

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.

NOTE:

For detailed operation procedures, refer to “PC application help for Subaru Select Monitor”.

• **List**

Display	Content	Unit of measure	Reference
Camera ID	Display of serial No. inside the stereo camera	—	—
Control Software Version	Control software version	—	—
Recognition Software Version	Recognition software version	—	—
Model registration information	Display of displacement and vehicle model	—	—
ECU Power Supply Voltage (IG)	Display of input voltage of stereo camera	V	—
Initial Aiming Completion Status	Initial aiming completion flag	—	Finished (After factory shipping, when stereo camera is replaced or adjusted, “Not Finish” is displayed.)
Aiming Completion Status	Aiming completion flag	—	Not Finish (After factory shipping, when stereo camera is replaced or adjusted, “Finished” is displayed.)
Ignition SW ON Count	Total count of ignition switch ON	times	—
Trip Meter	Odometer value	<ul style="list-style-type: none"> • km • mile 	—
Front Axle Wheel Average Speed	Front axle average wheel speed	km/h	—
Engine Speed	Engine speed	rpm	—
Accel opening angle	Acceleration opening angle signal	%	—
ETC Throttle Angle Signal	Electronic throttle control opening angle signal	%	—
Steering Angle Sensor Value (Right +) (Left –)	Steering angle sensor value signal	deg	—
Longitudinal G Sensor Value (Deceleration +) (Acceleration –)	Longitudinal acceleration	m/s ²	—
Brake Fluid Target Pressure	Target value of brake fluid pressure	MPa	—
Master Cylinder Actual Fluid Pressure	Brake pressure	MPa	—
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	—
Target Torque	Target torque command signal	Nm	—
Engine Torque	Actual engine shaft torque value	Nm	—
AT rapid start prevention, engine torque down command value	AT rapid start prevention control, engine torque down command value	Nm	—

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
Warning Code	Warning code signal	—	<ul style="list-style-type: none"> • No Alarm • HALT • Brake More Warning or Following Distance Warning or Pre-Collision Brake(1st Braking) • ACC Cancel • Pre-Collision Brake (2nd Braking) • LDW/Lane Departure Prevention Assist • Stagger warning • Detection/Lost of Vehicle Beep • Lead Vehicle Start Alert • Pre-Collision Throttle Management
Brake SW Input	Brake switch signal status	—	<ul style="list-style-type: none"> • OFF • ON
Brake Lamp SW (BIU)	Brake light switch signal status	—	<ul style="list-style-type: none"> • OFF • ON
Brake Lamp SW (VDC)	Brake light switch status	—	<ul style="list-style-type: none"> • OFF • ON
Current gear position	Current gear position signal	—	<ul style="list-style-type: none"> • P • R • Automatic neutral • 6 • 5 • 4 • 3 • 2 • 1 • N
SI Drive Mode	SI-DRIVE mode (display)	—	<ul style="list-style-type: none"> • OFF • S# • I • S
Under Auto Start Stop control	Auto Start Stop under-control signal	—	<ul style="list-style-type: none"> • Except Controlling • Controlling
Trip Count	Number of ignition ON	times	—
Count	Original count identification information	—	—
Time Count	Elapsed time after ignition switch ON	ms	—
Automatic Adjustment Status	Automatic adjustment status	—	—
Lane Recognition Status	Display of lane recognition status	—	<ul style="list-style-type: none"> • Other than follows: 00 • Both lanes are recognized at 40 km/h (25 MPH) or more: 03 • Both lanes are recognized at 65 km/h (40 MPH) or more: 05 • 11 (when right and left lanes are recognized)
Preceding vehicle distance	Display of distance from preceding vehicle	m	—

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
EyeSight Temporary 0 Count	Occurrence count of EyeSight temporary stop 0	times	Refer to “List of contents for camera temporary stop”. <Ref. to ES(diag)-68, LIST OF CONTENTS FOR CAMERA TEMPORARY STOP, LIST, EyeSight Temporary Code(s) Display.>
EyeSight Temporary 1 Count	Occurrence count of EyeSight temporary stop 1	times	
EyeSight Temporary 2 Count	Occurrence count of EyeSight temporary stop 2	times	
EyeSight Temporary 3 Count	Occurrence count of EyeSight temporary stop 3	times	
EyeSight Temporary 4 Count	Occurrence count of EyeSight temporary stop 4	times	
EyeSight Temporary 5 Count	Occurrence count of EyeSight temporary stop 5	times	
EyeSight Temporary 6 Count	Occurrence count of EyeSight temporary stop 6	times	
EyeSight Temporary 7 Count	Occurrence count of EyeSight temporary stop 7	times	
EyeSight Temporary 8 Count	Occurrence count of EyeSight temporary stop 8	times	
EyeSight Temporary 9 Count	Occurrence count of EyeSight temporary stop 9	times	
EyeSight Temporary 10 Count	Occurrence count of EyeSight temporary stop 10	times	
EyeSight Temporary 11 Count	Occurrence count of EyeSight temporary stop 11	times	
EyeSight Temporary 12 Count	Occurrence count of EyeSight temporary stop 12	times	
EyeSight Temporary 13 Count	Occurrence count of EyeSight temporary stop 13	times	
EyeSight Temporary 14 Count	Occurrence count of EyeSight temporary stop 14	times	
EyeSight Temporary 15 Count	Occurrence count of EyeSight temporary stop 15	times	
EyeSight Temporary 16 Count	Occurrence count of EyeSight temporary stop 16	times	
EyeSight Temporary 17 Count	Occurrence count of EyeSight temporary stop 17	times	
EyeSight Temporary 18 Count	Occurrence count of EyeSight temporary stop 18	times	
EyeSight Temporary 19 Count	Occurrence count of EyeSight temporary stop 19	times	
EyeSight Temporary 20 Count	Occurrence count of EyeSight temporary stop 20	times	
EyeSight Temporary 21 Count	Occurrence count of EyeSight temporary stop 21	times	
EyeSight Temporary 22 Count	Occurrence count of EyeSight temporary stop 22	times	
EyeSight Temporary 23 Count	Occurrence count of EyeSight temporary stop 23	times	
EyeSight Temporary 24 Count	Occurrence count of EyeSight temporary stop 24	times	
EyeSight Temporary 25 Count	Occurrence count of EyeSight temporary stop 25	times	
EyeSight Temporary 26 Count	Occurrence count of EyeSight temporary stop 26	times	
EyeSight Temporary 27 Count	Occurrence count of EyeSight temporary stop 27	times	
EyeSight Temporary 28 Count	Occurrence count of EyeSight temporary stop 28	times	
EyeSight Temporary 29 Count	Occurrence count of EyeSight temporary stop 29	times	
EyeSight Temporary 30 Count	Occurrence count of EyeSight temporary stop 30	times	
EyeSight Temporary 31 Count	Occurrence count of EyeSight temporary stop 31	times	
Camera Failure Check 1	Camera failure supplementary information	—	—
Camera Failure Check 2			
Camera Failure Check 3			
Camera Failure Check 4			
Camera Failure Check 5			
Cruise Control Main Status (ECM → EyeSight)	Cruise switch status	—	<ul style="list-style-type: none"> • OFF • ON
Cruise Control Indicator (EyeSight → Combination Meter)	CRUISE indicator ON signal	—	<ul style="list-style-type: none"> • OFF • ON
Cruise Control Main Display (ECM → EyeSight)	CRUISE indicator ON request signal	—	<ul style="list-style-type: none"> • OFF • ON
Cruise Control SW	Cruise switch status	—	<ul style="list-style-type: none"> • OFF • RES+ ON • F.D. ON • SET- ON • Main ON • Disconnect • Cancel ON

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
Cruise Control SW (Vehicle Distance Setting)	Status of the EyeSight steering switch 2 input side	—	<ul style="list-style-type: none"> • OFF • RES+ (Shallow) ON • F.D. Set+ ON • SET- (Shallow) ON • F.D. Set(-) ON • Disconnect
Cruise Control SW (EyeSight → ECM)	Status of the EyeSight steering switch (EyeSight → ECM)	—	<ul style="list-style-type: none"> • OFF • Main ON • SET/- (Shallow) ON • SET/- (Deep) ON • RES/+ (Shallow) ON • RES/+ (Deep) ON • Cancel ON • Open
Cruise Control Set Status (ECM → EyeSight)	Status of the cruise control set status	—	<ul style="list-style-type: none"> • Cancel • Set
Cruise Control Set ON (EyeSight → Combination Meter)	SET indicator illumination signal	—	<ul style="list-style-type: none"> • OFF • ON
Cruise Control Set Display (ECM → EyeSight)	Request signal for SET indicator illumination	—	<ul style="list-style-type: none"> • OFF • ON
Cruise Control Mode	Cruise control mode signal	—	<ul style="list-style-type: none"> • ACC Mode • CC Mode
Pre-Collision Brake OFF Display Signal	Pre-collision brake OFF indicator light illumination command signal	—	<ul style="list-style-type: none"> • OFF • ON
Pre-Collision Brake Function	ON/OFF status of pre-collision brake function	—	<ul style="list-style-type: none"> • OFF • ON
Pre-Collision Brake OFF SW	Pre-collision brake OFF switch status	—	<ul style="list-style-type: none"> • OFF • ON • Disconnect
Lane Departure Warning OFF Indicator	Lane departure warning OFF indicator light illumination command signal	—	<ul style="list-style-type: none"> • OFF • ON
Lane Departure Warning Function	ON/OFF status of the lane departure warning function	—	<ul style="list-style-type: none"> • OFF • ON
Lane Departure Warning OFF SW	Lane departure warning OFF switch status	—	<ul style="list-style-type: none"> • OFF • ON • Disconnect
Vehicle Speed Set Display	Cruise control set vehicle speed set value	<ul style="list-style-type: none"> • km/h • MPH 	—
Cruise Control Set Speed	Set vehicle speed value for cruise control	<ul style="list-style-type: none"> • km/h • MPH 	—
Drive Wheel Average Speed	Average wheel speed signal	km/h	—
Front Left Wheel Speed	Front left wheel speed signal	km/h	—
Front Right Wheel Speed	Front right wheel speed signal	km/h	—
Rear Left Wheel Speed	Rear left wheel speed signal	km/h	—
Rear Right Wheel Speed	Rear right wheel speed signal	km/h	—
Wheel Speed (Pulse)	Wheel speed pulse counter signal	—	—
CVT Target Revolution Speed Control Signal	CVT target revolution speed command signal	—	<ul style="list-style-type: none"> • OFF • ON
CVT Target Revolution Speed Value	CVT target revolution speed	rpm	—
Transmission Turbine Speed	AT turbine speed signal	rpm	—
Driver Torque Request	Torque value requested by driver	Nm	—
Accelerator wide opening judgment status	Signal that judges the accelerator opening angle to be “wide”	—	<ul style="list-style-type: none"> • Not established • Established

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
Intake Manifold Pressure Absolute	Engine intake manifold pressure	mmHg	—
Gear Ratio	Current total reduction ratio signal	—	—
Atmospheric pressure	Atmospheric pressure signal	mmHg	—
Adaptive Cruise Control Brake Control Status	Brake control permission signal for adaptive cruise control	—	<ul style="list-style-type: none"> • OFF • ON
Adaptive Cruise Control Braking Signal	Actuation signal of brake control	—	<ul style="list-style-type: none"> • Not performed • Perform
Adaptive Cruise Control Braking (ACC or Driver) Status (for CVT)	Adaptive cruise control braking (driver or control) signal (for CVT)	—	<ul style="list-style-type: none"> • No Braking • Braking applied
Hill Down Mode	Hill down mode signal	—	<ul style="list-style-type: none"> • Hill down cancelling • Hill down
READY Display	READY indicator illumination signal	—	<ul style="list-style-type: none"> • OFF • ON
Vehicle Distance Setting Display	Vehicle distance setting indicator signal	—	<ul style="list-style-type: none"> • Follow Far Distance • Follow Medium Distance • Follow Close Distance • Conventional Cruise Control
Preceding vehicle indication	Preceding vehicle indicator signal	—	<ul style="list-style-type: none"> • OFF • ON • Blink
Preceding vehicle distance	Preceding vehicle distance signal	m	<ul style="list-style-type: none"> • $0 \leq x < 5$ • $5 \leq x < 10$ • $10 \leq x < 15$ • $15 \leq x < 20$ • $20 \leq x < 25$ • $25 \leq x < 30$ • $30 \leq x < 35$ • $35 \leq x < 40$ • $40 \leq x < 45$ • $45 \leq x < 50$ • $50 \leq x < 55$ • $55 \leq x < 60$ • $60 \leq x < 65$ • $65 \leq x < 70$ • $70 \leq x < 75$ • $75 \leq x$
Adaptive Cruise Control OFF Display	OFF indicator signal	—	<ul style="list-style-type: none"> • OFF • ON • Blink
Adaptive Cruise Control Stop Hold Status	Signal of stop and hold status before reservation	—	<ul style="list-style-type: none"> • OFF • ON (stop holding and before reserve)
EPB Hill Hold Prohibited	Hill hold prohibition signal	—	<ul style="list-style-type: none"> • ON • OFF
Idling Stop Brake Input Status	Auto Start Stop brake cooperation signal	—	<ul style="list-style-type: none"> • Disengaged • Engaged
Fuel Cut Control Status	Fuel cut control permission signal	—	<ul style="list-style-type: none"> • ON • OFF
All Cylinder Fuel Cut Status	Fuel cut signal	—	<ul style="list-style-type: none"> • Normal • Fuel Cut
Low Speed Following	Low speed following mode signal	—	<ul style="list-style-type: none"> • No • Yes

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
Display for Adaptive Cruise Control Cancel Reason	Display for adaptive cruise control cancel reason	—	<ul style="list-style-type: none"> • Not Cancel • No Manual Mode or No D Position • Door Open • Driver's Seatbelt is Unfastened • Parking Brake Operation • Steering Operation • High vehicle speed • ABS Operation • VDC operation • Steeply sloping road • Other
Adaptive Cruise Control Forced Cancel	Adaptive cruise control forced cancel signal	—	<ul style="list-style-type: none"> • No • Yes
EyeSight Deceleration Request (VDC)	Deceleration request reception status signal from stereo camera	—	<ul style="list-style-type: none"> • Not yet received • Receive
Parking Brake SW	Parking brake switch signal status	—	<ul style="list-style-type: none"> • OFF • ON
Driver Brake Detection	Driver brake detection signal	—	<ul style="list-style-type: none"> • OFF • ON
Driver Door Status	Driver's door switch signal status	—	<ul style="list-style-type: none"> • Close • Open
Passenger Door Front Status	Passenger's door switch signal status	—	<ul style="list-style-type: none"> • Close • Open
Right Rear Door Status	Right rear door switch signal status	—	<ul style="list-style-type: none"> • Close • Open
Left Rear Door Status	Left rear door switch signal status	—	<ul style="list-style-type: none"> • Close • Open
Rear Gate Status	Rear gate door switch signal status	—	<ul style="list-style-type: none"> • Close • Open
Driver Seat Belt Status	Status of driver's seat belt	—	<ul style="list-style-type: none"> • OFF • ON
VDC Over Steer Control	VDC operating status signal 1	—	<ul style="list-style-type: none"> • Not Controlling • Controlling
VDC Under Steer Control	VDC operating status signal 2	—	<ul style="list-style-type: none"> • Not Controlling • Controlling
ABS Operation	Operating status signal of ABS	—	<ul style="list-style-type: none"> • Not Operating • Operate
TCS Operation	Operating status signal of TCS	—	<ul style="list-style-type: none"> • Not Operating • Operate
Brake Control Actuation	Brake operation permission signal	—	<ul style="list-style-type: none"> • Not performed • Perform
Ignition SW ON Count When Following Distance Warning at The Latest	Ignition switch ON count when the vehicle distance alarm is activated (the latest)	times	—
Ignition SW ON Count When Following Distance Warning at The 1 Time before	Ignition switch ON count when the vehicle distance alarm is activated (1 times before)	times	—
Ignition SW ON Count When Following Distance Warning at The 2 Time before	Ignition switch ON count when the vehicle distance alarm is activated (2 times before)	times	—
Ignition SW ON Count When Pre-Collision Throttle Management at The Latest	Ignition switch ON count when AT false start prevention control is activated (the latest)	times	—

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
Ignition SW ON Count When Pre-Collision Throttle Management at The 1 Time before	Ignition switch ON count when AT false start prevention control is activated (1 times before)	times	—
Ignition SW ON Count When Pre-Collision Throttle Management at The 2 Time before	Ignition switch ON count when AT false start prevention control is activated (2 times before)	times	—
Ignition SW ON Count When Pre-Collision 1st Braking at The Latest	Ignition switch ON count when the pre-collision 1st braking is operated (at the latest)	times	—
Ignition SW ON Count When Pre-Collision 1st Braking at The 1 Time before	Ignition switch ON count when the pre-collision 1st braking is operated (1 times before)	times	—
Ignition SW ON Count When Pre-Collision 1st Braking at The 2 Time before	Ignition switch ON count when the pre-collision 1st braking is operated (2 times before)	times	—
Ignition SW ON Count When Pre-Collision 1st Braking at The 3 Time before	Ignition switch ON count when the pre-collision 1st braking is operated (3 times before)	times	—
Ignition SW ON Count When Pre-Collision 2nd Braking at The Latest	Ignition switch ON count when the pre-collision 2nd braking is operated (at the latest)	times	—
Ignition SW ON Count When Pre-Collision 2nd Braking at The 1 Time before	Ignition switch ON count when the pre-collision 2nd braking is operated (1 times before)	times	—
Ignition SW ON Count When Pre-Collision 2nd Braking at The 2 Time before	Ignition switch ON count when the pre-collision 2nd braking is operated (2 times before)	times	—
Ignition SW ON Count When Pre-Collision 2nd Braking at The 3 Time before	Ignition switch ON count when the pre-collision 2nd braking is operated (3 times before)	times	—
Pre-Collision Brake Assist Command	Pre-collision brake assist command signal	—	<ul style="list-style-type: none"> • OFF • ON
Pre-Collision Brake Assist Operation	Pre-collision brake assist request reception status	—	<ul style="list-style-type: none"> • Not Operating • Operate
Pre-Collision Brake Action	Pre-collision brake command signal	—	<ul style="list-style-type: none"> • OFF • ON
Pre-Collision Brake Operation	Pre-collision brake operation status	—	<ul style="list-style-type: none"> • Not Operating • Operate
Pre-Collision Brake Assist Threshold	Pre-collision brake threshold	—	<ul style="list-style-type: none"> • Normal • Threshold 1 • Threshold 2 • No Request
Rear Wheel Slip Control Operation	Rear wheel slip detection signal	—	<ul style="list-style-type: none"> • Not operating • Operating
Steering Responsive Fog Lamps Function	Presence/absence signal of the steering-interlocked fog light function	—	<ul style="list-style-type: none"> • OFF • ON
Steering Responsive Fog Lamps "OFF" Indicator	Status of the steering-interlocked fog light OFF display	—	<ul style="list-style-type: none"> • OFF • ON • Blink
Steering Responsive Fog Lamp(R) Status	Illumination status of the steering-interlocked right fog light	—	<ul style="list-style-type: none"> • OFF • ON
Steering Responsive Fog Lamp(L) Status	Illumination status of the steering-interlocked left fog light	—	<ul style="list-style-type: none"> • OFF • ON
Active Lane Keep System	Presence/absence signal of the lane keep assist function	—	<ul style="list-style-type: none"> • OFF • ON

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
Lane Blink	Request signal for lane (solid line) blinking	—	<ul style="list-style-type: none"> • OFF • ON • Blinking 1 • Blinking 2
Steering Wheel Display	Lane deviation warning light (steering wheel icon) illumination signal	—	<ul style="list-style-type: none"> • OFF • ON • Blinking 1 • Blinking 2
Turn SW (Left)	Operation status of left turn switch	—	<ul style="list-style-type: none"> • OFF • ON
Turn SW (Right)	Operation status of right turn switch	—	<ul style="list-style-type: none"> • OFF • ON
Yaw Rate Value (Right –) (Left +)	Yaw rate value signal	rad/sec	—
Lateral G Sensor Value (Right –) (Left +)	Lateral acceleration signal	m/s ²	—
Driver Throttle Input Override Control	Instruction signal of AT false start prevention control	—	<ul style="list-style-type: none"> • OFF • ON
Warning Code (Sub)	Warning code signal for EyeSight	—	<ul style="list-style-type: none"> • No Alarm • Limit Speed Warning • Rear View Alarm • Red Traffic Light Warning
Adaptive Cruise Control Torque Down	Torque down prohibition signal of stereo camera	—	<ul style="list-style-type: none"> • ON • OFF
Initial Inspection Distance Accuracy Rate	Accuracy rate of initial inspection distance	%	—
Initial inspection distance	Initial inspection distance	—	—
Initial Optical Axis (X-Axis)	Initial optical axis (X-axis)	pix	—
Initial Optical Axis (X-Axis2)	Initial optical axis (X-axis 2)	pix	—
Initial Optical Axis (Y-Axis)	Initial optical axis (Y-axis)	pix	—
Initial Left Image Rotation Deviation Correction Value	Initial left image, rotation deviation correction value	—	—
Initial Left Image Vertical Deviation Correction Value	Initial left image, vertical deviation correction value	—	—
Initial Right Image Rotation Deviation Correction Value	Initial right image, rotation deviation correction value	—	—
Initial Distance Correction Value	Initial distance correction value	—	—
Initial Invalid Distance Data Count	Number of initial invalid distance data	—	—
Initial Other Inspection	Another initial inspection	—	—
Initial Error Code	Initial error code	—	—
DC-Ratio	Accuracy rate of inspection distance	%	—
Distance	Inspection distance	—	—
Optical Axis (X-Axis)	Optical axis (X-axis)	pix	—
Optical Axis (X-Axis2)	Optical axis (X-axis 2)	pix	—
Optical Axis (Y-Axis)	Optical axis (Y-axis)	pix	—
Left Image Rotation Deviation Correction Value	Left image, rotation deviation correction value	—	—
Left Image Vertical Deviation Correction Value	Left image, vertical deviation correction value	—	—
Right Image Rotation Deviation Correction Value	Right image, rotation deviation correction value	—	—
Distance Correction Value	Distance correction value	—	—
Invalid Distance Data Count	Number of invalid distance data	—	—

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
Other Inspection	Other inspection	—	—
Error Code	Error code detailed information	—	—
Camera Battery Open Status (+B)	Display of stereo camera battery (+B circuit) status	—	<ul style="list-style-type: none"> • Connect • Disconnect
Image ON/OFF status	ON/OFF status of present image sensor	—	<ul style="list-style-type: none"> • OFF • ON
Camera Temperature (Current)	Current temperature display of stereo camera internal circuit	°C	—
Camera Temperature Operation Status	Camera temperature and operation status	—	<ul style="list-style-type: none"> • Normal • High Temperature • Low Temperature
Camera Temperature (Previous Maximum Value)	Display of stereo camera internal circuit temperature (past MAX value)	°C	—
Ignition SW ON Count When Camera Temperature (Previous Maximum Value)	Ignition switch ON count when stereo camera internal circuit temperature is displayed (past MAX value)	times	—
Camera Temperature (Previous Minimum Value)	Display of stereo camera internal circuit temperature (past MIN value)	°C	—
Ignition SW ON Count When Camera Temperature (Previous Minimum Value)	Ignition switch ON count when stereo camera internal circuit temperature is displayed (past MIN value)	times	—
EyeSight Temporary 0 Continuation Count	Continuation count of EyeSight temporary stop 0	times	—
EyeSight Temporary 1 Continuation Count	Continuation count of EyeSight temporary stop 1	times	—
EyeSight Temporary 2 Continuation Count	Continuation count of EyeSight temporary stop 2	times	—
EyeSight Temporary 3 Continuation Count	Continuation count of EyeSight temporary stop 3	times	—
EyeSight Temporary 4 Continuation Count	Continuation count of EyeSight temporary stop 4	times	—
EyeSight Temporary 5 Continuation Count	Continuation count of EyeSight temporary stop 5	times	—
EyeSight Temporary 6 Continuation Count	Continuation count of EyeSight temporary stop 6	times	—
EyeSight Temporary 7 Continuation Count	Continuation count of EyeSight temporary stop 7	times	—
EyeSight HALT Code	EyeSight halt code signal	—	<ul style="list-style-type: none"> • No HALT • E1(No Camera View) • E2(Out of Temp. Range) • E3(Other)
Ambient Air Temperature(Indication)	Ambient air temperature signal	°C	—
Ambient Air Temperature(Control)	Outside temperature for control signal	°C	—
Head lamp : small	Headlight small signal status	—	<ul style="list-style-type: none"> • OFF • ON
Headlight SW (LO)	Headlight LO switch operation status	—	<ul style="list-style-type: none"> • OFF • ON
Head Lamp High Beam	Headlight Hi beam signal status	—	<ul style="list-style-type: none"> • OFF • ON
Wiper SW (Front)	Front wiper switch operation status	—	<ul style="list-style-type: none"> • OFF • ON

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
VDC OFF SW	VDC OFF signal	—	<ul style="list-style-type: none"> • OFF • ON
VDC "OFF" Indicator Status	VDC OFF indicator status	—	<ul style="list-style-type: none"> • OFF • ON
Camera Failure Real-Time Check (At The Time of Failure)	Camera failure real-time information at the time of failure	—	—
Camera Temperature (At The Time of Failure)	Camera temperature sensor at the time of failure	°C	—
Image ON/OFF Status/Sensor Ready Status (At The Time of Failure)	Image ON/OFF status at the time of failure	—	<ul style="list-style-type: none"> • OFF • ON
Adaptive Cruise Control Failure (EyeSight → Combination Meter)	Stereo camera failure signal for meter	—	<ul style="list-style-type: none"> • Normal • Abnormal
VDC Sensor Failure	VDC sensor failure signal	—	<ul style="list-style-type: none"> • Normal • Abnormal
ABS system failure	ABS system failure signal	—	<ul style="list-style-type: none"> • Normal • Abnormal
Vehicle Speed Sensor Failure	Vehicle speed sensor failure signal	—	<ul style="list-style-type: none"> • Normal • Abnormal
Adaptive Cruise Control Failure (EyeSight → VDC)	Failure signal of stereo camera to VDC control module	—	<ul style="list-style-type: none"> • Normal • Abnormal
EyeSight Reception (VDC)	Failure signal of stereo camera	—	<ul style="list-style-type: none"> • Not yet received • Receive
Hill Start Assist Operation Status	Hill start assist operation status signal	—	<ul style="list-style-type: none"> • Not Operating • Operate
EyeSight Failure	EyeSight failure signal	—	<ul style="list-style-type: none"> • Normal • Abnormal
Engine Failure	Engine failure signal	—	<ul style="list-style-type: none"> • Normal • Abnormal
Transmission Failure	TCM failure signal	—	<ul style="list-style-type: none"> • Normal • Abnormal
Adaptive Cruise Control Failure (EyeSight → EPS)	Stereo camera failure signal for EPS control module	—	<ul style="list-style-type: none"> • Normal • Abnormal
ETC Failure	Electronic throttle control failure signal	—	<ul style="list-style-type: none"> • Normal • Abnormal
EEPROM Failure	Failure signal of combination meter	—	<ul style="list-style-type: none"> • Normal • Abnormal
Brake Lamp SW Fail Status	Brake light switch failure signal	—	<ul style="list-style-type: none"> • Normal • Abnormal
EyeSight Communication Error (VDC)	Stereo camera communication failure signal	—	<ul style="list-style-type: none"> • Normal • Abnormal
Judgment of Lost Communication with Adaptive Cruise Control ECM CAN	No-receive signal of EyeSight CAN data	—	<ul style="list-style-type: none"> • Normal • Data no-receive
EyeSight Received Data (ECM)	NG signal of stereo camera data	—	<ul style="list-style-type: none"> • Normal • Abnormal
EyeSight Customization Change Request (Combination Meter → EyeSight)	EyeSight customization change request signal	—	<ul style="list-style-type: none"> • OFF • ON
EyeSight Customization Reset Request (Combination Meter → EyeSight)	EyeSight customization reset request signal	—	<ul style="list-style-type: none"> • OFF • ON

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
Target gear position	Target gear position signal	—	<ul style="list-style-type: none"> • P • R • Automatic neutral • 6 • 5 • 4 • 3 • 2 • 1 • N
Transmission Shift Control Mode	TCM shift control mode signal	—	<ul style="list-style-type: none"> • Position Fixed Mode • Gear Fixed Mode • Position Fixed Temporary • Gear Fixed Temporary • M Position • D Range • "—" display
Shift Position	Shift position information	—	<ul style="list-style-type: none"> • Error • P • R • N • D • D-S • 3 • 2 • 1
CVT 8-speed Mode Control	CVT multi-stage speed control signal when EyeSight operates	—	<ul style="list-style-type: none"> • Not Operating • Operate
Lock Up Status	Lock up information	—	<ul style="list-style-type: none"> • Converter • Slip Lock Up • Lock Up
Adaptive Cruise Control Specification	Adaptive cruise control judgment signal	—	<ul style="list-style-type: none"> • No • Yes
EyeSight Specification	EyeSight judgment signal Support: Model with adaptive cruise control Not Support: Other than the model with adaptive cruise control (such as models with constant speed cruise control)	—	<ul style="list-style-type: none"> • No • Yes
Brake System Specification	Brake system judgment signal	—	<ul style="list-style-type: none"> • VDC • Active Booster
Vehicle Height	Vehicle height information	—	<ul style="list-style-type: none"> • Unknown • OBK • Standard
Fuel Type	Fuel type	—	<ul style="list-style-type: none"> • Gasoline • Diesel
Engine Displacement	Engine displacement	—	<ul style="list-style-type: none"> • 1500 cc • 2000 cc • 2500 cc • 3000 cc • 3600 cc • 1600 cc
Camshaft Type	Engine type	—	<ul style="list-style-type: none"> • SOHC • DOHC
Number of Cylinders	Number of cylinder for engine	—	<ul style="list-style-type: none"> • 4 Cylinder • 6 Cylinder
Turbo	Presence or absence of turbo	—	<ul style="list-style-type: none"> • Turbo • NA

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
Vehicle Type	Vehicle type information signal	—	<ul style="list-style-type: none"> • Impreza Type • Forester Type • Exiga Type • Legacy/Outback Type • WRX Type
Destination Code	Destination code signal	—	<ul style="list-style-type: none"> • Japan • U.S(U4,U5,U6) • Canada(C0) • EURO(Left) (EC,EA,E2,EL) • General(Left)(K4) & Latin America(C4) • Middle & Near East(KS) • U.K(EK) • Thailand/Singapore(ER,EN) • Australia(KA,KC) • China(EH) • South Korea(C6)
Tire Diameter	Tire diameter judgment signal	—	<ul style="list-style-type: none"> • Standard • Special
WGN/SDN	Vehicle type signal	—	<ul style="list-style-type: none"> • SEDAN • WAGON
Drive System	Driving method of AWD	—	<ul style="list-style-type: none"> • AWD • VTD • 2WD
AT Type	AT type	—	<ul style="list-style-type: none"> • CVT(TR58) • 4AT • 5AT • 6AT • CVT(TR690)
Idling Stop Specification	Auto Start Stop judgment signal	—	<ul style="list-style-type: none"> • No • Yes
Camera Battery Voltage (At The Time of EyeSight Temporary)	ECM power supply voltage (at an EyeSight temporary stop)	V	—
Camera Temperature Sensor (At The Time of EyeSight Temporary)	Camera temperature (at an EyeSight temporary stop)	°C	—
Automatic Adjustment Status Check (At The Time of EyeSight Temporary)	Automatic adjustment status (at an EyeSight temporary stop)	—	—
Camera Adjustment Value 1 (At The Time of EyeSight Temporary)	Camera adjustment value detailed information 1 (at an EyeSight temporary stop)	—	—
Camera Adjustment Value 2 (At The Time of EyeSight Temporary)	Camera adjustment value detailed information 2 (at an EyeSight temporary stop)	—	—
Camera Adjustment Value 3 (At The Time of EyeSight Temporary)	Camera adjustment value detailed information 3 (at an EyeSight temporary stop)	—	—
EyeSight Temporary Detail Check 1	EyeSight temporary stop, detailed information 1	—	—
EyeSight Temporary Detail Check 2	EyeSight temporary stop, detailed information 2	—	—
EyeSight Temporary Detail Check 3	EyeSight temporary stop, detailed information 3	—	—
EyeSight Temporary Detail Check 4	EyeSight temporary stop, detailed information 4	—	—

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
Details Check 1 (At The Time of EyeSight Temporary)	Detailed information 1 at the time of EyeSight temporary stop	—	—
Details Check 2 (At The Time of EyeSight Temporary)	Detailed information 2 at the time of EyeSight temporary stop	—	—
Details Check 3 (At The Time of EyeSight Temporary)	Detailed information 3 at the time of EyeSight temporary stop	—	—
Details Check 4 (At The Time of EyeSight Temporary)	Detailed information 4 at the time of EyeSight temporary stop	—	—
Camera Temperature Operation Status (At The Time of EyeSight Temporary)	Stereo camera operation status at the time of EyeSight temporary stop	—	<ul style="list-style-type: none"> • Normal • High Temperature • Low Temperature
Camera Failure Real-Time Check	Current camera failure information	—	—
Camera Failure Details Cumulative Check 1	Camera failure details, cumulative information 1	—	—
Camera Failure Details Cumulative Check 2	Camera failure details, cumulative information 2	—	—
Camera Failure Details Cumulative Check 3	Camera failure details, cumulative information 3	—	—
Camera Failure Details Cumulative Check 4	Camera failure details, cumulative information 4	—	—
Camera Failure Details Cumulative Check 5	Camera failure details, cumulative information 5	—	—
Camera Failure Details Cumulative Check 6	Camera failure details, cumulative information 6	—	—
Camera Failure Details Cumulative Check 7	Camera failure details, cumulative information 7	—	—
Camera Failure Details Cumulative Check 8	Camera failure details, cumulative information 8	—	—
Camera Failure Details Cumulative Check 9	Camera failure details, cumulative information 9	—	—
Camera Failure Details Cumulative Check 10	Camera failure details, cumulative information 10	—	—
Camera Failure Details Cumulative Check 11	Camera failure details, cumulative information 11	—	—
Camera Failure Details Cumulative Check 12	Camera failure details, cumulative information 12	—	—
Camera Failure Details Cumulative Check 13	Camera failure details, cumulative information 13	—	—
Camera Failure Details Cumulative Check 14	Camera failure details, cumulative information 14	—	—
Camera Temperature Abnormality Ignition SW ON Count Check 1	Camera temperature abnormal IG ON count 1	times	—
Camera Temperature Abnormality Ignition SW ON Count Check 2	Camera temperature abnormal IG ON count 2	times	—
Camera Temperature Abnormality Ignition SW ON Count Check 3	Camera temperature abnormal IG ON count 3	times	—
Camera Temperature Abnormality Ignition SW ON Count Check 4	Camera temperature abnormal IG ON count 4	times	—
Camera Temperature Abnormality Ignition SW ON Count Check 5	Camera temperature abnormal IG ON count 5	times	—
Camera Adjustment Value 1	Camera adjustment value detailed information 1	—	—
Camera Adjustment Value 2	Camera adjustment value detailed information 2	—	—
Camera Adjustment Value 3	Camera adjustment value detailed information 3	—	—

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
Camera Status Check 1	Camera status detailed information 1	—	—
Camera Status Check 2	Camera status detailed information 2	—	—
Camera Status Check 3	Camera status detailed information 3	—	—
Camera Status Check 4	Camera status detailed information 4	—	—
Camera Status Check 5	Camera status detailed information 5	—	—
Camera Status Check 6	Camera status detailed information 6	—	—
Camera Status Check 7	Camera status detailed information 7	—	—
Camera Status Check 8	Camera status detailed information 8	—	—
Camera Status Check 9	Camera status detailed information 9	—	—
Camera Status Check 10	Camera status detailed information 10	—	—
Camera Status Check 11	Camera status detailed information 11	—	—
Camera Status Check 12	Camera status detailed information 12	—	—
Camera Status Check 13	Camera status detailed information 13	—	—
Camera Status Check 14	Camera status detailed information 14	—	—
Camera Status Check 15	Camera status detailed information 15	—	—
Camera Status Check 16	Camera status detailed information 16	—	—
Camera Status Check 17	Camera status detailed information 17	—	—
Camera Status Check 18	Camera status detailed information 18	—	—
Camera Status Check 19	Camera status detailed information 19	—	—
Camera Status Check 20	Camera status detailed information 20	—	—
Camera Status Check 21	Camera status detailed information 21	—	—
Camera Status Check 22	Camera status detailed information 22	—	—
Camera Status Check 23	Camera status detailed information 23	—	—
Camera Status Check 24	Camera status detailed information 24	—	—
Camera Status Check 25	Camera status detailed information 25	—	—
Front Axle Average Wheel Speed (At The Time of EyeSight Temporary)	Front axle wheel average speed at the time of EyeSight temporary stop	km/h	—
Ignition SW ON Count (At The Time of EyeSight Temporary)	IG ON count at the time of EyeSight temporary stop	times	—
Lead Vehicle Detected	Preceding vehicle follow signal	—	<ul style="list-style-type: none"> • Not operating • Operating
Target Torque command	Target torque command signal	—	<ul style="list-style-type: none"> • Vehicle speed • Torque
Right Front Wheel W/C Actual Fluid Pressure	Right front wheel cylinder actual fluid pressure	Mpa	—
Left Front Wheel W/C Actual Fluid Pressure	Left front wheel cylinder actual fluid pressure	Mpa	—

2. ENGINE CONTROL MODULE (ECM)

For current data of engine control module, refer to ENGINE (DIAGNOSTICS). <Ref. to EN(H4DO w/o HEV)(diag)-37, Subaru Select Monitor.>

3. VDC CONTROL MODULE (VDCCM)

For current data of VDC control module, refer to VDC (DIAGNOSTICS). <Ref. to VDC(diag)-15, READ CURRENT DATA, OPERATION, Subaru Select Monitor.>

4. TRANSMISSION CONTROL MODULE (TCM)

For current data of transmission control module, refer to CVT (DIAGNOSTICS). <Ref. to CVT(w/o HEV)(diag)-14, READ CURRENT DATA, OPERATION, Subaru Select Monitor.>

5. BODY INTEGRATED UNIT

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

6. COMBINATION METER

For current data of the combination meter, refer to COMBINATION METER (DIAGNOSTICS). <Ref. to IDI(diag)-17, LIST, Read Current Data.>