

Read Current Data

EyeSight (DIAGNOSTICS)

7. Read Current Data

A: OPERATION

1. STEREO CAMERA

- 1) On «Main Menu» display, select {Each System Check}.
- 2) On «System Selection Menu» display, select {ADA adaptive cruise control system}.
- 3) On «ADA adaptive cruise control system» display, select {EyeSight (from 2009MY)}.
- 4) Click the [OK] button after the information of stereo camera has been displayed.
- 5) On «EyeSight (from 2009MY)» display, select {Current Data Display & Save}.
- 6) Using the scroll key, scroll the display screen up or down until the following data is shown.

Display	Content	Unit of measure	Reference
Camera ID	Display of serial No. inside the stereo camera	—	Displayed by 12 digits.
Camera battery voltage	Display of input voltage of stereo camera	V	Battery voltage
Camera temperature sensor (present)	Display of present temperature for internal circuit of stereo camera	°C	
Camera temperature sensor (past MAX value)	Display of stereo camera internal circuit temperature (past MAX value)	°C	
Camera temperature sensor (past MIN value)	Display of stereo camera internal circuit temperature (past MIN value)	°C	
Image ON/OFF status	ON/OFF status of present image sensor	—	ON (If the acceptable temperature range of the camera is exceeded or internal camera failure (partial) occurs, the image sensor turns off.)
Initial inspection distance accuracy rate	Factory settings information	%	
Initial inspection distance	Factory settings information	—	
Initial optical axis direction (X-axis)	Factory settings information	pix	
Initial optical axis direction (Y-axis)	Factory settings information	pix	
Initial optical axis correction value (X-axis)	Factory settings information	pix	
Initial optical axis correction value 2 (X-axis)	Factory settings information	pix	
Initial optical axis correction value (Y-axis)	Factory settings information	pix	
Initial shim type	Factory settings information	—	One of the followings is displayed. • Upward correction • Standard • Downward correction
Initial left image, rotation deviation correction value	Factory settings information	—	
Initial left image, vertical deviation correction value	Factory settings information	—	
Initial distance correction value	Factory settings information	—	
Initial error code	Factory settings information	—	
Initial aiming completion flag	Factory settings information	—	Aiming completed (After factory shipping, when stereo camera is replaced or adjusted, "Aiming not completed" is displayed.)

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Display	Content	Unit of measure	Reference
D C-Ratio	Dealer adjustment/inspection information	%	
Distance	Dealer adjustment/inspection information	—	
Optical axis correction value (X-axis)	Dealer adjustment/inspection information	pix	
Optical axis correction value 2 (X-axis)	Dealer adjustment/inspection information	pix	
Optical axis correction value (Y-axis)	Dealer adjustment/inspection information	pix	
Left image, rotation deviation correction value	Dealer adjustment/inspection information	—	
Left image, vertical deviation correction value	Dealer adjustment/inspection information	—	
Distance correction value	Dealer adjustment/inspection information	—	
Error code	Dealer adjustment/inspection information	—	
Aiming execution history	Dealer adjustment/inspection information	—	
Aiming completion flag	Dealer adjustment/inspection information	—	Aiming not completed (After factory shipping, when stereo camera is replaced or adjusted, "Aiming completed" is displayed.)
Automatic adjustment status	Index for automatic adjustment operation performed by the driving test after the completion of the optical axis adjustment	—	"1F" is displayed when completed.
Camera adjustment value (pitching)	Present adjustment status	pix	
Camera adjustment value (yaw)	Present adjustment status	pix	
Camera adjustment value (yaw 2)	Present adjustment status	pix	
Pre-crash brake function	ON/OFF status by pre-collision brake OFF switch	—	Switch status is displayed. • ON • OFF
Lane deviation warning function	ON/OFF status by lane departure warning OFF switch	—	Switch status is displayed. • ON • OFF
Headlight SW (LO)	Operation status of headlight LO switch	—	Switch status is displayed. • ON • OFF
Turn SW (Left)	Operation status of left turn switch	—	Switch status is displayed. • ON • OFF
Turn SW (Right)	Operation status of right turn switch	—	Switch status is displayed. • ON • OFF
Wiper SW (Front)	Operation status of front wiper switch	—	Switch status is displayed. • ON • OFF
Preceding vehicle distance	Display of distance from preceding vehicle	m	
Lane recognition status	Display of lane recognition status	—	Displayed when 20 m or more of the vehicle lane is recognized. • Right lane recognition: "01" • Left lane recognition: "10" • Lane not recognized: "00"

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Display	Content	Unit of measure	Reference
Model registration information	Display of displacement and vehicle model	—	Vehicle information is displayed.
Ineffective distance data count	Number of data for invalid distance during aiming	—	
Camera status1	Information of stereo camera	—	
Camera status2	Information of stereo camera	—	
Camera status3	Information of stereo camera	—	
Camera status4	Information of stereo camera	—	
Camera status5	Information of stereo camera	—	
Camera status6	Information of stereo camera	—	
Camera status7	Information of stereo camera	—	
System software version (4BYTE)	Information of stereo camera	—	
Recognition software version (4BYTE)	Information of stereo camera	—	
Camera failure real-time information	Current camera failure information	—	
Camera failure details, cumulative flag 1	Failure experience cumulative information since the last memory clear	—	
Camera failure details, cumulative flag 2		—	
Camera failure details, cumulative flag 3		—	
Camera failure details, cumulative flag 4		—	
Camera failure details, cumulative flag 5		—	
Camera failure details, cumulative flag 6		—	
Camera failure details, cumulative flag 7		—	
Camera failure details, cumulative flag 8		—	
Camera failure details, cumulative flag 9		—	
Camera failure details, cumulative flag 10		—	
Camera temporary stop, detail flag 1	Current camera temporary stop information <Ref. to ES(diag)-38, CAMERA TEMPORARY STOP INFORMATION, OPERATION, Read Current Data.>	—	
Camera temporary stop, detail flag 2		—	
Camera temporary stop, detail flag 3		—	
Camera temperature, operation status	Current camera temperature/operation status	—	Camera temperature/operation status is displayed. <ul style="list-style-type: none"> • Normal • High temperature • Low temperature
Ignition start number	Total IGN start number	Time	

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Display	Content	Unit of measure	Reference
Camera temperature abnormality IGON count 1	IGN time information when camera temperature becomes 85°C or more, or -40°C or less.	Time	When no abnormality in temperature is experienced, "0" is displayed.
Camera temperature abnormality IGON count 2	IGN time information when camera temperature becomes 85°C or more, or -40°C or less.	Time	
Camera temperature abnormality IGON count 3	IGN time information when camera temperature becomes 85°C or more, or -40°C or less.	Time	
Camera temperature abnormality IGON count 4	IGN time information when camera temperature becomes 85°C or more, or -40°C or less.	Time	
Camera temperature abnormality IGON count 5	IGN time information when camera temperature becomes 85°C or more, or -40°C or less.	Time	
Vehicle model registration information (camera inside)	Display of displacement and vehicle model	—	Vehicle information is displayed.
Camera temporary stop details 1	The latest information of the camera temporary stop (Camera temporary stop: 0 count — 23 counts)<Ref. to ES(diag)-38, CAMERA TEMPORARY STOP INFORMATION, OPERATION, Read Current Data.>	—	
Camera temporary stop details 2		—	
Camera temporary stop details 3		—	
Ignition start number when camera temporary stop	Total IGN start number since the latest camera temporary stop NOTE: If the IGN start number is "91" and the IGN start number during camera temporary stop is "85", this indicates that the latest occurrence of camera temporary stop was during the IGN starting of 6 times ago (this number can be obtained by the expression $91 - 85 = 6$).	Time	
Camera status8	Stereo camera temporary stop information	—	
Camera status9	Stereo camera temporary stop information	—	

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Display	Content	Unit of measure	Reference
Camera temporary stop 0 count	<p>Cumulative number of stereo camera temporary stop occurrence since the last memory clear</p> <p>For occurrence condition of each count, refer to "LIST OF CONTENTS FOR CAMERA TEMPORARY STOP: 0 — 23 COUNTS". <Ref. to ES(diag)-85, LIST OF CONTENTS FOR CAMERA TEMPORARY STOP: 0 — 23 COUNTS, LIST, List of Cancel Code.></p> <p>The number of occurrence is stored in each field, depending on conditions under which the temporary stop was made at "Temporary stop occurrence of camera recognition system". For details of the camera temporary stop information of current and past latest, check "Camera temporary stop, detail flag" and "Camera temporary stop details". Temporary stop related to other than camera recognition system, such as "temporary stop due to VDC OFF switch", is recorded in the cancel code.</p>	Time	
Camera temporary stop 1 count			
Camera temporary stop 2 count			
Camera temporary stop 3 count			
Camera temporary stop 4 count			
Camera temporary stop 5 count			
Camera temporary stop 6 count			
Camera temporary stop 7 count			
Camera temporary stop 8 count			
Camera temporary stop 9 count			
Camera temporary stop 10 count			
Camera temporary stop 11 count			
Camera temporary stop 12 count			
Camera temporary stop 13 count			
Camera temporary stop 14 count			
Camera temporary stop 15 count			
Camera temporary stop 16 count			
Camera temporary stop 17 count			
Camera temporary stop 18 count			
Camera temporary stop 19 count			
Camera temporary stop 20 count			
Camera temporary stop 21 count			
Camera temporary stop 22 count			
Camera temporary stop 23 count			

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Display	Content	Unit of measure	Reference
ACC forced cancellation code 1 (latest)	ACC forced cancellation occurrence information since the last memory clear For example of codes, refer to "LIST OF ACC FORCED CANCELLATION CODE". <Ref. to ES(diag)-92, LIST OF ACC FORCED CANCELLATION CODE, LIST, List of Cancel Code.> "When the cruise control set is released and the set operation is not accepted", the system records under which condition the ACC forced cancellation code is canceled and records the number of times since the latest occurrence of IGN start. If the cancellation is performed under the same condition, the code is not recorded as a new code, but recorded as the latest code, and the IGN number will be updated.	—	
IGN-ON count when ACC forced cancellation code 1 recorded		times past	
ACC forced cancellation code 2		—	
IGN-ON count when ACC forced cancellation code 2 recorded		times past	
ACC forced cancellation code 3		—	
IGN-ON count when ACC forced cancellation code 3 recorded		times past	
ACC forced cancellation code 4		—	
IGN-ON count when ACC forced cancellation code 4 recorded		times past	
ACC forced cancellation code 5		—	
IGN-ON count when ACC forced cancellation code 5 recorded		times past	
ACC forced cancellation code 6		—	
IGN-ON count when ACC forced cancellation code 6 recorded		times past	
ACC forced cancellation code 7		—	
IGN-ON count when ACC forced cancellation code 7 recorded		times past	
ACC forced cancellation code 8		—	
IGN-ON count when ACC forced cancellation code 8 recorded		times past	
Brake lamp SW signal	Brake switch signal status	—	Operation status of the brake pedal is displayed. • ON • OFF
Headlight SW (Hi)	Headlight switch (Hi) signal	—	Switch status is displayed. • ON • OFF
Small Light SW	Small light switch signal	—	Switch status is displayed. • ON • OFF
Headlight SW (Low)	Headlight switch (Lo) signal	—	Switch status is displayed. • ON • OFF
Front wiper ON-OFF status	Front wiper signal status	—	Switch status is displayed. • OFF or intermittent • LOW or higher
Message counter (BIU)	Body integrated unit message counter signal	—	
Integ. Unit internal malfunction flag	Body integrated unit failure signal	—	Normal

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Display	Content	Unit of measure	Reference
Rear defogge operation	Rear defogger operation signal	—	Rear defogger operation status is displayed. • ON • OFF
Integ. Unit HS-CAN malfunction	HS-CAN failure signal	—	Normal
Driver's seat belt status	Status of driver's seat belt	—	Seat belt status is displayed. • Seat belt released • Seat belt fastened
Driver's door status	Status of driver's door	—	Door status is displayed. • Close • Open
Passenger Door State	Status of passenger's door	—	Door status is displayed. • Close • Open
Backseat right door state	Status of rear right door	—	Door status is displayed. • Close • Open
Backseat left door state	Status of rear left door	—	Door status is displayed. • Close • Open
Engine Speed	Engine speed signal	rpm	Corresponds to the tachometer display.
Accelerator Opening Angle	Acceleration opening angle signal	%	
Idle Switch	Idle switch signal	—	"ON" during idling
CAN diagnosis, message transmission stop demand	Transmission stop signal for CAN diagnosis and CAN data	—	Normal
CRUISE Indicator ON request	Request signal for CRUISE indicator illumination	—	Indicator status is displayed. • OFF • ON
SET Indicator ON request	Request signal for SET indicator illumination	—	Indicator status is displayed. • OFF • ON
Target vehicle distance setting status	Setting status of target vehicle distance	—	Settings are displayed. • Distance setting: Long • Distance setting: Medium • Distance setting: Short • Constant speed
Driver's request torque	Torque signal requested by driver	Nm	
Actual engine torque	Actual engine torque signal	Nm	
ETC Throttle angle signal	Opening angle signal of electronic throttle control	%	
SI Drive mode (Control)	Identification signal of SI-DRIVE mode	—	Switch status is displayed. • S# • I • S
Fuel cut flag	Fuel cut signal	—	"OFF" during idling
Cruise main switch status	Status of cruise control main switch (CRUISE switch)	—	Switch status is displayed. • Other than ON • ON

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Display	Content	Unit of measure	Reference
Cruise command switch status	Status of the cruise control command switch	—	Switch status is displayed. <ul style="list-style-type: none"> • SW OFF • CANCEL SW ON • RES/+SW ON • SET/-SW ON • Vehicle distance SW ON Other statuses are not displayed.
Engine type AR/EJ discrimination flag	Engine type discrimination signal	—	Information of engine equipped is displayed. <ul style="list-style-type: none"> • EJ • AR
Message counter(ECM)	ECM message counter signal	—	
Accelerate state flag	Acceleration status signal	—	<ul style="list-style-type: none"> • OFF • ON
Resume hold state flag	Resume hold status signal	—	<ul style="list-style-type: none"> • OFF • ON
Coast status	Coast status signal of engine	—	“Other than coast” during idling
Resume deceleration hold state flag	Resume deceleration hold status signal	—	<ul style="list-style-type: none"> • OFF • ON
Fuel type	Fuel type	—	Gasoline
Engine displacement	Engine displacement	—	Information of engine equipped is displayed. <ul style="list-style-type: none"> • 2.5 L • 3.6 L
Camshaft type	Engine type	—	Information of engine equipped is displayed. <ul style="list-style-type: none"> • SOHC • DOHC
Number of cylinder	Number of cylinder for engine	—	Information of engine equipped is displayed. <ul style="list-style-type: none"> • H4 • H6
Turbo	Presence or absence of turbo	—	Information of engine equipped is displayed. <ul style="list-style-type: none"> • Turbo • Non-turbo
Cruise main status	Status of the cruise control main switch	—	Switch status is displayed. <ul style="list-style-type: none"> • ON • OFF
Cruise control SET status	Status of the cruise control set	—	Switch status is displayed. <ul style="list-style-type: none"> • ON • OFF
Accelerator wide opening judgment status	Signal that judges the accelerator opening angle to be “wide”.	—	“Not established” during idling
Brake status	Brake switch signal status	—	Brake switch status is displayed. <ul style="list-style-type: none"> • BRAKE OFF • BRAKE ON
Adaptive cruise control data NG flag	NG signal of stereo camera data	—	<ul style="list-style-type: none"> • OK • NG
Adaptive cruise control torque down prohibition flag	Torque down prohibition signal of stereo camera	—	<ul style="list-style-type: none"> • ON • OFF

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Display	Content	Unit of measure	Reference
AT/MT judgment flag	AT/MT distinction signal	—	Transmission equipped is displayed. • AT • MT
ETC malfunction information	Failure signal of electronic throttle control	—	• Normal • Abnormal
Engine malfunction information	Failure signal of ECM	—	• Normal • Abnormal
SI Drive mode (Display)	SI-DRIVE mode signal	—	Switch status is displayed. • No signal input • S# • I • S
Idle switch (TPS)	Idle status signal	—	Idle status is displayed. • Non idle status • Idle status
Delivery mode	Delivery mode status signal	—	• Normal • Delivery MODE
Cruise Control Set Speed	Set vehicle speed value for cruise control	km/h	Set value is displayed.
EPB Operating status	Operation status of parking brake	—	Operation status is displayed. • Error • Cancel • Operation completed (pulled status) • Operating (pull side) • Cancelling • Dynamic parking Other statuses are not displayed.
EPB Buzzer information	Buzzer status of parking brake	—	Buzzer status is displayed. • Not beeping • Switch sound • Switch impossible sound • Cancel sound
EPB Auto function ON light	Status of automatic function of parking brake	—	Depends on the status of EPB automatic function. ("OFF" for default) • ON • OFF
EPB Operating light	Status of parking brake warning light	—	Illumination status is displayed. • OFF • ON • Blink
Message counter (EPB)	Message counter signal of parking brake	—	
EPB error information	Error information of parking brake	—	Error information is displayed. • Normal • Stroke not finished • Emergency cancel • Pulling force abnormal
EPB operating permission flag1	Operating permission signal of parking brake	—	• ON • OFF
EPB operating permission flag2	Operating permission signal of parking brake	—	• Prohibit (cancel operation) • Permit (no cancel operation)

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Display	Content	Unit of measure	Reference
EPB operating permission flag3	Operating permission signal of parking brake	—	<ul style="list-style-type: none"> Prohibit (Crazy driver mode) Permit (normal mode)
Message counter(Meter)	Message counter signal of combination meter	—	
Remaining mileage	Remaining mileage signal	km	
Ambient air temperature	Ambient air temperature signal	°C	
Outside temperature (for control)	Outside temperature for control signal	°C	
Turn signal, Right output	Output signal for right turn signal	—	Operation status is displayed. <ul style="list-style-type: none"> OFF Turn signal, Right output
Turn signal, Left output	Output signal for left turn signal	—	Operation status is displayed. <ul style="list-style-type: none"> OFF Turn signal, Left output
Destination Code	Destination signal	—	Destination code is displayed.
Adaptive cruise control specification flag	Adaptive cruise distinction signal	—	<ul style="list-style-type: none"> Non-ACC spec. ACC specification
Eye Sight specification flag	EyeSight distinction signal	—	<ul style="list-style-type: none"> Non-Eye Sight spec. Eye Sight specification
Adaptive CC ECM, CAN information no-receive flag	No-receive signal of stereo camera CAN data	—	<ul style="list-style-type: none"> Normal Data no-receive
Large diameter tire distinction flag	Tire diameter distinction signal	—	<ul style="list-style-type: none"> Normal tire Large diameter tire
Meter malfunction information	Failure signal of combination meter	—	<ul style="list-style-type: none"> Normal Abnormal
Vehicle model identification "idling stop"	Auto Start Stop ON/OFF signal	—	<ul style="list-style-type: none"> Without Auto Start Stop With Auto Start Stop
Odometer value	ODO value signal of meter	km	
Fluid pressure target	Target value of brake fluid pressure	MPa	
Pre-crash BA command flag	Pre-crash brake assist command signal	—	<ul style="list-style-type: none"> Not commanded Commanding
Pre-crash action flag	Pre-crash command signal	—	<ul style="list-style-type: none"> Not commanded Commanding
EPB operating request flag	Parking brake request signal	—	<ul style="list-style-type: none"> Non request Request
Adaptive CC ECM malfunction flag for VDC	SI cruise failure signal to VDC control module	—	<ul style="list-style-type: none"> Normal (ACC/pre-crash control OK) Malfunction (ACC/Pre-crash control NG)
Brake control actuation permission flag	Brake operation permission signal	—	<ul style="list-style-type: none"> Brake control non-actuate Brake control actuate
EPB hill hold prohibition flag	Prohibition signal for parking brake hill hold	—	<ul style="list-style-type: none"> OFF ON
Pre-crash BA threshold	Pre-crash brake assist threshold	—	<ul style="list-style-type: none"> Normal Pre-crash BA threshold 1 Pre-crash BA threshold 2 Without Request
Message counter (Adaptive CC ECM)1	Message counter signal	—	
Target torque	Target torque command signal	Nm	

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Display	Content	Unit of measure	Reference
Leading vehicle follow flag	Preceding vehicle follow signal	—	<ul style="list-style-type: none"> • Not following • Following
LSF Flag	Low speed following mode signal	—	<ul style="list-style-type: none"> • Other than LSF • LSF
Target torque command flag	Target torque command signal	—	<ul style="list-style-type: none"> • Target torque command • Target vehicle speed command
ACC forced cancellation flag	ACC forced cancellation signal	—	<ul style="list-style-type: none"> • ACC non-forced cancel • ACC forced cancelling
Brake system distinction flag	Brake system distinction signal	—	<ul style="list-style-type: none"> • VDC control • Booster control
Brake control actuation flag	Actuation signal of brake control	—	<ul style="list-style-type: none"> • No control instruction • Control instruction
AT rapid start prevention control flag	AT rapid start prevention control	—	<ul style="list-style-type: none"> • With AT rapid start prevention control • Without AT rapid start prevention control
Stop hold, before reserve flag	Stop hold, before reserve signal	—	<ul style="list-style-type: none"> • OFF • ON (stop holding and before reserve)
AT shift set value upper limit	AT shift set value upper limit signal	—	<ul style="list-style-type: none"> • Without Request • 1st gear • 2nd gear • 3rd gear • 4th gear • 5th gear
AT rapid start prevention, engine torque down command value	AT rapid start prevention control, engine torque down command value	Nm	
Lane blinking (smash white-painted face)	Lane blinking (smash white-painted face)	—	<ul style="list-style-type: none"> • OFF • Simultaneous blinking • Alternation blinking
Steering wheel indication	Steering wheel indicator signal	—	<ul style="list-style-type: none"> • OFF • ON • Blinking 1 • Blinking 2
Road surface incline estimation value (level ground G deviation)	Road surface incline estimation value (level ground G deviation) signal	G	
Check sum	Error detection signal of adaptive cruise control	—	
EyeSight, Idling stop cooperation flag	Auto Start Stop cooperation signal	—	<ul style="list-style-type: none"> • Auto Start Stop not operation • Auto Start Stop operation
P-CR OFF indicator on flag	Pre-collision brake OFF indicator light illumination command signal	—	<p>Operation status of indicator is displayed.</p> <ul style="list-style-type: none"> • Light off command (Pre-crash ON) • Light on command (Pre-crash OFF)
LANE OFF indicator on flag	Lane departure warning OFF indicator light illumination command signal	—	<p>Operation status of indicator is displayed.</p> <ul style="list-style-type: none"> • Light off command (Lane deviation, stagger ON) • Light on command (Lane deviation, stagger OFF)

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Display	Content	Unit of measure	Reference
HALT code	HALT code signal for meter	—	<ul style="list-style-type: none"> No HALT HALT(E1 camera view defectiveness) HALT(E2 camera temperature range outside) HALT(E3 and others)
Cruise indicator flag for meter display	CRUISE indicator illumination signal	—	Operation status of indicator is displayed. <ul style="list-style-type: none"> OFF ON
Cruise control SET ON flag	SET indicator illumination signal	—	Operation status of indicator is displayed. <ul style="list-style-type: none"> CC not SET CC SET
Stop holding flag	Vehicle stopping signal	—	<ul style="list-style-type: none"> OFF Stop holding
READY flag	READY indicator illumination signal	—	Operation status of indicator is displayed. <ul style="list-style-type: none"> CC not READY CC READY
Vehicle distance setting	Vehicle distance setting signal	—	Settings are displayed. <ul style="list-style-type: none"> Distance setting: Short Distance setting: Medium Distance setting: Long CC constant speed mode
Vehicle speed set for meter display	Setting value for cruise set speed	km/h	
Warning code	Warning code signal	—	<ul style="list-style-type: none"> No alarm HALT Increase Brake Pedal Load/Vehicle distance alarm/Pre-crash brake ACC automatic cancel Pre-crash brakes 2 Lane deviation warning Stagger warning Preceding vehicle capture / lost sound Front vehicle acceleration AT false start restraint
Adaptive CC ECM malfunction flag	Failure signal of stereo camera	—	Normal
Message counter (Adaptive CC ECM)2	Message counter signal of stereo camera	—	
Request drive torque when closed position (for CVT)	Request drive torque when closed position (for CVT) signal	—	
ACC braking (driver or control) flag (for CVT)	ACC braking (driver or control) signal (for CVT)	—	OFF
Request drive torque control flag when closed position (for CVT)	Request drive torque control signal when closed position (for CVT)	—	No request
OFF indication	OFF indicator signal	—	<ul style="list-style-type: none"> OFF ON Blink
Preceding vehicle indication	Preceding vehicle indicator signal	—	<ul style="list-style-type: none"> OFF ON Blink

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Display	Content	Unit of measure	Reference
Surface resistance estimation value	Surface resistance estimation value	—	
Road surface incline estimation value	Road surface incline estimation value	%	
AT Type	AT type	—	AT types equipped are displayed. <ul style="list-style-type: none"> • CVT • 5AT
AWD type	Driving method of AWD	—	System equipped is displayed. <ul style="list-style-type: none"> • ACT4 • VTD
Total reduction ratio (current)	Current total reduction ratio signal	—	
Current gear position	Current gear position signal	—	Current gear position is displayed. <ul style="list-style-type: none"> • N • 1 • 2 • 3 • 4 • 5 • Automatic neutral • R • P No items other than above are displayed.
TCM malfunction information	Failure signal of TCM	—	<ul style="list-style-type: none"> • Abnormal • Normal
Target gear position	Target gear position signal	—	Target gear position is displayed. <ul style="list-style-type: none"> • N • 1 • 2 • 3 • 4 • 5 • Automatic neutral • R • P No items other than above are displayed.
Message counter(TCM)	Message counter signal of TCM	—	

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Display	Content	Unit of measure	Reference
Shift mode	AT shift mode signal	—	Current AT shift mode is displayed. <ul style="list-style-type: none"> • Other position • Selecting I • Selecting S • Selecting S# • Manual mode • Cruise Control controlled • Hill climb/down controlled • Acceleration controlled • Temporary mode • Accelerator pedal quick return controlled • Braking controlled • Cornering controlled • Automatic neutral controlled No items other than above are displayed.
Hill down mode flag	Hill down mode signal	—	Current status is displayed. <ul style="list-style-type: none"> • Hill down cancelling • Hill down
Sports shift gear position indication information	Sports shift gear position indication signal	—	<ul style="list-style-type: none"> • OFF • "1" • "2" • "3" • "4" • "5" • "E" • "-" • "6" • "7" • "8"
Lock up status	AT lock up status	—	Current status is displayed. <ul style="list-style-type: none"> • Open • Slip • Lock-up
CAN diagnosis, message transmission stop demand	Transmission stop judgment for CAN diagnosis and CAN data by TCM	—	<ul style="list-style-type: none"> • Normal • Stop
Steering angle sensor value	Steering angle sensor value signal	deg	Right turn: + Left turn: -
Yaw Rate value	Yaw rate value signal	deg/s	Right turn: - Left turn: +
Lateral acceleration	Lateral acceleration signal	m/s ²	Right turn: - Left turn: +
Adaptive CC ECM malfunction reception status	System failure reception status signal of stereo camera	—	<ul style="list-style-type: none"> • Malfunction reception • Malfunction no-receive
Adaptive CC ECM communication error	Communication failure signal of stereo camera	—	<ul style="list-style-type: none"> • Abnormal • Normal
Adaptive CC ECM deceleration request reception status	Reception status for deceleration request from stereo camera to VDC control module	—	<ul style="list-style-type: none"> • Without Request • Request
Pre-crash BA request reception status	Pre-crash brake assist request reception status	—	<ul style="list-style-type: none"> • Without Request • Request
Pre-crash request reception status	Pre-crash request reception status	—	<ul style="list-style-type: none"> • Without Request • Request
Brake control permission flag	Brake control permission signal	—	<ul style="list-style-type: none"> • ON • No permission

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Display	Content	Unit of measure	Reference
Driver brake detection flag	Brake operation signal generated by driver	—	Operation status of the brake pedal is displayed. • ON • OFF
Eye Sight variant flag	EyeSight variant signal	—	• Other than Eye Sight variant • Eye Sight variant
Wheel speed pulse counter	Wheel speed pulse counter signal	—	
Right front wheel W/C actual fluid pressure	Right front wheel cylinder fluid pressure	MPa	
Left front wheel W/C actual fluid pressure	Left front wheel cylinder fluid pressure	MPa	
Wheel speed average speed	Vehicle speed value	km/h	
M/C actual fluid pressure	Brake fluid pressure in master cylinder	MPa	
Longitudinal G sensor value	Longitudinal acceleration	m/s ²	Deceleration: + Acceleration: –
Message counter (VDC)	Message counter signal of VDC	—	
Vehicle height information	Vehicle height information	—	Vehicle information is displayed. • Unknown • OBK • Standard • OBK 2.5 i S package
VDC-OFF Indicator status	VDC-OFF indicator status	—	Operation status of indicator is displayed. • Light off • Light on
Pre-crash BA prohibition flag	Pre-crash brake assist prohibition signal	—	• Normal • Malfunction, Control stop
ABS operation flag	Operating status signal of ABS	—	• Not operating • Operating
TCS operation flag	Operating status signal of TCS	—	• Not operating • Operating
VDC oversteer control flag	Operating status signal of VDC	—	• Not during control • During control
VDC understeer control flag	Operating status signal of VDC	—	• Not during control • During control
BLS Signal status	Brake light illumination status	—	Illumination status is displayed. • OFF • BRAKE ON
VDC-OFF Flag	VDC OFF signal	—	Switch status is displayed. • System OFF • System ON
VDC sensor abnormal flag	VDC sensor failure signal	—	• Sensor normal • Sensor abnormal
Vehicle speed sensor abnormal flag	Vehicle speed sensor failure signal	—	• Sensor normal • Sensor abnormal
VDC system abnormal flag	VDC system failure signal	—	• VDC normal • VDC malfunction
VDC WL flag		—	• ON • OFF
CAN diagnosis, transmissions stop	Transmission stop judgment for CAN diagnosis and CAN data	—	• ON • Diagnosis, send message stop request

Read Current Data

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Display	Content	Unit of measure	Reference
Front left wheel speed	Front left wheel speed sensor signal value	km/h	
Front right wheel speed	Front right wheel speed sensor signal value	km/h	
Rear left wheel speed	Rear left wheel speed sensor signal value	km/h	
Rear right wheel speed	Rear right wheel speed sensor signal value	km/h	
Message counter (Auto Start Stop)	Message counter signal of Auto Start Stop CM	—	
Restart cranking demand	Restart request signal	—	<ul style="list-style-type: none"> • No request • With Request
Under Auto Start Stop control	Under Auto Start Stop control signal	—	<ul style="list-style-type: none"> • Outside Auto Start Stop control • Under Auto Start Stop control
Main power supply voltage drop state	Power supply voltage drop signal	—	<ul style="list-style-type: none"> • Other than power supply voltage drop • Power supply voltage drop
Idling stop demand	Idling stop demand signal	—	<ul style="list-style-type: none"> • No request • With Request
EPB operation instructions	Electronic parking brake operation instructions signal	—	<ul style="list-style-type: none"> • No operation instructions • Operation instructions
During idling stop	During idling stop signal	—	<ul style="list-style-type: none"> • Other than during idling stop signal • During idling stop
Auto Start Stop operation permission	Auto Start Stop operation permission signal	—	<ul style="list-style-type: none"> • Operation prohibit • Operating Permission
Auto Start Stop system failure	Auto Start Stop system failure signal	—	<ul style="list-style-type: none"> • Normal • Abnormal

NOTE:

- For detailed operation procedures, refer to “PC application help for Subaru Select Monitor”.
- For details on camera temporary stop count, refer to “LIST OF CONTENTS FOR CAMERA TEMPORARY STOP: 0 — 23 COUNTS”. <Ref. to ES(diag)-85, LIST OF CONTENTS FOR CAMERA TEMPORARY STOP: 0 — 23 COUNTS, LIST, List of Cancel Code.>
- For details on ACC forced cancellation code, refer to “LIST OF ACC FORCED CANCELLATION CODE”. <Ref. to ES(diag)-92, LIST OF ACC FORCED CANCELLATION CODE, LIST, List of Cancel Code.>

Read Current Data

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2. CAMERA TEMPORARY STOP INFORMATION

Display	Measurement value	Remarks
Camera temporary stop, detail flag 1 and Camera temporary stop details 1	00	Not applicable to conditions of camera temporary stop count 0 — 7.
	01	Temporary stop has been made under the condition of camera temporary stop count 0.
	02	Temporary stop has been made under the condition of camera temporary stop count 1.
	04	Temporary stop has been made under the condition of camera temporary stop count 2.
	08	Temporary stop has been made under the condition of camera temporary stop count 3.
	10	Temporary stop has been made under the condition of camera temporary stop count 4.
	20	Temporary stop has been made under the condition of camera temporary stop count 5.
	40	Temporary stop has been made under the condition of camera temporary stop count 6.
	80	Temporary stop has been made under the condition of camera temporary stop count 7.
Camera temporary stop, detail flag 2 and Camera temporary stop details 2	00	Not applicable to conditions of camera temporary stop count 8 — 15.
	01	Temporary stop has been made under the condition of camera temporary stop count 8.
	02	Temporary stop has been made under the condition of camera temporary stop count 9.
	04	Temporary stop has been made under the condition of camera temporary stop count 10.
	08	Temporary stop has been made under the condition of camera temporary stop count 11.
	10	Temporary stop has been made under the condition of camera temporary stop count 12.
	20	Temporary stop has been made under the condition of camera temporary stop count 13.
	40	Temporary stop has been made under the condition of camera temporary stop count 14.
	80	Temporary stop has been made under the condition of camera temporary stop count 15.
Camera temporary stop, detail flag 3 and Camera temporary stop details 3	00	Not applicable to conditions of camera temporary stop count 16 — 23.
	01	Temporary stop has been made under the condition of camera temporary stop count 16.
	02	Temporary stop has been made under the condition of camera temporary stop count 17.
	04	Temporary stop has been made under the condition of camera temporary stop count 18.
	08	Temporary stop has been made under the condition of camera temporary stop count 19.
	10	Temporary stop has been made under the condition of camera temporary stop count 20.
	20	Temporary stop has been made under the condition of camera temporary stop count 21.
	40	Temporary stop has been made under the condition of camera temporary stop count 22.
	80	Temporary stop has been made under the condition of camera temporary stop count 23.

NOTE:

For details on camera temporary stop count, refer to “LIST OF CONTENTS FOR CAMERA TEMPORARY STOP: 0 — 23 COUNTS”. <Ref. to ES(diag)-85, LIST OF CONTENTS FOR CAMERA TEMPORARY STOP: 0 — 23 COUNTS, LIST, List of Cancel Code.>

3. ENGINE CONTROL MODULE (ECM)

For current data of engine control module, refer to ENGINE (DIAGNOSTICS).

4. VDC CONTROL MODULE (VDC CM)

For current data of VDC control module, refer to VDC (DIAGNOSTICS). <Ref. to VDC(diag)-17, READ CURRENT DATA, OPERATION, Subaru Select Monitor.>

5. TRANSMISSION CONTROL MODULE (TCM)

For current data of transmission control module, refer to 5AT (DIAGNOSTICS) or CVT (DIAGNOSTICS). <Ref. to 5AT(diag)-18, OPERATION, Read Current Data.> <Ref. to CVT(diag)-15, OPERATION, Subaru Select Monitor.>

6. PARKING BRAKE CONTROL MODULE (EPB CM)

For current data of parking brake control module, refer to PARKING BRAKE (DIAGNOSTICS). <Ref. to PB(diag)-14, READ CURRENT DATA, OPERATION, Subaru Select Monitor.>

7. BODY INTEGRATED UNIT

For current data of body integrated unit, refer to BODY CONTROL (DIAGNOSTICS). <Ref. to BC(diag)-12, LIST, Read Current Data.>