

## FREEZE FRAME DATA

### 1. FREEZE FRAME DATA

#### HINT:

- When a DTC is detected or the ABS operates, the skid control ECU stores the current vehicle (sensor) state as freeze frame data.
- The skid control ECU stores the number of times (maximum: 31) the ignition switch has been turned from OFF to ON since the last time the ABS was activated. However, if the vehicle is stopped, the vehicle is driven at 7 km/h (4.3 mph) or less, or a DTC is detected, the ECU will not count the next time the ignition switch is turned from OFF to ON.
- Freeze frame data at the time the ABS operates: The skid control ECU stores data or updates stored data when the ABS operates. This data is erased when the ECU stores data at the time a DTC is detected.
- Freeze frame data at the time a DTC is detected: When the skid control ECU stores data at the time a DTC is detected, the data will not be updated until the data is cleared.
  - (a) Connect the intelligent tester to the DLC3.
  - (b) Turn the ignition switch ON.
  - (c) From the display on the tester, select FREEZE FRAME DATA.

Intelligent tester display	Measurement item	Reference value
VEHICLE SPD	Vehicle speed	Speed indication on meter
STOP LIGHT SW	Stop light switch signal	Stop light switch ON: ON Stop light switch OFF: OFF
# IG ON	Number of ignition switch OFF to ON operations after memorizing freeze frame data	0 to 31
MAS CYL PRESS	Master cylinder pressure sensor reading	Brake pedal released: 0.3 to 0.9 V Brake pedal depressed: 0.8 to 4.5 V
MASS PRESS GRADE	Master cylinder pressure sensor change	Min.: -30 MPa/s Max.: 200 MPa/s
SYSTEM	Information about system / mode status	No system activated: NO SYS ABS operating: ABS Fail-safe mode activated: FAIL SF
YAW RATE	Yaw rate sensor reading	-100 to 100
STEERING ANG	Steering angle sensor reading	Left turn: Increase Right turn: Drop
THROTTLE	Throttle position sensor reading	Release accelerator pedal: Approx. 0 deg. Depress accelerator pedal: Approx. 90 deg.
G (RIGHT & LEFT)	Forward and rearward gravitational force (G)	Min.: -1.869 Max.: 1.869
G (BACK & FORTH)	Forward and rearward gravitational force (G)	Min.: -1.869 Max.: 1.869
VSC (TRAC) OFF SW	VSC OFF switch signal	Traction OFF switch ON: OFF, OFF: ON
SHIFT POSITION	Shift lever position	FAIL P*, N* R D 2 L

HINT:

\*: The A/C switch is OFF and all accessory switches are OFF.