

List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

1. CHECK USING THE DTC CHECK SHEET

DTC check sheet

	(A)	(B)	(C)												(D)														
			U0073	U0100	U0101	U0122	U0140	U0151	U0164	U0131	U0327	U0155	U0156	U0181	U0126	U1135	U0401	U0402	U0416	U0422	U0452	U0424	U0420	U0427	U0423	U0457	U0482	U0428	U1436	U1201
		EGI	CVT	VDC	BIU	A/B	A/C	EPS	KPS	MET	MFD	HL	STR	DCCD	EGI	CVT	VDC	BIU	A/B	A/C	EPS	KPS	MET	MFD	HL	STR	DCCD	CAN-HS	
VDC		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HL			-	-			-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-
KPS							-	-	-		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-
BIU					-	-		-			-	-	-	-	-		-	-	-				-	-	-	-	-	-	-
MFD			-	-	-	-	-	-		-		-	-	-	-			-	-	-	-	-		-	-	-	-	-	
A/C						-	-	-	-	-	-	-	-	-	-			-	-	-	-	-		-	-	-	-	-	-
MET									-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STR		-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CVT				-		-		-	-		-	-	-	-	-			-		-	-		-	-	-	-	-	-	-
A/B			-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
EPS				-		-	-	-	-		-		-	-	-			-	-	-	-	-	-	-	-	-	-	-	-
DCCD			-				-	-	-	-	-	-	-	-	-			-	-	-	-		-	-	-	-	-	-	-
EGI			-				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-

LAN01467

LAN01467

(A) Installation check

(B) Bus off detection

(C) Data no-receive detection

(D) Data abnormal detection

VDC: VDC CM

BIU: Body integrated unit

MFD: High grade MFD

A/C: A/C control panel

MET: Combination meter

KPS: Keyless access CM

EPS: Electric power steering CM

STR: Steering angle sensor

CVT: TCM

A/B: AB CM

DCCD: DCCD CM

EGI: ECM

HL: Auto headlight beam leveler 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(diag)-13, 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(diag)-73, EXAMPLE OF DTC DATA NOT RECEIVED, LIST, List of Diagnostic Trouble Code (DTC).> <Ref. to LAN(diag)-75, DTC MATRIX, LIST, List of Diagnostic Trouble Code (DTC).>

List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

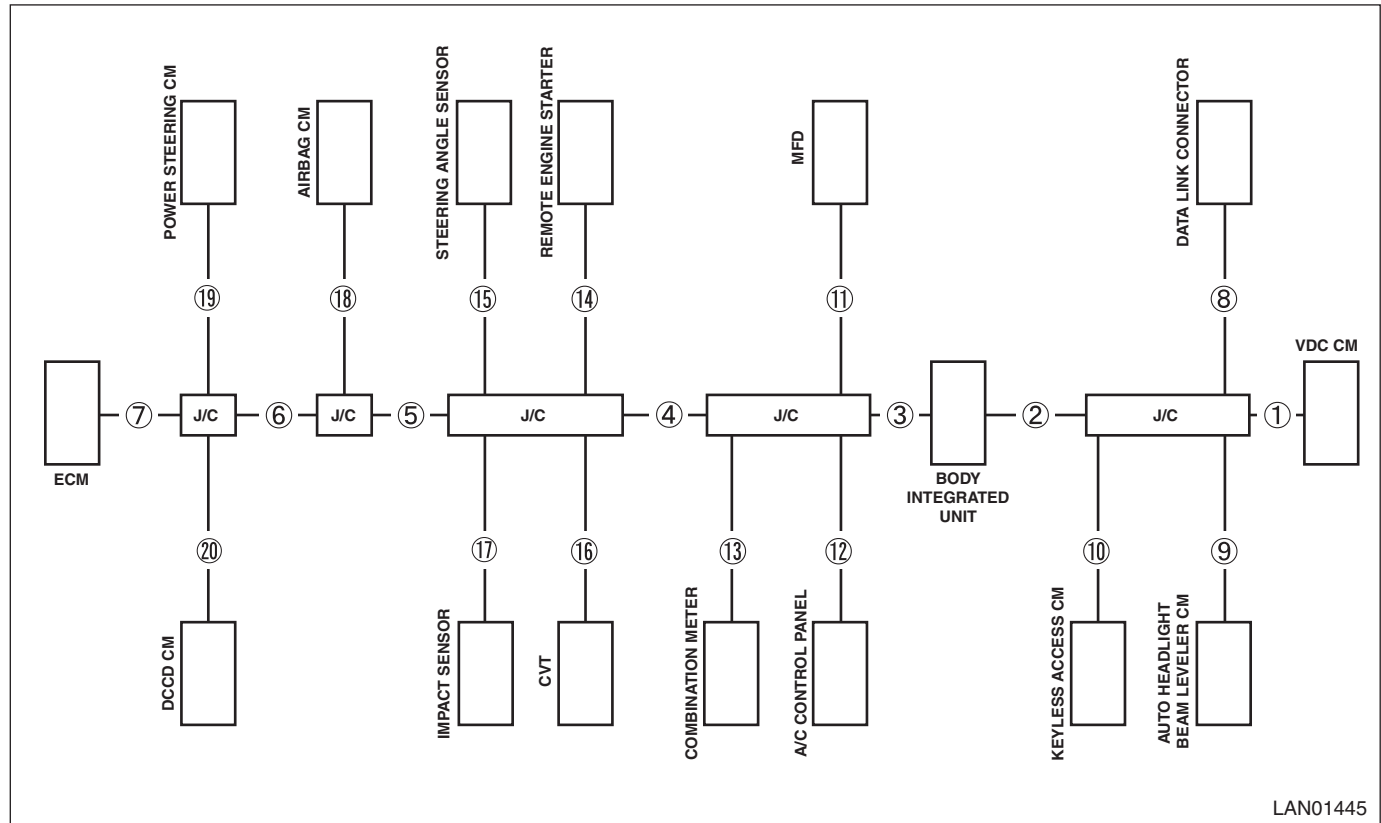
3) Data abnormal detection

NOTE:

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.

2. EXAMPLE OF DTC DATA NOT RECEIVED



List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

- Vicinity of No. 7 ECM (engine type: EJ)

	(A)	(B)	(C)											(D)																
			U0073	EGI	CVT	VDC	BIU	A/B	A/C	EPS	KPS	MET	MFD	HL	STR	DCCD	EGI	CVT	VDC	BIU	A/B	A/C	EPS	KPS	MET	MFD	HL	STR	DCCD	CAN-HS
				U0100	U0101	U0122	U0140	U0151	U0164	U0131	U0327	U0155	U0156	U0181	U0126	U1135	U0401	U0402	U0416	U0422	U0452	U0424	U0420	U0427	U0423	U0457	U0482	U0428	U1436	U1201
VDC		-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HL			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
KPS			X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BIU			X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MFD			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A/C			X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MET			X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
STR		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CVT			X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A/B			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
EPS			X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
DCCD			X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
EGI			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

LAN01469

- Vicinity of No. 15 steering angle sensor

	(A)	(B)		(C)												(D)														
		U0073	U0100	EGI	CVT	VDC	BIU	A/B	A/C	EPS	KPS	MET	MFD	HL	STR	DCCD	EGI	CVT	VDC	BIU	A/B	A/C	EPS	KPS	MET	MFD	HL	STR	DCCD	CAN-HS
				U0101	U0122	U0140	U0151	U0164	U0131	U0327	U0155	U0156	U0181	U0126	U1135	U0401	U0402	U0416	U0422	U0452	U0424	U0420	U0427	U0423	U0457	U0482	U0428	U1436	U1201	
VDC		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HL			-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KPS							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BIU						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MFD			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A/C							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MET											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STR		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CVT				-			-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A/B			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPS				-		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DCCD				-			-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGI			-				-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LAN01468

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 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.
- “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.

Condition				DTC reading result from each module using Subaru Select Monitor												
Control module	Detailed location	Trouble mode	Vehicle status	EGI	CVT	VDC	BIU	A/B	A/C	EPS	KPS	MET	MFD	HL	STR	DCCD
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 Past Same as above	Current U0122 Past Same as above	Current U0122 Past Same as above	Current None Past None	Current U0122 Past Same as above	Current None Past None	Current U0122 Past Same as above
			Trouble existed	Current None Past U0122	Current None Past U0122	Current None Past U0073 U0100 U0126 U0140	Current None Past U0122	Current None Past None	Current None Past U0122	Current None Past U0122	Current None Past U0122	Current None Past U0122	Current None Past None	Current None Past U0122	Current None Past None	Current 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 Past None	Communication failure	Current U0327 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Past None
			Trouble existed	Current None Past None	Current None Past None	Current None Past None	Current None Past U0327	Current None Past None	Current None Past None	Current None Past None	Current None Past U0100 U0101 U0122 U0140 U0155	Current None Past U0327	Current None Past None	Current None Past None	Current None Past None	Current None Past None
HL 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 Past None	Current None Past None	Current U0181 Past Same as above	Current None Past None	Communication failure	Current None Past None	Current None Past None
			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 U0181	Current None Past None	Current None Past U0122 U0140	Current None Past None	Current None Past None
BIU (VDC side) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Communication failure	Communication failure	Current U0073 U0100 U0101 U0126 U0140 Past Same as above	Communication failure	Communication failure	Communication failure	Communication failure	Current U0100 U0101 U0140 U0155 Past Same as above	Communication failure	Communication failure	Current U0140 Past Same as above	Communication failure	Communication failure
			Trouble existed	Current None Past U0122	Current None Past U0122	Current None Past U0073 U0100 U0101 U0126 U0140	Current None Past U0122 U0327	Current None Past None	Current None Past U0122	Current None Past U0122	Current None Past U0100 U0101 U0140 U0155	Current None Past U0122 U0327	Current None Past None	Current None Past U0140	Current None Past None	Current None Past U0122
BIU (EGI side) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Communication failure	Communication failure	Current U0100 U0101 U0126 Past Same as above	Current U0100 U0101 U0164 U0155 Past Same as above	Communication failure	Communication failure	Communication failure	Current U0100 U0101 U0155 Past Same as above	Communication failure	Communication failure	Current None Past None	Communication failure	Communication failure
			Trouble existed	Current None Past U0122 U0140	Current None Past U1235 U0122 U0140	Current None Past U0100 U0101 U0126	Current None Past U0100 U0101 U0164 U0155	Current None Past None	Current None Past U0122 U0140	Current None Past U0122	Current None Past U0100 U0101 U0155	Current None Past U0122 U0140	Current None Past None	Current None Past None	Current None Past None	Current None Past U0122 U0140

LAN01470

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	EGI	CVT	VDC	BIU	A/B	A/C	EPS	KPS	MET	MFD	HL	STR	DCCD
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 Past None	Current None Past None	Current None Past None	Communication failure	Current None Past None	Current None Past None	Current None Past None
			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 U0073 U1201	Current None Past None	Current None Past None	Current None Past None
A/C Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Current None Past None	Current U0164 Past Same as above	Current None Past None	Current U0164 Past Same as above	Current None Past None	Communication failure	Current None Past None	Current None Past None	Current U0164 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Past None
			Trouble existed	Current None Past None	Current None Past U0164	Current None Past None	Current None Past U0164	Current None Past None	Current None Past U0073 U0100 U0155 U0140 U0122	Current None Past None	Current None Past None	Current None Past U0164	Current None Past None	Current None Past None	Current None Past None	Current None Past None
MET Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Current U0155 Past Same as above	Current U0155 Past Same as above	Current None Past None	Current U0155 Past Same as above	Current None Past None	Current U0155 Past Same as above	Current U0155 Past Same as above	Current U0155 Past Same as above	Communication failure	Current None Past None	Current None Past None	Current None Past None	Current U0155 Past Same as above
			Trouble existed	Current None Past U0155	Current None Past U0155	Current None Past None	Current None Past U0155	Current None Past None	Current None Past U0155	Current None Past U0155	Current None Past U0155	Current None Past U0073 U0100 U0122 U0131 U0140 U0151	Current None Past None	Current None Past None	Current None Past None	Current None Past U0155
STR Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Current None Past None	Current None Past None	Current U0126 Past None	Current None Past None	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 Past None	Communication failure	Current None Past None
			Trouble existed	Current None Past None	Current None Past None	Current None Past U0126	Current None Past None	Current None Past None	Current None Past None	Current None Past U0126	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None	Current None Past None
CVT Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Current U0101 Past Same as above	Communication failure	Current None Past None	Current U0101 Past Same as above	Current None Past None	Current U0101 Past Same as above	Current None Past None	Current U0101 Past Same as above	Current U0101 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Past None
			Trouble existed	Current None Past U0101	Current None Past U0100 U0122 U0140 U0155	Current None Past None	Current None Past U0101	Current None Past None	Current None Past U0101	Current None Past None	Current None Past U0101	Current None Past U0101	Current None Past None	Current None Past None	Current None Past None	Current None Past None

LAN01471

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	EGI	CVT	VDC	BIU	A/B	A/C	EPS	KPS	MET	MFD	HL	STR	DCCD
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 Past None	Current None Past None	Current U0151 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current None Past None
			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 U0151	Current None Past None	Current None Past None	Current None Past None	Current None Past None
EPS 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	Communication failure	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
			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 U0122 U0126 U0073	Current None Past None	Current None Past U0131	Current None Past None	Current None Past None	Current None Past None	Current None Past None
DCCD 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 Past None	Current None Past None	Current U1135 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Communication failure
			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 U1135	Current None Past None	Current None Past None	Current None Past None	Current None Past U0073 U0100 U0122 U0140 U0155 U1201
EGI Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	Communication failure	Current U0100 Past Same as above	Current U0100 Past Same as above	Current U0100 Past Same as above	Current None Past None	Current U0100 Past Same as above	Current None Past Same as above	Current U0100 Past Same as above	Current U0100 Past Same as above	Current None Past None	Current None Past None	Current None Past None	Current U0100 Past Same as above
			Trouble existed	Current None Past U0073	Current None Past U0100	Current None Past U0100	Current None Past U0100	Current None Past None	Current None Past U0100	Current None Past None	Current None Past U0100	Current None Past U0100	Current None Past None	Current None Past None	Current None Past None	Current None Past U0100

LAN01472

List of Diagnostic Trouble Code (DTC)

LAN SYSTEM (DIAGNOSTICS)

2. CAN communication circuit 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.

○ : Illuminate △ : Blink × : Off

Condition			Indicator																			Condition			Indicator																		
Control module	Detailed location	Trouble mode	Vehicle status	CHECK ENGINE	AT OIL TEMP	AUTO HEADLIGHT BEAM LEVELER	AIRBAG	BRAKE	VDC	EMPTY	CHARGE WARNING	VDC OFF	OIL PRESSURE	ABS	EPB	EPS	AWD	HILL HOLD	ACCESS KEY WARNING	SECURITY INDICATOR	REMAINING FUEL GAUGE	Control module	Detailed location	Trouble mode	Vehicle status	CHECK ENGINE	AT OIL TEMP	AUTO HEADLIGHT BEAM LEVELER	AIRBAG	BRAKE	VDC	EMPTY	CHARGE WARNING	VDC OFF	OIL PRESSURE	ABS	EPB	EPS	AWD	HILL HOLD	ACCESS KEY WARNING	SECURITY INDICATOR	REMAINING FUEL GAUGE
VDC Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	○				○	○			○		○				○					MET Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	○			○	○	○			○	○		○				○	
			Trouble existed																								Trouble existed																×
SMT Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists																				STR Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists					○								○				
			Trouble existed																								Trouble existed																
AHL Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists		○																		CVT Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	○	△			○							△	○				
			Trouble existed																								Trouble existed																
BIU (VDC side) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	○	△			○	○									○					A/B Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists				○													
			Trouble existed																								Trouble existed																
BIU (EGI side) Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	○	△			○	○		○							○					EPS Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists												○					
			Trouble existed																								Trouble existed																
MFD Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists																				DCCD Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists													△				
			Trouble existed																								Trouble existed																
A/C Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists																				EGI Vicinity	Hi side Lo side Both sides	Open circuit	Trouble exists	○	△			○	○	○						○				
			Trouble existed																								Trouble existed																

LAN01473