05IJO–02

CALIBRATION

1. INITIALIZATION OF TORQUE SENSOR ZERO POINT CALIBRATION SIGNAL AND ZERO POINT CALIBRATION

NOTICE:

Initialize the torque sensor zero point calibration signal in the ECU and perform torque sensor zero point calibration under the following conditions:

- **The steering column assy (containing the torque sensor) has been replaced.**
- **The power steering ECU assy has been replaced.**
- **The steering wheel has been replaced.**
- **The steering gear assy has been replaced.**
- **There is a difference in steering effort between right and left.**

(a) Center the steering wheel and align the front wheels straight ahead.

(b) Connect the intelligent tester II to the DLC3.

(c) Turn the power switch on (IG) and then initialize the torque sensor zero point calibration signal and perform the zero point calibration by following the tester screen.

NOTICE:

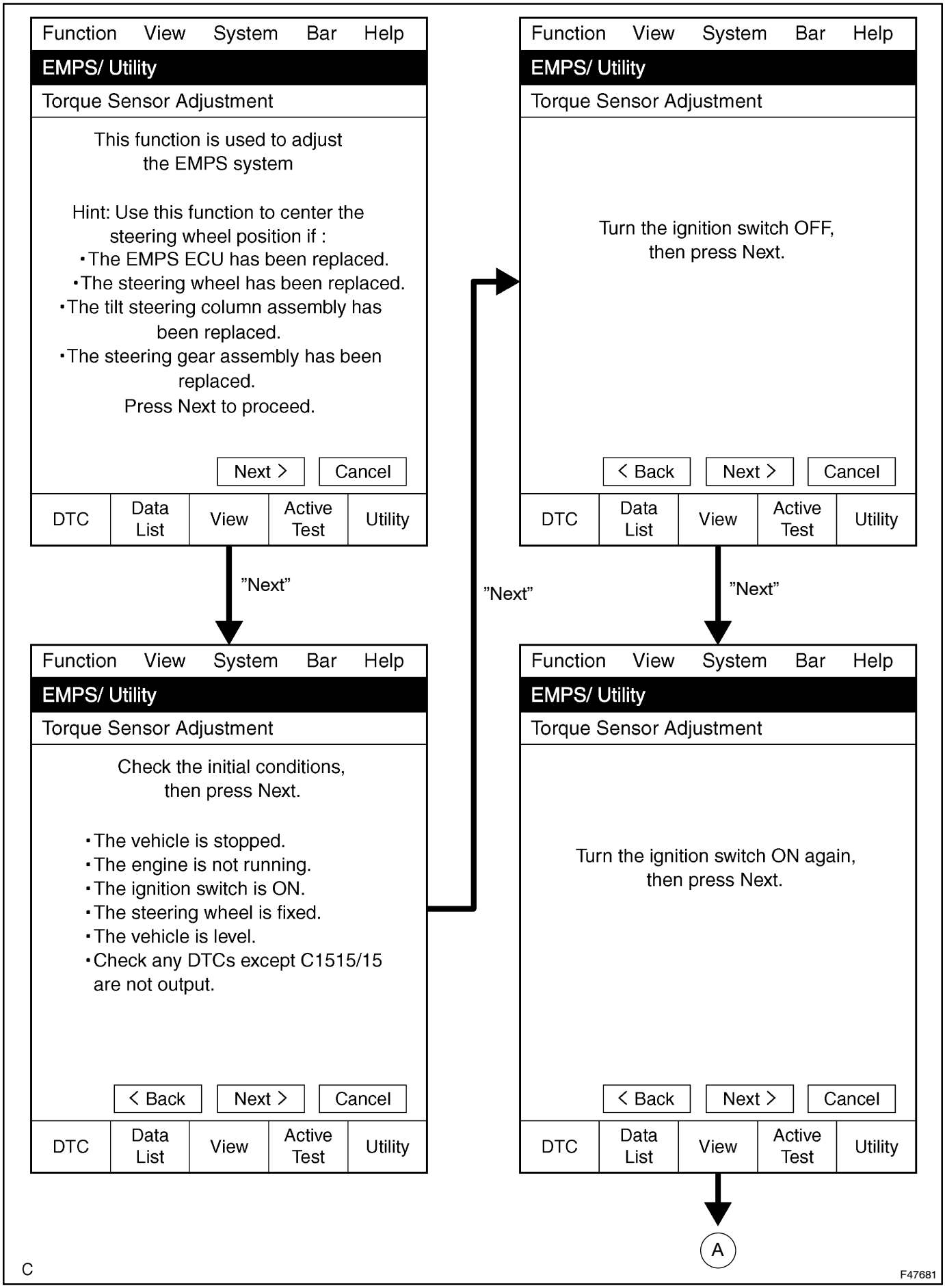
Be sure not to turn the steering wheel during initialization and zero point calibration.

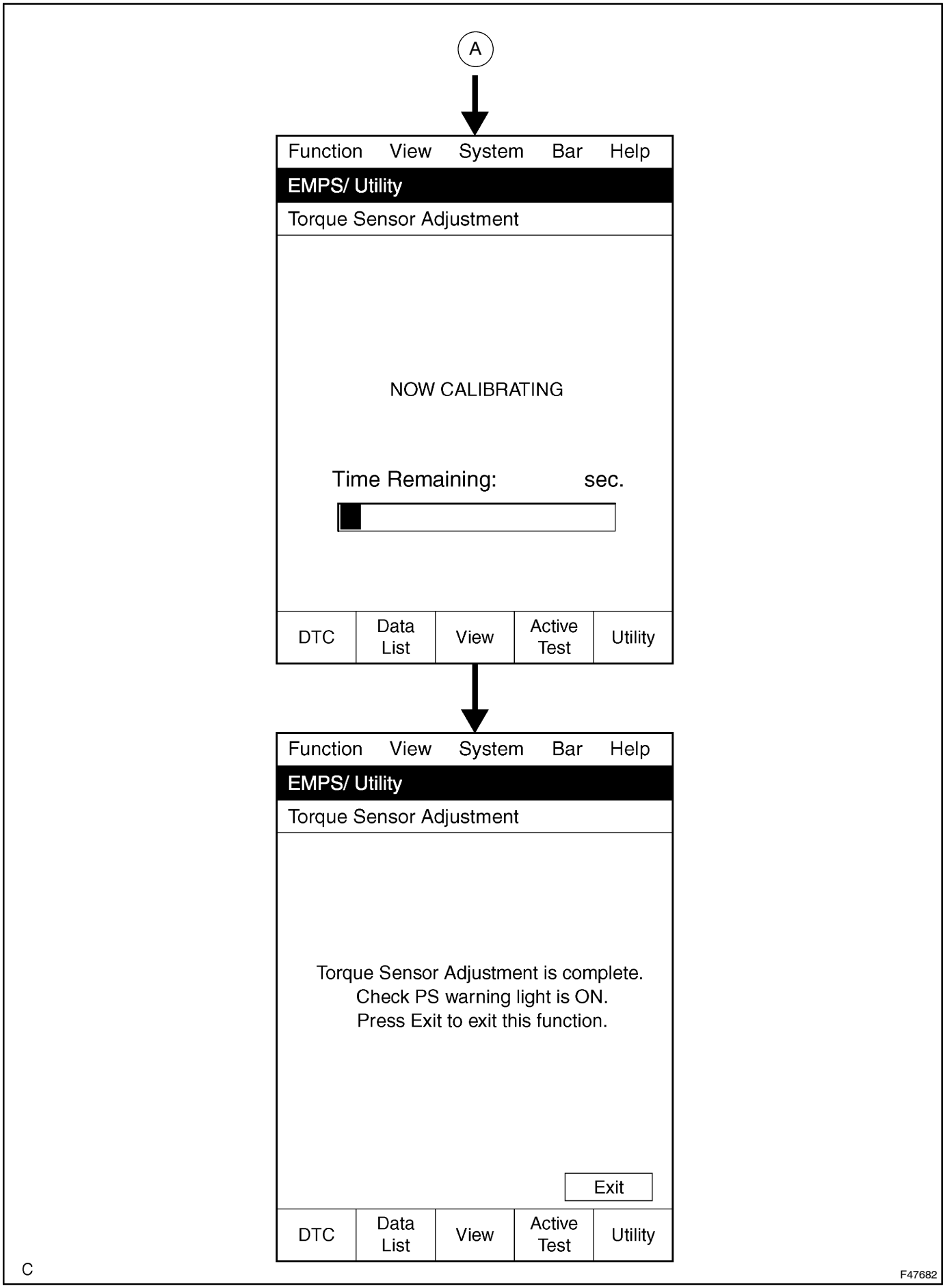
(d) Confirm that no DTCs are output after completing the operation.

(1) When DTC C1515 is output, see page 05–998.

(2) When DTC C1516 is output, see page 05–999.

(3) When DTC C1534 is output, see page 05–1002.


Function View System Bar Help
EMPS/ Utility
Torque Sensor Adjustment
This function is used to adjust the EMPS system
Hint: Use this function to center the steering wheel position if :
• The EMPS ECU has been replaced.
• The steering wheel has been replaced.
• The tilt steering column assembly has been replaced.
• The steering gear assembly has been replaced.
Press Next to proceed.
Next >
Cancel
DTC
Data List
View
Active Test
Utility
"Next"
Function View System Bar Help
EMPS/ Utility
Torque Sensor Adjustment
Turn the ignition switch OFF, then press Next.
< Back
Next >
Cancel
DTC
Data List
View
Active Test
Utility
"Next"
"Next"
Function View System Bar Help
EMPS/ Utility
Torque Sensor Adjustment
Check the initial conditions, then press Next.
• The vehicle is stopped.
• The engine is not running.
• The ignition switch is ON.
• The steering wheel is fixed.
• The vehicle is level.
• Check any DTCs except C1515/15 are not output.
< Back
Next >
Cancel
DTC
Data List
View
Active Test
Utility
Function View System Bar Help
EMPS/ Utility
Torque Sensor Adjustment
Turn the ignition switch ON again, then press Next.
< Back
Next >
Cancel
DTC
Data List
View
Active Test
Utility
A
C
F47681


A
Function View System Bar Help
EMPS/ Utility
Torque Sensor Adjustment
NOW CALIBRATING
Time Remaining: sec.
DTC
Data List
View
Active Test
Utility
Function View System Bar Help
EMPS/ Utility
Torque Sensor Adjustment
Torque Sensor Adjustment is complete.
Check PS warning light is ON.
Press Exit to exit this function.
Exit
DTC
Data List
View
Active Test
Utility
C
F47682