# 6. PROCEDURES NECESSARY WHEN ECU OR OTHER PARTS ARE REPLACED

## (a) THE WORK LIST

(1) Each inspection procedure refers to the TOYOTA Repair Manual.

| Replacement Part | Necessary Procedure | Effect or Inoperative Function when Necessary Procedure is not Performed | Note |
|---|---|---|---|
| • ECM (for 2TR-FE)<br>• Throttle body with motor assembly (for 2TR-FE) | • Learning values save<br>• Learning values write | Engine starting | — |
| • ECM (for 1GR-FE)<br>• Throttle body with motor assembly (for 1GR-FE) | • Learning values save<br>• Learning values write | Engine starting | — |
| ECM (for 1KD-FTV) | • Learning values save<br>• Learning values write | Engine starting | — |
| Crankshaft position sensor plate (for 1KD-FTV) | Clear crank time compensation data | Crank time compensation data compensation amount is same as before replacement, affecting crank time compensation data | |
| Fuel supply pump (for 1KD-FTV) | Supply pump initialization | Engine startability is affected | |
| Fuel injector (for 1KD-FTV) | • Injector compensation code registration<br>• Pilot quantity learning | Injector fuel injection compensation amount is same as before replacement, affecting injector fuel injection volume | |
| • ECM<br>• Driving support ECU | Initialization | Dynamic radar cruise control system | — |
| • Automatic transmission assembly (for 1KD-FTV)<br>• Valve body assembly (for 1KD-FTV)<br>• Any of the shift solenoid valve (for 1KD-FTV) | Reset memory | Large shift shock | — |
| • Automatic transmission assembly (for 1GR-FE)<br>• Valve body assembly (for 1GR-FE)<br>• Any of the shift solenoid valve (for 1GR-FE) | Reset memory | Large shift shock | — |
| Suspension control ECU | Registration | Air suspension system | — |
| • Brake actuator assembly<br>• Acceleration sensor | Calibration | Anti-lock brake system | — |
| • Master cylinder solenoid<br>• Yaw rate and acceleration sensor<br>• Spiral cable sub-assembly (steering angle sensor) | Calibration | Vehicle stability control system (for Hydraulic Brake Booster) | — |

| Replacement Part | Necessary Procedure | Effect or Inoperative Function when Necessary Procedure is not Performed | Note |
|---|---|---|---|
| • Master cylinder solenoid<br>• Yaw rate and acceleration sensor<br>• Spiral cable sub-assembly (steering angle sensor) | Calibration | Vehicle stability control system (for Vacuum Brake Booster) | — |
| • Spiral cable sub-assembly<br>• Parking assist ECU<br>• Rear television camera assembly | Calibration | Parking assist monitor system | — |
| • Parking assist ECU<br>• Front passenger side television camera assembly<br>• Driver side television camera assembly*<br>• Outer rear view mirror assembly<br>• Display and navigation module display | Calibration | Side monitor system (w/ Rear View Monitor System) | — |
| • Spiral cable sub-assembly<br>• Parking assist ECU<br>• Front passenger side television camera assembly<br>• Driver side television camera assembly*<br>• Outer rear view mirror assembly<br>• Display and navigation module display | Calibration | Side monitor system (w/ Parking Assist Monitor System) | — |
| • Parking assist ECU<br>• Rear television camera assembly | Calibration | Rear view monitor system (w/ Side Monitor System) | — |
| • Steering lock actuator assembly<br>• Certification ECU<br>• ID code box<br>• Key | Code registration | • Engine immobiliser system (w/ Entry and Start System)<br>• Engine start<br>• Steering lock and unlock | Refer to the Service Bulletin for the registration procedure. |
| • Transponder key ECU<br>• ECM<br>• Key | Code registration | • Engine immobiliser system (w/o Entry and Start System)<br>• Engine start | Refer to the Service Bulletin for the registration procedure. |
| • Door control receiver assembly<br>• Key | Code registration | Wireless door lock control system (w/o Entry and Start System) | — |
| Fold seat control ECU | Position memory initialization | Rear power seat system | — |
| • Front power window regulator motor LH<br>• Front power window regulator motor RH<br>• Rear power window regulator motor LH<br>• Rear power window regulator motor RH | Motor initialization | Power window control system | — |

| Replacement Part | Necessary Procedure | Effect or Inoperative Function when Necessary Procedure is not Performed | Note |
|---|---|---|---|
| • Sliding roof ECU (sliding roof drive gear sub-assembly)<br>• Sliding roof glass<br>• Sliding roof housing | Sliding roof system initialization | Auto operation | — |
| • Height control sensor<br>• Headlight leveling ECU<br>• Suspension | Headlight leveling ECU initialization | Headlight leveling function | — |

*: w/ Multi-terrain monitor