

## 9. Diagnostic Code(s) Display

### A: OPERATION

- 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) On «EyeSight (from 2009MY)» display, select «Diagnostic Code(s) Display».

#### NOTE:

- For detailed operation procedures, refer to “PC application help for Subaru Select Monitor”.
- For details concerning DTC, refer to “List of Diagnostic Trouble Code (DTC)”. <Ref. to ES(diag)-39, LIST, Diagnostic Code(s) Display.>
- Up to ten codes can be stored. When more than ten codes are output, they will not be stored.
- The same code is stored only once, and even when the same code occurs several times, information will not be updated.

### B: LIST

- List of Diagnostic Trouble Code (DTC)

DTC	Item	Contents of diagnosis	Reference
U0073	Control Module Communication Bus Off	Detected when bus off status (the stereo camera detects the failure and is disconnected from CAN line) occurs.	<Ref. to ES(diag)-75, DTC U0073 CONTROL MODULE COMMUNICATION BUS OFF, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
U0100	Lost Communication With ECM/PCM “A”	Detected when CAN data from ECM is not transmitted to stereo camera.	<Ref. to ES(diag)-75, DTC U0100 LOST COMMUNICATION WITH ECM/PCM “A”, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
U0101	Lost Communication With TCM	Detected when CAN data from TCM is not transmitted to stereo camera.	<Ref. to ES(diag)-75, DTC U0101 LOST COMMUNICATION WITH TCM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
U0122	Lost Communication With Vehicle Dynamics Control Module	Detected when CAN data from VDC is not transmitted to stereo camera.	<Ref. to ES(diag)-75, DTC U0122 LOST COMMUNICATION WITH VEHICLE DYNAMICS CONTROL MODULE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
U0140	Lost Communication With Body Control Module	Detected when CAN data from body integrated unit is not transmitted to stereo camera.	<Ref. to ES(diag)-75, DTC U0140 LOST COMMUNICATION WITH BODY CONTROL MODULE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
U0155	Lost Communication With Instrument Panel Cluster (IPC) Control Module	Detected when CAN data from combination meter is not transmitted to stereo camera.	<Ref. to ES(diag)-75, DTC U0155 LOST COMMUNICATION WITH INSTRUMENT PANEL CLUSTER (IPC) CONTROL MODULE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
U0401	Invalid Data Received From ECM/PCM “A”	Failure counter diagnosis of engine control module (ECM)	<Ref. to ES(diag)-75, DTC U0401 INVALID DATA RECEIVED FROM ECM/PCM “A”, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
U0402	Invalid Data Received From TCM	Failure counter diagnosis of automatic transmission control module (TCM)	<Ref. to ES(diag)-76, DTC U0402 INVALID DATA RECEIVED FROM TCM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

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EyeSight (DIAGNOSTICS)

DTC	Item	Contents of diagnosis	Reference
U0416	Invalid Data Received From Vehicle Dynamics Control Module	Failure counter diagnosis of VDC control module (VDC CM)	<Ref. to ES(diag)-76, DTC U0416 INVALID DATA RECEIVED FROM VEHICLE DYNAMICS CONTROL MODULE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
U0422	Invalid Data Received From Body Control Module	Failure counter diagnosis of body integrated unit	<Ref. to ES(diag)-76, DTC U0422 INVALID DATA RECEIVED FROM BODY CONTROL MODULE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
U0423	Invalid Data Received From Instrument Panel Cluster Control Module	Failure counter diagnosis of combination meter	<Ref. to ES(diag)-76, DTC U0423 INVALID DATA RECEIVED FROM INSTRUMENT PANEL CLUSTER CONTROL MODULE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B2801	TCM Abnormal	Detected when error occurs in the automatic transmission.	<Ref. to ES(diag)-76, DTC B2801 TCM ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B2802	ETC Abnormal	Detected when error occurs in the electronic throttle control.	<Ref. to ES(diag)-76, DTC B2802 ETC ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B2806	ECM Abnormal	Detected when error occurs in the engine control module (ECM).	<Ref. to ES(diag)-76, DTC B2806 ECM ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B2807		Detected when cruise indicator illumination request from ECM and ON/OFF information of cruise function do not match.	<Ref. to ES(diag)-77, DTC B2807 ECM ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B2809	VDC Abnormal	Detected when error occurs in the VDC. (VDC failure)	<Ref. to ES(diag)-77, DTC B2809 VDC ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B280A		Detected when error occurs in the VDC. (VDC brake control malfunction 1)	<Ref. to ES(diag)-77, DTC B280A VDC ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B280B		Detected when error occurs in the VDC. (VDC brake control malfunction 2)	<Ref. to ES(diag)-77, DTC B280B VDC ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B280C		Detected when error occurs in the VDC. (VDC fluid pressure control prohibited)	<Ref. to ES(diag)-77, DTC B280C VDC ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B280F	Meter Abnormal	Detected when error occurs in the CAN communication with combination meter.	<Ref. to ES(diag)-77, DTC B280F METER ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B2810		Detected when different (undesigned) type of combination meter is installed.	<Ref. to ES(diag)-77, DTC B2810 METER ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

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DTC	Item	Contents of diagnosis	Reference
B2814	Power Supply Volt Error	Detected when battery voltage is below specified value or when the +B harness of the stereo camera is broken.	<Ref. to ES(diag)-78, DTC B2814 POWER SUPPLY VOLT ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B2815		Detected when battery voltage exceeds the specified value.	<Ref. to ES(diag)-79, DTC B2815 POWER SUPPLY VOLT ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B2817	Brake Lamp Error	Detected when error occurs in the brake light illumination circuit.	<Ref. to ES(diag)-79, DTC B2817 BRAKE LAMP ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B28A0	Vehicle Model Judgment Abnormal	Detected when the model code stored in EEPROM and the model code used for CAN data are different, or when +B harness of the stereo camera is broken at aiming completion.	<Ref. to ES(diag)-80, DTC B28A0 VEHICLE MODEL JUDGMENT ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B28A1	Adaptive CC ECM Communication Data Error	Abnormal judgment for stereo camera by ECM Or detected when the stereo camera or ECM is assembled incorrectly.	<Ref. to ES(diag)-82, DTC B28A1 ADAPTIVE CC ECM COMMUNICATION DATA ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B28A2		Abnormal judgment for stereo camera data by VDC	<Ref. to ES(diag)-83, DTC B28A2 ADAPTIVE CC ECM COMMUNICATION DATA ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B28A3		Abnormal judgment for stereo camera data by combination meter	<Ref. to ES(diag)-84, DTC B28A3 ADAPTIVE CC ECM COMMUNICATION DATA ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B28A5		Detected when error occurs in the transmission data from stereo camera to ECM.	<Ref. to ES(diag)-85, DTC B28A5 ADAPTIVE CC ECM COMMUNICATION DATA ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

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DTC	Item	Contents of diagnosis	Reference
B28A6	Stereo Camera Abnormal	Detected when communication error occurs inside the stereo camera.	<Ref. to ES(diag)-86, DTC B28A6 STEREO CAMERA ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B28A7		Detected when error occurs in the communication data inside the control module due to external factors such as noises.	<Ref. to ES(diag)-86, DTC B28A7 STEREO CAMERA ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B28A8			<Ref. to ES(diag)-86, DTC B28A8 STEREO CAMERA ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B28A9			<Ref. to ES(diag)-86, DTC B28A9 STEREO CAMERA ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B28AA		Detected when error occurs in the communication with microcomputer 1 system inside the stereo camera.	<Ref. to ES(diag)-86, DTC B28AA STEREO CAMERA ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B28AB		Detected when error occurs in the communication with microcomputer 2 system inside the stereo camera.	<Ref. to ES(diag)-87, DTC B28AB STEREO CAMERA ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B28AC		Detected when error occurs in the ASIC system inside the stereo camera.	<Ref. to ES(diag)-87, DTC B28AC STEREO CAMERA ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B28AD		Detected when error occurs in the stereo camera image system.	<Ref. to ES(diag)-87, DTC B28AD STEREO CAMERA ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B28AE		Detected when error occurs in the internal power supply system of stereo camera.	<Ref. to ES(diag)-87, DTC B28AE STEREO CAMERA ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B28AF		Detected when adjustment/inspection of camera has not been completed normally.	<Ref. to ES(diag)-87, DTC B28AF STEREO CAMERA ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B28B1		Detected when the optical axis of stereo camera is deviated in lateral direction or when the fluctuation range of automatic adjustment value has been enlarged.	<Ref. to ES(diag)-88, DTC B28B1 STEREO CAMERA ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B28B2		Detected when the temperature of the stereo camera excessively increases. (When this DTC is detected, the camera will not return to the normal state after performing adjustment or inspection. In this case, always replace the stereo camera.)	<Ref. to ES(diag)-88, DTC B28B2 STEREO CAMERA ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B28B3		Detected when the temperature of the stereo camera excessively decreases. (When this DTC is detected, the camera will not return to the normal state after performing adjustment or inspection. In this case, always replace the stereo camera.)	<Ref. to ES(diag)-88, DTC B28B3 STEREO CAMERA ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

# Diagnostic Code(s) Display

EyeSight (DIAGNOSTICS)

DTC	Item	Contents of diagnosis	Reference
B28B5	+B Circuit Abnormal	Detected when there is an open circuit in power supply line of the stereo camera.	<Ref. to ES(diag)-88, DTC B28B5 +B CIRCUIT ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B28B6	Pre-Collision Off Switch Abnormal	Pre-collision brake switch or harness is faulty. Detected also when the switch is held down for over 45 minutes.	<Ref. to ES(diag)-89, DTC B28B6 PRE-COLLISION OFF SWITCH ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B28B7	LDP Off Switch Abnormal	Lane departure warning OFF switch or harness is faulty. Detected also when the switch is held down for over 45 minutes.	<Ref. to ES(diag)-91, DTC B28B7 LDP OFF SWITCH ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B28B8	EyeSight Switch 1 Abnormal	Detected when the EyeSight steering switch is not installed, when the switch is faulty, or when the harness is abnormal, open or stuck to ON.	<Ref. to ES(diag)-93, DTC B28B8 EyeSight SWITCH 1 ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B28B9	EyeSight Switch 2 Abnormal		<Ref. to ES(diag)-94, DTC B28B9 EyeSight SWITCH 2 ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>