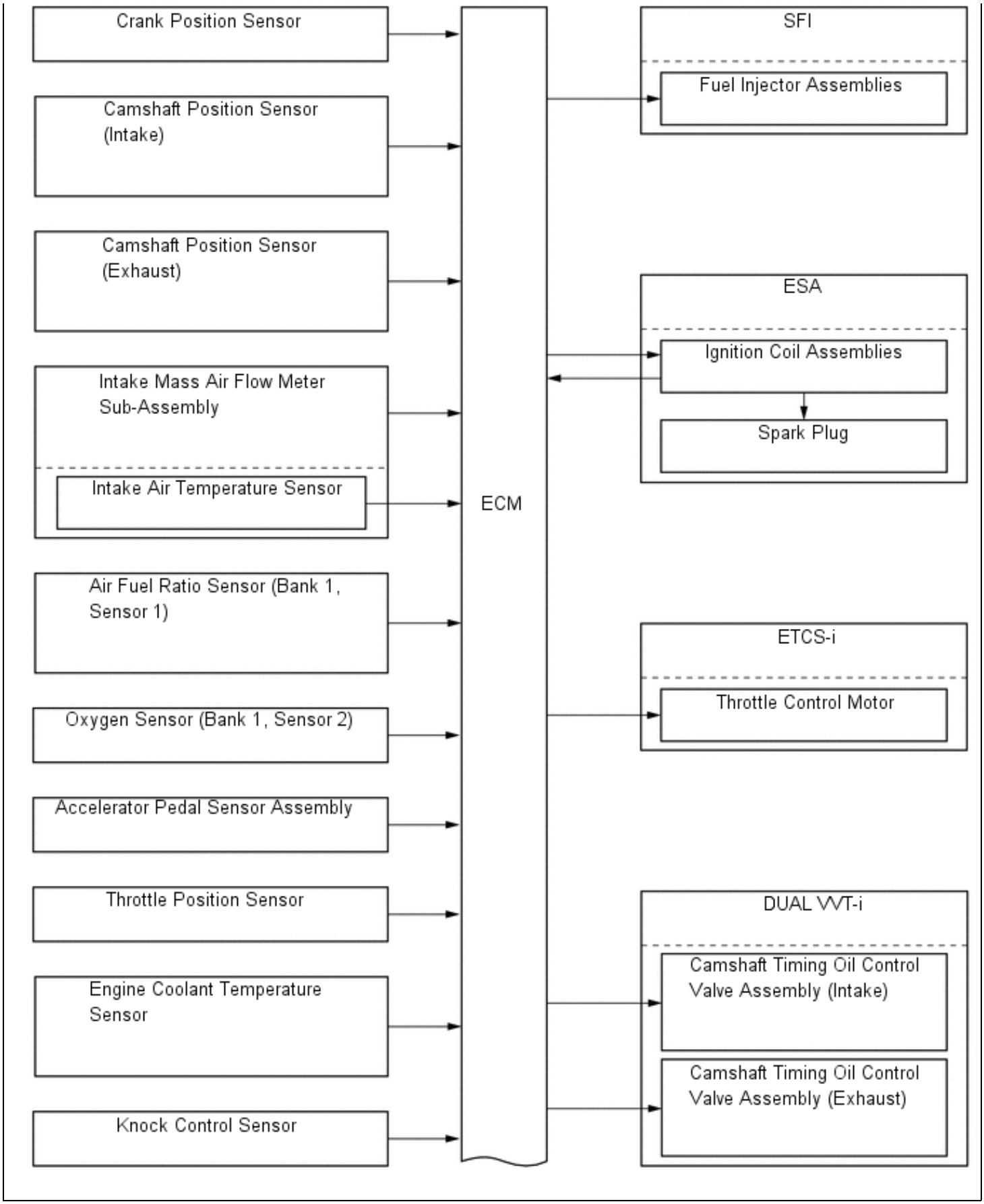
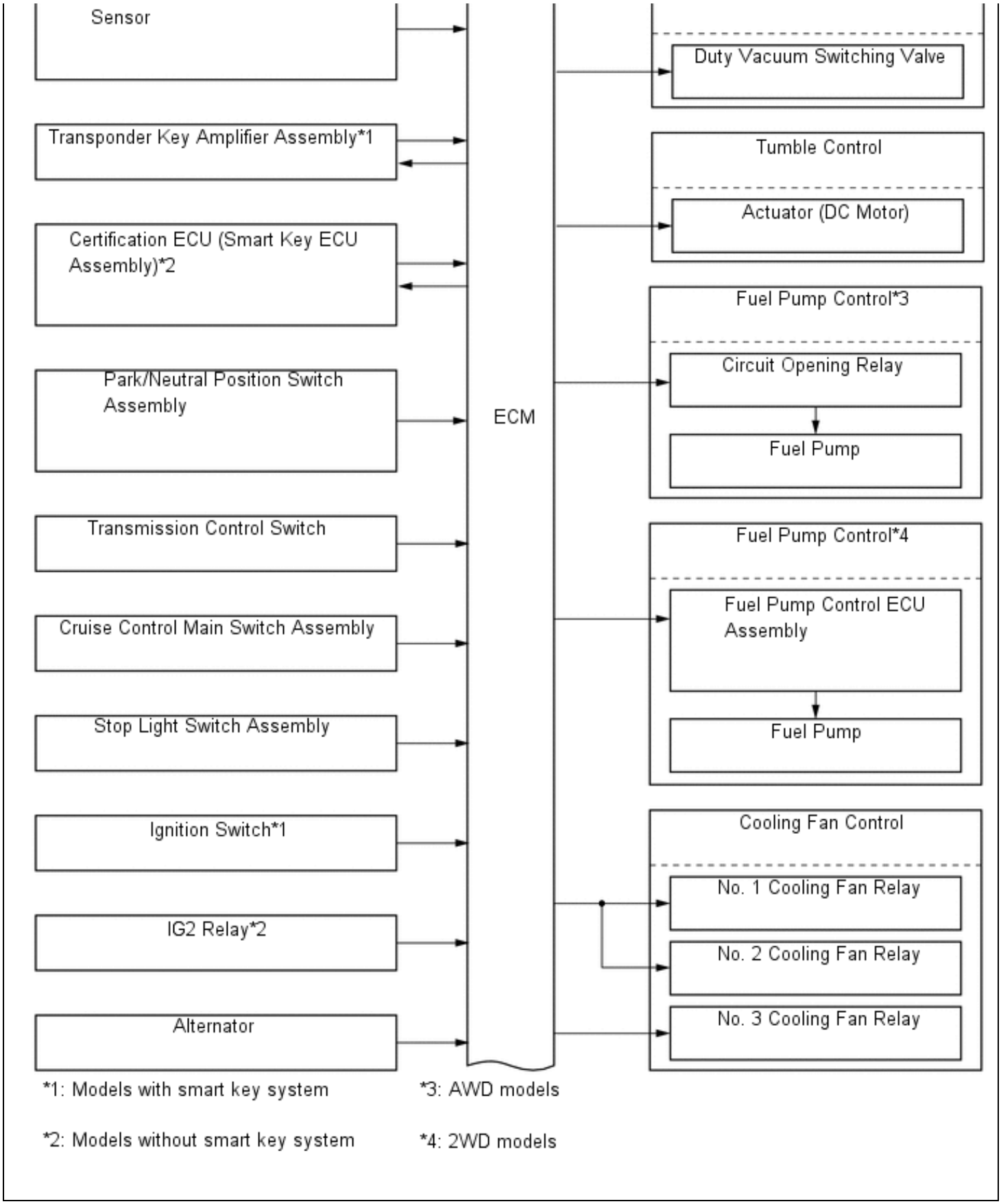
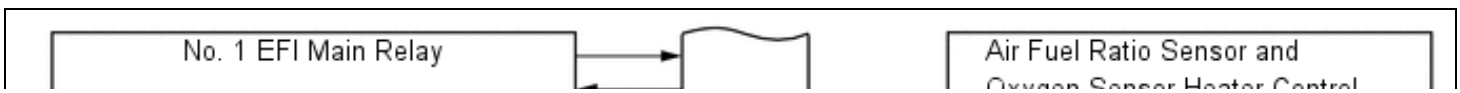
| | | |
|---|---|---|
| **Last Modified:** 03-12-2013 | 6.4 F | **Doc ID:** NM1000000004HCD |
| **Model Year:** 2013 | **Model:** RAV4 | **Prod Date Range:** [12/2012 - ] |
| **Title:** 2AR-FE ENGINE CONTROL: SFI SYSTEM: SYSTEM DIAGRAM; 2013 MY RAV4 [12/2012 - ] | | |

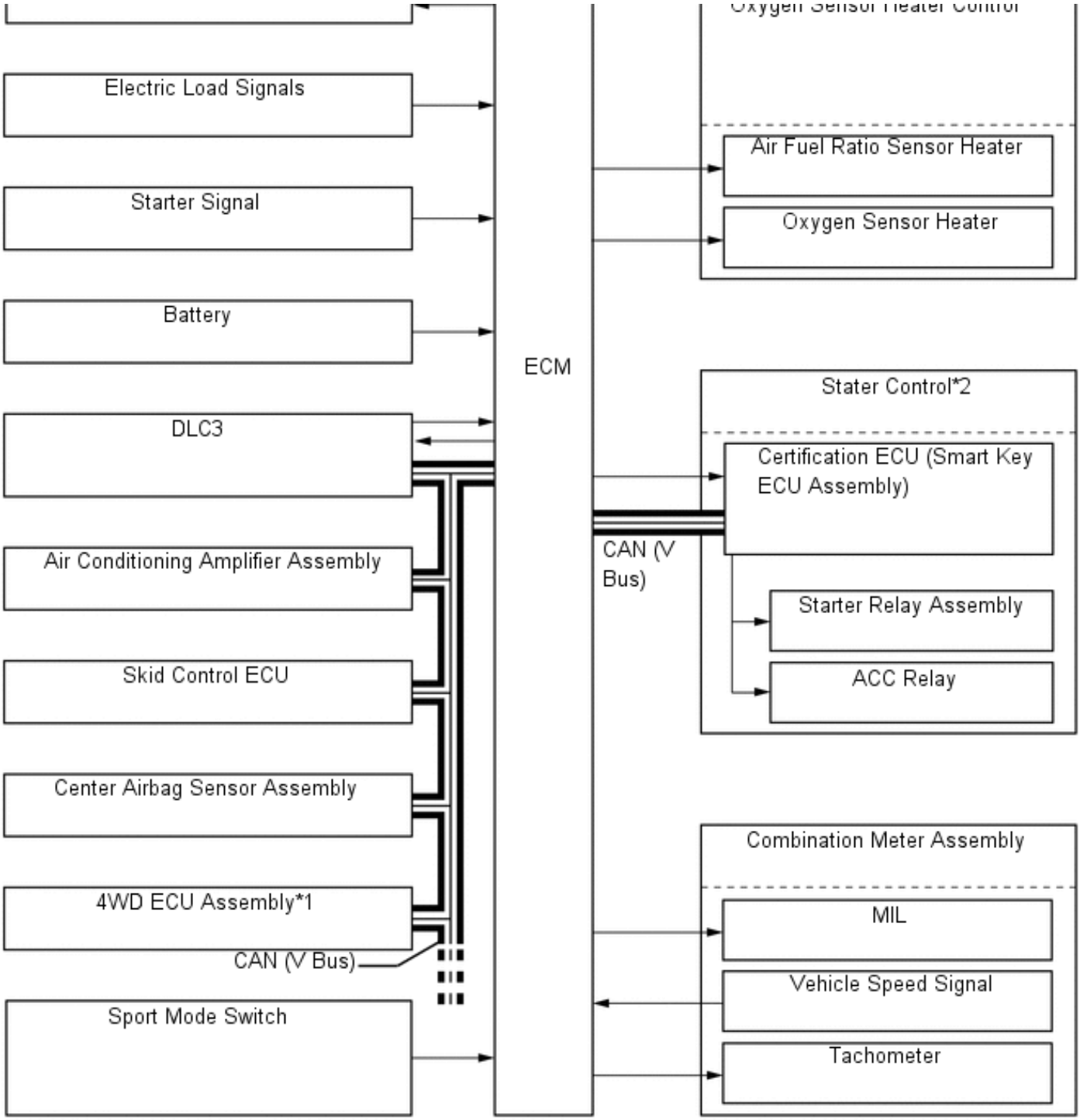
# SYSTEM DIAGRAM


Crank Position Sensor
Camshaft Position Sensor (Intake)
Camshaft Position Sensor (Exhaust)
Intake Mass Air Flow Meter Sub-Assembly
Intake Air Temperature Sensor
Air Fuel Ratio Sensor (Bank 1, Sensor 1)
Oxygen Sensor (Bank 1, Sensor 2)
Accelerator Pedal Sensor Assembly
Throttle Position Sensor
Engine Coolant Temperature Sensor
Knock Control Sensor
ECM
SFI
Fuel Injector Assemblies
ESA
Ignition Coil Assemblies
Spark Plug
ETCS-i
Throttle Control Motor
DUAL VVT-i
Camshaft Timing Oil Control Valve Assembly (Intake)
Camshaft Timing Oil Control Valve Assembly (Exhaust)

Tumble Control Valve Position
ACIS


Sensor
Transponder Key Amplifier Assembly*1
Certification ECU (Smart Key ECU Assembly)*2
Park/Neutral Position Switch Assembly
Transmission Control Switch
Cruise Control Main Switch Assembly
Stop Light Switch Assembly
Ignition Switch*1
IG2 Relay*2
Alternator
ECM
Duty Vacuum Switching Valve
Tumble Control
Actuator (DC Motor)
Fuel Pump Control*3
Circuit Opening Relay
Fuel Pump
Fuel Pump Control*4
Fuel Pump Control ECU Assembly
Fuel Pump
Cooling Fan Control
No. 1 Cooling Fan Relay
No. 2 Cooling Fan Relay
No. 3 Cooling Fan Relay
*1: Models with smart key system
*2: Models without smart key system
*3: AWD models
*4: 2WD models


No. 1 EFI Main Relay
Air Fuel Ratio Sensor and




*1: AWD models

*2: Models with smart key system