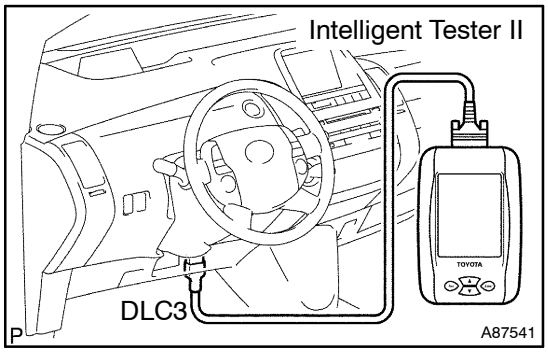
05IJS–01

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.



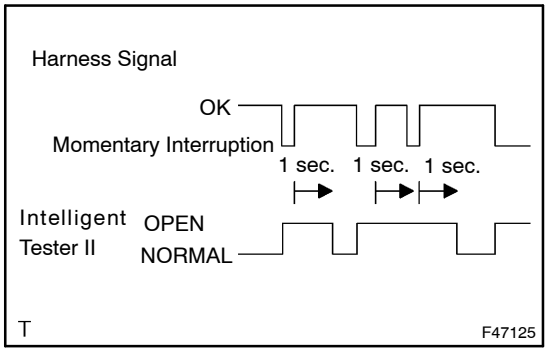
(a) Turn the power switch off and connect the intelligent tester II to the DLC3.

(b) Turn the power switch ON(READY). 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 power switch is turned on (initial check).

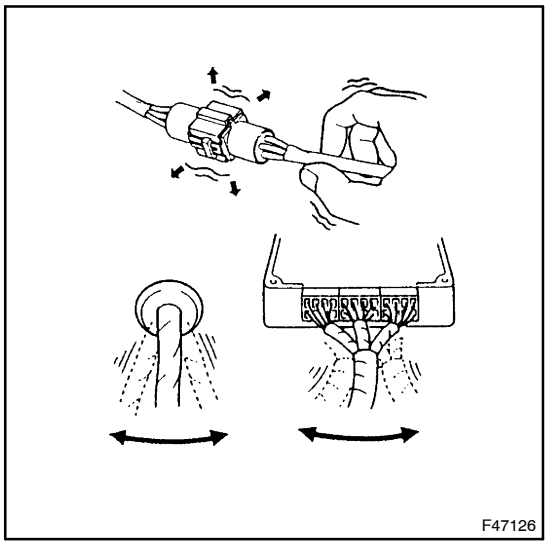
Item	Measurement Item / Range (Display)	Normal Condition	Diagnostic Note
FR Speed Open	FR speed sensor open detection / OPEN or NORMAL	NORMAL : Normal condition	–
FL Speed Open	FL speed sensor open detection / OPEN or NORMAL	NORMAL : Normal condition	–
RR Speed Open	RR speed sensor open detection / OPEN or NORMAL	NORMAL : Normal condition	–
RL Speed Open	RL speed sensor open detection / OPEN or NORMAL	NORMAL : Normal condition	–
Yaw Rate Open	Yaw rate sensor open detection	NORMAL : Normal condition	–
Deceleration Open	G sensor open detection	NORMAL : Normal condition	–
Steering Open	Steering sensor open detection	NORMAL : Normal condition	–
Master Cylinder 1 Open	Master Cylinder pressure sensor 1 open detection	NORMAL : Normal condition	–
Master Cylinder 2 Open	Master Cylinder pressure sensor 1 open detection	NORMAL : Normal condition	–
Pedal Stroke 1 Open	Pedal stroke 1 open	NORMAL : Normal condition	–
FR Wheel Cylinder Open	FR Wheel cylinder open	NORMAL : Normal condition	–
FL Wheel Cylinder Open	FL Wheel cylinder open	NORMAL : Normal condition	–
RR Wheel Cylinder Open	RR Wheel cylinder open	NORMAL : Normal condition	–
RL Wheel Cylinder Open	RL Wheel cylinder open	NORMAL : Normal condition	–
HV Open	HV communication open detection	NORMAL : Normal condition	–
Accumulator Open	ACC pressure sensor open detection	NORMAL : Normal condition	–



HINT:

- If the intelligent tester II's status remains open, check the continuity between the ECU and the sensors, or between ECUs.
- The OPEN 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: Open–screen display does not change.



HINT:

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