

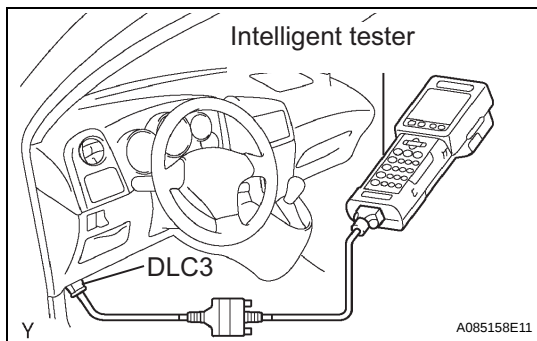
MASS AIR FLOW METER

ON-VEHICLE INSPECTION

1. INSPECT MASS AIR FLOW METER SUB-ASSEMBLY

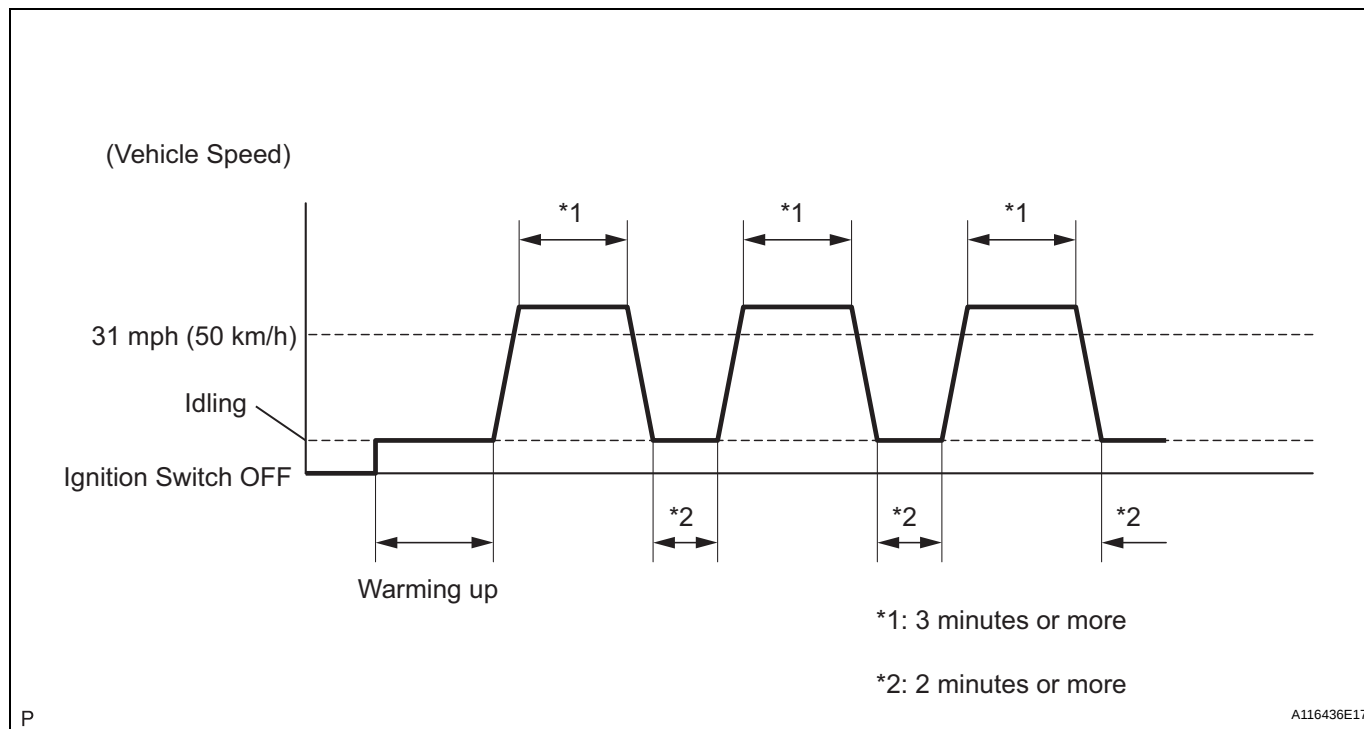
NOTICE:

- Perform the MAF meter inspection by following the procedures below.
- Only replace the MAF meter when both the LONG FT#1 value and MAF value in the DATA LIST (with the engine stopped) are not within the normal operating range.



- (a) Perform confirmation driving pattern.
- (1) Connect the intelligent tester to the DLC3.
 - (2) Turn the ignition switch ON.
 - (3) Turn the tester on.
 - (4) Clear the DTCs (See page [ES-30](#)).
 - (5) Start the engine and warm it up with all accessory switches off (until the engine coolant temperature is 75°C (167°F) or more).
 - (6) Drive the vehicle at 31 mph (50 km/h) or more for 3 minutes or more. *1
 - (7) Let the engine idle (accelerator pedal fully released) for 2 minutes or more. *2
 - (8) Perform steps *1 and *2 at least 3 times or more.

ES



- (b) Read value using the intelligent tester (LONG FT#1).

- (1) Select the following menu items: DIAGNOSIS / ENHANCED OBD II / DATA LIST / PRIMARY / LONG FT#1.

- (2) Read the values displayed on the tester.

Standard:

Within -15% to + 15%

if the result is not within the specified range, perform the inspection below.

- (c) Read value using the intelligent tester (MAF).

NOTICE:

- **Turn off the engine.**
- **Perform the inspection with the vehicle indoors and on a level surface.**
- **Perform the inspection of the MAF meter while it is installed to the air cleaner case (installed to the vehicle).**
- **During the test, do not use the exhaust air duct to perform suction on the exhaust pipe.**

- (1) Turn off the engine (do not run the engine).

- (2) Turn the ignition switch ON.

- (3) Turn the tester on.

- (4) Select the following menu items: DIAGNOSIS / ENHANCED OBD II / DATA LIST / PRIMARY / MAF.

- (5) Wait 30 seconds, and read the values on the intelligent tester.

Standard condition:

Less than 0.48 g/s

- If the result is not as specified, replace the MAF meter.
- If the result is within the specified range, inspect the cause of the extremely rich or lean air fuel ratio.