

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 | Remarks | Unit of measure | Note |
|---|--|-----------------|--|
| 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 | — | |

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| Display | Remarks | Unit of mea- sure | Note |
|---|--|----------------------|--|
| 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 | |

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|--|---|-----------------|--|
| 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" |
| 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 | — | Normal |
| Ignition start number | Total IGN start number | Time | |

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| Display | Remarks | Unit of mea- sure | Note |
|--|--|----------------------|--|
| 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)-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 | — | |

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| Display | Remarks | Unit of mea- sure | Note |
|---|---|----------------------|------|
| Camera temporary stop 0 count | Cumulative number of stereo camera temporary stop occurrence since the last memory clear For occurrence condition of each count, refer to "LIST OF CONTENTS FOR CAMERA TEMPORARY STOP: 0 — 23 COUNTS". <Ref. to ES(diag)-81, LIST OF CONTENTS FOR CAMERA TEMPORARY STOP: 0 — 23 COUNTS, LIST, List of Cancel Code.> 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. | 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 | | | |
| 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)-86, 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 | |

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| Display | Remarks | Unit of mea- sure | Note |
|---|---|----------------------|--|
| 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 |
| 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. |
| Accel. 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 |

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| Display | Remarks | Unit of mea- sure | Note |
|--|--|----------------------|---|
| Target vehicle distance setting status | Setting status of target vehicle distance | — | Settings are displayed. <ul style="list-style-type: none"> Distance setting: Long Distance setting: Medium Distance setting: Short Constant speed |
| Driver's request torque | Torque signal requested by driver | N·m | |
| Actual engine torque | Actual engine torque signal | N·m | |
| 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. <ul style="list-style-type: none"> 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. <ul style="list-style-type: none"> Other than ON ON |
| 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 NA |

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|--|--|----------------------|---|
| 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. • 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. • 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 |
| 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 |

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| Display | Remarks | Unit of mea- sure | Note |
|---|--|----------------------|--|
| 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 | — | • OFF • ON |
| EPB operating permission flag2 | Operating permission signal of parking brake | — | • Prohibit (cancel operation) • Permit (no cancel operation) |
| EPB operating permission flag3 | Operating permission signal of parking brake | — | • 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. • OFF • Turn signal, Right output |
| Turn signal, Left output | Output signal for left turn signal | — | Operation status is displayed. • OFF • Turn signal, Left output |
| Destination Code | Destination signal | — | Destination code is displayed. |
| Adaptive cruise control specifica- tion flag | Adaptive cruise distinction signal | — | • Non-ACC spec. • ACC specification |
| Eye Sight specification flag | EyeSight distinction signal | — | • Non-Eye Sight spec. • Eye Sight specification |
| Adaptive CC ECM, CAN informa- tion no-receive flag | No-receive signal of stereo camera CAN data | — | • Normal • Data no-receive |
| Large diameter tire distinction flag | Tire diameter distinction signal | — | • Normal tire • Large diameter tire |
| Meter malfunction information | Failure signal of combination meter | — | • Normal • Abnormal |
| Vehicle model identification "idling stop" | Auto Start Stop ON/OFF signal | — | • No Auto Start Stop • 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 | — | • Not commanded • Commanding |
| Pre-crash action flag | Pre-crash command signal | — | • Not commanded • Commanding |
| EPB operating request flag | Parking brake request signal | — | • Non request • Request |
| Adaptive CC ECM malfunction flag for VDC | SI cruise failure signal to VDC control module | — | • Normal (ACC/pre-crash con- trol OK) • Malfunction (ACC/Pre-crash control NG) |
| Brake control actuation permis- sion flag | Brake operation permission signal | — | • Brake control non-actuate • Brake control actuate |

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| Display | Remarks | Unit of measure | Note |
|--|---|-----------------|---|
| 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 | 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 |
| 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 | N·m | |
| 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) |

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|--|--|-----------------|---|
| LANE OFF indicator on flag | Lane departure warning OFF indicator light illumination command signal | — | Operation status of indicator is displayed. • Light off command (Lane deviation, stagger OFF) • Light on command (Lane deviation, stagger ON) |
| HALT code | HALT code signal for meter | — | • 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. • OFF • ON |
| Cruise control SET ON flag | SET indicator illumination signal | — | Operation status of indicator is displayed. • CC not set • CC SET |
| Stop holding flag | Vehicle stopping signal | — | Normal |
| READY flag | READY indicator illumination signal | — | Operation status of indicator is displayed. • CC not READY • CC READY |
| Vehicle distance setting | Vehicle distance setting signal | — | Settings are displayed. • 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 | — | No display |
| 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 | — | • OFF • ON • Blink |
| Preceding vehicle indication | Preceding vehicle indicator signal | — | • OFF • ON • Blink |
| Surface resistance estimation value | Surface resistance estimation value | — | |
| Road surface incline estimation value | Road surface incline estimation value | % | |

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| Display | Remarks | Unit of mea- sure | Note |
|---------------------------------|--------------------------------------|----------------------|---|
| AT Type | AT type | — | AT types equipped are displayed. • CVT • 5AT |
| AWD type | Driving method of AWD | — | System equipped is displayed. • ACT4 • VTD |
| Total reduction ratio (current) | Current total reduction ratio signal | — | |
| Current gear position | Current gear position signal | — | Current gear position is displayed. • N • 1 • 2 • 3 • 4 • 5 • Automatic neutral • R • P No items other than above are displayed. |
| TCM malfunction information | Failure signal of TCM | — | • Abnormal • Normal |
| Target gear position | Target gear position signal | — | Target gear position is displayed. • 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 | — | |
| Shift mode | AT shift mode signal | — | Current AT shift mode is displayed. • 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. |

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| Display | Remarks | Unit of measure | Note |
|---|--|------------------|---|
| Hill down mode flag | Hill down mode signal | — | Current status is displayed. • Hill down cancelling • Hill down |
| Sports shift gear position indication information | Sports shift gear position indication signal | — | • OFF • "1" • "2" • "3" • "4" • "5" • "E" • " " • "6" • "7" • "8" |
| Lock up status | AT lock up status | — | Current status is displayed. • Open • Slip • Lock-up |
| CAN diagnosis, message transmission stop demand | Transmission stop judgment for CAN diagnosis and CAN data by TCM | — | • Normal • Stop |
| Steering angle sensor value | Steering angle sensor value signal | rad | 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 | — | • Malfunction reception • Malfunction no-receive |
| Adaptive CC ECM communication error | Communication failure signal of stereo camera | — | • Abnormal • Normal |
| Adaptive CC ECM deceleration request reception status | Reception status for deceleration request from stereo camera to VDC control module | — | • Without Request • Request |
| Pre-crash BA request reception status | Pre-crash brake assist request reception status | — | • Without Request • Request |
| Pre-crash request reception status | Pre-crash request reception status | — | • Without Request • Request |
| Brake control permission flag | Brake control permission signal | — | • ON • No permission |
| 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 | G | Deceleration: + Acceleration: – |
| Message counter (VDC) | Message counter signal of VDC | — | |

Read Current Data

EyeSight (DIAGNOSTICS)

| Display | Remarks | Unit of mea- sure | Note |
|--------------------------------------|---|----------------------|--|
| Vehicle height information | Vehicle height information | — | Vehicle information is displayed. • Unknown • OBK • Standard • OBK 2.5iS package |
| VDC-OFF Indicator status | VDC-OFF indicator status | — | Operation status of indicator is displayed. • Lamp off • Lamp 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 |
| 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 | — | • No request • With Request |
| Under Auto Start Stop control | Under Auto Start Stop control signal | — | • Outside Auto Start Stop control • Under Auto Start Stop control |
| Main power supply voltage drop state | Power supply voltage drop signal | — | • Other than power supply voltage drop • Power supply voltage drop |
| Idling stop demand | Idling stop demand signal | — | • No request • With Request |

Read Current Data

EyeSight (DIAGNOSTICS)

| Display | Remarks | Unit of measure | Note |
|--------------------------------------|--|-----------------|--|
| 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)-81, 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)-86, 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)-81, LIST OF CONTENTS FOR CAMERA TEMPORARY STOP: 0 — 23 COUNTS, LIST, List of Cancel Code.>

Read Current Data

EyeSight (DIAGNOSTICS)

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)-16, 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)-16, 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)-15, 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.>