

FREEZE FRAME DATA OF ABS

1. FREEZE FRAME DATA

- (a) The vehicle (sensor) status stored during ABS and/or VSC operation or at the time of error code detection can be displayed by the hand-held tester.
- (b) Only one record of the freeze frame data is stored and the freeze frame data generated during ABS and/or VSC operation are updated whenever the vehicle status is changed. Also, the number of the operation of the ignition switch "ON" after the freeze frame data is stored can be stored up to 31 and it can be displayed.

HINT:

If the ignition switch "ON" operation exceeds 31 times, "31" appears on the display.

- (c) If the diagnosis code malfunction occurs, the freeze frame data at the occurrence of the malfunction is stored but the ABS actuation data is deleted.

Hand-held tester display	Measurement Item	Reference Value*1
VEHICLE SPD	Wheel speed sensor reading	Speed indicated on speedometer
STOP LIGHT SW	Stop light switch signal	Stop light switch ON: ON, OFF: OFF
# IG ON	Number of operations of ignition switch ON after memorizing freeze frame data	0 to 31
MAS CYL PRESS	Master cylinder pressure sensor reading	Brake pedal release : 0.3 to 0.9 V Brake pedal depress: 0.8 to 4.5 V
MASS PRESS GRADE	Master cylinder pressure sensor change	-30 – 200 MPa/s
SYSTEM	System status	ABS activated: ABS VSC/TRAC activated: VSC/TRAC BA activated: BA Fail safe mode activated: FAIL SF No system activated: NO SYS
YAW RATE	Yaw rate angle sensor reading	-100 to 100
STEERING ANG	Steering sensor reading	Left turn: Increase Right turn: Decrease
THROTTLE	Throttle position sensor reading	Release accelerator pedal: Approx. 0 deg. Depress accelerator pedal: Approx. 90 deg.
G (RIGHT & LEFT)	Right and left G	-1.869 to 1.869
G (BACK & FORTH)	Back and forth G	-1.869 to 1.869
VSC (TRAC) OFF SW	VSC OFF switch signal	TRAC OFF SW ON: ON OFF: OFF
SHIFT POSITION	Shift lever position	FAIL P,N R D 2 L

*1: If no conditions are specifically stated for "Idling", it means the shift lever is at N or P position, the A/C switch is OFF and all accessory switches are OFF.