

PID/DATA MONITOR TABLE [FRONT BODY CONTROL MODULE (FBCM)]

id0902p2012000

PID	Unit/ Operation	Data contents	Data read/use method	Inspection item (s)
ABK_CS_BG	Off/On	<ul style="list-style-type: none"> Off: Theft-deterrent system answer-back signal is not received. On: Theft-deterrent system answer-back signal is received. 	—	<ul style="list-style-type: none"> Front body control module (FBCM) Rear body control module (RBCM) Start stop unit
ABK_CS_KEY*1	Off/On	<ul style="list-style-type: none"> Off: Advanced keyless entry system answer-back signal is not received. On: Advanced keyless entry system answer-back signal is received. 	—	<ul style="list-style-type: none"> Front body control module (FBCM) Rear body control module (RBCM) Start stop unit
ABK_HN_KEY*1	Off/On	<ul style="list-style-type: none"> Off: Keyless entry system horn answer-back signal is not received. On: Keyless entry system horn answer-back signal is received. 	—	<ul style="list-style-type: none"> Front body control module (FBCM) Rear body control module (RBCM) Start stop unit
BAT_TMP	°C, °F	Battery temperature is displayed.	—	Battery
BG_ALARM_CS*2	Off/On	<ul style="list-style-type: none"> Off: Theft-deterrent system alarm signal is not received. On: Theft-deterrent system alarm signal is received. 	—	<ul style="list-style-type: none"> Front body control module (FBCM) Rear body control module (RBCM)
BLWR_MTRY	Off/On	<ul style="list-style-type: none"> Off: Blower relay is off. On: Blower relay is on. 	—	Blower relay
BRAKE_SW	Off/On	<ul style="list-style-type: none"> Off: Brake switch (No. 2) is off. (Brake pedal is depressed.) On: Brake switch (No. 2) is on. (Brake pedal is not depressed.) 	—	<ul style="list-style-type: none"> Brake switch PCM TCM
BRK_FL_SW	Normal/ Low/ Reserved/ Unknown	<ul style="list-style-type: none"> Normal: Brake fluid level is between MAX and MIN. Low: Brake fluid level is lower than MIN. Reserved: - Unknown: Brake fluid level is not determined. 	—	Brake fluid level sensor
DCDC_CVT_ST	Wake_Up/ Bypass/ Boost_1/ Boost_2/ Boost_3/ Error/ Default	DC-DC converter status	—	DC-DC converter
DCDC_VLT_I	V	DC-DC converter input voltage is displayed.	—	DC-DC converter
DCDC_VLT_O	V	DC-DC converter output voltage is displayed.	—	DC-DC converter
DEFOG_RC_CS	Off/On	<ul style="list-style-type: none"> Off: Rear window defroster control signal is not received. On: Rear window defroster control signal is received. 	—	<ul style="list-style-type: none"> Front body control module (FBCM) Climate control unit
ENG_CTMP	°C, °F	Engine coolant temperature is displayed.	—	<ul style="list-style-type: none"> ECT sensor PCM

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ESS_ST	Off/On	<ul style="list-style-type: none"> Off: ESS is not operated. On: ESS is operated. 	—	<ul style="list-style-type: none"> Front body control module (FBCM) DSC HU/CM
F_FOG_LMP*3	Off/On	<ul style="list-style-type: none"> Off: Front fog light is turned off. On: Front fog light is turned on. 	—	Front fog light
F_FOG_SW*3	Off/On	<ul style="list-style-type: none"> Off: Front fog light switch is not in F.FOG position On: Front fog light switch is in F.FOG position 	—	<ul style="list-style-type: none"> Front fog light switch Start stop unit
H/L	OFF/ DRL*12/ TNS/H/ L_LOW/H/ L_HI	<ul style="list-style-type: none"> OFF: Headlight is turned off. DRL: Running light is turned on. TNS: TNS is turned on. H/L_LOW: Headlight (LO) is turned on. H/L_HI: Headlight (HI) is turned on. 	—	<ul style="list-style-type: none"> Headlight relay (HI/LO) Parking light Taillight License plate light Running light
H/L_CLN_RY*4	Off/On	<ul style="list-style-type: none"> Off: Headlight cleaner relay is off. On: Headlight cleaner relay is on. 	—	<ul style="list-style-type: none"> Front body control module (FBCM) Headlight cleaner relay
H/L_CS_RLS	Off/ TNS_On/ TNS+H/ L_On	<ul style="list-style-type: none"> Off: TNS and headlight on request signal is not received from auto-light sensor. TNS_On: TNS on signal is received from auto-light sensor. TNS+H/L_On: TNS and headlight LO on signal is received from auto-light sensor. 	—	Auto-light sensor
H/L_HI	Off/On	<ul style="list-style-type: none"> Off: Headlight HI is turned off. On: Headlight HI is turned on. 	—	Headlight HI
H/L_SW_HI	Off/On	<ul style="list-style-type: none"> Off: Light switch is in LO position. On: Light switch is in HI position. 	—	<ul style="list-style-type: none"> Light switch Start stop unit
H/L_SW_LOW1	Off/On	<p>Displays dimmer switch position of light switch sent from start stop unit via CAN signal</p> <ul style="list-style-type: none"> Off: Other than dimmer switch LO position of light switch is received On: Dimmer switch LO position of light switch is received 	<p>Verify if the monitor value switches when the dimmer switch of the light switch is switched between LO and HI positions. If the dimmer switch operation and monitor values do not match, inspect the start stop unit or CAN communication.</p> <p>Note</p> <ul style="list-style-type: none"> If PID items H/L_SW_LOW1 and H/L_SW_LOW2 do not match, the front body control module (FBCM) detects a DTC. Also, the headlight (low) may be constantly illuminated. 	<ul style="list-style-type: none"> Light switch Start stop unit

PID	Unit/ Operation	Data contents	Data read/use method	Inspection item (s)
H/ L_SW_LO W2	Off/On	Displays dimmer switch position of light switch connected to front body control module (FBCM) terminal 2W • Off: Other than dimmer switch LO position of light switch is received • On: Dimmer switch LO position of light switch is received	Verify if the monitor value switches when the dimmer switch of the light switch is switched between LO and HI positions. If the dimmer switch operation and monitor values do not match, inspect the light switch or related wiring harness. Note • If PID items H/L_SW_LOW1 and H/L_SW_LOW2 do not match, the front body control module (FBCM) detects a DTC. Also, the headlight (low) may be constantly illuminated.	• Light switch • Start stop unit
H/ L_SW_OFF	Off/On	• Off: Light switch is not in OFF position • On: Light switch is in OFF position	—	• Light switch • Start stop unit
H/ L_SW_PASS	Off/On	• Off: Light switch is not in passing position • On: Light switch is in passing position	—	• Light switch • Start stop unit
H/ L_SW_TNS	Off/On	• Off: Light switch is not in TNS position • On: Light switch in TNS position	—	• Light switch • Start stop unit
H/L_TNS	Off/On	• Off: TNS is turned off. • On: TNS is turned on.	—	• Parking light • Taillight • License plate lights
HAZARD_L MP	Off/On	• Off: Hazard light is turned off. • On: Hazard light is turned on.	—	• Front turn light • Side turn lights • Rear turn light
HAZARD_ SW	Off/On/ Unknown	• Off: Hazard warning switch is not pressed. • On: Hazard warning switch is pressed. • Unknown: Hazard warning switch on/off is not determined.	—	• Hazard warning switch • Start stop unit
HBC_CS*6	Off/On/ Invalid	• Off: High beam control (HBC) system signal is not received. • On: High beam control (HBC) system signal is received. • Invalid: High beam control (HBC) system signal has error.	—	Forward sensing camera (FSC)
HBC_ST*6	Off/On	• Off: High beam control (HBC) system is not operated. • On: High beam control (HBC) system is operated.	—	Forward sensing camera (FSC)
IG_ST	Off/On	• Off: IG1 is off. • On: IG1 is on.	—	• IG1 relay • PCM • Start stop unit
L_OFF_AU TO*13	Off/On	• Off: TNS or headlight off control by auto-light off system is not operated. • On: TNS or headlight off control by auto-light off system is operated.	—	• Front body control module (FBCM) • Auto light sensor
L_OFF_BS	Off/On	Note • Displays in the M-MDS but it does not operate.	—	Front body control module (FBCM)
OIL_P_SW	Off (Normal)/ On(Low)	Note • Displays in the M-MDS but it does not operate.	—	Oil pressure switch

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OUT_CAR_TMP	°C, °F	Ambient temperature is displayed.	—	<ul style="list-style-type: none"> Ambient temperature sensor PCM
P_BRAKE_SW	Off/On	<ul style="list-style-type: none"> Off: Parking brake switch is off. (Parking brake lever is not pulled.) On: Parking brake switch is on. (Parking brake lever is pulled.) 	—	<ul style="list-style-type: none"> Parking brake switch Instrument cluster
PNC_CS	Off/On	<ul style="list-style-type: none"> Off: Panic control signal is not received. On: Panic control signal is received. 	—	<ul style="list-style-type: none"> Front body control module (FBCM) Rear body control module (RBCM)
PTC_HEAT_CS*7	Off/On	<ul style="list-style-type: none"> Off: PTC heater control signal is not received. On: PTC heater control signal is received. 	—	PTC heater
R_FOG_LMP*8	Off/On	<ul style="list-style-type: none"> Off: Rear fog light is turned off. On: Rear fog light is turned on. 	—	<ul style="list-style-type: none"> Rear fog light Instrument cluster Front body control module (FBCM) Rear body control module (RBCM)
R_FOG_SW*8	Off/On	<ul style="list-style-type: none"> Off: Rear fog light switch is not in R.FOG position On: Rear fog light switch is in R.FOG position 	—	<ul style="list-style-type: none"> Rear fog light switch Start stop unit
RLS_FLT*5	O.K./ FAULT	<ul style="list-style-type: none"> OK: Rain sensor is normal. FAULT: Rain sensor has a malfunction. 	—	Rain sensor
S_HT_CUT*9	No_Req est/Cut	<ul style="list-style-type: none"> No_Request: Except below Cut: Seat warmer is turned off or lowered. 	—	Front body control module (FBCM)
SHIFT_L_POS*10	Between/P/ R/N/D/S (2)/L(1)	<ul style="list-style-type: none"> Between: Selector lever is between two positions P: Selector lever is in P position R: Selector lever is in R position N: Selector lever is in N position D: Selector lever is in D position S (2): Selector lever is in D position 2nd gear L (1): Selector lever is in D position 1st gear 	—	TCM
TURN_L_L	Off/On	<ul style="list-style-type: none"> Off: Turn light (LH) is turned off. On: Turn light (LH) is turned on. 	—	<ul style="list-style-type: none"> Front turn light Side turn lights Rear turn light
TURN_L_R	Off/On	<ul style="list-style-type: none"> Off: Turn light (RH) is turned off. On: Turn light (RH) is turned on. 	—	<ul style="list-style-type: none"> Front turn light Side turn lights Rear turn light
TURN_SW	Off/ Turn_R_On / Turn_L_On /Unknown	<ul style="list-style-type: none"> Off: Turn switch is in OFF position Turn_R_On: Turn switch is in RH position Turn_L_On: Turn switch is in LH position Unknown: Turn switch position is not determined 	—	<ul style="list-style-type: none"> Turn Switch Start stop unit
VPWR_B	V	Front body control module (FBCM) power supply voltage is displayed.	—	Front body control module (FBCM)
VSPD	KPH, MPH	Vehicle speed is displayed.	—	PCM
WAS_FLUID_L*11	Normal/ Low/ Reserved/ Unknown	<ul style="list-style-type: none"> Normal: Washer fluid level is normal. Low: Washer fluid level is low. Reserved: — Unknown: Washer fluid level is not determined. 	—	Washer fluid-level sensor
WAS_MTRY_F	Off/On	<ul style="list-style-type: none"> Off: Front washer motor relay is off. On: Front washer motor relay is on. 	—	Front body control module (FBCM)

PID	Unit/ Operation	Data contents	Data read/use method	Inspection item (s)
WAS_MT_RY_R	Off/On	<ul style="list-style-type: none"> Off: Rear washer motor relay is off. On: Rear washer motor relay is on. 	—	Front body control module (FBCM)
WASHER_F	Off/On	<ul style="list-style-type: none"> Off: Front washer switch is off On: Front washer switch is on 	—	<ul style="list-style-type: none"> Windshield washer switch Start stop unit
WASHER_R	Off/On	<ul style="list-style-type: none"> Off: Rear wiper and washer switch is not in rear washer position On: Rear wiper and washer switch is in rear washer position 	—	<ul style="list-style-type: none"> Rear wiper and washer switch Start stop unit
WIP_CS_RLS*5	Off/ Single_Wipe/ F_Wiper_LOW/ F_Wiper_HI/Failure	<ul style="list-style-type: none"> Off: Wiper operation signal is not received from rain sensor. Single_Wipe: Signal to operate wiper once is received from rain sensor. F_Wiper_LOW: Signal to operate wiper at low speed is received from rain sensor. F_Wiper_HI: Signal to operate wiper at high speed is received from rain sensor. Failure: Communication with rain sensor is failed. 	—	Rain sensor
WIP_F	OFF/LOW/ HI/INT / AUTO	<ul style="list-style-type: none"> OFF: Windshield wiper switch is in OFF position LOW: Windshield wiper switch is in LO position HI: Windshield wiper switch is in HI position INT / AUTO: Windshield wiper switch is in INT or AUTO position 	—	<ul style="list-style-type: none"> Windshield wiper switch Start stop unit
WIP_F_INT_L	%	Windshield wiper INT level signal value received.	—	<ul style="list-style-type: none"> Windshield wiper switch Start stop unit
WIP_F_LOW	Off/On	<ul style="list-style-type: none"> Off: Windshield wiper switch is not in LO position. On: Windshield wiper switch is in LO position. 	—	<ul style="list-style-type: none"> Windshield wiper switch Start stop unit
WIP_F_MST	Stop/Move	<ul style="list-style-type: none"> Stop: Autostop switch is on. Move: Autostop switch is off. 	—	Windshield wiper motor
WIP_F_RY_HI	Off/On	<ul style="list-style-type: none"> Off: Windshield wiper high relay is off. On: Windshield wiper high relay is on. 	—	Front body control module (FBCM)
WIP_F_RY_LO	Off/On	<ul style="list-style-type: none"> Off: Windshield wiper low relay is off. On: Windshield wiper low relay is on. 	—	Front body control module (FBCM)
WIP_R	OFF/LOW/ INT	<ul style="list-style-type: none"> OFF: Rear wiper switch is in OFF position LOW: Rear wiper switch is in ON position INT: Rear wiper switch is in INT position 	—	<ul style="list-style-type: none"> Rear wiper switch Start stop unit
WIP_R_RY	Off/On	<ul style="list-style-type: none"> Off: Rear wiper motor is not operated. On: Rear wiper motor is operated. 	—	<ul style="list-style-type: none"> Rear wiper motor Instrument cluster Rear body control module (RBCM)

*1 : With advanced keyless entry system

*2 : With theft-deterrent system

*3 : With front fog lights

*4 : With headlight cleaner

*5 : With auto-light sensor

*6 : With high beam control (HBC) system

*7 : With PTC heater

*8 : With rear fog light

*9 : With seat warmer

*10 : ATX

*11 : With washer fluid-level sensor

*12 : With running light

*13 : With auto light system