

List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

1. CHECK USING THE DTC CHECK SHEET

DTC check sheet

- Bus off detection / data not received

	(A)	(B)			(C)																			
		MAIN-CAN	PU-CAN	HEV-CAN	ECM		TCM		DMCM	BECM	VDC	STR	EPS	BIU	A/B	MET	MFD	A/C	EOP	HPCM			KPS	
					MAIN	PU	MAIN	PU												MAIN	HEV	PU		
		U0073	U0075	U0076	U0100	U1100	U0101	U1101	U0110	U0111	U0122	U0126	U0131	U0140	U0151	U0155	U0156	U0164	U0287	U0293 U1120	U1290	U1293	U0327	
VDC			■	■		■		■	■	■	■		■		■		■		■		■	■	■	
BIU			■	■		■		■	■	■			■		■		■		■		■	■	■	
MFD			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
A/C			■	■		■		■	■	■		■		■		■	■	■	■	■	■	■	■	■
MET			■	■		■		■	■	■		■		■		■	■	■	■	■	■	■	■	■
RST		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
STR		■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
TCM				■			■	■		■		■	■		■		■	■	■				■	■
A/B			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
HPCM												■					■					■	■	■
EPS			■	■	■	■	■	■				■	■			■	■	■	■	■	■	■	■	■
ECM					■	■							■	■				■	■		■		■	■
KPS			■					■	■	■		■	■		■		■	■	■	■		■	■	■
AHL			■	■	■	■	■	■	■	■		■	■		■	■	■	■	■	■	■	■	■	■
EOP		■	■		■			■			■		■	■			■	■	■	■	■	■	■	■
BECM		■	■		■		■	■		■	■	■	■	■	■	■	■	■	■	■	■		■	■
DMCM		■	■		■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■

LAN01791

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- Data abnormal detection

	(D)																		
	ECM		TCM		DMCM	BECM	VDC	STR	EPS	BIU	A/B	MET	MFD	A/C	EOP	HPCM			KPS
	MAIN	PU	MAIN	PU												MAIN	HEV	PU	
	U0401	U1401	U0402	U1402	U0411	U0412	U0416	U0428	U0420	U0422	U0452	U0423	U0457	U0424	U0588	U0594 U1469	U1591	U1594	U0427
VDC		-		-	-	-			-		-		-	-	-		-	-	-
BIU		-		-	-	-		-	-		-		-		-		-	-	
MFD	-		-		-	-	-		-		-		-	-	-	-	-	-	-
A/C		-		-	-	-		-	-		-		-	-	-		-	-	-
MET	-	-	-	-	-	-	-	-	-		-		-	-	-		-	-	-
RST	-	-	-	-	-	-	-	-	-	-	-		-	-	-		-	-	-
STR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCM			-	-		-		-	-		-		-	-			-		-
A/B	-	-	-	-	-	-	-		-		-		-	-	-		-		-
HPCM								-					-			-			
EPS	-	-	-	-	-			-	-	-			-	-	-	-	-	-	-
ECM	-	-			-	-					-		-	-	-				
KPS			-	-			-	-	-		-	-	-	-	-				-
AHL	-	-		-	-	-	-	-	-		-	-	-	-	-		-	-	-
EOP	-	-		-			-	-	-	-	-		-	-	-		-		-
BECM	-	-	-	-		-	-	-	-		-	-	-	-	-	-		-	-
DMCM	-	-	-	-	-		-		-	-	-	-	-	-	-	-		-	-

LAN01409

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List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

(A) Installation check	VDC: VDC CM	HPCM: Hybrid powertrain CM
(B) Bus off detection	BIU: Body integrated unit	EPS: Power steering CM
(C) Data no-receive detection	MFD: High grade MFD	ECM: Engine CM
(D) Data abnormal detection	A/C: A/C control panel	KPS: Keyless access CM
	MET: Combination meter	AHL: Auto headlight beam leveler CM
	RST: Remote engine starter CM	EOP: Electric oil pump
	STR: Steering angle sensor	BECM: Battery energy CM (high voltage battery)
	TCM: Transmission CM	DMCM: Drive motor CM
	A/B: Airbag CM	

1) Module installation check

(1) Write “-” marks in the field for installation check if the vehicle to be inspected does not have relevant module.

(2) Write “-” marks in all blank fields on the same row that the “-” mark has filled in.

2) Bus off detection / data not received

NOTE:

It becomes impossible for CAN diagnostic module to read DTC, if there is a current malfunction of open harness (data not received). If this occurs, perform the “Check using the check sheet of communication for initializing” <Ref. to LAN(HEV)(diag)-12, CHECK USING THE CHECK SHEET OF COMMUNICATION FOR INITIALIZING, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Subaru Select Monitor.>, and use this sheet to confirm that the corresponding part becomes the past malfunction.

(1) Mark “X” in the field corresponding to the DTCs that has been detected by each module in the check sheet.

(2) Identify and repair the faulty part by referring to the example of DTC data not received and the DTC matrix. <Ref. to LAN(HEV)(diag)-92, EXAMPLE OF DTC DATA NOT RECEIVED, LIST, List of Diagnostic Trouble Code (DTC).> <Ref. to LAN(HEV)(diag)-95, DTC MATRIX, LIST, List of Diagnostic Trouble Code (DTC).>

3) Data abnormal detection

NOTE:

If any DTC code that starts with P, B or C is detected after restarting the engine, perform the diagnosis for that code first. If any “BUS OFF” or “NO-RECEIVE DATA” condition is detected, perform the diagnosis for these problems first.

(1) If several modules detect the DTC for the same module, replace the detected module.

(2) If one module detects the DTC, replace the module of the detected side.

(3) If it does not return to the normal operation, re-install the module which has been replaced, and replace the module of the detected side.

(4) If it does not return to the normal operation, replace both modules.

List of Diagnostic Trouble Code (DTC)

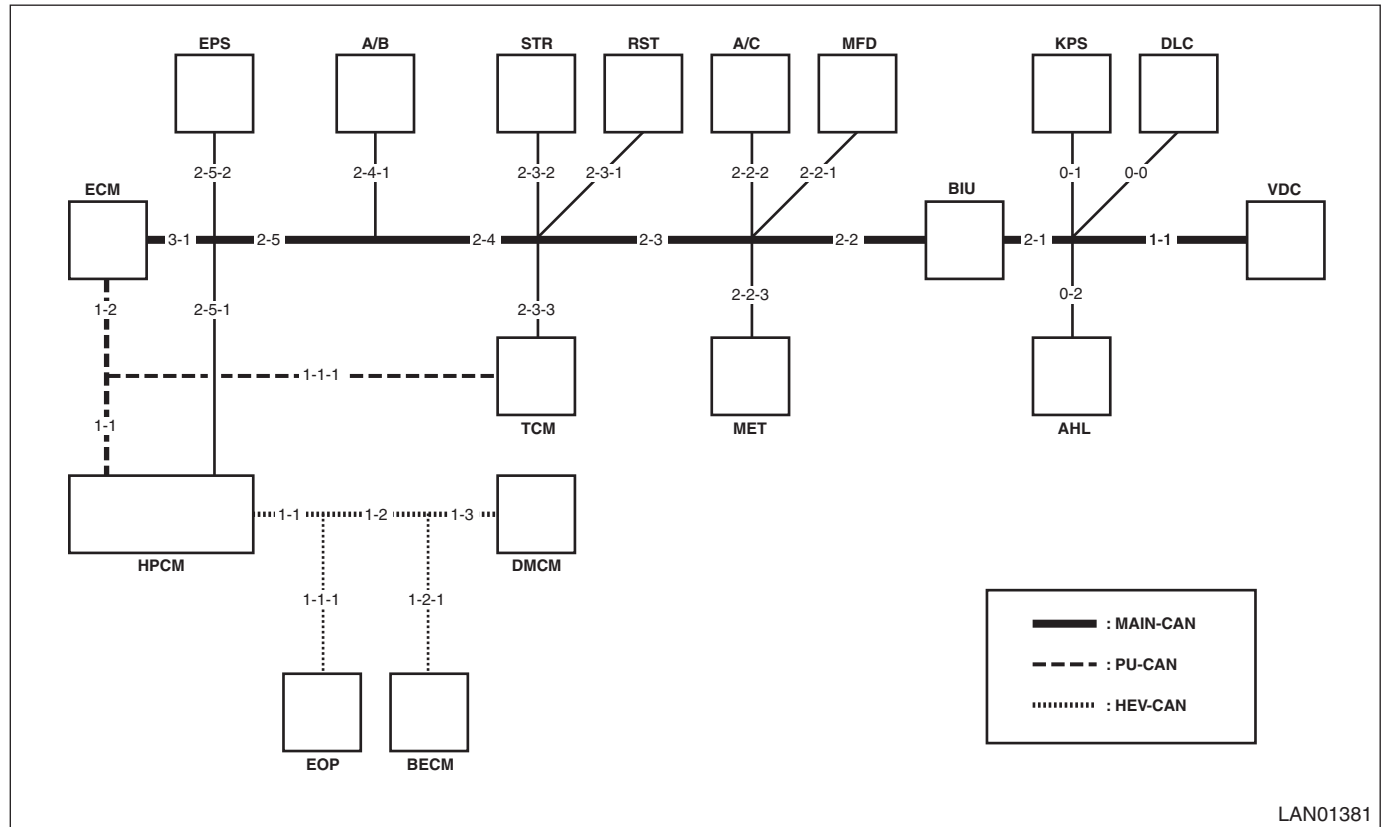
LAN SYSTEM (DIAGNOSTICS)

2. EXAMPLE OF DTC DATA NOT RECEIVED

NOTE:

Only the sheet for bus off, data no-receive entry is shown.

(This is because, when data error occurs at the bus off, data no-receive condition, the diagnosis for these problems is performed first.)



List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

When 2-3-1 (remote engine start CM vicinity) is open

NOTE:

The remote engine starter does not operate while no DTC is detected.

	(A)	(B)			(C)																		
		MAIN-CAN	PU-CAN	HEV-CAN	ECM		TCM		DMCM	BECM	VDC	STR	EPS	BIU	A/B	MET	MFD	A/C	EOP	HPCM			KPS
					MAIN	PU	MAIN	PU												MAIN	HEV	PU	
		U0073	U0075	U0076	U0100	U1100	U0101	U1101	U0110	U0111	U0122	U0126	U0131	U0140	U0151	U0155	U0156	U0164	U0287	U0293 U1120	U1290	U1293	U0327
VDC			■	■		■		■	■	■	■		■		■		■		■	■	■	■	■
BIU			■	■		■		■	■	■			■		■		■		■	■	■	■	■
MFD			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
A/C			■	■		■		■	■	■			■		■		■	■	■	■	■	■	■
MET			■	■		■		■	■	■		■			■	■	■		■	■	■	■	■
RST		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
STR		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
TCM				■			■	■		■		■	■		■		■	■			■		■
A/B			■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■
HPCM												■					■			■	■	■	■
EPS			■	■		■	■	■		■		■	■	■	■	■	■	■	■	■	■	■	■
ECM					■	■			■	■			■	■		■	■	■	■	■	■	■	■
KPS			■	■		■		■	■	■		■	■	■	■	■	■	■	■	■	■	■	■
AHL			■	■	■	■	■	■	■	■		■	■		■	■	■	■	■	■	■	■	■
EOP		■			■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
BECM		■	■			■	■		■	■	■	■	■	■	■	■	■	■	■	■		■	■
DMCM		■	■		■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■

LAN01791

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When 2-3-2 (steering angle sensor vicinity) is open

	(A)	(B)			(C)																		
		MAIN-CAN	PU-CAN	HEV-CAN	ECM		TCM		DMCM	BECM	VDC	STR	EPS	BIU	A/B	MET	MFD	A/C	EOP	HPCM			KPS
					MAIN	PU	MAIN	PU												MAIN	HEV	PU	
		U0073	U0075	U0076	U0100	U1100	U0101	U1101	U0110	U0111	U0122	U0126	U0131	U0140	U0151	U0155	U0156	U0164	U0287	U0293 U1120	U1290	U1293	U0327
VDC			-	-		-		-	-	-		X	-		-		-		-		-	-	
BIU			-	-		-		-	-	-		-	-		-		-		-		-	-	
MFD			-	-	-	-	-	-	-	-		-	-		-		-		-		-	-	-
A/C			-	-		-		-	-	-		-	-		-		-		-		-	-	-
MET			-	-		-		-	-	-		-			-		-		-		-	-	
RST		-	-	-	-	-	-	-	-	-		-			-		-		-	-	-	-	-
STR		-	-	-	-	-	-	-	-	-		-	-		-		-		-	-	-	-	-
TCM				-			-	-		-			-		-		-		-				-
A/B			-	-	-	-	-	-	-	-			-		-		-		-		-	-	-
HPCM												-			-		-		-		-	-	-
EPS			-	-		-	-	-	-	-		-	-		-		-		-	-	-	-	-
ECM					-	-			-	-			-		-		-		-				-
KPS			-	-		-		-	-	-		-	-		-		-		-		-	-	-
AHL			-	-	-	-	-	-	-	-		-	-		-		-		-	-	-	-	-
EOP		-	-					-	-	-		-	-		-		-		-	-	-	-	-
BECM		-	-				-			-		-	-		-		-		-	-			-
DMCM		-	-		-	-	-	-	-			-	-		-		-		-	-		-	-

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List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

When 2-5-2 (electric power steering CM vicinity) is open

	(A)	(B)			(C)																		
		MAIN-CAN	PU-CAN	HEV-CAN	ECM		TCM		DMCM	BECM	VDC	STR	EPS	BIU	A/B	MET	MFD	A/C	EOP	HPCM			KPS
					MAIN	PU	MAIN	PU												MAIN	HEV	PU	
		U0073	U0075	U0076	U0100	U1100	U0101	U1101	U0110	U0111	U0122	U0126	U0131	U0140	U0151	U0155	U0156	U0164	U0287	U0293 U1120	U1290	U1293	U0327
VDC			-	-		-		-	-	-	-		-		-	-	-	-	-		-	-	-
BIU			-	-		-		-	-	-		-		-	-	-	-	-	-		-	-	-
MFD			-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A/C			-	-		-		-	-	-					-	-	-	-	-		-	-	-
MET			-	-		-		-	-	-		-	X			-	-	-	-		-	-	
RST		-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
STR		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCM				-			-			-					-		-				-		-
A/B			-	-	-	-	-		-	-	-			-	-	-	-	-	-	-	-	-	-
HPCM												-	X				-			-	-	-	-
EPS			-	-	-	-	-	-		-	X			-	-	-	-	-	-	-	-	-	-
ECM				-	-				-			-		-			-	-	-		-		-
KPS			-	-		-		-	-	-		-	-		-	-	-	-	-		-	-	-
AHL			-	-	-	-	-	-	-	-		-	-		-	-	-	-	-	-	-	-	-
EOP		-	-		-	-		-	-		-		-	-	-	-	-	-	-	-	-	-	-
BECM		-	-				-			-			-	-	-	-	-	-	-			-	-
DMCM		-	-		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-		-	-

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LAN01793

List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

3. DTC MATRIX

NOTE:

Perform the following procedure when using this chart in which the detailed trouble mode corresponds to the trouble status.

1. Search the trouble mode that corresponds to the vehicle status from the chart.
2. Perform the repair that corresponds to the trouble mode.

Condition				DTC reading result from each module using Subaru Select Monitor						
Modules (Which module vicinity)	Detailed location (Which location)	Trouble mode (What kind)	Vehicle status (Current status)	ECM	TCM	.	.	.	.	AHL
Trouble mode 1				Vehicle status 1						
Trouble mode 2				Vehicle status 2						
.				.						
.										
Trouble mode n				Vehicle status n						

Condition				Indicator						
Modules (Which module vicinity)	Detailed location (Which location)	Trouble mode (What kind)	Vehicle status (Current status)	READY	HYBRID	.	.	.	.	OTHER WARNING INDICATIONS
Trouble mode 1				Vehicle status 1						
Trouble mode 2				Vehicle status 2						
.				.						
.				.						
Trouble mode n				Vehicle status n						

LAN01336

List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

1. CAN communication circuit is open (DTC)

NOTE:

- If the module has a limit of DTC memory and the number of DTC occurrence exceeds the limit, older DTCs are preferentially stored.
- When there is no description in Current, it is referred to as "None".
- When DTC is in parentheses, it is referred to as "Not always occur".
- "Trouble exists" is referred to as the status before performing inspection and repair. "Trouble existed" is referred to as the status before performing DTC clear after repair.

*1: When U0073 occurs, other U-codes are not stored. (Judge timing affects the storing order.)

*2: The number of DTC memory is limited to 8 items.

*3: All types of DTCs can be simultaneously stored.

*4: All types of DTCs can be simultaneously stored. When U0073 occurs, other U-codes are not stored.

*5: The number of DTC memory is limited to 4 items. (when the 5 or more DTC occurs, these will be memorized on memory areas from 2nd to 4th.)

*6: The number of DTC memory is limited to 5 items. (Older items are preferentially stored.)

*7: The number of DTC memory is limited to 2 items. (Older items are preferentially stored.)

List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

Condition				DTC reading result from each module using Subaru Select Monitor													
Control module	De-tailed location	Trouble mode	Vehicle status	ECM (*1)	TCM (*1)	VDC (*1)	BIU (*2)	A/B (*3)	A/C (*4)	EPS (*1) (*5)	KPS (*3)	MET (*6)	MFD (*7)	DMCM (*3)	HPCM (*3)	BECM (*3)	AHL (*3)
VDC Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Current U0122 Past Same as above	Current U0122 Past Same as above	Communication failure	Current U0122 Past Same as above	Current None Past None	Current U0122 Past Same as above	Current U0122 Latest Same as above	Current U0122 Past Same as above	Current U0122 Past Same as above	Current None Past None	Current None Past None	Current U0122 Past Same as above	Current None Past None	Current U0122 Past Same as above
VDC Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	Past U0122	Past U0122	Current C1424 (C1431) Past C1424 (C1431) U0073 U0100 U0101 U0126 U0140 U0293	Past U0122	Current None Past None	Past U0122	Current U0122 Latest None	Past U0122	Past U0122	Current None Past None	Current None Past None	Past U0122	Current None Past None	Past U0122
KPS Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Current None Past None	Current None Past None	Current None Past None	Current U0327 Past Same as above	Current None Past None	Current None Past None	Current None Latest None	Communication failure Past Same as above	Current U0327 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None
KPS Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	Current None Past None	Current None Past None	Current None Past None	Past U0327	Current None Past None	Current None Past None	Current None Latest None	Past U0100 U0101 U0122 U0140 U0155 U1120	Past U0327	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None
AHL Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Latest None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Communication failure
AHL Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Latest None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Past U0122 U0140

LAN01412

List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

Condition				DTC reading result from each module using Subaru Select Monitor													
Control module	De-tailed location	Trouble mode	Vehicle status	ECM (*1)	TCM (*1)	VDC (*1)	BIU (*2)	A/B (*3)	A/C (*4)	EPS (*1) (*5)	KPS (*3)	MET (*6)	MFD (*7)	DMCM (*3)	HPCM (*3)	BECM (*3)	AHL (*3)
BIU (VDC side) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Communication failure	Communication failure	Current U0100 U0101 U0126 U0140 U0293 Past Same as above	Communication failure	Communication failure	Communication failure	Current U0122 Latest Same as above	Current U0100 U0101 U0140 U0155 U1120 Past Same as above	Communication failure	Communication failure	Communication failure	Communication failure	Communication failure	Current U0140 Past Same as above
BIU (VDC side) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	Past U0122	Past U0122	Current C1424 C1431 Past C1424 C1431 U0100 U0101 U0126 U0140 U0293	Past U0122 U0327	Current None Past None	Past U0122	Latest U0122	Past U0100 U0101 U0140 U0155 U1120	Past U0122 U0327	Current None Past None	Current None Past None	Past U0122	Current None Past None	Past U0140
BIU (ECM side) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Communication failure	Communication failure	Current U0100 U0101 U0126 U0293 Past Same as above	Current U0100 U0101 U0155 U0164 Past Same as above	Communication failure	Communication failure	Current U0122 Latest Same as above	Current U0100 U0101 U0155 U1120 Past Same as above	Communication failure	Communication failure	Communication failure	Communication failure	Communication failure	Current None Past None
BIU (ECM side) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	Past U0122	Past U0122 U0140	Current C1424 C1431 Past C1424 C1431 U0100 U0101 U0126 U0293	Past U0100 U0101 U0155 U0164	Current None Past None	Past U0122 U0140	Latest U0122	Past U0100 U0101 U0155 U1120	Past U0122 U0140 U0327	Past U1650	Current None Past None	Past U0122 U0140	Current None Past None	Current None Past None
MFD Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Latest None	Current None Past None	Current None Past None	Communication failure	Current None Past None	Current None Past None	Current None Past None	Current None Past None
MFD Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Latest None	Current None Past None	Current None Past None	Past (U0073)	Current None Past None	Current None Past None	Current None Past None	Current None Past None

LAN01413

List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

Condition				DTC reading result from each module using Subaru Select Monitor													
Control module	De-tailed location	Trouble mode	Vehicle status	ECM (*1)	TCM (*1)	VDC (*1)	BIU (*2)	A/B (*3)	A/C (*4)	EPS (*1) (*5)	KPS (*3)	MET (*6)	MFD (*7)	DMCM (*3)	HPCM (*3)	BECM (*3)	AHL (*3)
A/C Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Current None Past None	Current None Past None	Current None Past None	Current U0164 Past Same as above	Current None Past None	Communication failure	Current None Latest None	Current None Past None	Current U0164 Past Same as above	Current None Past None	Current None Past None	Current U0164 Past Same as above	Current None Past None	Current None Past None
A/C Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	Current None Past None	Current None Past None	Current None Past None	Past U0164	Current None Past None	Past U0100 U0101 U0122 U0140 U0155 U1120	Current None Latest None	Current None Past None	Past U0164	Current None Past None	Current None Past None	Past U0164	Current None Past None	Current None Past None
MET Vicinity	Hi side Lo side	Open circuit	Trouble exists	Current U0155 Past Same as above	Current U0155 Past Same as above	Current C1424 Past Same as above	Current U0155 Past Same as above	Current None Past None	Current U0155 Past Same as above	Latest None Current None	Current U0155 Past Same as above	Communication failure	Current (U1650) Past (U1650)	Current None Past None	Current U0155 Past U0155	Current None Past None	Current None Past None
MET Vicinity	Both sides	Open circuit	Trouble exists	Current U0155 Past Same as above	Current U0155 Past Same as above	Current C1424 Past Same as above	Current U0155 Past Same as above	Current None Past None	Current U0155 Past Same as above	Latest None Current None	Current U0155 Past Same as above	Communication failure	Current (U1650) Past (U1650)	Current None Past None	Current U0155 Past U0155	Current None Past None	Current None Past None
MET Vicinity	Hi side	Open circuit	Trouble existed	Past U0155	Past U0155	Current C1424 Past Same as above	Past U0155	Current None Past None	Past U0155	Latest None Current None	Past U0155	Past U0073 U0100 U0101 U0122 U0131 U0140 U0151 U0164 U0293 U0327 U1120 Any 5 items from above	Past (U1650)	Current None Past None	Past U0155	Current None Past None	Current None Past None
STR Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Current None Past None	Current None Past None	Current U0126 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Latest None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None
STR Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	Current None Past None	Current None Past None	Past U0126	Current None Past None	Current None Past None	Current None Past None	Current None Latest None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None

LAN01414

List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

Condition				DTC reading result from each module using Subaru Select Monitor													
Control module	Detailed location	Trouble mode	Vehicle status	ECM (*1)	TCM (*1)	VDC (*1)	BIU (*2)	A/B (*3)	A/C (*4)	EPS (*1) (*5)	KPS (*3)	MET (*6)	MFD (*7)	DMCM (*3)	HPCM (*3)	BECM (*3)	AHL (*3)
TCM (MAIN) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Current U0101 Past Same as above	Communication failure	Current C1424 U0101 Past Same as above	Current U0101 Past Same as above	Current None Past None	Current U0101 Past Same as above	Current None Latest None	Current U0101 Past Same as above	Current U0101 Past Same as above	Current None Past None	Current None Past None	Current U0101 Past Same as above	Current None Past None	Current None Past None
TCM (MAIN) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	Past U0101	Past U0100 U0122 U0140 U0155 U0293	Current C1424 C1431 Past C1424 C1431 U0101	Past U0101	Current None Past None	Past U0101	Current None Latest None	Past U0101	Past U0101	Current None Past None	Current None Past None	Past U0101	Current None Past None	Current None Past None
A/B Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Communication failure	Current None Past None	Current None Latest None	Current None Past None	Current U0151 Past Same as above	Current None Past None	Current None Past None	Current U0151 Past Same as above	Current None Past None	Current None Past None
A/B Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Latest None	Current None Past None	Past U0151	Current None Past None	Current None Past None	Past U0151	Current None Past None	Current None Past None
HPCM (MAIN) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Current U0293 Past Same as above	Current U0293 Past Same as above	Current C1424 C1431 U0293 Past Same as above	Current None Past None	Current None Past None	Current U1120 Past Same as above	Current None Latest None	Current U1120 Past Same as above	Current U0293 U1120 Past Same as above	Current None Past None	Communication failure	Communication failure	Communication failure	Current None Past None
HPCM (MAIN) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	Past U0293	Past U0293	Current C1424 C1431 Past C1424 C1431 U0293	Current None Past None	Current None Past None	Past U1120	Current None Latest None	Past U1120	Past U0293 U1120	Current None Past None	Current None Past None	Past U0100 U0101 U0122 U0131 U0140 U0151 U0155 U0164	Current None Past None	Current None Past None

LAN01794

List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

Condition				DTC reading result from each module using Subaru Select Monitor													
Control module	De-tailed location	Trouble mode	Vehicle status	ECM (*1)	TCM (*1)	VDC (*1)	BIU (*2)	A/B (*3)	A/C (*4)	EPS (*1) (*5)	KPS (*3)	MET (*6)	MFD (*7)	DMCM (*3)	HPCM (*3)	BECM (*3)	AHL (*3)
EPS Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Current None Past None	Current U0131 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current U0122 Latest C2543 U0122	Current None Past None	Current U0131 Past Same as above	Current None Past None	Current None Past None	Current U0131 Past Same as above	Current None Past None	Current None Past None
EPS Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	Current None Past None	Past U0131	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Latest C2543 U0122 Past None	Current None Past U0131	Current None Past None	Current None Past None	Current None Past None	Past U0131	Current None Past None	Current None Past None
ECM (MAIN) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Communication failure	Current U0100 Past Same as above	Current C1431 U0100 Past Same as above	Current U0100 Past Same as above	Current None Past None	Current U0100 Past Same as above	Current None Latest None	Current U0100 Past Same as above	Current U0100 Past Same as above	Current None Past None	Current None Past None	Current U0100 Past Same as above	Current None Past None	Current None Past None
ECM (MAIN) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	Past U0073	Past U0100	Current C1424 C1431 Past C1424 C1431 U0100	Past U0100	Current None Past None	Past U0100	Current None Latest None	Past U0100	Past U0100	Current None Past None	Current None Past None	Past U0100	Current None Past None	Current None Past None
ECM (PU) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Current U0075 Past Same as above	Current U1100 Past Same as above	Current C1424 C1431 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Latest None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current U1100 Past Same as above	Current None Past None	Current None Past None
ECM (PU) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	Past U0075	Past U1100	Current C1424 C1431 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Latest None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Past U1100	Current None Past None	Current None Past None

LAN01416

List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

Condition				DTC reading result from each module using Subaru Select Monitor													
Control module	De-tailed location	Trouble mode	Vehicle status	ECM (*1)	TCM (*1)	VDC (*1)	BIU (*2)	A/B (*3)	A/C (*4)	EPS (*1) (*5)	KPS (*3)	MET (*6)	MFD (*7)	DMCM (*3)	HPCM (*3)	BECM (*3)	AHL (*3)
TCM (PU) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Current U1101 Past Same as above	Current U0110 U0287 U1100 U1293 Past Same as above	Current C1424 C1431 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Latest None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current U1101 Past Same as above	Current None Past None	Current None Past None
TCM (PU) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	Past U1101	Past U0110 U0287 U1100 U1293 Past Same as above	Current C1424 C1431 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Latest None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Past U1101 Past None	Current None Past None	Current None Past None
HPCM (PU) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Current U1293 Past Same as above	Current U0110 U0287 U1293 Past Same as above	Current C1424 C1431 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Latest None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current U1100 U1101 Past Same as above	Current None Past None	Current None Past None
HPCM (PU) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	Past U1293	Past U0110 U0287 U1293 Past Same as above	Current C1424 C1431 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Latest None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Past U1100 U1101 Past None	Current None Past None	Current None Past None
HPCM (HPCM) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Current None Past None	Current U0110 U0287 Past Same as above	Current C1431 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Latest None	Current None Past None	Current None Past None	Current None Past None	Communication failure	Current U0110 U0111 U0287 Past Same as above	Communication failure	Current None Past None
HPCM (HPCM) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	Current None Past None	Past U0110 U0287	Current C1431 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Latest None	Current None Past None	Current None Past None	Current None Past None	Current U1290 Past Same as above	Past U0110 U0111 U0287	Current U1290 Past Same as above	Current None Past None

LAN01417

List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

Condition				DTC reading result from each module using Subaru Select Monitor													
Control module	De-tailed location	Trouble mode	Vehicle status	ECM (*1)	TCM (*1)	VDC (*1)	BIU (*2)	A/B (*3)	A/C (*4)	EPS (*1) (*5)	KPS (*3)	MET (*6)	MFD (*7)	DMCM (*3)	HPCM (*3)	BECM (*3)	AHL (*3)
EOP Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Current None Past None	Current U0287 Past Same as above	Current C1431 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Latest None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current U0287 Past Same as above	Current None Past None	Current None Past None
EOP Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	Current None Past None	Past U0287	Current C1431 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Latest None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Past U0287	Current None Past None	Current None Past None
BECM Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Latest None	Current None Past None	Current None Past None	Current None Past None	Current U0111 Past Same as above	Current U0111 Past Same as above	Communication failure	Current None Past None
BECM Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Latest None	Current None Past None	Current None Past None	Current None Past None	Past U0111	Past U0111	Past U0110 U1290	Current None Past None
DMCM Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Current None Past None	Current U0110 Past Same as above	Current C1431 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Latest None	Current None Past None	Current None Past None	Current None Past None	Communication failure	Current U0110 Past Same as above	Current U0110 Past Same as above	Current None Past None
DMCM Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	Current None Past None	Past U0110	Current C1431 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Latest None	Current None Past None	Current None Past None	Current None Past None	Past U0111 U1290	Past U0110	Past U0110	Current None Past None

LAN01418

List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

2. CAN communication circuit is open (indicator)

NOTE:

“Trouble exists” is referred to as the status before performing inspection and repair. “Trouble existed” is referred to as the status before performing DTC clear after repair.

*1: When Hi is open/illuminates sometimes. When Lo is open/goes off sometimes.

*2: When Hi is open/red illuminates sometimes, orange goes off sometimes. When Lo is open/red illuminates sometimes, orange illuminates sometimes.

*3: When Hi is open/red and blue blink, and goes off sometimes. When Lo is open/red and blue blink, and illuminates sometimes.

*4: Hard to illuminate when Lo is open.

*5: Red and orange illuminate.

*6: When C1431 does not occur, VDC and ABS warning lights do not illuminate.

*7: Security warning light illuminates once in approximately 10 seconds when the rear defogger does not respond/when not reflected to door open MFD/and when door is open.

*8: MFD does not display OPEN status when the door is open.

*9: Air conditioner operation does not reflected to MFD. Rear defogger does not respond.

*10: Symptom displayed in the MFD but not reflected in the meter occurs intermittently when the door is open. MFD itself might be reset. Meter dims sometimes.

*11: Displayed in the MFD but not reflected in the meter when the door is open.

*12: MFD orange frame is disappeared.

*13: Engine, motor and BATT icon in MFD is disappeared. (wallpaper is only displayed)

*14: Engine orange frame in MFD is disappeared.

*15: Remaining battery capacity in MFD is 0 (0 is displayed in normal condition). Engine orange frame is disappeared.

*16: Remaining battery capacity in MFD is 0 (0 is displayed in normal condition).

List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

○ : Illuminate △ : Blink × : Off

Condition				Indicator																													
Control module	Detailed location	Trouble mode	Vehicle status	READY	HYBRID	CHECK ENGINE	AT OIL TEMP	AUTO HEADLIGHT BEAM LEVELER	AIRBAG	BRAKE	VDC	AUTO START STOP	EMPTY	CHARGE WARNING	VDC OFF	OIL PRESSURE	ABS	EPS	AWD	HILL HOLD	ACCESS KEY WARNING	SECURITY INDICATOR	AUTO START STOP INDICATOR	ENGINE COOLANT TEMPERATURE GAUGE	CRUISE	SIDRIVE [I] INDICATOR	SHIFT INDICATOR	REMAINING FUEL GAUGE	TACHOMETER	DOOR	SEAT BELT	OTHER WARNING INDICATIONS	
VDC Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	○	○	○	△	○		○	○				○		○				○						△						
VDC Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	○	○	○	△				(*6)					(*6)				○						△							
KPS Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	○																													
KPS Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	○																													
AHL Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	○				○																									
AHL Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	○																													
BIU (VDC side) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	○	○	○	△	○		○	○				○		○				○					△							
BIU (VDC side) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	○		○					○					○				○						△							
BIU (ECM side) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	○	○	○	△			○	○				○	○				○						△				×		(*7)	
BIU (ECM side) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	○		○					○					○				○						△							
MFD Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	○																												(*8)	
MFD Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	○																													
A/C Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	○	○																											(*9)	
A/C Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	○																													
MET Vicinity	Hi side Lo side	Open circuit	Trouble exists	(*1)	Intermittent ○ (*4)	Intermittent ○ (*4)	Intermittent △	Sometimes occurs ○		(*2)	Intermittent ○ (*4)	Intermittent ○ (*4)	Intermittent ○ (*4)	Intermittent ○ (*4)	Intermittent ○ (*4)	Intermittent ○ (*4)	Intermittent ○ (*4)	Intermittent ○ (*4)	Intermittent ○ (*4)	Intermittent ○ (*4)				(*3)	△ Sometimes occurs ×	Sometimes occurs ○	Sometimes occurs ×	Sometimes occurs 0rpm				(*10)	
MET Vicinity	Both sides	Open circuit	Trouble exists	×	○	○		○		(*5)	○		○	○	○		○			○				Red/ Blue △	△	×	×	×				(*11)	
MET Vicinity	Hi side	Open circuit	Trouble existed	○		○														○						△							
STR Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	○							○					○				△ (○)													
STR Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	○							○									○													
TCM (MAIN) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	×	○	○					○					○				○						△	×					(*12)	
TCM (MAIN) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	○		○					○					○				○						△							

LAN01419

List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

○ : Illuminate △ : Blink x : Off

Control module	Condition			Indicator																													
	Detailed location	Trouble mode	Vehicle status	READY	HYBRID	CHECK ENGINE	AT OIL TEMP	AUTO HEADLIGHT BEAM LEVELER	AIRBAG	BRAKE	VDC	AUTO START STOP	EMPTY	CHARGE WARNING	VDC OFF	OIL PRESSURE	ABS	EPS	AWD	HILL HOLD	ACCESS KEY WARNING	SECURITY INDICATOR	AUTO START STOP INDICATOR	ENGINE COOLANT TEMPERATURE GAUGE	CRUISE	SI DRIVE [I] INDICATOR	SHIFT INDICATOR	REMAINING FUEL GAUGE	TACHOMETER	DOOR	SEAT BELT	OTHER WARNING INDICATIONS	
A/B Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	○	○				○																								
A/B Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	○																													
HPCM (MAIN) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	x	○	○	△			○	○			○			○			○						△							(*13)
HPCM (MAIN) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	x	○	○					○						○			○						△							(*14)
EPS Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	○	○													○															
EPS Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	○																													
ECM (MAIN) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	x	○	○	○ (△)				○		○				○	○	○	○		△		Red/Blue △		△		x	0rpm				(*14)
ECM (MAIN) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	○	○	○					○						○			○		△				△							
ECM (PU) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	x	○	○	△				○						○			○						△							(*14)
ECM (PU) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	○		○					○						○			○						△							
TCM (PU) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	x	○	○	△				○						○			○						△							(*14)
TCM (PU) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	x	○	○					○						○			○						△							(*14)
HPCM (PU) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	x	○	○	△				○						○			○						△							(*14)
HPCM (PU) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	x	○	○					○						○			○						△							(*14)
HPCM (HPCM) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	x	○	○	△				○			○			○			○													(*15)
HPCM (HPCM) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	x	○	○					○						○			○													
EOP Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	○	○		△				○						○			○													
EOP Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	○	○						○						○			○													
BECM Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	x	○																												(*16)
BECM Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	x	○																												
DMCM Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	x	○		△				○						○			○													(*14)
DMCM Vicinity	Hi side Lo side Both sides	Open circuit	Trouble existed	x	○		△				○						○			○													

LAN01420

List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

3. CAN communication circuit is shorted (DTC)

NOTE:

- If the module has a limit of DTC memory and the number of DTC occurrence exceeds the limit, older DTCs are preferentially stored.
- When there is no description in Current, it is referred to as “None”.
- When DTC is in parentheses, it is referred to as “Not always occur”.
- “Trouble exists” is referred to as the status before performing inspection and repair. “Trouble existed” is referred to as the status before performing DTC clear after repair.

*1: When U0073 occurs, other U-codes are not stored. (Judge timing affects the storing order.)

*2: The number of DTC memory is limited to 8 items.

*3: All types of DTCs can be simultaneously stored.

*4: All types of DTCs can be simultaneously stored. When U0073 occurs, other U-codes are not stored.

*5: The number of DTC memory is limited to 4 items. (when the 5 or more DTC occurs, these will be memorized on memory areas from 2nd to 4th.)

*6: The number of DTC memory is limited to 5 items. (Older items are preferentially stored.)

*7: The number of DTC memory is limited to 2 items. (Older items are preferentially stored.)

List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

Condition				DTC reading result from each module using Subaru Select Monitor													
Control module	Detailed location	Trouble mode	Vehicle status	ECM (*1)	TCM (*1)	VDC (*1)	BIU (*2)	A/B (*3)	A/C (*4)	EPS (*1) (*5)	KPS (*3)	MET (*6)	MFD (*7)	DMCM (*3)	HPCM (*3)	BECM (*3)	AHL (*3)
MAIN-CAN Option Vicinity	Hi side	GND-output short	Trouble exists	Communication failure	Communication failure	Communication failure	Communication failure	Communication failure	Communication failure	Current C2543 Latest C2543 U0073	Communication failure	Communication failure	Communication failure	Communication failure	Communication failure	Communication failure	Communication failure
	Hi side Lo side	Power supply-output short															
	Between wire	Short circuit															
MAIN-CAN Option Vicinity	Hi side	GND-output short	Trouble existed	Past U0073	Past U0073 U0100 U0122 U0131 U0140 U0155 U1235 U0293	Current C1424 (C1431) Past C1424 (C1431) U0073	Past U0073 U0100 U0101 U0122 U0155 U0164 U0327 U1201	Past U0073	Past U0073	Latest C2543 U0073	Past U0073	Past U0073 U0100 U0101 U0122 U0131 U0140 U0151 U0164 U0293 U0327 U1120 Any 5 items from above	Past U1201 U1650	Current None Past None	Past U0073 U0100 U0101 U0122 U0131 U0140 U0151 U0164 U1235	Current None Past None	Past U0122 U0140
	Hi side Lo side	Power supply-output short															
	Between wire	Short circuit															
PU-CAN Option Vicinity	Hi side	GND-output short	Trouble exists	Current U0075 Past Same as above	Current U0075 U0110 U0287 U1100 U1293 Past Same as above	Current C1424 C1431 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current U0075 U1100 U1101 Past Same as above	Current None Past None	Current None Past None
	Hi side Lo side	Power supply-output short															
	Between wire	Short circuit															
PU-CAN Option Vicinity	Hi side	GND-output short	Trouble existed	Past U0075	Past U0075 U0110 U0287 U1100 U1293	Current C1424 C1431 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Past U0075 U1100 U1101	Current None Past None	Current None Past None
	Hi side Lo side	Power supply-output short															
	Between wire	Short circuit															
HEV-CAN Option Vicinity	Hi side	GND-output short	Trouble exists	Current None Past None	Current U0110 U0287 Past Same as above	Current C1431 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Communication failure	Current U0076 U0110 U0111 U0287 Past Same as above	Communication failure	Current None Past None
	Hi side Lo side	Power supply-output short															
	Between wire	Short circuit															
HEV-CAN Option Vicinity	Hi side	GND-output short	Trouble existed	Current None Past None	Past U0110 U0287	Current C1431 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Past U0076 U0111 U1290	Past U0076 U0110 U0111 U0287	Past U0076 U0110 U1290	Current None Past None
	Hi side Lo side	Power supply-output short															
	Between wire	Short circuit															
Option Vicinity	Lo side	GND-output short	Trouble exists/ Trouble existed	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None

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List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

4. CAN communication circuit is shorted (indicator)

NOTE:

“Trouble exists” is referred to as the status before performing inspection and repair. “Trouble existed” is referred to as the status before performing DTC clear after repair.

*1: Only when C1431 remains in VDC.

*2: Although some U codes or warning light illumination related to these code may occur, because the noise resistance are weakened, identifying the faulty portion is impossible if the tester check are not used.

*3: Engine, motor and BATT icon in MFD is disappeared. (wallpaper is only displayed)

*4: Engine orange frame is disappeared.

*5: Remaining battery capacity in MFD is 0 (0 is displayed in normal condition).

List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

Control module	Detailed location	Trouble mode	Vehicle status	READY	HYBRID	CHECK ENGINE	AT OIL TEMP	AUTO HEADLIGHT BEAM LEVELER	AIRBAG	BRAKE	VDC	AUTO START STOP	EMPTY	CHARGE WARNING	VDC OFF	OIL PRESSURE	ABS	EPS	AWD	HILL HOLD	ACCESS KEY WARNING	SECURITY INDICATOR	AUTO START STOP INDICATOR	ENGINE COOLANT TEMPERATURE GAUGE	CRUISE	SI DRIVE	SHIFT INDICATOR	REMAINING FUEL GAUGE	TACHOMETER	DOOR	SEAT BELT	OTHER WARNING INDICATIONS
MAIN-CAN Option Vicinity	Hi side	GND-output short	Trouble exists	Off	Illumi-nate	Illumi-nate		Illumi-nate	Illumi-nate	Red and orange illumina-te	Illumi-nate		Illumi-nate	Illumi-nate	Illumi-nate		Illumi-nate	Illumi-nate		Illumi-nate				Red/Blue blinks		i blink	Off	Off	0rpm	Off		(*3)
	Hi side Lo side	Power supply-output short																														
	Between wire	Short circuit																														
MAIN-CAN Option Vicinity	Hi side	GND-output short	Trouble existed	Illumi-nate	Illumi-nate (*1)	Illumi-nate	Blink				Illumi-nate (*1)									Illumi-nate						i blink						
	Hi side Lo side	Power supply-output short																														
	Between wire	Short circuit																														
PU-CAN Option Vicinity	Hi side	GND-output short	Trouble exists	Off	Illumi-nate	Illumi-nate	Blink				Illumi-nate						Illumi-nate			Illumi-nate						i blink					(*4)	
	Hi side Lo side	Power supply-output short																														
	Between wire	Short circuit																														
PU-CAN Option Vicinity	Hi side	GND-output short	Trouble existed	Illumi-nate	Illumi-nate	Illumi-nate					Illumi-nate						Illumi-nate			Illumi-nate						i blink						
	Hi side Lo side	Power supply-output short																														
	Between wire	Short circuit																														
HEV-CAN Option Vicinity	Hi side	GND-output short	Trouble exists	Off	Illumi-nate		Blink				Illumi-nate						Illumi-nate			Illumi-nate											(*4) (*5)	
	Hi side Lo side	Power supply-output short																														
	Between wire	Short circuit																														
HEV-CAN Option Vicinity	Hi side	GND-output short	Trouble existed	Off	Illumi-nate						Illumi-nate						Illumi-nate			Illumi-nate												
	Hi side Lo side	Power supply-output short																														
	Between wire	Short circuit																														
Option Vicinity	Lo side	GND-output short (*2)	Trouble exists/ Trouble existed	Illumi-nate																												

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