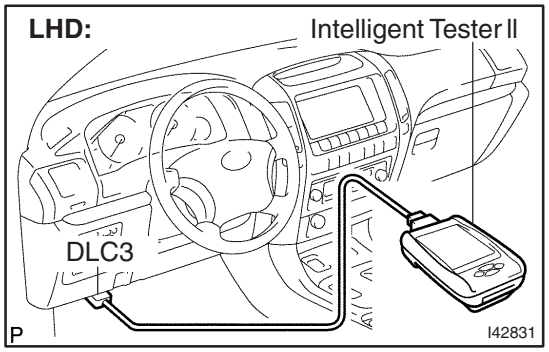
05NC7–01

CHECK FOR INTERMITTENT PROBLEMS

1. CHECK FOR INTERMITTENT PROBLEMS

HINT:

A momentary interruption (open circuit) in the connectors and/or wire harness between the sensors and ECUs can be detected in the ECU data monitor function of the intelligent tester II.

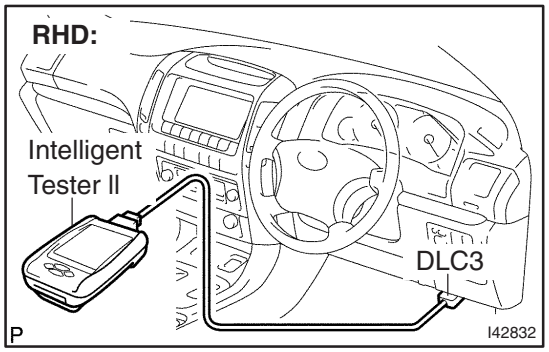


(a) Turn the ignition switch off and connect the intelligent tester II to the DLC3.

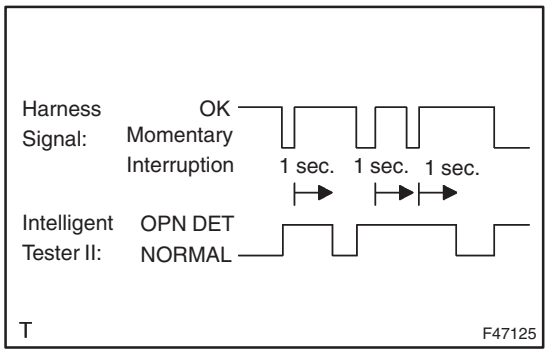
(b) Turn the ignition switch on. Follow the on–screen directions on the intelligent tester II to display the DATA LIST and select areas where momentary interruption should be monitored.

HINT:

A momentary interruption (open circuit) cannot be detected for 3 seconds after the ignition switch is turned on (initial check).



Item	Measurement Item/Range (Display)	Normal Condition	Diagnostic Note
FR Speed Open	Speed sensor open detection (FR)/OPN DET or NORMAL	OPN DET: Momentary interruption NORMAL: Normal	–
FL Speed Open	Speed sensor open detection (FL)/OPN DET or NORMAL	OPN DET: Momentary interruption NORMAL: Normal	–
RR Speed Open	Speed sensor open detection (RR)/OPN DET or NORMAL	OPN DET: Momentary interruption NORMAL: Normal	–
RL Speed Open	Speed sensor open detection (RL)/OPN DET or NORMAL	OPN DET: Momentary interruption NORMAL: Normal	–



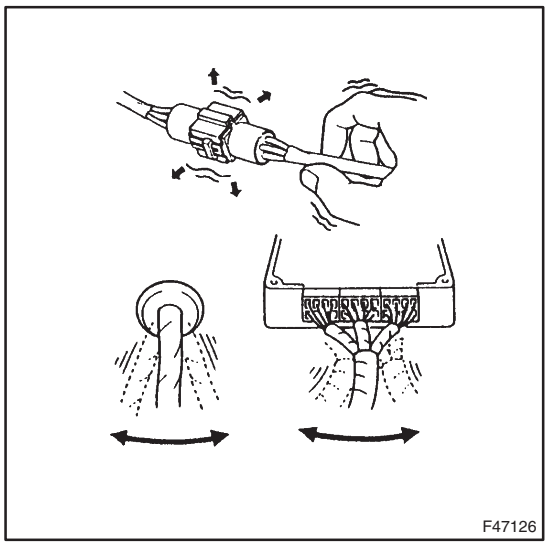
HINT:

- If the intelligent tester II status remains on, check the continuity between the ECU and the sensors, or between ECUs.
- The OPN DET display on the intelligent tester II remains on for 1 second after the harness signal changes from momentary interruption (open circuit) to normal condition.

(c) While observing the screen, gently jiggle the connector or wire harness between the ECU and sensors, or between ECUs.

Result:

OPN DET display does not change.



HINT:

- The connector and/or wire harness will be in momentary interruption (open circuit) if the display changes. Repair or replace connector and/or wire harness as one of them is faulty.