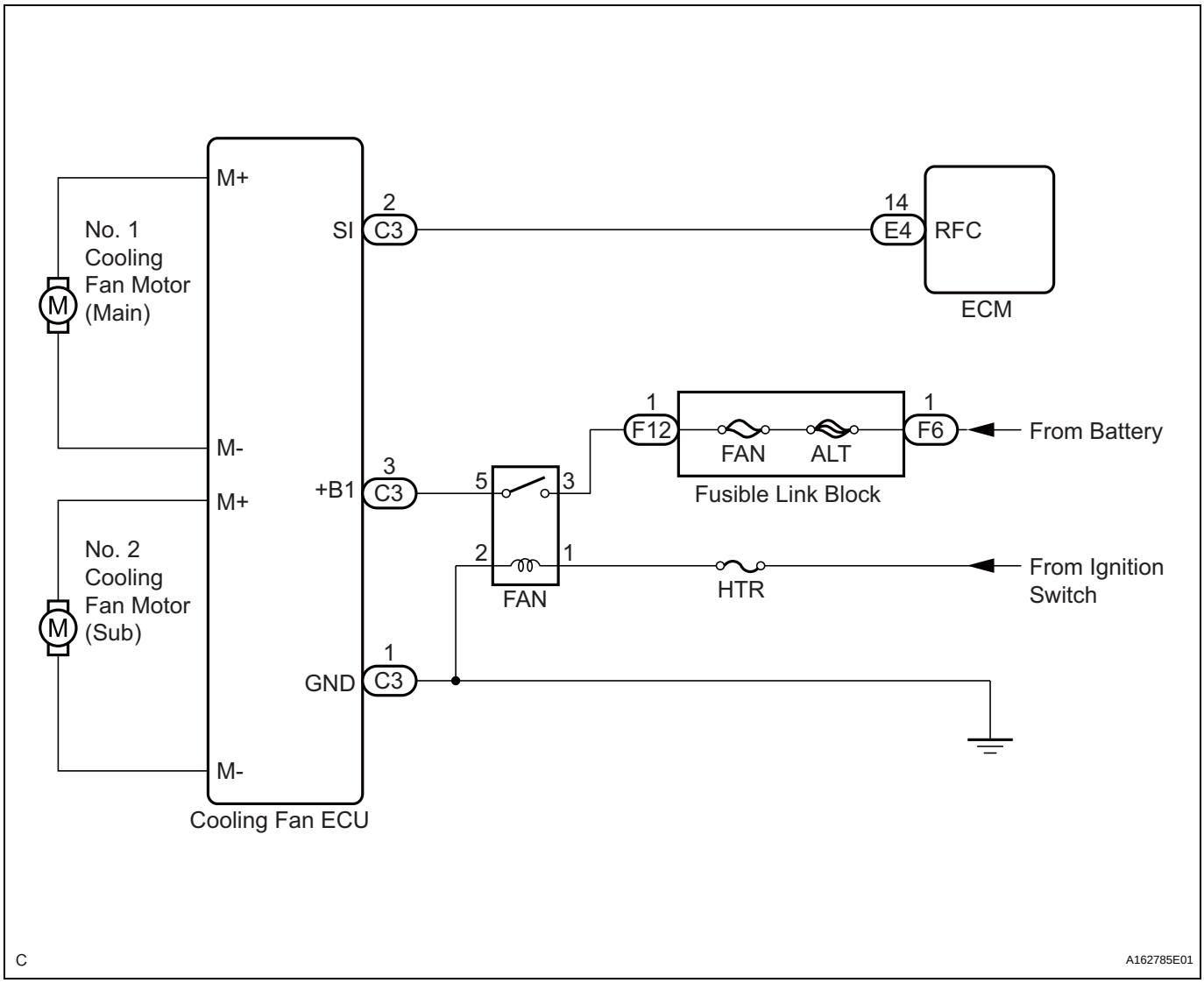
SYSTEM DIAGRAM



CO

ON-VEHICLE INSPECTION

1. INSPECT COOLING FAN SYSTEM

(a) Put the vehicle in the following conditions:
  (1) The engine switch is off.
  (2) The coolant temperature is less than 95°C (203°F).
  (3) The battery voltage is between 9 and 14 V.
  (4) The A/C switch is OFF.

(b) Clamp the 400 A probe of an ammeter over the M+ wire of each cooling fan motor.

(c) Turn the ignition switch to the ON position and wait for approximately 10 seconds. Check that the fan stops.

(d) Start the engine. Check that the fan stops with the engine idling.
HINT:
- Make sure that the radiator engine coolant temperature is less than 95°C (203°F).
- Turn the A/C switch OFF.

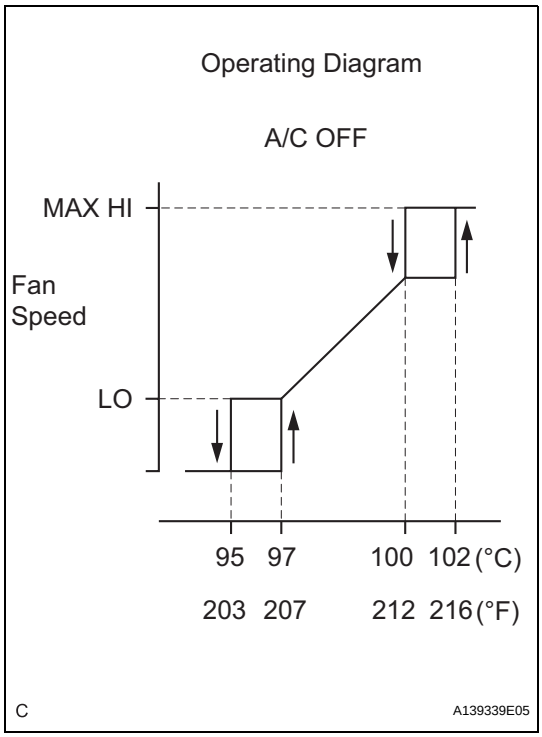
(e) Check that the fan operates when the A/C switch is turned ON (MAX COOL and the magnetic clutch is operating).
Standard current

Item	Specified Condition
No. 1 cooling fan motor	5 to 14 A
No. 2 cooling fan motor	4 to 12 A

HINT:
The coolant temperature is less than 95°C (203°F).

(f) Check that the fan operates when the engine coolant temperature sensor connector is disconnected.
Standard current

Item	Specified Condition
No. 1 cooling fan motor	5 to 19 A
No. 2 cooling fan motor	4 to 16 A



(g) After the engine is warmed up, check that the fan operates as shown in the illustration.
HINT:
- The coolant temperature at which the fan starts operating is approximately 95°C (203°F).
- This system can also be checked using the intelligent tester.
- Select the following menu items: Powertrain / Engine / Data List / Initial Engine Coolant Temp.