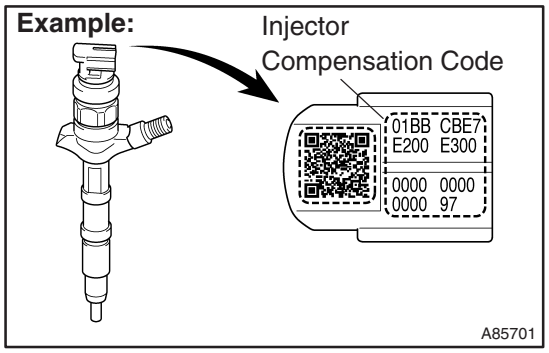
ECD SYSTEM (1KD–FTV)(From August, 2004)

PRECAUTION

05DVP–11



1. INJECTOR COMPENSATION CODE

(a) Each injector has different fuel injection characteristics. In order to optimize fuel injection performance, the ECM compensates for these differences by adjusting the fuel injection duration of each injector according to its compensation code. Injector compensation codes are unique, 30–digit, alphanumeric values printed on the head portion of each injector.

(b) When an injector is replaced, the injector's compensation code must be input into the ECM. When the ECM is changed, all of the existing injector compensation codes must be input into the new ECM.

(c) If an incorrect injector compensation code is input into the ECM, the engine assembly may rattle or engine idling may become rough. In addition, engine failure may occur and the life of the engine may be shortened.

2. DIFFICULT TO START ENGINE, ENGINE STALLING, OR BLACK SMOKE EMITTED

(a) Check if the customer's problem is described below. If so, refer to the troubleshooting section on the pages given.

(1) Engine is difficult to start or stalls (see page 05–666).

(2) Black smoke is emitted (see page 05–676).