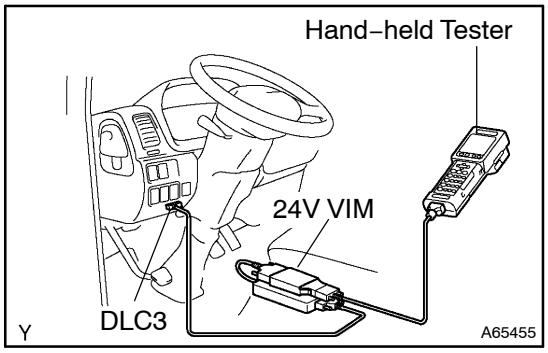
FUEL SYSTEM (S05C–TB)

ON–VEHICLE INSPECTION

110DI–03



1. CHECK FUEL LEAK

CAUTION:

- **During ACTIVE TEST mode, engine speed goes high and combustion noise becomes loud, so pay attention.**
- **During ACTIVE TEST mode, fuel becomes highpressure, so take much care not to expose your eyes, hands, or body to the fuel.**

NOTICE:

Be sure to use the 24 V VIM, because the hand–held tester will be destroyed if you do not use the 24 V VIM.

(a) Check that there are no leaks from any part of the fuel system when the engine stops.

If there is fuel leakage, replace those parts.

(b) While cranking or starting the engine, check that there are no leaks from any part of the fuel system.

If there is fuel leakage, replace those parts.

(c) Disconnect the return hose from the common rail.

(d) While cranking the engine, check fuel leakage from the return pipe.

If there is fuel leakage, replace the common rail assembly (See page 11–169).

(e) Connect the hand–held tester to the DLC3.

(f) Start the engine and push the hand–held tester main switch ON.

(g) Select the FUEL LEAK test of ACTIVE TEST mode on the hand–held tester.

(h) If you have no hand–held tester, depress the accelerator pedal quickly and fully to increase the engine speed at maximum and keep it for 2 seconds. Repeat this operation several times.

(i) Check that there are no leaks from any part of the fuel system.

NOTICE:

If the leakage from the return pipe is less than 10 cc (0.6 cu in.) in a minute, it is acceptable.

If there is fuel leakage, replace those parts.

(j) Reconnect the return hose to the common rail.