

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	—	—

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
Initial aiming completion flag	Factory settings information	—	Aiming completed (After factory shipping, when stereo camera is replaced or adjusted, "Aiming not completed" is displayed.)
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
Distance from leading vehicle	Display of distance from preceding vehicle	m	—

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
Lane recognition status	Display of lane recognition status	—	Displayed when 20 m or more of the vehicle lane is recognized. <ul style="list-style-type: none"> • Right lane recognition: "01" • Left lane recognition: "10" • Lane not recognized: "00"
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)-37, 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	—	Temperature and operation status of camera are displayed. <ul style="list-style-type: none"> • Normal • High temperature • Low temperature
Ignition start number	Total IGN start number	Time	—

Read Current Data

EyeSight (DIAGNOSTICS)

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)	—	—	—
Camera temporary stop details 1	The latest information of the camera temporary stop (Camera temporary stop: 0 count — 23 counts) <Ref. to ES(diag)-37, 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	—	—

Read Current Data

EyeSight (DIAGNOSTICS)

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)-84, 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			

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
ACC forced cancellation code 1(latest)	<p>ACC forced cancellation occurrence information since the last memory clear</p> <p>For example of codes, refer to “LIST OF ACC FORCED CANCELLATION CODE”. <Ref. to ES(diag)-89, LIST OF ACC FORCED CANCELLATION CODE, LIST, List of Cancel Code.></p> <p>“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.</p>	—	—
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	—
Message counter (BIU)	Message counter signal for body integrated unit	—	—
Parking Brake Switch Input	Parking brake switch signal status	—	<p>Operation status of parking brake is displayed.</p> <ul style="list-style-type: none"> • ON • OFF
Brake lamp SW signal	Brake light switch signal status	—	<p>Operation status of the brake pedal is displayed.</p> <ul style="list-style-type: none"> • ON • OFF
Head lamp : small	Head lamp: small signal status	—	<p>Light status is displayed.</p> <ul style="list-style-type: none"> • ON • OFF
Head lamp : Low Beam	Head lamp: Low Beam signal status	—	<p>Light status is displayed.</p> <ul style="list-style-type: none"> • ON • OFF

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
Head lamp : High Beam	Head lamp: High Beam signal status	—	Light status is displayed. • ON • OFF
Front wiper ON-OFF status	Front wiper signal status	—	Wiper status is displayed. • Wiper stop position • Other than wiper stop position
WGN/SDN flag	Vehicle type signal	—	• Sedan • Wagon
Door SW : D seat	Door switch signal status	—	Door status is displayed. • Close • Open
Door SW : P seat	Door switch signal status	—	Door status is displayed. • Close • Open
Door SW : rear right	Door switch signal status	—	Door status is displayed. • Close • Open
Door SW : rear left	Door switch signal status	—	Door status is displayed. • Close • Open
Accel opening angle	Acceleration opening angle signal	%	—
Message counter(ECM)	ECM message counter signal	—	—
Engine malfunction information	Engine malfunction signal	—	• Normal • Abnormal
ETC malfunction information	Electronic throttle control malfunction signal	—	• Normal • Abnormal
Engine Speed	Engine speed signal	rpm	—
CAN diagnosis, message transmission stop demand	Transmission stop signal for CAN diagnosis and CAN data	—	• Normal • Stop
Torque reverse pull accelerator degree for Cruise control	Torque reverse pull accelerator degree for Cruise control	%	—
ETC Throttle angle signal	Electronic throttle control opening angle signal	%	—
Idle Switch	Idle switch signal	—	• ON • OFF
Driver's request torque	Torque signal requested by driver	N·m	—
Actual engine torque	Actual engine torque signal	N·m	—
Fuel cut flag	Fuel cut signal	—	• Normal • Cut
X mode display information	X mode signal	—	• ON • OFF
Cruise main switch status	Status of the cruise control main switch (cruise switch)	—	Switch status is displayed. • Other than ON • ON
Cruise command switch status	Status of the cruise control command switch	—	Switch status is displayed. • Cruise switch OFF • CANCEL switch ON • RES/+ switch ON • SET/- switch ON • Vehicle distance SW ON Other statuses are not displayed.

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
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
Accelerator permission state	Acceleration permission signal	—	• ON • OFF
Resume hold permission state	Resume hold permission signal	—	• ON • OFF
Coast status	Coast status signal of engine	—	• Other than coast • Coast
Resume slowdown side hold permission state	Resume slowdown side hold permission signal	—	• ON • OFF
Fuel type	Fuel type	—	Information of engine equipped is displayed.
Engine displacement	Engine displacement	—	Information of engine equipped is displayed.
Camshaft type	Engine type	—	Information of engine equipped is displayed.
Number of cylinder	Number of cylinder for engine	—	Information of engine equipped is displayed.
Turbo	Presence or absence of turbo	—	Information of engine equipped is displayed.
Cruise main status	Status of the cruise control main switch	—	Switch status is displayed. • ON • OFF
Cruise control SET status	Status of the cruise control set	—	Switch status is displayed. • Not set • Set
Accelerator wide opening judgment status	Signal that judges the accelerator opening angle to be “wide”.	—	• Not established • Established
Brake status	Brake switch signal status	—	Brake switch status is displayed. • BRAKE OFF • BRAKE ON
Adaptive cruise control data NG flag	NG signal of stereo camera data	—	• OK • NG
Adaptive cruise control torque down prohibition flag	Torque down prohibition signal of stereo camera	—	• ON • OFF
Fuel cut control permission state	Fuel cut control permission signal	—	• ON • OFF
Transmission Information	Transmission equipped signal	—	Transmission equipped is displayed. • AT or CVT • MT
SI Drive mode (Display)	SI Drive mode (Display)	—	• S# • I • S
CRUISE Indicator ON request	CRUISE indicator ON request signal	—	Indicator illumination status is displayed. • OFF • ON

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
SET Indicator ON request	Request signal for SET indicator illumination	—	Indicator illumination status is displayed. • OFF • ON
Cruise Control Set Speed	Set vehicle speed value for cruise control	km/h	SET value is displayed.
demand torque after filter	Demand torque after filter	Nm	—
EEPROM failure	Failure signal of combination meter	—	• Normal • Abnormal
Message counter(Meter)	Message counter signal of combination meter	—	—
External air temperature indication value	Ambient air temperature signal	°C	—
Driver's seat belt status	Status of driver's seat belt	—	Seat belt status is displayed. • Seat belt released • Seat belt fastened
Turn signal, Left output	Output signal for left turn signal	—	Operation status is displayed. • OFF • Turn signal, Left output
Turn signal, Right output	Output signal for right turn signal	—	Operation status is displayed. • OFF • Turn signal, Right output
Vehicle type information	Vehicle type information signal	—	Vehicle type is displayed. • Impreza series • Forester series • Exiga series
Destination Code	Destination code signal	—	Destination is displayed.
Adaptive cruise control specification flag	Adaptive cruise distinction signal	—	• ACC specification • Otherwise
Eye Sight specification flag	EyeSight distinction signal	—	• Eye Sight specification • Otherwise
Adaptive CC ECM, CAN information no-receive flag	No-receive signal of stereo camera CAN data	—	• Normal • Data no-receive
Auto Start Stop Flag	Auto Start Stop distinction signal	—	Vehicle information is displayed. • Without Auto Start Stop • With Auto Start Stop
Tire diameter information	Tire diameter distinction signal	—	• Standard • Special
Fluid pressure target	Target value of brake fluid pressure	MPa	—
Preview VDC command flag	Preview VDC command signal	—	• Normal VDC • Preview VDC status
Pre-crash BA command flag	Pre-crash brake assist command signal	—	• Not commanded • Commanding
Pre-crash action flag	Pre-crash command signal	—	• Not commanded • Commanding
Brake Lamp light up command flag	Brake lamp light up command signal	—	• Brake Lamp light off • Brake Lamp light up
Adaptive CC ECM malfunction flag for VDC	Failure signal of stereo camera to VDC control module	—	• Normal (ACC/pre-crash control OK) • Malfunction (ACC/Pre-crash control NG)
Brake control actuation permission flag	Brake operation permission signal	—	• Brake control non-actuate • Brake control actuate
Pre-crash BA threshold	Pre-crash brake assist threshold	—	• Normal • Pre-crash BA threshold 1 • Pre-crash BA threshold 2 • Without Request

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
Preview VDC properties flag	Preview VDC properties signal	—	<ul style="list-style-type: none"> Invalidity (no characteristic change) Parameter 1 Parameter 2
Message counter (Adaptive CC ECM)1	Message counter signal of stereo camera	—	—
Target torque	Target torque command signal	N·m	—
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
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	—	Vehicle brake system is displayed. <ul style="list-style-type: none"> VDC control Booster control
Brakes control flag (during ACC brakes)	Actuation signal of brake control	—	<ul style="list-style-type: none"> Not performed ACC brake
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)
Target torque command flag	Target torque command signal	—	<ul style="list-style-type: none"> Target vehicle speed command Target torque command
AT rapid start prevention, engine torque down command value	AT rapid start prevention control, engine torque down command value	N·m	—
Pre-crash ON flag	Pre-crash ON signal	—	<ul style="list-style-type: none"> ON OFF
Adaptive Cruise control ECU abnormality flag for CVT,EGI	Failure signal of stereo camera for AT CM and ECM	—	<ul style="list-style-type: none"> Normal Abnormal
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	—	—
ACC braking (driver or control) flag (for CVT)	ACC braking (driver or control) signal (for CVT)	—	<ul style="list-style-type: none"> OFF ACC braking
Message counter (Adaptive CC ECM)2	Message counter signal of stereo camera	—	—
Customized flag 2	Setting status of detection beep for preceding vehicle	—	<ul style="list-style-type: none"> OFF ON
Customize flag 3	Setting status of forward vehicle start monitoring function	—	<ul style="list-style-type: none"> OFF ON
P-CR OFF indicator on flag	Pre-collision brake OFF indicator light illumination command signal	—	Operation status of indicator is displayed. <ul style="list-style-type: none"> Light off command (Pre-crash ON) Light on command (Pre-crash OFF)

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
LANE OFF indicator on flag	Lane departure warning OFF indicator light illumination command signal	—	Operation status of indicator is displayed. <ul style="list-style-type: none"> • Light off command (Lane deviation, stagger ON) • Light on command (Lane deviation, stagger OFF)
Buzzer volume	Buzzer volume setting status	—	Volume setting is displayed. <ul style="list-style-type: none"> • Small • Middle • Loud • No setting
HALT code	HALT code signal	—	<ul style="list-style-type: none"> • No HALT • HALT(E1 camera view defectiveness) • HALT(E2 camera temperature range outside) • HALT(E3 and others)
ACC cancellation reason indication or customization	ACC cancellation reason indication or customization signal	—	<p><When customize request flag is OFF (ACC cancellation reason indication)></p> <ul style="list-style-type: none"> • Manual mode, other than D position • Door open (D side, front P side, rear left, rear right) • D seat seat-belt loser • Parking brake operation • VDC SW OFF • X mode • Low vehicle speed • Steering operation • High vehicle speed • ABS operation • VDC operation • Steeply sloping road • Other <p><When customize request flag is ON></p> <ul style="list-style-type: none"> • Departure monitor setting • Preceding vehicle capture / lost sound • Buzzer volume setting
Cruise indicator flag for meter display	CRUISE indicator ON 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
MFD display specification sortation flag	MFD display specification sortation signal	—	<ul style="list-style-type: none"> • Basic screen, an interrupt screen (other than the United States) • Basic screen, No interrupt screen (United States)
Stop holding flag	Stop judgment status	—	<ul style="list-style-type: none"> • OFF • Stop holding

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
READY flag	READY indicator illumination signal	—	Operation status of indicator is displayed. • CC not READY • CC READY
Vehicle distance setting	Vehicle distance setting indicator signal	—	Settings are displayed. • Distance setting: Short • Distance setting: Medium • Distance setting: Long • CC constant speed mode
Customize request flag	Customize request signal	—	• Customize non request • Customize requesting
Vehicle speed set for meter display	Setting value for cruise set speed	km/h	—
Warning code	Warning code signal	—	• 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 Cruise control ECU abnormality flag for meters	Failure signal of stereo camera for meter	—	• Normal • Abnormal
Message counter (Adaptive Cruise control ECU)3	Message counter signal of stereo camera	—	—
Brake-lamp lighting indication flag	Brake-lamp lighting indication signal	—	Illumination status of the brake light is displayed. • OFF • ON
Lane (solid line) blinking	Lane (solid line) blinking signal	—	Operation status of indicator is displayed. • OFF • Both lanes (solid line) blinking • Both lanes (solid line) alternation blinking
Steering wheel indication	Lane deviation warning light (handle mark) illumination signal	—	Operation status of indicator is displayed. • OFF • ON • Blinking 1 • Blinking 2
Preceding vehicle indication	Preceding vehicle indicator signal	—	Operation status of indicator is displayed. • OFF • ON • Blink
Distance from leading vehicle	Preceding vehicle distance signal	—	Preceding vehicle distance is displayed.
Message counter(TCM)	Message counter signal of TCM	—	—

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
TCM shift control mode	TCM shift control mode signal	—	AT shift mode is displayed. <ul style="list-style-type: none"> • Range fixation mode • Gear fixation mode (manual) • Range fixation automatic return mode (temporary range fixation) • Gear fixation automatic return mode (temporary manual) • M range automatic shift mode (Sport mode) • D range automatic shift mode • Other than above
Hill down mode flag	Hill down mode signal	—	Hill down mode is displayed. <ul style="list-style-type: none"> • Hill down cancelling • Hill down
AT turbine speed	AT turbine speed signal	rpm	—
Target gear position	Target gear position signal	—	Target gear position is displayed. <ul style="list-style-type: none"> • N • 1 • 2 • 3 • 4 • 5 • 6 • Automatic neutral • R • P No items other than above are displayed.
Current gear position	Current gear position signal	—	Current gear position is displayed. <ul style="list-style-type: none"> • N • 1 • 2 • 3 • 4 • 5 • 6 • 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
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
Auto Start Stop : Brake Flag	Auto Start Stop brake cooperation signal	—	<ul style="list-style-type: none"> • Open • Conclusion
Total reduction ratio (current)	Current total reduction ratio signal	—	—
Lock up status	Lock up status	—	Current status is displayed. <ul style="list-style-type: none"> • Open • Slip • Lock-up
AWD type	Driving method of AWD	—	Vehicle information is displayed.
AT Type	AT type	—	Transmission equipped information is displayed.

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
Steering angle sensor value (Right: +, Left: -)	Steering angle sensor value signal	deg	<ul style="list-style-type: none"> • Right turn: + • Left turn: -
Yaw Rate value (Right: -, Left: +)	Yaw rate value signal	deg/s	<ul style="list-style-type: none"> • Right turn: - • Left turn: +
Lateral acceleration (Right: -, Left: +)	Lateral acceleration signal	m/s ²	<ul style="list-style-type: none"> • Right turn: - • Left turn: +
Longitudinal G sensor value	Longitudinal acceleration	m/s ²	Deceleration: + Acceleration: -
Wheel speed average speed	Wheel speed average speed signal	km/h	—
M/C actual fluid pressure	Brake fluid pressure in master cylinder	MPa	—
Brake lamp state flag	Brake lamp state signal	—	<ul style="list-style-type: none"> • Lights off state • Lights on state
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	—
Vehicle height information	Vehicle height information	—	Vehicle information is displayed. <ul style="list-style-type: none"> • Standard • OBK
VDC-OFF Indicator status	VDC-OFF indicator status	—	Operation status of indicator is displayed. <ul style="list-style-type: none"> • Lamp off • Lamp on
ABS operation flag	Operating status signal of ABS	—	Operation status is displayed. <ul style="list-style-type: none"> • Not operating • Operating
TCS operation flag	Operating status signal of TCS	—	Operation status is displayed. <ul style="list-style-type: none"> • Not operating • Operating
VDC oversteer control flag	Operating status signal of VDC	—	Control status is displayed. <ul style="list-style-type: none"> • Not during control • During control
VDC understeer control flag	Operating status signal of VDC	—	Control status is displayed. <ul style="list-style-type: none"> • Not during control • During control
Preview VDC standby flag	Preview VDC standby status	—	<ul style="list-style-type: none"> • Normal VDC • Preview VDC status
BLS Signal status	Brake light illumination status	—	Illumination status is displayed. <ul style="list-style-type: none"> • OFF • BRAKE ON
BLS failure signal	Brake light switch failure signal	—	<ul style="list-style-type: none"> • Trouble • Normal
VDC-OFF Flag	VDC OFF signal	—	Switch status is displayed. <ul style="list-style-type: none"> • System OFF • System ON
VDC sensor abnormal flag	VDC sensor failure signal	—	<ul style="list-style-type: none"> • Sensor abnormal • Sensor normal
Vehicle speed sensor abnormal flag	Vehicle speed sensor failure signal	—	<ul style="list-style-type: none"> • Sensor abnormal • Sensor normal
VDC system abnormal flag	VDC system failure signal	—	<ul style="list-style-type: none"> • Abnormal • Normal

Read Current Data

EyeSight (DIAGNOSTICS)

Display	Content	Unit of measure	Reference
CAN diagnosis, transmissions stop	Transmission stop judgment for CAN diagnosis and CAN data	—	<ul style="list-style-type: none"> • ON • Diagnosis, send message stop request
TSM operation flag	TSM operation signal	—	<ul style="list-style-type: none"> • Not during control • During control
RMI operation flag	RMI operation signal	—	<ul style="list-style-type: none"> • Not during control • During control
Adaptive CC ECM malfunction reception status	Failure 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	Deceleration request reception status signal from stereo camera	—	<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-collision brake request reception status signal	—	<ul style="list-style-type: none"> • Without Request • Request
Brake control permission flag	Brake control permission signal	—	<ul style="list-style-type: none"> • No permission • ON
Driver brake detection flag	Driver brake detection signal	—	<ul style="list-style-type: none"> • OFF • ON
Message counter (VDC)	Message counter signal of VDC	—	—
Front left wheel speed	Front left wheel speed signal	km/h	—
Front right wheel speed	Front right wheel speed signal	km/h	—
Message counter (Auto Start Stop)	Message counter of Auto Start Stop CM	—	—
Restart cranking demand	Restart cranking demand 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	Main power supply voltage drop state	—	<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
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)-84, 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)-89, LIST OF ACC FORCED CANCELLATION CODE, LIST, List of Cancel Code.>

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)-84, 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). <Ref. to EN(H4DO)(diag)-41, DISPLAY OF ENGINE FREEZE FRAME DATA, OPERATION, Subaru Select Monitor.>

4. VDC CONTROL MODULE (VDCCM)

For current data of VDC control module, refer to VDC (DIAGNOSTICS). <Ref. to VDC(diag)-16, READ CURRENT DATA, OPERATION, Subaru Select Monitor.>

5. TRANSMISSION CONTROL MODULE (TCM)

For current data of transmission control module, refer to CVT (DIAGNOSTICS). <Ref. to CVT(diag)-19, READ CURRENT DATA, OPERATION, Subaru Select Monitor.>

6. BODY INTEGRATED UNIT

For current data of body integrated unit, refer to BODY CONTROL (DIAGNOSTICS). <Ref. to BC(diag)-11, LIST, Read Current Data.>