

TOYPR00112
TOYOTA
PRADO
7-2000
3.4 Ltr V6



Customer complaint

Lack of power especially down low, and high fuel consumption.

Injectors had been serviced and new fuel filter fitted recently.

Problem summary

After road test, the vehicle shows significant lack of power.

Worse when the vehicle is cold and improves once engine

Diagnostic sequence

reaches running temperature. Check for fault codes using appropriate scanner.

Coolant temp sensor, throttle position sensor and air mass and air temp sensor fault codes present.

Clear all codes and road test.

Vehicle still lacking power with no improvement.

Remove air intake to throttle body [1] and remove air mass meter and inspect.

Very dirty throttle body and contamination of air mass meter sensors [2]

NOTE: Close-up pic [3] shows

Fault description

the contamination of the air mass meter sensors.

The contamination on the air mass meter sensors was causing incorrect and erratic readings back to the ECU.

This caused a lack of power and high fuel consumption

Fault solution

together with a very dirty throttle body and inlet manifold. Cleaning of the air mass meter sensors has been successful in most cases.

Be very careful when cleaning the sensors and use a very gentle painter's brush to clean the contamination build up.

Recommended time

Use only an appropriate non-aggressive cleaning fluid. [4]

Total time was two hours including research, location of parts and actual time spent

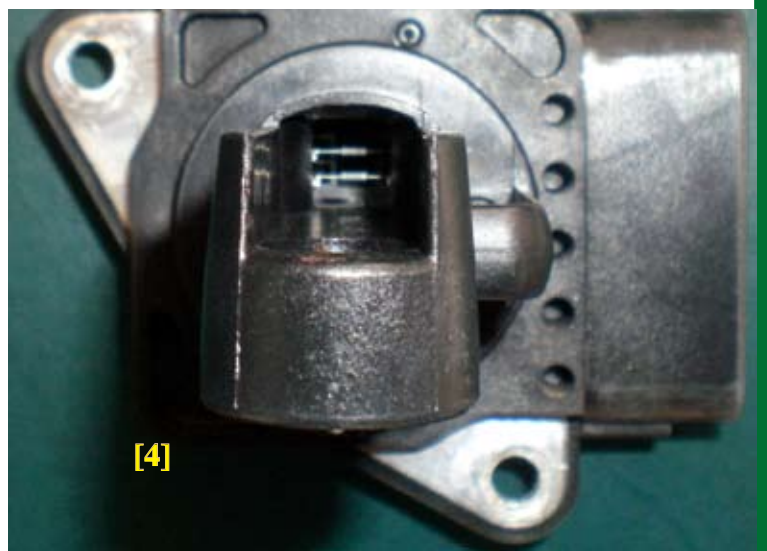
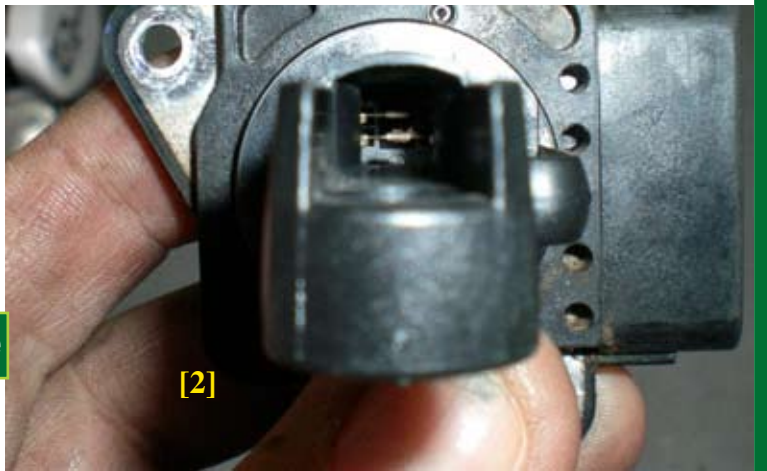
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fixing the problem.

We recommend regular cleaning of throttle bodies at every service to ensure the vehicle is running correctly.

Be careful to use the correct cleaning fluid.

Regular inspection of the air mass meter is also recommended and repairs should be undertaken if contamination is occurring.



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