GAUGE	Petrol-powered vehicles	4-62	<ul style="list-style-type: none"> <li>The circuit has been changed due to the abolishment of the A/T vehicle's vehicle speed sensor.</li> </ul>
OIL PRESSURE WARNING LAMP	–	4-65	<ul style="list-style-type: none"> <li>The circuit has been changed due to the addition of the 4G18 engine model.</li> </ul>
MANUAL AIR CONDITIONER	4G1 engine	4-66	<ul style="list-style-type: none"> <li>The circuit class has been changed from the 4G13 engine to 4G1 engine due to the addition of the 4G18 engine model.</li> <li>The circuit has been changed due to the addition of the 4G18 engine-A/T model.</li> </ul>
MULTI CENTER DISPLAY	Vehicles without navigation system	4-72	<ul style="list-style-type: none"> <li>The circuit has been changed due to the abolishment of the A/T vehicle's vehicle speed sensor.</li> </ul>
	Vehicles with navigation system	4-78	
IMMOBILIZER SYSTEM	Petrol-powered vehicles	4-86	<ul style="list-style-type: none"> <li>The circuit has been changed due to the addition of the 4G18 engine model.</li> </ul>

## TABLE OF CIRCUIT DIAGRAMS

This table of circuit diagrams indicates those circuits in which changes and/or additions, etc. have been made; the circuits are here listed in the sequence in which they are presented in the wiring diagrams. Please use this table for reference when following maintenance or repair procedures.

### NOTE

- (1) A (Added) : This circuit has been newly added.
- (2) R (Revised) : This circuit has been changed.
- (3) D (Deleted) : This circuit has been deleted.
- (4) I (Included) : This circuit is included in the previous manual(s).
- (5) N (Not applicable) : This circuit is not applicable.
- (6) P (Previous manual) : This circuit is not included, because it has not been changed.  
Refer to the previous manual(s).
- (7) \* : The title has been changed due to the addition of the 4G18 engine model.

Main circuit	Circuit classifications	Previous manual: Pub. No. EMXE99E1 (Basic)	Previous manual: Pub. No. EMXE99E1-A (Supplement)	This manual: Pub. No. EMXE99E1-B (Supplement)
J/B	–	I	P	P
J/C	–	I	R	P
CENTRALIZED JUNCTION	–	I	R	P
POWER DISTRIBUTION SYSTEM	–	I	D	N
	Petrol-powered vehicles	N	A	P
	Diesel-powered vehicles	N	A	P
STARTING SYSTEM	–	I	D	N
	Petrol-powered vehicles	N	A	R
	Diesel-powered vehicles	N	A	P
IGNITION SYSTEM	4G1 engine*	I	R	R
	4G93 engine	I	R	P
CHARGING SYSTEM	4G1 engine*	I	P	P
	4G93 engine	I	R	P
	F9Q1 engine	N	A	P
ENGINE CONTROL SYSTEM	4G13 engine	I	R	D
	4G1 engine-M/T	N	N	A
	4G1 engine-A/T	N	N	A
	4G93 engine	I	D	N
	4G93 engine-M/T	N	A	R
	4G93 engine-A/T	N	A	R
	F9Q1 engine	N	A	P

Main circuit	Circuit classifications	Previous manual: Pub. No. EMXE99E1 (Basic)	Previous manual: Pub. No. EMXE99E1-A (Supplement)	This manual: Pub. No. EMXE99E1-B (Supplement)
COOLING SYSTEM	4G1 engine*	I	P	R
	4G93 engine	I	R	P
	F9Q1 engine	N	A	P
INVECS-II 4A/T	–	N	A	D
	4G1 engine	N	N	A
	4G93 engine	N	N	A
HEADLAMP	L.H. drive vehicles without daytime running lamp	I	P	P
	R.H. drive vehicles	I	P	P
	Vehicles with daytime running lamp	I	P	P
HEADLAMP LEVELING SYSTEM	–	I	P	P
TAIL LAMP, POSITION LAMP, LICENSE PLATE LAMP AND LIGHTING MONITOR BUZZER	Vehicles without daytime running lamp	I	R	P
	Vehicles with daytime running lamp	I	R	P
FRONT FOG LAMP	Vehicles without daytime running lamp	I	R	P
	Vehicles with daytime running lamp	I	R	P
REAR FOG LAMP	Vehicles without daytime running lamp	I	R	P
	Vehicles with daytime running lamp	I	R	P
ROOM LAMP AND LUGGAGE COMPARTMENT LAMP	Vehicles without keyless entry system	I	D	N
	Vehicles with keyless entry system	I	D	N
ROOM LAMP, MAP LAMP AND LUGGAGE COMPARTMENT LAMP	Vehicles without keyless entry system	N	A	P
	Vehicles with keyless entry system	N	A	P
GLOVE BOX LAMP	–	I	P	D
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP	–	I	R	P
STOP LAMP	–	I	R	P
BACK-UP LAMP	–	I	D	N
	Petrol-powered vehicles	N	A	R
	Diesel-powered vehicles	N	A	P
HORN	–	I	R	P

Main circuit	Circuit classifications	Previous manual: Pub. No. EMXE99E1 (Basic)	Previous manual: Pub. No. EMXE99E1-A (Supplement)	This manual: Pub. No. EMXE99E1-B (Supplement)
METER AND GAUGE	–	I	D	N
	Petrol-powered vehicles	N	A	R
	Diesel-powered vehicles	N	A	P
FUEL WARNING LAMP	–	I	R	P
OIL PRESSURE WARNING LAMP	–	I	R	R
BRAKE WARNING LAMP	–	I	P	P
WATER TEMPERATURE WARNING LAMP	–	N	A	P
POWER WINDOWS	–	I	P	P
CENTRAL DOOR LOCKING SYSTEM	Vehicles without keyless entry system	I	P	P
	Vehicles with keyless entry system	I	P	P
HEATER	–	I	R	P
MANUAL AIR CONDITIONER	4G1 engine*	I	R	R
	4G93 engine	I	R	P
	F9Q1 engine	N	A	P
WINDSHIELD WIPER AND WASHER	–	I	P	P
REAR WIPER AND WASHER	–	I	P	P
HEADLAMP WASHER	–	I	P	P
DEFOGGER AND DOOR MIRROR HEATER	L.H. drive vehicles	I	P	P
	R.H. drive vehicles	I	P	P
REMOTE CONTROLLED MIRROR	–	I	R	P
CIGARETTE LIGHTER	–	I	P	P
MULTI CENTER DISPLAY	–	I	D	N
	Vehicles without navigation system	N	A	R
	Vehicles with navigation system	N	A	R
SUNROOF	–	I	P	P
HEATED SEAT	–	I	R	P
ABS	–	I	D	N
EBD AND ABS	–	N	A	P

Main circuit	Circuit classifications	Previous manual: Pub. No. EMXE99E1 (Basic)	Previous manual: Pub. No. EMXE99E1-A (Supplement)	This manual: Pub. No. EMXE99E1-B (Supplement)
SUPPLEMENTAL RESTRAINT SYSTEM	–	I	P	P
IMMOBILIZER SYSTEM	–	I	D	N
	Diesel-powered vehicles	N	A	P
	Petrol-powered vehicles	N	A	R
RHEOSTAT	–	I	R	P
FUEL LINE HEATER	–	N	A	P