

2013 PACCAR MX-13

Diagnostic Service Manual EPA2013

(U1575 to U1821)



Index

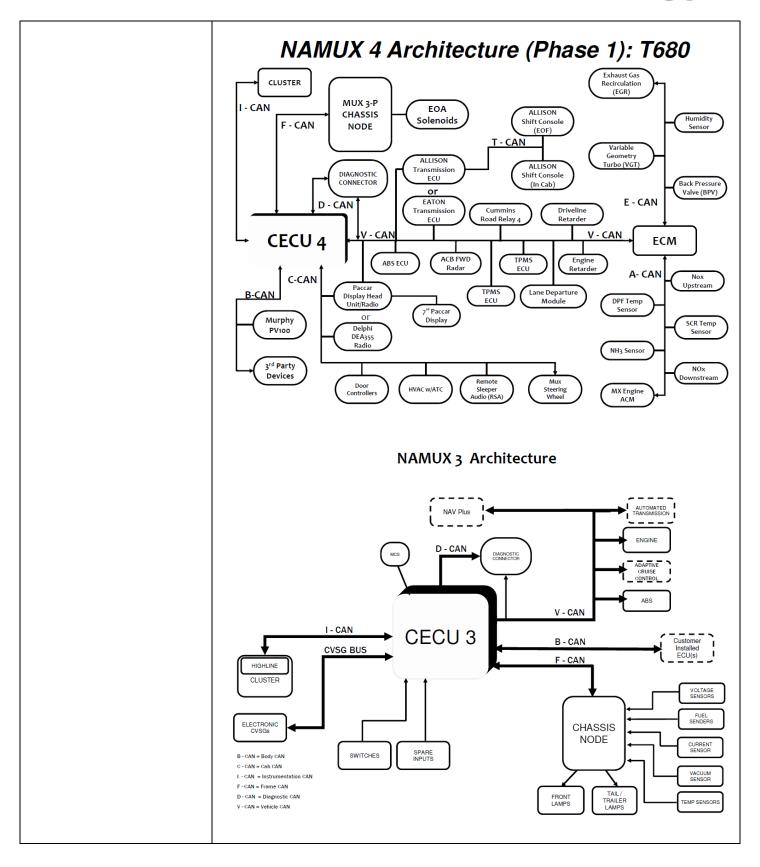
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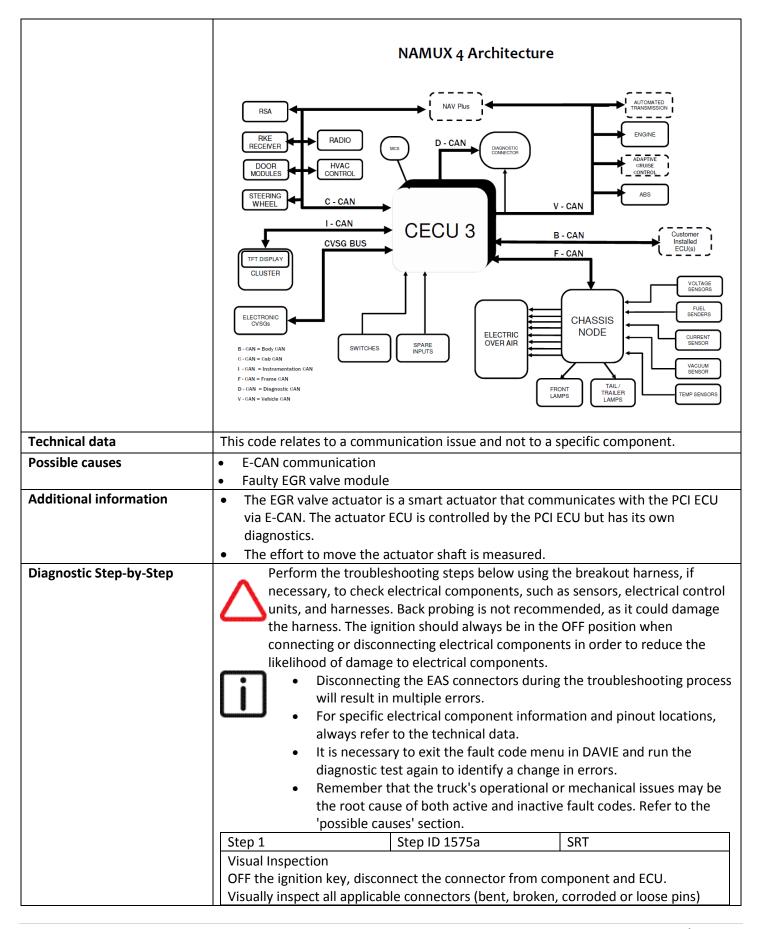


Code number	U1575		
Fault code description	EGR valve module effort – Data erratic, intermittent, or incorrect		
Fault code information	1 trip MIL		
	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code	The PCI ECU (D420) receives a CAN message from the EGR valve module (L095) that		
	contains an out-of-range value for the actuator effort.		
Reset condition of fault code	This DTC changes to inactive after the ignition is keyed off for at least 15 seconds,		
	keyed on again, and the fault is no longer detected.		
Electrical diagram(s)			
	NAME OF THE STATE		
	NAMUX 3 Architecture: 2010 B-Cab		
	FIREWALL Aftertreatment CAN		
	Cluster Cab CAN CECU 3 Diagnostic CAN AUTO (TRANSMISSION) ABS CONTECTOR PACCAR Display Vehicle CAN After-treatment DCU Voltage Sensors FUEL Senders CUBRENT CUBRENT		
	SWITCHES Frame CAN CHASSIS PRESSURE SENSOR VACUUM SENSOR TAIL / TEMP SENSORS FRONT LAMPS TRAILER LAMPS		









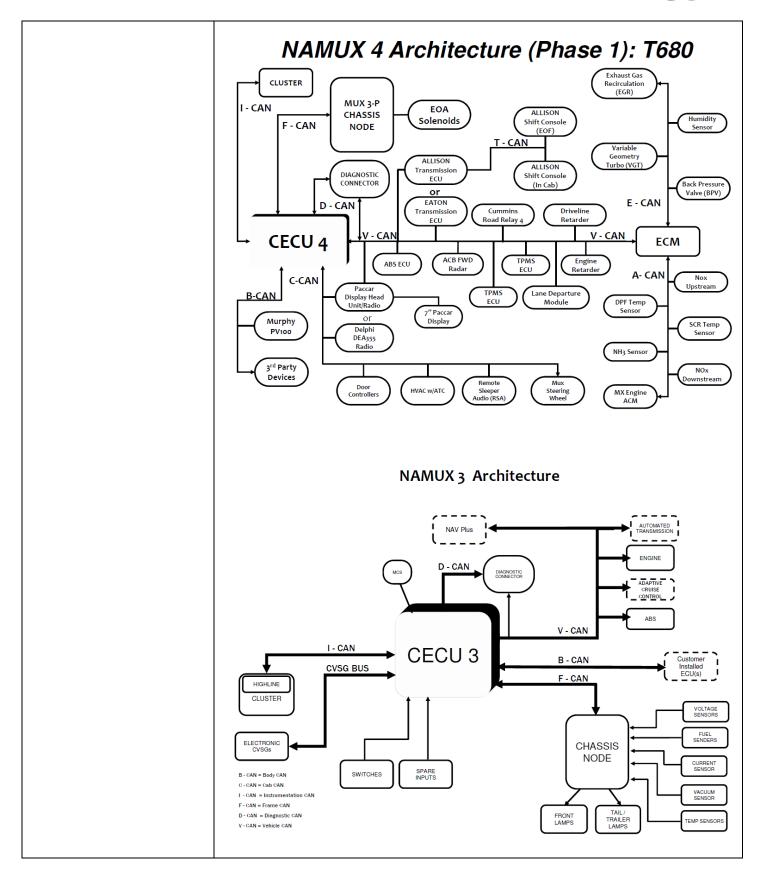


	damage to wire ha	arness, sign of exhaust leaks dur	ing each step of the diagnostic	
	procedure.	incess, sign of extraust reaks dur	ing each step of the diagnostic	
	'	ce of any of the above?		
		No: Proceed to step 2.		
		neck for the presence of active f		
		ted fault is no longer active, the		
		<u> </u>		
	• II this reia	ted fault is still active, Proceed t	o step 2	
	Step 2	Step ID 1575b	SRT	
	Data check	3tep 10 1373b	31(1	
		n the technical data of the speci	fic system	
		p the technical data of the speci	-	
		m the checking data test of the	specific component	
	Is test pass?			
		roceed to step 3		
	• Yes : F	Proceed to step 4		
	Step 3	Step ID 1575c	SRT	
			31(1	
	Repair or replace component Repair or replace the component, also check for electrical connection and			
	wiring harness.			
	Reconnect the connector			
	ON the ignition key			
	Use DAVIE to re-check for the presence of active faults:			
	Is DTC fault active: Proceed to step 4			
	Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault			
	13 15 16 188	it mactive. issue resolved. Clear	mactive radic	
	Step 4	Step ID 1575d	SRT	
	For further assistance in diagnosing this issue or for confirmation prior to the			
	replacement of suspect components, contact the Engine Support Call Center at			
	1-800-477-0251.	speed components, contact the	Engine Support Can Center at	
Verification Drive Cycle	To verify the repair:	•		
Confidence of the Cycle	· · · · · · · · · · · · · · · · · · ·		n with the engine off, and allow 10	
		tem to initialize and run diagnos	_	
		, start the engine and allow it to		
	TTILL DI GRES SCI	, start the engine and anow it to	Back to Choose Code	
			Back to Index	
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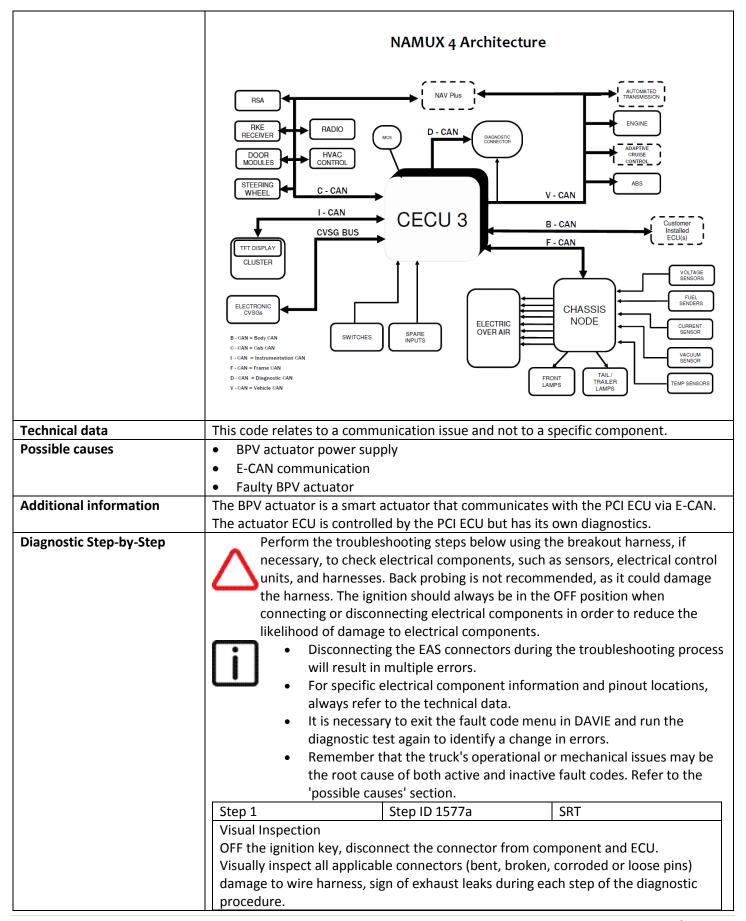


Code number	U1577		
Fault code description	BPV actuator – CAN Communication error – Message rate too low		
Fault code information	1 trip MIL		
	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code	The PCI ECU (D420) lost communication with the BPV actuator (L020).		
Reset condition of fault code	This DTC changes to inactive after the ignition is keyed off for at least 15 seconds,		
	keyed on again, and the fault is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab		
	FIREWALL Aftertreatment CAN		
	STEERING WHEEL TRANSMISSION ENGINE		
	MCS DIAGNOSTIC ABS TADAPTIVE CRUSE C		
	CONNECTOR		
	PACCAR Display Engine CAN V		
	Cluster Cab CAN VGT Actuator		
	After-treatment		
	CECU 3 Vehicle CAN		
	CVSG BUS VOLTAGE SENSORS		
	! FUEL		
	ELECTRONIC SENDERS		
	CVSG's CURRENT SENSOR		
	SWITCHES Frame CAN CHASSIS PRESSURE SENSORS		
	SPARE INPUTS VACUUM SENSOR		
	FRONT TAIL TEMP SENSORS		
	FIREWALL LAMPS TRAILER LAMPS		
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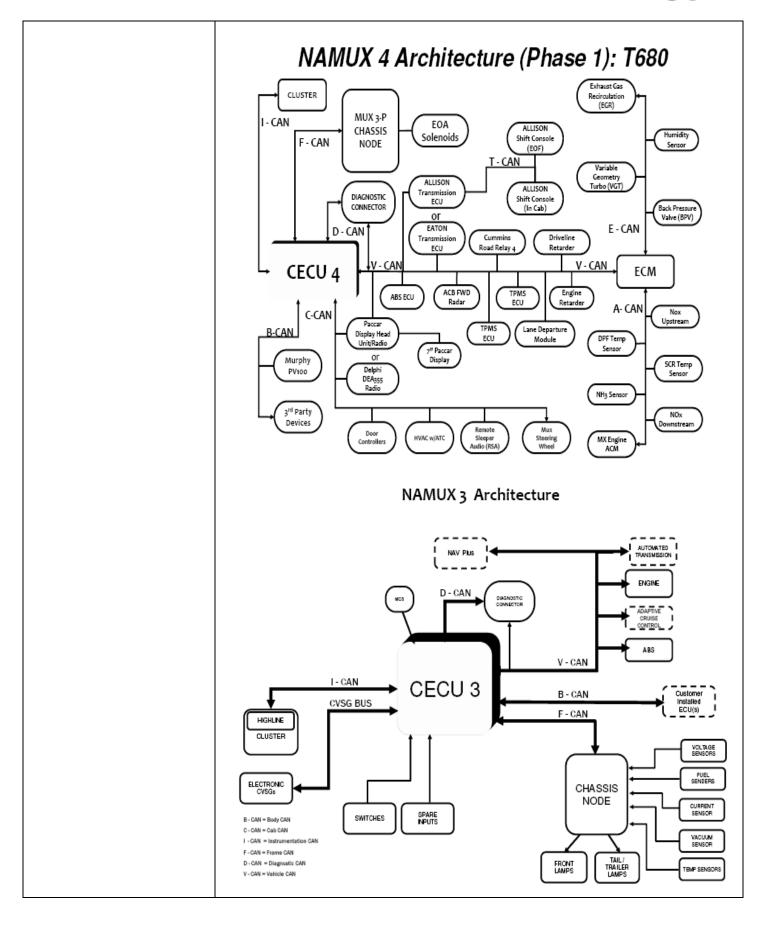


	Was there evidence of any of the above?			
	No: Pro	oceed to step 2.		
	Yes: Ma	Yes: Make the appropriate repairs or component replacements.		
	Use DAVIE to re-check for the presence of active faults.			
	If this related fault is no longer active, then this issue has been resolved.			
	• If this r	elated fault is still active, Procee	d to step 2	
	Step 2	Step ID 1577b	SRT	
	Data check			
		the technical data of the specifi		
	Perforr	n the checking data test of the sp	pecific component	
	Is test pass?			
		oceed to step 3		
	Yes : Pr	roceed to step4		
	Step 3 Step ID 1577c SRT Repair or replace component Repair or replace the component, also check for electrical connection and			
	wiring harness.			
	Reconnect the connector			
	ON the ignition key			
	Use DAVIE to re-check for the presence of active faults:			
	Is DTC fault active: Proceed to step 4 DTC fault invalid active described and active fault.			
	Is DTC fault inactive: Issue resolved. Clear inactive fault			
	Step 4 Step ID 1577d SRT			
	For further assistance in diagnosing this issue or for confirmation prior to the			
	replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251.			
Verification Drive Cycle	To validate the re	pair, with the brakes set, turn th	e key to the ON position with the	
	engine off, and al	low 10 seconds for the system to	initialize and run diagnostics	
	Back to Choose Code			
			Back to Index	

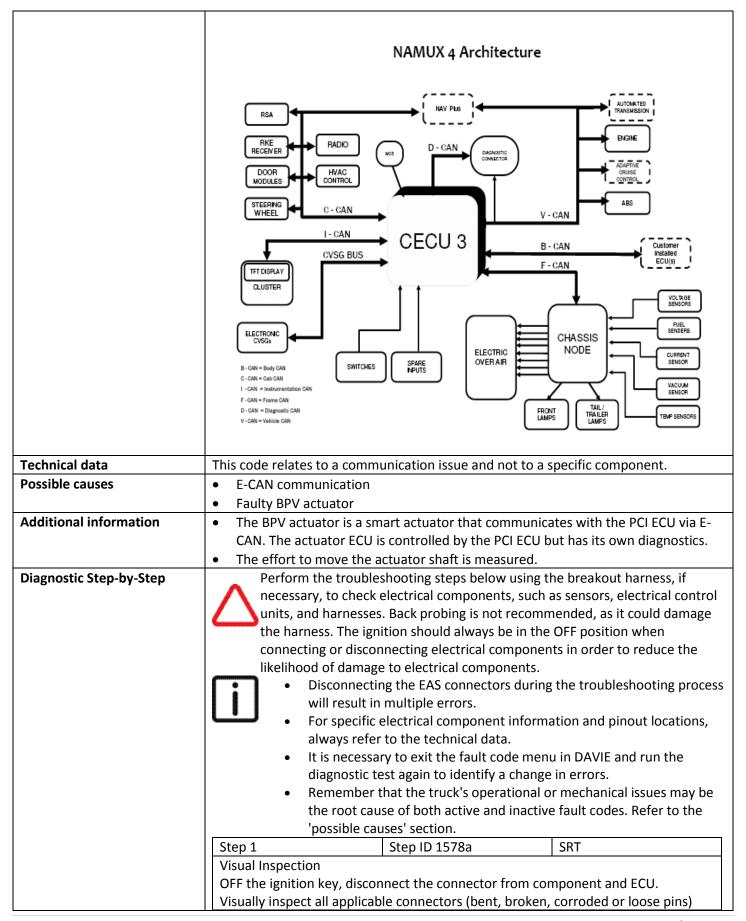


Code number	U1578
Fault code description	BPV actuator effort – Data erratic , intermittent or incorrect
Fault code information	1 trip MIL
	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	This code relates to a communication issue and not to a specific component.
Location of component(s)	This code relates to a communication issue and not to a specific component.
Diagnostic condition	This diagnostic runs continuously when the ignition is on.
Set condition of fault code	The PCI ECU (D420) receives a CAN message from the BPV actuator (L020) that
	contains an out-of-range value for the actuator effort.
Reset condition of fault code	This DTC changes to inactive after the ignition is keyed off for at least 15 seconds,
	keyed on again, and the fault is no longer detected.
Electrical diagram(s)	
	NAMUX 3 Architecture: 2010 B-Cab
	NAMOX 3 ATCHILECTURE. 2010 B-Cab
	FIREWALL Aftertreatment CAN
	Diagnostic CAN
	STEERING TRANSMISSION, ENGINE WHEEL
	MCS ABS ABS GRUSE CRUSE
	DIAGNOSTIC CONNECTOR
	PACCAR LEngine CAN
	Display VgT
	Cluster Cab CAN Actuator
	After-treatment
	Technical CAN CECU 3 Vehicle CAN !
	CVSG BUS SENSORS
	FUEL SENDERS
	ELECTRONIC CVSG's CURRENT
	SWITCHES CAN CHASSIS CHASSIS
	SWITCHES Frame CAN CHASSIS PRESSURE SENSORS
	SPARE INPUTS I SENSOR
	TEMP
	FRONT TRAILER LAMPS SENSORS









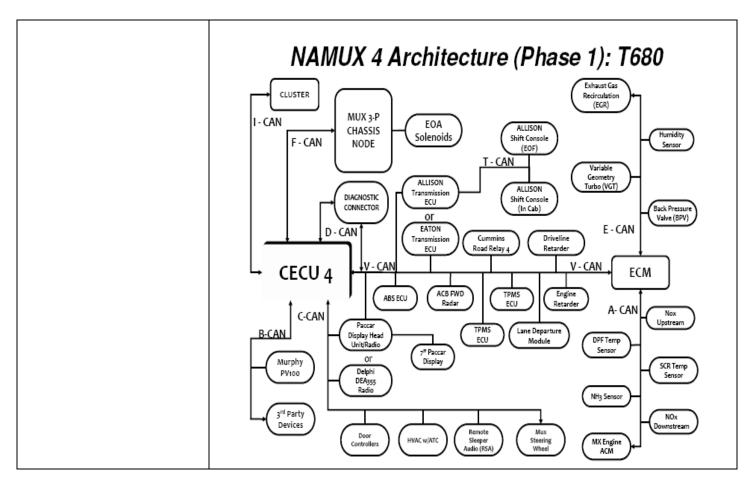


	damage to wire l	narness, sign of exhaust leaks du	ring each step of the diagnostic	
	procedure.	· ·		
	Was there evide	Was there evidence of any of the above?		
	No: Proceed to step 2.			
		check for the presence of active		
		elated fault is no longer active, th		
		elated fault is still active, Proceed		
	Step 2	Step ID 1578b	SRT	
	Data check			
	 Lookup 	the technical data of the specific	system	
	 Perforn 	n the checking data test of the sp	pecific component	
	Is test pass?			
	No: Pro	ceed to step 3		
	• Yes : Pr	oceed to step4		
	Step 3	Step ID 1578c	SRT	
	Repair or replace component			
	Repair or replace the component, also check for electrical connection and			
	wiring harness.			
	Reconnect the connector			
	ON the ignition key			
	Use DAVIE to re-check for the presence of active faults:			
	Is DTC fault active: Proceed to step 4			
	Is DTC fault inactive: Issue resolved. Clear inactive fault			
	Step 4	Step ID 1578d	SRT	
	For further assistance in diagnosing this issue or for confirmation prior to the			
	replacement of suspect components, contact the Engine Support Call Center at			
	1-800-477-0251.			
Verification Drive Cycle			e key to the ON position with the	
	engine off, and allow 10 seconds for the system to initialize and run diagnostics.			
	With the brakes so	et, start the engine and allow it t		
			Back to Choose Code	
			Back to Index	

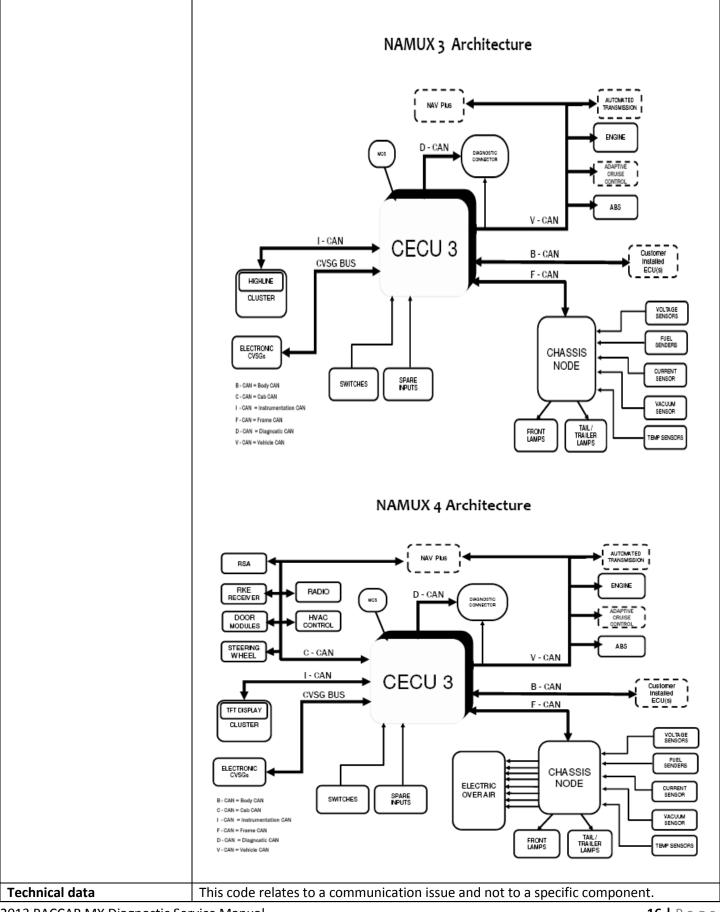


Code number	U1579		
Fault code description	BPV actuator position – Data erratic , intermittent or incorrect		
Fault code information	1 trip MIL		
	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code	The PCI ECU (D420) receives a CAN message from the BPV actuator (L020) that		
	contains an out-of-range value for the actuator shaft position.		
Reset condition of fault code	This DTC changes to inactive after the ignition is keyed off for at least 15 seconds,		
	keyed on again, and the fault is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab		
	NAMON S Architecture. 2010 B-Cab		
	FIREWALL Aftertreatment CAN		
	Diagnostic CAN		
	STEERING WHEEL (TRANSMISSION, ENGINE		
	MCS ABS ABS ABS CRUSE 1		
	DIAGNOSTIC CONNECTOR		
	PACCAR LI Engine CAN		
	Display		
	Cluster Cab CAN Actuator		
	After-treatment		
	Instrumentation CAN Vehicle CAN		
	VOLTAGE		
	CVSG BUS SENSORS		
	FUEL SENDERS		
	ELECTRONIC CURRENT		
	SWITCHES CHASSIS CHASSIS		
	SWITCHES Frame CAN CHASSIS PRESSURE SENSORS		
	SPARE INPUTS I VACOUM SENSOR		
	TEMP		
	FRONT TRAILER LAMPS SENSORS		











Possible causes	E-CAN communication
1 OSSIDIC CAUSES	Faulty BPV actuator
Additional information	 The BPV actuator is a smart actuator that communicates with the PCI ECU via E-CAN. The actuator ECU is controlled by the PCI ECU but has its own diagnostics. The position of the actuator shaft, and therefore the position of the EGR valve, is monitored.
Diagnostic Step-by-Step	Perform the troubleshooting steps below using the breakout harness, if necessary, to check electrical components, such as sensors, electrical control units, and harnesses. Back probing is not recommended, as it could damage the harness. The ignition should always be in the OFF position when connecting or disconnecting electrical components in order to reduce the likelihood of damage to electrical components. • Disconnecting the EAS connectors during the troubleshooting process will result in multiple errors. • For specific electrical component information and pinout locations, always refer to the technical data. • It is necessary to exit the fault code menu in DAVIE and run the diagnostic test again to identify a change in errors. • Remember that the truck's operational or mechanical issues may be the root cause of both active and inactive fault codes. Refer to the
	'possible causes' section.
	Step 1 Step ID 1579a SRT
	Visual Inspection OFF the ignition key, disconnect the connector from component and ECU. Visually inspect all applicable connectors (bent, broken, corroded or loose pins) damage to wire harness, sign of exhaust leaks during each step of the diagnostic procedure. Was there evidence of any of the above? No: Proceed to step 2. Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2
	Step 2 Step ID 1579b SRT
	Data check • Lookup the technical data of the specific system • Perform the checking data test of the specific component Is test pass? • No: Proceed to step 3 • Yes: Proceed to step4
	Step 3 Step ID 1579c SRT
	Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key
	Use DAVIE to re-check for the presence of active faults:



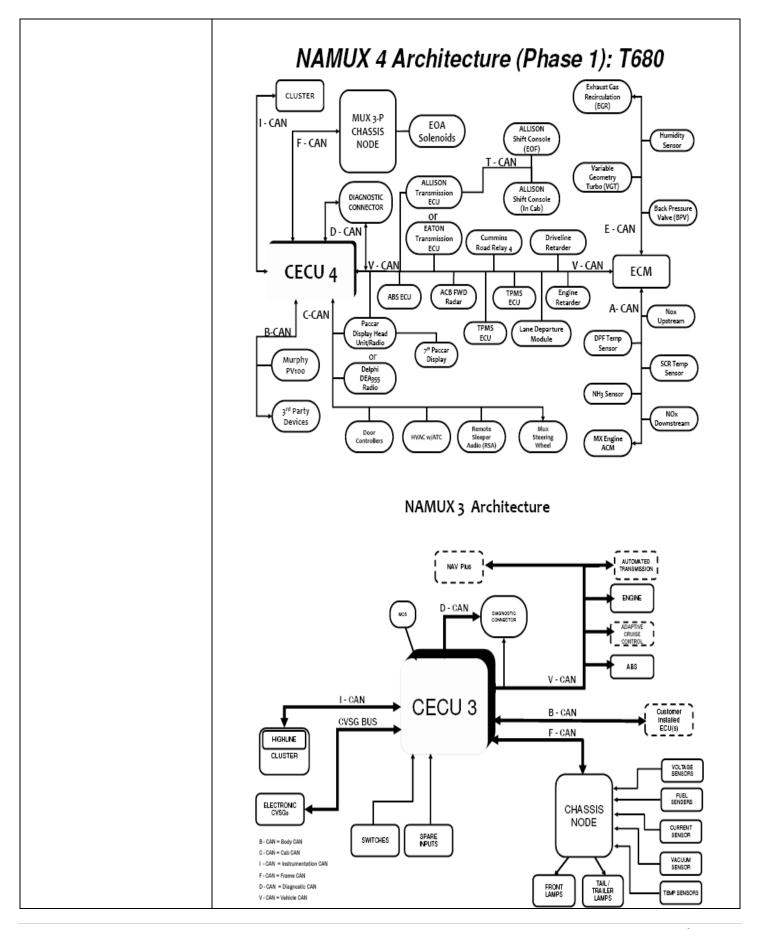
		is 570 factor deliver. However to step 1	
	Step 4	Step ID 1579d	SRT
		ance in diagnosing this issue or four the I uspect components, contact the I	
Verification Drive Cycle	To validate the repair, with the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes.		
		Back to Choose Code	
			Back to Index



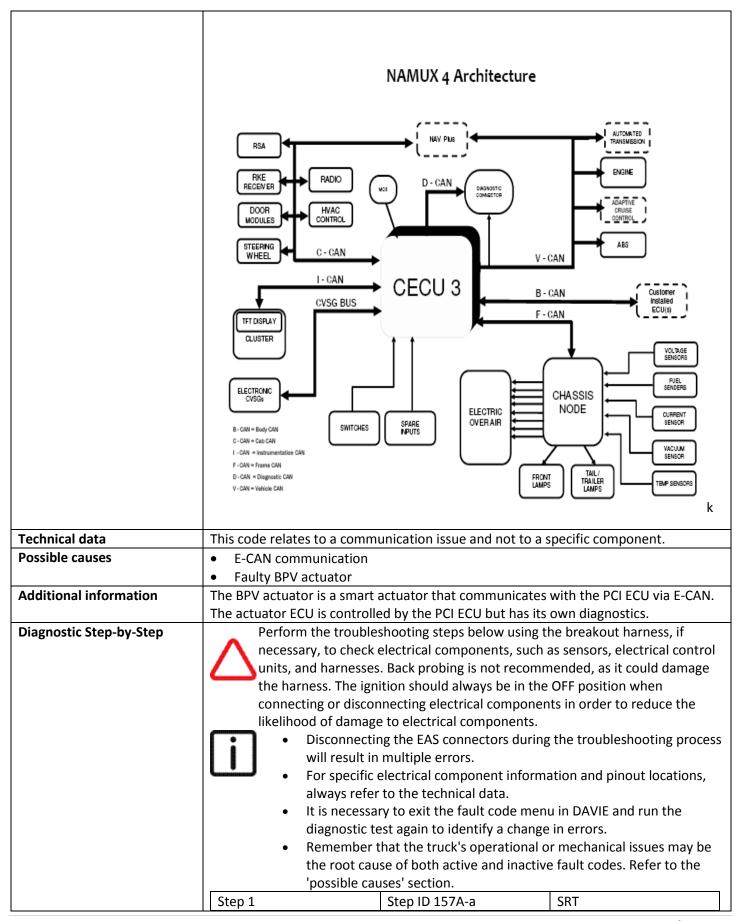
U157A

Code number	U157A
Fault code description	BPV actuator state – Data erratic , intermittent or incorrect
Fault code information	1 trip MIL
Taute code information	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	This code relates to a communication issue and not to a specific component
Location of component(s)	This code relates to a communication issue and not to a specific component
Diagnostic condition	This diagnostic runs continuously when the ignition is on.
Set condition of fault code	The PCI ECU (D420) receives a CAN message from the BPV actuator (L020) that
	contains an out-of-range value for the actuator operating state.
Reset condition of fault code	This DTC changes to inactive after the ignition is keyed off for at least 15 seconds,
	keyed on again, and the fault is no longer detected.
Electrical diagram(s)	, 5 ,
	MANUVOA L'A COLODO L
	NAMUX 3 Architecture: 2010 B-Cab
	FIREWALL Aftertreatment CAN
	Diagnostic CAN
	STEERING TRANSMISSION ENGINE
	WHEEL \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	MCS) ABS
	CONNECTOR
	PACCAR → Engine CAN ▼
	Cluster Cab CAN Display I VGT Actuator
	Sidester Canada Carit
	Instrumentation CAN Vehicle CAN After-treatment
	CECU 3
	CVSG BUS VOLTAGE SENSORS
	FUEL
	ELECTRONIC SENDERS SENDERS
	CVSG's CURRENT SENSOR
	SWITCHES Frame CAN CHASSIS PRESSURE
	NODE SENSORS
	SPARE VACUUM SENSOR
	INPUTS
	FRONT TAIL/ TEMP SENSORS
	FIREWALL LAMPS LAMPS
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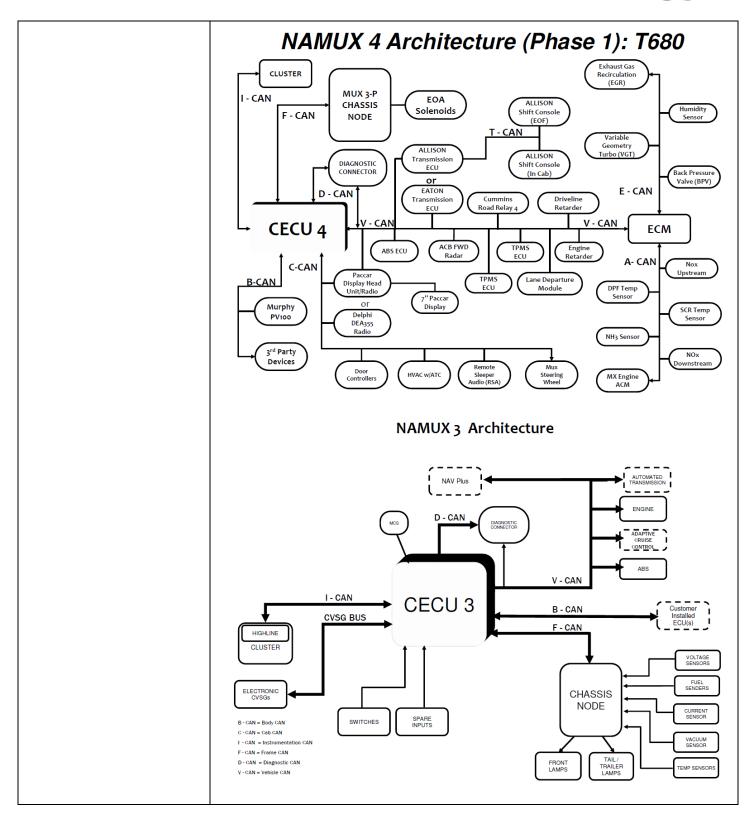
	Visual Inspection		
			and a second second second second
		ey, disconnect the connector fro	
	11 ' '	l applicable connectors (bent, br	, ,
	_	arness, sign of exhaust leaks dur	ing each step of the diagnostic
	procedure.		
	Was there eviden	ce of any of the above?	
	No: Proc	eed to step 2.	
	Yes: Mak	ce the appropriate repairs or con	nponent replacements.
	Use DAVIE to re-c	heck for the presence of active f	aults.
	If this rel	ated fault is no longer active, th	en this issue has been resolved.
	If this rel	lated fault is still active, Proceed	to step 2
			·
	Step 2	Step ID 157A-b	SRT
	Data check		
	Lookup t	he technical data of the specific	system
	Perform	the checking data test of the spe	ecific component
	Is test pass?		·
		eed to step 3	
		ceed to step4	
	10011110		
	Step 3 Step ID 157A-c SRT		
	Repair or replace component		
	Repair or replace the component, also check for electrical connection and		
	wiring harness.		
	Reconnect the connector		
	ON the ignition key		
	Use DAVIE to re-check for the presence of active faults:		
	Is DTC fault active: Proceed to step 4		
		ult inactive: Issue resolved. Clea	r inactive fault
	13 DTC fault mactive. Issue resolved. Clear mactive fault		
	Step 4	Step ID 157A-d	SRT
	For further assistance in diagnosing this issue or for confirmation prior to the		
	replacement of suspect components, contact the Engine Support Call Center at		
	1-800-477-0251.	ispect components, contact the	Engine support can center at
Verification Drive Cycle		air with the hrakes set turn the	key to the ON position with the
Tambadan Brive eyele	-		
	-	engine off, and allow 10 seconds for the system to initialize and run diagnostics.	
	With the brakes set, start the engine and allow it to run at idle for 2 minutes.		
			Rack to Choose Code
			Back to Choose Code Back to Index



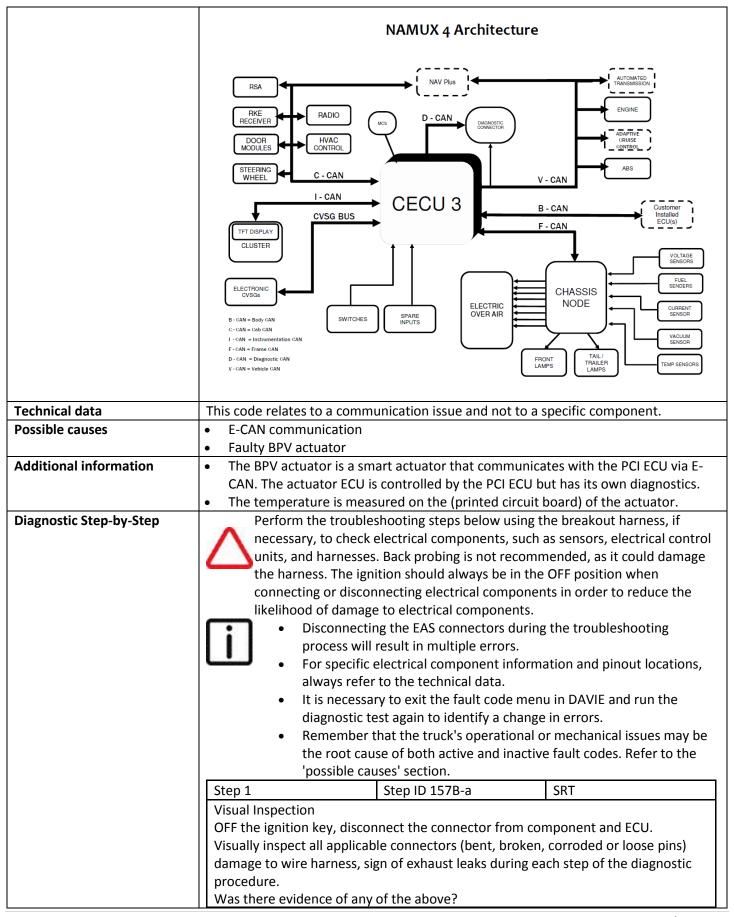
U157B

Code number	U157B	
Fault code description	BPV actuator temperature - Data erratic, intermittent, or incorrect.	
Fault code information	1 trip MIL	
	3 drive cycle recovery	
	Readiness group – None	
	Freeze frame type – Generic	
Description of component(s)	This code relates to a communication issue and not to a specific component.	
Location of component(s)	This code relates to a communication issue and not to a specific component.	
Diagnostic condition	This diagnostic runs continuously when the ignition is on.	
Set condition of fault code	The PCI ECU (D420) receives a CAN message from the BPV actuator (L020) that	
	contains an out-of-range value for the actuator temperature	
Reset condition of fault code	This DTC changes to inactive after the ignition is keyed off for at least 15 seconds,	
	keyed on again, and the fault is no longer detected.	
Electrical diagram(s)		
	NAMILY O Avalata atomas 0010 B Cala	
	NAMUX 3 Architecture: 2010 B-Cab	
	Diagnostic CAN STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR Display Vehicle CAN Vehicle CAN Voltage SENSORS SENSORS SENSORS SPARE INPUTS FIREWALL Aftertreatment CAN LAUTO TRANSMISSION, ENGINE ENGINE VOLTAGE SENSOR FUEL SENSOR FRONT TAIL TRALLER LAMPS LAMPS TAIL TRALLER LAMPS TAIL TRALLER LAMPS TEMP SENSORS	











Voc. Make the appropriate repairs on compared to the control of th			
• Yes: wake the appropriate repairs or component replacements.	Yes: Make the appropriate repairs or component replacements.		
Use DAVIE to re-check for the presence of active faults.			
If this related fault is no longer active, then this issue has been resolved.	ı.		
f this related fault is still active, Proceed to step 2			
Step 2 Step ID 157B-b SRT			
Data check			
Lookup the technical data of the specific system			
Perform the checking data test of the specific component			
Is test pass?			
No: Proceed to step 3			
Yes : Proceed to step4			
Step 3 Step ID 157C-c SRT			
Repair or replace component			
Repair or replace the component, also check for electrical connection a	nd		
wiring harness .			
Reconnect the connector			
ON the ignition key			
Use DAVIE to re-check for the presence of active faults:			
Is DTC fault active: Proceed to step 4			
Is DTC fault inactive : Issue resolved. Clear inactive fault			
Step 4 Step ID 157D-d SRT			
For further assistance in diagnosing this issue or for confirmation prior to the			
replacement of suspect components, contact the Engine Support Call Center at	1-		
800-477-0251.			
Verification Drive Cycle To validate the repair:	I		
With the brakes set, turn the key to the ON position with the engine off,	and		
allow 10 seconds for the system to initialize and run diagnostics.			
With the brakes set, start the engine and allow it to run at idle for 2 min	utes.		
Back to Choose			
Back to	Index		

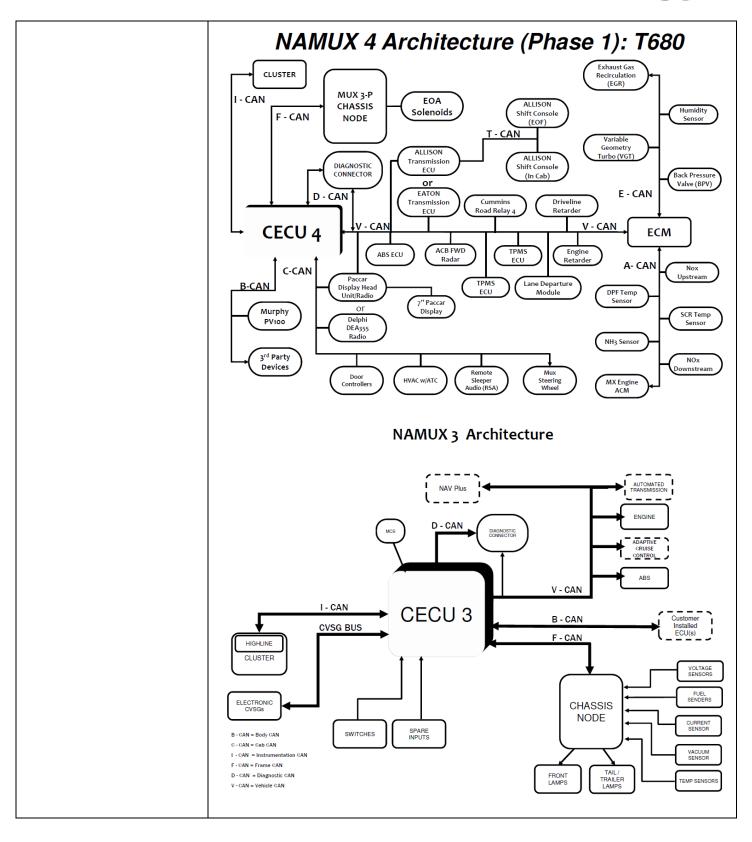


Code number	U1703
Fault code description	Remote pedal – Voltage too low or short circuit to ground
Fault code information	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	Not available/required for this code
Location of component(s)	Not available/required for this code
Diagnostic condition	This diagnostic runs continuously when the ignition is on.
Set condition of fault code	The PCI ECU (D420) detects that the duty-cycle of gas pedal sensor 1 is less than 3
	percent.
Reset condition of fault code	This fault code will change to inactive immediately after the diagnostic runs and
	passes
Electrical diagram(s)	Not available/required for this code
Technical data	Not available/required for this code
Possible causes	Not available/required for this code
Additional information	Not available/required for this code
Diagnostic Step-by-Step	Please refer to chassis wiring information.
Verification Drive Cycle	Not available/required for this code
	Back to Choose Code
	Back to Index

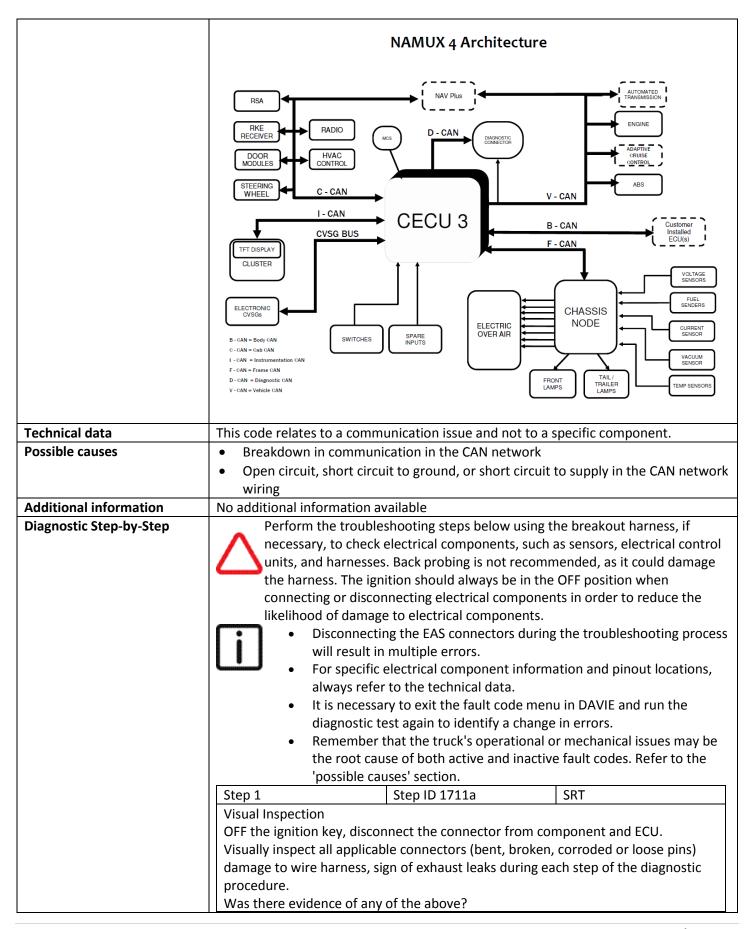


Code number	U1711	
Fault code description	CAN communication - Message (AT1IMG) rate too low from emission system	
Fault code information	1 trip MIL	
	3 drive cycle recovery	
	Readiness group – None	
	Freeze frame type – Generic	
Description of component(s)	This code relates to a communication issue and not to a specific component.	
Location of component(s)	This code relates to a communication issue and not to a specific component.	
Diagnostic condition	This diagnostic runs continuously when the ignition is on.	
Set condition of fault code	CAN command message AT1IMG is missing for more than 1.5 sec.	
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.	
Electrical diagram(s)		
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN FIREWALL Aftertreatment CAN ENGINE CRUSS FIREWALL ACTOR CRUSS FIREWALL FIREWALL ACTOR CRUSS FIREWAL	









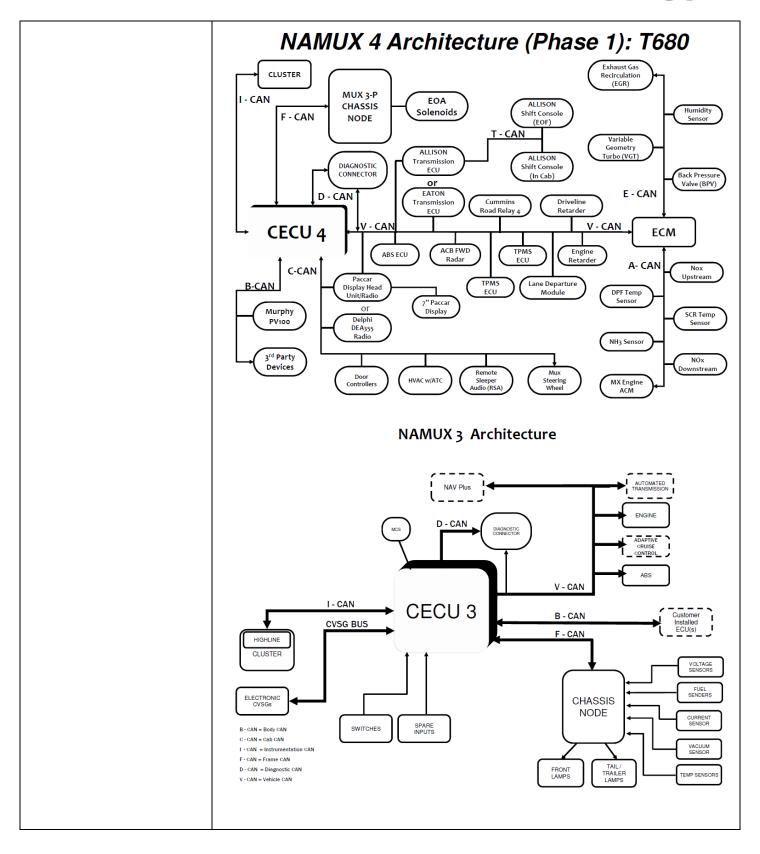


	No: Proceed to s	iten 2.	
		opropriate repairs or compone	ent renlacements
	- I I	or the presence of active faults	-
		ult is no longer active, then the	
		_	
	If this related fault is still active, Proceed to step 2		
	Step 2	Step ID 1711b	SRT
	Data check		
	Lookup the tech	nical data of the specific syste	m
	Perform the che	cking data test of the specific	component
	Is test pass?		
	No: Proceed to s	tep 3	
	Yes : Proceed to	step4	
	Step 3	Step ID 1711c	SRT
	Repair or replace compo	nent	
	1 1	e the component, also check f	or electrical connection and
	wiring harness.		
	Reconnect the connector		
	ON the ignition I	•	
	Use DAVIE to re-check for the presence of active faults:		
	Is DTC fault activ	e: Proceed to step 4	
	Is DTC fault inaction	tive: Issue resolved. Clear inac	tive fault
	Step 4	Step ID 1711d	SRT
	For further assistance in	diagnosing this issue or for co	nfirmation prior to the
	1 1 · · · ·	components, contact the Engi	ne Support Call Center at
	1-800-477-0251.		
Verification Drive Cycle	•	h the brakes set, turn the key	•
	engine off, and allow 10 s	econds for the system to initia	
			Back to Choose Code
			Back to Index

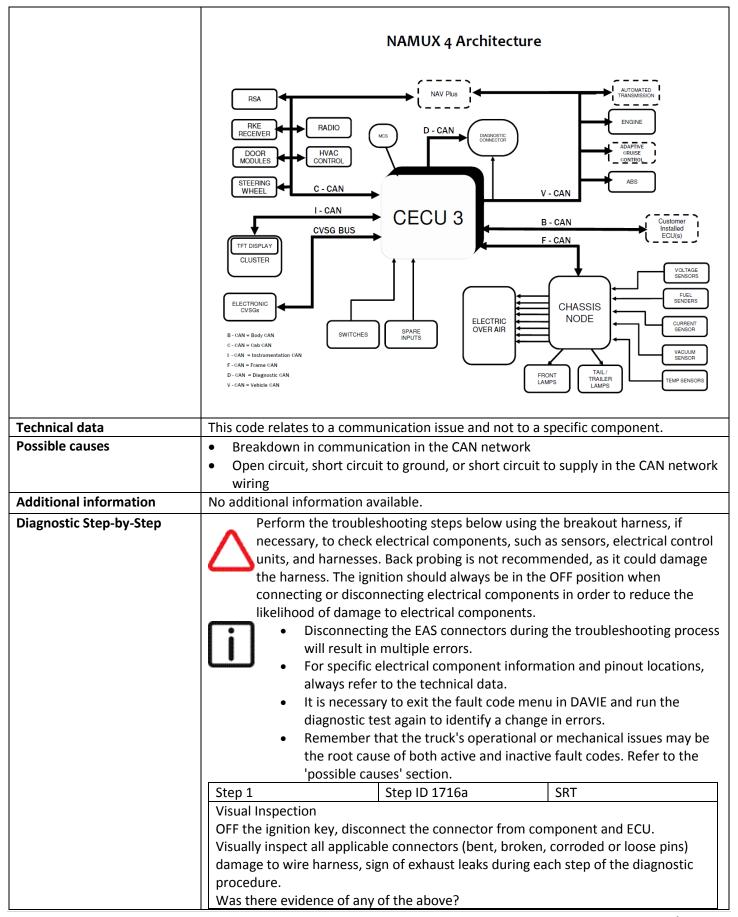


Code number	U1716
Fault code description	CAN communication - Message (AT1OG2) rate too low from emission system
Fault code information	1 trip MIL
	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	This code relates to a communication issue and not to a specific component.
Location of component(s)	This code relates to a communication issue and not to a specific component.
Diagnostic condition	This diagnostic runs continuously when the ignition is on.
Set condition of fault code	CAN command message AT1OG2 is missing for more than 1.5 seconds.
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.
Electrical diagram(s)	
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN ABS ON THE CONNECTOR PACCAR DISPISE CUSTON CONNECTOR PACCAR DISPISE CVSG BUS FIREWALL After-treatment DCU Voltage SENSORS FUEL SENSOR FUEL SENSOR SPARE INPUTS FRONT TAIL TAIL TEMP SENSORS TEMP TRAILER TAIL TEMP SENSORS TEMP TRAILER TEMP SENSORS









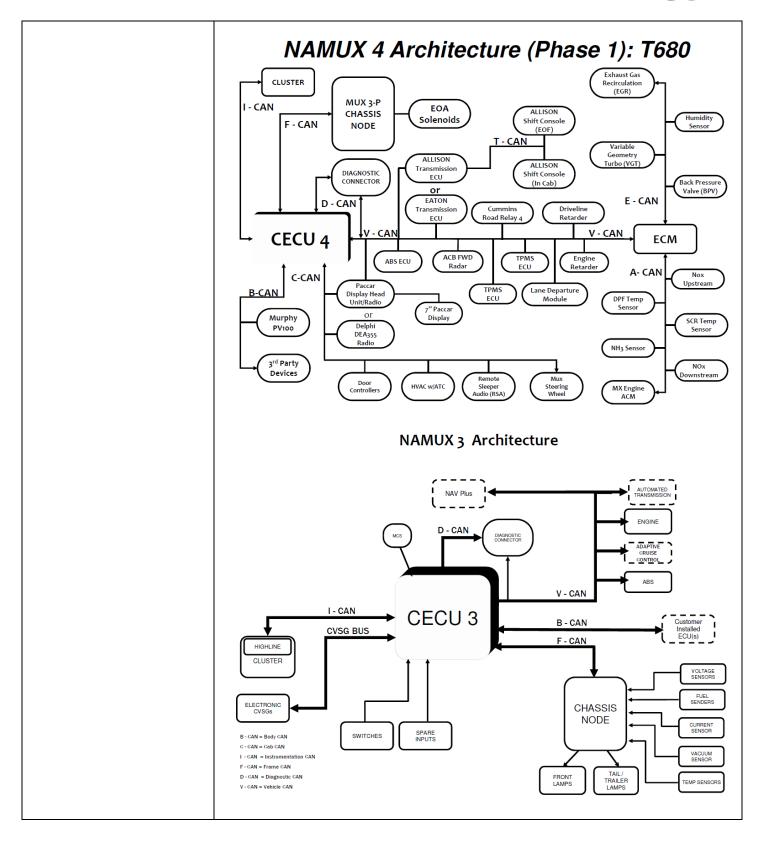


	No: Proce	ed to step 2.		
	Yes: Make	the appropriate repairs or con	nponent replacements	
		heck for the presence of active	•	
		ted fault is no longer active, th		resolved.
		ted fault is still active, Proceed		
		,	'	
	Step 2	Step ID 1716b	SRT	
	Data check			
	• Looku	p the technical data of the spe	cific system	
	Perfor	rm the checking data test of the	e specific component	
	Is test pass?	_		
No: Proceed to step 3				
		Proceed to step 4		
		•		
Step 3 Step ID 1716c SRT				
Repair or replace component				
	Repair or replace the component, also check for electrical connection and			ection and
	wiring harness.			
	Reconnect	t the connector		
	ON the ign	nition key		
	Use DAVIE to re-check for the presence of active faults:			
	Is DTC fault active: Proceed to step 4			
	Is DTC fault inactive: Issue resolved. Clear inactive fault			
	Step 4	Step ID 1716d	SRT	
	For further assista	nce in diagnosing this issue or	for confirmation prior	to the
		spect components, contact the		
	1-800-477-0251.			
Verification Drive Cycle	To validate the repa	air, with the brakes set, turn th	e key to the ON positio	n with the
	engine off, and allo	w 10 seconds for the system to	initialize and run diag	nostics.
	With the brakes set	, start the engine and allow it t	o run at idle for 2 minu	utes.
			Back to	Choose Code
				Back to Index

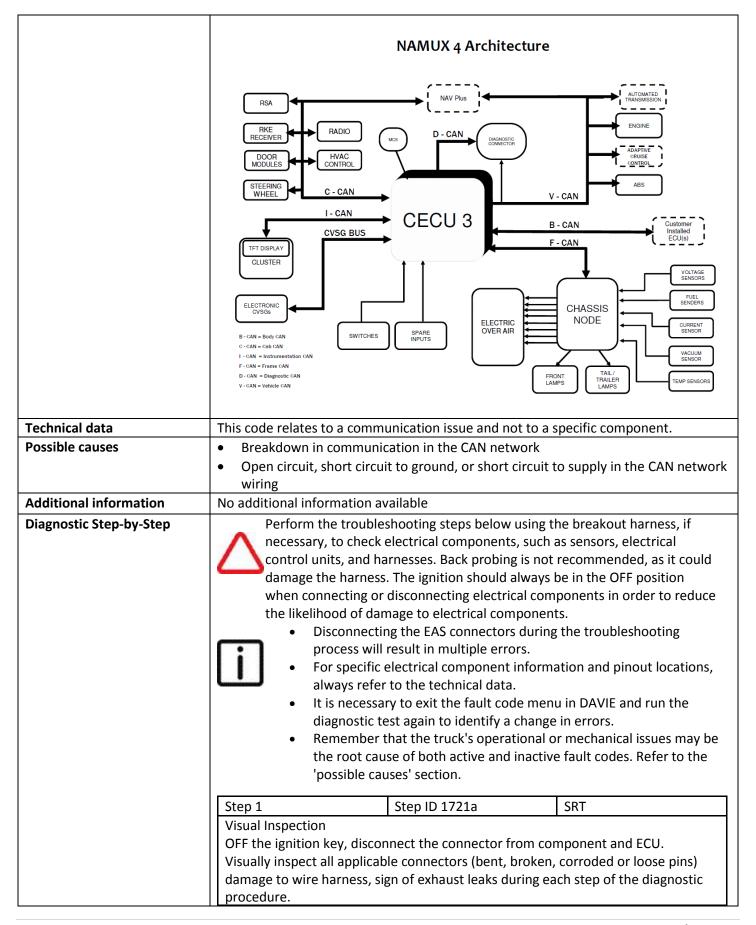


Code number	U1721
Fault code description	CAN communication - Message (vep1) rate too low from emission system
Fault code information	3 drive cycle recovery
	Readiness group – None
	Freeze frame type - Generic
Description of component(s)	This code relates to a communication issue and not to a specific component.
Location of component(s)	This code relates to a communication issue and not to a specific component.
Diagnostic condition	This diagnostic runs continuously when the ignition is on.
Set condition of fault code	
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.
Electrical diagram(s)	
	Diagnostic CAN STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR DISplay Vehicle CAN Vehicle CAN Vehicle CAN CVSG BUS CVSG BUS Frame CAN Frame CAN FRONT TAIL TEMP SENSORS SPARE INPUTS FRONT TRALLER LAMPS FRONT TRALLER LAMPS TEMP SENSORS









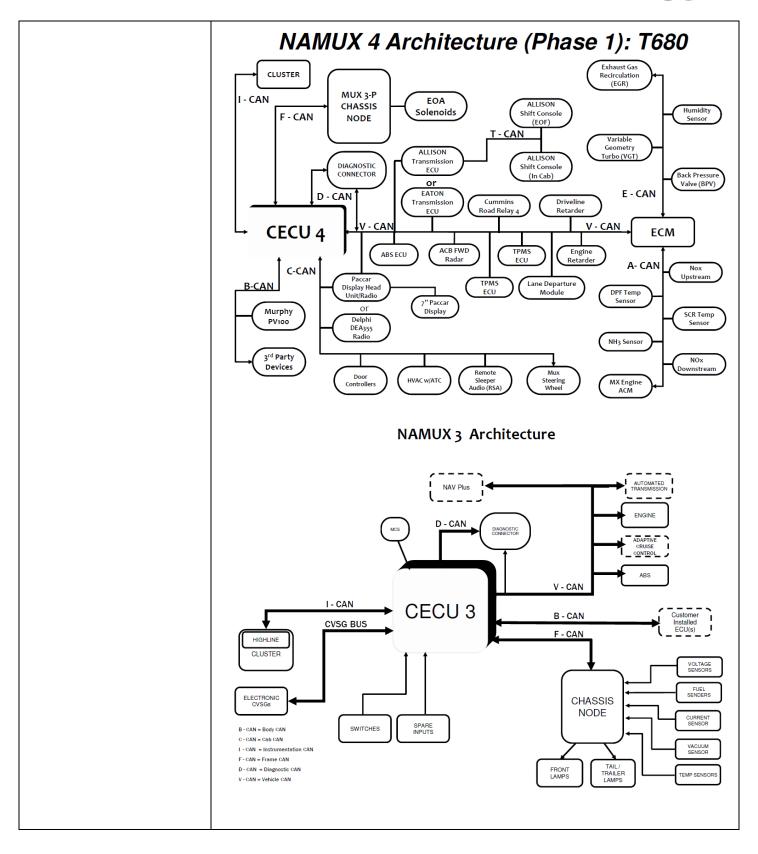


	Was there evidence of any of the above?				
	No: Proceed to step 2.				
	Yes: Make the appropriate repairs or component replacements.				
	Use DAVIE to re-check for the presence of active faults.				
	If this related fault is no longer active, then this issue has been resolved.				
	 If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2 				
	ii tiiis related fault is still active, Proceed to step 2				
	Step 2		Step ID 1721b		SRT
	Data check				SKI
		the technic	cal data of the specific	system	
	Perforn	n the check	ing data test of the sp	ecific co	mponent
	Is test pass?				·
	No: Pro	ceed to ste	p 3		
	• Yes : Pr	oceed to st	ep4		
	Step 3 Step ID 1721c SRT				
	Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness.				
	Reconn	ect the con	nector		
	ON the ignition key				
	Use DAVIE to re-check for the presence of active faults:				
	Is DTC fault active: Proceed to step 4				
	Is DTC fault inactive : Issue resolved. Clear inactive fault.				
	Step 4		Step ID 1721d		SRT
	For further assistance in diagnosing this issue or for confirmation prior to the				
	replacement of	suspect co	mponents, contact the	e Engine	Support Call Center at
	1-800-477-0251.				
Verification Drive Cycle	To validate the repair, with the brakes set, turn the key to the ON position with				
	the engine off, and allow 10 seconds for the system to initialize and run				
	diagnostics.				
	With the brakes set, start the engine and allow it to run at idle for 2 minutes.				
	Back to Choose Code				
					Back to Index

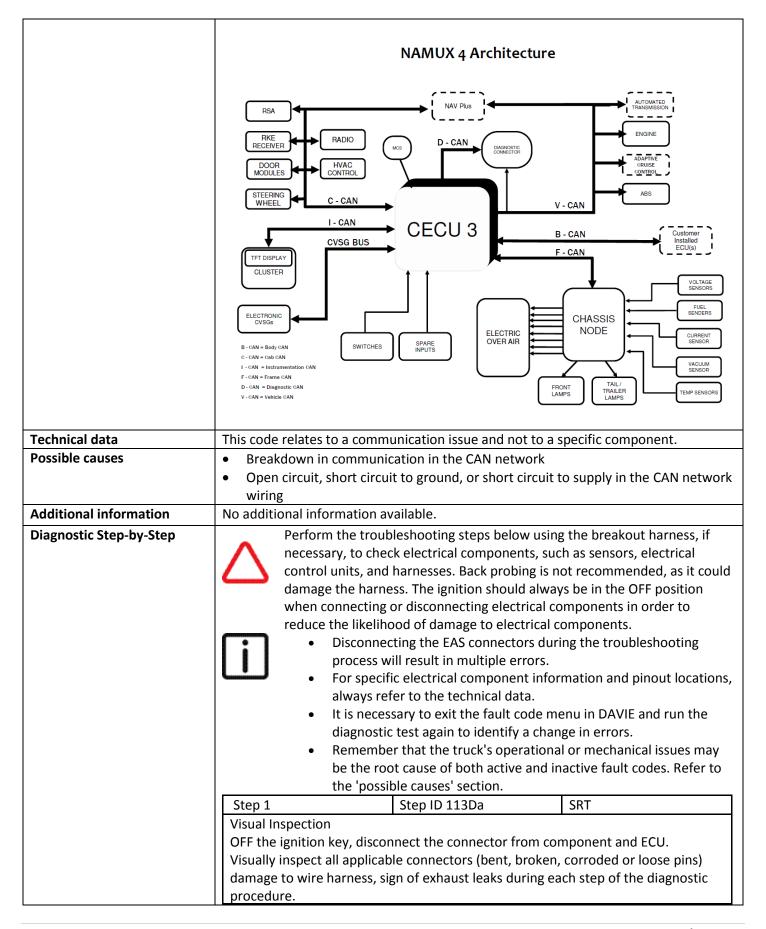


Code number	U1726		
Fault code description	CAN communication - Message (AT1GP) rate too high from emission system		
Fault code information	1 trip MIL		
	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code	CAN command message AT1GP is missing for more than 1.5 seconds.		
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN ABS ON THE CONNECTOR PACCAR DISPISE CUSTON CONNECTOR PACCAR DISPISE CVSG BUS Frame CAN FIREWALL Aftertreatment CAN Aftertreatment CAN Vehicle CAN CLUSTER CAN CVSG BUS FUEL SENDORS SENSORS FUEL SENSORS FOOT TAIL TAIL TEMP SENSORS TEMP SENSORS		









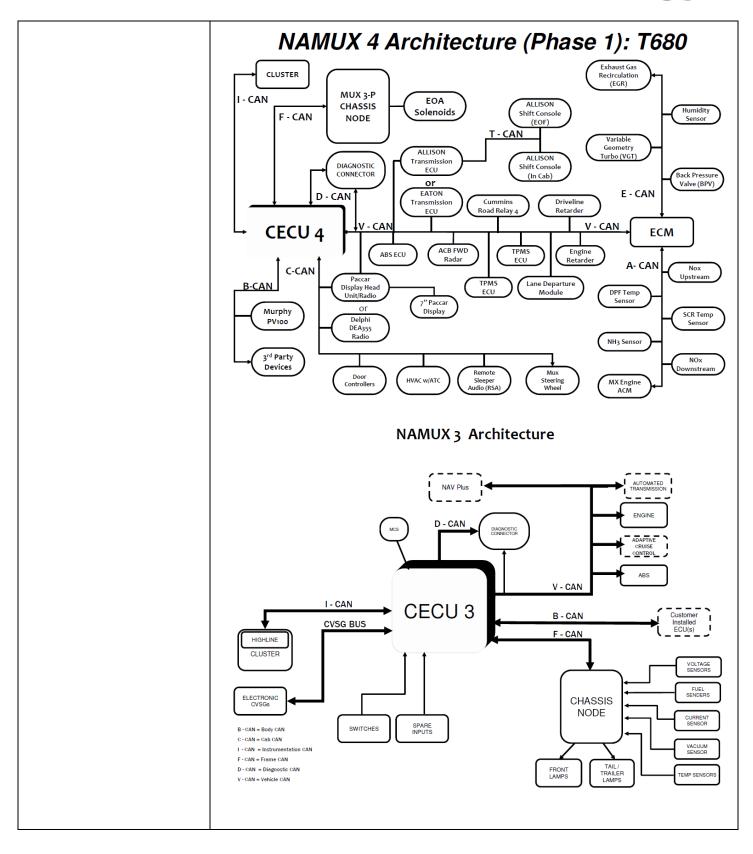


	Was there evidence	Was there evidence of any of the above?				
	No: Procee	d to step 2.				
	Yes: Make	the appropriate repairs or com	ponent replacements.			
	Use DAVIE to re-ch	Use DAVIE to re-check for the presence of active faults.				
	If this related fault is no longer active, then this issue has been resolved.					
		If this related fault is still active, Proceed to step 2				
	Step 2	Step ID 113Db	SRT			
	Data check	·				
	Lookup the					
		ne checking data test of the spe	•			
	Is test pass?		·			
	No: Procee	ed to step 3				
		eed to step4				
		·				
	[a. a					
	Step 3 Step ID 113Dc SRT Repair or replace component					
	1 I	 Repair or replace the component, also check for electrical connection and wiring harness . Reconnect the connector 				
	ON the ignition key					
	1 1	Use DAVIE to re-check for the presence of active faults:Is DTC fault active: Proceed to step 4				
		•	inactivo fault			
	13 DTC Tauli	Is DTC fault inactive : Issue resolved. Clear inactive fault				
	Step 4 Step ID 113Dd SRT					
		For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-				
	800-477-0251.	pect components, contact the	Lingine Support Can Center at 1-			
Verification Drive Cycle		ir. with the brakes set, turn the	key to the ON position with the			
Tomour Brite Cycle	- I		· · · · · · · · · · · · · · · · · · ·			
	engine off, and allow 10 seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes.					
			Back to Choose Code			
			Back to Index			

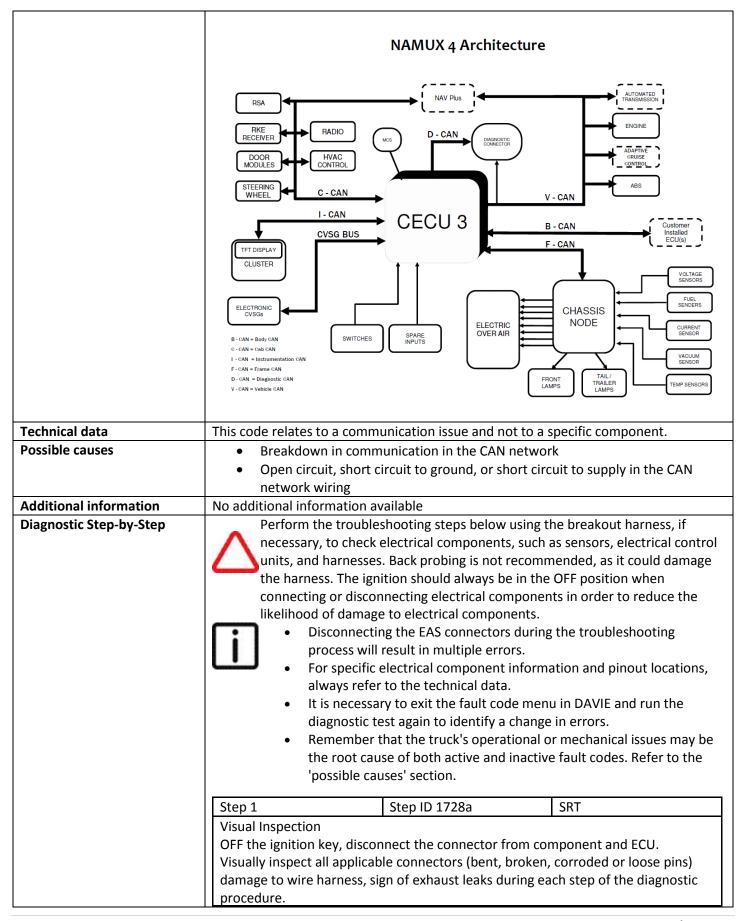


Code number	U1728			
Fault code description	CAN communication – Message (AT1OG1) rate too low from emission system			
Fault code information	1 trip MIL			
	3 drive cycle recovery			
	Readiness group – None			
	Freeze frame type – Generic			
Description of component(s)	This code relates to a communication issue and not to a specific component.			
Location of component(s)	This code relates to a communication issue and not to a specific component.			
Diagnostic condition	This diagnostic runs continuously when the ignition is on.			
Set condition of fault code				
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.			
Electrical diagram(s)				
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Diagnostic CAN Di			









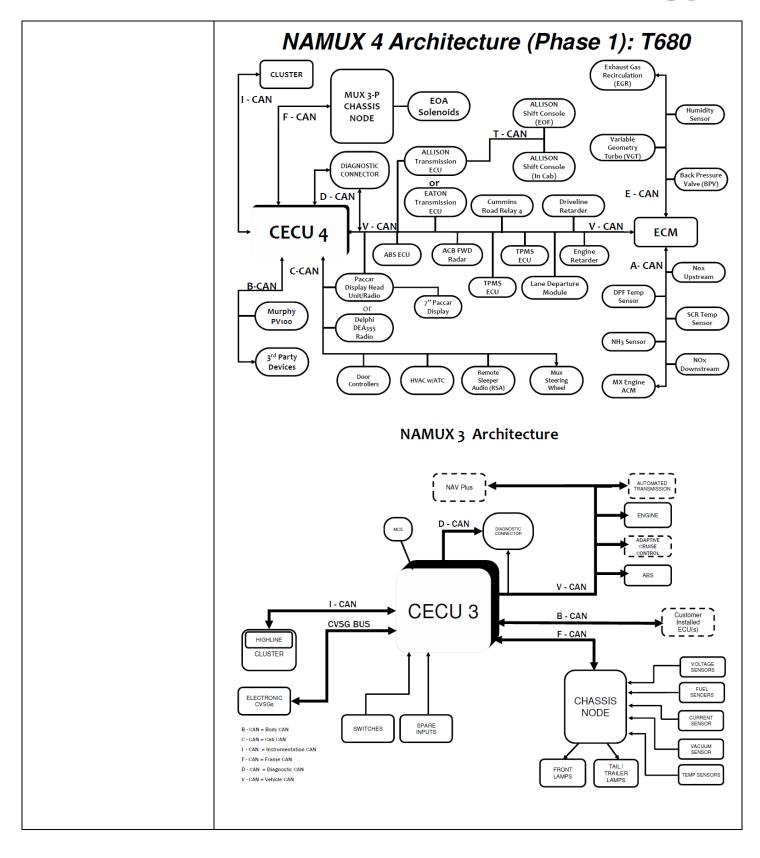


	11			
		Was there evidence of any of the above?		
	No: Proceed	No: Proceed to step 2.		
	Yes: Make th	e appropriate repairs or con	nponent replacements.	
	Use DAVIE to re-check for the presence of active faults.			
		If this related fault is no longer active, then this issue has been resolved.		
	Step 2	Step ID 1728b	SRT	
	Data check			
	Lookup the t			
	Perform the	checking data test of the spe	ecific component	
	Is test pass?			
	No: Proceed	to step 3		
	Yes : Proceed	l to step4		
			1	
	· ·	Step 3 Step ID 1728c SRT		
	Repair or replace cor	•		
	Repair or replace the component, also check for electrical connection and			
		wiring harness.		
	 Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: 			
	Is DTC fault a	ctive: Proceed to step 4		
	Is DTC fault in	Is DTC fault inactive: Issue resolved. Clear inactive fault.		
	Step 4	Step ID 1728d	SRT	
		0 0	for confirmation prior to the Engine Support Call Center at 1-	
Verification Drive Cycle	To verify the repair:			
	With the brakes set,	turn the key to the ON posit	ion with the engine off, and allow	
	10 seconds for the sy	10 seconds for the system to initialize and run diagnostics.		
	With the brakes set,	With the brakes set, start the engine and allow it to run at idle for 2 minutes.		
			Back to Choose Code	
			Back to Index	

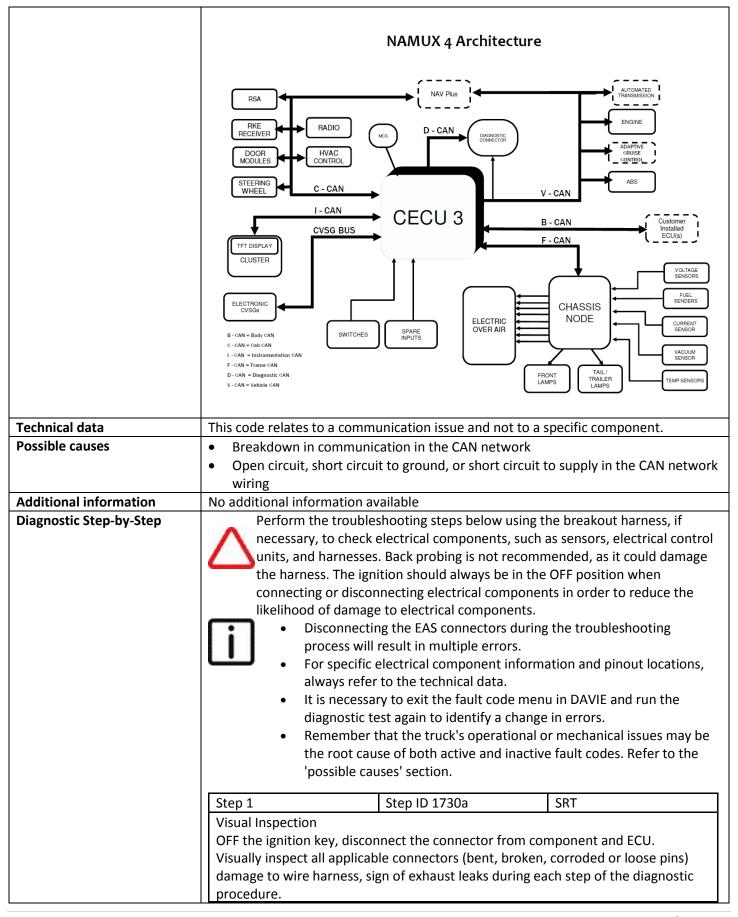


Code number	U1730		
Fault code description	CAN communication – Message (AT1OG1) out of range – SCR outlet NOx from		
	emission system		
Fault code information	1 trip MIL		
	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR DISPIBL CONNECTOR PACCAR DISPIBL SENSORS FIREWALL CURRENT SENSOR SENSOR SENSOR SPARE INPUTS FRONT TAIL TEMP SENSORS FIREWALL FRONT TAIL TEMP SENSORS FIREWALL FRONT TAIL TEMP SENSORS		











Was there evidence of any of the above? No: Proceed to step 2. Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2 Step 2 Step ID 1730b SRT Data check Lookup the technical data of the specific system Perform the checking data test of the specific component Is test pass? No: Proceed to step 3 Yes: Proceed to step4 Step ID 1730c Step 3 SRT Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. Step 4 Step ID 1730d SRT For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251. **Verification Drive Cycle** To verify the repair: With the brakes set, turn the key to the ON position with the engine off, and allow

10 seconds for the system to initialize and run diagnostics.

With the brakes set, start the engine and allow it to run at idle for 2 minutes.

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U177B

Code number	U177B		
Fault code description	Dual PWM accelerator pedal 1 - Voltage too high or short circuit to supply on ECU		
	D420 pin B41		
Fault code information	1 trip MIL		
	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	Refer to the truck model documentation in DealerNet		
Location of component(s)	Refer to the truck model documentation in DealerNet		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code	The PCI ECU (D420) detects that the duty-cycle of gas pedal sensor 1 is greater than 55		
	percent.		
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)	Refer to the truck model documentation in DealerNet		
Technical data	Refer to the truck model documentation in DealerNet		
Possible causes	Faulty accelerator pedal or wiring.		
. Ossible causes	Faulty connector.		
Additional information	The accelerator pedal position is determined by two sensors (1 and 2) inside the		
Additional information	accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to		
	220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that,		
	when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and		
	sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors		
	separately and together.		
	100%		
	100%		
	D		
	E		
	80%		
	В		
	A H G		
	C		
	E		
	D F		
	0 19.2 22.8		
	0%		
	A PWM Output - % duty cycle		
	B Sensor 1		



Diagnostic Step-by-Step	harness, if necessar sensors, electrical contrecommended, should always be in disconnecting electrical likelihood of damag Disconnection troubleshood For specific pinout locate It is necessar un the diagonary errors. Remember	, ,	nents, such as Back probing is ness. The ignition necting or o reduce the ng the nultiple errors. mation and chnical data. nu in DAVIE and r a change in		
	fault codes. Refer to the 'possible causes' section. Step 1 Step ID 177B-a SRT				
	Visual Inspection OFF the ignition key, disconnect the connector from component and ECU. Visually inspect all applicable connectors (bent, broken, corroded or loose pins) damage to wire harness, sign of exhaust leaks during each step of the diagnostic procedure. Was there evidence of any of the above? No: Proceed to step 2. Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2				
	Pedal sensor. With key ON If the voltage is according to the second sec	Step ID 177B-b the power supply harness from the power supply har	rness. 4.		
	Step 3	Step ID 177B-c	SRT		



	 With the key OFF, disconnect the harness from the ECU. Measure the voltage for the Dual PWM Accelerator Pedal sensor wiring at the ECU. If the voltage is acceptable – Replace the engine harness and proceed to the verification procedure. If the voltage is not acceptable – Call the Engine Support Center regarding possible ECU failure. 				
	Step 4 Step ID 177B-d SRT				
	With key OFF, replace the Dual PWM Accelerator Pedal sensor and proceed to the verification procedure.				
	Step 5 Step ID 177B-e SRT				
	For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251.				
Verification Drive Cycle	To validate the repair: With the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics.				
	Back to Choose Code Back to Index				



U177C

Code number	U177C		
Fault code description	Dual PWM accelerator pedal 1 - Voltage too low or short circuit to ground on ECU		
-	D420 pin B41		
Fault code information	1 trip MIL		
	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of common and (a)			
Description of component(s)	Refer to the truck model documentation in DealerNet		
Location of component(s)	Refer to the truck model documentation in DealerNet		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code	The PCI ECU (D420) detects that the duty-cycle of gas pedal sensor 1 is less than 3		
	percent.		
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)	Refer to the truck model documentation in DealerNet		
Technical data	Refer to the truck model documentation in DealerNet		
Possible causes	Faulty accelerator pedal or wiring.		
	Faulty connector.		
Additional information	The accelerator pedal position is determined by two sensors (1 and 2) inside the		
	accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to		
	220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that,		
	,		
	when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and		
	sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors		
	separately and together.		
	1000/		
	100%		
	D		
	E		
	В		
	A H G		
	C		
	E		
	DF		
	0 19.2 22.8		
	0%		
	A PWM Output - % duty cycle		
	B Sensor 1		
	I = ======= =		



Diagnostic Step-by-Step	C Sensor 2 D Diagnostic range limit E Auto calibration limit F Rotation angle accelerator pedal (°) G Span H Kick down hysteresis I 100% pedal value at kick down Perform the troubleshooting steps below using the breakout harness, if necessary, to check electrical components, such as sensors, electrical control units, and harnesses. Back probing is not recommended, as it could damage the harness. The ignition should always be in the OFF position when connecting or disconnecting electrical components in order to reduce the likelihood of damage to electrical components. • Disconnecting the EAS connectors during the troubleshooting process will result in multiple errors. • For specific electrical component information and pinout locations, always refer to the technical data. • It is necessary to exit the fault code menu in DAVIE and run the diagnostic test again to identify a change in errors. • Remember that the truck's operational or mechanical issues may be the root cause of both active and inactive fault codes. Refer to the 'possible causes' section.
	Step 1 Step ID 177C-a SRT Visual Inspection OFF the ignition key, disconnect the connector from component and ECU. Visually inspect all applicable connectors (bent, broken, corroded or loose pins) damage to wire harness, sign of exhaust leaks during each step of the diagnostic procedure. Was there evidence of any of the above? • No: Proceed to step 2. • Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. • If this related fault is no longer active, then this issue has been resolved. • If this related fault is still active, Proceed to step 2 Step 2 Step ID 177C-b SRT Electrical Checks With key OFF, disconnect the power supply harness from Dual PWM Accelerator Pedal sensor. With key ON, read the voltage on the harness. • If the voltage is acceptable – Proceed to step 4.

If the voltage is not acceptable – Proceed to step 3.

Step ID 177C-c

SRT

Step 3



	 With the key OFF, disconnect the harness from the ECU. Measure the voltage for the Dual PWM Accelerator Pedal sensor wiring at the ECU. If the voltage is acceptable – Replace the engine harness and proceed to the verification procedure. If the voltage is not acceptable – Call the Engine Support Center regarding possible ECU failure. 		
	Step 4	Step ID 177C-d	SRT
	With key OFF, replace the Dual PWM Accelerator Pedal sensor and proceed to the verification procedure.		
	Step 5 Step ID 177C-e SRT		
	For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251.		
Verification Drive Cycle	To validate the repair: With the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics.		
	Back to Choose Code Back to Index		



U177F

Fault code description Fault code description Dual PWM accelerator pedal 1 - Frequency too high on ECU D420 pin B41 1 trip MIL 3 drive cycle recovery Readiness group - None Freeze frame type - Generic Description of component(s) Refer to the truck model documentation in Dealer Net Location of component(s) Refer to the truck model documentation in Dealer Net This diagnostic runs continuously when the ignition is on. Set condition of fault code The PCI ECU (D420) detects that the frequency of gas pedal sensor 1 is greater than 220 Hz. Reset condition of fault code Reset condition of fault code This DTC changes to inactive when the fault is no longer detected. To validate the repair, monitor the accelerator pedal sensors with DAVIE. Electrical diagram(s) Refer to the truck model documentation in Dealer Net Possible causes Additional information The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal interessor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. Department of the processor of the	01//F			
Fault code information 1 tip MIL 3 drive cycle recovery Readiness group – None Freeze frame type – Generic Freeze frame type – Generic Refer to the truck model documentation in Dealer Net Diagnostic condition Set condition of fault code This diagnostic runs continuously when the ignition is on. Reset condition of fault code This DTC changes to inactive when the fault is no longer detected. To validate the repair, monitor the accelerator pedal sensors with DAVIE. Reset condition at Refer to the truck model documentation in Dealer Net Technical data Refer to the truck model documentation in Dealer Net Possible causes Faulty accelerator pedal or wiring Additional information The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal and a resensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% A PWM Output - % duty cycle B Sensor 1 A PWM Output - % duty cycle B Sensor 1				
3 drive cycle recovery Readiness group – None Freeze frame type – Generic Description of component(s) Refer to the truck model documentation in DealerNet Diagnostic condition This diagnostic runs continuously when the ignition is on. The PCI ECU (D420) detects that the frequency of gas pedal sensor 1 is greater than 220 Hz. Reset condition of fault code This DTC changes to inactive when the fault is no longer detected. To validate the repair, monitor the accelerator pedal sensors with DAVIE. Electrical diagram(s) Refer to the truck model documentation in Dealer Net Technical data Refer to the truck model documentation in Dealer Net Technical data Refer to the truck model documentation in Dealer Net Technical data Refer to the selectrical pedal or wiring The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. Beauty and together. A PWM Output - % duty cycle B Sensor 1	-			
Readiness group – None Freeze frame type – Generic Description of component(s) Refer to the truck model documentation in Dealer Net Diagnostic condition This diagnostic runs continuously when the ignition is on. Reset condition of fault code This DTC changes to inactive when the fault is no longer detected. To validate the repair, monitor the accelerator pedal sensors with DAVIE. Electrical diagram(s) Refer to the truck model documentation in Dealer Net Possible causes Faulty accelerator pedal or wiring The accelerator pedal or wiring The accelerator pedal or wiring The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal in sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% A PWM Output -% duty cycle B Sensor 1	Fault code information	1 '		
Refer to the truck model documentation in Dealer Net		1		
Description of component(s) Location of component(s) Diagnostic condition Set condition This diagnostic runs continuously when the ignition is on. The PCI ECU (D420) detects that the frequency of gas pedal sensor 1 is greater than 220 Hz. Reset condition of fault code This DTC changes to inactive when the fault is no longer detected. To validate the repair, monitor the accelerator pedal sensors with DAVIE. Electrical diagram(s) Refer to the truck model documentation in Dealer Net Technical data Refer to the truck model documentation in Dealer Net Possible causes Additional information The accelerator pedal or wiring The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal resensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% D B B A PWM Output -% duty cycle B Sensor 1				
Diagnostic condition				
Diagnostic condition This diagnostic runs continuously when the ignition is on. The PCI ECU (D420) detects that the frequency of gas pedal sensor 1 is greater than 220 Hz. Reset condition of fault code Electrical diagram(s) This DTC changes to inactive when the fault is no longer detected. To validate the repair, monitor the accelerator pedal sensors with DAVIE. Refer to the truck model documentation in Dealer Net Possible causes Faulty accelerator pedal or wiring Additional information The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal a reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PVM signal and sensor 2 shows an increasing PVM signal. The PCI ECU monitors both sensors separately and together. 100% A PWM Output - % duty cycle B Sensor 1				
The PCI ECU (D420) detects that the frequency of gas pedal sensor 1 is greater than 220 Hz. Reset condition of fault code This DTC changes to inactive when the fault is no longer detected. To validate the repair, monitor the accelerator pedal sensors with DAVIE. Electrical diagram(s) Refer to the truck model documentation in Dealer Net Possible causes Additional information The accelerator pedal or wiring The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% D E A PWM Output - % duty cycle B Sensor 1				
Reset condition of fault code This DTC changes to inactive when the fault is no longer detected. To validate the repair, monitor the accelerator pedal sensors with DAVIE. Electrical diagram(s) Refer to the truck model documentation in Dealer Net Possible causes Faulty accelerator pedal or wiring The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% D E A PWM Output - % duty cycle B Sensor 1				
Reset condition of fault code Electrical diagram(s) Refer to the truck model documentation in Dealer Net Possible causes Additional information Teacher pedal position is determined by two sensors (1 and 2) inside the accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal or wiring The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% D B A PWM Output - % duty cycle B Sensor 1	Set condition of fault code	The PCI ECU (D420) detects that the frequency of gas pedal sensor 1 is greater than		
Electrical diagram(s) Refer to the truck model documentation in Dealer Net Technical data Possible causes Faulty accelerator pedal or wiring Additional information The accelerator pedal or wiring The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% B A PWM Output - % duty cycle B Sensor 1				
Electrical diagram(s) Refer to the truck model documentation in Dealer Net Possible causes Additional information The accelerator pedal or wiring The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% D B A PWM Output - % duty cycle B Sensor 1	Reset condition of fault code	This DTC changes to inactive when the fault is no longer detected. To validate the		
Refer to the truck model documentation in Dealer Net Faulty accelerator pedal or wiring The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% B A PWM Output - % duty cycle B Sensor 1				
Additional information The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fix add requency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% B C C A PWM Output - % duty cycle B Sensor 1	Electrical diagram(s)	Refer to the truck model documentation in Dealer Net		
The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% D E B G A PWM Output - % duty cycle B Sensor 1	Technical data	Refer to the truck model documentation in Dealer Net		
accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% D E A PWM Output - % duty cycle B Sensor 1	Possible causes	Faulty accelerator pedal or wiring		
220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% B C B A PWM Output - % duty cycle B Sensor 1	Additional information	· · · · · · · · · · · · · · · · · · ·		
when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% B C F 19.2 22.8 A PWM Output - % duty cycle B Sensor 1		accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to		
sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% B C F 19.2 22.8 A PWM Output - % duty cycle B Sensor 1		220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that,		
A PWM Output - % duty cycle B Sensor 1		when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and		
A PWM Output - % duty cycle B Sensor 1				
A PWM Output - % duty cycle B Sensor 1				
A PWM Output - % duty cycle B Sensor 1				
A PWM Output - % duty cycle B Sensor 1		100%		
A PWM Output - % duty cycle B Sensor 1				
A PWM Output - % duty cycle B Sensor 1		D		
A PWM Output - % duty cycle B Sensor 1		E		
A PWM Output - % duty cycle B Sensor 1		80%		
A PWM Output - % duty cycle B Sensor 1				
A PWM Output - % duty cycle B Sensor 1				
A PWM Output - % duty cycle B Sensor 1		В		
A PWM Output - % duty cycle B Sensor 1				
A PWM Output - % duty cycle B Sensor 1				
A PWM Output - % duty cycle B Sensor 1		A H G		
A PWM Output - % duty cycle B Sensor 1				
A PWM Output - % duty cycle B Sensor 1				
A PWM Output - % duty cycle B Sensor 1		C C		
A PWM Output - % duty cycle B Sensor 1				
A PWM Output - % duty cycle B Sensor 1				
A PWM Output - % duty cycle B Sensor 1		20%		
A PWM Output - % duty cycle B Sensor 1				
A PWM Output - % duty cycle B Sensor 1		D		
A PWM Output - % duty cycle B Sensor 1				
A PWM Output - % duty cycle B Sensor 1		0%		
B Sensor 1				
		A PWM Output - % duty cycle		
C Sensor 2		B Sensor 1		
		C Sensor 2		



	D Diagnostic range limit				
	E Auto calibration limit				
	F Rotation angle accelerator pedal (°)				
	G Span	G Span			
	H Kick down hysteresis				
	I 100% pedal value at kick	down			
Diagnostic Step-by-Step	Perform the troubleshooting steps below using the breakout harness, if necessary, to check electrical components, such as sensors, electrical control units, and harnesses. Back probing is not recommended, as it could damage the harness. The ignition should always be in the OFF position when connecting or disconnecting electrical components in order to reduce the likelihood of damage to electrical components. • Disconnecting the EAS connectors during the troubleshooting process will result in multiple errors. • For specific electrical component information and pinout locations, always refer to the technical data. • It is necessary to exit the fault code menu in DAVIE and run the diagnostic test again to identify a change in errors. • Remember that the truck's operational or mechanical issues may be the root cause of both active and inactive fault codes. Refer to the 'possible causes' section.				
	Step 1 Step ID 177F-a SRT				
	Visual Inspection OFF the ignition key, disconnect the connector from component and ECU. Visually inspect all applicable connectors (bent, broken, corroded or loose pins) damage to wire harness, sign of exhaust leaks during each step of the diagnostic procedure. Was there evidence of any of the above? No: Proceed to step 2. Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2				
	Cton 2	Cton ID 1775 h	CDT		
	Step 2	Step ID 177F-b	SRT		
		•			

Step ID 177F-c

SRT

Step 3

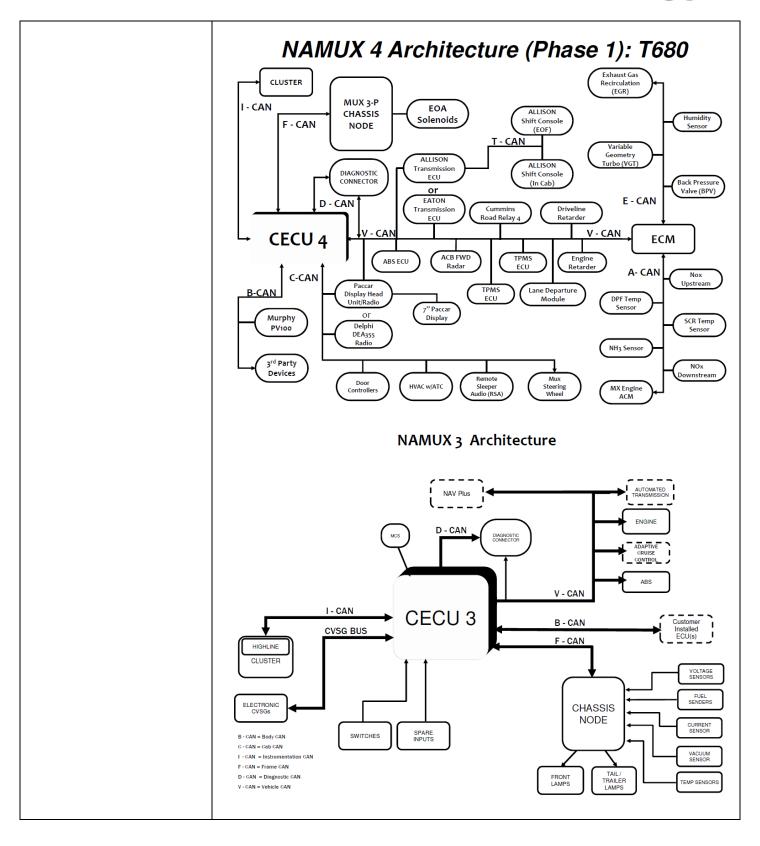


	Repair or replace	Repair or replace component		
	Repair or replace the component, also check for electrical connection			
	and wiring harness.			
	Reconnect the connector			
	ON the ignition key			
	Use DAVIE to re-check for the presence of active faults:			
	Is DTC fault active: Proceed to step 4			
	Is DTC fault inactive: Issue resolved. Clear inactive fault.			
	Step 4 Step ID 177F-d SRT			
	For further assistance in diagnosing this issue or for confirmation prior to the			
	replacement of suspect components, contact the Engine Support Call Center at			
	1-800-477-0251.			
Verification Drive Cycle	To validate the repair:			
	With the brakes set, turn the key to the ON position with the engine off, and allow 10			
	seconds for the system to initialize and run diagnostics.			
	Back to Choose Code			
	Back to Index			

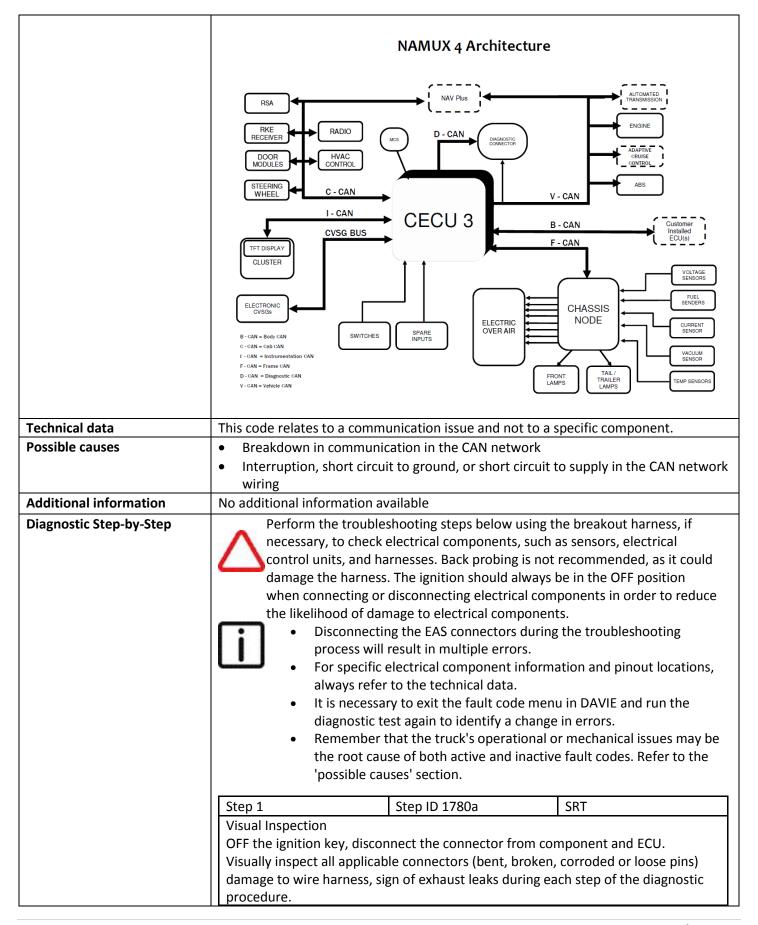


r			
Code number	U1780		
Fault code description	CAN communication - Message (TSC1_YYE) rate too low		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type - Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL STEERING WHEEL MCS Diagnostic CAN Diagnostic CAN Diagnostic CAN PACCAR Display Vehicle CAN Vehicle CAN CVSG BUS Frame CAN FIREWALL FRONT TAIL/ TRANSIS SENSORS FRESSURE SENSORS FRESSURE SENSORS FRESSURE SENSORS FREWALL FRONT TAIL/ TRALER LAMPS FRONT TAIL/ TRALER LAMPS TEMP SENSORS		









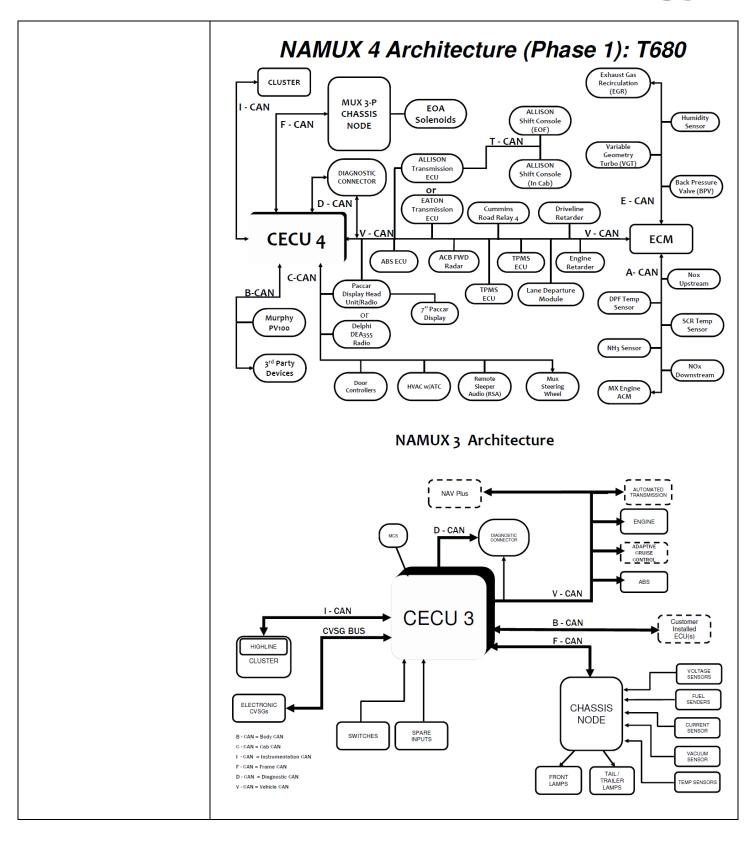


	Was there evidence of any of the above?				
	No: Proceed to step 2.				
	 Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. 				
	'				
	Step 2	Step ID 1780b	SRT		
	Data check				
	 Lookup the technical data of the specific system Perform the checking data test of the specific component Is test pass? 				
	No: Procee	d to step 3			
	Yes : Procee	ed to step4			
	Step 3	Step ID 1780c	SRT		
	Repair or replace co	omponent			
	 Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive : Issue resolved. Clear inactive fault. 				
	Step 4	Step ID 1780d	SRT		
	For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at				
Verification Drive Cycle		<u> </u>			
vermeation brive cycle	•		position with the engine off and		
	 allow 10 seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes. Back to Choose Code				
Verification Drive Cycle	 Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. Step 4 Step ID 1780d For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251. To validate the repair: With the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes. 				

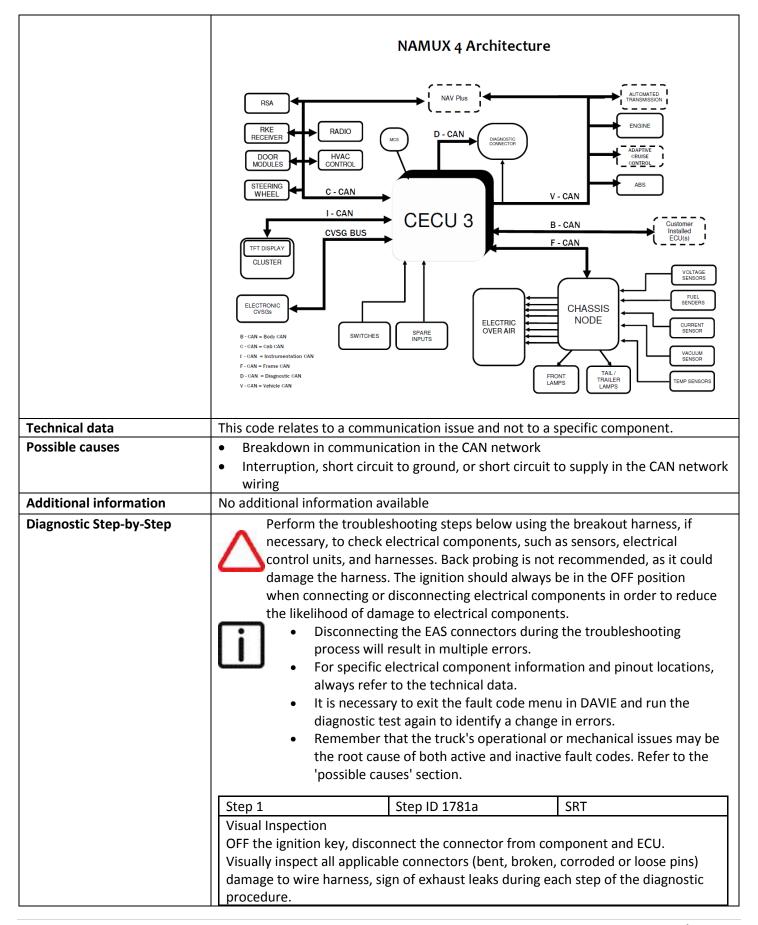


Code number	U1781		
Fault code description	CAN communication - Message (TSC_PE) rate too low		
Fault code information	3 drive cycle recovery		
radic code information	Readiness group – None		
	Freeze frame type - Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component. This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code	This diagnostic runs continuously when the ignition is on.		
	This DTC sharpes to inputive as soon as the arrest is no larger datasted		
Reset condition of fault code Electrical diagram(s)	This DTC changes to inactive as soon as the error is no longer detected.		
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN FIREWALL Aftertreatment CAN Aftertreatment CAN FIREWALL FI		









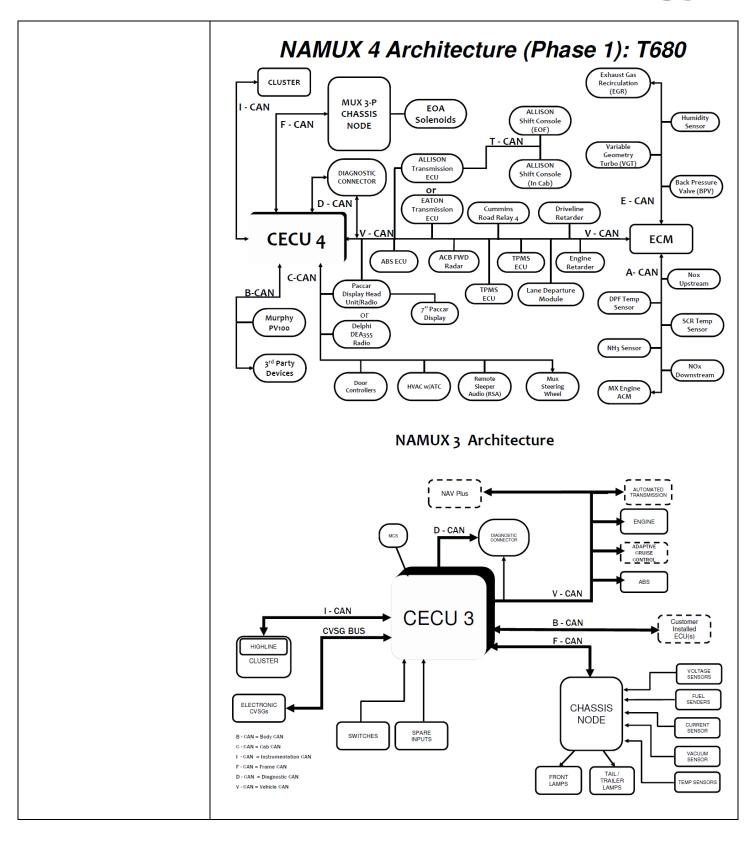


	 Was there evidence of any of the above? No: Proceed to step 2. Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2 		
	Step 2	Step ID 1781b	SRT
	 Data check Lookup the technical data of the specific system Perform the checking data test of the specific component Is test pass? 		
	No: Proceed to step 3 Yes : Proceed to step4		
	Step 3	Step ID 1781c	SRT
	 Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. 		
	Stop 4	Cton ID 1701d	CDT
	Step 4 Step ID 1781d SRT For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251.		
Verification Drive Cycle	To validate the repair, with the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics.		
	With the brakes set, start the engine and allow it to run at idle for 2 minutes. Back to Choose Code Back to Index		

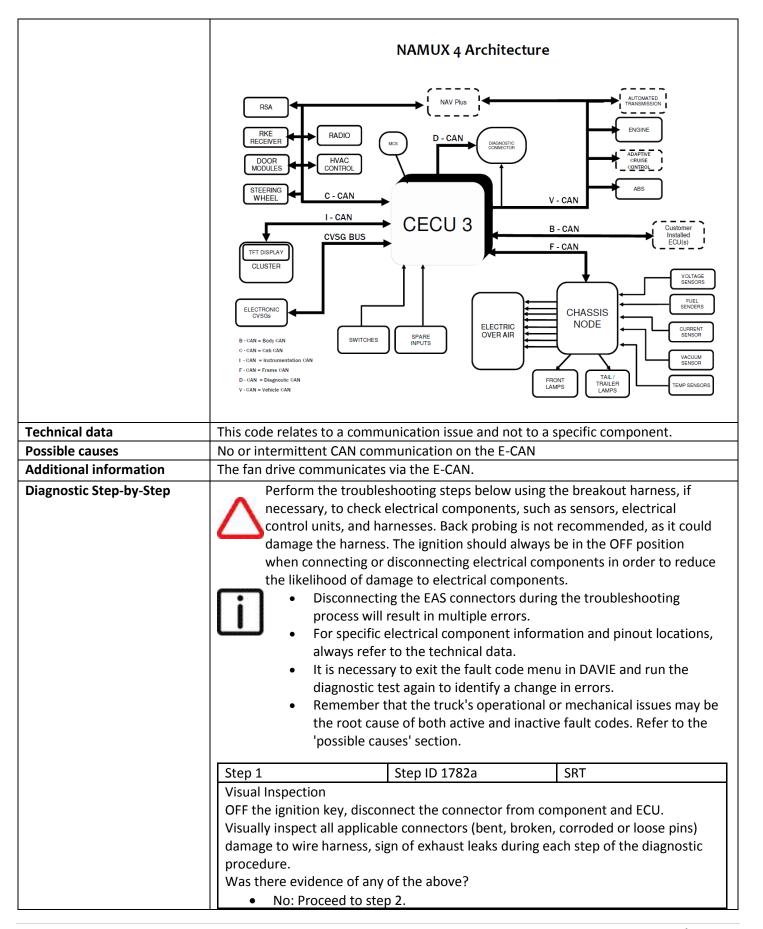


Code number	U1782		
Fault code description	Fan drive - CAN communication error - message rate too low		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type - Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code	The PCI ECU (D420) no longer receives CAN messages from the fan drive.		
Reset condition of fault code	This DTC will change to inactive immediately after the diagnostic runs and passes.		
Electrical diagram(s)			
	Diagnostic CAN STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR Display Vehicle CAN Vehicle CAN Vehicle CAN Vehicle CAN Voltage SENSORS FUEL SENSORS SPARE INPUTS SPARE INPUTS FIREWALL Aftertreatment CAN Lamps FIREWALL Aftertreatment CAN Lamps FIREWALL Aftertreatment CAN Lamps FIREWALL Aftertreatment CAN Vehicle CAN Vehicle CAN Voltage SENSORS Voltage SENSORS Voltage SENSORS Voltage SENSORS FUEL SENSORS VACUUM SENSORS FRONT TAIL TAIL TRAILER LAMPS TAIL TRAILER LAMPS TEMP SENSORS		









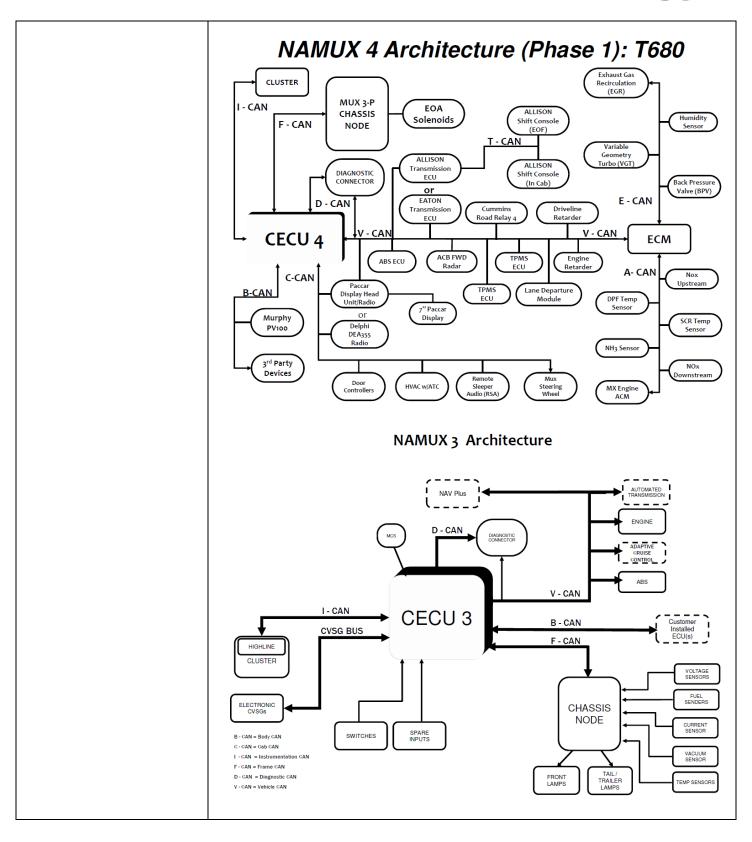


	Yes: Make the appropriate repairs or component replacements. Hea DAVIE to replace for the presence of active fourth.			
	 Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. 			
	If this related fault is still active, Proceed to step 2			
	Step 2	Step ID 1782b	SRT	
	Data check			
	 Lookup the technical data of the specific system Perform the checking data test of the specific component Is test pass? No: Proceed to step 3 Yes: Proceed to step4 			
	Tes. Floce			
	Step 3 Step ID 1782c SRT Repair or replace component			
	 Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: 			
	Is DTC fault active: Proceed to step 4 Is DTC fault in attive a leave reaching different in attive fault.			
	Is DTC fault inactive : Issue resolved. Clear inactive fault.			
	Step 4 Step ID 1782d SRT			
	For further assistance in diagnosing this issue or for confirmation prior to the			
	replacement of sus 1-800-477-0251.	spect components, contact the	Engine Support Call Center at	
Verification Drive Cycle	To validate the repair, with the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes.			
	With the brakes set, start the engine and allow it to run at idle for 2 minutes. Back to Choose Code			
	Back to Index			

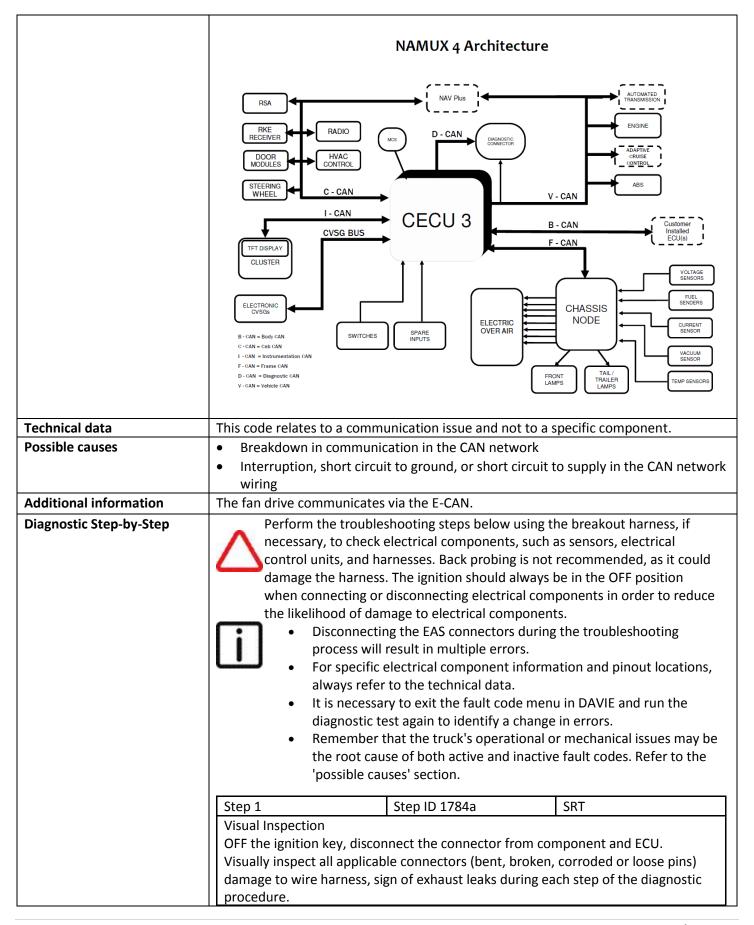


Code number	U1784
Fault code description	Fan speed - Data erratic, intermittent or incorrect
Fault code information	3 drive cycle recovery
	Readiness group – None
	Freeze frame type - Generic
Description of component(s)	This code relates to a communication issue and not to a specific component.
Location of component(s)	This code relates to a communication issue and not to a specific component.
Diagnostic condition	This diagnostic runs continuously when the ignition is on.
Set condition of fault code	
Reset condition of fault code	This DTC will change to inactive immediately after the diagnostic runs and passes.
Electrical diagram(s)	
	Diagnostic CAN STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR DISplay Vehicle CAN Vehicle CAN Vehicle CAN CURRENT SENSORS Frame CAN FIREWALL Aftertreatment CAN LIAUTO TRANSMISSION ENGINE ABS ONTER VOIT AGE SENSORS FUE SENSORS SWITCHES Frame CAN FIREWALL FIREWALL Aftertreatment CAN FIREWALL TALL TEMP SENSORS FIREWALL TEMP SENSORS









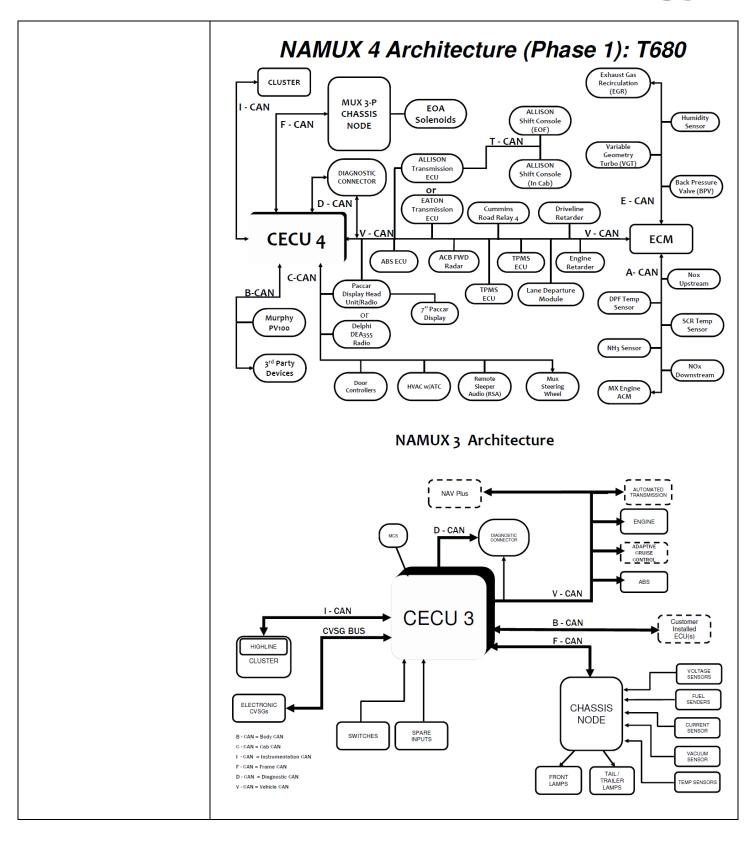


	Was there evid	ence of any of the above?	
	No: Proceed to step 2.		
	Yes: Ma	ake the appropriate repairs or com	nponent replacements.
	Use DAVIE to re-check for the presence of active faults.		
	If this related fault is no longer active, then this issue has been resolved.		
	• If this r	elated fault is still active, Proceed	to step 2
	Step 2	Step ID 1784b	SRT
	Data check		
	 Lookup 	the technical data of the specific	system
	 Perform 	n the checking data test of the spe	ecific component
	Is test pass?		
	No: Pro	oceed to step 3	
	• Yes : Pr	oceed to step4	
	Step 3 Step ID 1784c SRT		
	Repair or replac		
	Repair or replace the component, also check for electrical connection and wiring harness .		
	Reconnect the connector		
	ON the ignition key		
	Use DAVIE to re-check for the presence of active faults:		
	Is DTC fault active: Proceed to step 4		
	Is DTC fault inactive : Issue resolved. Clear inactive fault.		
	Step 4	Step ID 1784d	SRT
	For further assistance in diagnosing this issue or for confirmation prior to the		
	1 1 '	suspect components, contact the	Engine Support Call Center at
	1-800-477-0252	1.	
Verification Drive Cycle	To validate the	repair, with the brakes set, turn th	ne key to the ON position with
		and allow 10 seconds for the syste	em to initialize and run
	diagnostics.		
	With the brakes	s set, start the engine and allow it	
			Back to Choose Code
			Back to Index

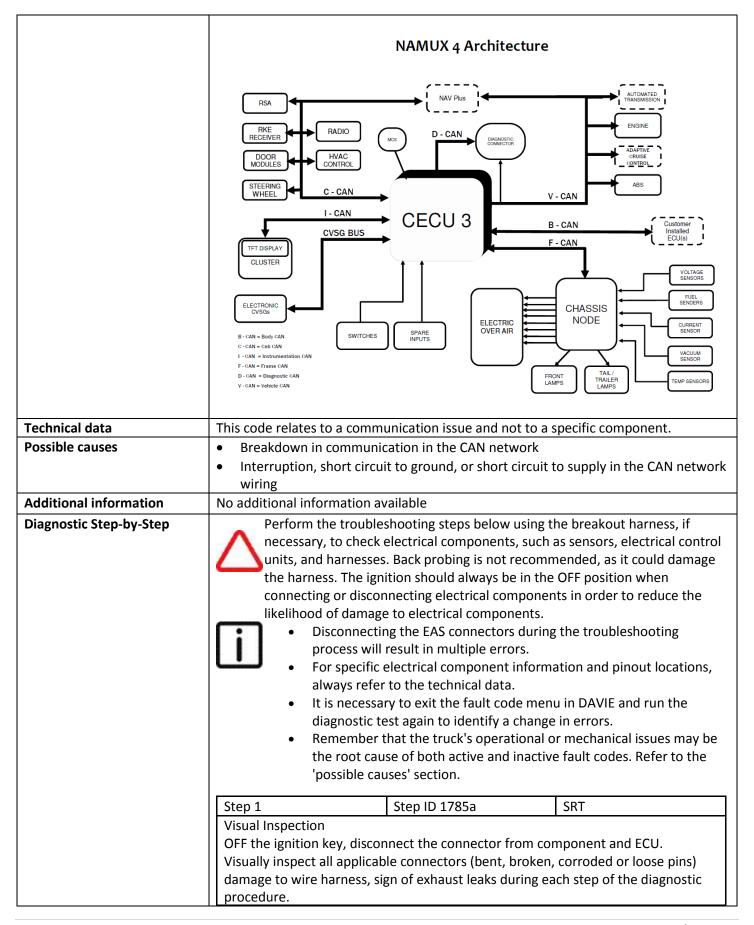


Code number	U1785
Fault code description	CAN communication - Message (PROPB_EST) rate too low from retarder
Fault code information	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	This code relates to a communication issue and not to a specific component.
Location of component(s)	This code relates to a communication issue and not to a specific component.
Diagnostic condition	This diagnostic runs continuously when the ignition is on.
Set condition of fault code	
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.
Electrical diagram(s)	
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL STEERING WHEEL MCS Diagnostic CAN ITRANSMISSION PACCAR Display FIREWALL Aftertreatment CAN LENGINE LOUTE COUNTED TAIL COUNTED TAIL TAIL TAIL TAIL TAIL TAIL TAIL TRANLER LAMPS TEMP SENSORS









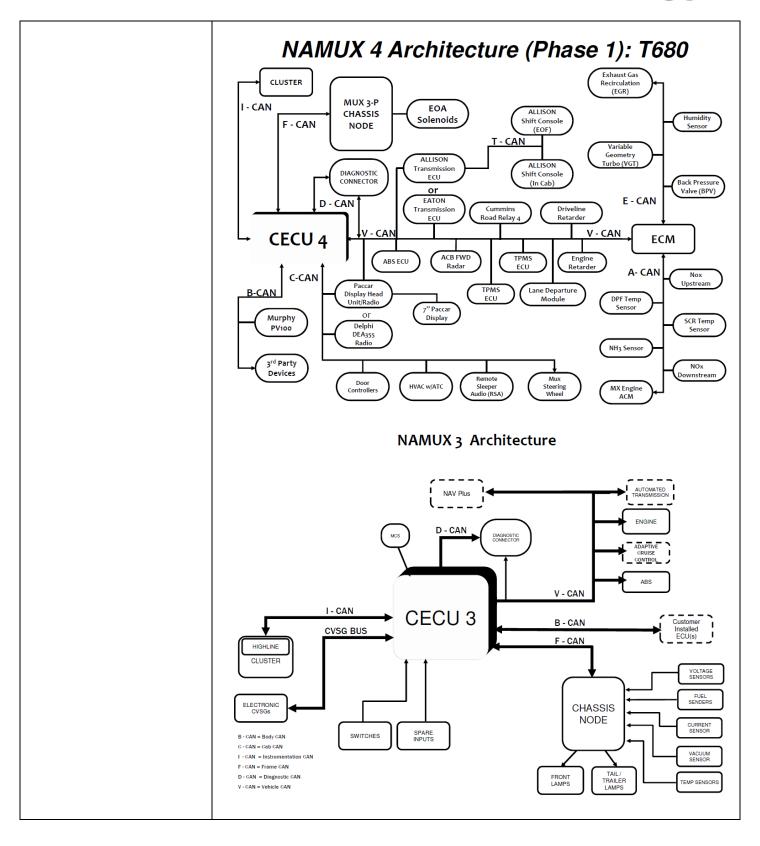


	Was there evidence	of any of the above?		
	No: Proceed	No: Proceed to step 2.		
	Yes: Make t			
	Use DAVIE to re-check for the presence of active faults.			
	If this relate	If this related fault is no longer active, then this issue has been resolved.		
	If this relate	d fault is still active, Proceed t	o step 2	
	Step 2	Step ID 1785b	SRT	
	Data check			
	Lookup the	technical data of the specific s	system	
	Perform the	checking data test of the spe	cific component	
	Is test pass?			
	No: Proceed	to step 3		
	Yes : Procee	ed to step4		
	Step 3	Step 3 Step ID 1785c SRT		
	Repair or replace co	mponent		
	Repair or replace the component, also check for electrical connection and			
	wiring harness.			
	Reconnect t	Reconnect the connector		
	ON the ignition key			
	Use DAVIE to re-check for the presence of active faults:			
	Is DTC fault active: Proceed to step 4			
	Is DTC fault inactive: Issue resolved. Clear inactive fault.			
	Step 4	Step ID 1785d	SRT	
	For further assistance in diagnosing this issue or for confirmation prior to the			
	replacement of suspect components, contact the Engine Support Call Center at			
	1-800-477-0251.			
Verification Drive Cycle	To verify the repair:			
		With the brakes set, turn the key to the ON position with the engine off, and allow 10		
	seconds for the system to initialize and run diagnostics.			
	With the brakes set,	start the engine and allow it to		
			Back to Choose Code	
			Back to Index	

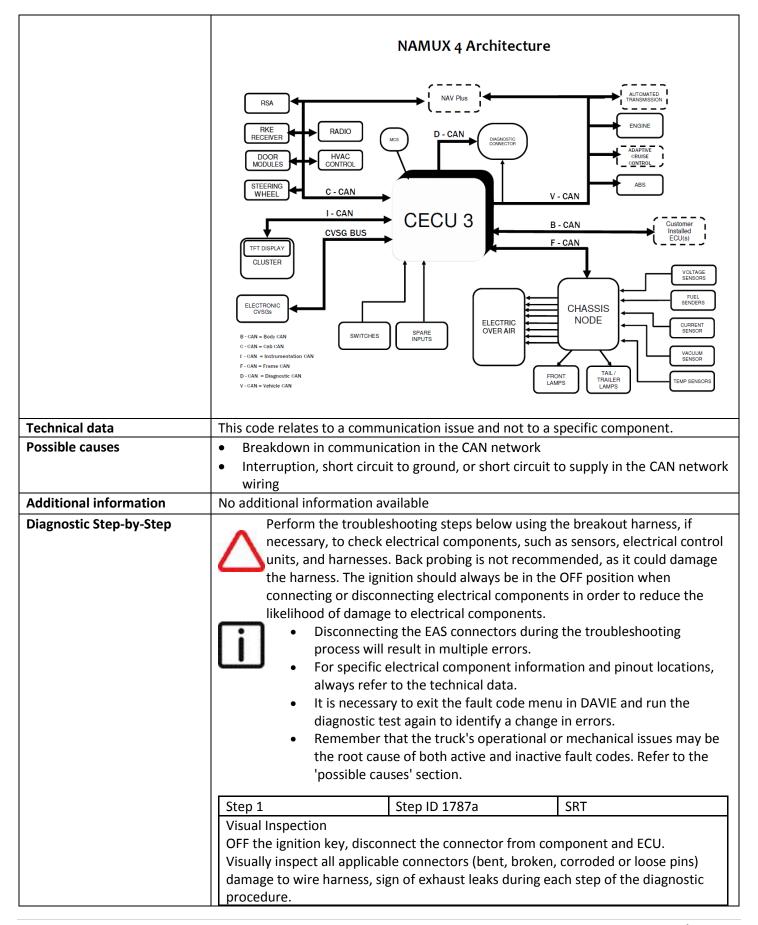


Code number	U1787		
Fault code description	CAN communication - Message (PROPB_EST) out of range - coolant liquid		
	temperature from retarder		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR DISPIBLY VOLTAGE SENSORS FUEL CUBRENT SENSOR SPARE INPUTS FIREWALL FRONT TALL/ TEMP SENSORS FIREWALL Aftertreatment CAN Aftertreatment CAN Aftertreatment CAN Aftertreatment CAN CUBRENT SENSOR FUEL SENSOR FIREWALL FRONT TALL/ TEMP SENSORS FIREWALL FRONT TALL/ TEMP SENSORS		









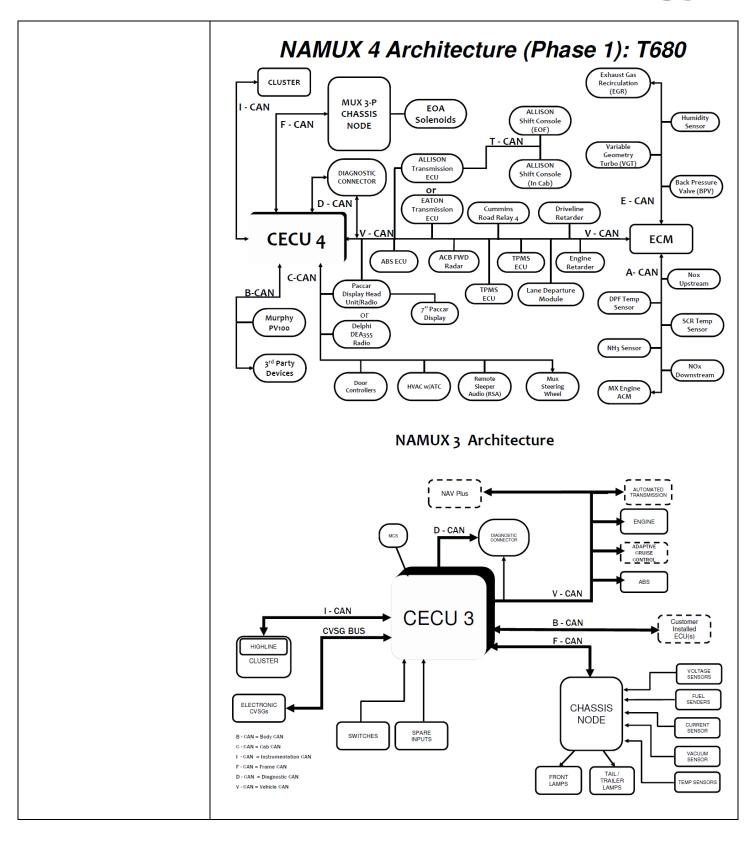


		Was there evidence of any of the above? • No: Proceed to step 2.			
		•			
		 Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. 			
		•			
		ted fault is no longer active, the			
	If this rela	If this related fault is still active, Proceed to step 2			
	Step 2	Step ID 1787b	SRT		
	Data check	Step 15 17 67 5			
		e technical data of the specific	system		
		he checking data test of the spe	•		
	Is test pass?	The checking data test of the spe	is the component		
		ed to step 3			
	Yes : Proce	eed to step4			
	Step 3	Step 3 Step ID 1787c SRT			
	Repair or replace	component			
	11	Repair or replace the component, also check for electrical connection			
	 and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: 				
		It active: Proceed to step 4			
	Is DTC fau	Is DTC fault inactive: Issue resolved. Clear inactive fault.			
	Step 4	Step ID 1787d	SRT		
	For further assista	For further assistance in diagnosing this issue or for confirmation prior to the			
	1 I	replacement of suspect components, contact the Engine Support Call Center at			
	1-800-477-0251.				
Verification Drive Cycle	To verify the repair				
		· · · · · · · · · · · · · · · · · · ·	n with the engine off, and allow 10		
	seconds for the system to initialize and run diagnostics.				
	With the brakes set	, start the engine and allow it to			
			Back to Choose Code		
			Back to Index		

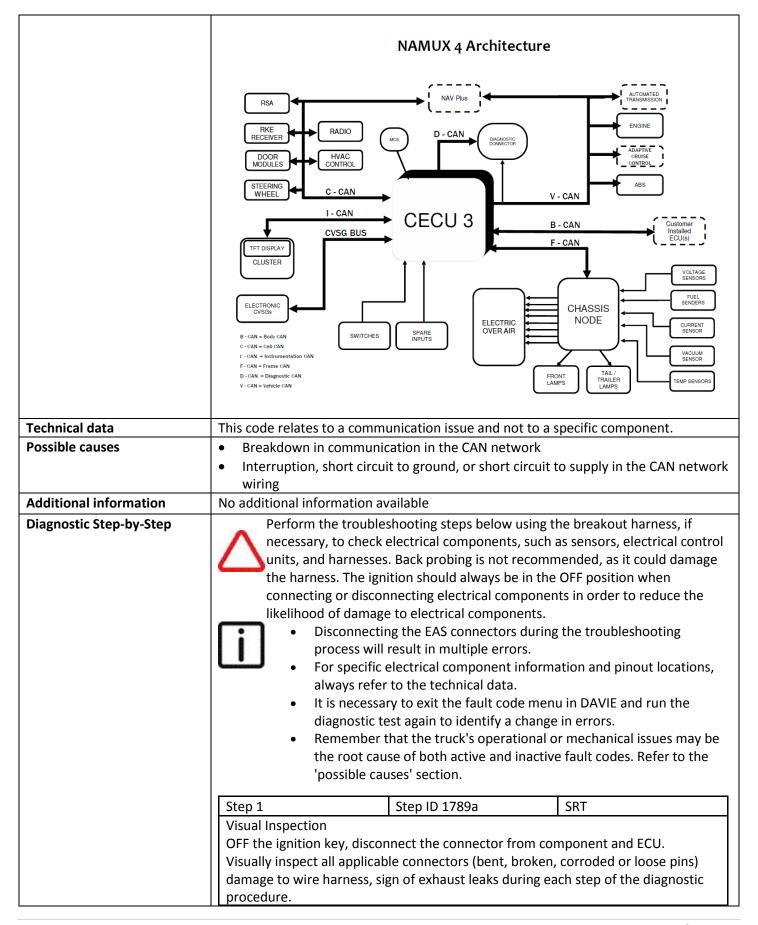


Code number	U1789		
Fault code description	CAN communication - Message (PROBA_BBM_to_Eng) out of range - starter interrupt		
En la code de Constant	from Body Builder Module		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN PACCAR Diagnostic CAN URANISSION PACCAR Display Vert Actuator After-reatment DCU VOITAGE SENSORS FIREWALL FIREWALL FIREWALL FIREWALL FIREWALL FIREWALL FIREWALL FIREWALL After-reatment CAN PACCAR Display Vert Actuator After-reatment DCU VOITAGE SENSORS FRONT SENSOR VACUUUM SENSOR TEMP SENSORS TEMP SENSORS VACUUUM SENSORS TEMP SENSORS TEMP SENSORS TEMP SENSORS		











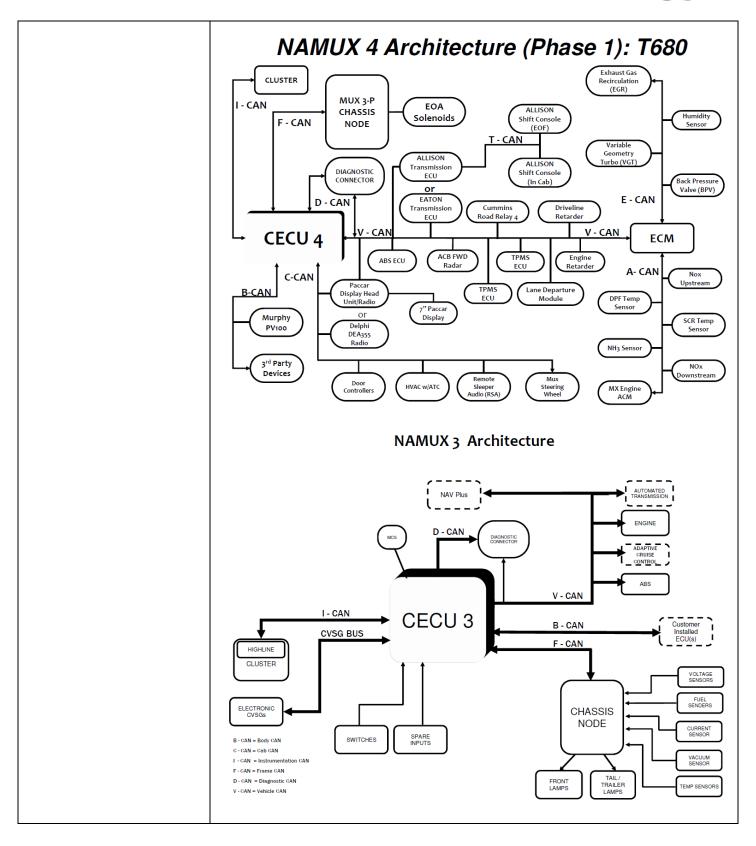
	Was there evidence	of any of the above?	
	No: Proceed	I to step 2.	
	Yes: Make the appropriate repairs or component replacements.		
	Use DAVIE to re-check for the presence of active faults.		
	 If this relate 	d fault is no longer active, the	n this issue has been resolved.
	 If this relate 	d fault is still active, Proceed t	o step 2
	Step 2	Step ID 1789b	SRT
	Data check		
	Lookup the	technical data of the specific s	ystem
	Perform the	checking data test of the spec	cific component
	Is test pass?		
	No: Proceed	l to step 3	
	Yes : Procee	d to step4	
	Step 3	Step ID 1789c	SRT
	Repair or replace component		
	Repair or replace the component, also check for electrical connection and		
	wiring harness.		
	Reconnect the connector		
	ON the ignition key		
	Use DAVIE to re-check for the presence of active faults:		
	Is DTC fault active: Proceed to step 4		
	Is DTC fault inactive: Issue resolved. Clear inactive fault.		
	Step 4	Step ID 1789d	SRT
	For further assistance in diagnosing this issue or for confirmation prior to the		
	replacement of suspect components, contact the Engine Support Call Center at		
	1-800-477-0251.		
Verification Drive Cycle	To verify the repair:		
	With the brakes set, turn the key to the ON position with the engine off, and allow 10		_
	seconds for the system to initialize and run diagnostics.		
	With the brakes set, s	start the engine and allow it to	
			Back to Choose Code
			Back to Index



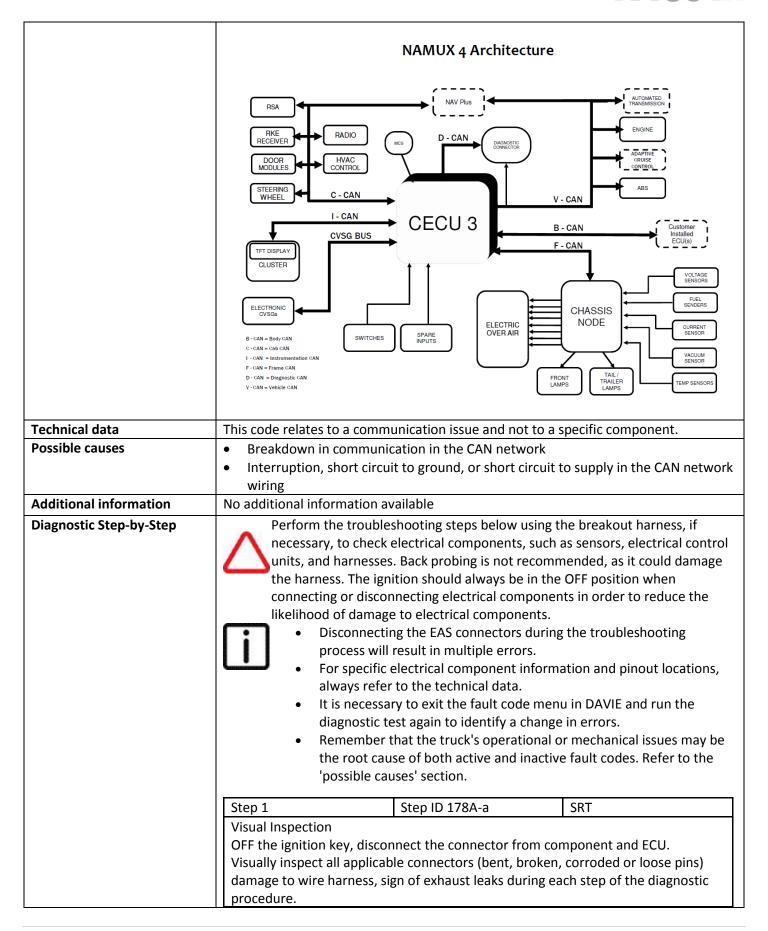
U178A

Code number	U178A		
Fault code description	CAN communication - Message (PROBA_BBM_to_Eng) out of range - ESC enable from		
	Body Builder Module		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab Aftertreatment CAN Diagnostic CAN WHEEL MCS Diagnostic CAN Diagnostic CAN Diagnostic CAN FIREWALL ABS CONNECTOR PACCAR Display Vehicle CAN Vehicle CAN Voltage SENSORS FUEL SENSORS FUEL SENSORS FUEL SENSORS SPARE INPUTS FRONT TAIL TEMP SENSORS TEMP SENSORS		







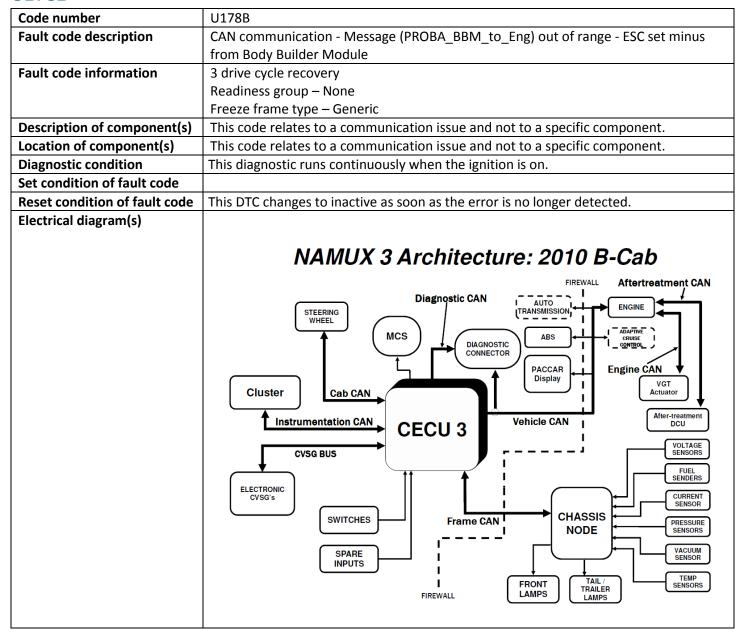




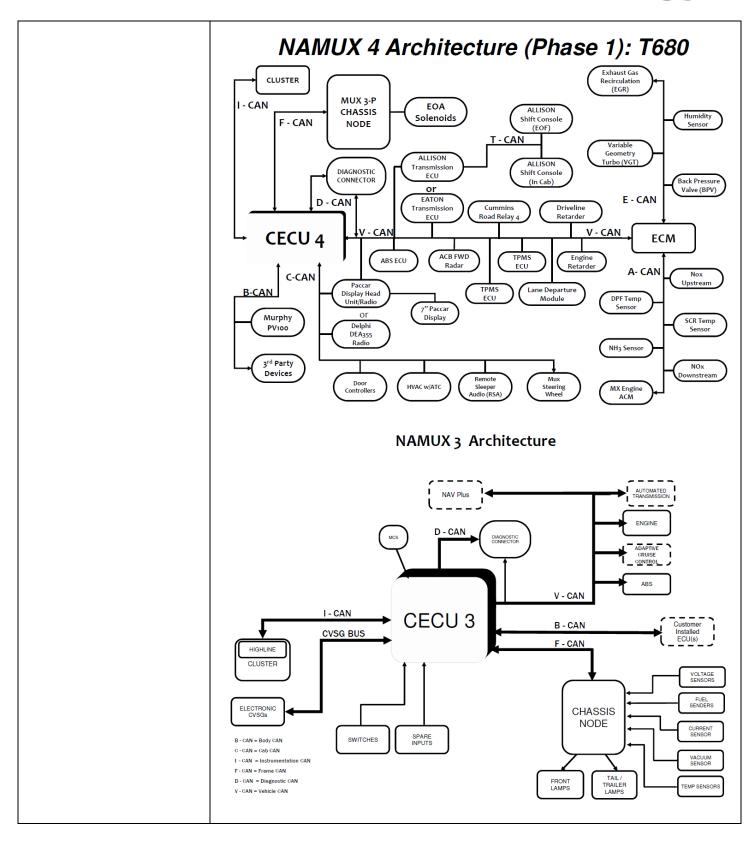
	Was there evidence of any of the above?			
	No: Procee	d to step 2.		
	Yes: Make	the appropriate repairs or comp	oonent replacements.	
	Use DAVIE to re-check for the presence of active faults.			
	If this related fault is no longer active, then this issue has been resolved.			
		ed fault is still active, Proceed to		
		•		
	Step 2	Step ID 178A-b	SRT	
	Data check	· ·	·	
	 Lookup the 	technical data of the specific s	ystem	
	Perform th	e checking data test of the spec	cific component	
	Is test pass?	·	·	
	No: Procee	d to step 3		
	Yes : Proce	ed to step4		
		1331133334 13 313 1		
	Step 3	Step ID 178A-c	SRT	
	Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults:			
	 Is DTC fault 	active: Proceed to step 4		
	 Is DTC fault 	Is DTC fault inactive: Issue resolved. Clear inactive fault.		
	Step 4	Step ID 178A-d	SRT	
	For further assistar	ce in diagnosing this issue or fo	or confirmation prior to the	
	replacement of suspect components, contact the Engine Support Call Center at 1-			
	800-477-0251.			
Verification Drive Cycle	To verify the repair:		<u> </u>	
	With the brakes set, turn the key to the ON position with the engine off, and allo		<u> </u>	
	7	em to initialize and run diagnos		
	With the brakes set,	start the engine and allow it to		
			Back to Choose Code	
			Back to Index	



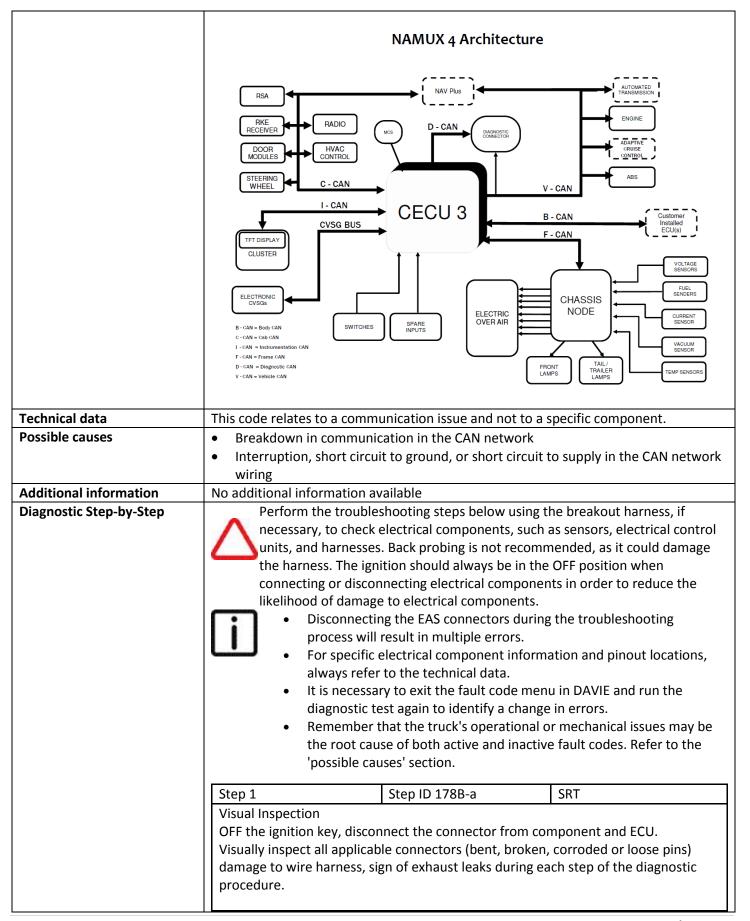
U178B













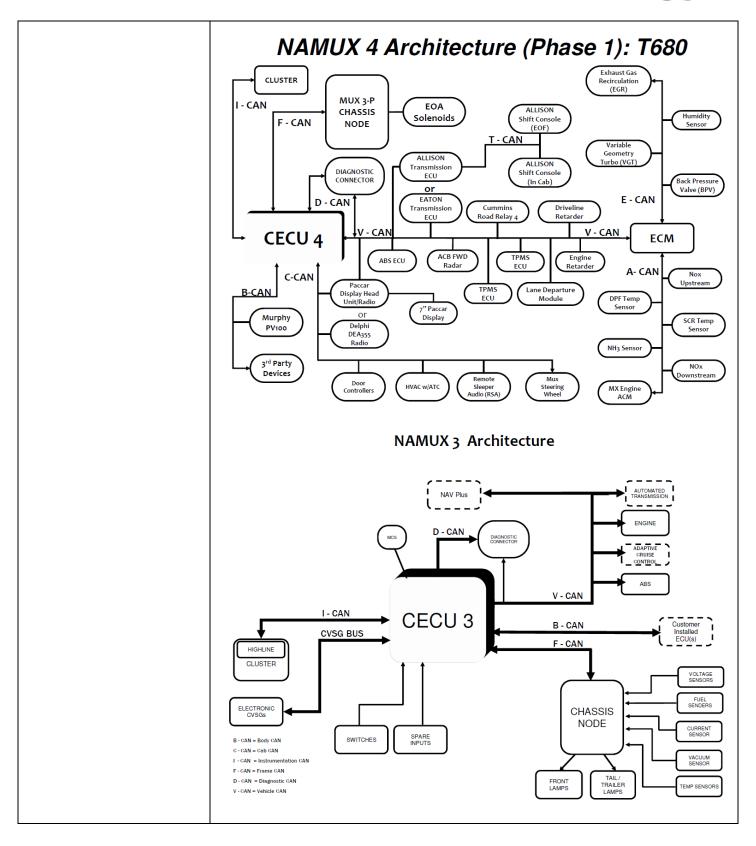
		t til 1 2	
	Was there evidence of any of the above?		
		eed to step 2.	
	Yes: Make the appropriate repairs or component replacements.		
	Use DAVIE to re-check for the presence of active faults.		
		lated fault is no longer active, the	
	If this rel	lated fault is still active, Proceed t	to step 2
	Step 2	Step ID 178B-b	SRT
	Data check		
	 Lookup t 	he technical data of the specific s	system
	 Perform 	the checking data test of the spec	cific component
	Is test pass?	-	·
	No: Proc	eed to step 3	
	Yes : Pro	ceed to step4	
	Step 3 Step ID 178B-c SRT		
	Repair or replace	e component	
	Repair or replace the component, also check for electrical connection and wiring harness.		
	Reconnect the connector		
	ON the ignition key		
	Use DAVIE to re-check for the presence of active faults:		
	Is DTC fault active: Proceed to step 4		
	Is DTC fault inactive: Issue resolved. Clear inactive fault.		
	Step 4	Step ID 178B-d	SRT
		tance in diagnosing this issue or fo	
		suspect components, contact the	·
	1-800-477-0251.	· · · · · · · · · · · · · · · · · · ·	0
Verification Drive Cycle	To verify the repa	ir:	
	1		n with the engine off, and allow 10
		rstem to initialize and run diagnos	- · · · · · · · · · · · · · · · · · · ·
	· ·	et, start the engine and allow it to	
			Back to Choose Code
			Back to Index



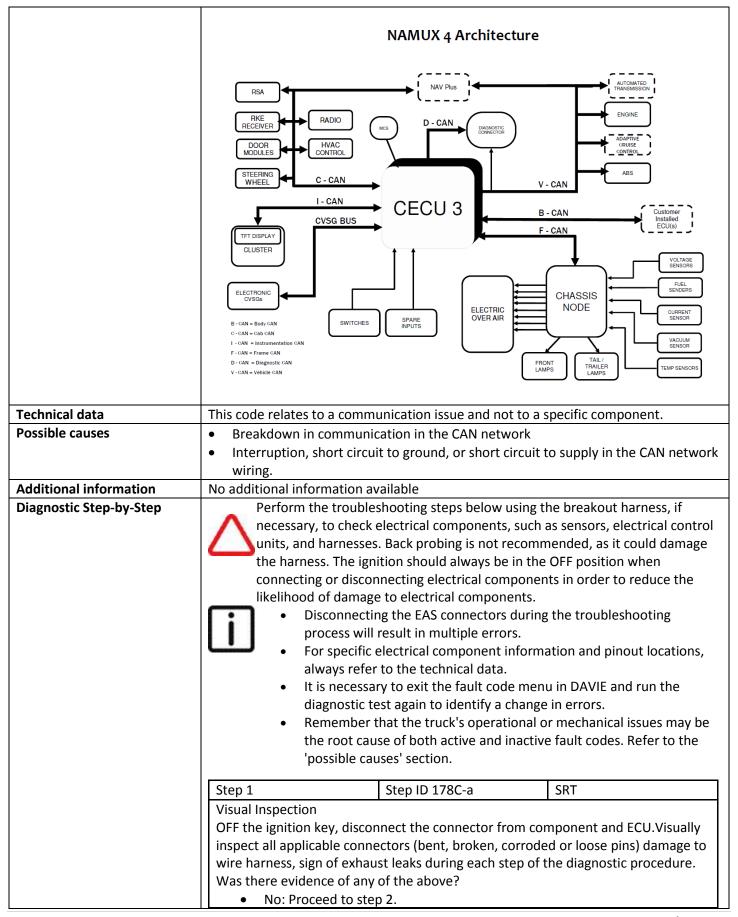
U178C

Code number	U178C		
Fault code description	CAN communication - Message (PROBA_BBM_to_Eng) out of range - ESC set plus		
	from Body Builder Module		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL STEERING WHEEL MCS Diagnostic CAN INSTRUMENT CONTROL CONTROL		











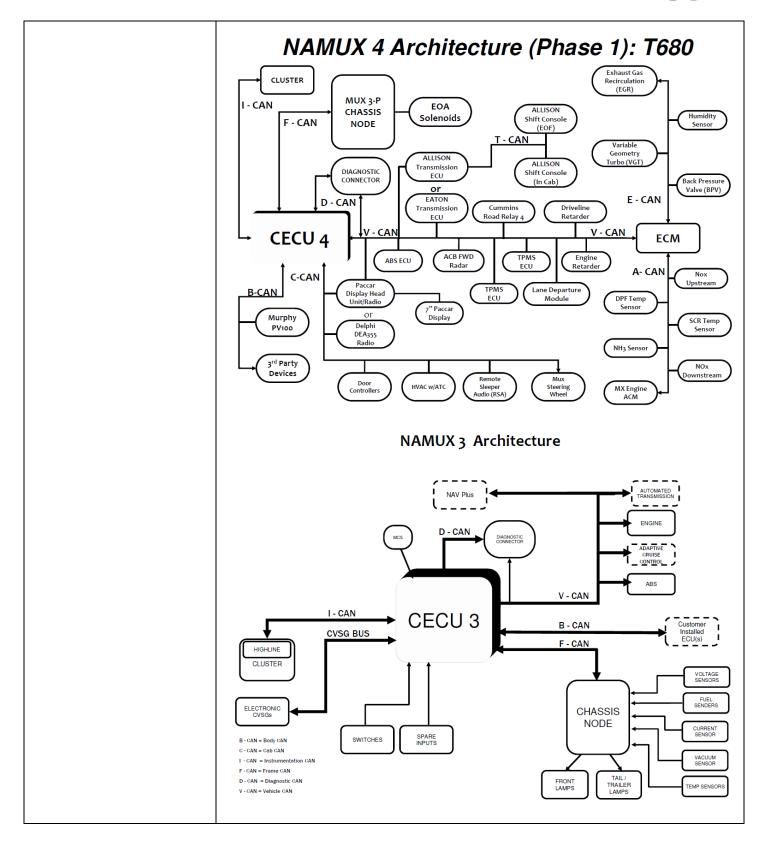
	 Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2 			
	Step 2	Step ID 178C-b	SRT	
	 Data check Lookup the technical data of the specific system Perform the checking data test of the specific component Is test pass? No: Proceed to step 3 Yes: Proceed to step4 			
	Step 3	Step ID 178C-c	SRT	
	 Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: 			
	 Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. 			
	Step 4	Step ID 178C-d	SRT	
	For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251.			
Verification Drive Cycle	To verify the repair:			
	With the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics With the brakes set, start the engine and allow it to run at idle for 2 minutes			
	Back to Choose Code			
	Back to Index			



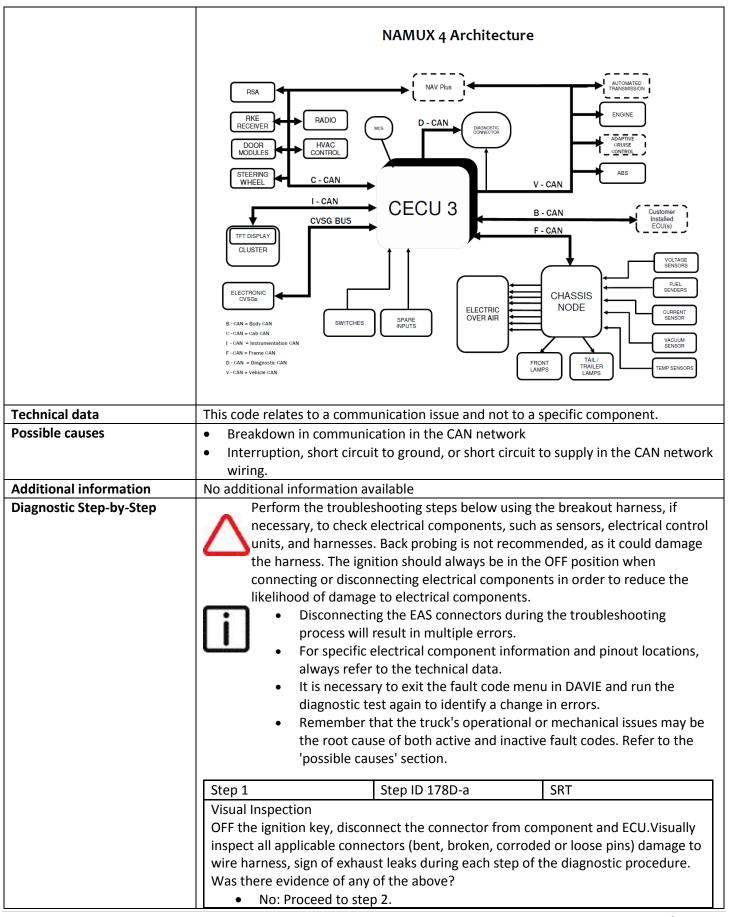
U178D

Code number	U178D			
Fault code description	CAN communication - Message (PROBA_BBM_to_Eng) out of range – ESC variable			
	from Body Builder Module			
Fault code information	3 drive cycle recovery			
	Readiness group – None			
	Freeze frame type – Generic			
Description of component(s)	This code relates to a communication issue and not to a specific component.			
Location of component(s)	This code relates to a communication issue and not to a specific component.			
Diagnostic condition	This diagnostic runs continuously when the ignition is on.			
Set condition of fault code				
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.			
Electrical diagram(s)				
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN INSTEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR DISplay Vehicle CAN Vehicle CAN CVSG BUS Frame CAN FIREWALL Aftertreatment CAN Vehicle CAN ABS Vehicle CAN CVSG BUS Frame CAN FRESSURE SENSORS FRESSURE SENSORS FREWALL FRONT TAIL TAIL TAIL TAIL TEMP SENSORS TEMP TRAILER LAMPS FRONT TAIL TEMP SENSORS			











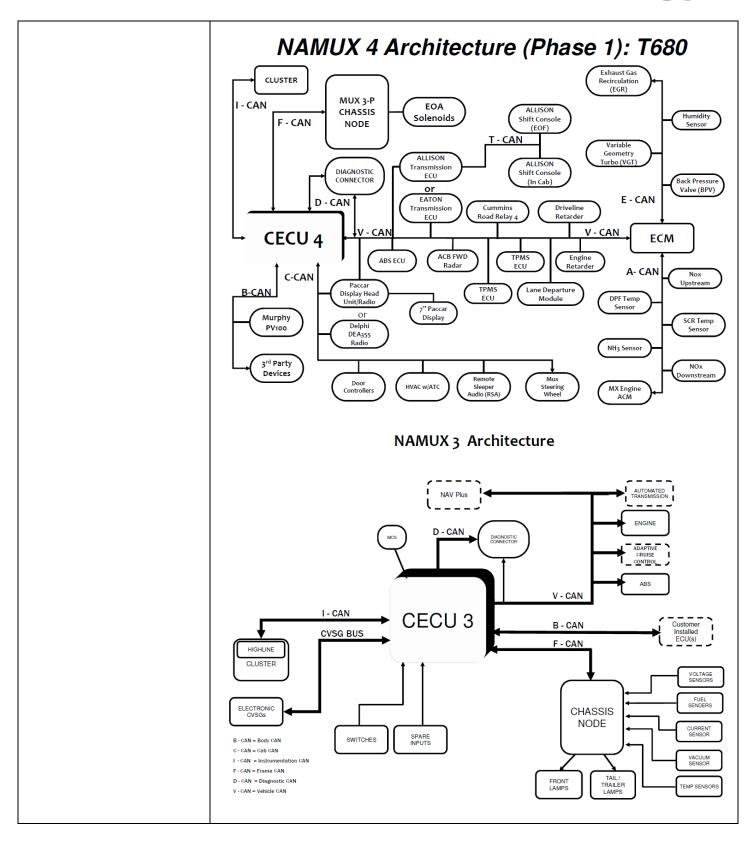
Step 2 Step ID 178D-b SRT Data check Lookup the technical data of the specific system Perform the checking data test of the specific component Is test pass? No: Proceed to step 3 Yes: Proceed to step4 Step 3 Step ID 178D-c SRT Repair or replace component Repair or replace the component, also check for electrical connection and	 Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2 				
 Lookup the technical data of the specific system Perform the checking data test of the specific component Is test pass? No: Proceed to step 3 Yes: Proceed to step4 Step 3 Step ID 178D-c SRT Repair or replace component					
 Perform the checking data test of the specific component Is test pass? No: Proceed to step 3 Yes: Proceed to step4 Step 3 Step ID 178D-c SRT Repair or replace component					
Is test pass? No: Proceed to step 3 Yes: Proceed to step4 Step 3 Step ID 178D-c SRT Repair or replace component	Lookup the technical data of the specific system				
No: Proceed to step 3 Yes : Proceed to step4 Step 3 Step ID 178D-c SRT Repair or replace component	Is test pass?				
Yes : Proceed to step4 Step 3					
Step 3 Step ID 178D-c SRT Repair or replace component					
Repair or replace component	Yes : Proceed to step4				
Repair or replace component					
 Repair or replace the component, also check for electrical connection and 	 Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector 				
unitation becomes					
	 ON the ignition key Use DAVIE to re-check for the presence of active faults: 				
	Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault.				
13 DTC Tault Mactive. 1330C Tesolved. Clear Mactive Tault.					
Step 4 Step ID 178D-d SRT					
For further assistance in diagnosing this issue or for confirmation prior to the	ion prior	ior to the			
replacement of suspect components, contact the Engine Support Call Center at	11				
1-800-477-0251.					
Verification Drive Cycle To verify the repair:					
With the brakes set, turn the key to the ON position with the engine off, and allow	_				
	With the brakes set, start the engine and allow it to run at idle for 2 minutes seconds				
for the system to initialize and run diagnostics	Pack to	k to Chaosa Caa			
	Back to Choose Code Back to Index				



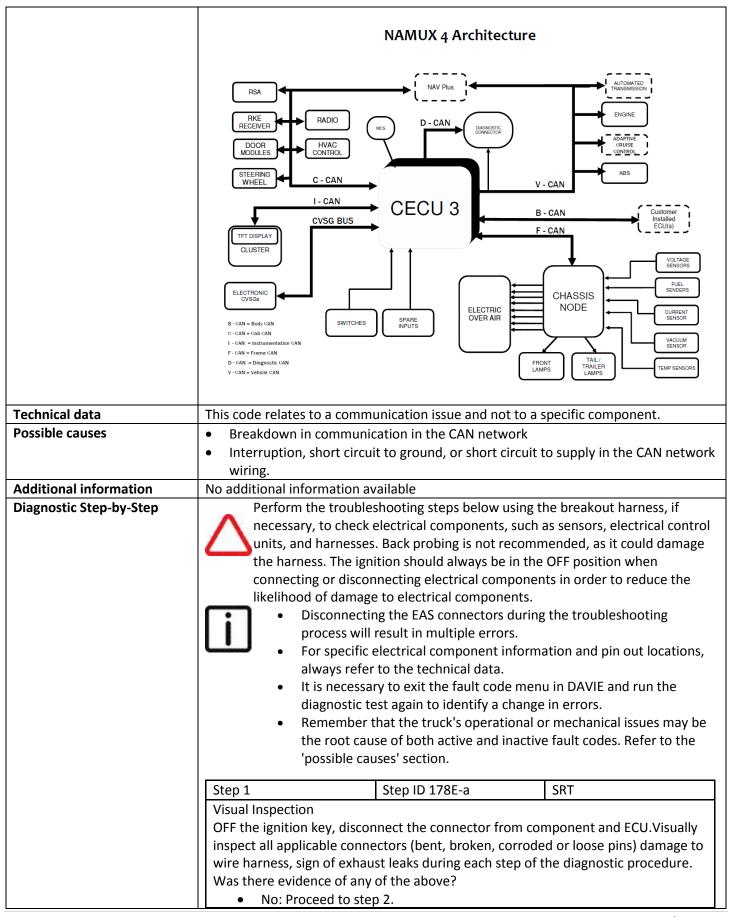
U178E

Code number	U178E			
Fault code description	CAN communication - Message (PROBA_BBM_to_Eng) out of range - Application			
	speed limiter switch 1 from Body Builder Module			
Fault code information	3 drive cycle recovery			
	Readiness group – None			
	Freeze frame type – Generic			
Description of component(s)	This code relates to a communication issue and not to a specific component.			
Location of component(s)	This code relates to a communication issue and not to a specific component.			
Diagnostic condition	This diagnostic runs continuously when the ignition is on.			
Set condition of fault code				
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.			
Electrical diagram(s)				
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN ITRANSMISSION, ENGINE ABS DIAGNOSTIC CONNECTOR PACCAR DISPIAY Vehicle CAN Vehicle CAN CVSG BUS CVSG BUS Frame CAN FREWALL FRONT TABLE SENSORS SPARE INPUTS FIREWALL FRONT TABLE SENSORS TEMP TEMP SENSORS TEMP TEMP SENSORS			











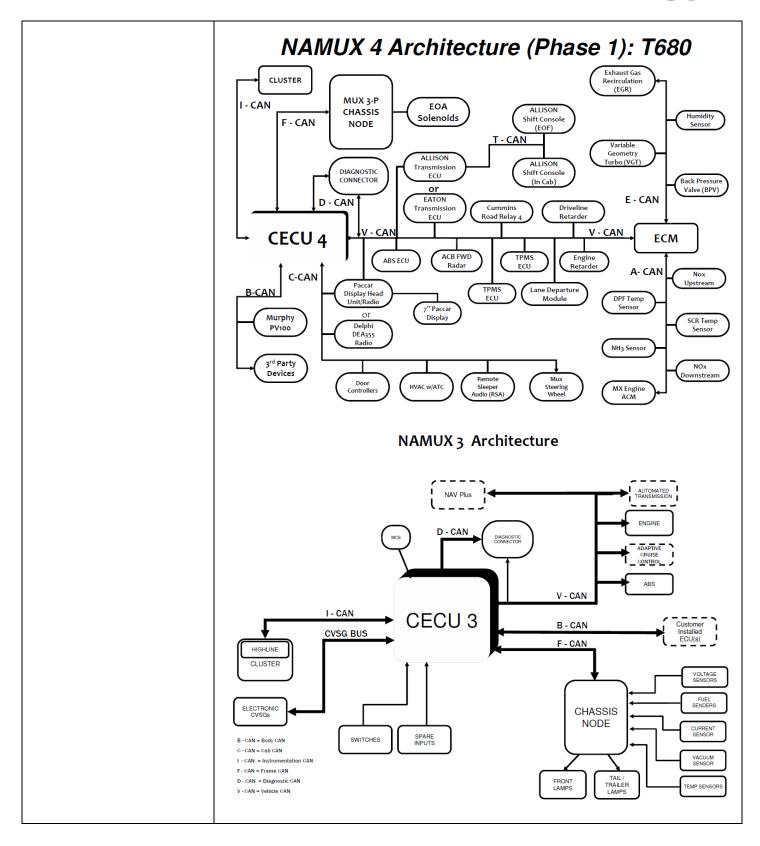
	 Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2 					
	Step 2	Step ID 178E-b	SRT			
	 Data check Lookup the technical data of the specific system Perform the checking data test of the specific component 					
	Is test pass?					
	No: Proceed to step 3					
	• Yes : Proceed to step4					
	Step 3	Step ID 178E-c	SRT			
	Repair or replace co	mponent				
	Repair or replace the component, also check for electrical connection and wiring harness.					
	 Reconnect the connector ON the ignition key 					
	Use DAVIE to re-check for the presence of active faults:					
		 Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. 				
	4 IS DIC lault					
	Step 4	Step ID 178E-d	SRT			
	For further assistance	ce in diagnosing this issue or fo	or confirmation prior to the			
	-	replacement of suspect components, contact the Engine Support Call Center at				
	1-800-477-0251.					
Verification Drive Cycle	To verify the repair:					
		· · · · · · · · · · · · · · · · · · ·	n with the engine off, and allow 10			
	seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes					
	engine and anow it to	Tan at faic for 2 milliates	Back to Choose Code			
	Back to Index					



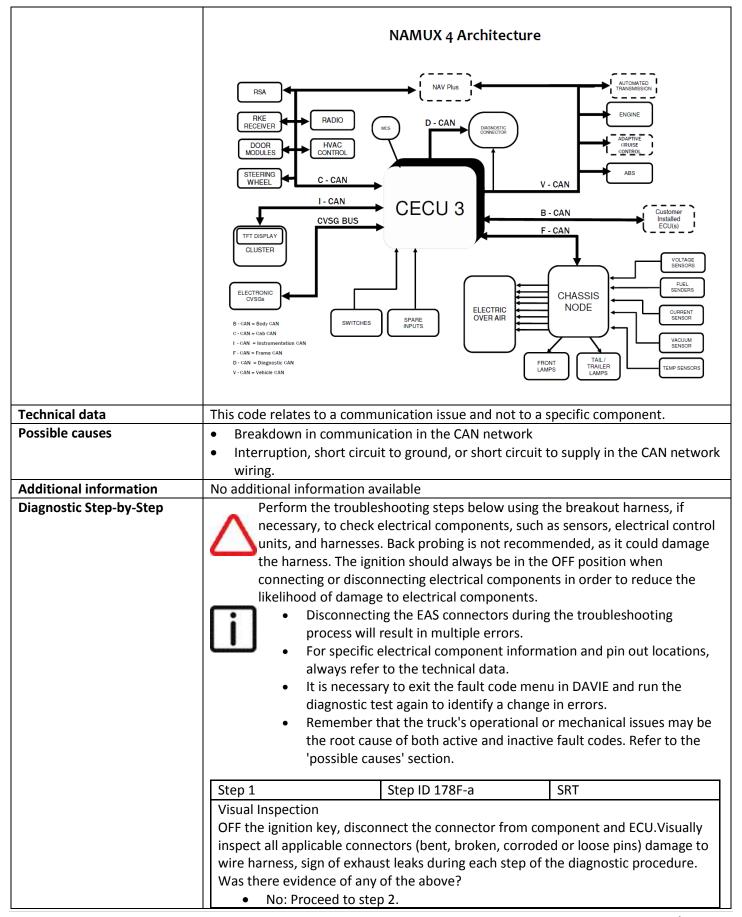
U178F

Code number	U178F		
Fault code description	CAN communication - Message (PROBA_BBM_to_Eng) out of range - ESC n2 from		
	Body Builder Module		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab Diagnostic CAN STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR DISPISY Vehicle CAN Vehicle CAN Vehicle CAN CVSG BUS SPARE INPUTS FIREWALL FRONT TAIL TEMP SENSOR SPARE INPUTS FIREWALL Aftertreatment CAN Aftertreatment CAN Aftertreatment CAN CTA Actuator Vol. TAGE SENSORS FUEL SENSORS FUEL SENSORS NODE FRONT TAIL TEMP SENSORS FIREWALL FRONT TAIL TEMP SENSORS FIREWALL TEMP SENSORS FIREWALL TEMP SENSORS TEMP SENSORS		









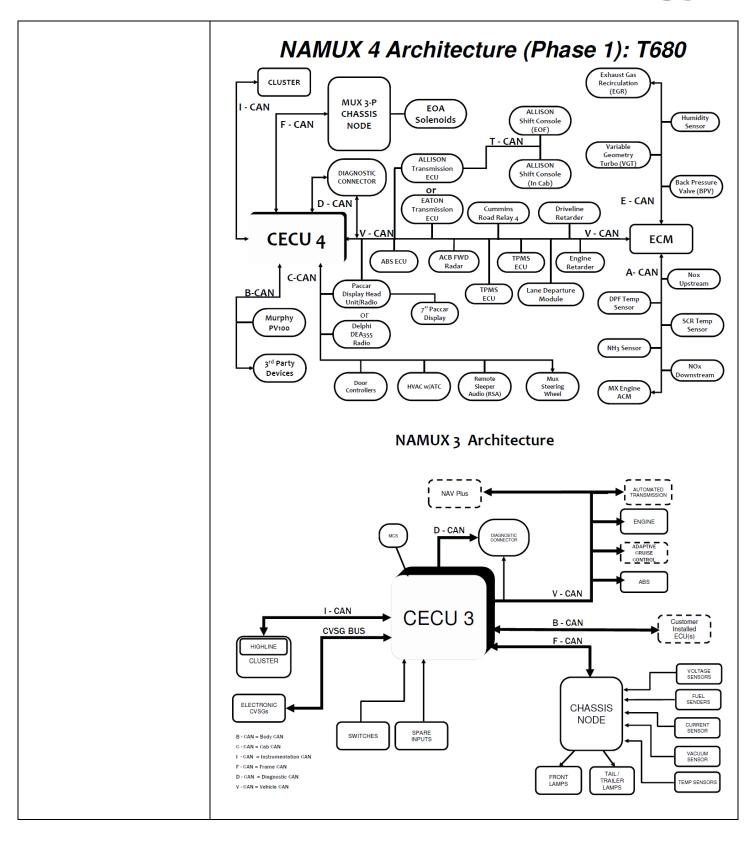


	Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2 Step 2 Step 1D 178F-b SRT Data check Lookup the technical data of the specific system Perform the checking data test of the specific component Is test pass?			
	· ·	No: Proceed to step 3		
		ed to step4		
	Step 3 Step ID 178F-c SRT			
	 Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector 			
	ON the ignition key			
	Use DAVIE to re-check for the presence of active faults:			
	Is DTC fault active: Proceed to step 4			
	Is DTC fault inactive: Issue resolved. Clear inactive fault.			
	[C		Long	
	Step 4 Step ID 178F-d SRT For further assistance in diagnosing this issue or for confirmation prior to the			
			·	
	replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251.			
Verification Drive Cycle	To verify the repair:			
	With the brakes set, turn the key to the ON position with the engine off, and allow 10			
	seconds for the system to initialize and run diagnostics.			
	with the brakes set,	start the engine and allow it to		
	Back to Choose Code Back to Index			

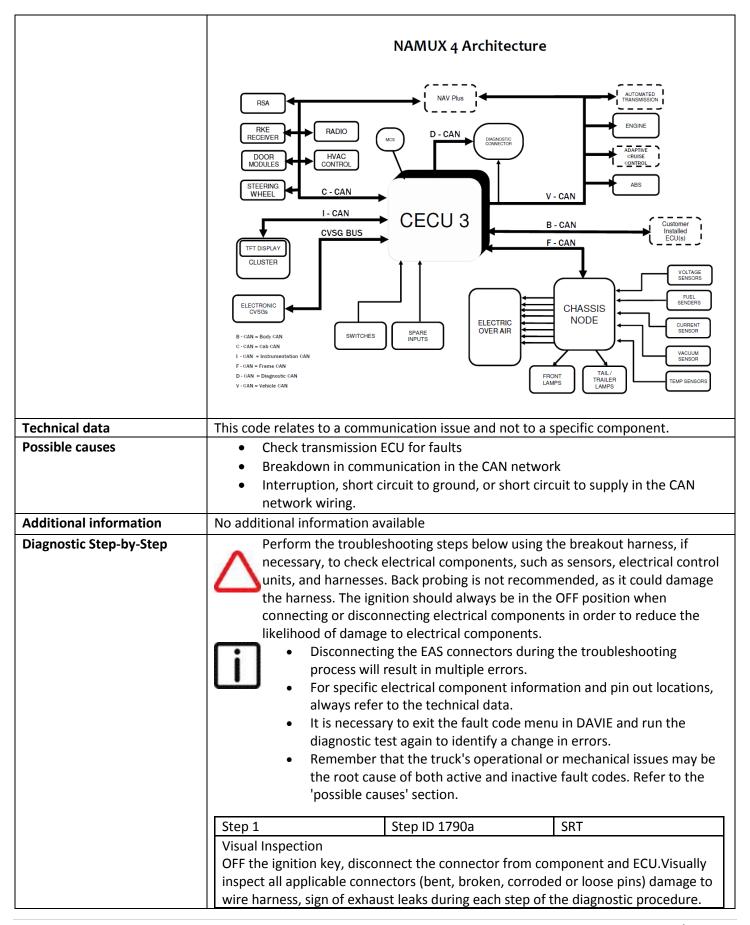


Code number	U1790		
Fault code description	CAN communication - Message (PROBA_BBM_to_Eng) out of range - ESC n3 from		
	Body Builder Module		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN PACCAR Display Vehicle CAN Frame CAN		









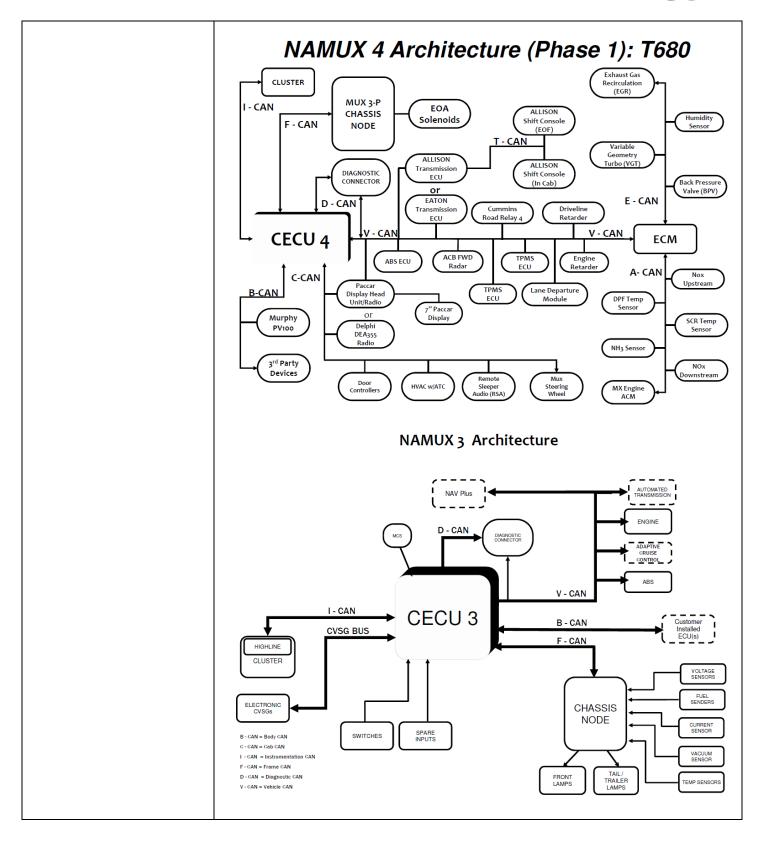


		ce of any of the above?			
	No: Proceed to step 2.				
		the appropriate repairs or cor	•		
		Use DAVIE to re-check for the presence of active faults.			
	 If this related fault is no longer active, then this issue has been resolv If this related fault is still active, Proceed to step 2 				
	Step 2	Step ID 1790b	SRT		
	Data check	31СР 10 17300	31(1		
		ne technical data of the specific	system		
		he checking data test of the sp	-		
	Is test pass?	The officering data test of the sp			
		ed to step 3			
		eed to step4			
		·			
	Step 3	Step ID 1790c	SRT		
	Repair or replace component				
		-	neck for electrical connection and		
	wiring ha	rness.			
	Reconnect the connector				
	ON the ignition key				
	Use DAVIE to re-check for the presence of active faults:				
		 Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. 			
	• Is DTC fau				
	Step 4	Step ID 1790d	SRT		
	For further assistance in diagnosing this issue or for confirmation prior to the				
		ispect components, contact the	Engine Support Call Center at		
	1-800-477-0251.				
Varification Drive Cycle	To varify the renair				
Verification Drive Cycle	To verify the repair: With the brakes set, turn the key to the ON position with the engine off, and allow 10				
	seconds for the system to initialize and run diagnostics.				
	With the brakes set, start the engine and allow it to run at idle for 2 minutes.				
		-, - : : : : : : : : : : : : : : : : : :	Back to Choose Code		
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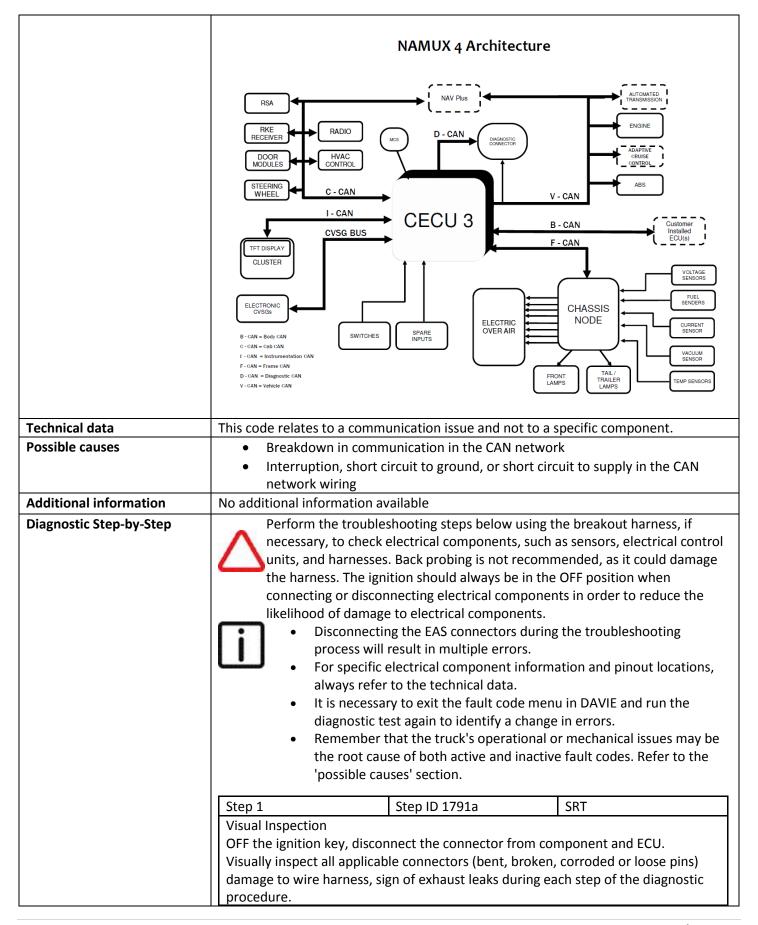


Code number	U1791		
Fault code description	CAN communication - Message (PROBA_BBM_to_Eng) out of range - Application		
	speed limiter switch 2 from Body Builder Module		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NARALIY O A Salata i COMO D O I		
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	CONNECTOR		
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	Cluster Cab CAN VGT Actuator		
	Instrumentation CAN Vehicle CAN I		
	VOLTAGE		
	CVSG BUS SENSORS FUEL		
	ELECTRONIC SENDERS		
	ELECTRONIC CVSG's CURRENT SENSOR		
	SWITCHES Frame CAN CHASSIS		
	NODE SENSORS		
	SPARE INPUTS VACUUM SENSOR		
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	FIREWALL FRONT LAMPS TRAILER LAMPS SENSORS		
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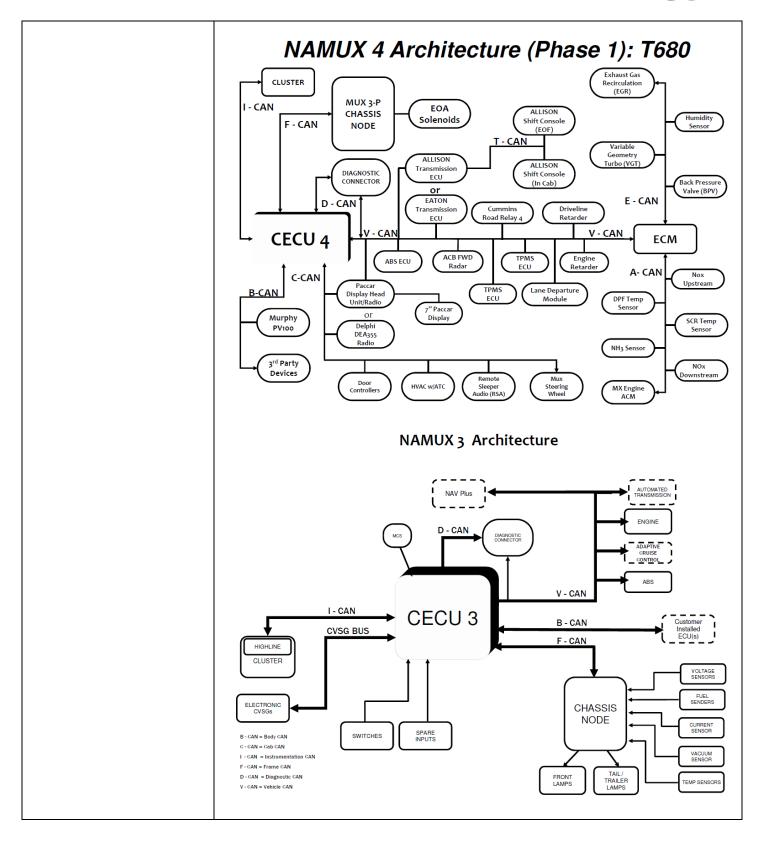


	Was there evidence	Was there evidence of any of the above?No: Proceed to step 2.			
	No: Procee				
	Yes: Make t	he appropriate repairs or com	ponent replacements.		
	1 1	eck for the presence of active t	·		
		 If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2 			
	Step 2	Step ID 1791b	SRT		
	Data check	•			
	Lookup the technical data of the specific system				
	Perform the	checking data test of the spe	cific component		
	Is test pass?	Is test pass?			
	No: Procee	d to step 3			
	Yes : Procee	•			
		<u> </u>			
	Step 3	Step ID 1791c	SRT		
	· ·	•	31(1		
	Repair or replace component				
	 Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector 				
	ON the igni				
		eck for the presence of active f	faults		
		active: Proceed to step 4	iduits.		
		inactive: Issue resolved. Clear	inactive fault		
	13 DTC Tadio	mactive. Issue resolved. Clear	mactive radit.		
	Step 4	Step ID 1791d	SRT		
	For further assistan	ce in diagnosing this issue or f	or confirmation prior to the		
		pect components, contact the	Engine Support Call Center at		
	1-800-477-0251.	1-800-477-0251.			
Verification Drive Cycle	To verify the repair:				
	-	•	n with the engine off, and allow 10		
	seconds for the system to initialize and run diagnostics				
	With the brakes set,	With the brakes set, start the engine and allow it to run at idle for 2 minutes.			
			Back to Choose Code		
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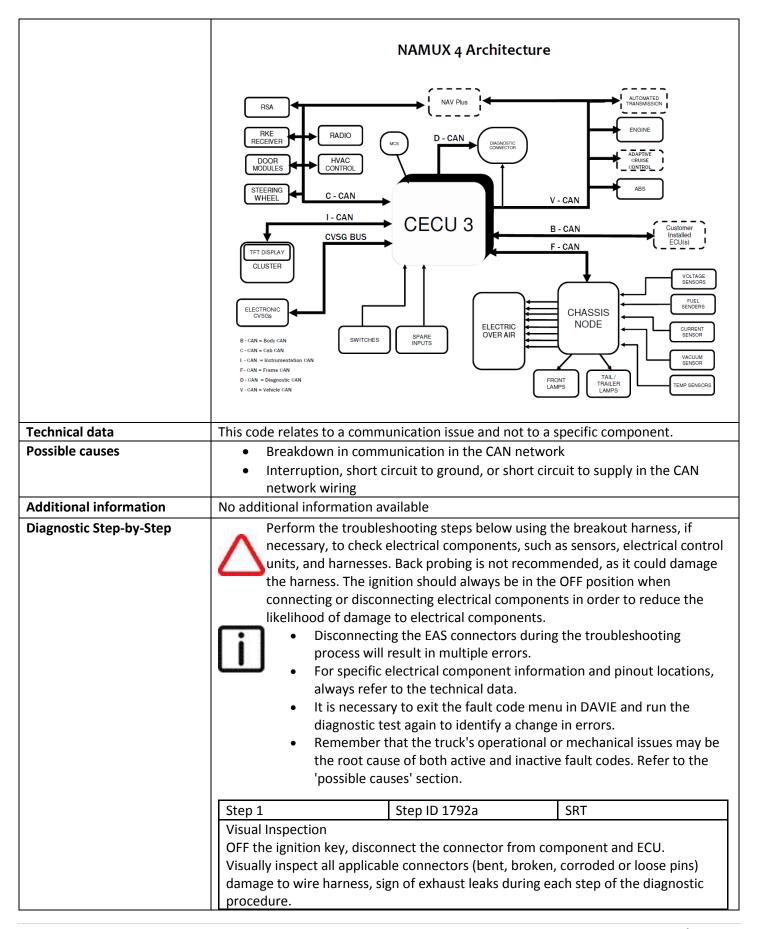


Code number	U1792		
Fault code description	CAN communication - Message (PROBA_BBM_to_Eng) out of range - Throttle		
	integration switch from Body Builder Module		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN ITALITO IT		









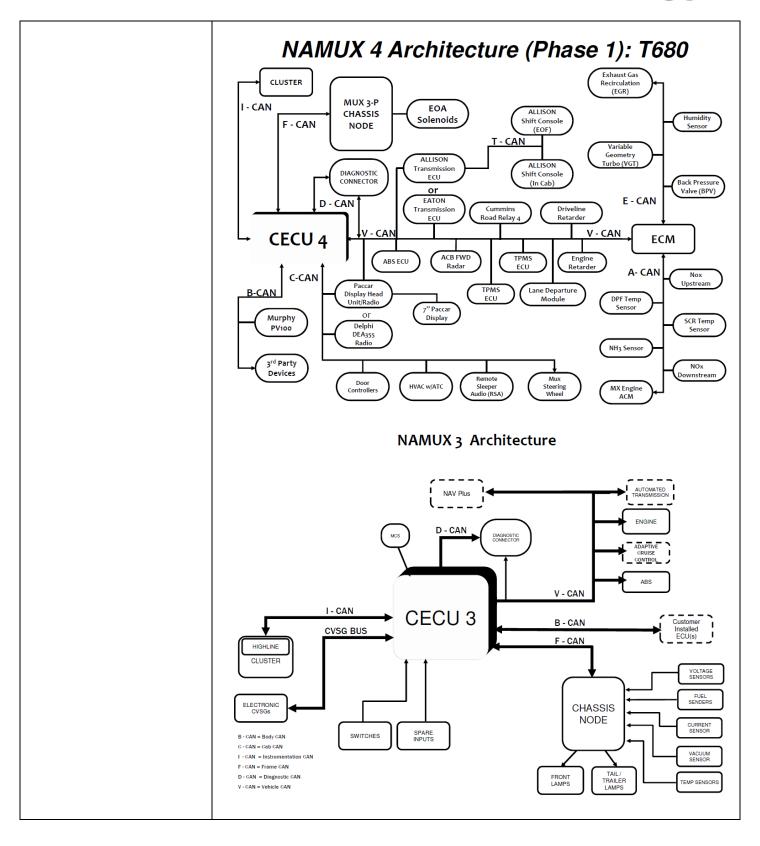


	Was there evidence of any of the above?			
	No: Proc	ceed to step 2.		
	Yes: Mal	ke the appropriate repairs or com	nponent replacements.	
		-check for the presence of active	•	
	 If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2 			
	in this related fault is still delive, i rocced to step 2			
	Step 2	Step ID 1792b	SRT	
	Data check	•	•	
	 Lookup t 	the technical data of the specific	system	
	1 1	the checking data test of the spe	· II	
	Is test pass?	0	.	
		ceed to step 3		
		oceed to step4		
	[GL. 2]			
	Step 3	Step ID 1792c	SRT	
	Repair or replace component			
	1 1	· · · · · · · · · · · · · · · · · · ·	eck for electrical connection and	
	wiring harness .Reconnect the connector			
		gnition key		
		check for the presence of active	faults:	
		ault active: Proceed to step 4		
	Is DTC fa	ault inactive: Issue resolved. Clear	r inactive fault.	
	Step 4	Step ID 1792d	SRT	
		tance in diagnosing this issue or f		
		suspect components, contact the	·	
	1-800-477-0251.			
Verification Drive Cycle	To verify the repa	ir:		
•			on with the engine off, and allow 10	
	seconds for the system to initialize and run diagnostics With the brakes set, start the engine and allow it to run at idle for 2 minutes. Back to Choose Code			
			Back to Index	

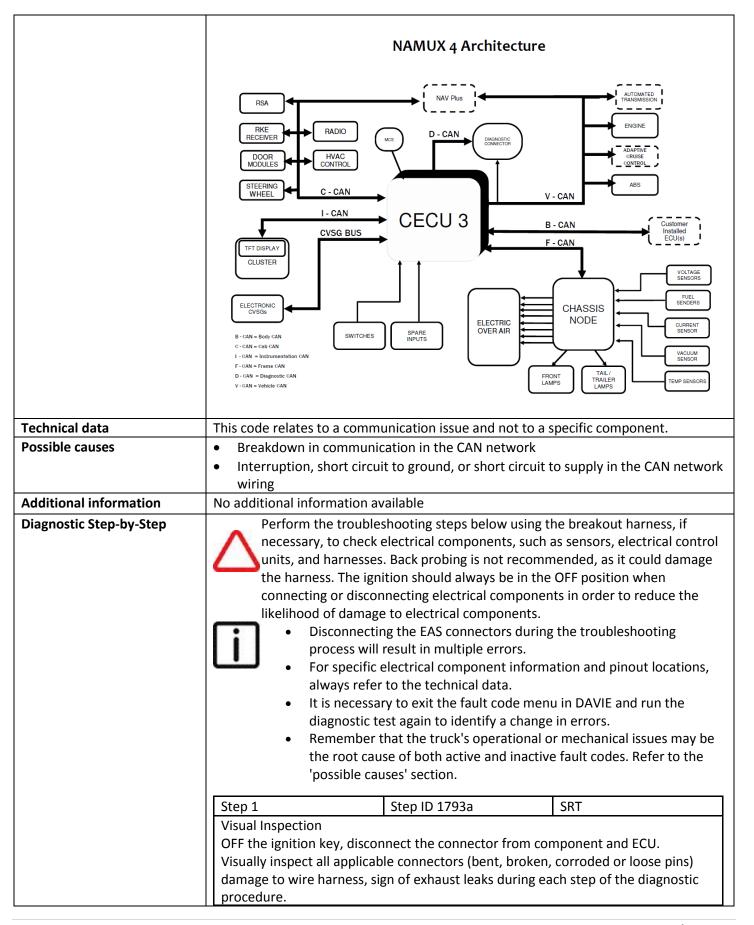


Code number	U1793		
Fault code description	CAN communication - Message (PROPB_AST) out of range - clutch percentage torque		
	from transmission system		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	Diagnostic CAN STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR Display Vehicle CAN SENSORS SWITCHES SPARE INPUTS SPARE INPUTS Frame CAN FRONT TAIL TEMP SENSORS TAIL TEMP SENSORS TAIL TEMP SENSORS		









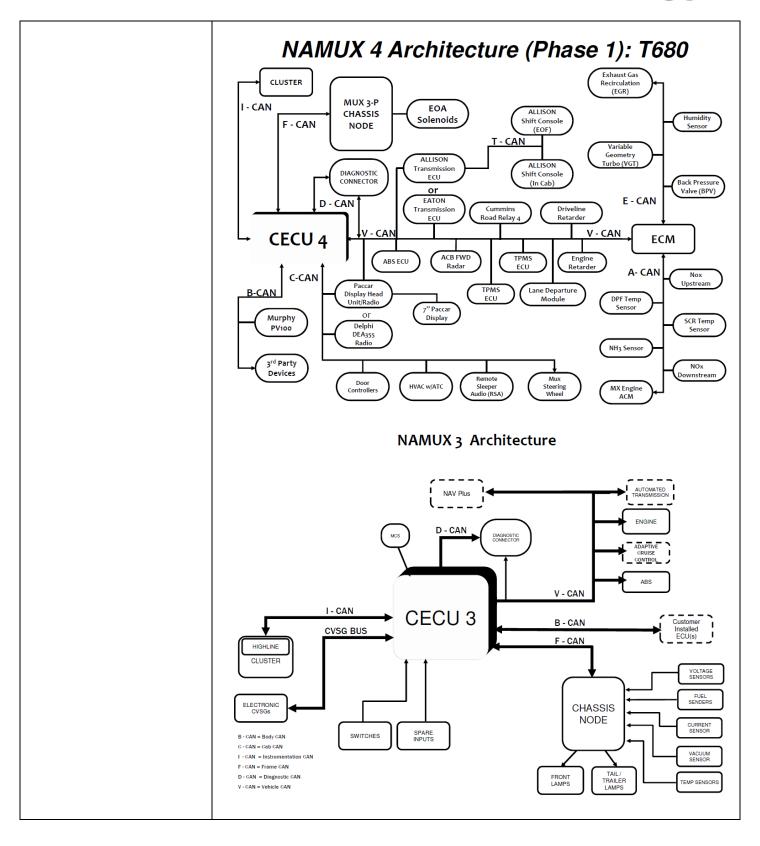


	Was there evidence of any of the above?			
	No: Proceed to step 2.			
		ke the appropriate repairs or co	mnonent renlacements	
		Use DAVIE to re-check for the presence of active faults.		
	If this related fault is no longer active, then this issue has been resolved.			
	 If this related fault is still active, Proceed to step 2 			
	ii tiiis related fault is still active, Proceed to step 2			
	Step 2 Step ID 1793b SRT			
	Data check			
	Lookup	the technical data of the specific	csystem	
		the checking data test of the sp		
	Is test pass?	· ·	·	
		ceed to step 3		
	Yes : Pro	oceed to step4		
	Step 3 Step ID 1793c SRT			
	Repair or replac	e component	•	
	 Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key 			
		-check for the presence of active	e faults:	
		ault active: Proceed to step 4		
	Is DTC fa	ault inactive: Issue resolved. Clea	ar inactive fault.	
	Step 4	Step ID 1793d	SRT	
	 	stance in diagnosing this issue or		
		suspect components, contact th	·	
	1-800-477-0251			
Verification Drive Cycle	To verify the repa	air:		
	1		ion with the engine off, and allow 10	
	seconds for the system to initialize and run diagnostics.			
	With the brakes set, start the engine and allow it to run at idle for 2 minutes			
	Back to Choose Code			
	Back to Index			

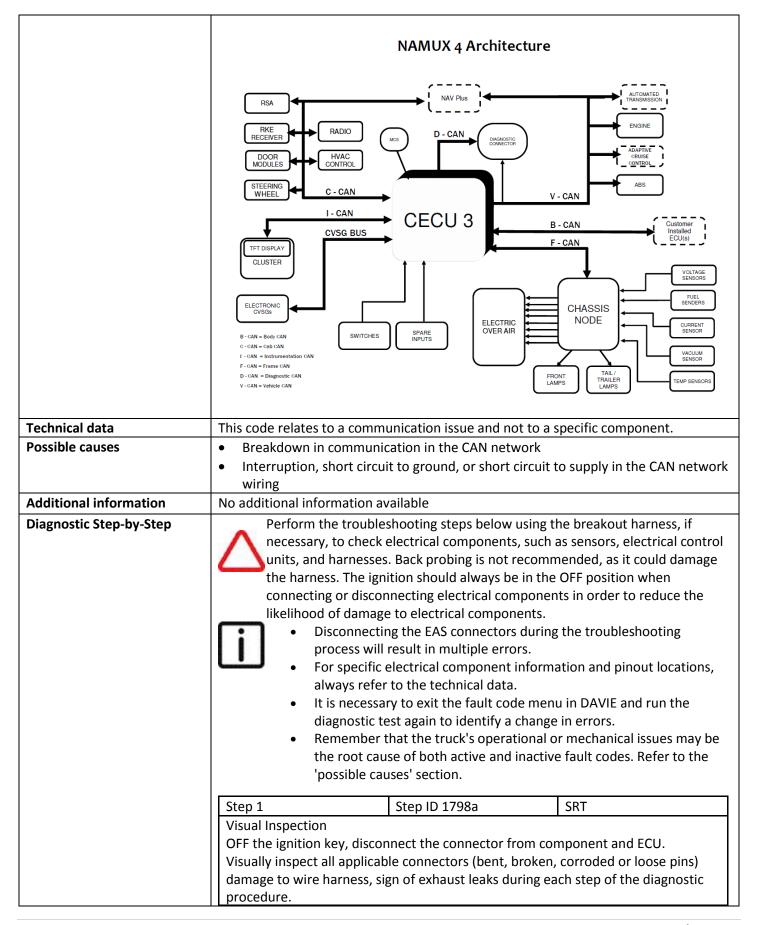


Code number	U1798		
Fault code description	CAN communication - Message (EBC1) out of range - Engine retarder selection from		
	brake system		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	Diagnostic CAN STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR DISPINAL ACTUATIVE CONTENT		









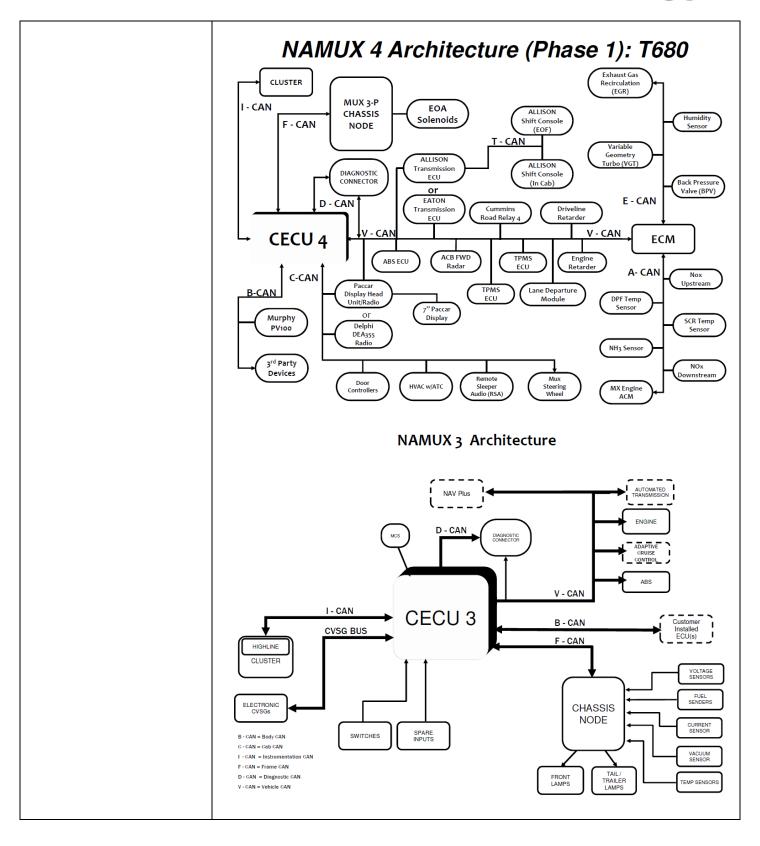


	1.1			
		Was there evidence of any of the above?		
		ed to step 2.		
		the appropriate repairs or com		
	Use DAVIE to re-cl			
	If this related fault is no longer active, then this issue has been resolved			
	If this rela	ted fault is still active, Proceed t	d to step 2	
	Step 2	Step ID 1798b	SRT	
	Data check			
	 Lookup th 	e technical data of the specific s	system	
	Perform till	he checking data test of the spe	cific component	
	Is test pass?			
	No: Proce	ed to step 3		
	Yes : Proce	eed to step4		
	Step 3	Step ID 1798c	SRT	
	Repair or replace component			
		•	eck for electrical connection and	
	wiring harness .			
	Reconnect	t the connector		
	ON the ign	nition key		
	Use DAVIE to re-cl	heck for the presence of active f	aults:	
	Is DTC fau	It active: Proceed to step 4		
	Is DTC fau	It inactive: Issue resolved. Clear	inactive fault.	
	L			
	Step 4	SRT		
	 	Step ID 1798d nce in diagnosing this issue or fo		
			· · · · · · · · · · · · · · · · · · ·	
	replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251.			
Verification Drive Cycle	To verify the repair			
	With the brakes set, turn the key to the ON position with the engine off, and allow			
		tem to initialize and run diagnos	-	
	With the brakes set, start the engine and allow it to run at idle for 2 minutes Back to Choose Code Back to Index			

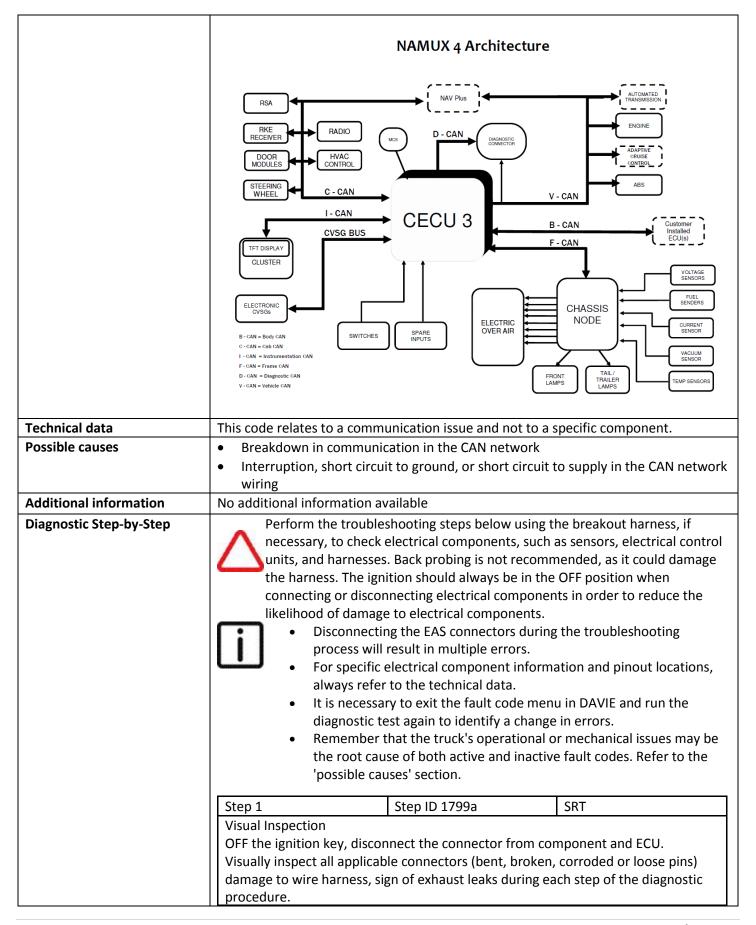


Code number	U1799		
Fault code description	CAN communication - Message (TSC1_YYE) data fault		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	Diagnostic CAN STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR Display Vehicle CAN Vehicle CAN Vehicle CAN VolTage SENSORS Frame CAN VolTage SENSORS SWITCHES Frame CAN VACUUM SENSOR FRONT ITALL TALL TALL TRALER SENSORS VACUUM SENSORS VACUUM SENSORS FRONT TALL TALL TRALER TEMP SENSORS		











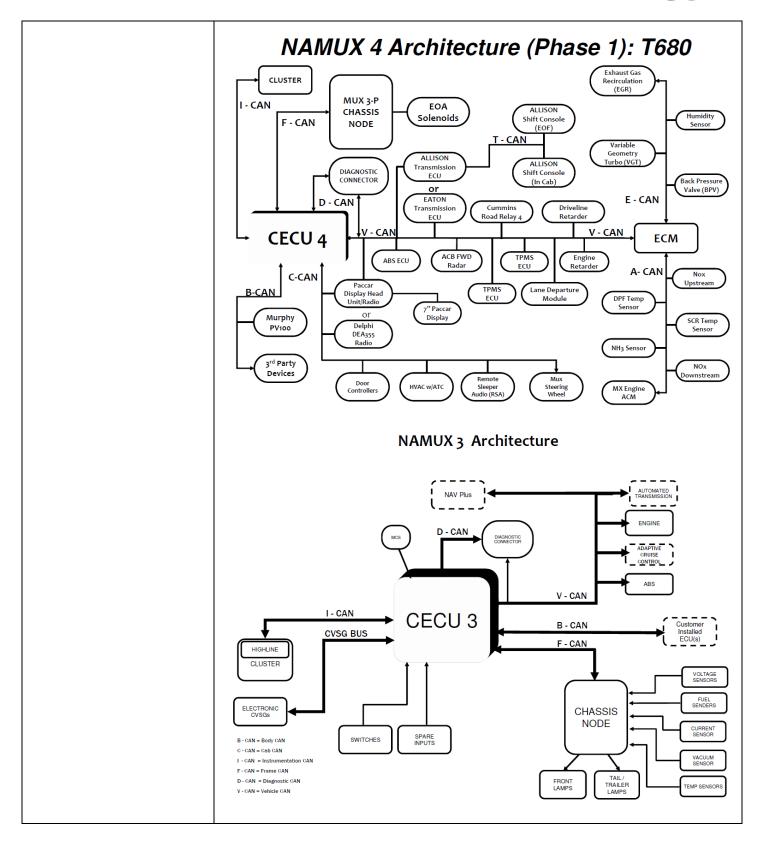
	Was there evidence of any of the above?			
	No: Proceed to step 2.			
	Yes: Make the appropriate repairs or component replacements.			
	Use DAVIE to re-check for the presence of active faults. • If this related fault is no longer active, then this issue has been resolved.			
	If this related fault is still active, Proceed to step 2			
	Step 2	SRT		
	Data check	•	•	
	 Lookup the technical data of the specific system Perform the checking data test of the specific component Is test pass? No: Proceed to step 3 Yes: Proceed to step4 			
	Step 3	Step ID 1799c	SRT	
	Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault.			
	<u> </u>			
	Step 4	Step ID 1799d	SRT	
	For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251.			
Verification Drive Cycle	To verify the repair:			
	With the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes.			
	Back to Choose Code			
	Back to Index			



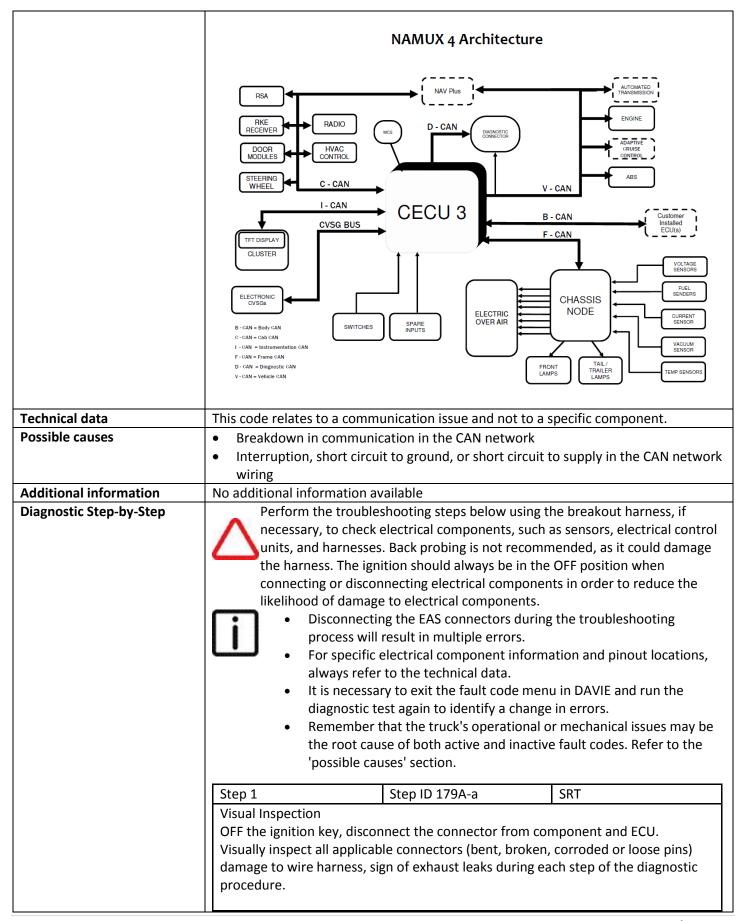
U179A

Code number	U179A		
Fault code description	CAN communication - Message (TSC1_SE) data fault from Body Builder Module		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab STEERING WHEEL Aftertreatment CAN ENGINE CONNECTOR CONNE		











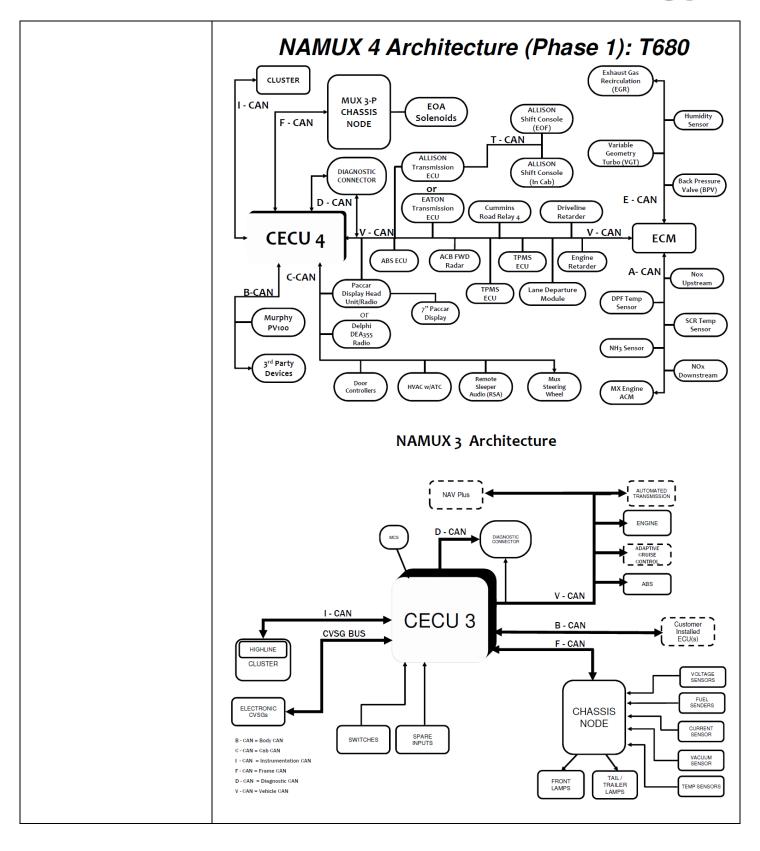
	Was there evidence of any of the above?			
	No: Proceed to step 2.			
	Yes: Make the appropriate repairs or component replacements.			
	 Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2 			
	Step 2	Step ID 179A-b	SRT	
	Data check			
	 Lookup the technical data of the specific system Perform the checking data test of the specific component 			
	Is test pass?			
	No: Proceed to step 3Yes: Proceed to step4			
		10		
	Step 3	Step ID 179A-c	SRT	
	Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key			
	Lisa DAVIE to re-ch	pack for the presence of active	faults	
	 Use DAVIE to re-check for the presence of active faults: Is DTC fault inective a leave resolved. Clear inective fault 			
	- IS DICIAU	Is DTC fault inactive : Issue resolved. Clear inactive fault.		
	Step 4	Step ID 179A-d	SRT	
	For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251.			
Verification Drive Cycle	To validate the repa	air:		
	 With the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes. Back to Choose Code			
			Back to Index	



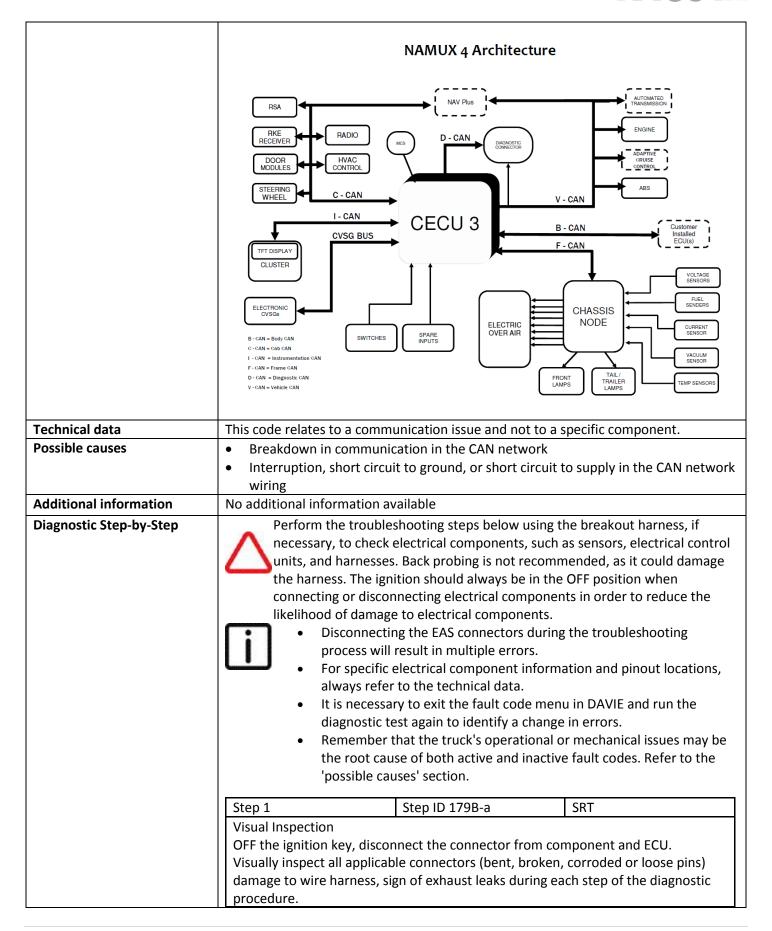
U179B

Code number	U179B		
Fault code description	CAN communication - Message (TSC1_TE) data fault from transmission		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	Diagnostic CAN STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR DISPIAY Vehicle CAN Vehicle CAN Vehicle CAN CVSG BUS CVSG BUS CVSG BUS Frame CAN FREWALL FRONT FRANK FRONT FRANK FRANK FRONT FRANK FRONT FRANK FRANK FRONT FRANK FRONT FRANK FRANK FRONT FRANK FRONT FRANK FRANK FRONT FRANK FRONT FRANK FRANK FRONT FRANK FRANK FRONT FRANK FRONT FRANK FRONT FRANK FRONT FRANK FRONT FRANK FRANK FRONT FRANK FRONT FRANK FRONT FRANK FRONT FRANK FRONT FRANK FRANK FRONT FRANK FRA		











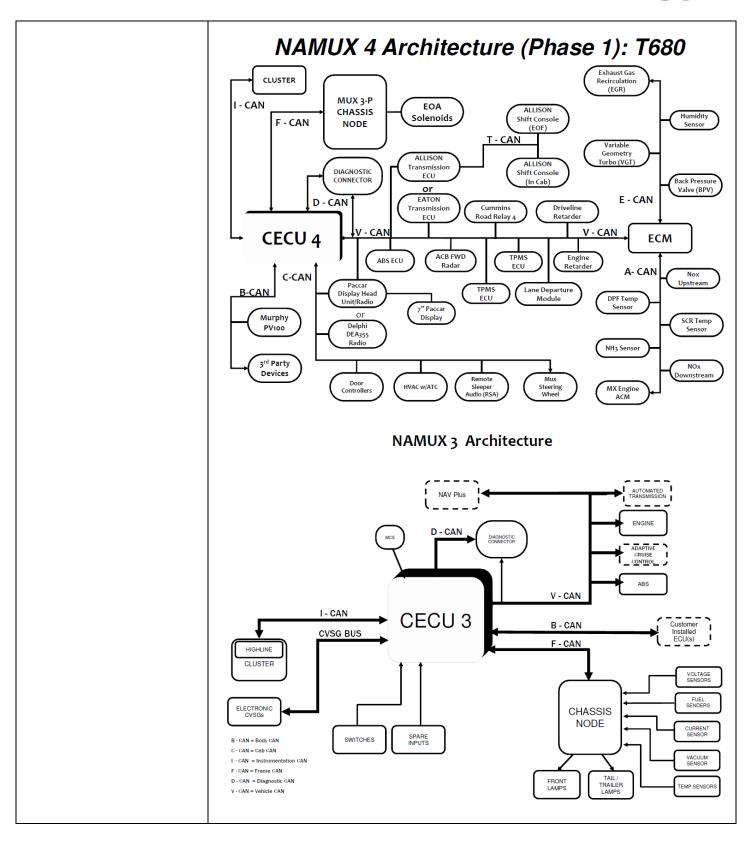
	Was there evidence of any of the above?			
	No: Proceed to step 2.			
	Yes: Make the appropriate repairs or component replacements.			
	 Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2 			
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	Step 2	Step ID 179B-b	SRT	
	Data check		•	
	 Lookup the technical data of the specific system Perform the checking data test of the specific component Is test pass? No: Proceed to step 3 Yes: Proceed to step4 			
		'		
	Step 3	Step ID 179B-c	SRT	
	Repair or replace con	nponent		
	 Repair or replace the component, also check for electrical connection and wiring harness . Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive : Issue resolved. Clear inactive fault. 			
	Step 4	Step ID 179B-d	SRT	
			L	
	For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at			
	1-800-477-0251.			
Verification Drive Cycle	To validate the repair:		-	
	 With the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes. 			
	Back to Choose Code			
			Back to Index	



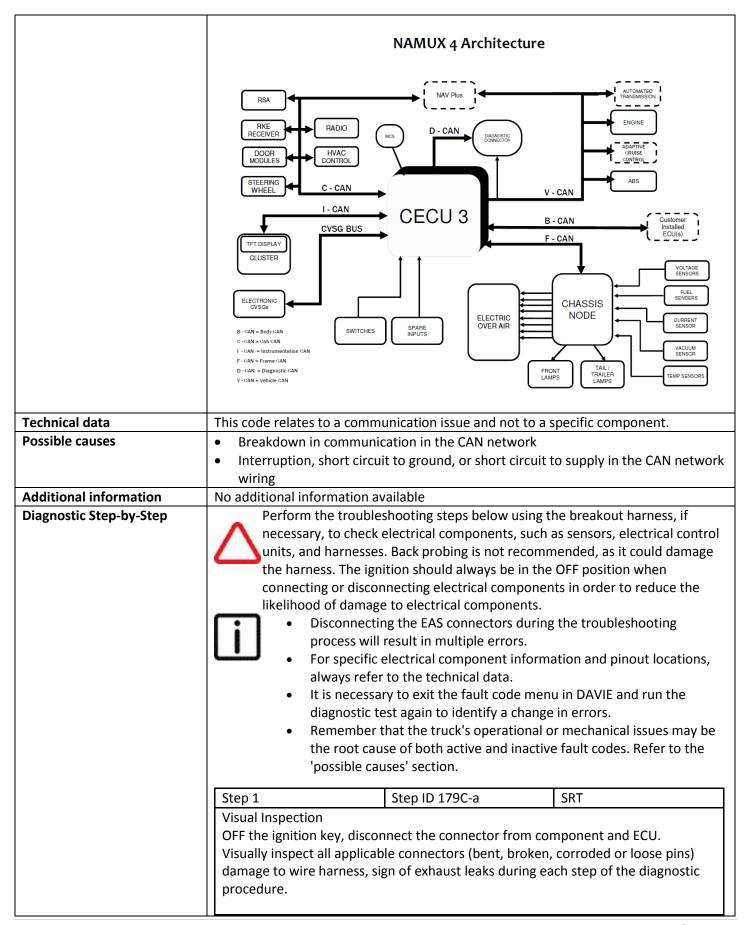
U179C

Code number	U179C
Fault code description	CAN communication - Message (TSC1_VE from vehicle controller) data fault
Fault code information	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	This code relates to a communication issue and not to a specific component.
Location of component(s)	This code relates to a communication issue and not to a specific component.
Diagnostic condition	This diagnostic runs continuously when the ignition is on.
Set condition of fault code	
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.
Electrical diagram(s)	
	Cluster Cab CAN Cluster Cab CAN CVSG BUS CVSG BUS CVSG S SPARE INPUTS Diagnostic CAN Diagnostic CAN Auto TRANSMISSION, TOTAL TRANSMISSION, TRANSMISSION, TRANSMISSION, TRANSMISSION, TOTAL TRANSMISSION, T











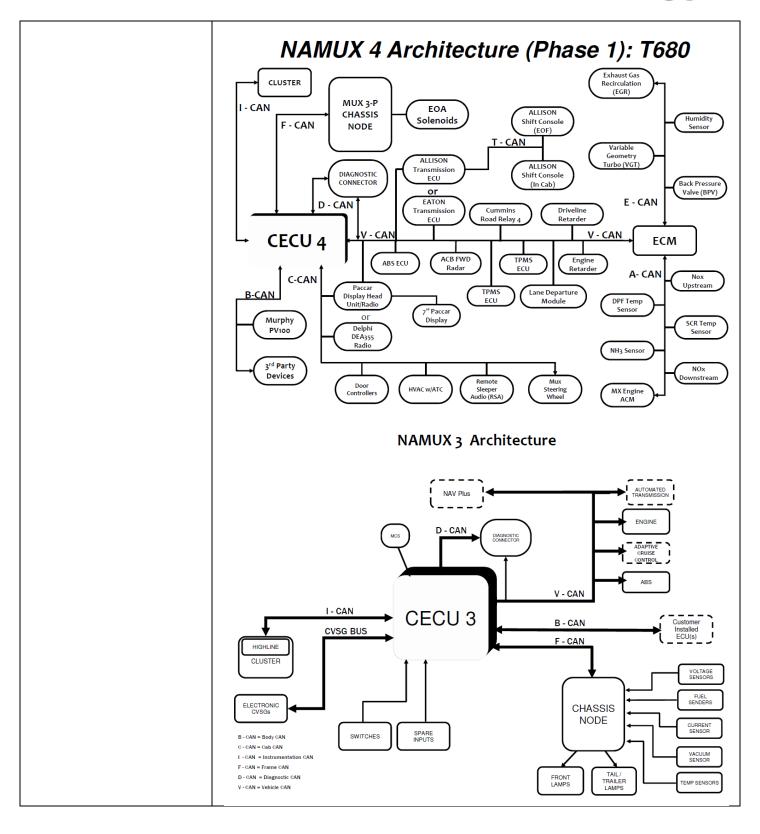
	Was there evidence	ce of any of the above?	
	No: Procee	ed to step 2.	
	Yes: Make	the appropriate repairs or con	nponent replacements.
	Use DAVIE to re-ch	neck for the presence of active	faults.
			en this issue has been resolved.
	Step 2	Step ID 179C-b	SRT
	Data check	•	
	Lookup the	Lookup the technical data of the specific system	
	Perform the checking data test of the specific component		ecific component
	Is test pass?		
	·	ed to step 3	
		eed to step4	
		'	
	Step 3	Step ID 179C-c	SRT
	Repair or replace of	component	
	Repair or replace the component, also check for electrical connection and		
	wiring harness .		
	Reconnect the connector		
	ON the ignition key		
	Use DAVIE to re-check for the presence of active faults:		
	Is DTC fault active: Proceed to step 4		
	Is DTC faul	Is DTC fault inactive : Issue resolved. Clear inactive fault.	
	Step 4	Step ID 179C-d	SRT
		nce in diagnosing this issue or	·
		spect components, contact the	e Engine Support Call Center at
Varification Drive Code	1-800-477-0251.	·	
Verification Drive Cycle	To validate the repa		osition with the engine off, and
		s set, turn the key to the ON po Is for the system to initialize ar	•
			v it to run at idle for 2 minutes.
	With the brakes	, set, start the engine and unov	Back to Choose Code
			Back to Index



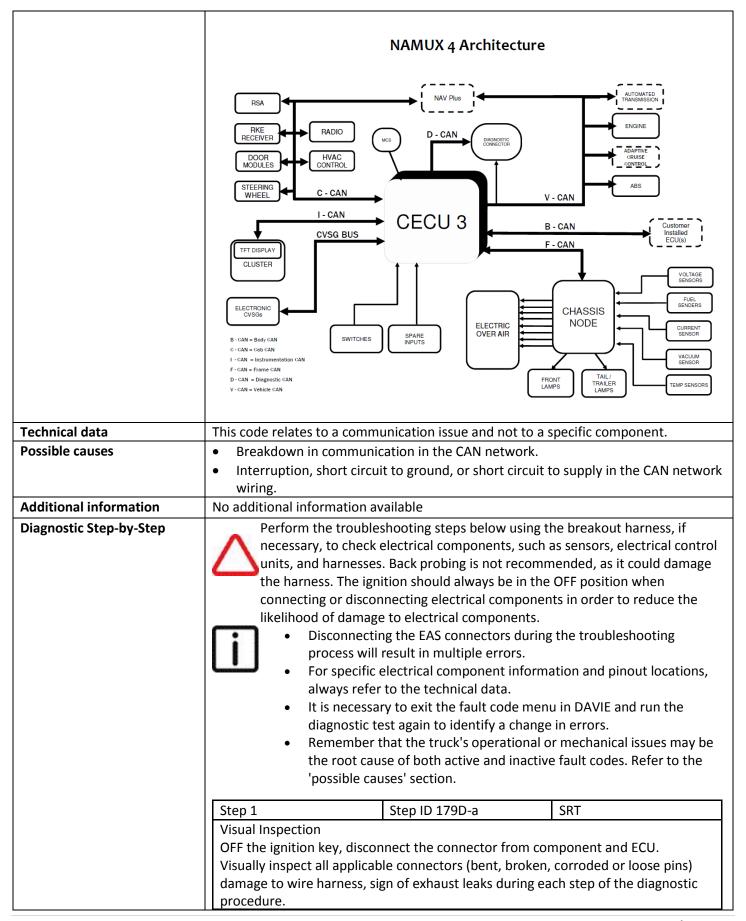
U179D

Code number	U179D
Fault code description	CAN Communication – Message (TSC1_XXE) data fault
Fault code information	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	This code relates to a communication issue and not to a specific component.
Location of component(s)	This code relates to a communication issue and not to a specific component.
Diagnostic condition	This diagnostic runs continuously when the ignition is on.
Set condition of fault code	
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.
Electrical diagram(s)	
	NAMUX 3 Architecture: 2010 B-Cab STEERING WHEEL











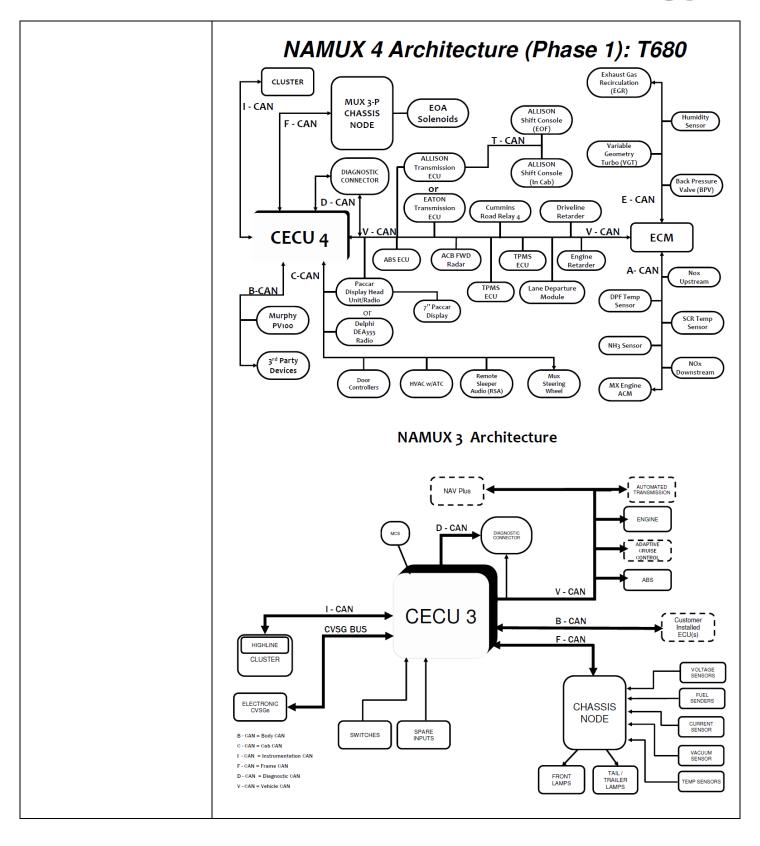
	Was there evidence o	f any of the above?	
	No: Proceed t	o step 2.	
	Yes: Make the	e appropriate repairs or com	ponent replacements.
		k for the presence of active f	
	If this related	fault is no longer active, the	en this issue has been resolved.
	If this related	fault is still active, Proceed	to step 2
	Step 2	Step ID 179D-b	SRT
	Data check		
	Lookup the te	chnical data of the specific s	system
	Perform the control	hecking data test of the spe	cific component
	Is test pass?		
	No: Proceed t	o step 3	
	Yes : Proceed	to step4	
	Step 3	Step ID 179D-c	SRT
	Repair or replace com	ponent	
	Repair or replace the component, also check for electrical connection and		
	wiring harness.		
	Reconnect the connector		
	ON the ignition key		
	Use DAVIE to re-check for the presence of active faults:		
	Is DTC fault active: Proceed to step 4		
	Is DTC fault in	active: Issue resolved. Clear	inactive fault.
	Step 4	Step ID 179D-d	SRT
	For further assistance	in diagnosing this issue or f	or confirmation prior to the
	replacement of suspe	ct components, contact the	Engine Support Call Center at
	1-800-477-0251.		
Verification Drive Cycle	To validate the repair,	with the brakes set, turn the	key to the ON position with the
			initialize and run diagnostics.
	With the brakes set, sta	art the engine and allow it to	
			Back to Choose Code
			Back to Index



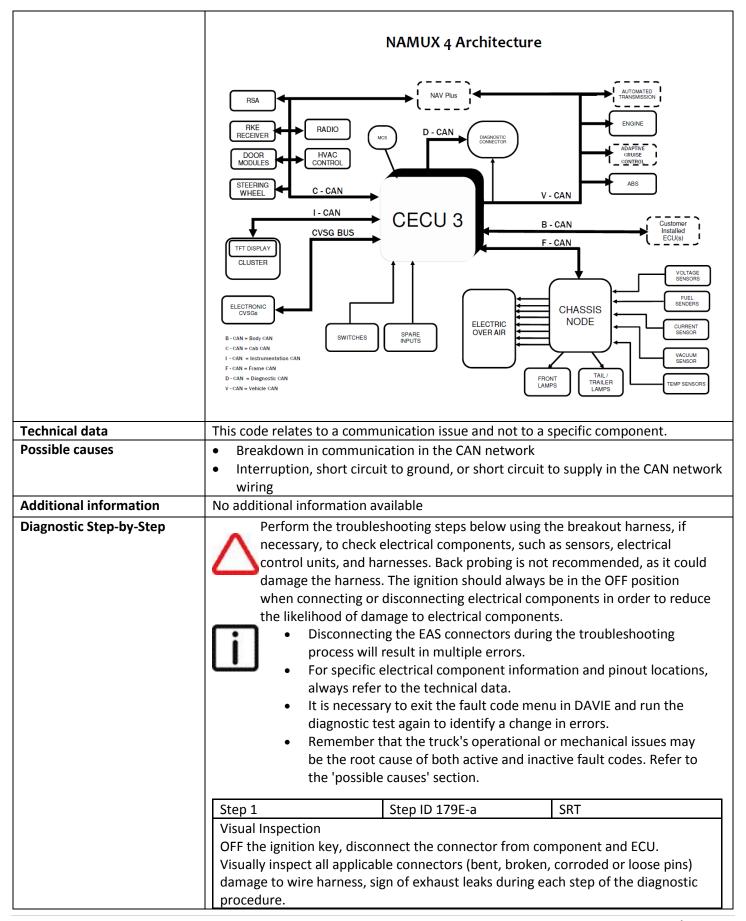
U179E

Code number	U179E	
Fault code description	CAN Communication – Message (TSC1_XXE) rate too low	
Fault code information	3 drive cycle recovery	
	Readiness group – None	
	Freeze frame type – Generic	
Description of component(s)	This code relates to a communication issue and not to a specific component.	
Location of component(s)	This code relates to a communication issue and not to a specific component.	
Diagnostic condition	This diagnostic runs continuously when the ignition is on.	
Set condition of fault code		
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.	
Electrical diagram(s)		
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN Aftertreatment CAN I AUTO ITRANSMISSION ITRAN	











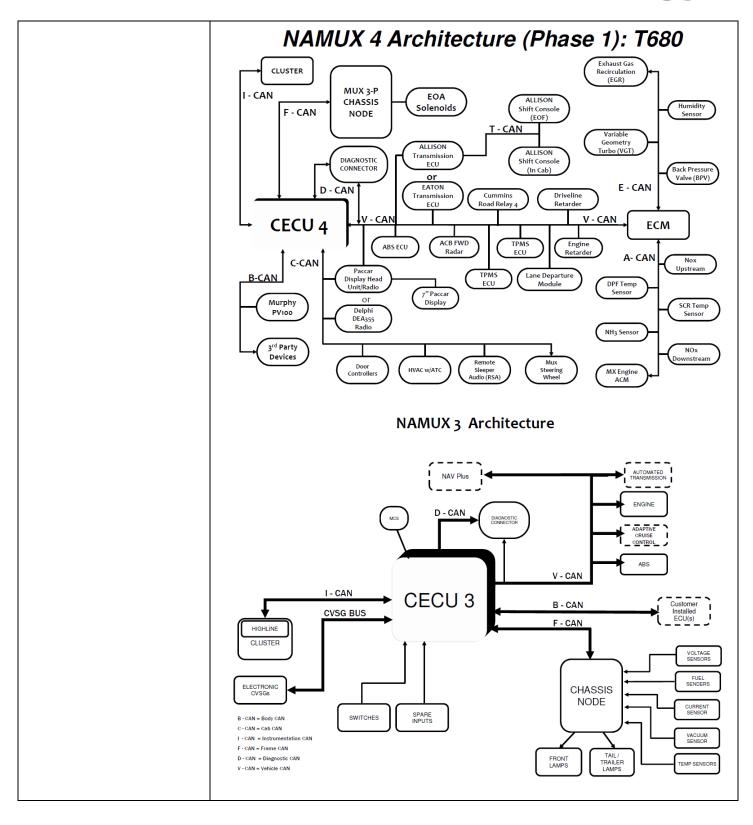
	Was there evidence of any of the above?		
	No: Proceed		
		he appropriate repairs or com	ponent replacements.
		ck for the presence of active f	•
			n this issue has been resolved.
		d fault is still active, Proceed t	
	Step 2	Step ID 179E-b	SRT
	Data check	· ·	•
	Lookup the	technical data of the specific s	system
		checking data test of the spe	-
	Is test pass?		·
	No: Proceed	I to step 3	
	Yes : Procee	-	
	L	'	
	Step 3	Step ID 179E-c	SRT
	Repair or replace co	mponent	
	Repair or re	place the component, also ch	eck for electrical connection and
	wiring harness.		
	Reconnect t	he connector	
	ON the ignit	ion key	
	Use DAVIE to re-che	ck for the presence of active f	aults:
	Is DTC fault	active: Proceed to step 4	
	Is DTC fault	inactive: Issue resolved. Clear	inactive fault.
	Step 4	Step ID 179E-d	SRT
	For further assistance	ce in diagnosing this issue or fo	or confirmation prior to the
	replacement of susp	ect components, contact the	Engine Support Call Center at
	1-800-477-0251.		
Verification Drive Cycle	To validate the repair	:	
	With the brakes s	et, turn the key to the ON pos	sition with the engine off, and
	allow 10 seconds	for the system to initialize an	d run diagnostics.
	With the brakes s	et, start the engine and allow	it to run at idle for 2 minutes.
			Back to Choose Code
			Back to Index



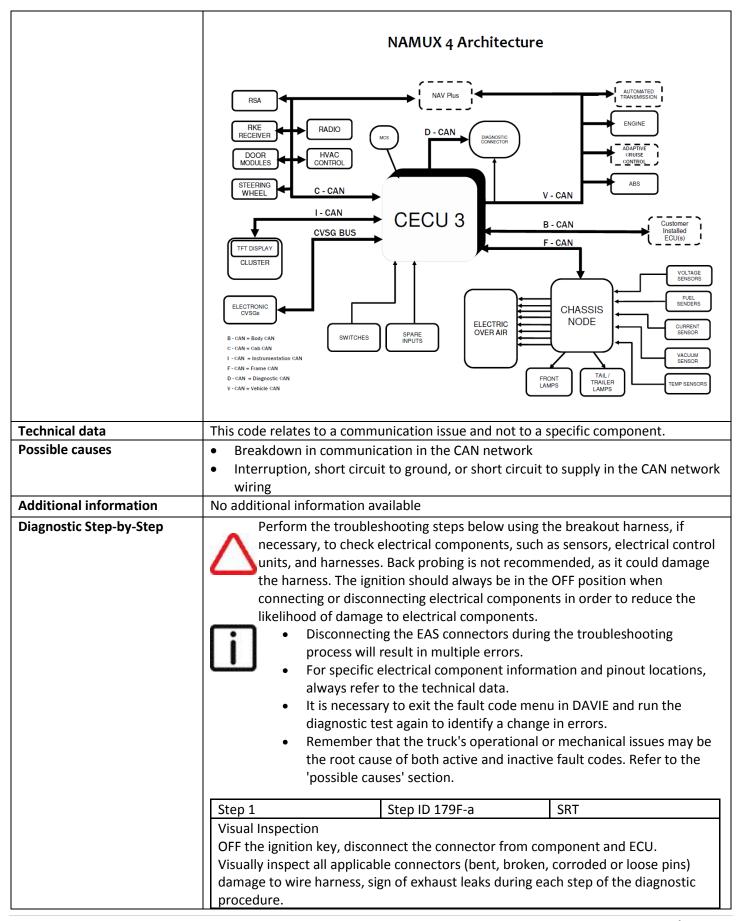
U179F

Code number	U179F
Fault code description	CAN Communication – Message (TSC1_HCE) rate too low from emission system
Fault code information	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	This code relates to a communication issue and not to a specific component.
Location of component(s)	This code relates to a communication issue and not to a specific component.
Diagnostic condition	This diagnostic runs continuously when the ignition is on.
Set condition of fault code	
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.
Electrical diagram(s)	
	NAMUX 3 Architecture: 2010 B-Cab Firewall











	Was there evidence of any of the above?		
	No: Proceed	•	
		he appropriate repairs or com	ponent replacements.
		ck for the presence of active f	•
			n this issue has been resolved.
		d fault is still active, Proceed t	
	Step 2	Step ID 179F-b	SRT
	Data check	•	•
	Lookup the	technical data of the specific s	system
		checking data test of the spe	-
	Is test pass?		·
	No: Proceed	to step 3	
	Yes : Procee	-	
		·	
	Step 3	Step ID 179F-c	SRT
	Repair or replace co	mponent	
	Repair or replace the component, also check for electrical connection and		
	wiring harne	ess.	
	Reconnect t	he connector	
	ON the ignit	ion key	
	Use DAVIE to re-che	ck for the presence of active f	aults:
	Is DTC fault	active: Proceed to step 4	
	Is DTC fault	inactive: Issue resolved. Clear	inactive fault.
	Step 4	Step ID 179F-d	SRT
	For further assistance	ce in diagnosing this issue or fo	or confirmation prior to the
			Engine Support Call Center at
	1-800-477-0251.		
Verification Drive Cycle	To validate the repair	:	<u> </u>
	With the brakes s	et, turn the key to the ON pos	sition with the engine off, and
	allow 10 seconds	for the system to initialize and	d run diagnostics.
	With the brakes s	et, start the engine and allow	it to run at idle for 2 minutes.
			Back to Choose Code
			Back to Index



017710			
Code number	U17A0		
Fault code description	Dual PWM accelerator pedal 1 - Frequency too low on ECU D420 pin B41		
Fault code information	1 trip MIL		
	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	Refer to the truck model documentation in DealerNet.		
Location of component(s)	Refer to the truck model documentation in DealerNet		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Set condition of fault code	The PCI ECU (D420) detects that the frequency of gas pedal sensor 1 is less than 180		
	Hz.		
Reset condition of fault code	This DTC changes to inactive when the fault is no longer detected. To validate the		
	repair, monitor the accelerator pedal sensors with DAVIE.		
Electrical diagram(s)	Refer to the truck model documentation in DealerNet		
Technical data	Refer to the truck model documentation in DealerNet		
Possible causes	Faulty accelerator pedal or wiring.		
Additional information	The accelerator pedal position is determined by two sensors (1 and 2) inside the		
	accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to		
	220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that,		
	when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and		
	sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors		
	separately and together.		
	4000/		
	100%		
	D P		
	E		
	В		
	A H G		
	C		
	E 20%		
	<u> </u>		
	0 19.2 22.8		
	A PWM Output - % duty cycle		
	B Sensor 1		
	C Sensor 2		
	D Diagnostic range limit		
	E Auto calibration limit		
	F Rotation angle accelerator pedal (°)		
	r notation angle accelerator pedart j		



	G Span H Kick down hysteresis I 100% pedal value at kick down
Diagnostic Step-by-Step	Perform the troubleshooting steps below using the breakout harness, if necessary, to check electrical components, such as sensors, electrical contro units, and harnesses. Back probing is not recommended, as it could damage the harness. The ignition should always be in the OFF position when connecting or disconnecting electrical components in order to reduce the likelihood of damage to electrical components. • Disconnecting the EAS connectors during the troubleshooting process will result in multiple errors. • For specific electrical component information and pinout locations, always refer to the technical data. • It is necessary to exit the fault code menu in DAVIE and run the diagnostic test again to identify a change in errors. • Remember that the truck's operational or mechanical issues may be the root cause of both active and inactive fault codes. Refer to the 'possible causes' section.
	Step 1 Step ID 17A0a SRT
	Visual Inspection OFF the ignition key, disconnect the connector from component and ECU. Visually inspect all applicable connectors (bent, broken, corroded or loose pins) damage to wire harness, sign of exhaust leaks during each step of the diagnostic procedure. Was there evidence of any of the above? • No: Proceed to step 2. • Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. • If this related fault is no longer active, then this issue has been resolved. • If this related fault is still active, Proceed to step 2
	Step 2 Step ID 17A0b SRT
	 Data check Lookup the technical data of the specific system Perform the checking data test of the specific component Is test pass? No: Proceed to step 3 Yes: Proceed to step4

Step ID 17A0c

SRT

Step 3



	Repair or replace com	ponent	
		•	eck for electrical connection
	and wiring ha	rness.	
	Reconnect the	e connector	
	ON the ignition	n key	
	Use DAVIE to re-check	for the presence of active	faults:
	Is DTC fault ac	ctive: Proceed to step 4	
	Is DTC fault inactive: Issue resolved. Clear inactive fault.		
	Stop 4	Stop ID 1740d	SRT
	Step 4	Step ID 17A0d	
			or confirmation prior to the
		ct components, contact the	Engine Support Call Center at
	1-800-477-0251.		
Verification Drive Cycle	To validate the repair:		
	·	•	n with the engine off, and allow 10
	seconds for the system	to initialize and run diagnos	stics.
			Back to Choose Code
			Back to Index



017A1		
Code number	U17A1	
Fault code description	Dual PWM accelerator pedal 2 - Voltage too high or short circuit to supply on ECU	
	D420 pin B45	
Fault code information	1 trip MIL	
	3 drive cycle recovery	
	Readiness group – None	
	Freeze frame type – Generic	
Description of component(s)	Refer to the truck model documentation in DealerNet	
Location of component(s)	Refer to the truck model documentation in DealerNet	
Diagnostic condition	This diagnostic runs continuously when the ignition is on.	
Set condition of fault code	· · · · · · · · · · · · · · · · · · ·	
Set condition of fault code	The PCI ECU (D420) detects that the duty-cycle value of gas pedal sensor 2 is greater	
Dood condition of fault and	than 100 percent.	
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.	
Electrical diagram(s)	Refer to the truck model documentation in DealerNet	
Technical data	Refer to the truck model documentation in DealerNet	
Possible causes	Faulty accelerator pedal or wiring.	
	• Faulty connector.	
Additional information	The accelerator pedal position is determined by two sensors (1 and 2) inside the	
	accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to	
	220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that,	
	when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and	
	sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors	
	separately and together.	
	A B B B B B B B B B B B B B B B B B B B	
	A PWM Output - % duty cycle B Sensor 1 C Sensor 2 D Diagnostic range limit E Auto calibration limit	

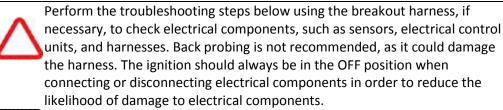


F Rotation angle accelerator pedal (°)
G Span

H Kick down hysteresis

I 100% pedal value at kick down

Diagnostic Step-by-Step





• Disconnecting the EAS connectors during the troubleshooting process will result in multiple errors.

- For specific electrical component information and pinout locations, always refer to the technical data.
- It is necessary to exit the fault code menu in DAVIE and run the diagnostic test again to identify a change in errors.
- Remember that the truck's operational or mechanical issues may be the root cause of both active and inactive fault codes. Refer to the 'possible causes' section.

Step 1	Step ID 17A1a	SRT
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Visual Inspection

OFF the ignation key, disconnect the connector from component and ECU. Visually inspect all applicable connectors (bent, broken, corroded or loose pins) damage to wire harness, sign of exhaust leaks during each step of the diagnostic procedure.

Was there evidence of any of the above?

- No: Proceed to step 2.
- Yes: Make the appropriate repairs or component replacements.

Use DAVIE to re-check for the presence of active faults.

- If this related fault is no longer active, then this issue has been resolved.
- If this related fault is still active, Proceed to step 2

Step 2 Step ID 17A1b SRT

Electrical Checks

With key OFF, disconnect the power supply harness from Dual PWM Accelerator Pedal sensor. With key ON, read the voltage on the harness.

- If the voltage is acceptable Proceed to step 4.
- If the voltage is not acceptable Proceed to step 3.

Step 3 Step ID 17A1c SRT

With the key OFF, disconnect the harness from the ECU. Measure the voltage for the Dual PWM Accelerator Pedal sensor wiring at the ECU.

- If the voltage is acceptable Replace the engine harness and proceed to the verification procedure.
- If the voltage is not acceptable Call the Engine Support Center regarding possible ECU failure.



	Step 4	Step ID 17A1d	SRT
	With key OFF, replace the Dual PWM Accelerator Pedal sensor and proceed to the verification procedure.		
	Step 5	Step ID 17A1e	SRT
		nce in diagnosing this issue or for spect components, contact the	•
Verification Drive Cycle	· ·		n with the engine off, and allow 10 stics.
			Back to Choose Code
			Back to Index



	Lucas		
Code number	U17A2		
Fault code description	Dual PWM accelerator pedal 2 - Voltage too low or short circuit to ground on ECU		
	D420 pin B45		
Fault code information	1 trip MIL		
	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	Refer to the truck model documentation in DealerNet.		
Location of component(s)	Refer to the truck model documentation in DealerNet.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code	The PCI ECU (D420) detects that the duty-cycle of gas pedal sensor 2 falls less than 10		
Set condition of fault code			
	percent.		
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)	Refer to the truck model documentation in DealerNet.		
Technical data	Refer to the truck model documentation in DealerNet.		
Possible causes	Faulty accelerator pedal or wiring.		
	Faulty connector.		
Additional information	The accelerator pedal position is determined by two sensors (1 and 2) inside the		
	accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to		
	220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that,		
	when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and		
	sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors		
	separately and together.		
	100%		
	D		
	E80%		
	1 00%		
	В		
	A H G		
	C C		
	20%		
	E		
	D F		
	0 19.2 22.8		
	0%		
	A PWM Output - % duty cycle		
	B Sensor 1		
	C Sensor 2		
	D Diagnostic range limit		
	E Auto calibration limit		
	L Auto campi ation minit		



F Rotation angle accelerator pedal (°)
G Span
H Kick down hysteresis
I 100% pedal value at kick down

Diagnostic Step-by-Step

Perform the troubleshooting steps below using the breakout harness, if necessary, to check electrical components, such as sensors, electrical control units, and harnesses. Back probing is not recommended, as it could damage the harness. The ignition should always be in the OFF position when connecting or disconnecting electrical components in order to reduce the likelihood of damage to electrical components.



- Disconnecting the EAS connectors during the troubleshooting process will result in multiple errors.
- For specific electrical component information and pinout locations, always refer to the technical data.
- It is necessary to exit the fault code menu in DAVIE and run the diagnostic test again to identify a change in errors.
- Remember that the truck's operational or mechanical issues may be the root cause of both active and inactive fault codes.
 Refer to the 'possible causes' section.

Step 1 Step ID 17A2a SRT	
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Visual Inspection

OFF the ignition key, disconnect the connector from component and ECU. Visually inspect all applicable connectors (bent, broken, corroded or loose pins) damage to wire harness, sign of exhaust leaks during each step of the diagnostic procedure.

Was there evidence of any of the above?

- No: Proceed to step 2.
- Yes: Make the appropriate repairs or component replacements.

Use DAVIE to re-check for the presence of active faults.

- If this related fault is no longer active, then this issue has been resolved.
- If this related fault is still active, Proceed to step 2

Step 2	Step ID 17A2b	SRT
_, , , , , ,		

Electrical Checks

With key OFF, disconnect the power supply harness from Dual PWM Accelerator Pedal sensor. With key ON, read the voltage on the harness.

- If the voltage is acceptable Proceed to step 4.
- If the voltage is not acceptable Proceed to step 3.

Step 3		Step ID 17A2c	SRT	
34711 11 1	0.55 1:			 1. (

With the key OFF, disconnect the harness from the ECU. Measure the voltage for the Dual PWM Accelerator Pedal sensor wiring at the ECU.

- If the voltage is acceptable Replace the engine harness and proceed to the verification procedure.
- If the voltage is not acceptable Call the Engine Support Center regarding possible ECU failure.



	Step 4	Step ID 17A2d	SRT
	With key OFF, replace the Dual PWM Accelerator Pedal sensor and proceed to the verification procedure.		
	Step 5	Step ID 17A2e	SRT
		nce in diagnosing this issue or fo spect components, contact the	•
Verification Drive Cycle			n with the engine off, and allow 10 stics.
			Back to Choose Code
			Back to Index



Code number Fault code description Fault code information 1 trip MIL 3 drive cycle recovery Readiness group – None Freeze frame type – Generic Description of component(s) Refer to the truck model documentation in DealerNet Location of component(s) Refer to the truck model documentation in DealerNet Diagnostic condition This diagnostic runs continuously when the ignition is on. Set condition of fault code This The PCI ECU (D420) detects that the frequency of gas pedal sensor 2 is greater than 220 Hz. Reset condition of fault code Refer to the truck model documentation in DealerNet Technical data Refer to the truck model documentation in DealerNet The accelerator pedal or wiring Additional information The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together.
Fault code information 1 trip MIL 3 drive cycle recovery Readiness group – None Freeze frame type – Generic Refer to the truck model documentation in DealerNet Refer to the truck model documentation in DealerNet Diagnostic condition Set condition of fault code This The PCI ECU (D420) detects that the frequency of gas pedal sensor 2 is greater than 220 Hz. Reset condition of fault code This DTC changes to inactive when the fault is no longer detected. To validate the repair, monitor the accelerator pedal sensors with DAVIE. Electrical diagram(s) Refer to the truck model documentation in DealerNet Refer to the truck model documentation in DealerNet Refer to the truck model documentation in DealerNet Technical data Refer to the truck model documentation in DealerNet The accelerator pedal or wiring Additional information The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% Before to the truck model documentation in DealerNet The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together.
3 drive cycle recovery Readiness group – None Freeze frame type – Generic Description of component(s) Diagnostic condition Set condition of fault code Refer to the truck model documentation in DealerNet This diagnostic runs continuously when the ignition is on. Set condition of fault code This DTC changes to inactive when the fault is no longer detected. To validate the repair, monitor the accelerator pedal sensors with DAVIE. Electrical diagram(s) Refer to the truck model documentation in DealerNet Technical data Refer to the truck model documentation in DealerNet Faulty accelerator pedal or wiring Additional information The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% Before to the truck model documentation in DealerNet Faulty accelerator pedal or wiring Additional information The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together.
Readiness group – None Freeze frame type – Generic Description of component(s) Refer to the truck model documentation in DealerNet Diagnostic condition This diagnostic runs continuously when the ignition is on. Set condition of fault code This DTC changes to inactive when the fault is no longer detected. To validate the repair, monitor the accelerator pedal sensors with DAVIE. Electrical diagram(s) Refer to the truck model documentation in DealerNet Technical data Refer to the truck model documentation in DealerNet Possible causes Additional information The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together.
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Description of component(s) Location of component(s) Refer to the truck model documentation in DealerNet Diagnostic condition This diagnostic runs continuously when the ignition is on. This diagnostic runs continuously when the ignition is on. This diagnostic runs continuously when the ignition is on. This diagnostic runs continuously when the ignition is on. This diagnostic runs continuously when the ignition is on. This diagnostic runs continuously when the ignition is on. This diagnostic runs continuously when the ignition is on. This diagnostic runs continuously when the ignition is on. This diagnostic runs continuously when the ignition is on. This diagnostic runs continuously when the ignition is on. This diagnostic runs continuously when the ignition is on. This diagnostic runs continuously when the ignition is on. This diagnostic runs continuously when the ignition is on. This diagnostic runs continuously when the ignition is on. This diagnostic runs continuously when the ignition is on. This diagnostic runs continuously when the ignition is on. This diagnostic runs continuously when the ignition is on. Refer to the truck model documentation in longer detected. To validate the repair, monitor the accelerator pedal sensors with DAVIE. Refer to the truck model documentation in DealerNet Possible causes Faulty accelerator pedal or wiring The accelerator pedal or wiring The accelerator pedal or wiring The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together.
Diagnostic condition Set condition of fault code This The PCI ECU (D420) detects that the frequency of gas pedal sensor 2 is greater than 220 Hz. This DTC changes to inactive when the fault is no longer detected. To validate the repair, monitor the accelerator pedal sensors with DAVIE. Electrical diagram(s) Refer to the truck model documentation in DealerNet Resible causes Additional information The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together.
Diagnostic condition This diagnostic runs continuously when the ignition is on. This The PCI ECU (D420) detects that the frequency of gas pedal sensor 2 is greater than 220 Hz. Reset condition of fault code This DTC changes to inactive when the fault is no longer detected. To validate the repair, monitor the accelerator pedal sensors with DAVIE. Electrical diagram(s) Refer to the truck model documentation in DealerNet Reset conditional information The accelerator pedal or wiring The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% B B B B B B B B B B B B B
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than 220 Hz. Reset condition of fault code This DTC changes to inactive when the fault is no longer detected. To validate the repair, monitor the accelerator pedal sensors with DAVIE. Electrical diagram(s) Refer to the truck model documentation in DealerNet Possible causes Faulty accelerator pedal or wiring Additional information The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% B B B B B B B B B B B B B
This DTC changes to inactive when the fault is no longer detected. To validate the repair, monitor the accelerator pedal sensors with DAVIE. Refer to the truck model documentation in DealerNet Refer to the truck model documentation in DealerNet Possible causes Additional information The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% B B B B B B B B B B B B B
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Refer to the truck model documentation in DealerNet Refer to the truck model documentation in DealerNet Possible causes Additional information The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% B B B B B B B B B B B B B
Technical data Refer to the truck model documentation in DealerNet Faulty accelerator pedal or wiring Additional information The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% D B 80%
Additional information The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% B 80%
The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% D B
The accelerator pedal position is determined by two sensors (1 and 2) inside the accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% B 80%
accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to 220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% B 80%
220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that, when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% B 80%
when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% D E
sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors separately and together. 100% B 80%
separately and together. 100% D E
100% D E
D E 80%
D E 80%
B 80%
B 80%
B 80%
A H G
A H G
A H G
c
20%
E
D F
0 19.2 22.8
0%
A PWM Output - % duty cycle
B Sensor 1
C Sensor 2
D Diagnostic range limit
E Auto calibration limit



	F Rotation angle accele	rator pedal (°)	
	G Span		
	H Kick down hysteresis		
	I 100% pedal value at k		
Diagnostic Step-by-Step	Perform the troubles necessary, to check e units, and harnesses. the harness. The ignit connecting or disconlikelihood of damage Disconnecting process will refer to the process of the harness. The ignit connecting or disconlikelihood of damage to the process will refer to the process of the harness. The ignit connecting or disconlikelihood of damage to the process will refer to the process of the harness. The ignit connecting or disconlikelihood of damage to the process will refer to the harness. The ignit connecting or disconlikelihood of damage to the process will refer to the harness. The ignit connecting or disconlikelihood of damage to the process will refer to the harness. The ignit connecting or disconlikelihood of damage to the process will refer to the harness and the process will refer to the harness and the process will refer to the harness and the harness are the harness are the harness and the harness are the harne		rs during the troubleshooting ors. It information and pinout locations,
	Step 1	Step ID 17A5a	SRT
	Visually inspect all applications damage to wire harnest procedure. Was there evidence of No: Proceed to Yes: Make the Use DAVIE to re-check If this related for	icable connectors (bent, s, sign of exhaust leaks d any of the above? step 2. appropriate repairs or co for the presence of active	e faults. hen this issue has been resolved.
	Step 2	Step ID 17A5b	SRT
	Data check		1
	Lookup the tec	hnical data of the specific	•
	Is test pass?	0	
	No: Proceed to	step 3	
	Yes : Proceed t	•	

Step 3

SRT

Step ID 17A5c



	Repair or replac	ce component		
	1 1	or replace the component, also ch	neck for electrical connection	
	and wir	ring harness.		
	Reconn	ect the connector		
	ON the	ON the ignition key		
	Use DAVIE to re	e-check for the presence of active	faults:	
	Is DTC f	Is DTC fault active: Proceed to step 4		
	Is DTC fault inactive: Issue resolved. Clear inactive fault.			
	Step 4	Step ID 17A5d	SRT	
		stance in diagnosing this issue or	•	
	replacement of suspect components, contact the Engine Support Call Center at			
	1-800-477-0252	1.		
Verification Drive Cycle	To validate the re	epair:		
	With the brakes	set, turn the key to the ON position	on with the engine off, and allow 10	
	seconds for the s	system to initialize and run diagno	estics	
			Back to Choose Code	
			Back to Index	



Code number	U17A6		
Fault code description	Dual PWM accelerator pedal 2 - Frequency too low on ECU D420 pin B45		
Fault code description	1 trip MIL		
rault code information	· ·		
	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Comprehensive		
Description of component(s)	Refer to the truck model documentation in DealerNet.		
Location of component(s)	Refer to the truck model documentation in DealerNet.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code	The PCI ECU (D420) detects that the frequency of gas pedal sensor 2 is less than 180		
	Hz.		
Reset condition of fault code	This DTC changes to inactive when the fault is no longer detected. To validate the		
	repair, monitor the accelerator pedal sensors with DAVIE.		
Electrical diagram(s)	Refer to the truck model documentation in DealerNet.		
Technical data	Refer to the truck model documentation in DealerNet.		
Possible causes	Faulty accelerator pedal or wiring		
Additional information	The accelerator pedal position is determined by two sensors (1 and 2) inside the		
	accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to		
	220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that,		
	when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and		
	sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors		
	separately and together.		
	separately and together.		
	100%		
	D T		
	E		
	В		
	A H G		
	c		
	20%		
	E		
	DF		
	0 19.2 22.8		
	0%		
	A PWM Output - % duty cycle		
	B Sensor 1		
	C Sensor 2		
	D Diagnostic range limit		
	E Auto calibration limit		
	F Rotation angle accelerator pedal (°)		



	G Span		
	H Kick down hys		
	I 100% pedal val	ue at kick down he troubleshooting steps below	
Diagnostic Step-by-Step	necessary, to check electrical components, such as sensors, electrical control units, and harnesses. Back probing is not recommended, as it could damage the harness. The ignition should always be in the OFF position when connecting or disconnecting electrical components in order to reduce the likelihood of damage to electrical components. • Disconnecting the EAS connectors during the troubleshooting process will result in multiple errors. • For specific electrical component information and pinout locations, always refer to the technical data. • It is necessary to exit the fault code menu in DAVIE and run the diagnostic test again to identify a change in errors. • Remember that the truck's operational or mechanical issues may be the root cause of both active and inactive fault codes. Refer to the		
		oossible causes' section.	
	Step 1	Step ID 17A6a	SRT
	Visually inspect of damage to wire procedure. Was there evide No: Procedure: Yes: Maluse DAVIE to refer to r	key, disconnect the connector frall applicable connectors (bent, bearness, sign of exhaust leaks dunce of any of the above? Seed to step 2. The the appropriate repairs or concheck for the presence of active lated fault is no longer active, the lated fault is still active, Proceed	proken, corroded or loose pins) uring each step of the diagnostic mponent replacements. faults. en this issue has been resolved.
	Step 2	Step ID 17A6b	SRT
	Data check	3(C) 10 17A00	1 31/1
	LookupPerformIs test pass?	the technical data of the specific the checking data test of the sp	•
	No: Prod	ceed to step 3	

Yes: Proceed to step4

Step ID 17A6c

SRT

Step 3



	and wiring h Reconnect t ON the ignit Use DAVIE to re-che Is DTC fault Is DTC fault Step 4 For further assistance	place the component, also che narness. he connector	aults: inactive fault. SRT or confirmation prior to the
Verification Drive Cycle	To validate the repair: With the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics.		
			<u>Back to Choose Code</u> <u>Back to Index</u>



017710			
Code number	U17A8		
Fault code description	Dual PWM accelerator pedal - Failure		
Fault code information	1 trip MIL + 1 trip red fault lamp		
	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type - Generic		
Description of component(s)	Refer to the truck model documentation in DealerNet		
Location of component(s)	Refer to the truck model documentation in DealerNet		
•			
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code	The PCI ECU (D420) detects that DTCs are active on both gas pedal sensors.		
Reset condition of fault code	This DTC changes to inactive when the fault is no longer detected. To validate the		
	repair, monitor the accelerator pedal sensors with DAVIE.		
Electrical diagram(s)	Refer to the truck model documentation in DealerNet.		
Technical data	Refer to the truck model documentation in DealerNet.		
Possible causes	Faulty accelerator pedal or wiring.		
Additional information	The accelerator pedal position is determined by two sensors (1 and 2) inside the		
	accelerator pedal. The sensor outputs are PWM signals at a fixed frequency of 180 to		
	220 Hz. Sensor signals 1 and 2 are reversed compared with each other, meaning that,		
	when pressing the accelerator more, sensor 1 shows a decreasing PWM signal and		
	sensor 2 shows an increasing PWM signal. The PCI ECU monitors both sensors		
	separately and together.		
	Separately and together.		
	100%		
	© Rectangular Snip		
	D Nectargular ship		
	E		
	В		
	A H G		
	C C		
	E 20%		
	0 19.2 22.8		
	A PWM Output - % duty cycle		
	B Sensor 1		
	C Sensor 2		
	D Diagnostic range limit		
	F Rotation angle accelerator pedal (°)		
	G Span		
	H Kick down hysteresis		



I 100% pedal value at kick down

Diagnostic Step-by-Step



Perform the troubleshooting steps below using the breakout harness, if necessary, to check electrical components, such as sensors, electrical control units, and harnesses. Back probing is not recommended, as it could damage the harness. The ignition should always be in the OFF position when connecting or disconnecting electrical components in order to reduce the likelihood of damage to electrical components.



- Disconnecting the EAS connectors during the troubleshooting process will result in multiple errors.
- For specific electrical component information and pinout locations, always refer to the technical data.
- It is necessary to exit the fault code menu in DAVIE and run the diagnostic test again to identify a change in errors.
- Remember that the truck's operational or mechanical issues may be the root cause of both active and inactive fault codes. Refer to the 'possible causes' section.

Step 1	Step ID 17A8a	SRT

Visual Inspection

OFF the ignition key, disconnect the connector from component and ECU. Visually inspect all applicable connectors (bent, broken, corroded or loose pins) damage to wire harness, sign of exhaust leaks during each step of the diagnostic

procedure. Was there evidence of any of the above?

- No: Proceed to step 2.
- Yes: Make the appropriate repairs or component replacements.

Use DAVIE to re-check for the presence of active faults.

- If this related fault is no longer active, then this issue has been resolved.
- If this related fault is still active, Proceed to step 2

Step 2	Step ID 17A8b	SRT
--------	---------------	-----

Data check

- Lookup the technical data of the specific system
- Perform the checking data test of the specific component

Is test pass?

- No: Proceed to step 3
- Yes: Proceed to step4

C1 0	C: ID 4740	CDT
Step 3	Step ID 17A8c	SRT

Repair or replace component

- Repair or replace the component, also check for electrical connection and wiring harness.
- Reconnect the connector
- ON the ignition key

Use DAVIE to re-check for the presence of active faults:

- Is DTC fault active: Proceed to step 4
- Is DTC fault inactive: Issue resolved. Clear inactive fault

Step 4	Step ID 17A8d	SRT
For further assistance in diagnosing this issue or for confirmation prior to the		



	replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251.
Verification Drive Cycle	To validate the repair: With the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics.
	Back to Choose Code Back to Index



U17B0

Code number	U17B0
Fault code description	Water in fuel drain control - Short circuit to supply on ECU D420 pin A40
Fault code information	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	For further assistance: Contact the PACCAR Engine Support Call Center 1-800-477-0251 Please contact the Engine Support Center
Location of component(s)	
Diagnostic condition	
Set condition of fault code	
Reset condition of fault code	
Electrical diagram(s)	
Technical data	
Possible causes	
Additional information	
Diagnostic Step-by-Step	Please refer to chassis wiring information.
Verification Drive Cycle	N/A
	Back to Choose Code
	Back to Index



U17B1

Code number	U17B1
Fault code description	Water in fuel drain control - Short circuit to ground on ECU D420 pin A40
Fault code information	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	
	For further assistance: Contact the PACCAR Engine Support Call Center 1-800-477-0251 Please contact the Engine Support Center
Location of component(s)	
Diagnostic condition	
Set condition of fault code	
Reset condition of fault code	
Electrical diagram(s)	
Technical data	
Possible causes	
Additional information	
Diagnostic Step-by-Step	Please refer to chassis wiring information.
Verification Drive Cycle	N/A
	Back to Choose Code
	Back to Index



Code number	U17B3
Fault code description	Water in fuel drain control - Short circuit to supply on ECU D420 pin A37
Fault code information	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	For further assistance: Contact the PACCAR Engine Support Call Center 1-800-477-0251 Please contact the Engine Support Center
Location of component(s)	
Diagnostic condition	
Set condition of fault code	
Reset condition of fault code	
Electrical diagram(s)	
Technical data	
Possible causes	
Additional information	
Diagnostic Step-by-Step	Please refer to chassis wiring information.
Verification Drive Cycle	N/A
	Back to Choose Code
	Back to Index



Code number	U17B4		
Fault code description	Water in fuel drain control - Short circuit to ground on ECU D420 pin A37		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	For further assistance: Contact the PACCAR Engine Support Call Center 1-800-477-0251 Please contact the Engine Support Center		
Location of component(s)			
Diagnostic condition			
Set condition of fault code			
Reset condition of fault code			
Electrical diagram(s)			
Technical data			
Possible causes			
Additional information			
Diagnostic Step-by-Step	Please refer to chassis wiring information.		
Verification Drive Cycle	N/A		
	Back to Choose Code		
	Back to Index		

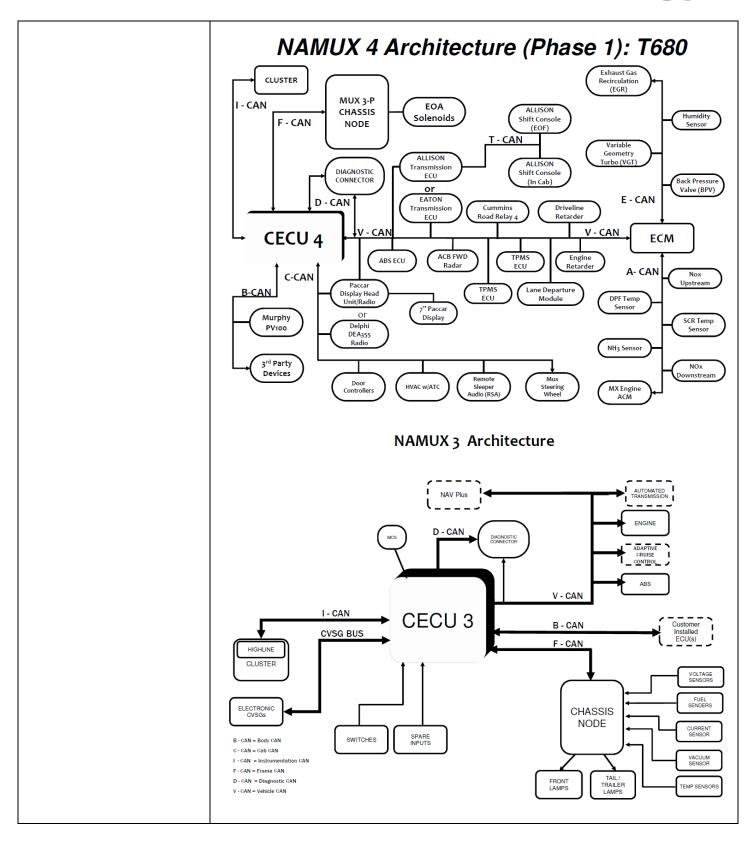


Code number	U17B5
Fault code description	Water in fuel drain control – Current too low or open circuit on ECU D420 pin A37
Fault code information	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	For further assistance: Contact the PACCAR Engine Support Call Center 1-800-477-0251 Please contact the Engine Support Center
	Trease contact the Engine support center
Location of component(s)	
Diagnostic condition	
Set condition of fault code	
Reset condition of fault code	
Electrical diagram(s)	
Technical data	
Possible causes	
Additional information	
Diagnostic Step-by-Step	Please refer to chassis wiring information.
Verification Drive Cycle	N/A
	Back to Choose Code
	Back to Index

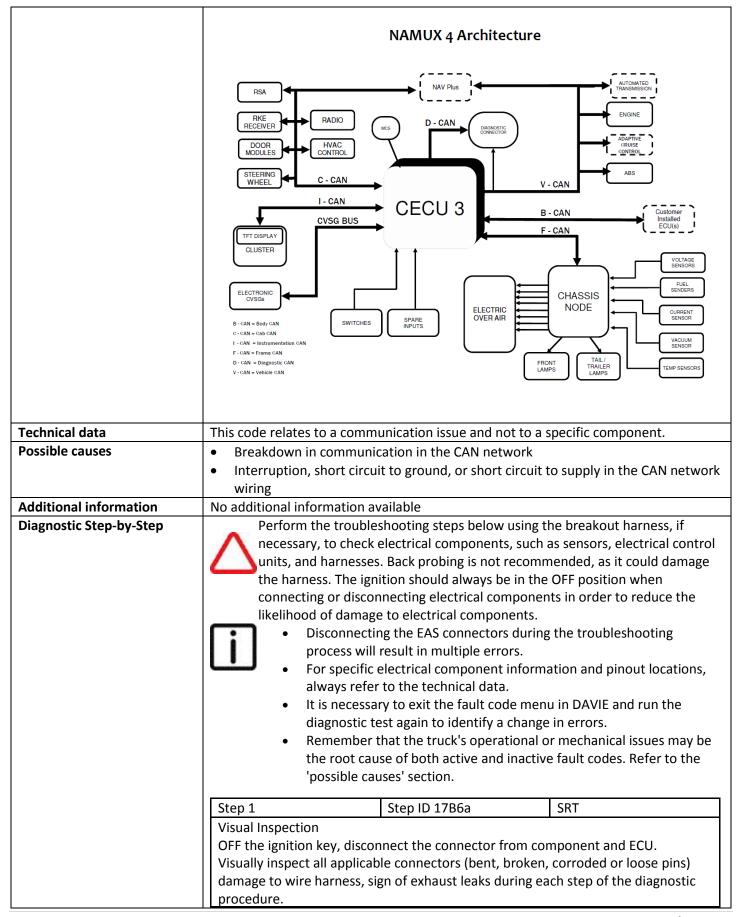


Code number	U17B6	
Fault code description	CAN communication - Message (TSC1_AE) data fault from brake system	
Fault code information	3 drive cycle recovery	
	Readiness group – None	
	Freeze frame type – Generic	
Description of component(s)	This code relates to a communication issue and not to a specific component.	
Location of component(s)	This code relates to a communication issue and not to a specific component.	
Diagnostic condition	This diagnostic runs continuously when the ignition is on.	
Set condition of fault code		
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.	
Electrical diagram(s)		
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN	









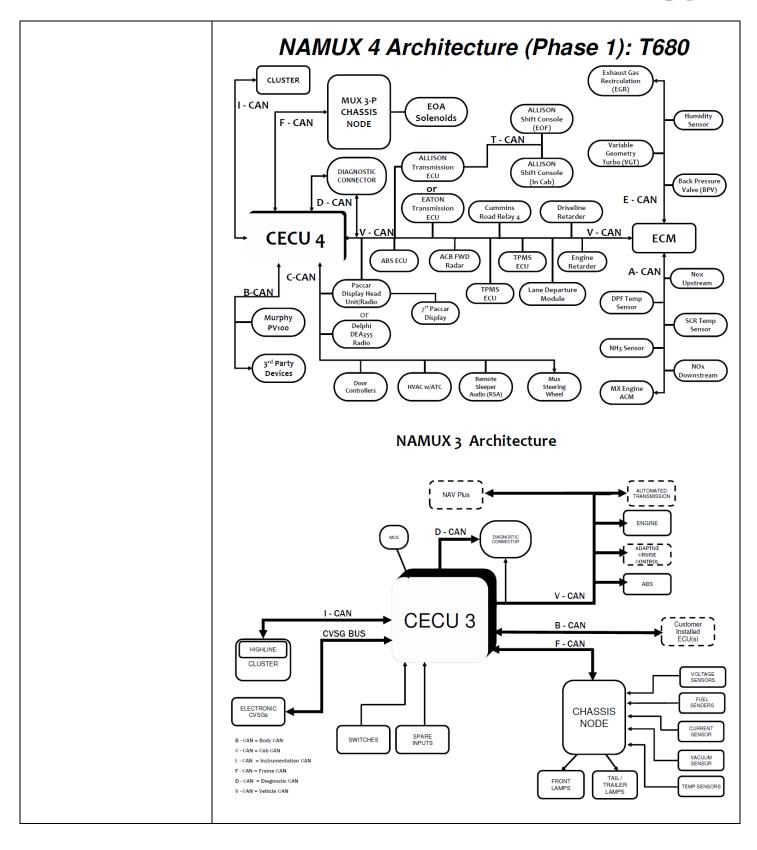


	Was there evidence of any of the above?			
	No: Procee	ed to step 2.		
	Yes: Make	the appropriate repairs or com	ponent replacements.	
		Use DAVIE to re-check for the presence of active faults.		
	If this related fault is no longer active, then this issue has been resolved.			
	If this related fault is still active, Proceed to step 2			
	Step 2	Step 2 Step ID 17B6b SRT		
	Data check	•	<u> </u>	
	 Lookup the 	e technical data of the specific s	system	
		ne checking data test of the spe		
	Is test pass?		·	
	No: Procee	ed to step 3		
	Yes : Proce	eed to step4		
		·		
	Step 3 Step ID 17B6c SRT			
	Repair or replace of	component	•	
	Repair or r	eplace the component, also che	eck for electrical connection and	
	 wiring harness. Reconnect the connector ON the ignition key 			
	Use DAVIE to re-ch	neck for the presence of active f	aults:	
	Is DTC faul	t active: Proceed to step 4		
	Is DTC fault inactive: Issue resolved. Clear inactive fault.			
	Step 4	Step ID 17B6d	SRT	
	For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251.			
Verification Drive Cycle	To verify the repair:			
	With the brakes set, turn the key to the ON position with the engine off, and allow 10			
	seconds for the system to initialize and run diagnostics.			
	With the brakes set, start the engine and allow it to run at idle for 2 minutes. Back to Choose Code			
			Back to Index	

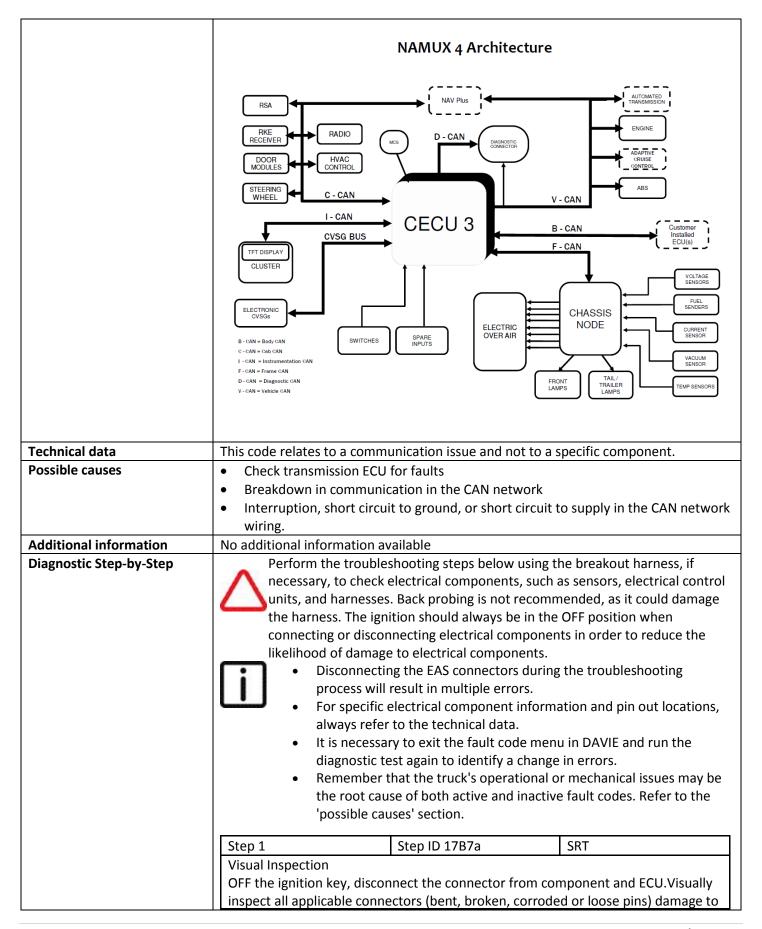


Code number	U17B7		
Fault code description	CAN communication - Message (TSC1_BE) data fault		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	Diagnostic CAN STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR Display Vehicle CAN Vehicle CAN CVSG BUS CVSG BUS Frame CAN Frame CAN Frame CAN CURRENT SENSOR FUEL SENSOR FUEL SENSOR FIREWALL FRONT TAIL TRAILER LAMPS TEMP SENSORS		









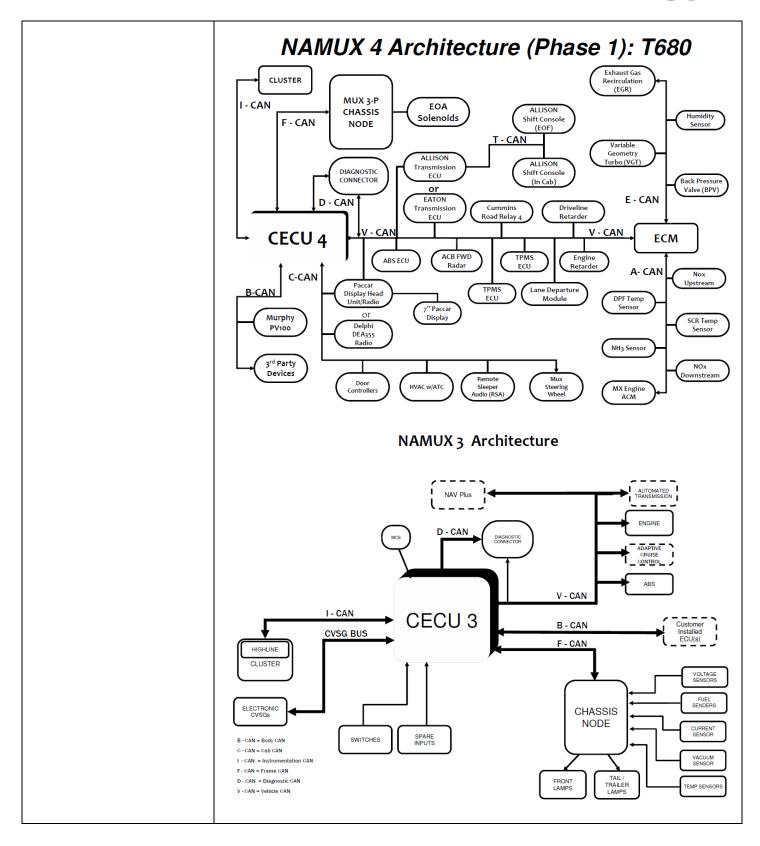


	wire harness, sign of exhaust leaks during each step of the diagnostic procedure.		
		nce of any of the above?	
		eed to step 2.	
	Yes: Make the appropriate repairs or component replacements.		
	Use DAVIE to re-check for the presence of active faults.		
	If this related fault is no longer active, then this issue has been resolved.		
	If this rel	ated fault is still active, Proceed	to step 2
	Step 2	Step ID 17B7b	SRT
	Data check		
	1 1	he technical data of the specific	-
		the checking data test of the spe	ecific component
	Is test pass?		
		eed to step 3	
	Yes : Pro	ceed to step4	
	Step 3	Step ID 17B7c	SRT
	Repair or replace	•	
	Repair or replace the component, also check for electrical connection and		
	wiring harness.		
	Reconnect the connector		
	ON the ignition key		
	Use DAVIE to re-check for the presence of active faults:		
	Is DTC fault active: Proceed to step 4		
	• IS DIC ta	ult inactive: Issue resolved. Clear	r inactive fault.
	Step 4	Step ID 17B7d	SRT
	For further assistance in diagnosing this issue or for confirmation prior to the		
	replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251.		
Verification Drive Cycle	To verify the repai	r·	
Termodion Brite eyele	With the brakes set, turn the key to the ON position with the engine off, and allow 10		
	seconds for the system to initialize and run diagnostics.		
	With the brakes set, start the engine and allow it to run at idle for 2 minutes		
	Back to Choose Code		
			Back to Index

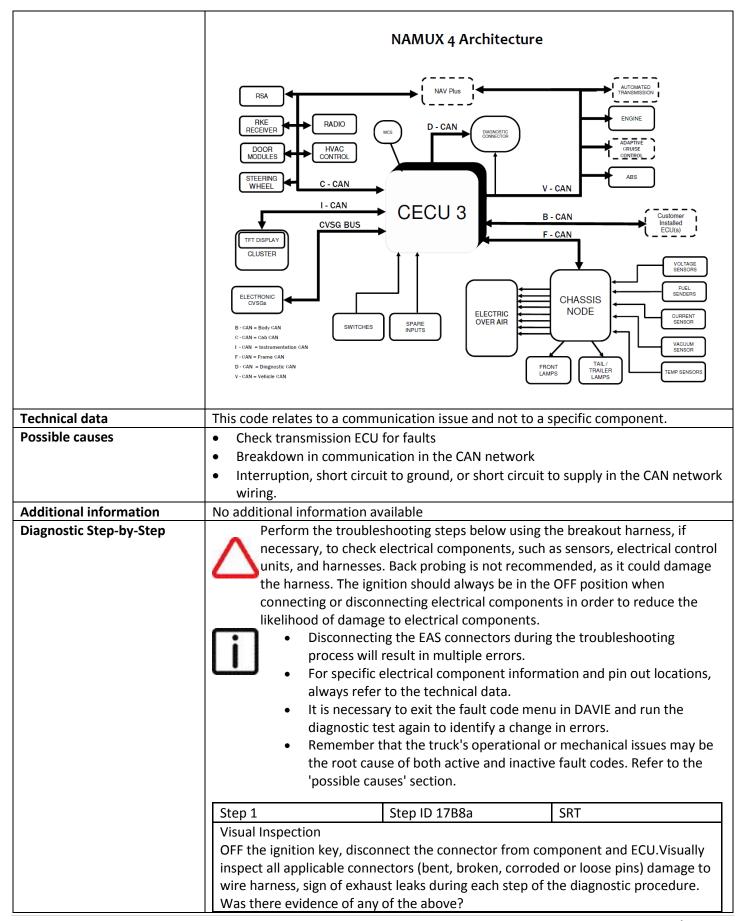


Code number	U17B8		
Fault code description	CAN communication - Message (TSC1_HCE) data fault from emission system		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab STEERING WHEEL Aftertreatment CAN ENGINE ENGINE CONNECTOR CONNECTO		









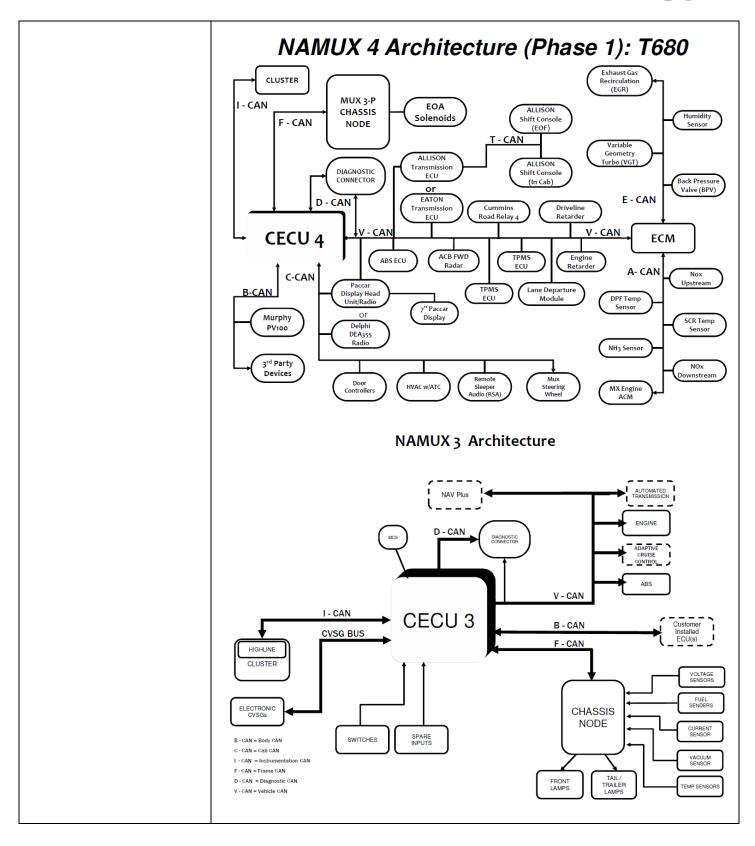


	No: Proce			
	Yes: Make	Yes: Make the appropriate repairs or component replacements.		
	Use DAVIE to re-c	Use DAVIE to re-check for the presence of active faults.		
	 If this rela 	ted fault is no longer active, the	en this issue has been resolved.	
	If this rela	If this related fault is still active, Proceed to step 2		
	Step 2	Step ID 17B8b	SRT	
	Data check			
	 Lookup th 	Lookup the technical data of the specific system		
	 Perform t 	he checking data test of the spe	ecific component	
	Is test pass?		·	
	No: Proce	ed to step 3		
	Yes : Proc	eed to step4		
		·		
	Step 3	Step ID 17B8c	SRT	
	Repair or replace	Repair or replace component		
	Repair or	replace the component, also ch	neck for electrical connection and	
	wiring har	wiring harness.		
	Reconnect the connector			
	ON the ign	nition key		
	Use DAVIE to re-c	heck for the presence of active	faults:	
	Is DTC fau			
	Is DTC fau			
	Step 4	Step ID 17B8d	SRT	
	For further assista	For further assistance in diagnosing this issue or for confirmation prior to the		
	replacement of su	replacement of suspect components, contact the Engine Support Call Center at 1-		
	800-477-0251.			
Verification Drive Cycle	To verify the repair			
	With the brakes set	With the brakes set, turn the key to the ON position with the engine off, and allow 10		
	seconds for the system to initialize and run diagnostics.			
	With the brakes set, start the engine and allow it to run at idle for 2 minutes			
			Back to Choose Code	
			Back to Index	

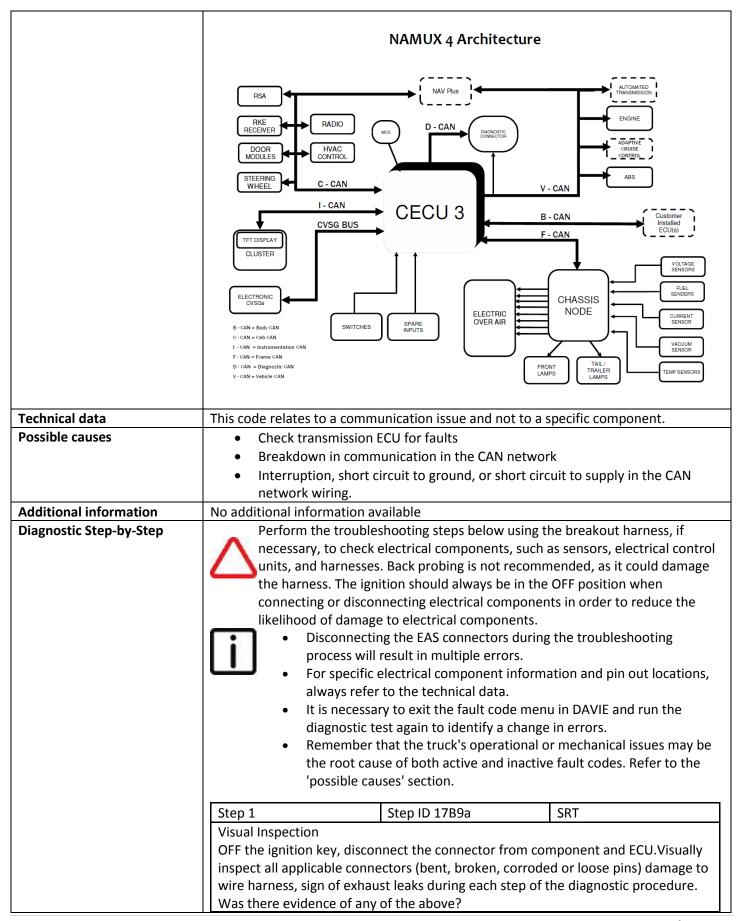


Code number	U17B9		
Fault code description	CAN communication - Message (TSC1_PE) data fault		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab STEERING WHEEL Aftertreatment CAN ENGINE CONNECTOR CONNE		











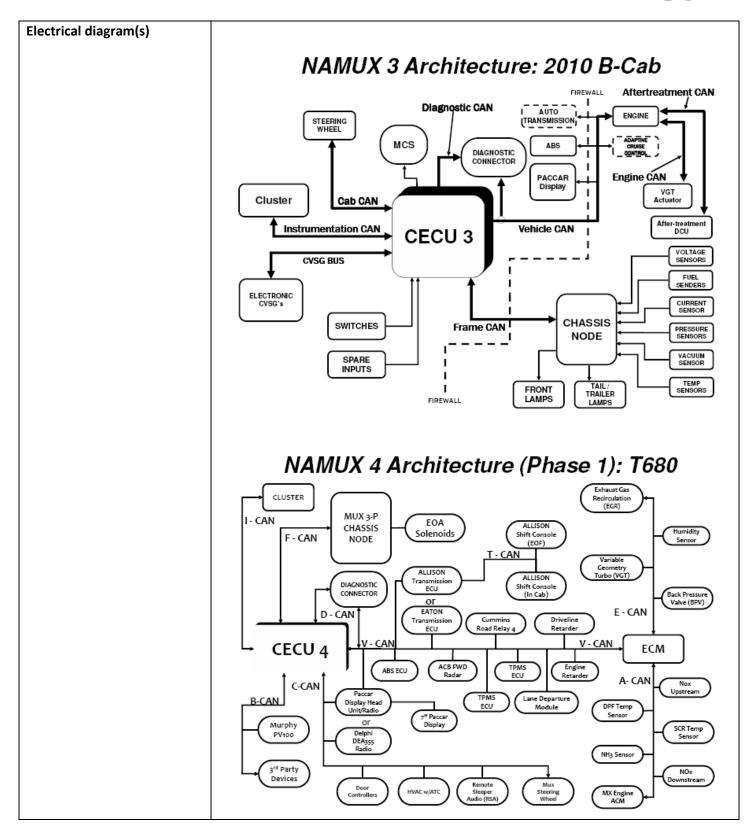
		The Frederick Step 2.		
		the appropriate repairs or con	•	
	Use DAVIE to re-ch	Use DAVIE to re-check for the presence of active faults.		
	 If this relat 	ed fault is no longer active, the	en this issue has been resolved.	
	 If this relat 	If this related fault is still active, Proceed to step 2		
	Step 2	Step ID 17B9b	SRT	
	Data check			
	Lookup the	e technical data of the specific	system	
	Perform th	ne checking data test of the spe	ecific component	
	Is test pass?	-	·	
	No: Procee	ed to step 3		
	Yes : Proce	eed to step4		
		·		
	Step 3	Step ID 17B9c	SRT	
	Repair or replace of	omponent		
	Repair or r	 Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector 		
	wiring har			
	 Reconnect 			
	ON the ignition key			
	Use DAVIE to re-ch	eck for the presence of active	faults:	
	Is DTC faul	t active: Proceed to step 4		
	Is DTC faul	Is DTC fault inactive: Issue resolved. Clear inactive fault.		
	Step 4	Step ID 17B9d	SRT	
	For further assistance in diagnosing this issue or for confirmation prior to the			
	replacement of suspect components, contact the Engine Support Call Center at 1-			
	800-477-0251.			
Verification Drive Cycle	To verify the repair:	To verify the repair:		
	With the brakes set, turn the key to the ON position with the engine off, and allow 10			
	seconds for the system to initialize and run diagnostics			
	With the brakes set, start the engine and allow it to run at idle for 2 minutes			
	Back to Choose Code			
			Back to Index	



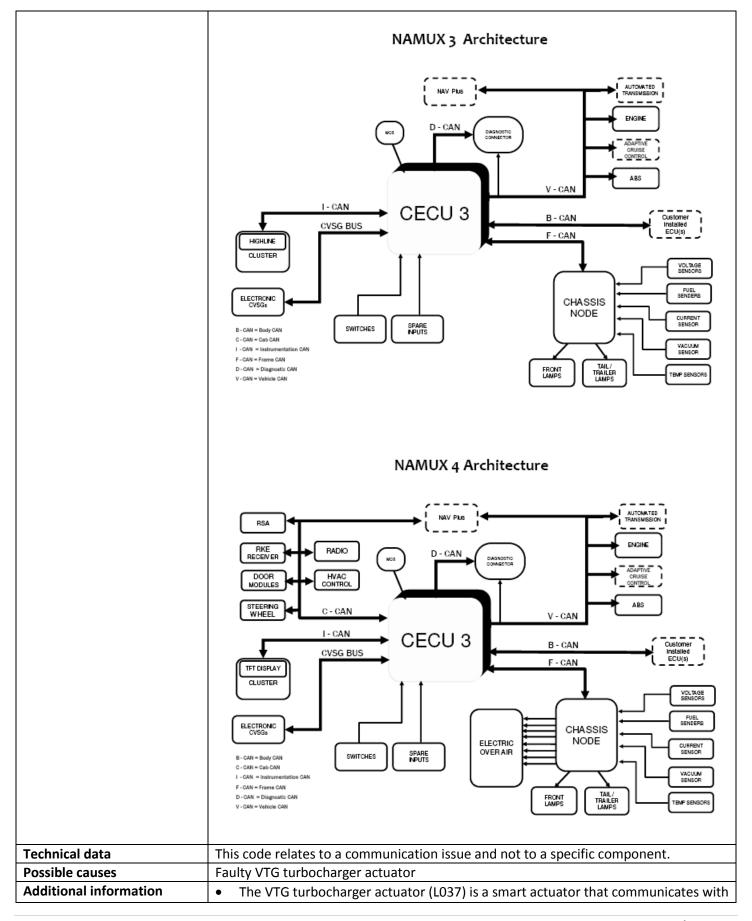
U17BA

Code number	U17BA			
Fault code description	VTG turbo charger actuator temperature – Data erratic, intermittent or incorrect at			
	ignition on.			
Fault code information	2 trip MIL			
	3 drive cycle recovery			
	Readiness group – None			
	Freeze frame type – Generic			
Description of component(s)	This code relates to a communication issue and not to a specific component.			
Location of component(s)	This code relates to a communication issue and not to a specific component.			
Diagnostic condition	This diagnostic runs:			
	ignition has been keyed off continuously for at least 8 hours.			
	difference between the coolant temperature and ambient temperature is less			
	than 15°C [59°F]			
	ambient temperature is more than -20°C [-4°F]			
Set condition of fault code	The PCI ECU (D420) detects that the VTG turbocharger actuator temperature differs			
	by more than 3°C [37°F] from the averages of other temperature sensor readings of			
	the engine for more than 5 seconds (after the ignition has been keyed off for at least 8			
	hours).			
Reset condition of fault code	The 8-hour ignition off diagnostics consists of three separate steps:			
	The vehicle ignition may NOT be keyed on or the engine started for 8 to 10			
	consecutive hours (ideal situation would be overnight).			
	Once the 8 to 10 consecutive hours have been reached, key on the ignition (NO)			
	engine start) and wait for 10 seconds to allow the system to power up and the			
	diagnostics to run.			
	Start the engine and let it idle for 2 minutes.			
	This DTC changes to inactive when the fault is no longer detected.			











	the PCI ECU via E-CAN. The actuator ECU is controlled by the PCI ECU but has its			
	 own diagnostics. For this diagnostic, the VTG turbocharger actuator temperature is compared with 			
	• For this diagnostic, the VIG turbocharger actuator temperature is compared with the averages of other temperature sensor readings of the engine after the			
	ignition has been keyed off for at least 8 hours.			
Diagnostic Step-by-Step	Perform the troubleshooting steps below using the breakout harness, if			
Diagnostic Step by Step	necessary, to check electrical components, such as sensors, electrical control			
	units, and harnesses. Back probing is not recommended, as it could damage the			
	harness. The ignition should always be in the OFF position when connecting or			
	disconnecting electrical components in order to reduce the likelihood of			
	damage to electrical components.			
	Disconnecting the EAS connectors during the troubleshooting process			
	will result in multiple errors.			
	For specific electrical component information and pinout location			
	always refer to the technical data.			
	 It is necessary to exit the fault code menu in DAVIE and run the 			
	diagnostic test again to identify a change in errors.			
	 Remember that the truck's operational or mechanical issues may be 			
	the root cause of both active and inactive fault codes. Refer to the			
	'possible causes' section. Step 1 Step ID 17BA-a SRT			
	Visual Inspection			
	OFF the ignition key, disconnect the connector from component and ECU.			
	Visually inspect all applicable connectors (bent, broken, corroded or loose pins)			
	damage to wire harness, sign of exhaust leaks during each step of the diagnostic			
	procedure.			
	 Was there evidence of any of the above? No: Proceed to step 2. Yes: Make the appropriate repairs or component replacements. 			
	res. Wake the appropriate repairs of component replacements.			
	Use DAVIE to re-check for the presence of active faults.			
	If this related fault is no longer active, then this issue has been resolved.			
	If this related fault is still active, Proceed to step 2			
	Step 2 Step ID 17BA-b SRT			
	Data check			
	Lookup the technical data of the specific system			
	 Perform the checking data test of the specific component Is test pass? No: Proceed to step 3 Yes: Proceed to step4 			
	Step 3 Step ID 17BA-c SRT			
	Repair or replace component			
	Repair or replace the component, also check for electrical connection and			
	wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults:			
	Is DTC fault active: Proceed to step 4			



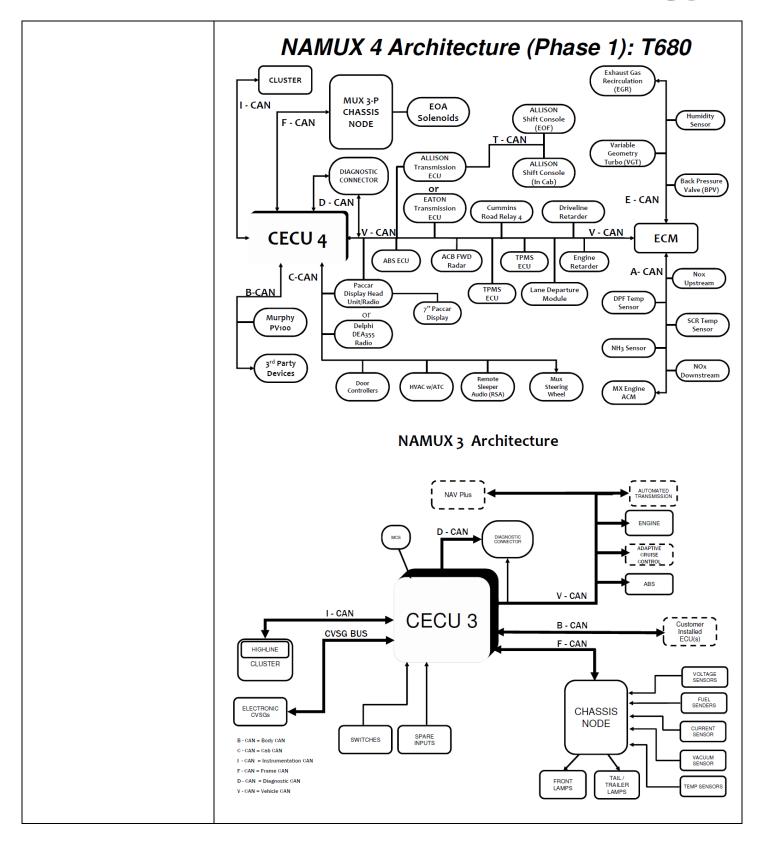
	Is DTC fa	Is DTC fault inactive: Issue resolved. Clear inactive fault		
	Step 4	Step ID 17BA-d	SRT	
	For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251.			
Verification Drive Cycle	To validate the repair, with the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes.			
			Back to Choose Code	
	Back to Index			



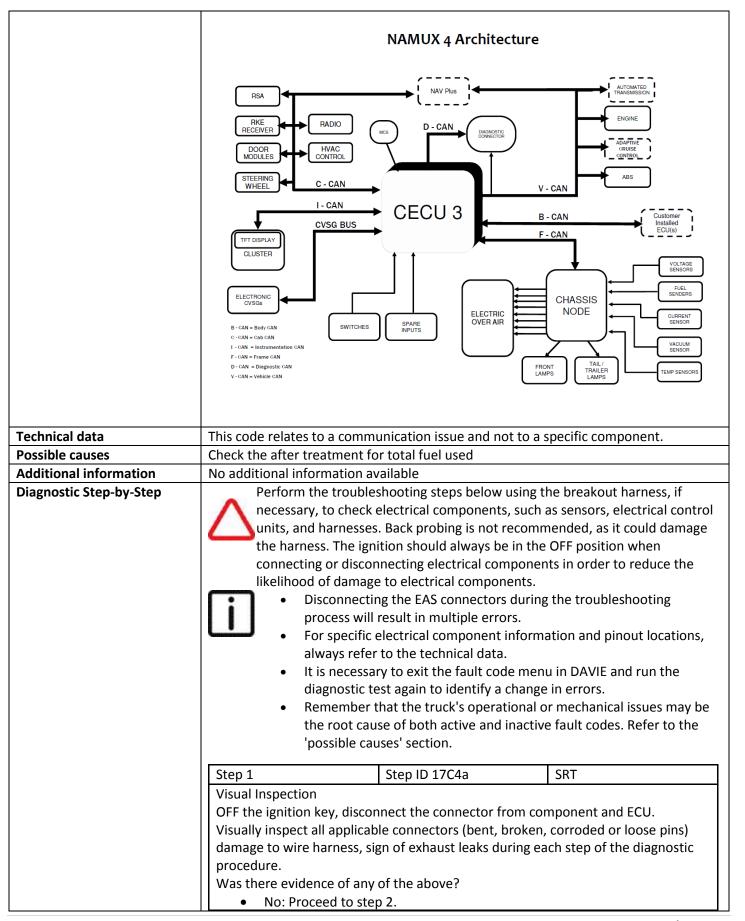
U17C4

Code number	U17C4		
Fault code description	CAN communication - Message (TSC1 ACXR) rate too low		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab STEERING WHEEL Aftertreatment CAN ENGINE CONNECTOR CONNE		











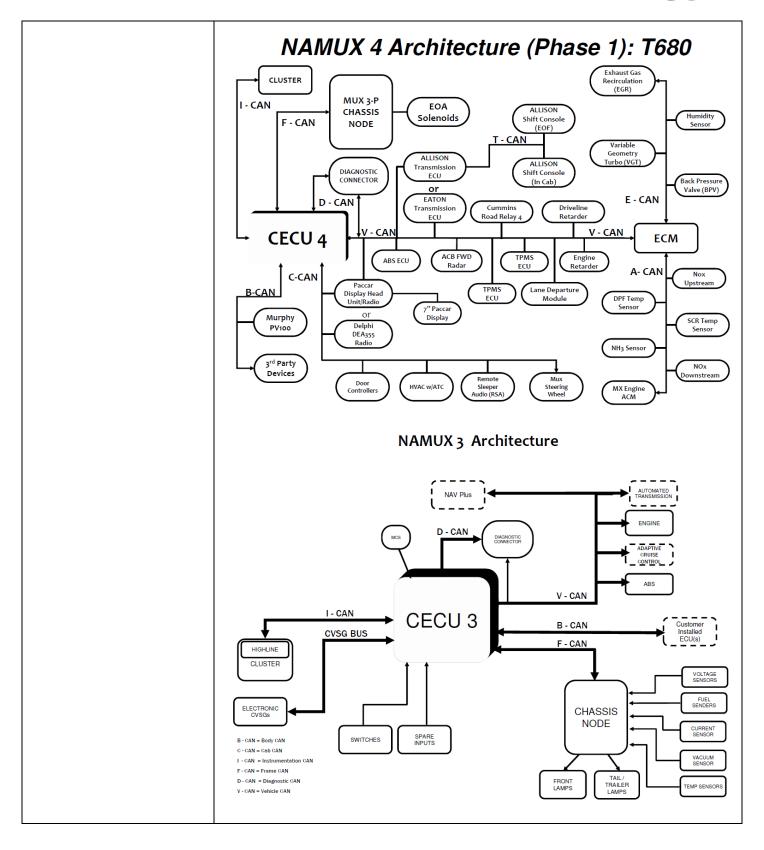
	 Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2 		
	Step 2	Step ID 17C4b	SRT
	Data checkLookup the technical data of the specific system		
	Perform the checking data test of the specific component Is test pass?		
	No: Proceed to step 3 Yes: Proceed to step4		
	Step 3 Step ID 17C4c SRT		
	 Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness . 		
	 Reconnect the connector ON the ignition key 		
	Use DAVIE to re-check for the presence of active faults:		
	 Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. 		
	Step 4	Step ID 17C4d	SRT
	For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251.		
Verification Drive Cycle	To verify the repair: With the brakes set, turn the key to the ON position with the engine off, and allow 10		
	seconds for the system to initialize and run diagnostics With the brakes set, start the engine and allow it to run at idle for 2 minutes		
	Back to Choose Code Back to Index		



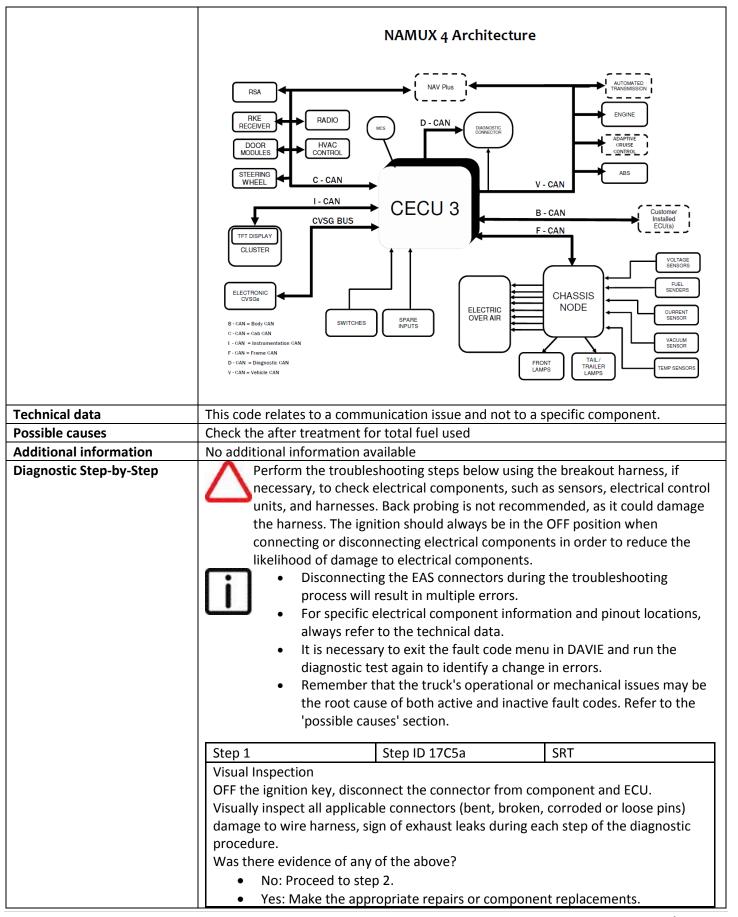
U17C5

Code number	U17C5		
Fault code description	CAN communication - Message (TSC1_AXR) rate too low		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab STEERING WHEEL Aftertreatment CAN ENGINE CONNECTOR CONNE		











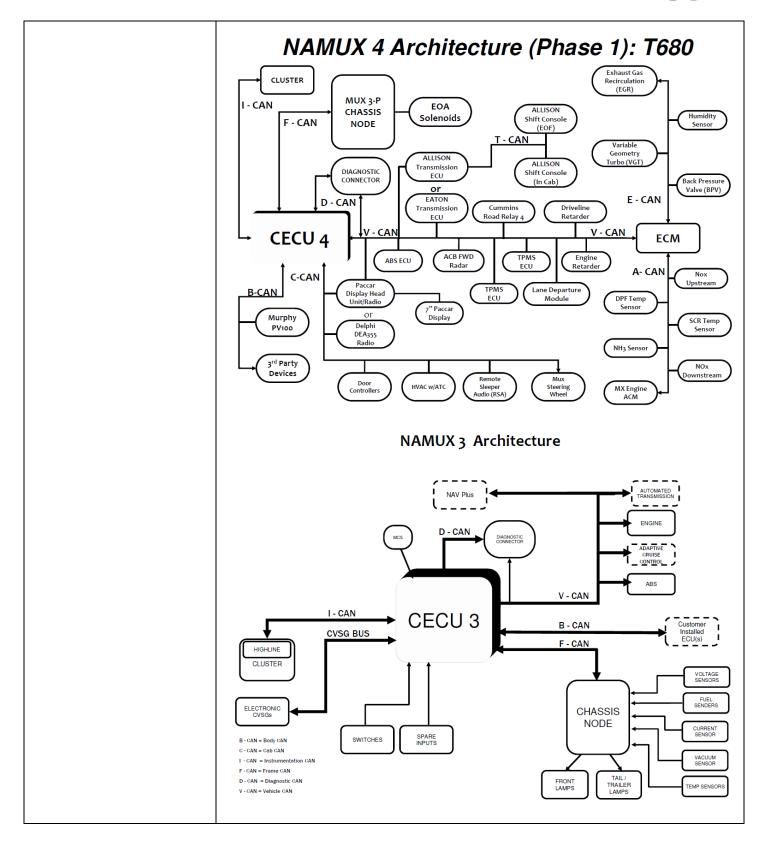
	Use DAVIE to re-check for the presence of active faults.		
	If this related fault is no longer active, then this issue has been resolved.		
	If this related fault is still active, Proceed to step 2		
	Step 2	Step ID 17C5b	SRT
	Data check		
	Lookup the technical data of the specific system		
	 Perform the checking data test of the specific component Is test pass? No: Proceed to step 3 		
	Yes : Proceed to step4		
	Step 3	Step ID 17C5c	SRT
	Repair or replace component		
	 Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. 		
	Step 4	Step ID 17C5d	SRT
	For further assistance in diagnosing this issue or for confirmation prior to the		
	replacement of suspect components, contact the Engine Support Call Center at 1-		
	800-477-0251.		
Verification Drive Cycle	To verify the repair:		
	With the brakes set, turn the key to the ON position with the engine off, and allow 10		
	seconds for the system to initialize and run diagnostics.		
	With the brakes set, start the engine and allow it to run at idle for 2 minutes		
	Back to Choose Code		
			<u>Back to Index</u>



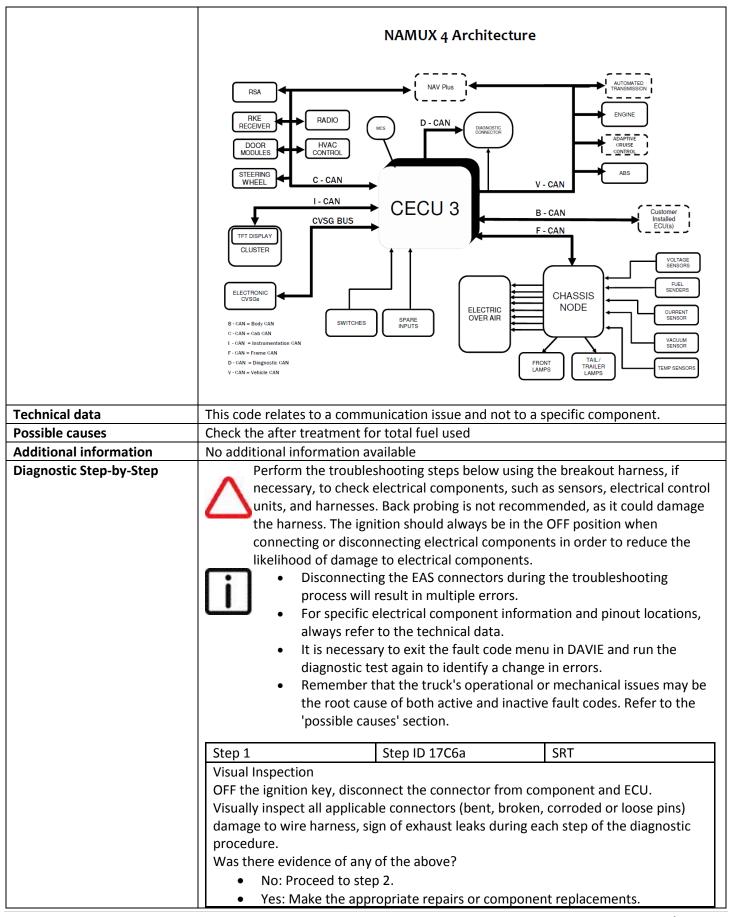
U17C6

Code number	U17C6		
Fault code description	CAN communication - Message (TSC1_DXR) rate too low from retarder		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN ABS ONDE ONTER ONTER ONTER ACT ONTER ONTER ACT ACT ACT ONTER		











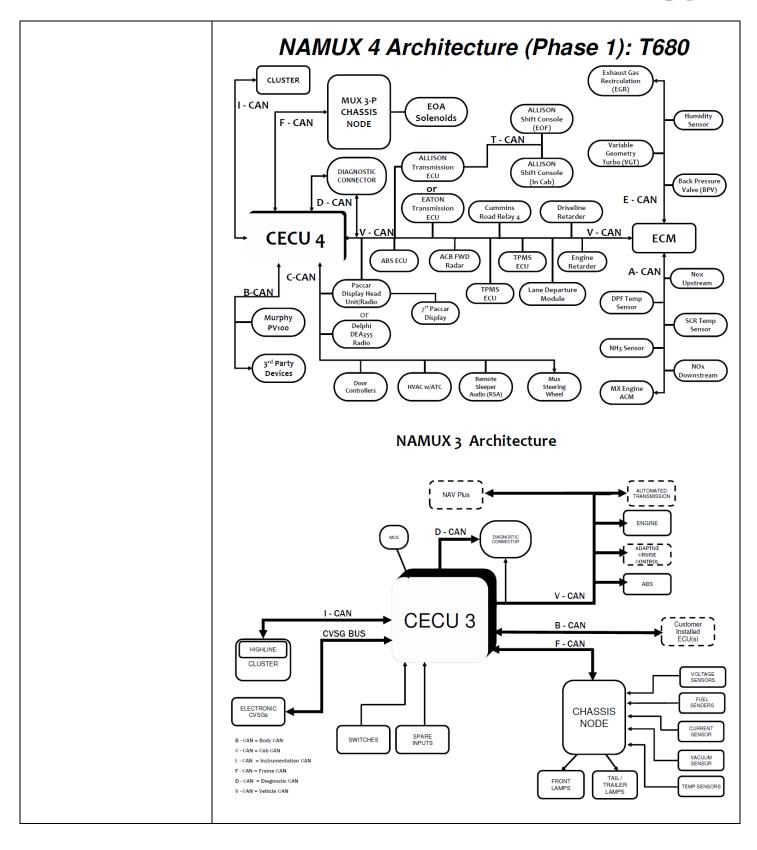
	 Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2 			
	Step 2	Step ID 17C6b	SRT	
	Data check	•	•	
	 Lookup the technical data of the specific system Perform the checking data test of the specific component Is test pass? No: Proceed to step 3 Yes: Proceed to step4 			
		Ta:	T	
	Step 3	Step ID 17C6c	SRT	
	 Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. 			
	Step 4	Step ID 17C6d	SRT	
	For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251			
Verification Drive Cycle	To verify the repair:	To verify the repair:		
	With the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes			
	Back to Choose Code			
	Back to Index			



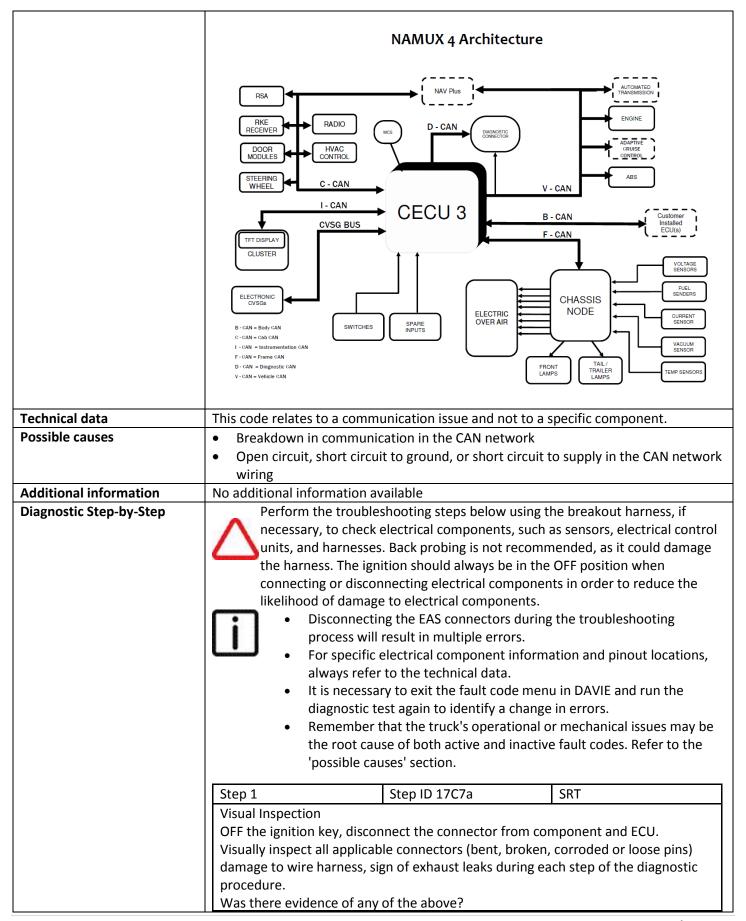
U17C7

Code number	U17C7
Fault code description	CAN communication - Message (TSCI_TXR) rate too low from transmission system
Fault code information	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	This code relates to a communication issue and not to a specific component.
Location of component(s)	This code relates to a communication issue and not to a specific component.
Diagnostic condition	This diagnostic runs continuously when the ignition is on.
Set condition of fault code	
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.
Electrical diagram(s)	
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN ABS ONTER ONTER ONTER LAUTO ITRANSMISSION FIREWALL AFTER ONTER CONNECTOR PACCAR DIAGNOSTIC CONNECTOR PACCAR DISPIS FUEL SENSORS TAIL TAIL TAIL TAIL TEMP SENSORS TEMP TEMP SENSORS TEMP TAIL TEMP SENSORS











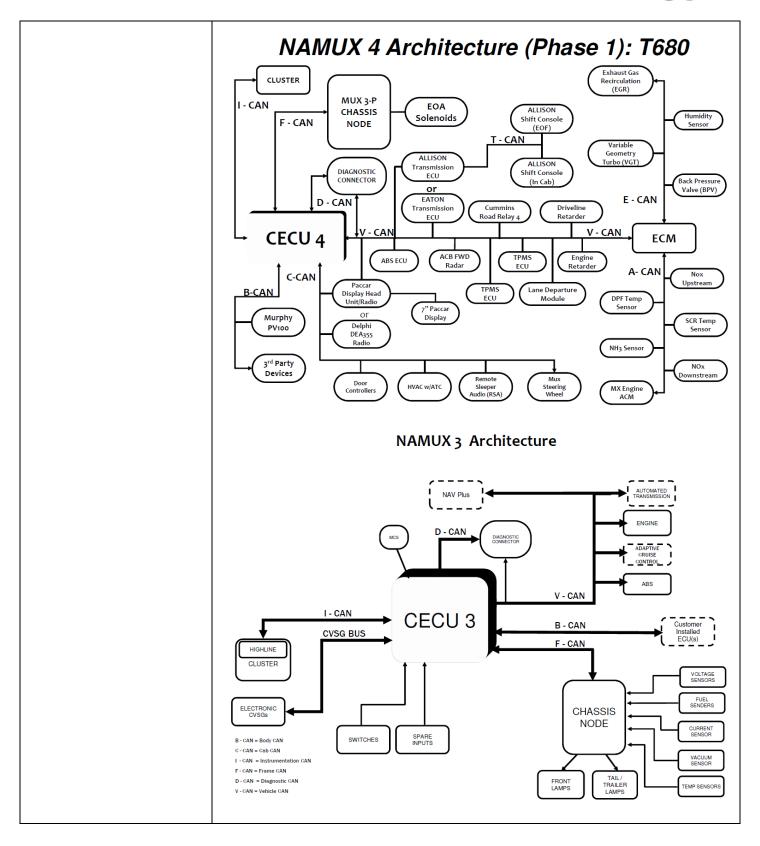
		The residual to step 2.		
	Yes: Make the appropriate repairs or component replacements.			
	Use DAVIE to re-check for the presence of active faults.			
	If this relations	If this related fault is no longer active, then this issue has been resolved.		
	If this relationships	If this related fault is still active, Proceed to step 2		
	Step 2	Step 2 Step ID 17C7b SRT		
	Data check	•	•	
	Lookup the			
	Perform th	ne checking data test of the spe	ecific component	
	Is test pass?		·	
	The state of the s	ed to step 3		
		eed to step4		
		·		
	Step 3	Step 3 Step ID 17C7c SRT		
	Repair or replace of	component		
	Repair or r	Repair or replace the component, also check for electrical connection and		
	wiring har	wiring harness.		
	Reconnect	Reconnect the connector		
	ON the igr	ON the ignition key		
	Use DAVIE to re-ch	Use DAVIE to re-check for the presence of active faults:		
	Is DTC faul	Is DTC fault active: Proceed to step 4		
	Is DTC faul	Is DTC fault inactive: Issue resolved. Clear inactive fault.		
	Step 4	Step 4 Step ID 17C7d SRT		
	For further assistance in diagnosing this issue or for confirmation prior to the			
	replacement of suspect components, contact the Engine Support Call Center at			
	1-800-477-0251.			
Verification Drive Cycle	To verify the repair:			
	With the brakes set, turn the key to the ON position with the engine off, and allow 10			
	seconds for the system to initialize and run diagnostics.			
	With the brakes set	With the brakes set, start the engine and allow it to run at idle for 2 minutes.		
		Back to Choose Code		
			Back to Index	



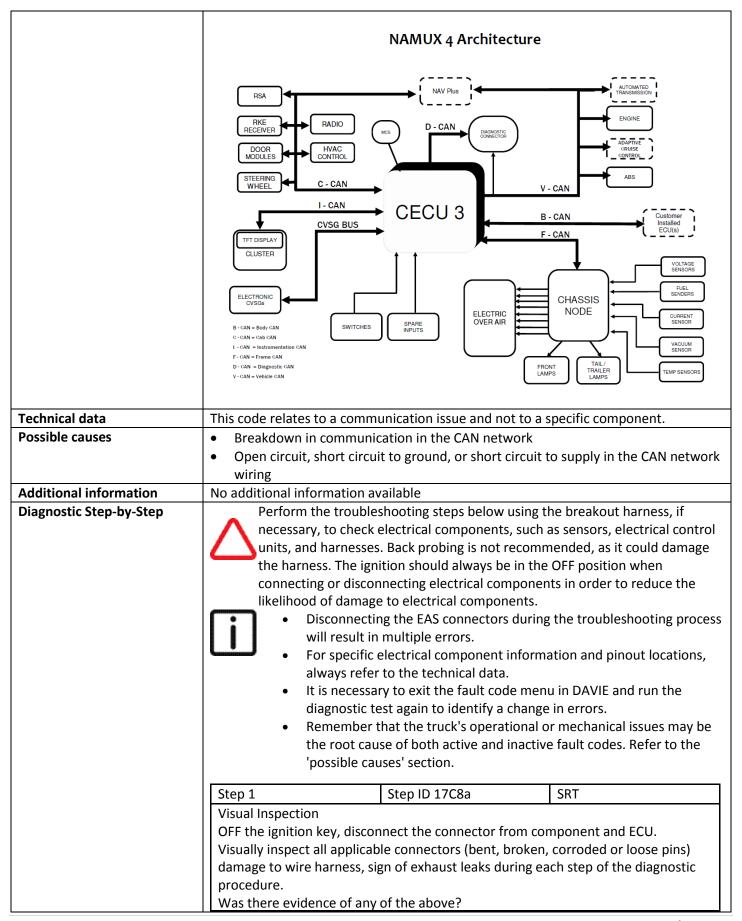
U17C8

Code number	U17C8	
Fault code description	CAN communication - Message (TSC1_VXR) rate too low	
Fault code information	3 drive cycle recovery	
	Readiness group – None	
	Freeze frame type – Generic	
Description of component(s)	This code relates to a communication issue and not to a specific component.	
Location of component(s)	This code relates to a communication issue and not to a specific component.	
Diagnostic condition	This diagnostic runs continuously when the ignition is on.	
Set condition of fault code		
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.	
Electrical diagram(s)		
	NAMUX 3 Architecture: 2010 B-Cab STEERING WHEEL Aftertreatment CAN ENGINE CONNECTOR CONNE	











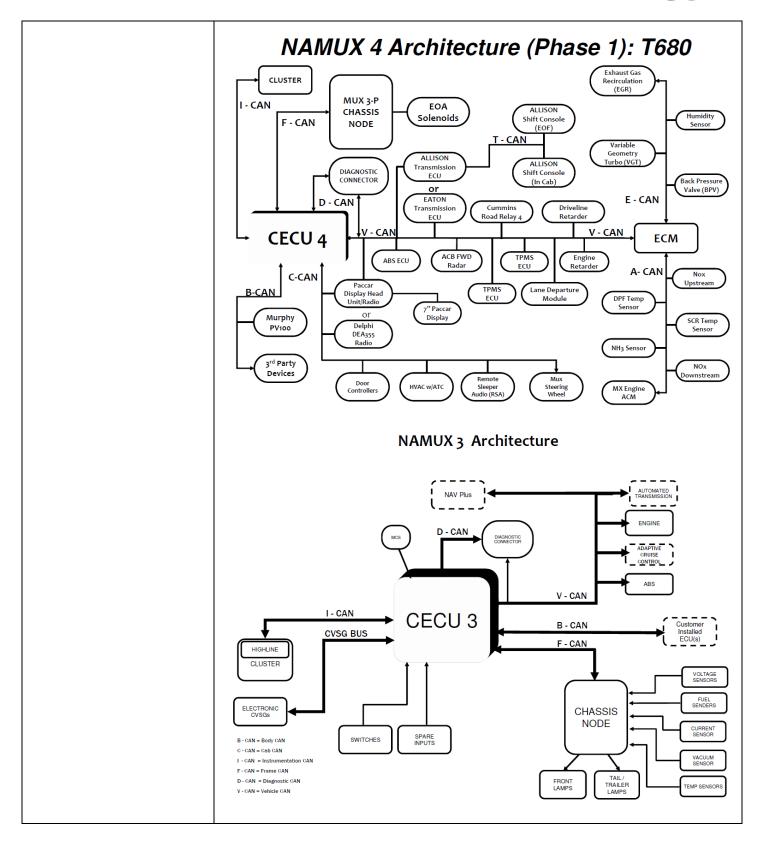
	 No: Proceed to step 2. Yes: Make the appropriate repairs or component replacements. 			
	Use DAVIE to re-check for the presence of active faults.			
	If this related fault is no longer active, then this issue has been resolved.			
	If this related fault is still active, Proceed to step 2			
	Step 2	Step 2 Step ID 17C8b SRT		
	Data check			
	 Lookup th 	Lookup the technical data of the specific system		
	Perform the second the secon	ne checking data test of the spe	cific component	
	Is test pass?			
		ed to step 3		
	Yes : Proce	eed to step4		
	Step 3	Step ID 17C8c	SRT	
	11 '	Repair or replace component		
	Repair or replace the component, also check for electrical connection and			
		wiring harness. • Reconnect the connector		
	ON the ignition key Use DAVIE to re-check for the presence of active faults:			
	Use DAVIE to re-check for the presence of active faults:			
		Is DTC fault active: Proceed to step 4 Is DTC fault inactive; Issue resolved. Clear inactive fault.		
	- IS DICIAU	Is DTC fault inactive: Issue resolved. Clear inactive fault.		
	Step 4 Step ID 17C8d SRT			
	For further assistance in diagnosing this issue or for confirmation prior to the			
	replacement of suspect components, contact the Engine Support Call Center at			
	1-800-477-0251.			
Verification Drive Cycle	To verify the repair:			
	With the brakes set, turn the key to the ON position with the engine off, and allow 10			
	seconds for the system to initialize and run diagnostics.			
	With the brakes set	With the brakes set, start the engine and allow it to run at idle for 2 minutes.		
	Back to Choose Code			
			Back to Index	



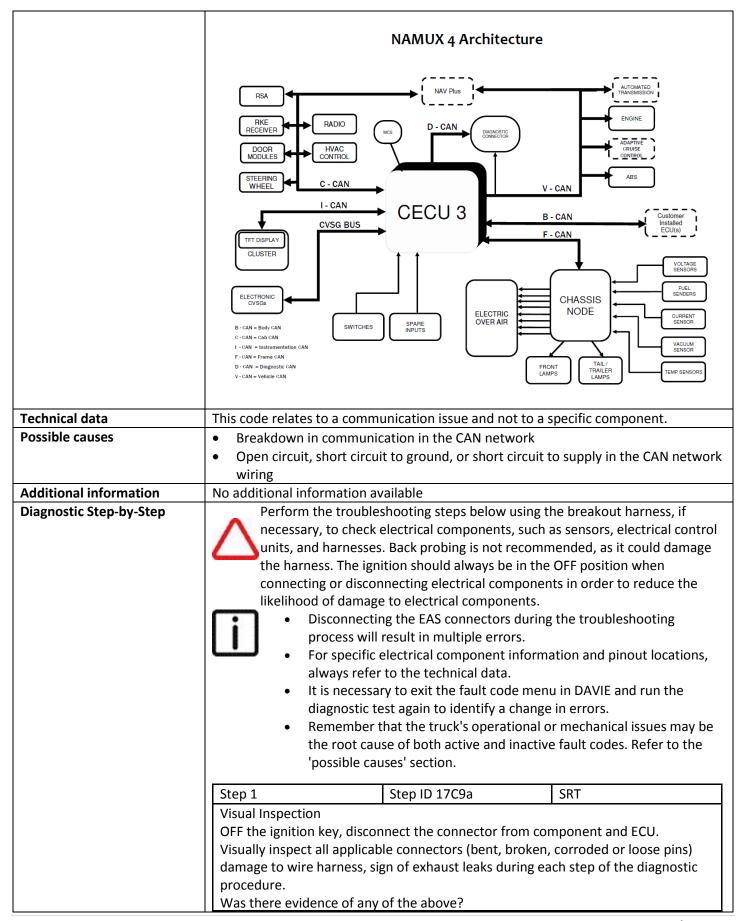
U17C9

Code number	U17C9	
Fault code description	CAN communication - Message (TSC1_SXR) rate too low	
Fault code information	3 drive cycle recovery	
	Readiness group – None	
	Freeze frame type – Generic	
Description of component(s)	This code relates to a communication issue and not to a specific component.	
Location of component(s)	This code relates to a communication issue and not to a specific component.	
Diagnostic condition	This diagnostic runs continuously when the ignition is on.	
Set condition of fault code		
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.	
Electrical diagram(s)		
	Diagnostic CAN STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR DISPIA Vehicle CAN Vehicle CAN Vehicle CAN CVSG BUS CVSG BUS Frame CAN FRESURE SENSORS SWITCHES FRAME INPUTS FRAME FRONT TAIL TEMP SENSOR TEMP SENSORS TEMP SENSO	











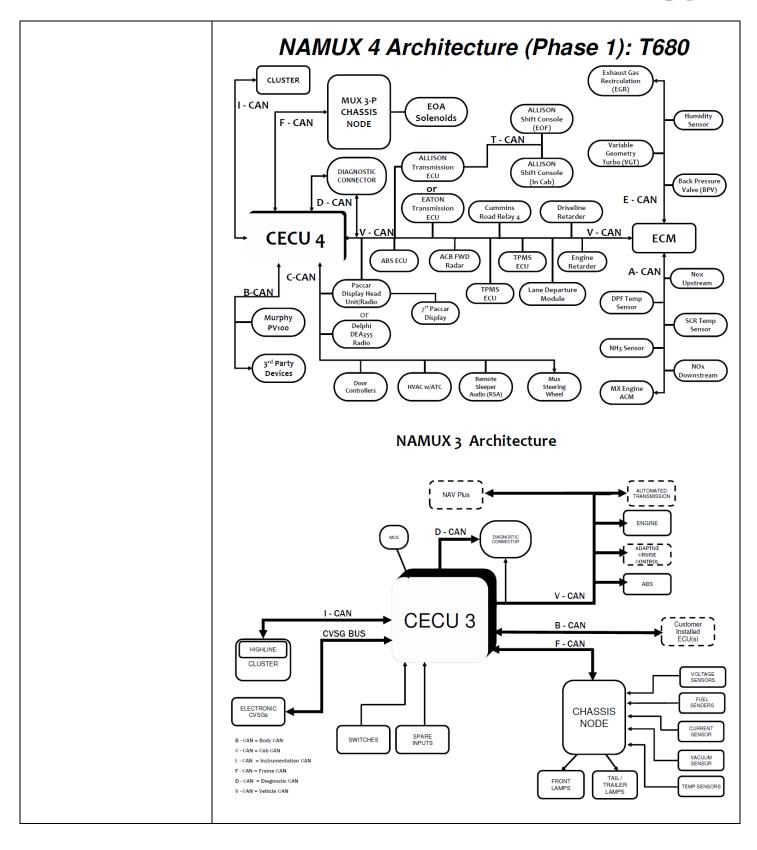
	T		ı	
	No: Proceed to step 2.			
	Yes: Make the appropriate repairs or component replacements.			
	Use DAVIE to re-check for the presence of active faults.			
	If this rela	If this related fault is no longer active, then this issue has been resolved.		
	If this rela-	ted fault is still active, Proceed	to step 2	
	Step 2	Step ID 17C9b	SRT	
	Data check		·	
	Lookup the	e technical data of the specific	system	
	Perform th	ne checking data test of the spe	ecific component	
	Is test pass?	· ·	·	
	No: Procee	ed to step 3		
	Yes : Proce	eed to step4		
		·		
	Step 3	Step 3 Step ID 17C9c SRT		
	Repair or replace of	Repair or replace component		
	Repair or replace the component, also check for electrical connection and			
	wiring harness.Reconnect the connector			
	ON the ignition key Hea DANIE to go about for the presence of active faults.			
	Use DAVIE to re-check for the presence of active faults:			
		Is DTC fault active: Proceed to step 4		
	• Is DTC fau	Is DTC fault inactive: Issue resolved. Clear inactive fault.		
	Step 4 Step ID 17C9d SRT			
	For further assistance in diagnosing this issue or for confirmation prior to the			
	replacement of suspect components, contact the Engine Support Call Center at 1-			
	800-477-0251.			
Verification Drive Cycle	To verify the repair:			
	With the brakes set, turn the key to the ON position with the engine off, and allow 10			
	seconds for the system to initialize and run diagnostics.			
	vvitn the brakes set	With the brakes set, start the engine and allow it to run at idle for 2 minutes.		
		Back to Choose Code		
			Back to Index	



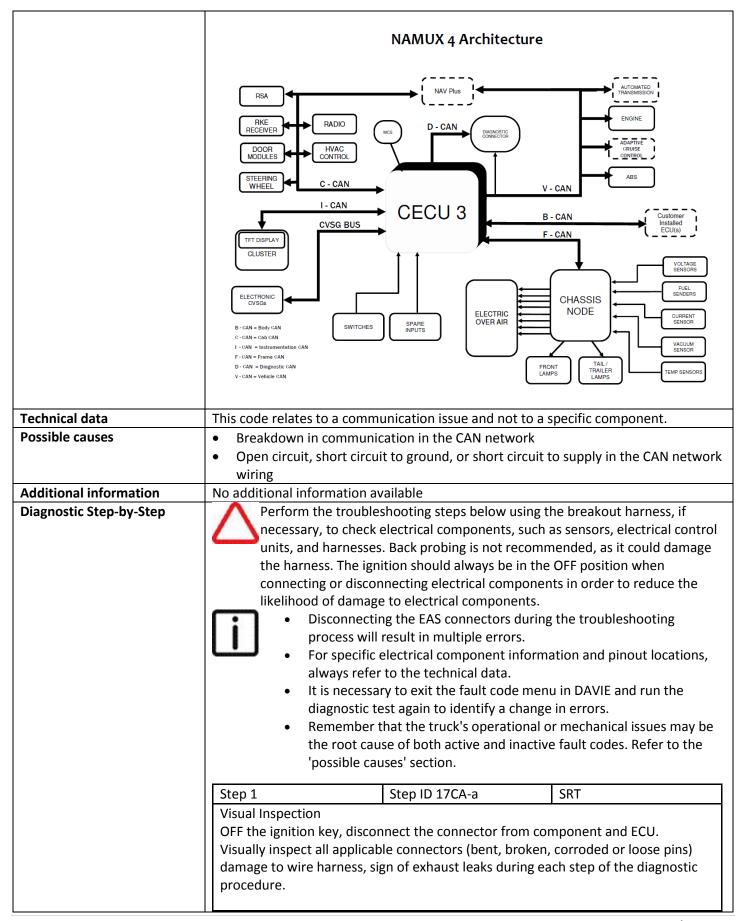
U17CA

Code number	U17CA
Fault code description	CAN communication - Message (TSC1_AXCR) message checksum
Fault code information	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	This code relates to a communication issue and not to a specific component.
Location of component(s)	This code relates to a communication issue and not to a specific component.
Diagnostic condition	This diagnostic runs continuously when the ignition is on.
Set condition of fault code	
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.
Electrical diagram(s)	
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN











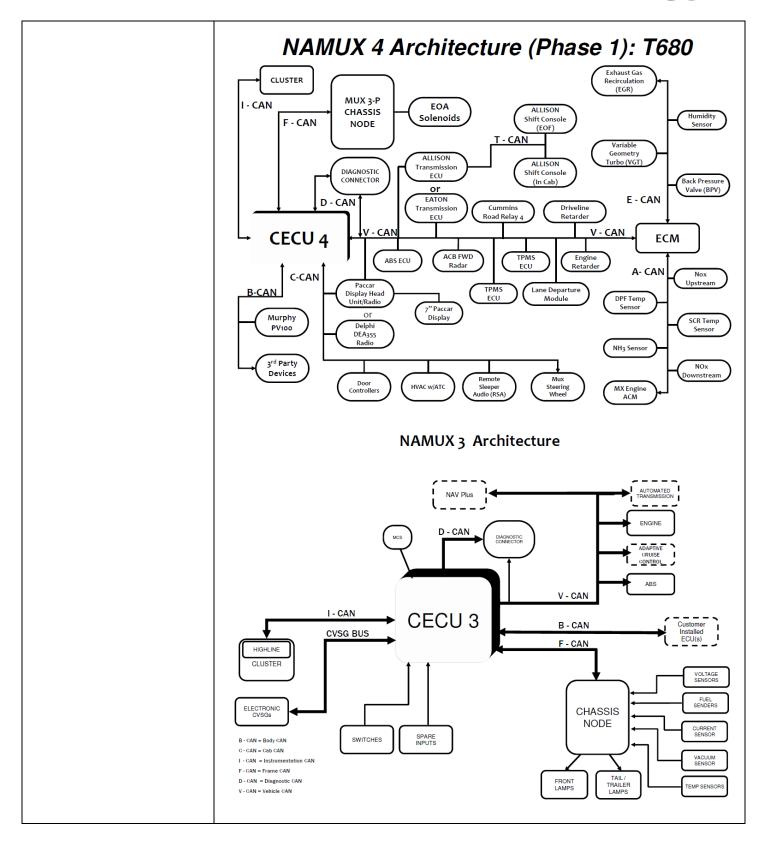
	Was there evidence	Was there evidence of any of the above?		
	No: Proceed	No: Proceed to step 2.		
	Yes: Make t	Yes: Make the appropriate repairs or component replacements.		
	Use DAVIE to re-check for the presence of active faults.			
		If this related fault is no longer active, then this issue has been resolved.		
		ed fault is still active, Proceed		
		· · · · · · · · · · · · · · · · · · ·		
	Step 2	Step ID 17CA-b	SRT	
	Data check		•	
	Lookup the	technical data of the specific	system	
	Perform the	e checking data test of the spe	cific component	
	Is test pass?			
	No: Proceed	d to step 3		
	Yes : Procee	ed to step4		
	Step 3	Step 3 Step ID 17CA-c SRT		
		Repair or replace component		
	Repair or replace the component, also check for electrical connection and			
	wiring harness.			
	Reconnect the connector			
	ON the ignition key			
		Use DAVIE to re-check for the presence of active faults:		
		Is DTC fault active: Proceed to step 4		
	Is DTC fault	Is DTC fault inactive: Issue resolved. Clear inactive fault.		
	Step 4	Step 4 Step ID 17CA-d SRT		
	For further assistance in diagnosing this issue or for confirmation prior to the			
	replacement of suspect components, contact the Engine Support Call Center at 1-			
	800-477-0251.			
Verification Drive Cycle	To verify the repair:			
	With the brakes set, turn the key to the ON position with the engine off, and allow 10			
	seconds for the system to initialize and run diagnostics.			
	With the brakes set,	start the engine and allow it to		
	Back to Choose Code			
			Back to Index	



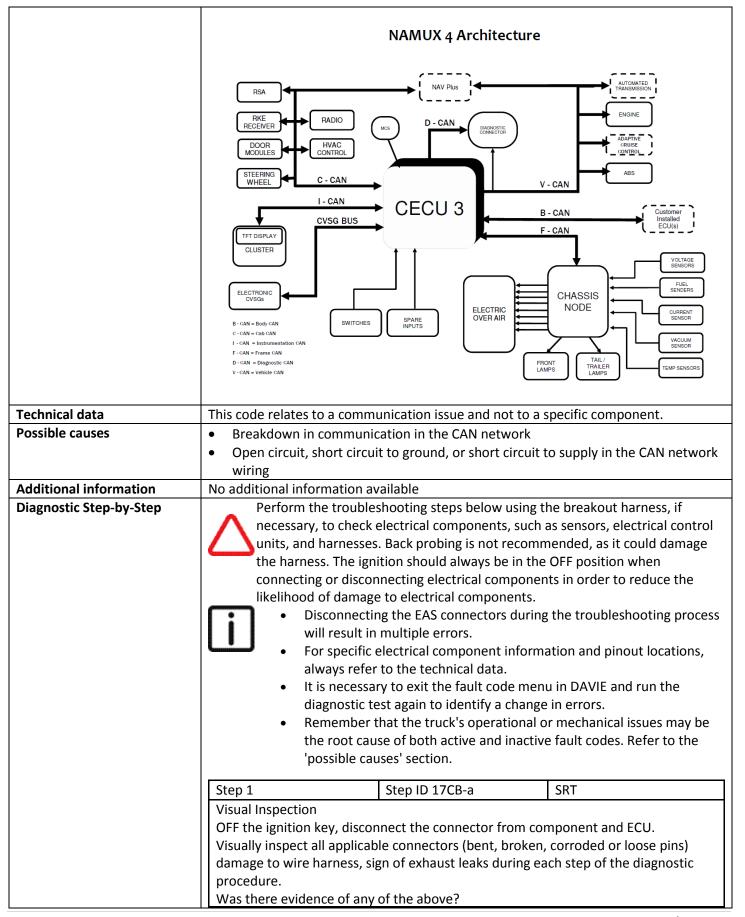
U17CB

Code number	U17CB		
Fault code description	CAN communication - Message (TSC1_AXR) message count from brake system		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN Aftertreatment CAN Aftertreatment CAN ITRANSMISSION FIREWALL AFTER AGAPTIVE CONNECTOR PACCAR DIAGNOSTIC CONNECTOR PACCAR DISPIS FORT CHASSIS FUEL SENSORS SPARE INPUTS FRONT TAIL TAIL TEMP SENSORS FIREWALL FRONT TAIL TEMP SENSORS TERP SENSORS TEMP SENSORS		











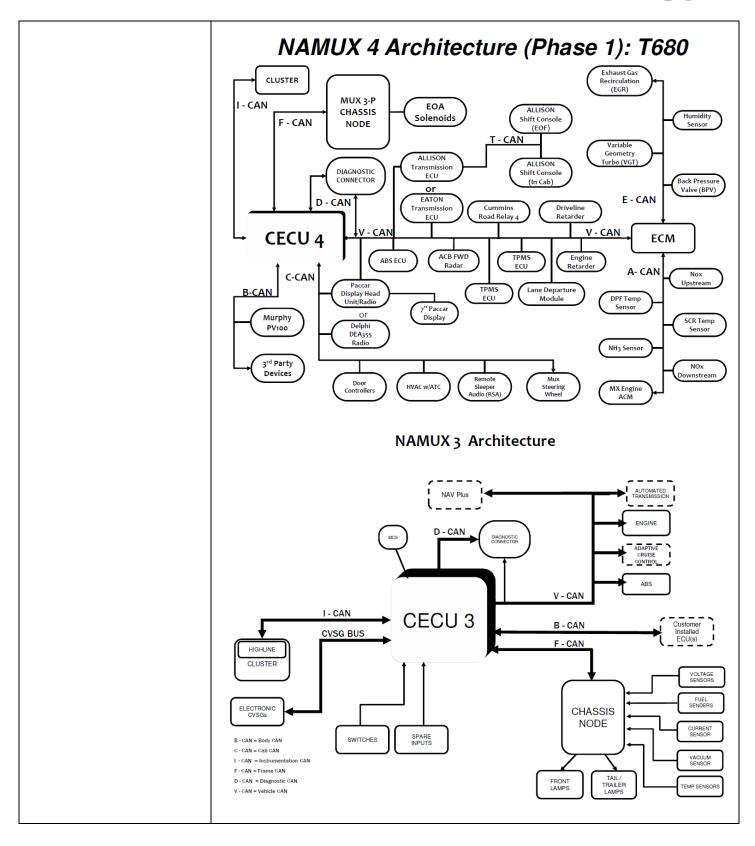
Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2 Step 2		No: Proceed to step 2.			
If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2 Step 2		Yes: Make the appropriate repairs or component replacements.			
Step 2 Step ID 17CB-b SRT Data check Lookup the technical data of the specific system Perform the checking data test of the specific component Is test pass? No: Proceed to step 3 Yes: Proceed to step4 Step 3 Step ID 17CB-c SRT Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. Step 4 Step ID 17CB-d SRT For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251. Verification Drive Cycle To verify the repair:		Use DAVIE to re-check for the presence of active faults.			
Step 2		If this related fault is no longer active, then this issue has been resolved.			
Data check Lookup the technical data of the specific system Perform the checking data test of the specific component Is test pass? No: Proceed to step 3 Yes : Proceed to step4 Step 3 Step ID 17CB-c Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. Step 4 Step ID 17CB-d SRT For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251. Verification Drive Cycle To verify the repair:		 If this related 	fault is still active, Proceed t	o step 2	
Data check Lookup the technical data of the specific system Perform the checking data test of the specific component Is test pass? No: Proceed to step 3 Yes : Proceed to step4 Step 3 Step ID 17CB-c Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. Step 4 Step ID 17CB-d SRT For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251. Verification Drive Cycle To verify the repair:					
Lookup the technical data of the specific system Perform the checking data test of the specific component Is test pass? No: Proceed to step 3 Yes: Proceed to step4 Step 3		Step 2	Step ID 17CB-b	SRT	
Perform the checking data test of the specific component Is test pass? No: Proceed to step 3 Yes: Proceed to step4 Step 3 Step ID 17CB-c Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. Step 4 Step ID 17CB-d SRT For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251. Verification Drive Cycle To verify the repair:		Data check			
Is test pass? No: Proceed to step 3 Yes: Proceed to step4 Step 3 Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. Step 4 Step ID 17CB-d SRT For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251. Verification Drive Cycle To verify the repair:		Lookup the te	Lookup the technical data of the specific system		
No: Proceed to step 3 Yes: Proceed to step4 Step 3		Perform the control	hecking data test of the spec	cific component	
Step 3 Step ID 17CB-c SRT Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. Step 4 Step ID 17CB-d SRT For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251. Verification Drive Cycle To verify the repair:		Is test pass?			
Step 3 Step ID 17CB-c SRT Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. Step 4 Step ID 17CB-d SRT For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251. Verification Drive Cycle To verify the repair:		No: Proceed t	o step 3		
Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. Step 4 Step ID 17CB-d SRT For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251. Verification Drive Cycle To verify the repair:		Yes : Proceed	to step4		
Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. Step 4 Step ID 17CB-d SRT For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251. Verification Drive Cycle To verify the repair:					
Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. Step 4		Step 3	Step ID 17CB-c	SRT	
wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. Step 4 Step ID 17CB-d SRT For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251. Verification Drive Cycle To verify the repair:		Repair or replace component			
Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. Step 4 Step ID 17CB-d For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251. Verification Drive Cycle To verify the repair:					
Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. Step 4 Step ID 17CB-d For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251. Verification Drive Cycle To verify the repair:					
Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. Step 4 Step ID 17CB-d For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251. Verification Drive Cycle To verify the repair:		ON the ignition key			
Step 4 Step ID 17CB-d SRT For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251. Verification Drive Cycle To verify the repair:					
Step 4 Step ID 17CB-d SRT For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251. Verification Drive Cycle To verify the repair:		11			
For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251. Verification Drive Cycle To verify the repair:		· · · · · · · · · · · · · · · · · · ·			
For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251. Verification Drive Cycle To verify the repair:					
replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251. Verification Drive Cycle To verify the repair:		Step 4 Step ID 17CB-d SRT			
1-800-477-0251. Verification Drive Cycle To verify the repair:		For further assistance in diagnosing this issue or for confirmation prior to the			
Verification Drive Cycle To verify the repair:					
		1-800-477-0251.			
	Verification Drive Cycle				
With the brakes set, turn the key to the ON position with the engine off, and allow 10				-	
		seconds for the system to initialize and run diagnostics.			
With the brakes set, start the engine and allow it to run at idle for 2 minutes.		With the brakes set, sta	art the engine and allow it to		
Back to Choose Code Back to Index				· · · · · · · · · · · · · · · · · · ·	



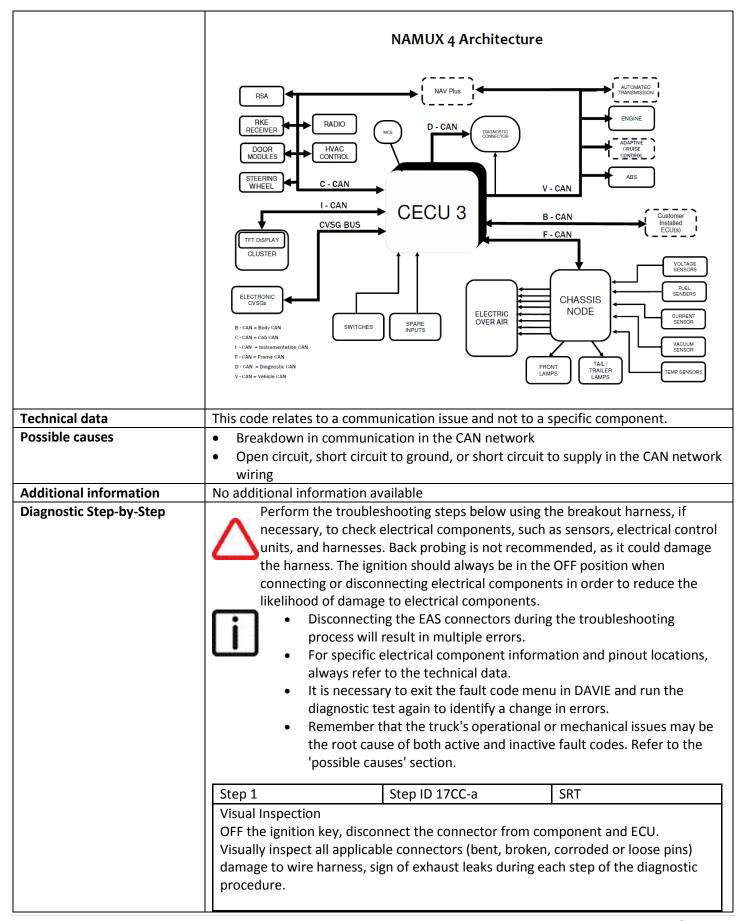
U17CC

Code number	U17CC
Fault code description	CAN communication - Message (TSC1_DXR) message count from retarder
Fault code information	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	This code relates to a communication issue and not to a specific component.
Location of component(s)	This code relates to a communication issue and not to a specific component.
Diagnostic condition	This diagnostic runs continuously when the ignition is on.
Set condition of fault code	
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.
Electrical diagram(s)	
	NAMUX 3 Architecture: 2010 B-Cab STEERING WHEEL Aftertreatment CAN ENGINE ENGINE CONNECTOR CONNECTO











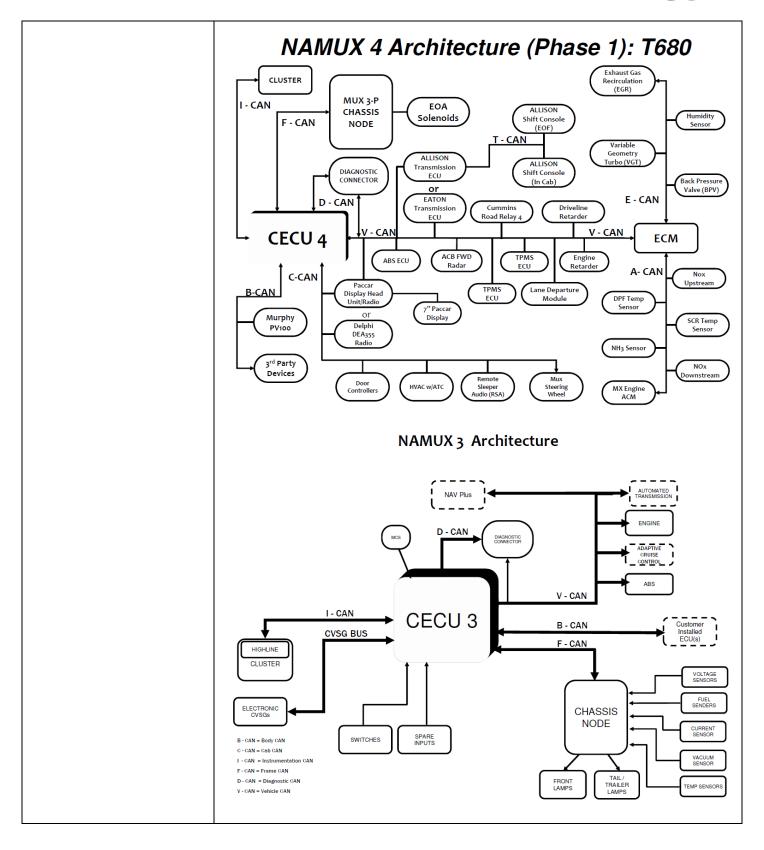
	 Was there evidence of any of the above? No: Proceed to step 2. Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2 		
	- II this related fault is still active, Froceed to step 2		
	Step 2 Step ID 17CC-b	SRT	
	Data check		
	Lookup the technical data of the specifical data of the specifi	•	
	Perform the checking data test of the s	specific component	
	Is test pass?		
	No: Proceed to step 3		
	Yes : Proceed to step 4		
	Step 3 Step ID 17CC-c SRT		
	 Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key 		
	Use DAVIE to re-check for the presence of active faults:		
	Is DTC fault active: Proceed to step 4		
	Is DTC fault inactive: Issue resolved. Clear inactive fault.		
		100	
	Step 4 Step ID 17CC-d For further assistance in diagnosing this issue of	SRT pr for confirmation prior to the	
	replacement of suspect components, contact t 800-477-0251.	•	
Verification Drive Cycle	To verify the repair: With the brakes set, turn the key to the ON posiseconds for the system to initialize and run diag		
	With the brakes set, start the engine and allow it to run at idle for 2 minutes.		
	Back to Choose Code		
		Back to Index	



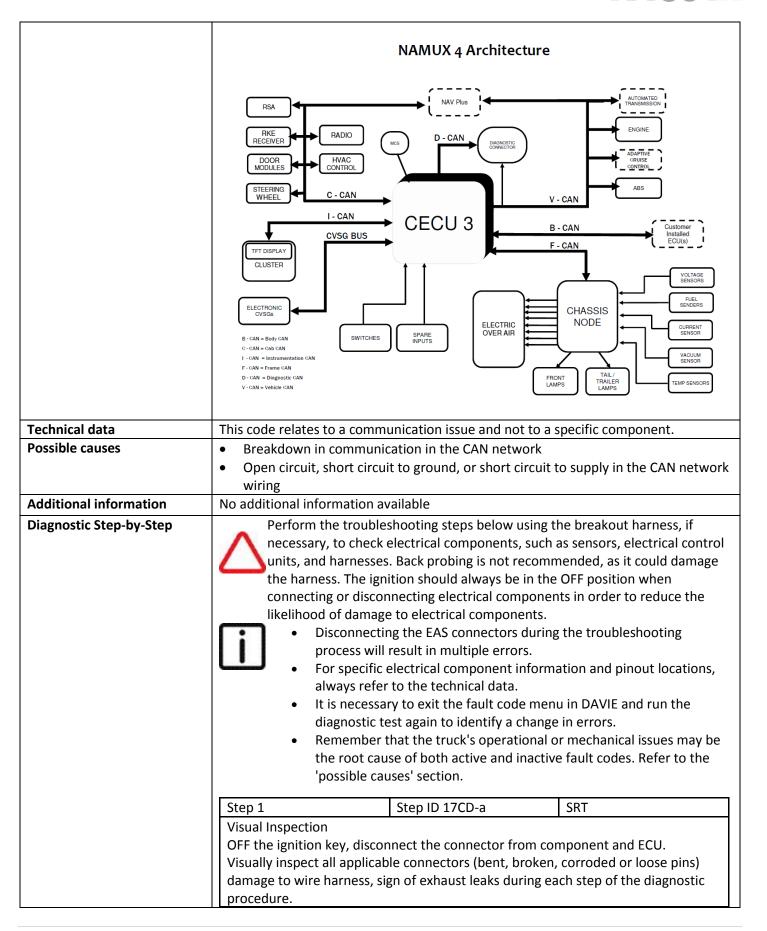
U17CD

Code number	U17CD
Fault code description	CAN communication - Message (TSC_TXR) message count from transmission system
Fault code information	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	This code relates to a communication issue and not to a specific component.
Location of component(s)	This code relates to a communication issue and not to a specific component.
Diagnostic condition	This diagnostic runs continuously when the ignition is on.
Set condition of fault code	
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.
Electrical diagram(s)	
	NAMUX 3 Architecture: 2010 B-Cab STEERING WHEEL Aftertreatment CAN STEERING WHEEL ABS CONNECTOR Cluster Cab CAN Cab CAN Cluster











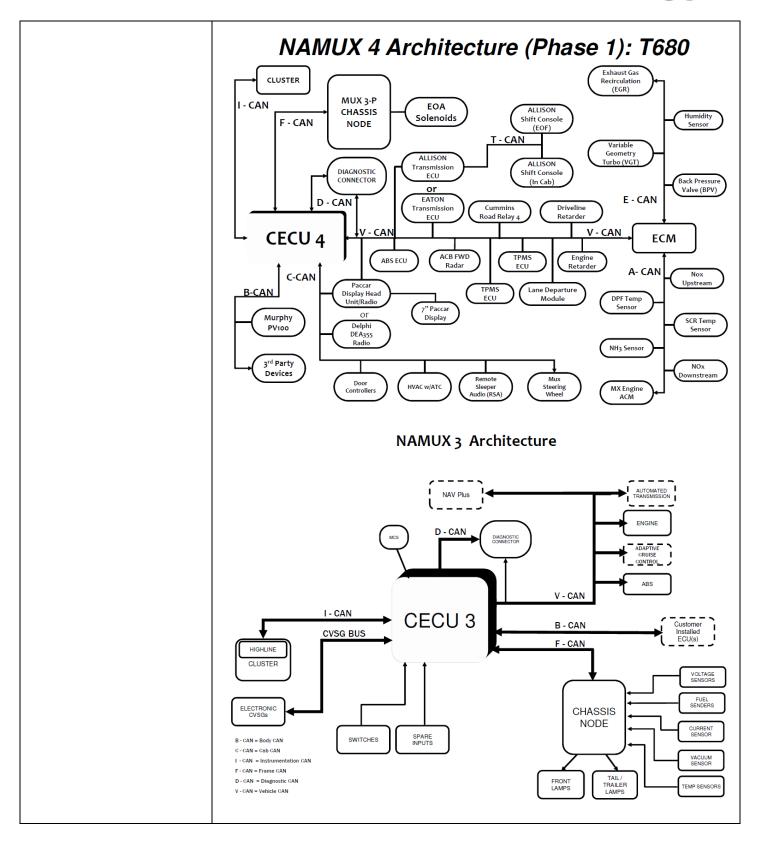
	Was there evidence of any of the above?				
	No: Proceed to step 2.				
	Yes: Make the appropriate repairs or component replacements.				
	Use DAVIE to re-check for the presence of active faults.				
	If this related fault is no longer active, then this issue has been resolved.				
	If this related fault is still active, Proceed to step 2				
	Step 2	Step ID 17CD-b	SRT		
	Data check	Data check			
	 Lookup the technical data of the specific system Perform the checking data test of the specific component 				
	lo to et mana?				
		Is test pass?			
	No: Proceed to step 3Yes: Proceed to step 4				
	163.11oceed to step 4				
	Step 3	Step ID 17CD-c	SRT		
	Repair or replace of				
	1 1	Repair or replace the component, also check for electrical connection and			
	wiring harness.				
		Reconnect the connectorON the ignition key			
	• ON the ign				
	Use DAVIE to re-ch	eck for the presence of active f	aults:		
	Is DTC faul	t active: Proceed to step 4			
	Is DTC faul	t inactive: Issue resolved. Clear	inactive fault.		
		T	1		
	Step 4	Step ID 17CD-d	SRT		
		For further assistance in diagnosing this issue or for confirmation prior to the			
		replacement of suspect components, contact the Engine Support Call Center at			
Verification Drive Cycle	1-800-477-0251. To verify the repair:				
vernication Drive Cycle	' '		on with the engine off, and allow		
	With the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics.				
		With the brakes set, start the engine and allow it to run at idle for 2 minutes.			
	With the brakes se				
			Back to Choose Code		
			Back to Index		



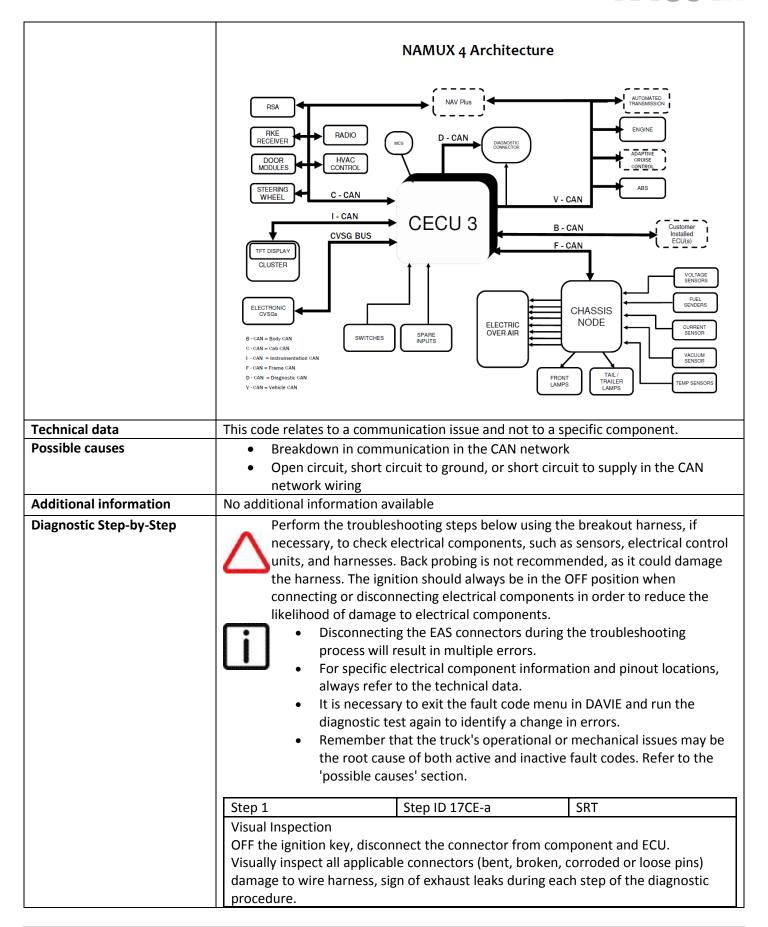
U17CE

Code number	U17CE
Fault code description	CAN communication - Message (TSC1_VXR) message count
Fault code information	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	This code relates to a communication issue and not to a specific component.
Location of component(s)	This code relates to a communication issue and not to a specific component.
Diagnostic condition	This diagnostic runs continuously when the ignition is on.
Set condition of fault code	
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.
Electrical diagram(s)	
	NAMUX 3 Architecture: 2010 B-Cab STEERING WHEEL Aftertreatment CAN ENGINE CONNECTOR CONNE











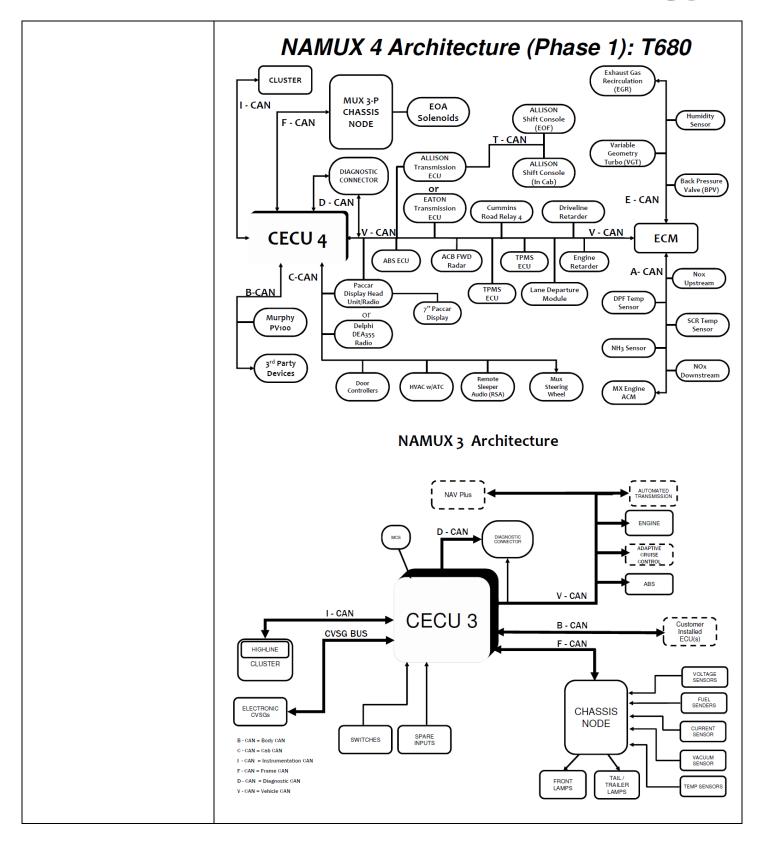
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	Was there evidence of any of the above?			
	No: Proceed to step 2.			
	Yes: Make the appropriate repairs or component replacements.			
	Use DAVIE to re-check for the presence of active faults.			
	If this related fault is no longer active, then this issue has been resolved.			
	If this related fault is still active, Proceed to step 2			
	Step 2	Step ID 17CE-b	SRT	
	Data check	•		
	Lookup the technical data of the specific system			
	Perform t	Perform the checking data test of the specific component		
	Is test pass?			
	No: Proceed to step 3			
	Yes : Proceed to step 4			
	[a. a		Tan-	
	Step 3	Step ID 17CE-c	SRT	
		Repair or replace component		
	Repair or replace the component, also check for electrical connection and wiring barness.			
		wiring harness.Reconnect the connector		
	ON the ignition key			
		The off Rey		
	Use DAVIE to re-o	Use DAVIE to re-check for the presence of active faults:		
		Is DTC fault active: Proceed to step 4		
	Is DTC face	Is DTC fault inactive : Issue resolved. Clear inactive fault.		
	Step 4	Step ID 17CE-d	SRT	
	For further assista	ance in diagnosing this issue or fo	or confirmation prior to the	
		uspect components, contact the	Engine Support Call Center at 1-	
	800-477-0251.			
Verification Drive Cycle	To verify the repair			
	With the brakes set, turn the key to the ON position with the engine off, and allow 10			
	seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes.			
	vvitii tile brakes se	t, start the engine and allow it to	Back to Choose Code	
			Back to Index	
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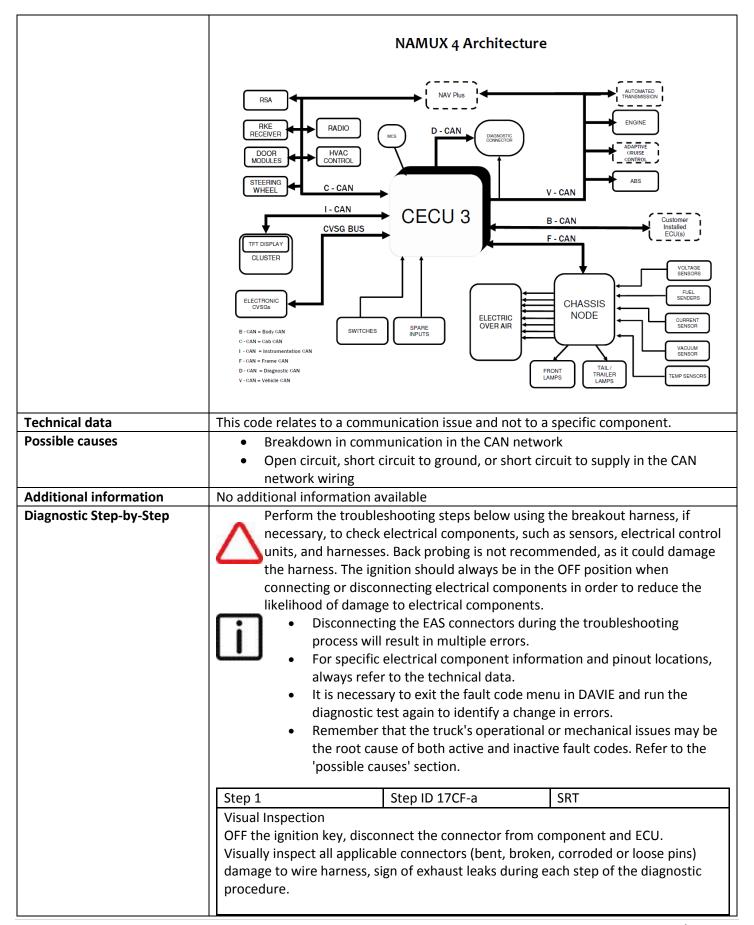
U17CF

Code number	U17CF
Fault code description	CAN communication - Message (TSC1_SXR) message count
Fault code information	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	This code relates to a communication issue and not to a specific component.
Location of component(s)	This code relates to a communication issue and not to a specific component.
Diagnostic condition	This diagnostic runs continuously when the ignition is on.
Set condition of fault code	
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.
Electrical diagram(s)	
	NAMUX 3 Architecture: 2010 B-Cab STEERING WHEEL Aftertreatment CAN ENGINE CONNECTOR CONNE









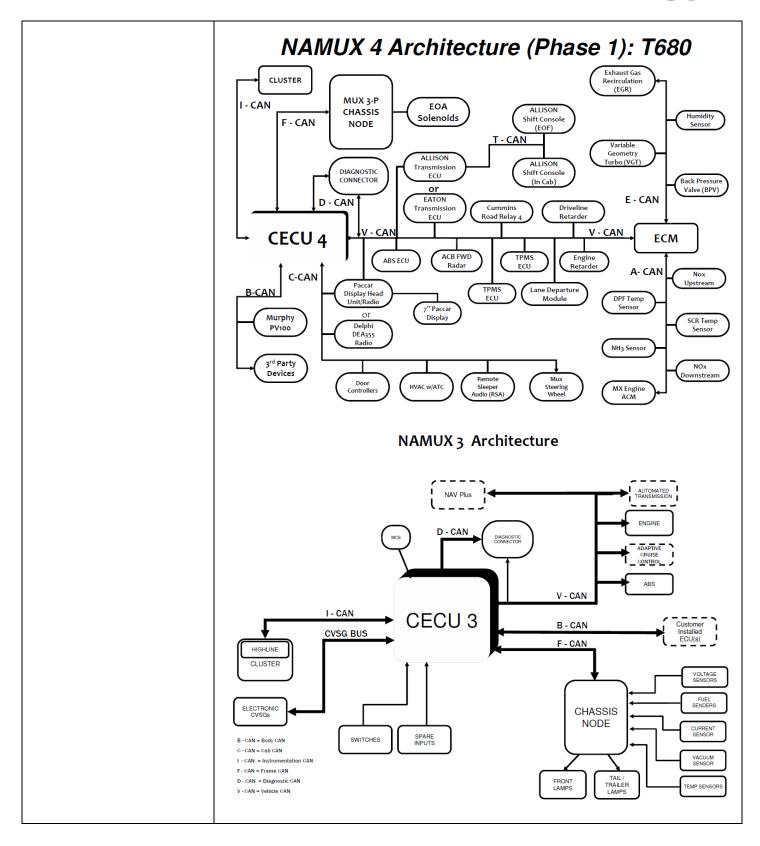


	Was there evidence	of any of the above?	T	
	Was there evidence of any of the above? • No: Proceed to step 2.			
	 Yes: Make the appropriate repairs or component replacements. 			
	Tes. Make the appropriate repairs of component replacements.			
	 Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2 			
	Step 2	Step ID 17CF-b	SRT	
	Data check			
	 Lookup the technical data of the specific system Perform the checking data test of the specific component 			
	Is test pass?			
	Is test pass? • No: Proceed to step 3			
	No: Proceed to step 3 Yes : Proceed to step 4			
	L 163 . Floceed to step 4			
	Step 3	Step ID 17CF-c	SRT	
	Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults:			
		active: Proceed to step 4		
		inactive: Issue resolved. Clear	inactive fault.	
	Step 4	Step ID 17CF-d	SRT	
		ice in diagnosing this issue or f	<u>-</u>	
		pect components, contact the	Engine Support Call Center at	
	1-800-477-0251.			
Verification Drive Cycle	To verify the repair:	turn the key to the ON meriti-	n with the engine off and allow 40	
	With the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics.			
	With the brakes set, start the engine and allow it to run at idle for 2 minutes.			
	Back to Choose Code			
			Back to Index	

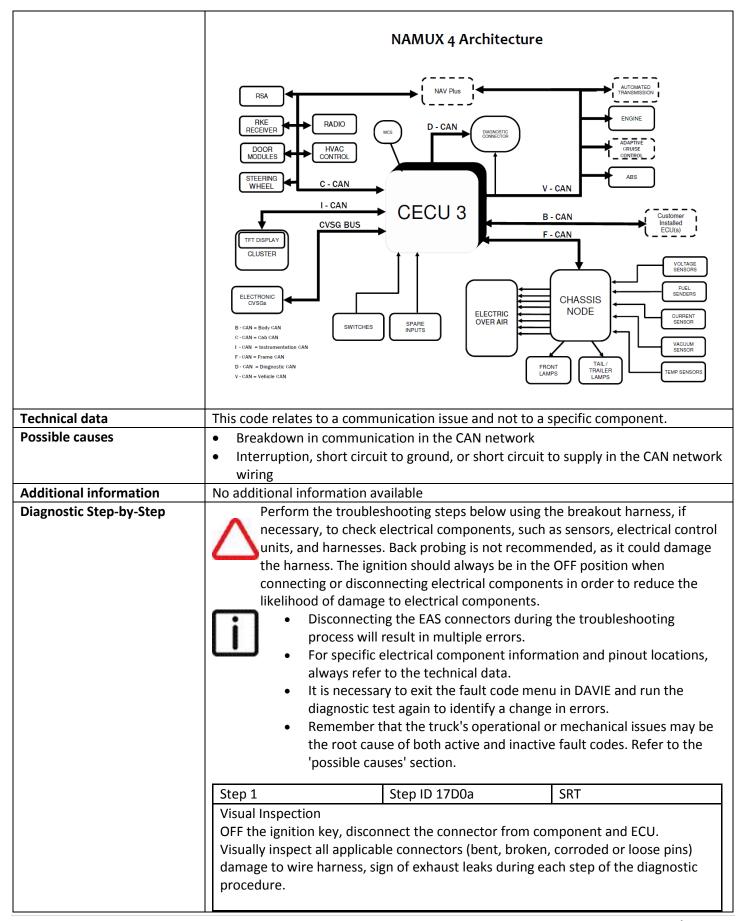


Code number	U17D0		
Fault code description	CAN communication - Message (TSC1_AXCR) message checksum		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab STEERING WHEEL Aftertreatment CAN STEERING WHEEL ABS CONNECTOR Cluster Cab CAN Carrier Cluster Cab CAN Carrier Connector Connector Connector Carrier Connector Connector Carrier Connector C		









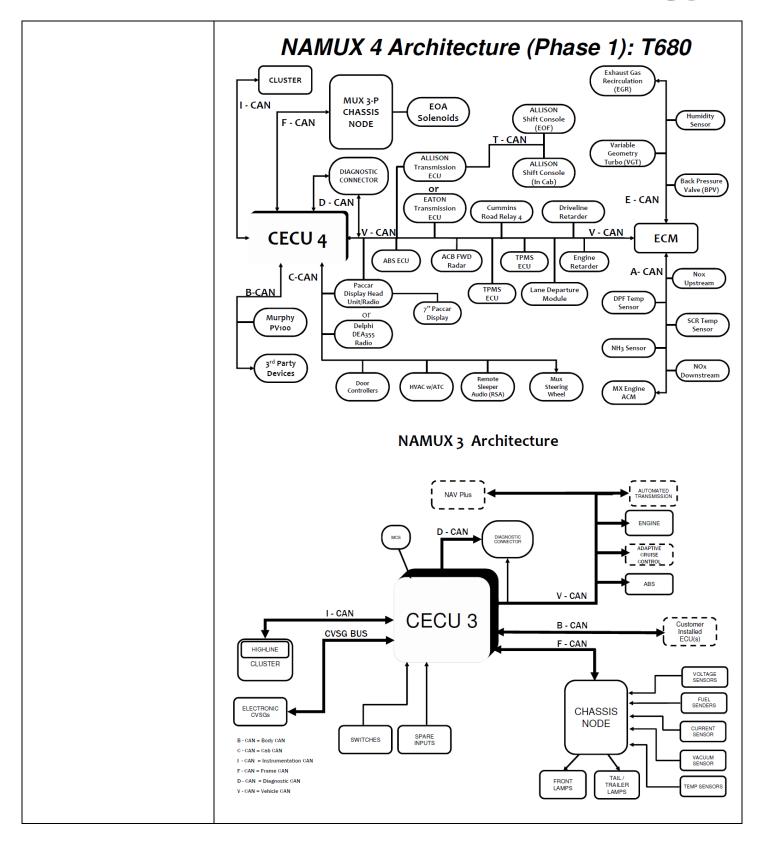


	Was there evidence of any of the above?			
	No: Proceed to step 2.			
	 Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. 			
	If this relations	ted fault is still active, Proceed	to step 2	
	Step 2	Step ID 17D0b	SRT	
	Data check			
	Lookup the	e technical data of the specific	system	
		ne checking data test of the spe		
	Is test pass?			
	No: Procee	ed to step 3		
	Yes : Proce	eed to step4		
	Step 3	Step ID 17D0c	SRT	
	Repair or replace of	component		
	Repair or r	eplace the component, also ch	eck for electrical connection and	
	wiring harness.			
	Reconnect	the connector		
	ON the ign	ition key		
	Use DAVIE to re-ch	neck for the presence of active	faults:	
	Is DTC faul	t active: Proceed to step 4		
	Is DTC faul	t inactive: Issue resolved. Clear	r inactive fault.	
	Step 4	Step ID 17D0d	SRT	
	For further assista	nce in diagnosing this issue or f	for confirmation prior to the	
	replacement of sus	spect components, contact the	Engine Support Call Center at	
	1-800-477-0251.			
Verification Drive Cycle	To verify the repair:			
	With the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics.			
	With the brakes set, start the engine and allow it to run at idle for 2 minutes.			
	Back to Choose Code			
			Back to Index	

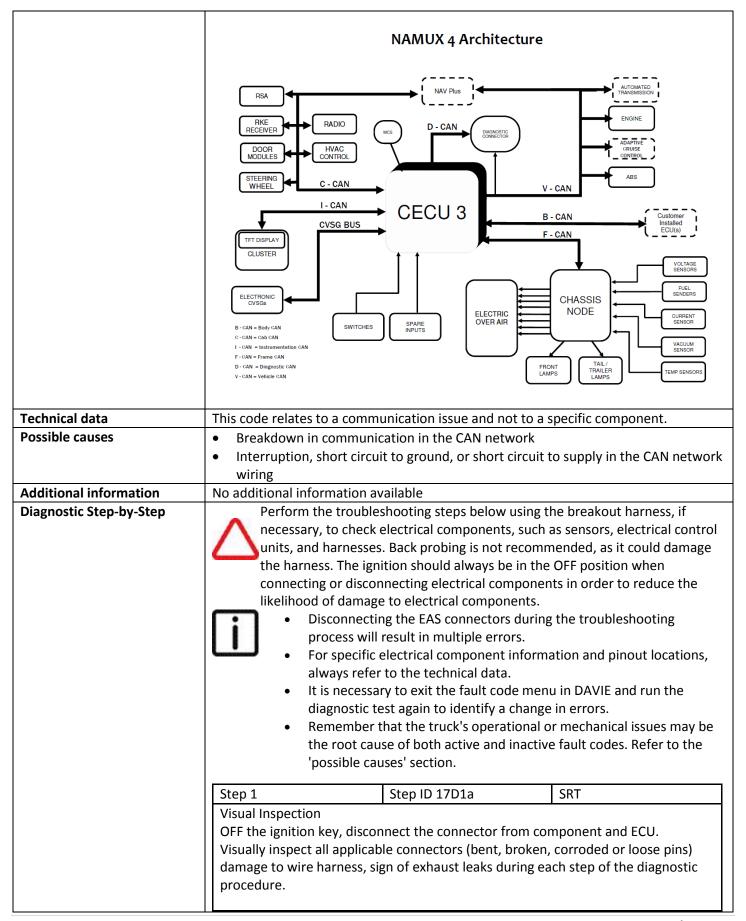


Code number	U17D1		
Fault code description	CAN communication - Message (TSC1_AXR) message checksum from brake system		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab STEERING WHEEL Aftertreatment CAN ENGINE CONNECTOR CONNE		









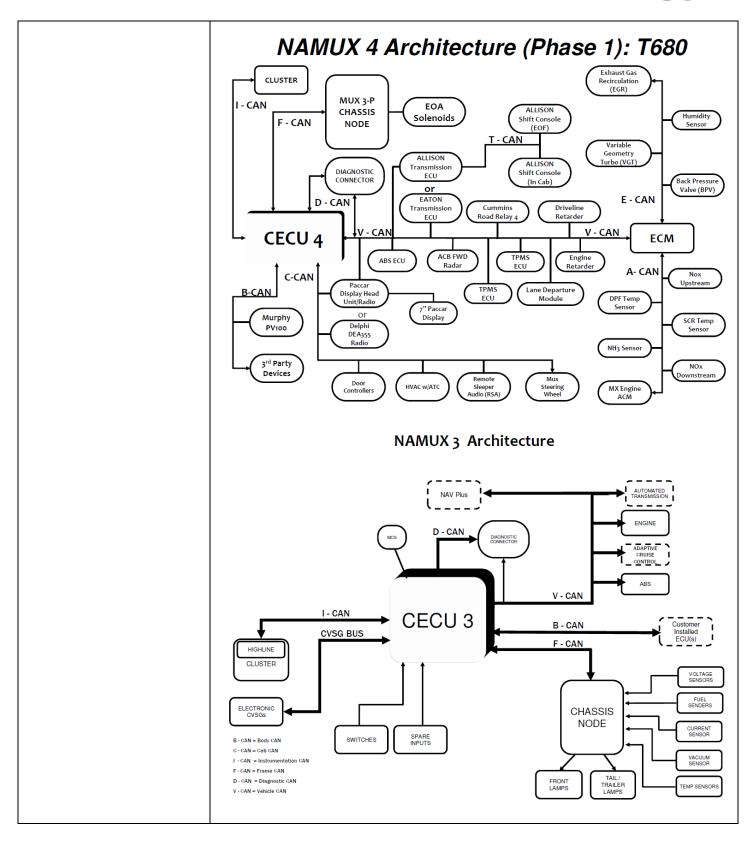


	Was there evidence of any of the above?				
		ed to step 2.			
	Yes: Make the appropriate repairs or component replacements.				
		heck for the presence of active t			
	 If this related fault is no longer active, then this issue has been resolv If this related fault is still active, Proceed to step 2 				
	Step 2	Step ID 17D1b	SRT		
	Data check				
	 Lookup th 	e technical data of the specific	system		
	Perform t	he checking data test of the spe	cific component		
	Is test pass?				
	No: Proce	ed to step 3			
	Yes : Proce	eed to step4			
	Step 3	Step ID 17D1c	SRT		
	Repair or replace component				
	Repair or	Repair or replace the component, also check for electrical connection and			
	wiring har				
	Reconnec	t the connector			
	ON the igi	nition key			
	Use DAVIE to re-c	heck for the presence of active t	faults:		
	Is DTC fau	It active: Proceed to step 4			
	 Is DTC fau 	It inactive: Issue resolved. Clear	inactive fault.		
	Step 4	Step ID 17D1d	SRT		
	For further assista	nce in diagnosing this issue or f	or confirmation prior to the		
	replacement of su	spect components, contact the	Engine Support Call Center at		
	1-800-477-0251.				
Verification Drive Cycle	To verify the repair				
		With the brakes set, turn the key to the ON position with the engine off, and allow			
	10 seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes.				
		Back to Choose Code			
	Back to Index				

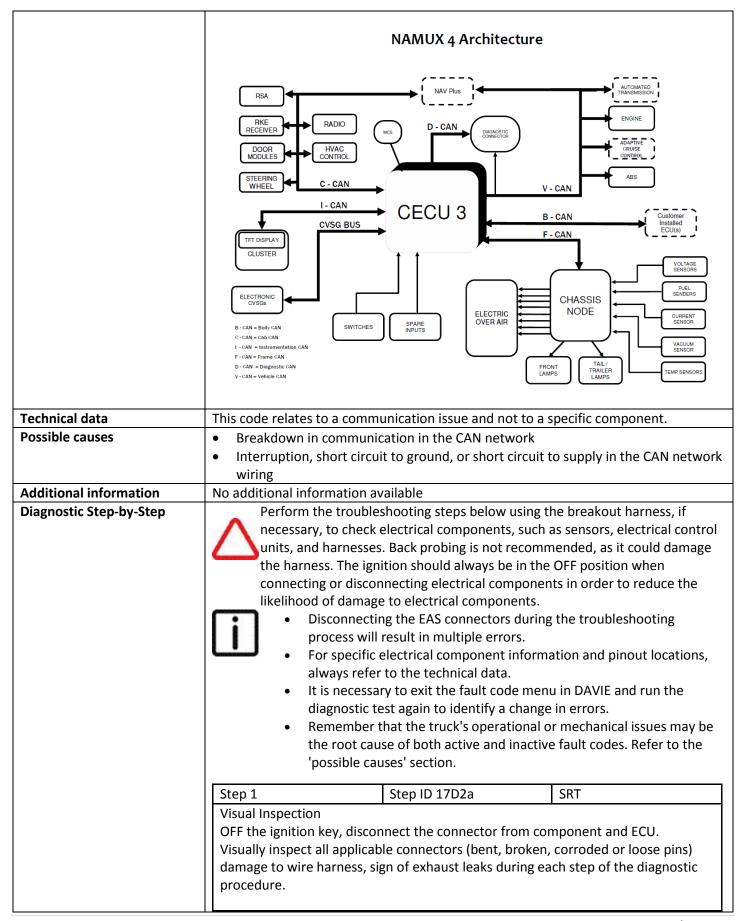


Code number	U17D2		
Fault code description	CAN communication - Message (TSC1_DXR) message checksum from retarder		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	Diagnostic CAN STEERING WHEEL MCS DIAGNOSTIC CONNECTOR DIAGNOSTIC CONNECTOR PACCAR DISPLAY LINSTRUMBLI ABS CUSTOR CONNECTOR PACCAR DISPLAY CONTECTOR PACCAR DISPLAY CULTAGE SENSORS FUEL SENDERS CUSTOR SPARE INPUTS FRONT TAIL TEMP SENSOR		









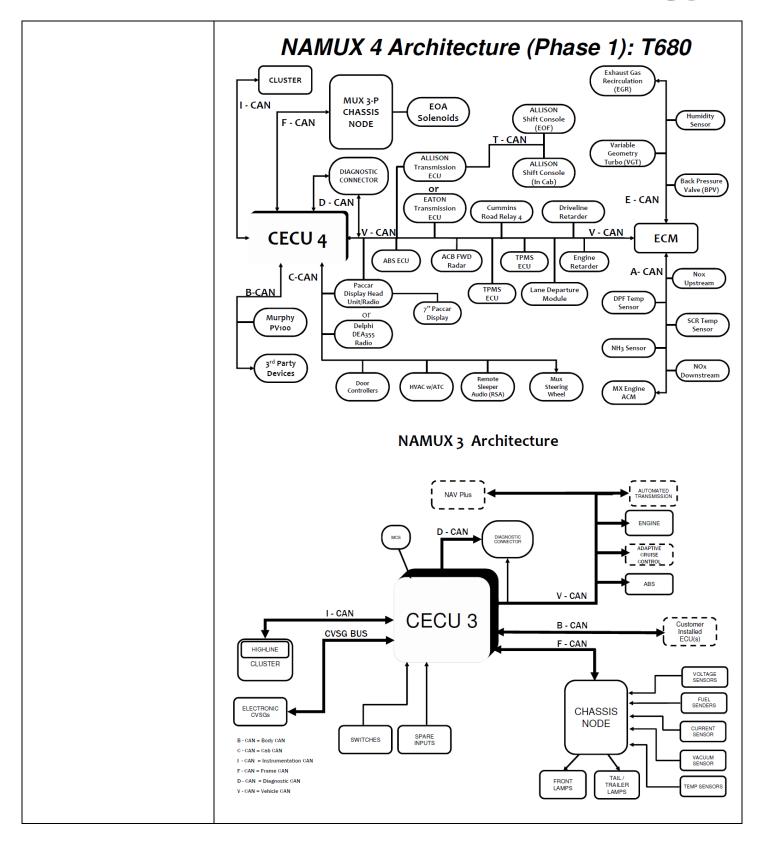


	Was there evidence of any of the above?			
	No: Proceed to step 2.			
	 Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. 			
	 If this relate 	ed fault is no longer active, ther	n this issue has been resolved.	
	 If this relate 	ed fault is still active, Proceed to	o step 2	
	Step 2	Step ID 17D2b	SRT	
	Data check			
	Lookup the	technical data of the specific sy	ystem	
	Perform the	checking data test of the spec	ific component	
	Is test pass?			
	No: Proceed	l to step 3		
	Yes : Procee	ed to step4		
	-			
	Step 3	Step ID 17D2c	SRT	
	Repair or replace co	mponent		
	Repair or re	place the component, also che	ck for electrical connection and	
	wiring harness.			
	Reconnect t	Reconnect the connector		
	ON the ignit	ion key		
	Use DAVIE to re-che	ck for the presence of active fa	aults:	
	Is DTC fault	active: Proceed to step 4		
	Is DTC fault	inactive: Issue resolved. Clear i	nactive fault.	
	-			
	Step 4	Step ID 17D2d	SRT	
	For further assistan	ce in diagnosing this issue or fo	r confirmation prior to the	
	replacement of susp	ect components, contact the E	ngine Support Call Center at	
	1-800-477-0251.			
Verification Drive Cycle	To verify the repair:			
	With the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics.			
	With the brakes set, start the engine and allow it to run at idle for 2 minutes.			
	Back to Choose Code			
	Back to Index			

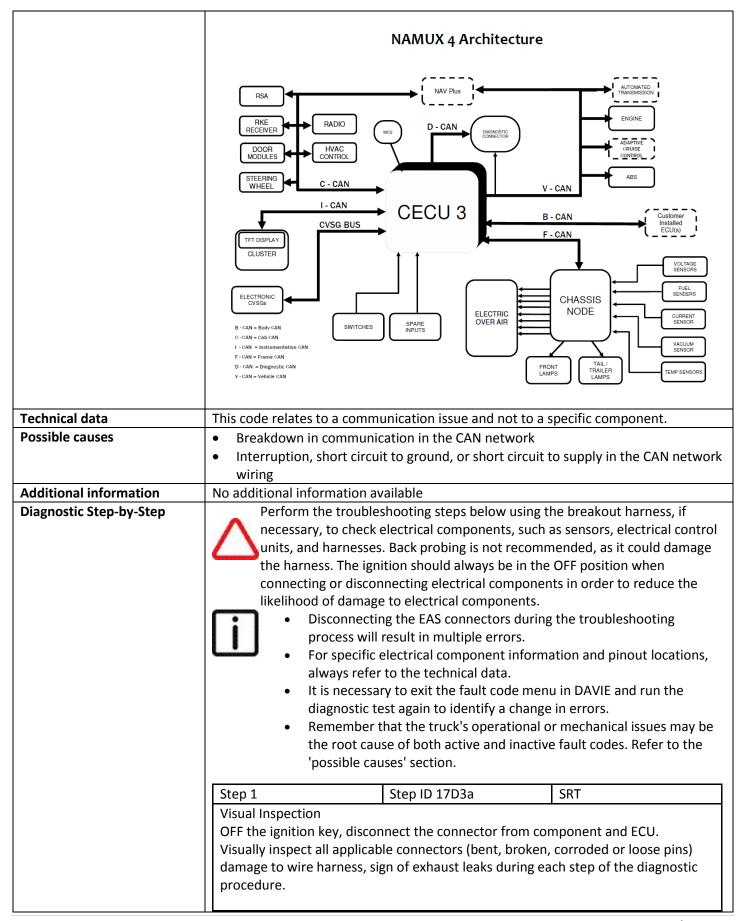


Code number	U17D3		
Fault code description	CAN communication - Message (TSC_TXR) message checksum from transmission		
	system		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab Aftertreatment CAN Diagnostic CAN WHEEL MCS Diagnostic CAN TRANSMISSION ABS CONNECTOR PACCAR Display Vehicle CAN Vehicle CAN CVSG BUS SPARE INPUTS FRAME FREWALL FRONT TAIL TEMP SENSORS SPANS TAIL TEMP SENSORS		









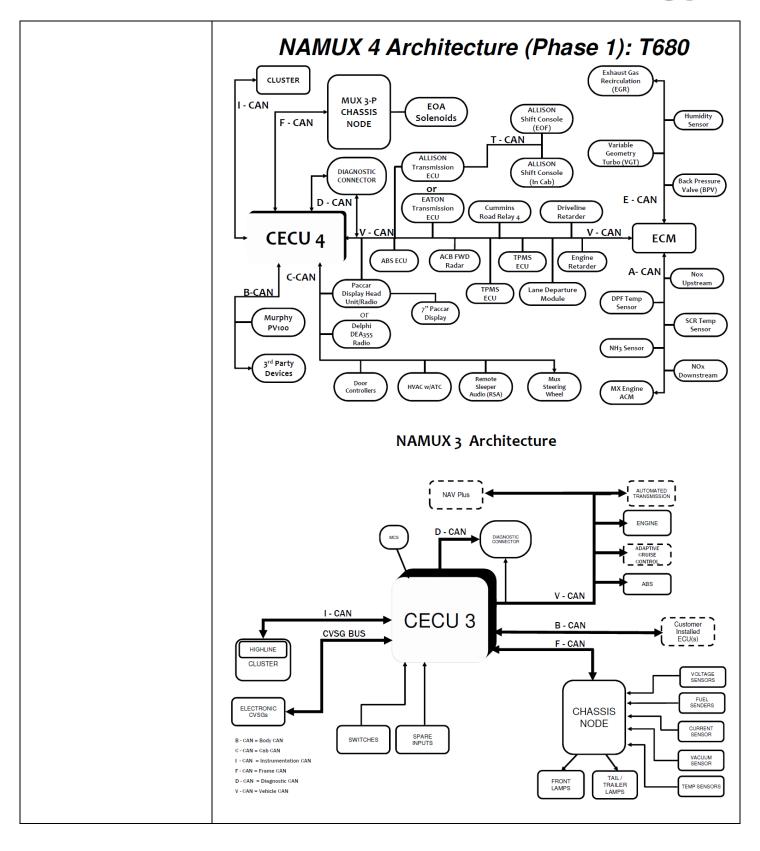


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	Was there evidence of any of the above?				
		110.1.100004.100104			
		The state of the second			
	Use DAVIE to re-cl	neck for the presence of active t	faults.		
	 If this rela 	ted fault is no longer active, the	n this issue has been resolved.		
	 If this rela 	ted fault is still active, Proceed	to step 2		
	Step 2	Step ID 17D3b	SRT		
	Data check				
	 Lookup th 	e technical data of the specific s	system		
	Perform ti	he checking data test of the spe	cific component		
	Is test pass?				
	No: Proce	ed to step 3			
	Yes : Proce	eed to step4			
	Step 3	Step ID 17D3c	SRT		
	Repair or replace component				
	Repair or	replace the component, also ch	eck for electrical connection and		
	wiring har	ness.			
	Reconnect	t the connector			
	ON the igr	nition key			
	Use DAVIE to re-cl	neck for the presence of active f	faults:		
	Is DTC fau	It active: Proceed to step 4			
	Is DTC fau	lt inactive: Issue resolved. Clear	inactive fault.		
	Step 4	Step ID 17D3d	SRT		
	For further assista	nce in diagnosing this issue or f	or confirmation prior to the		
			Engine Support Call Center at 1-		
	800-477-0251.				
Verification Drive Cycle	To verify the repair	:			
_	With the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes.				
	Back to Choose Code				
	Back to Index				

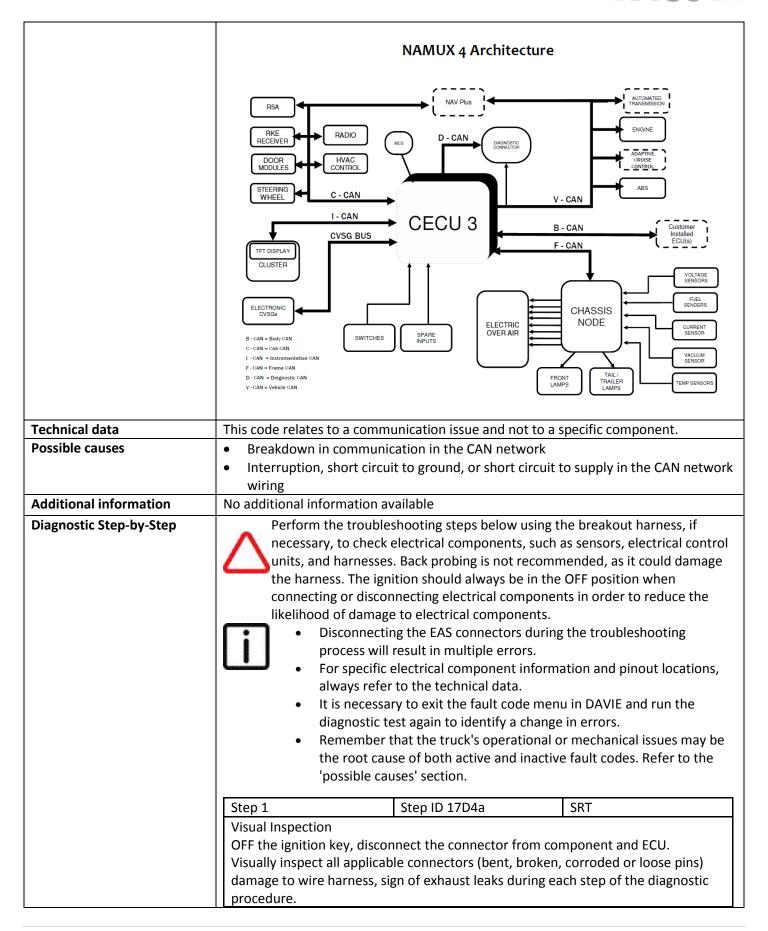


Code number	U17D4		
Fault code description	CAN communication - Message (TSC1_VXR) message checksum		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab STEERING WHEEL Aftertreatment CAN ENGINE CONNECTOR CONNE		









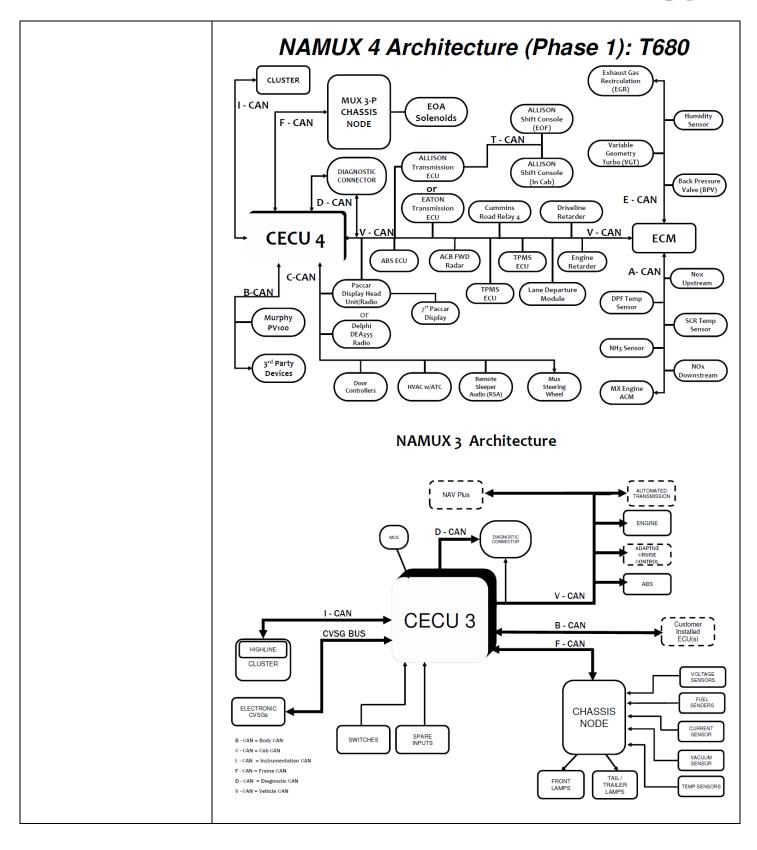


	Mac thor	e evidence of any	of the ahove?		
	Was there evidence of any of the above?No: Proceed to step 2.				
	· ·				
	 Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2 				
	Step 2 Step ID 17D4b SRT				
	 Data check Lookup the technical data of the specific system 				
	• F	Perform the checki	ng data test of the sp	ecific component	
	Is test pa	iss?			
	• 1	No: Proceed to ste	p 3		
	• Y	es : Proceed to ste	ep4		
	Step 3		Step ID 17D4c	SRT	
	Repair or	r replace compone	nt		
	 Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key 				
	Use DAV	IE to re-check for t	he presence of active	e faults:	
	• I:	s DTC fault active:	Proceed to step 4		
	• 1:	s DTC fault inactive	e: Issue resolved. Clea	ar inactive fault.	
	Step 4		Step ID 17D4d	SRT	
	For furth	er assistance in dia	agnosing this issue or	for confirmation prior to the	
			-	e Engine Support Call Center at	
	1-800-477-0251.				
Verification Drive Cycle	To verify t	he repair:			
	With the brakes set, turn the key to the ON position with the engine off, and allow 10				
	seconds for the system to initialize and run diagnostics.				
	With the brakes set, start the engine and allow it to run at idle for 2 minutes.				
	Back to Choose Code				
				Back to Index	

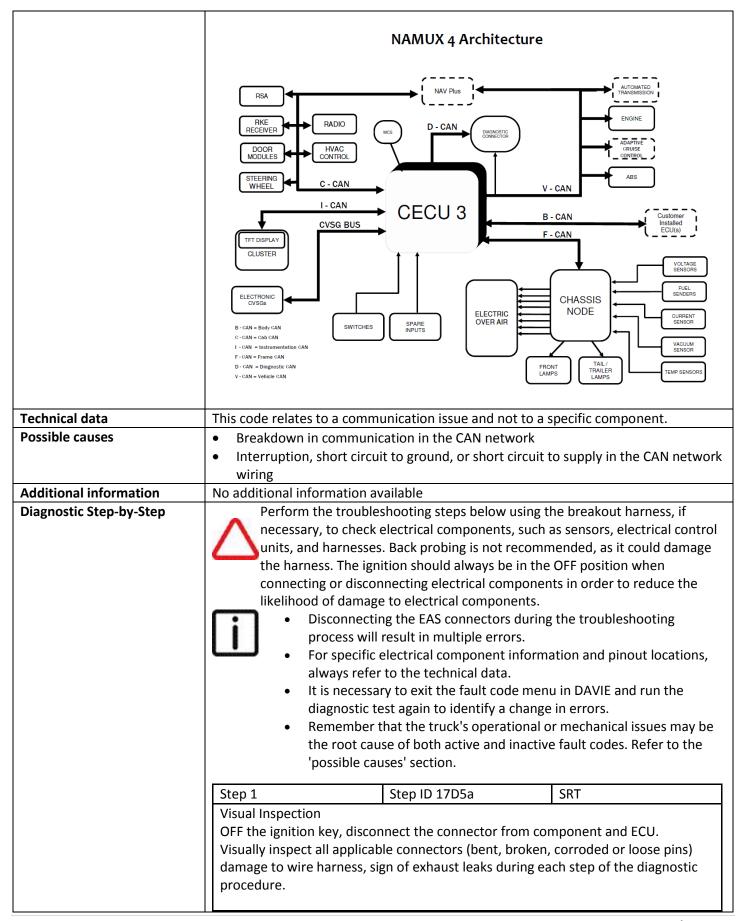


Code number	U17D5		
Fault code description	CAN communication - Message (TSC1_SXR) message checksum		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab Diagnostic CAN STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR DISPISY Vehicle CAN Vehicle CAN CVSG BUS Frame CAN FREWALL Aftertreatment CAN Lautor Alter-treatment DCU Vot. Tage SENSORS FUEL SENSORS FUEL SENSORS FUEL SENSORS SPARE INPUTS FRONT TAIL TAIL TAIL TEMP SENSORS		











	Was there evidence of any of the above?				
		ed to step 2.			
		The state of the special state of the state			
		heck for the presence of active t			
	If this rela	ted fault is no longer active, the	en this issue has been resolved.		
	If this rela	ted fault is still active, Proceed	to step 2		
	Step 2	Step ID 17D5b	SRT		
	Data check				
	 Lookup th 	e technical data of the specific	system		
	Perform t	he checking data test of the spe	cific component		
	Is test pass?				
	No: Proce	ed to step 3			
	Yes : Proc	eed to step4			
	Step 3	Step ID 17D5c	SRT		
	Repair or replace component				
	Repair or replace the component, also check for electrical connection and				
	wiring har	wiring harness.			
	Reconnect	t the connector			
	ON the ign	nition key			
	Use DAVIE to re-c	heck for the presence of active t	faults:		
	Is DTC fau	It active: Proceed to step 4			
	Is DTC fau	It inactive: Issue resolved. Clear	inactive fault.		
	Step 4	Step ID 17D5d	SRT		
	For further assista	nce in diagnosing this issue or f	or confirmation prior to the		
	replacement of su	spect components, contact the	Engine Support Call Center at 1-		
	800-477-0251.				
Verification Drive Cycle	To verify the repair				
	With the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes.				
	Back to Choose Code				
	Back to Index				



U17E4

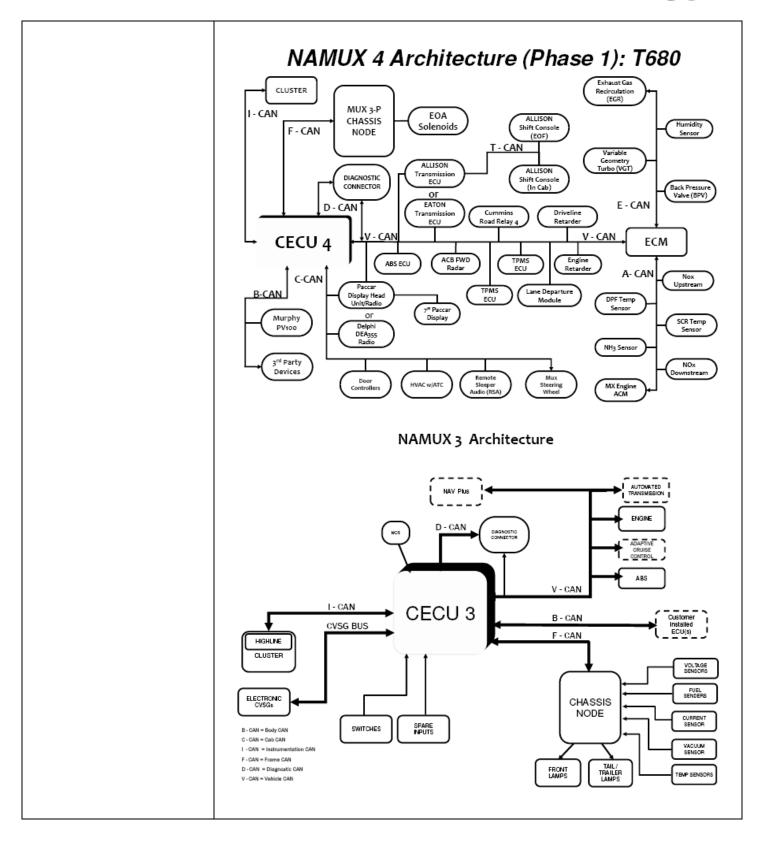
Code number	U17E4		
Fault code description	Remote pedal – Voltage too high or short circuit to supply		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	Not available/required for this code		
Location of component(s)	Not available/required for this code		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code	The PCI ECU (D420) detects that the duty-cycle of gas pedal sensor 1 is greater than		
	55 percent.		
Reset condition of fault code	This fault code will change to inactive immediately after the diagnostic runs and		
	passes		
Electrical diagram(s)	Not available/required for this code		
Technical data	Not available/required for this code		
Possible causes	Not available/required for this code		
Additional information	Not available/required for this code		
Diagnostic Step-by-Step	Please refer to chassis wiring information.		
Verification Drive Cycle	Not available/required for this code		
	Back to Choose Code		
	Back to Index		



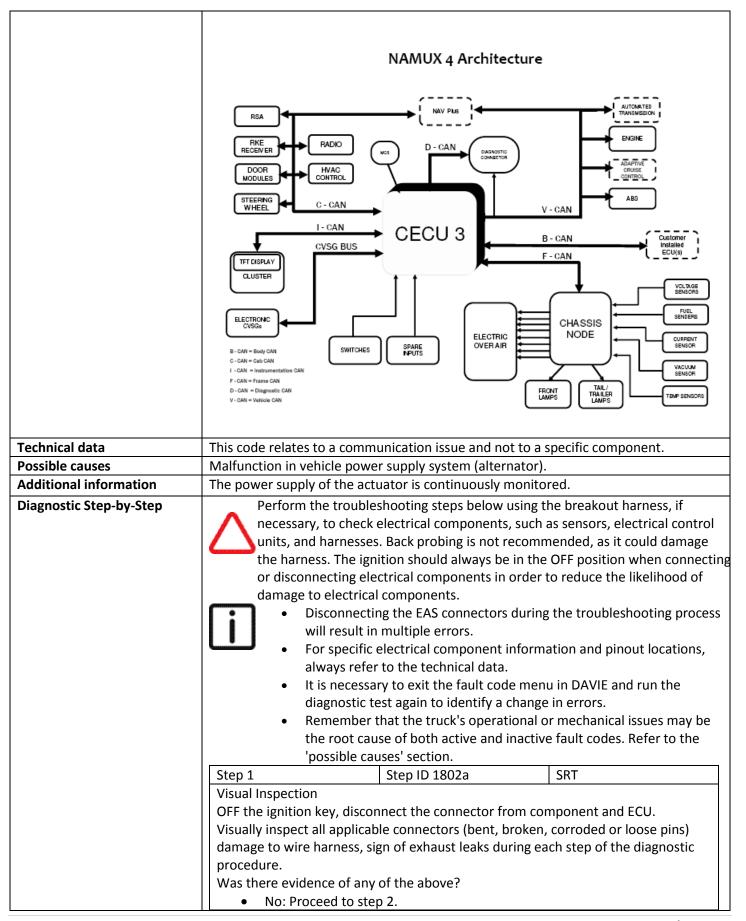
U1802

Code number	U1802		
Fault code description	VTG turbocharger actuator power supply – Data valid but too high		
Fault code information	1 trip MIL		
	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Boost		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code	The VTG turbocharger actuator (L037) detects that the actuator power supply is more		
	than 18.8 volts for more than 40 seconds		
Reset condition of fault code	This DTC changes to inactive after the ignition is keyed off, keyed on again, and the		
	fault is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR DISPLAY CONNECTOR PACCAR DISPLAY CVSG BUS CVSG BUS SWITCHES Frame CAN FRESSURE SENSORS SPARE INPUTS FIREWALL FRONT TAIL TEMP SENSORS FIREWALL FRONT TAIL TAIL TAIL TEMP SENSORS		











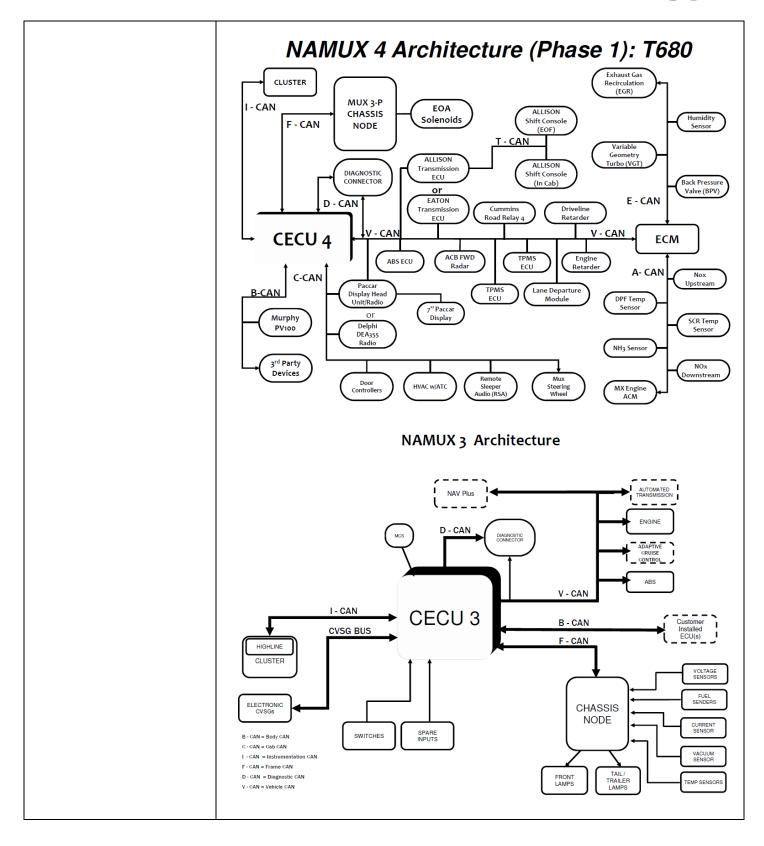
		ke the appropriate repairs or con	•	
	 Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. 			
		lated fault is fill active, Proceed		
	• II tills le	lated fault is still active, Froceed	το step 2	
	Step 2	Step ID 1802b	SRT	
	Data check	<u> </u>		
	• Look	cup the technical data of the spec	cific system	
	• Perf	orm the checking data test of the	e specific component	
	Is test pass?			
	No: Proceed to step 3			
	Yes : Proceed to step 4			
	Step 3	Step ID 1802c	SRT	
	Repair or replace	•		
	11	Repair or replace the component, also check for electrical connection and		
	wiring h			
		ect the connector		
		gnition key		
		check for the presence of active	faults:	
		 Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault 		
	• IS DIC TO	iuit inactive: issue resolved. Cleai	r inactive fault	
	Step 4	Step ID 1802d	SRT	
		tance in diagnosing this issue or f		
		suspect components, contact the	·	
	1-800-477-0251.			
Verification Drive Cycle	To validate the re	pair, with the brakes set, turn the	e key to the ON position with the	
	_	low 10 seconds for the system to	_	
	With the brakes s	et, start the engine and allow it t		
			Back to Choose Code	
			Back to Index	



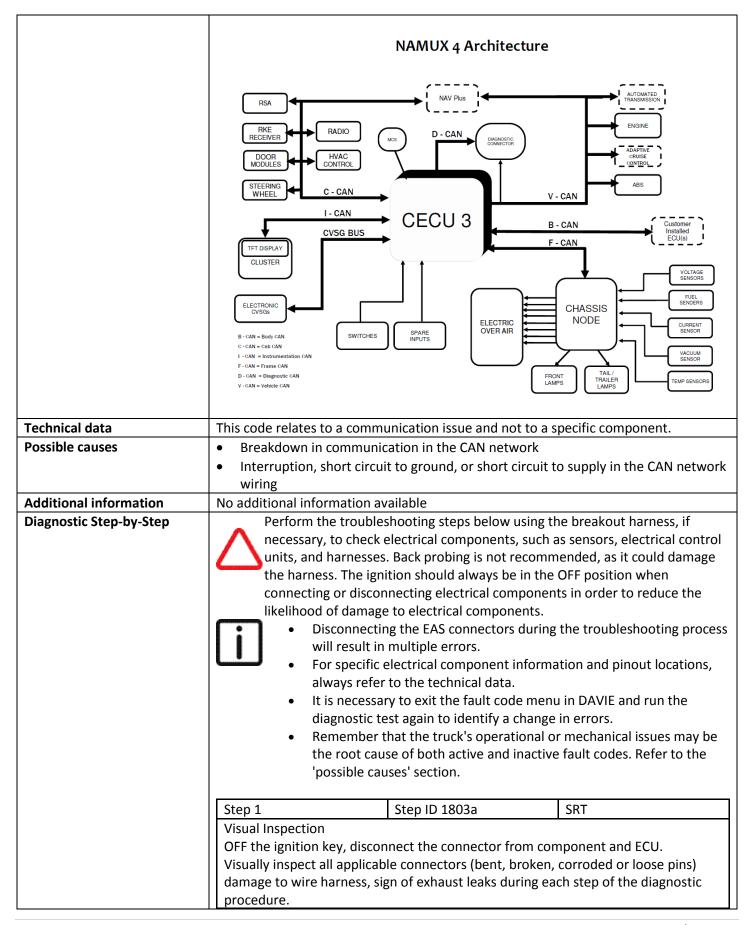
U1803

Code number	U1803		
Fault code description	CAN communication - Message (ACC1) out of range - forward collision warning from		
	emergency brake system		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR DISPIBLY VOLTAGE SENSORS FUEL SENSORS FUEL SENSORS FUEL SENSORS FUEL SENSORS FIREWALL FRONT TAIL FRONT TRANLER LAMPS TAIL FRONT TAIL TEMP SENSORS		











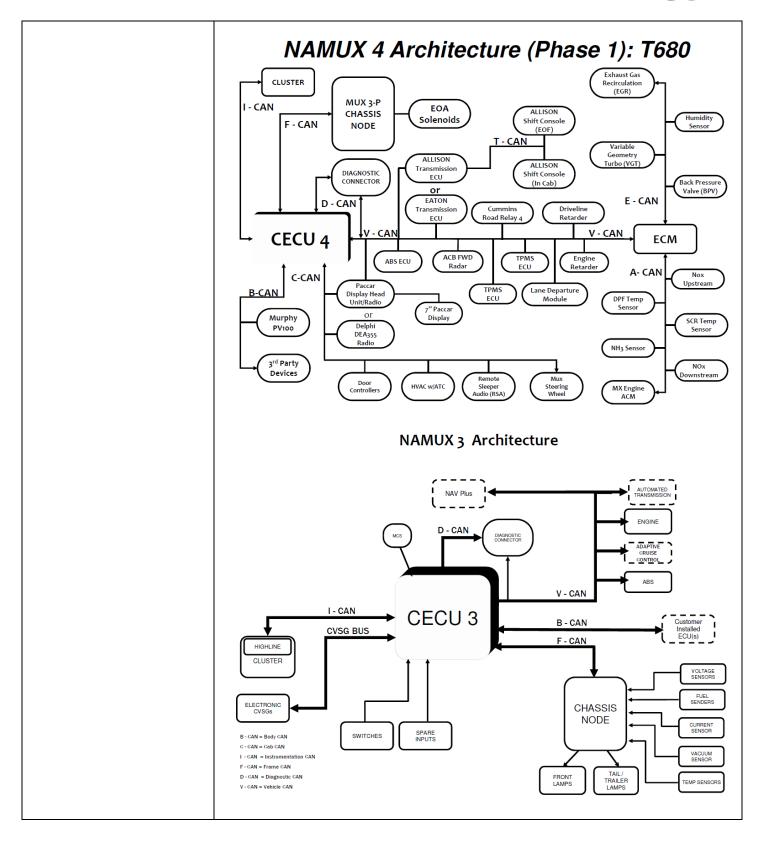
	T		1		
		ce of any of the above? ed to step 2.			
		the appropriate repairs or com	nonent replacements		
		neck for the presence of active f	•		
		•			
		ted fault is no longer active, the			
	• Tunis relat	ed fault is still active, Proceed to	o step 2		
	Step 2	Step ID 1803b	SRT		
	Data check	[]			
		e technical data of the specific s	system		
	I I				
	Is test pass?				
	No: Procee	ed to step 3			
	Yes : Proce	eed to step4			
	Step 3	Step ID 1803c	SRT		
	· ·				
	Repair or replace component Repair or replace the component, also check for electrical connection and				
	wiring har		con for electrical commediant and		
		t the connector			
	ON the igr				
		neck for the presence of active f	aults:		
		It active: Proceed to step 4			
		It inactive: Issue resolved. Clear	inactive fault		
	Step 4	Step ID 1803d	SRT		
	· ·	nce in diagnosing this issue or fo	or confirmation prior to the		
		spect components, contact the	•		
	1-800-477-0251.	, ,	5 11		
Verification Drive Cycle	To verify the repair:				
,	With the brakes set, turn the key to the ON position with the engine off, and allow 10				
	seconds for the system to initialize and run diagnostics.				
	With the brakes set	, start the engine and allow it to	run at idle for 2 minutes.		
			Back to Choose Code		
			Back to Index		



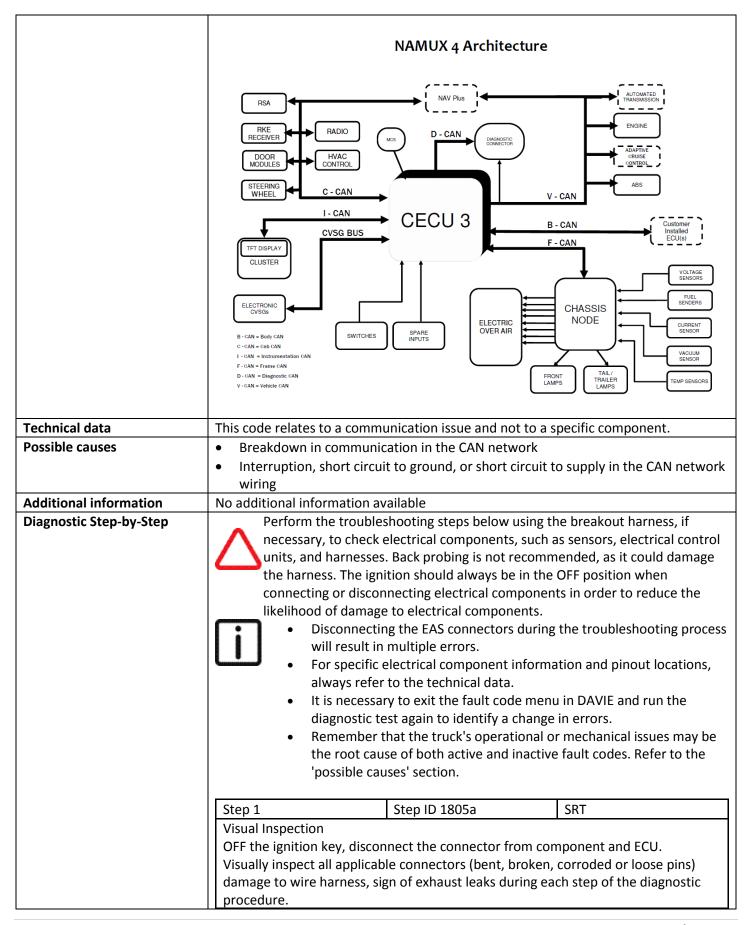
U1805

Code number	U1805		
Fault code description	CAN communication - Message (ACC2) rate too low from vehicle controller		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	Diagnostic CAN STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR Display Vehicle CAN Vehicle CAN Vehicle CAN Vehicle CAN SPARE INPUTS FRONT FRONT FRONT FRONT FRONT FRONT FRONT FRONT FRANCIS FRONT SENSORS VACUUUM SENSORS TEMP SENSORS TEMP SENSORS		









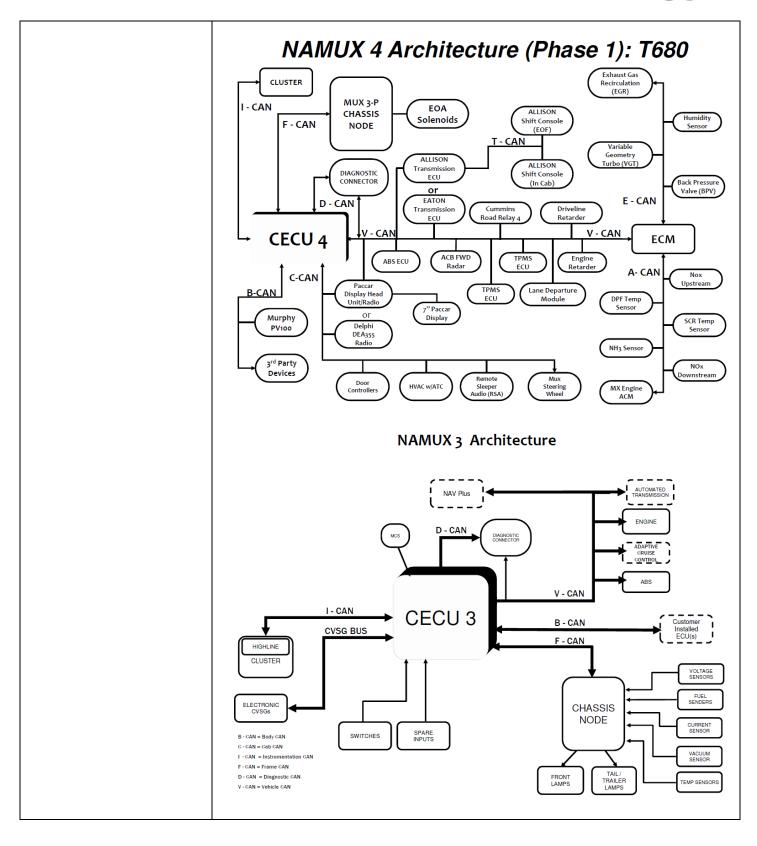


	Was there evidence of ar No: Proceed to so	tep 2.			
		propriate repairs or comp			
		r the presence of active fa			
			n this issue has been resolved.		
	f this related faul	t is still active, Proceed to	o step 2		
	Step 2 Step ID 1805b SRT				
	Data check				
	Lookup the technical data of the specific system				
		king data test of the spec	cific component		
	Is test pass?	2			
	No: Proceed to sYes: Proceed to s	•			
	• Yes: Proceed to	step 4			
	Step 3 Step ID 1805c SRT				
	Repair or replace compo				
	 Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: 				
	Is DTC fault inactive: Issue resolved. Clear inactive fault				
	Step 4	Step ID 1805d	SRT		
			or confirmation prior to the		
	1-800-477-0251.	omponents, contact the i	Engine Support Call Center at		
Verification Drive Cycle					
vernication Drive Cycle	To verify the repair: With the brakes set, turn t	he key to the ON nosition	with the engine off and allow 10		
	With the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics.				
	With the brakes set, start the engine and allow it to run at idle for 2 minutes.				
			Back to Choose Code		
			Back to Index		

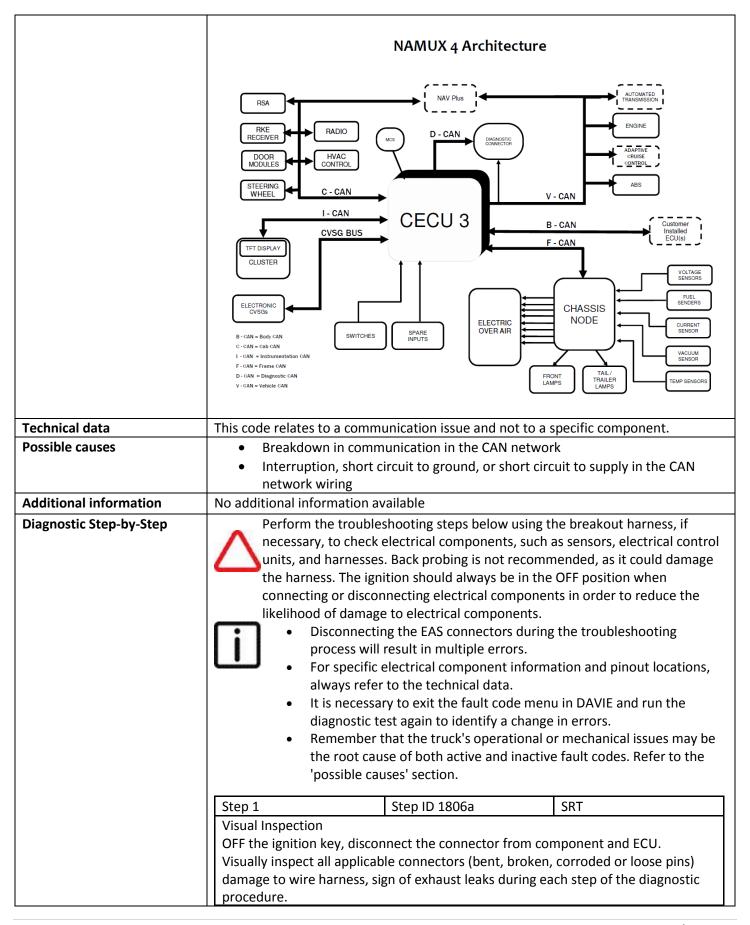


Code number	U1806			
Fault code description	CAN communication – Message (ACM_to_Eng) out of range – Soot level from			
	emission system			
Fault code information	1 trip MIL			
	3 drive cycle recovery			
	Readiness group – None			
	Freeze frame type – Generic			
Description of component(s)	This code relates to a communication issue and not to a specific component.			
Location of component(s)	This code relates to a communication issue and not to a specific component.			
Diagnostic condition	This diagnostic runs continuously when the ignition is on.			
Set condition of fault code				
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.			
Electrical diagram(s)				
	NAMUX 3 Architecture: 2010 B-Cab			
	FIREWALL Aftertreatment CAN			
	Discussion CAN The Table 1			
	STEERING WHEEL			
	MCS ABS ABS GRIUSE GRIUSE			
	DIAGNOSTIC CONNECTOR			
	PACCAR PACCAR Engine CAN			
	Cluster Cab CAN Display VGT Actuator			
	Instrumentation CAN CECU 3			
	CVSG BUS VOLTAGE SENSORS			
	FUEL			
	ELECTRONIC SENDERS SENDERS			
	CVSG'S CURRENT SENSOR			
	SWITCHES Frame CAN CHASSIS PRESSURE SENSORS			
	SPARE INPUTS VACUUM SENSOR			
	EPONT TAIL TEMP			
	FIREWALL LAMPS TRAILER LAMPS			
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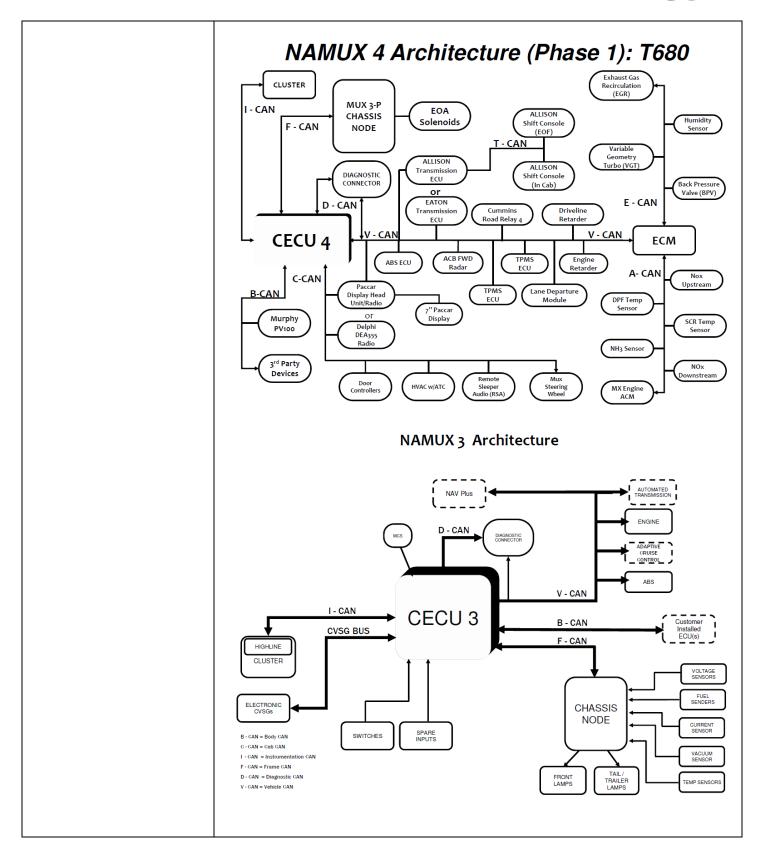
Was there evidence of any of the above? No: Proceed to step 2. Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2 Step 2 Step ID 1806b SRT Data check Lookup the technical data of the specific system Perform the checking data test of the specific component Is test pass? No: Proceed to step 3 Yes: Proceed to step4 Step ID 1806c Step 3 SRT Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. Step 4 Step ID 1806d SRT For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251. **Verification Drive Cycle** To verify the repair: With the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes. Back to Choose Code **Back to Index**



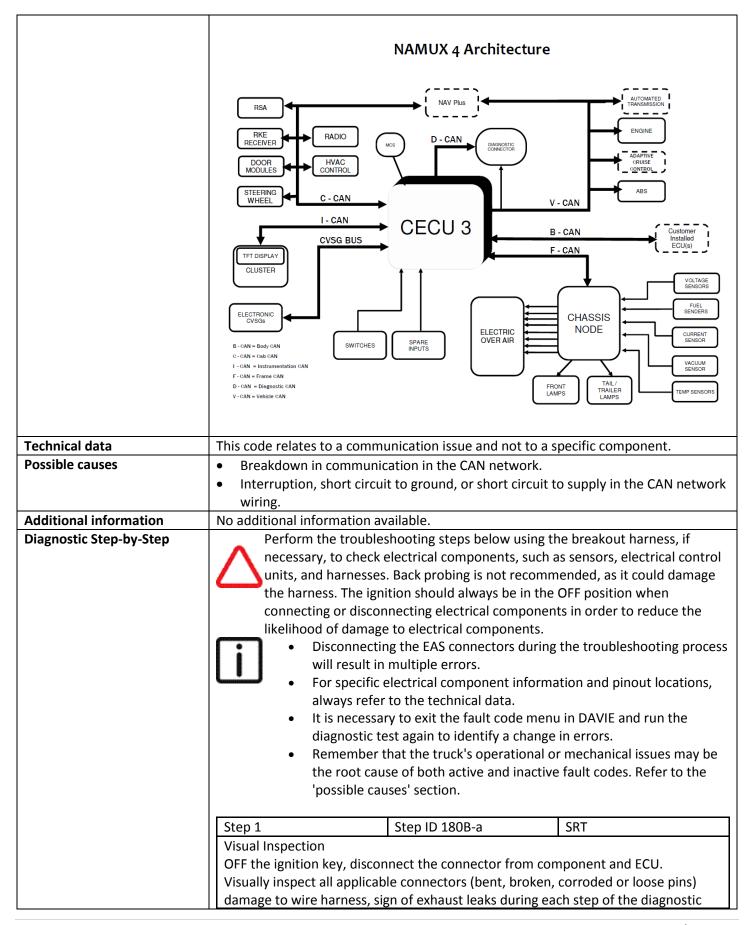
U180B

Code number	U180B
Fault code description	CAN communication - Message (CCVS_VIC) out of range - cruise control pause switch
	from vehicle controller
Fault code information	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	This code relates to a communication issue and not to a specific component.
Location of component(s)	This code relates to a communication issue and not to a specific component.
Diagnostic condition	This diagnostic runs continuously when the ignition is on.
Set condition of fault code	
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.
Electrical diagram(s)	
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR DISPIBLY CONNECTOR PACCAR DISPIBLY VOLTAGE SENSORS FUEL SENSORS FIREWALL FRONT FRONT TAIL TRAILER LAMPS TEMP SENSORS FIREWALL FRONT TAIL TRAILER LAMPS TEMP SENSORS











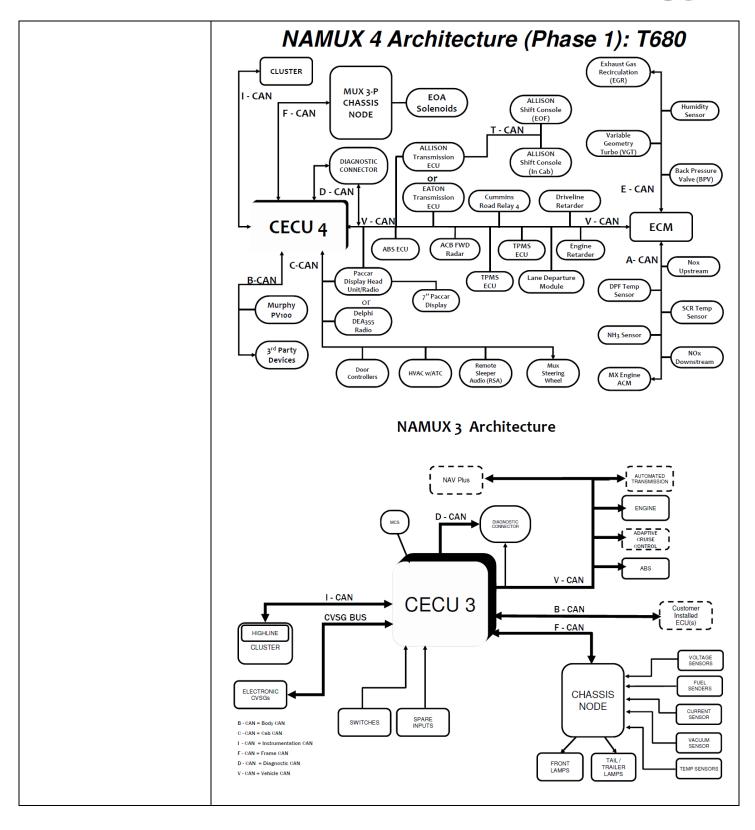
	 procedure. Was there evidence of any of the above? No: Proceed to step 2. Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. f this related fault is still active, Proceed to step 2 		
	Step 2 Data check Lookup the technical data of the specific system Perform the checking data test of the specific component ls test pass? No: Proceed to step 3 Yes: Proceed to step4		
	Step 3 Step ID 180B-c SRT Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault		
	Step 4 Step ID 180B-d SRT For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251.		
Verification Drive Cycle	To verify the repair: With the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes. Back to Choose Code Back to Index		



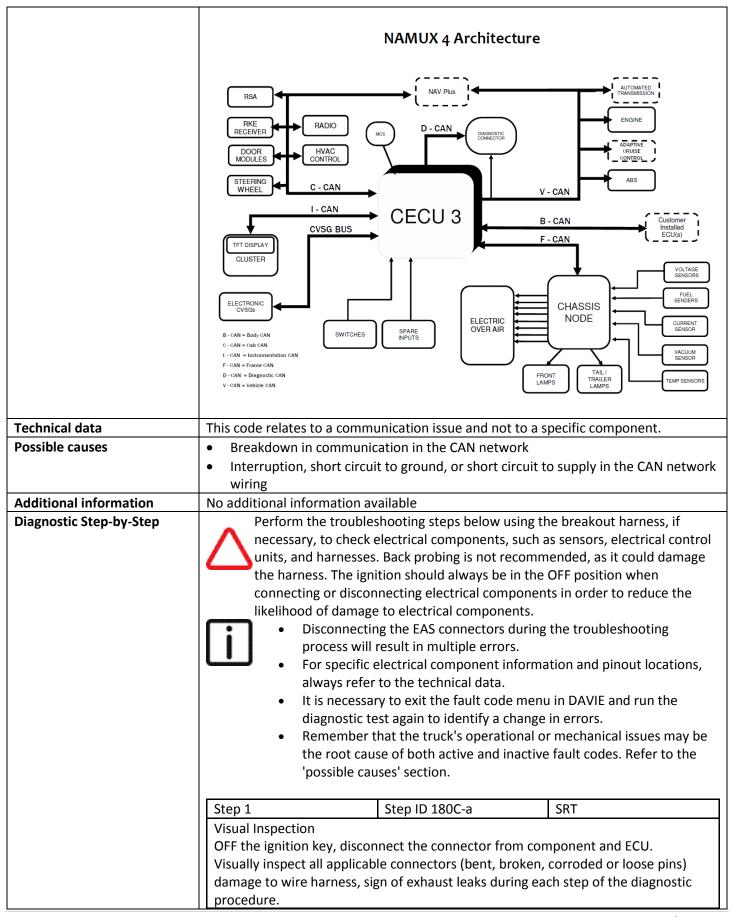
U180C

Code number	U180C
Fault code description	CAN communication - Message (CVW) out of range - gross combination vehicle
	weight from brake system
Fault code information	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	This code relates to a communication issue and not to a specific component.
Location of component(s)	This code relates to a communication issue and not to a specific component.
Diagnostic condition	This diagnostic runs continuously when the ignition is on.
Set condition of fault code	
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.
Electrical diagram(s)	
	NAMUX 3 Architecture: 2010 B-Cab Cab Can











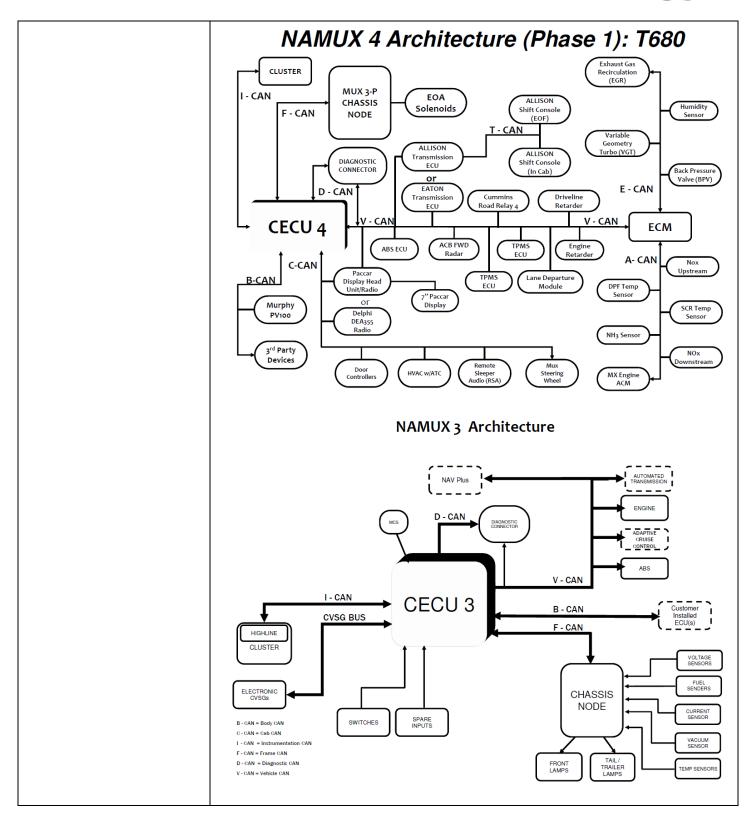
	1 1		1		
		Was there evidence of any of the above?			
	 No: Proceed to step 2. Yes: Make the appropriate repairs or component replacements. 				
			•		
		neck for the presence of active fa			
		ted fault is no longer active, then			
	• Tithis relati	ed fault is still active, Proceed to	o step 2		
	Step 2	Step ID 180C-b	SRT		
	Data check	3tep 15 1000 5	1 3 1 1		
		e technical data of the specific s	vstem		
	I I	ne checking data test of the spec			
	Is test pass?				
		ed to step 3			
	Yes : Proce	eed to step4			
	Step 3	Step ID 180C-c	SRT		
	Repair or replace of	· · · · · · · · · · · · · · · · · · ·	10		
	Repair or replace the component, also check for electrical connection and				
	1 1	wiring harness.			
		the connector			
	ON the ign	iition key			
	Use DAVIE to re-ch	neck for the presence of active fa	aults:		
	Is DTC faul	t active: Proceed to step 4			
	Is DTC faul	t inactive: Issue resolved. Clear	inactive fault		
	Step 4	Step ID 180C-d	SRT		
		nce in diagnosing this issue or fo			
		spect components, contact the I	Engine Support Call Center at 1-		
	800-477-0251.				
Verification Drive Cycle	To verify the repair:				
		•	n with the engine off, and allow 10		
	seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes.				
			Back to Choose Code		
			Back to Index		



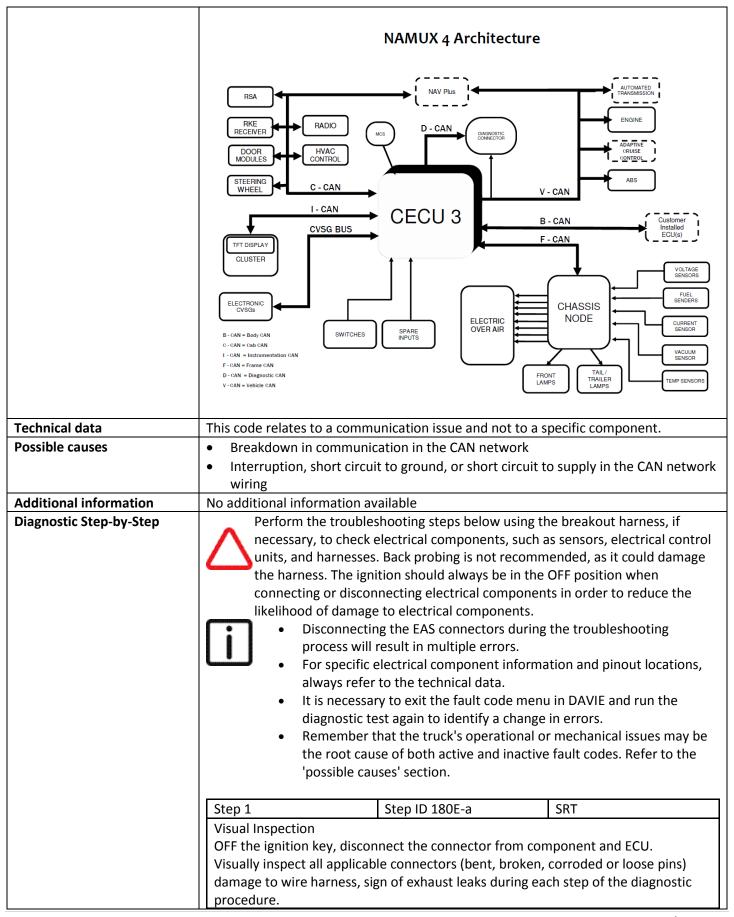
U180E

Code number	U180E		
Fault code description	CAN communication - Message (CVW) rate too low from brake system		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab Diagnostic CAN Diagnostic C		
	Cluster Cab CAN Cab CAN Vehicle CAN Vehicle CAN Voltage		
	CVSG BUS FUEL SENDERS		
	ELECTRONIC CVSG's SWITCHES Frame CAN CHASSIS PRESSURE SENSORS PRESSURE SENSORS		
	SPARE INPUTS FRONT TAIL / TEMP SENSORS FIREWALL FRONT LAMPS TAIL / TRAILER LAMPS		









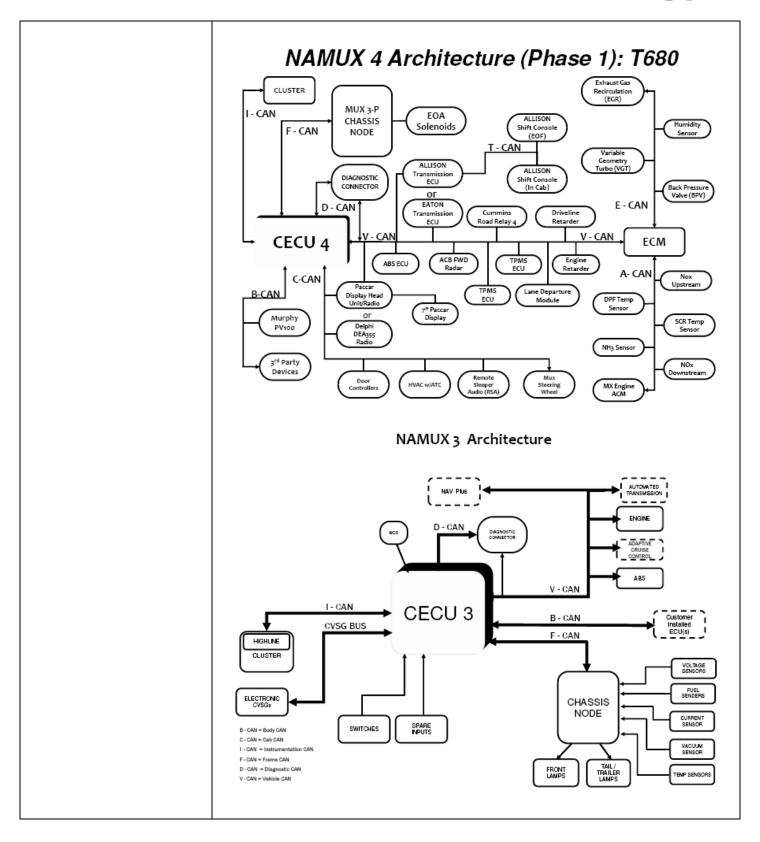


	7 7				
		nce of any of the above?			
	No: Proceed to step 2.				
		Yes: Make the appropriate repairs or component replacements.			
		check for the presence of active f			
		ated fault is no longer active, the			
	f this relation	ted fault is still active, Proceed to	o step 2		
	Step 2	Step ID 180E-b	SRT		
	Data check				
	Lookup t	he technical data of the specific s	ystem		
	Perform	the checking data test of the spec	cific component		
	Is test pass?				
	No: Proce	eed to step 3			
	Yes : Proc	ceed to step4			
		<u>`</u>			
	Step 3	Step ID 180E-c	SRT		
	Repair or replace component				
	Repair or	Repair or replace the component, also check for electrical connection and			
	wiring ha	rness.			
	Reconnection	ct the connector			
	ON the ig	nition key			
	Use DAVIE to re-	check for the presence of active f	aults:		
	Is DTC face	ult active: Proceed to step 4			
	Is DTC face	ult inactive: Issue resolved. Clear	inactive fault		
	Step 4	Step ID 180E-d	SRT		
	For further assistance in diagnosing this issue or for confirmation prior to the				
		5 5	Engine Support Call Center at 1-		
	800-477-0251.	, , , , , , , , , , , , , , , , , , , ,	8 117		
Verification Drive Cycle	To verify the repai	r·			
Vernication Drive Cycle			with the engine off and allow 10		
	With the brakes set, turn the key to the ON position with the engine off, and all seconds for the system to initialize and run diagnostics.				
	·	et, start the engine and allow it to			
	With the brakes se	e, start the engine and anow it to	Back to Choose Code		
			Back to Choose Code		
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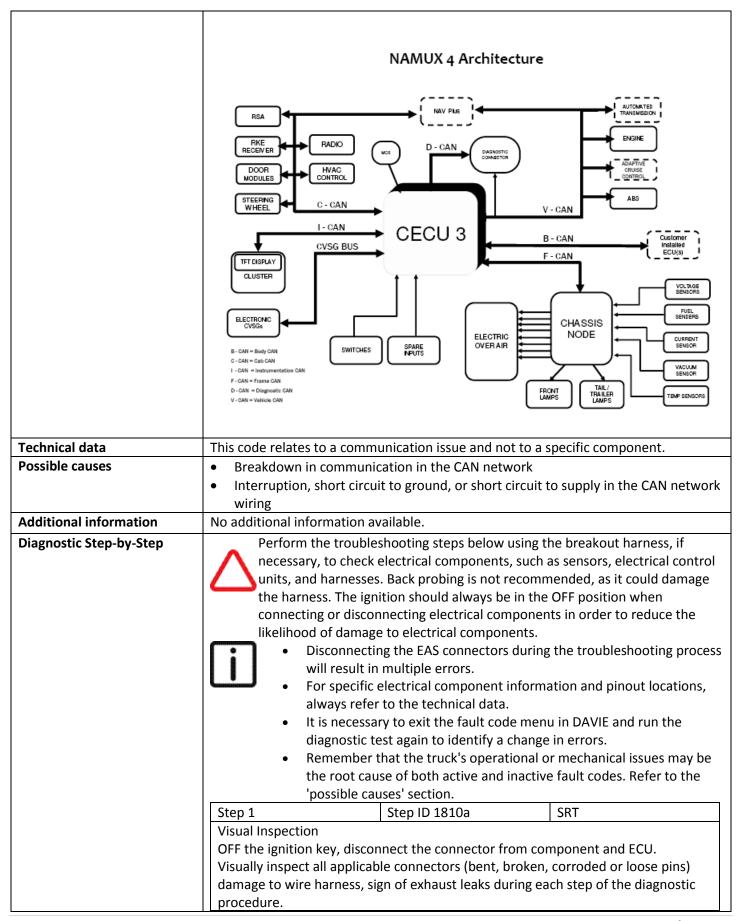


Code number	U1810
Fault code description	CAN communication - Message (EAS_EI_AECD) rate too low from emission system
Fault code information	1 trip MIL
	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	This code relates to a communication issue and not to a specific component.
Location of component(s)	This code relates to a communication issue and not to a specific component.
Diagnostic condition	This diagnostic runs continuously when the ignition is on.
Set condition of fault code	CAN command message EAS_EI_AECD is missing for more than 3 seconds.
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.
Electrical diagram(s)	
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR DISPLAY COUNECTOR PACCAR DISPLAY FIGURE FIGURE CAN Vehicle CAN Vehicle CAN Vehicle CAN FUEL SENDORS FUEL SENDORS FUEL SENDORS SPARE INPUTS FRONT TRAIL/ TRAI









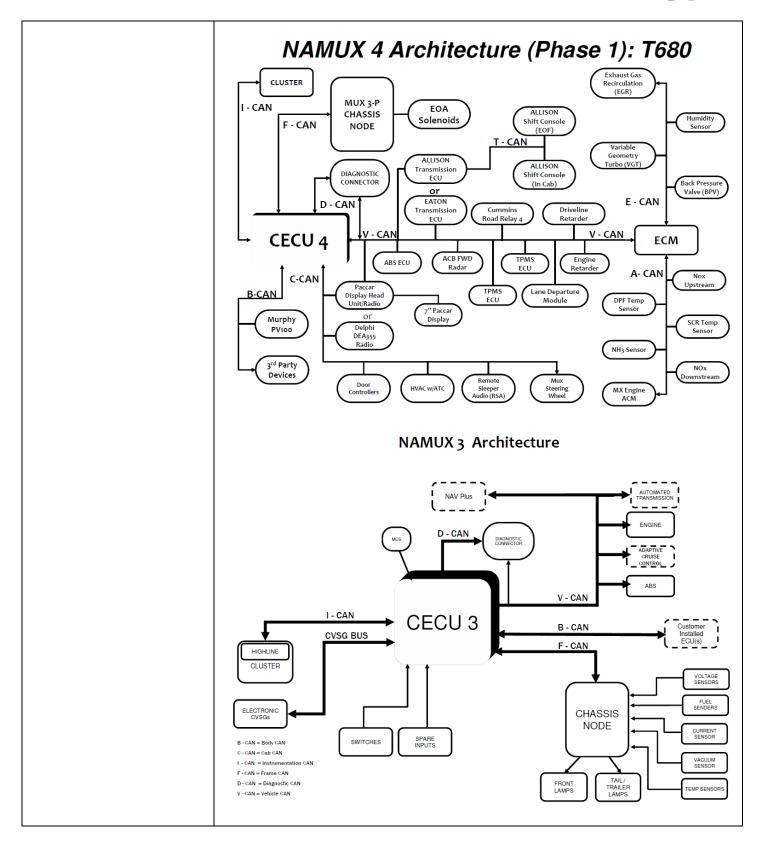


_				
		ence of any of the above?		
	No: Proceed to step 2.			
	Yes: Ma	ake the appropriate repairs or cor	nponent replacements.	
	Use DAVIE to re	-check for the presence of active	faults.	
	If this re	elated fault is no longer active, th	en this issue has been resolved.	
	If this related fault is still active, Proceed to step 2			
			·	_
	Step 2	Step ID 1810b	SRT	
	Data check			
	• Loo	kup the technical data of the spe	cific system	
	• Per	form the checking data test of the	e specific component	
	Is test pass?	G	·	
	• No:	Proceed to step 3		
	• Yes	: Proceed to step 4		
	Step 3 Step ID 1810c SRT			
	Repair or replace component			
	Repair or replace the component, also check for electrical connection and			
	wiring harness.			
	Reconn	ect the connector		
	ON the	ignition key		
	Use DAVIE to re	-check for the presence of active	faults:	
		ault active: Proceed to step 4		
	Is DTC face	ault inactive: Issue resolved. Clea	r inactive fault	
				_
	Step 4	Step ID 1810d	SRT	
	For further assistance in diagnosing this issue or for confirmation prior to the			
		suspect components, contact the		
	1-800-477-0251.			
Verification Drive Cycle	To verify the repa	air:		
	With the brakes	set, turn the key to the ON position	on with the engine off, and allow 1	LO
	seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes.			
	Back to Choose Code			
			Back to Ind	<u>lex</u>

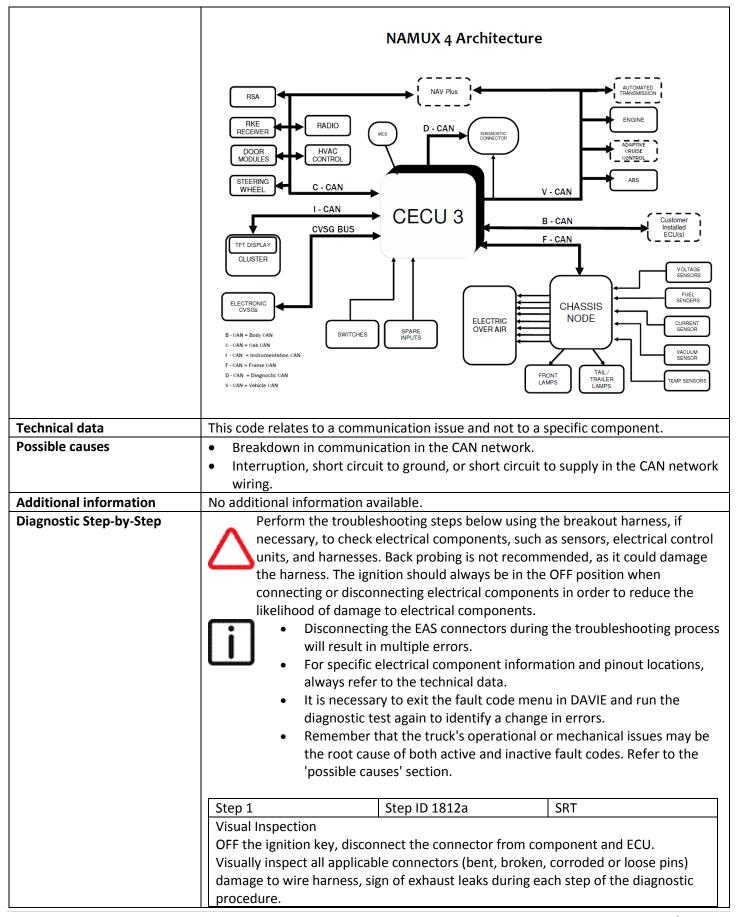


Code number	U1812
Fault code description	CAN communication - Message (EAS_SYS_INFO) rate too low from emission system
Fault code information	1 trip MIL
	3 drive cycle recovery
	Readiness group – None
	Freeze frame type – Generic
Description of component(s)	This code relates to a communication issue and not to a specific component.
Location of component(s)	This code relates to a communication issue and not to a specific component.
Diagnostic condition	This diagnostic runs continuously when the ignition is on.
Set condition of fault code	CAN command message EAS_SYS_INFO is missing for more than 0.6 seconds.
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.
Electrical diagram(s)	
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN INSTEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR DISplay Vehicle CAN Vehicle CAN Vehicle CAN CVSG BUS Frame CAN FIREWALL Aftertreatment CAN LAUTO COUNED LOUNG VOLTAGE SENSORS FRUEL SENSORS FROM CVSG BUS FROM FIREWALL FRONT TAIL TAIL TAIL TEMP SENSORS FREWALL FRONT TRAILER LAMPS LAMPS TEMP SENSORS









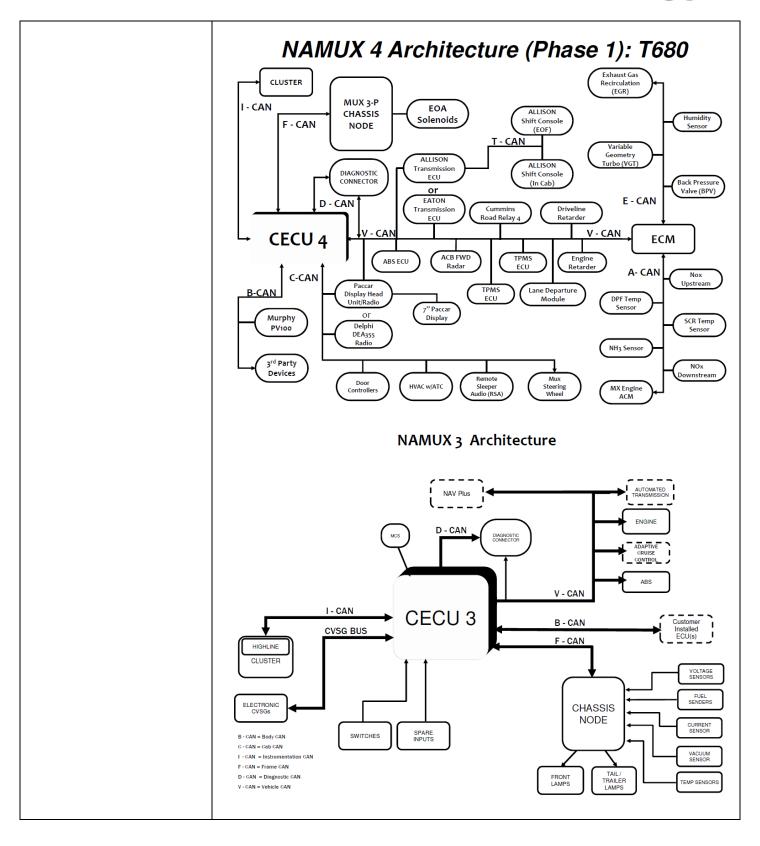


		ence of any of the above?		
	 No: Proceed to step 2. Yes: Make the appropriate repairs or component replacements. 			
	Use DAVIE to re-	-check for the presence of active	faults.	
	If this re	lated fault is no longer active, the	en this issue has been resolved	
	If this related fault is still active, Proceed to step 2			
	Step 2	Step ID 1812b	SRT	
	Data check			
	• Lool	kup the technical data of the spe	cific system	
	• Perf	form the checking data test of the	e specific component	
	Is test pass?			
	• No:	Proceed to step 3		
	• Yes	: Proceed to step 4		
	Step 3 Step ID 1812c SRT			
	Repair or replace component			
	Repair or replace the component, also check for electrical connection and			
	wiring harness.			
	Reconne	ect the connector		
	ON the i	ignition key		
	Use DAVIE to re-	-check for the presence of active	faults:	
	Is DTC fa	ault active: Proceed to step 4		
	Is DTC fa	ault inactive: Issue resolved. Clea	r inactive fault	
	Step 4	Step ID 1812d	SRT	
	For further assistance in diagnosing this issue or for confirmation prior to the			
	replacement of	suspect components, contact the	Engine Support Call Center at	
	1-800-477-0251.			
Verification Drive Cycle	To verify the repa	air:		
	With the brakes s	set, turn the key to the ON position	on with the engine off, and allow	w 10
	seconds for the system to initialize and run diagnostics.			
	With the brakes set, start the engine and allow it to run at idle for 2 minutes. Back to Choose Code			
			Back to	<u>Index</u>

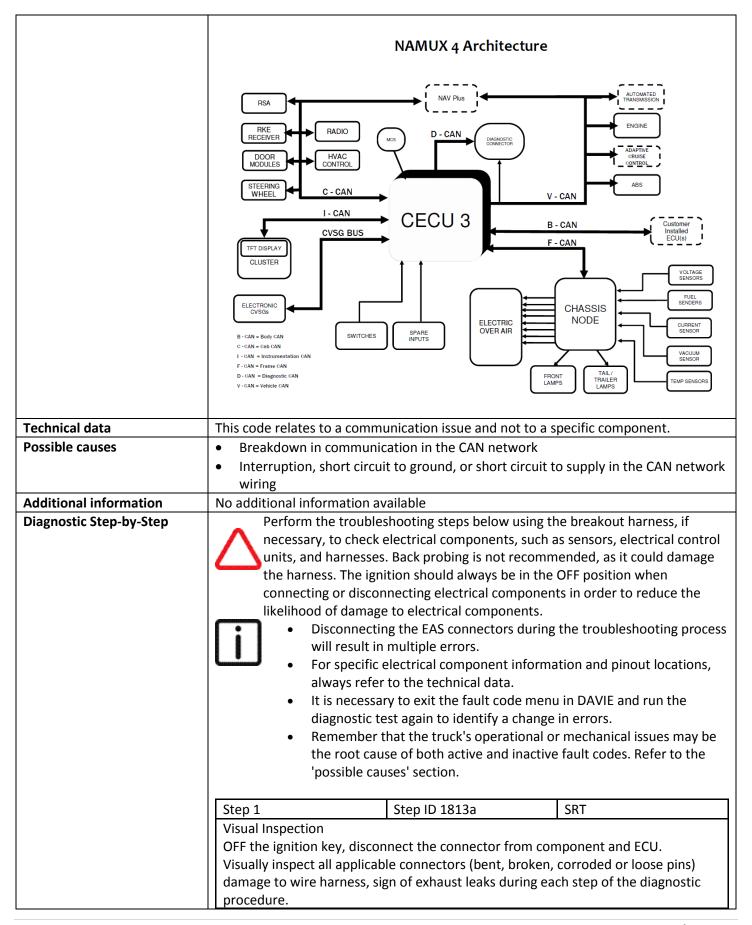


Code number	U1813		
Fault code description	CAN communication - Message (EBC1 EBS) out of range - ASR engine control active		
	from brake system		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN STEERING WHEEL MCS Diagnostic CAN ITRANSMISSION PACCAR Display PACCAR Display Vehicle CAN Vehicle CAN Vehicle CAN Vehicle CAN Vehicle CAN STEERING WHEEL CONNECTOR PACCAR Display Vehicle CAN Vehicle CAN Vehicle CAN CUSG BUS SWITCHES Frame CAN FRONT TAIL TEMP SENSORS SENSORS TEMP TRAILER LAMPS TAIL TEMP SENSORS		









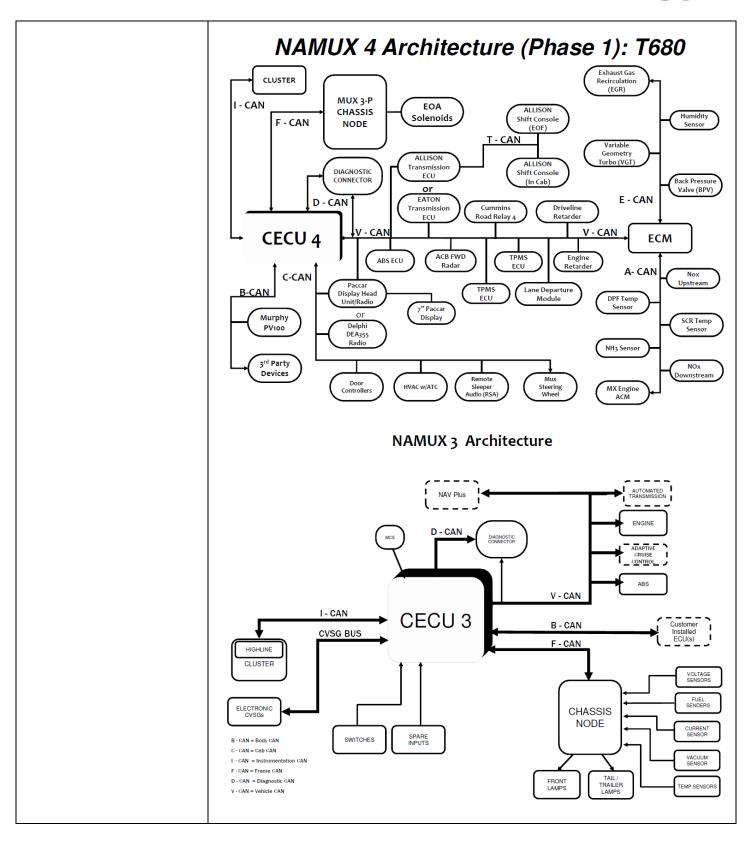


	1 1				
		te of any of the above?			
	No: Procee				
		the appropriate repairs or com	•		
		neck for the presence of active f			
		ted fault is no longer active, the			
	this relat	ed fault is still active, Proceed to	o step 2		
	Step 2	Step ID 1813b	SRT		
	Data check	3tcp 15 16135	51(1		
	Lookup the technical data of the specific system				
	1 I				
	Is test pass?				
	No: Procee	ed to step 3			
	Yes : Proceed to step4				
	Step 3	Step ID 1813c	SRT		
	Repair or replace of	· ·			
	Repair or replace the component, also check for electrical connection and				
	wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4				
	Is DTC faul	Is DTC fault inactive: Issue resolved. Clear inactive fault			
			Long		
	Step 4	Step ID 1813d	SRT		
		For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at			
	1-800-477-0251.				
Verification Drive Cycle		To verify the repair:			
	With the brakes set, turn the key to the ON position with the engine off, and allow				
		seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes.			
	with the blakes set	, start the engine and anow it to	Back to Choose Code		
			Back to Index		
			Duck to muck		

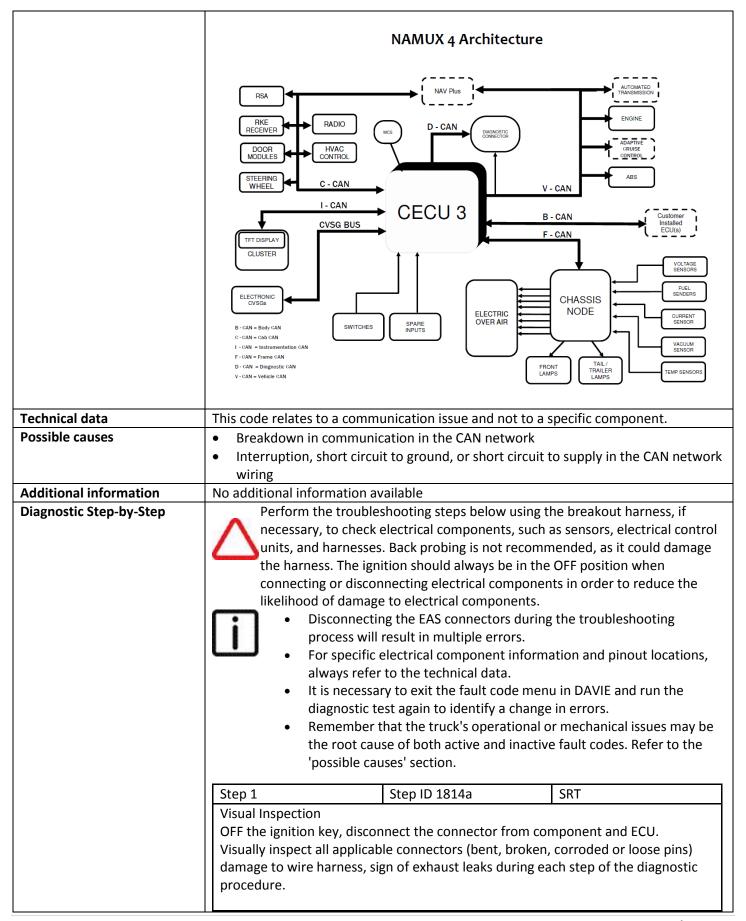


Code number	U1814		
Fault code description	CAN Communication – Message (EBC1_CECU) out of range – ASR brake control active		
	from brake system		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN FIREWALL Aftertreatment CAN FIREWALL AFTERING WHEEL DIAGNOSTIC CONNECTOR PACCAR DISPISY Vehicle CAN Vehicle CAN FIREWALL Aftertreatment CAN Venicie CAN Vehicle CAN FUEL SENSORS SENSOR SENSOR FUEL SENSOR SENSOR FRONT TAILL'		









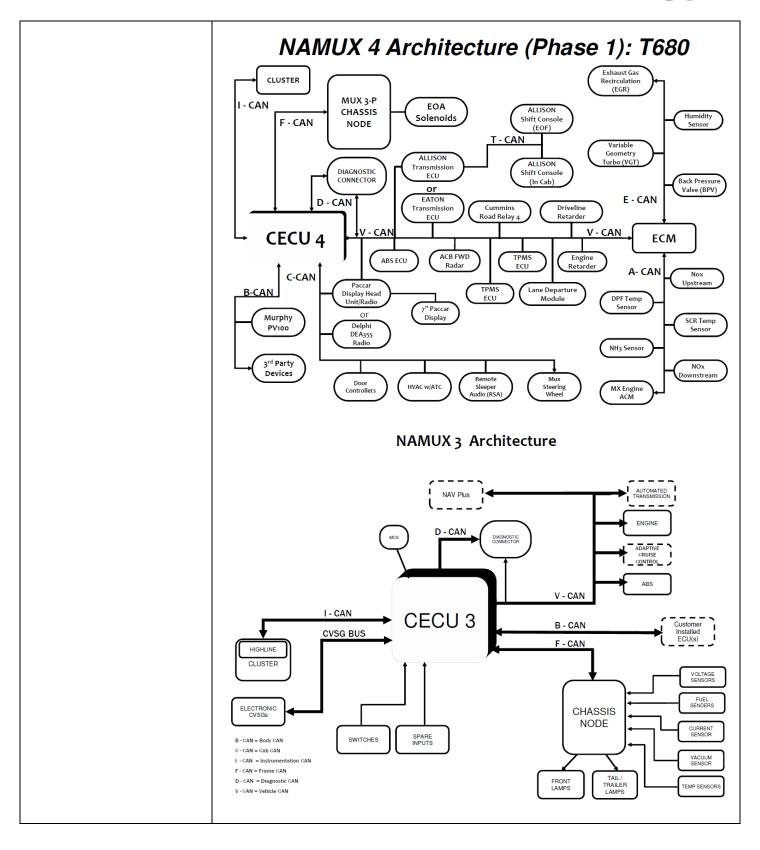


	Was there evidence	e of any of the above?		
	No: Procee	•		
	Yes: Make to	the appropriate repairs or con	nponent replacements.	
		eck for the presence of active		
		-	en this issue has been resolved.	
		ed fault is still active, Proceed		
	-	,	·	
	Step 2	Step ID 1814b	SRT	
	Data check	•	<u> </u>	
	 Lookup the 	technical data of the specific	system	
	Perform the checking data test of the specific component			
	Is test pass?		·	
	No: Proceed to step 3			
	Yes : Proceed to step4			
	Step 3	Step ID 1814c	SRT	
	Repair or replace co	omponent		
	 Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. 			
	Step 4	Step ID 1814d	SRT	
	For further assistan	ce in diagnosing this issue or	for confirmation prior to the	
	replacement of suspect components, contact the Engine Support Call Center at			
	1-800-477-0251.			
Verification Drive Cycle	To verify the repair:			
	With the brakes set, turn the key to the ON position with the engine off, and allow 10			
	seconds for the system to initialize and run diagnostics.			
	With the brakes set,	start the engine and allow it t		
			Back to Choose Code	
			Back to Index	

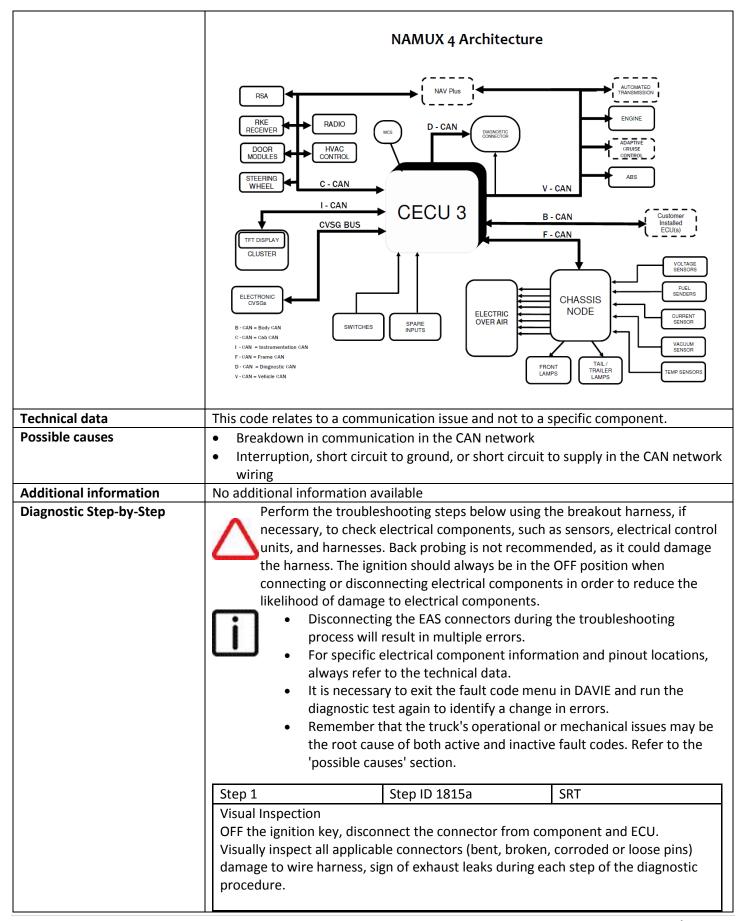


Code number	U1815		
Fault code description	CAN communication - Message (EBC2) out of range - Relative speed; front axle, left		
	wheel from brake system		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	Cluster Cab CAN Instrumentation CAN CVSG BUS CVSG BUS CVSG BUS CVSG BUS Frame CAN FREWALL Aftertreatment CAN DIAGNOSTIC CONNECTOR PACCAR DIAGNOSTIC CONNECTOR PACCAR DIAGNOSTIC CONNECTOR PACCAR PACCAR DISPINA Vehicle CAN CVSG BUS CVSG BUS CVSG BUS Frame CAN Frame CAN FRESSURE SENSORS NODE FRESSURE SENSORS VACUUM TALL TEMP SENSORS		









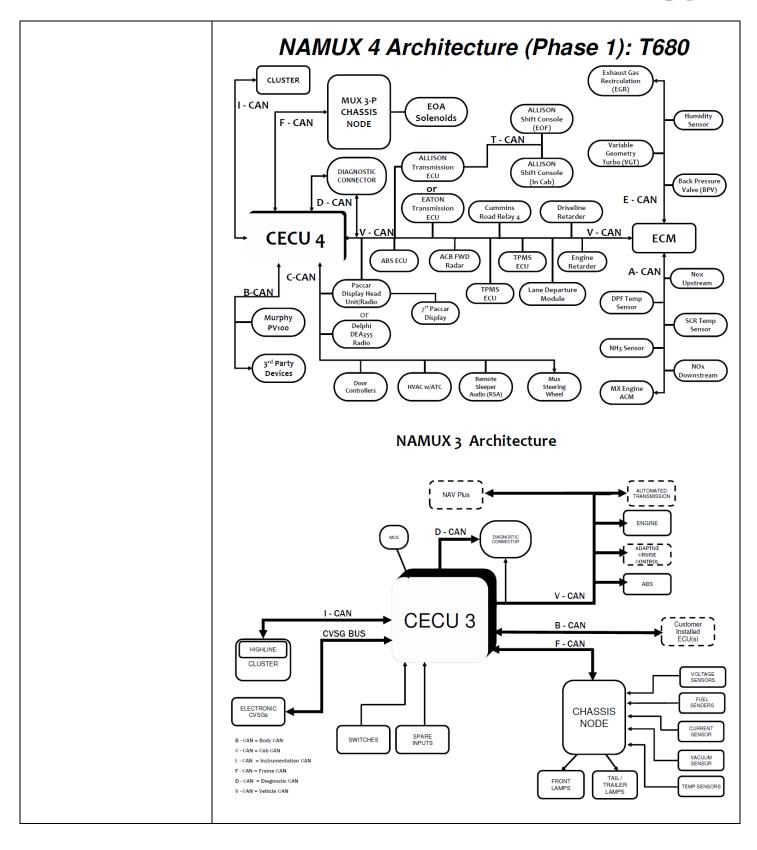


	Was there evidence of any of the above?			
	No: Proceed to step 2.			
		the appropriate repairs or com		
	Use DAVIE to re-cl	Use DAVIE to re-check for the presence of active faults.		
	 If this related fault is no longer active, then this issue has been resolved. 			
	 If this rela 	If this related fault is still active, Proceed to step 2		
	Step 2	Step ID 1815b	SRT	
	Data check			
	Lookup the technical data of the specific system			
	Perform till	he checking data test of the spe	cific component	
	Is test pass?		·	
	No: Proce	ed to step 3		
	Yes : Proce	eed to step4		
		1 35 33 35 35 35 35 35 35 35 35 35 35 35		
	Step 3	Step ID 1815c	SRT	
	Repair or replace	component		
	 Repair or replace the component, also check for electrical connection and wiring harness. 			
	Reconnect the connector			
	ON the ign	nition key		
	Use DAVIE to re-cl	heck for the presence of active f	aults:	
	Is DTC fau	It active: Proceed to step 4		
	Is DTC fau			
	Step 4	Step ID 1815d	SRT	
	For further assistance in diagnosing this issue or for confirmation prior to the			
	replacement of su	replacement of suspect components, contact the Engine Support Call Center at		
	1-800-477-0251.			
Verification Drive Cycle	To verify the repair			
· -	With the brakes set, turn the key to the ON position with the engine off, and allow 10		n with the engine off, and allow 10	
	seconds for the system to initialize and run diagnostics.			
	With the brakes set, start the engine and allow it to run at idle for 2 minutes.			
			Back to Choose Code	
			Back to Index	

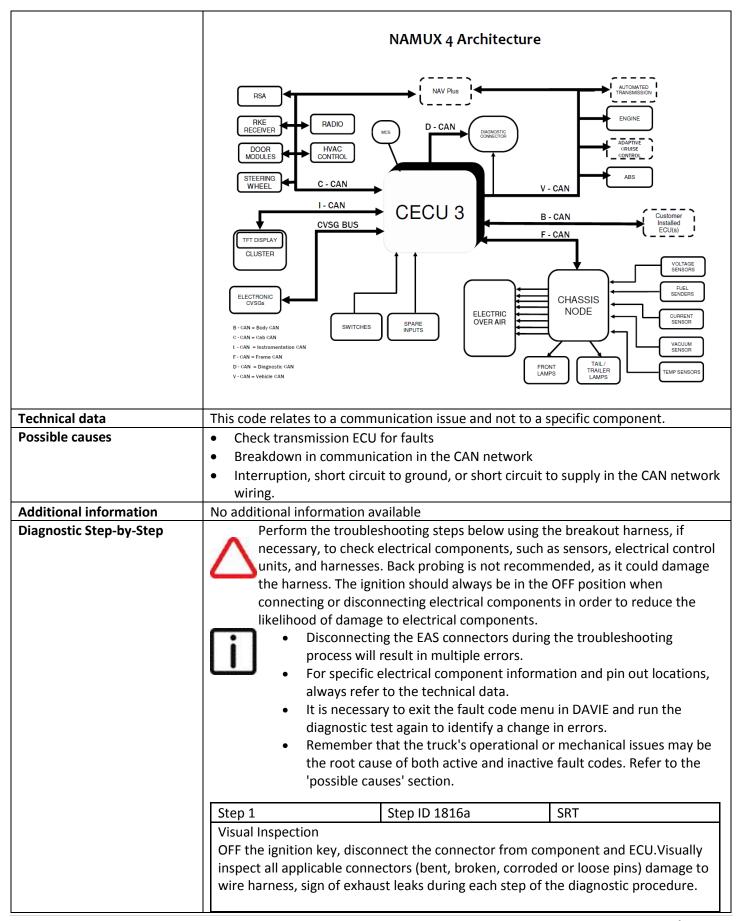


Code number	U1816		
Fault code description	CAN communication - Message (EBC2) out of range - Relative speed; front axle, right		
	wheel from brake system		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN ABS CIUSTERING WHEEL LAMPS Diagnostic CAN FIREWALL AFTERING ABS CIUSTERING ABS CONNECTOR PACCAR Display Vol.TAGE SENSORS FIREWALL FIREWALL FIREWALL FIREWALL After-treatment DCU VOL.TAGE SENSORS FUEL SENSORS FUEL SENSORS FARE INPUTS FRONT TAIL / TEMP SENSORS TEMP SENSORS TEMP SENSORS TEMP SENSORS		









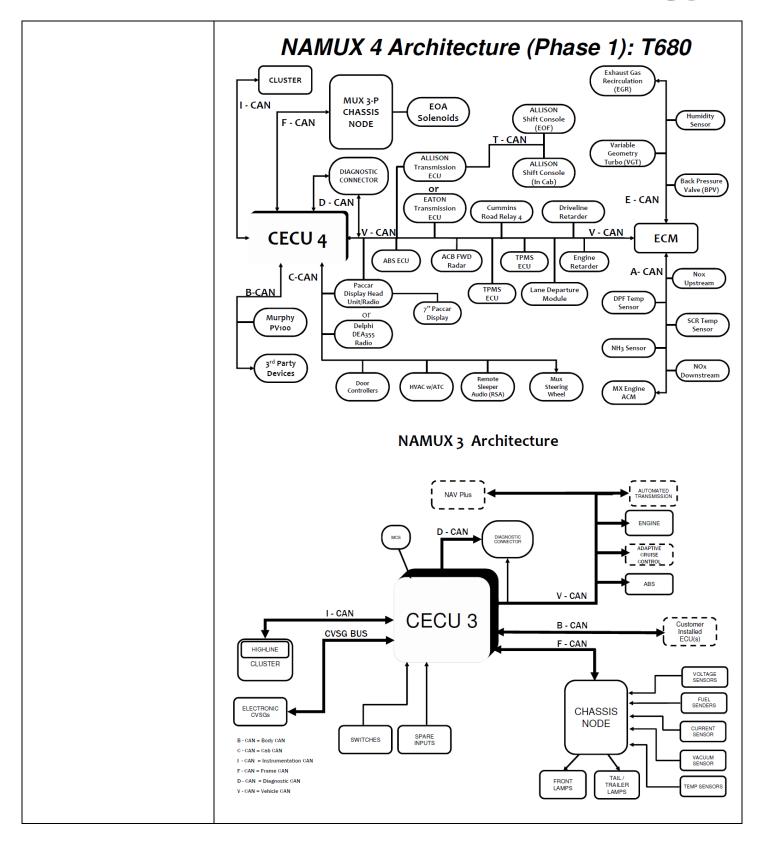


	Was there evidence	of any of the above?	1	
	Was there evidence of any of the above? • No: Proceed to step 2.			
		Yes: Make the appropriate repairs or component replacements.		
		Use DAVIE to re-check for the presence of active faults.		
	·			
		If this related fault is no longer active, then this issue has been resolved. If this related fault is no longer active, then this issue has been resolved.		
	If this relate	If this related fault is still active, Proceed to step 2		
	Cton 2			
	Data check	Step 2 Step ID 1816b SRT		
		Lookup the technical data of the specific system		
	-	-		
	Is test pass?	checking data test of the spe	ecine component	
	No: Proceed	I to sten 3		
	Yes : Procee			
	163.110000	α to 3tep4		
	Step 3 Step ID 1816c SRT			
	Repair or replace co	Repair or replace component		
	Repair or replace the component, also check for electrical connection and			
	wiring harness.			
	Reconnect t	Reconnect the connector		
	ON the ignition key			
	Use DAVIE to re-check for the presence of active faults:			
	Is DTC fault			
	Is DTC fault			
	Step 4	Step ID 1816d	SRT	
	For further assistance in diagnosing this issue or for confirmation prior to the			
	replacement of susp	ect components, contact the	Engine Support Call Center at	
	1-800-477-0251.			
Verification Drive Cycle	To verify the repair:	To verify the repair:		
		With the brakes set, turn the key to the ON position with the engine off, and allow 10		
	seconds for the system to initialize and run diagnostics			
	With the brakes set, start the engine and allow it to run at idle for 2 minutes.			
	Back to Choose Code			
			Back to Index	

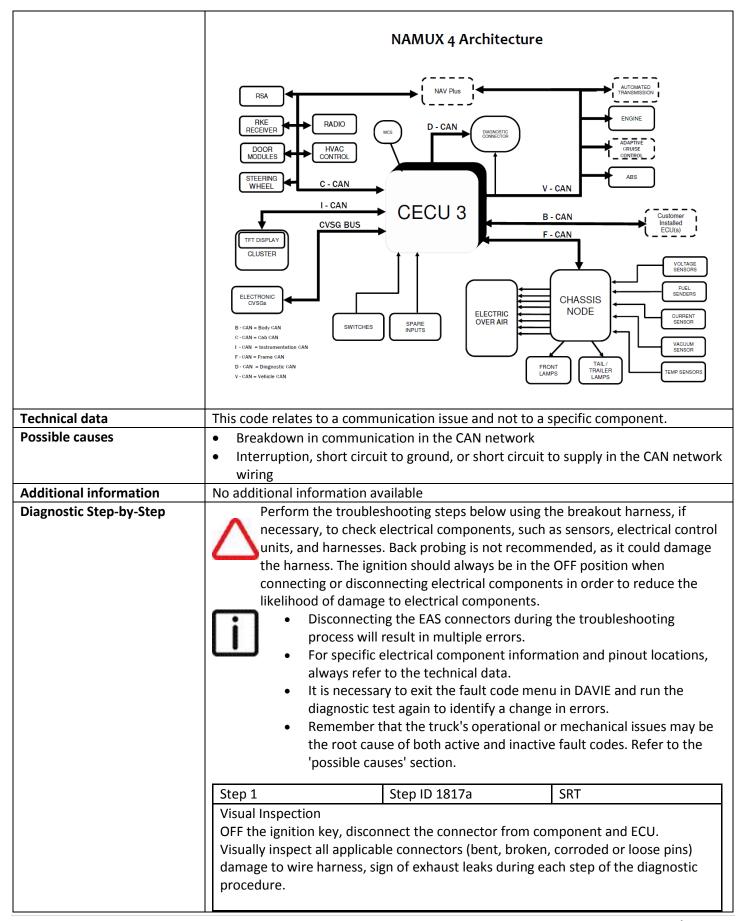


Code number	U1817		
Fault code description	CAN communication - Message (ETC1) not available - Transmission shift in process		
	from transmission system		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR DISPIBY Vehicle CAN Vehicle CAN FIREWALL CUSG'S SWITCHES Frame CAN FIREWALL FIREWALL FRONT TAIL TAIL TAIL TAIL TAIL TAIL TAIL TA		









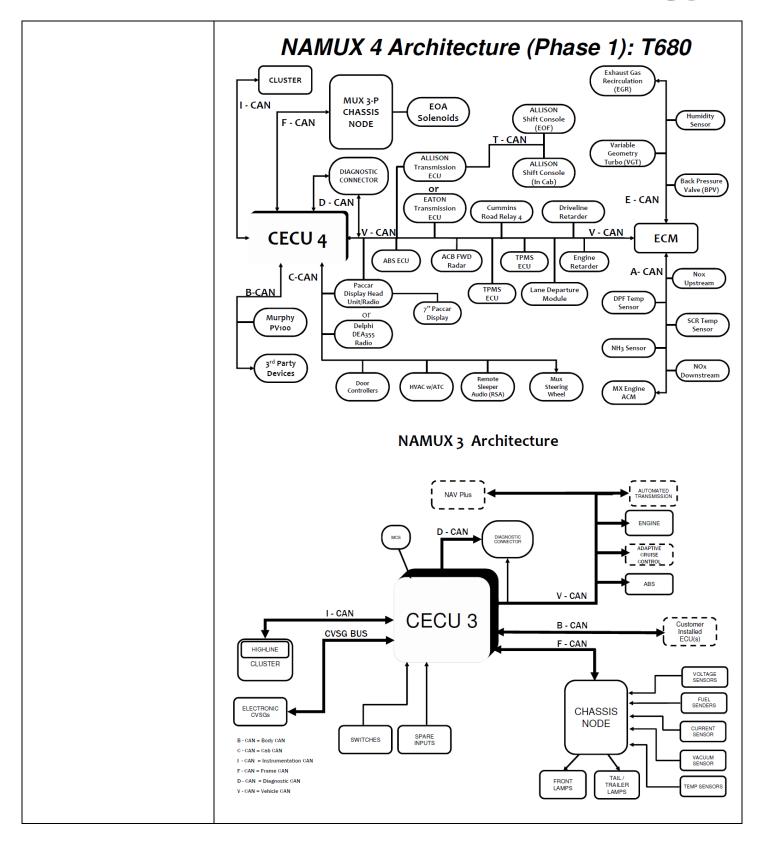


	Was there evidence of any of the above?			
	No: Proceed to step 2.			
	Yes: Make	Yes: Make the appropriate repairs or component replacements.		
	Use DAVIE to re-check for the presence of active faults.			
	If this related fault is no longer active, then this issue has been resolved.			
		ed fault is still active, Proceed		
		,		
	Step 2	Step 2 Step ID 1817b SRT		
	Data check			
	Lookup the	e technical data of the specific	system	
	Perform th	ne checking data test of the spe	ecific component	
	Is test pass?			
	No: Procee	ed to step 3		
	Yes : Proce	ed to step4		
	Step 3	Step ID 1817c	SRT	
	Repair or replace of	omponent		
	Repair or replace the component, also check for electrical connection and			
	wiring harness.			
	Reconnect the connector			
	ON the ignition key			
		Use DAVIE to re-check for the presence of active faults:		
	Is DTC faul	t active: Proceed to step 4		
	Is DTC fault inactive: Issue resolved. Clear inactive fault.			
	Step 4	Step ID 1817d	SRT	
	For further assistance in diagnosing this issue or for confirmation prior to the			
	replacement of suspect components, contact the Engine Support Call Center at			
	1-800-477-0251.			
Verification Drive Cycle	To verify the repair:			
	With the brakes set, turn the key to the ON position with the engine off, and allow 1 seconds for the system to initialize and run diagnostics			
	With the brakes set, start the engine and allow it to run at idle for 2 minutes			
	Back to Choose Code Back to Index			
			Duck to muck	

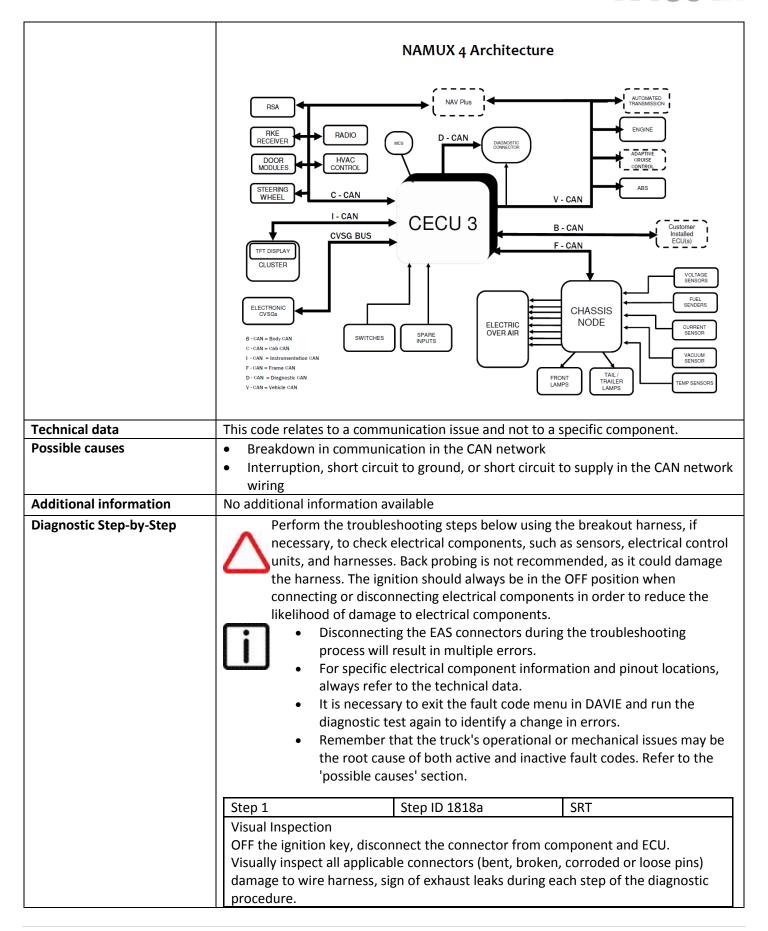


Code number	U1818		
Fault code description	CAN communication - Message (ETC1) out of range - Transmission shift in process		
	from transmission system		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN ITRANSMISSION WHEEL Cab CAN Diagnostic CAN UTRANSMISSION PACCAR Display FIREWALL After-treatment Connect Conne		









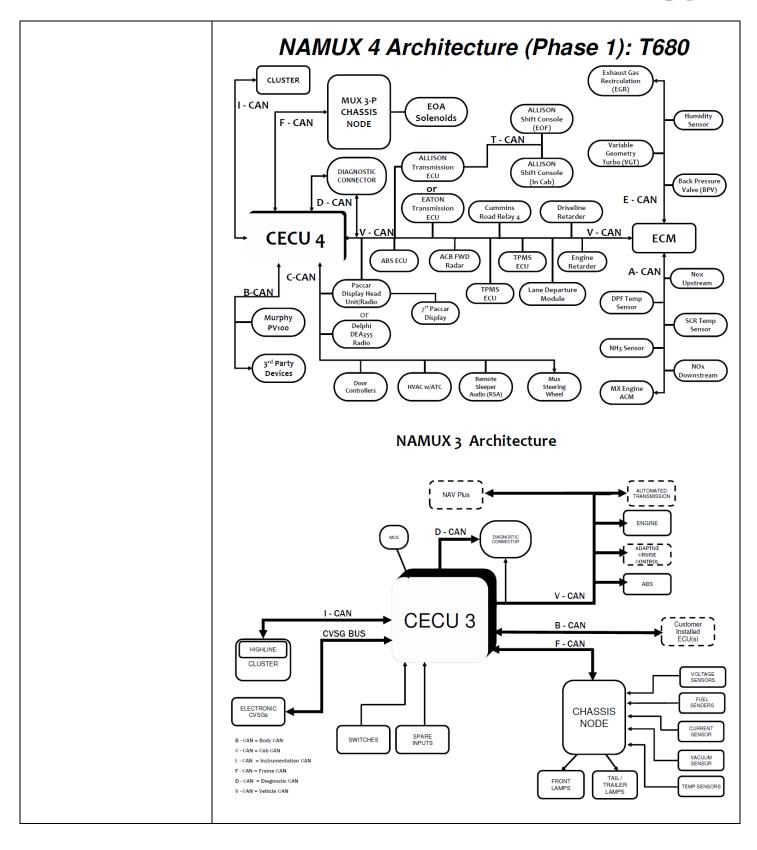


	Was there evidence of any of the above?			
	No: Proceed to step 2.			
		e the appropriate repairs or com		
	Use DAVIE to re-c	heck for the presence of active	faults.	
	 If this related fault is no longer active, then this issue has been res If this related fault is still active, Proceed to step 2 		en this issue has been resolved.	
			to step 2	
	Step 2	Step ID 1818b	SRT	
	Data check			
	 Lookup th 	e technical data of the specific	system	
	Perform t	he checking data test of the spe	ecific component	
	Is test pass?			
	No: Proce	ed to step 3		
	Yes : Proc	Yes : Proceed to step4		
	· ·			
	Step 3	Step ID 1818c	SRT	
	Repair or replace component			
	 Repair or replace the component, also check for electrical connection and wiring harness. 			
	Reconnect the connector			
	ON the ig	nition key		
	Use DAVIE to re-c	heck for the presence of active	faults:	
	Is DTC fau	It active: Proceed to step 4		
	Is DTC fau			
	Step 4	Step ID 1818d	SRT	
	For further assistance in diagnosing this issue or for confirmation prior to the			
		ispect components, contact the	·	
	1-800-477-0251.			
Verification Drive Cycle	To verify the repair	:		
	With the brakes set, turn the key to the ON position with the engine off, and allow 10		on with the engine off, and allow 10	
	seconds for the system to initialize and run diagnostics.			
	With the brakes set, start the engine and allow it to run at idle for 2 minutes.			
			Back to Choose Code	
			Back to Index	

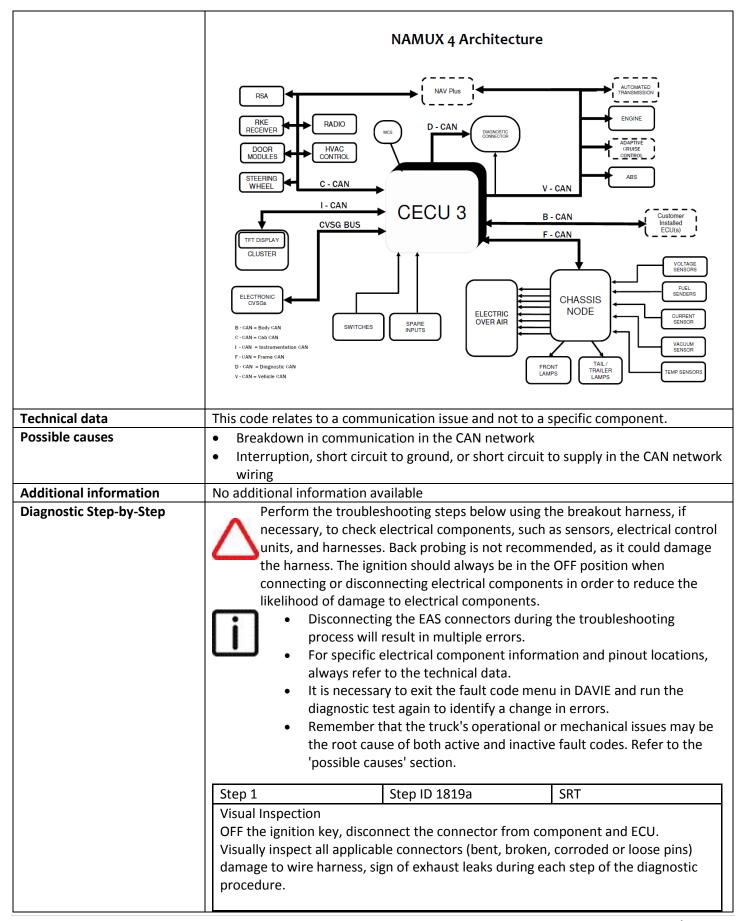


Code number	U1819		
Fault code description	CAN communication - Message (ETC1) not available - Engine momentary over speed		
	enable from transmission system		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR DISPIAY Vehicle CAN CVSG BUS CVSG BUS Frame CAN FIREWALL Aftertreatment CAN LENGINE LADATIVE CRUSSE LENGINE LADATIVE CRUSSE VOIT Actuator Vehicle CAN FUEL SENOGRS SENSORS SENSORS SENSORS SPARE INPUTS FRONT TAIL TEMP TEMP TEMP TEMP TEMP TEMP TEMP TEMP		











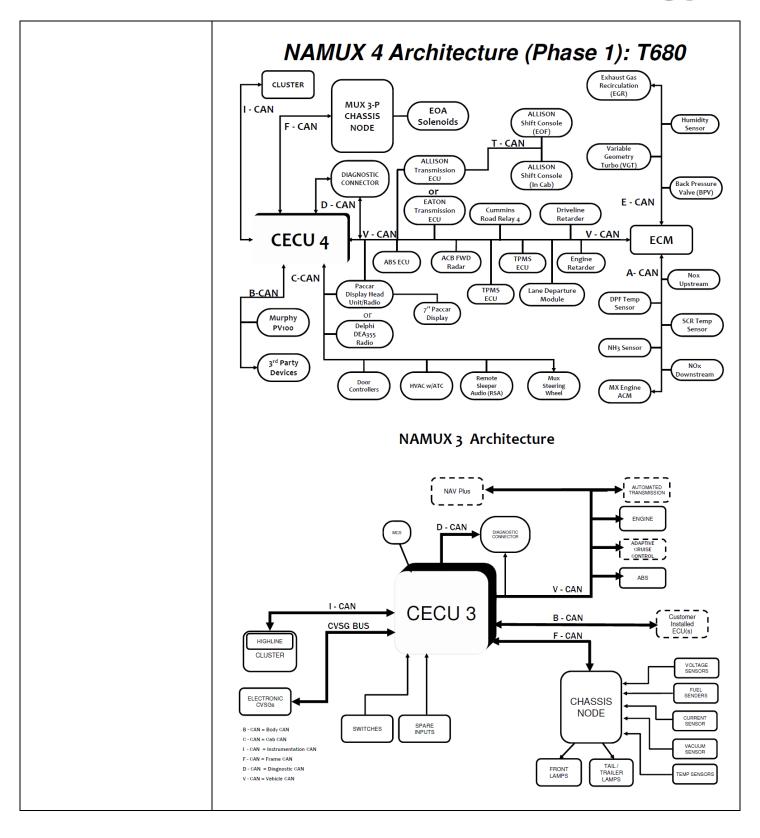
	Was there evidence of any of the above?		
	No: Proceed to step 2.		
	Yes: Make	the appropriate repairs or con	ponent replacements.
		neck for the presence of active	
	If this related fault is no longer active, then this issue has been resolved.		
	If this rela-	ted fault is still active, Proceed	to step 2
		·	
	Step 2	Step ID 1819b	SRT
	Data check	<u> </u>	•
	Lookup the	e technical data of the specific	system
		ne checking data test of the spe	-
	Is test pass?		·
	No: Procee	ed to step 3	
	Yes : Proce	eed to step4	
		·	
	Step 3	Step ID 1819c	SRT
	Repair or replace component Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults:		
	 Is DTC fau 	t active: Proceed to step 4	
	Is DTC fault inactive: Issue resolved. Clear inactive fault.		
	Step 4	Step ID 1819d	SRT
	For further assistance in diagnosing this issue or for confirmation prior to the		
		spect components, contact the	· · · · · · · · · · · · · · · · · · ·
	1-800-477-0251.		
Verification Drive Cycle	To verify the repair:		
	With the brakes set, turn the key to the ON position with the engine off, and allow 1 seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes.		n with the engine off, and allow 10
			stics.
	Back to Choose Code		
			Back to Index



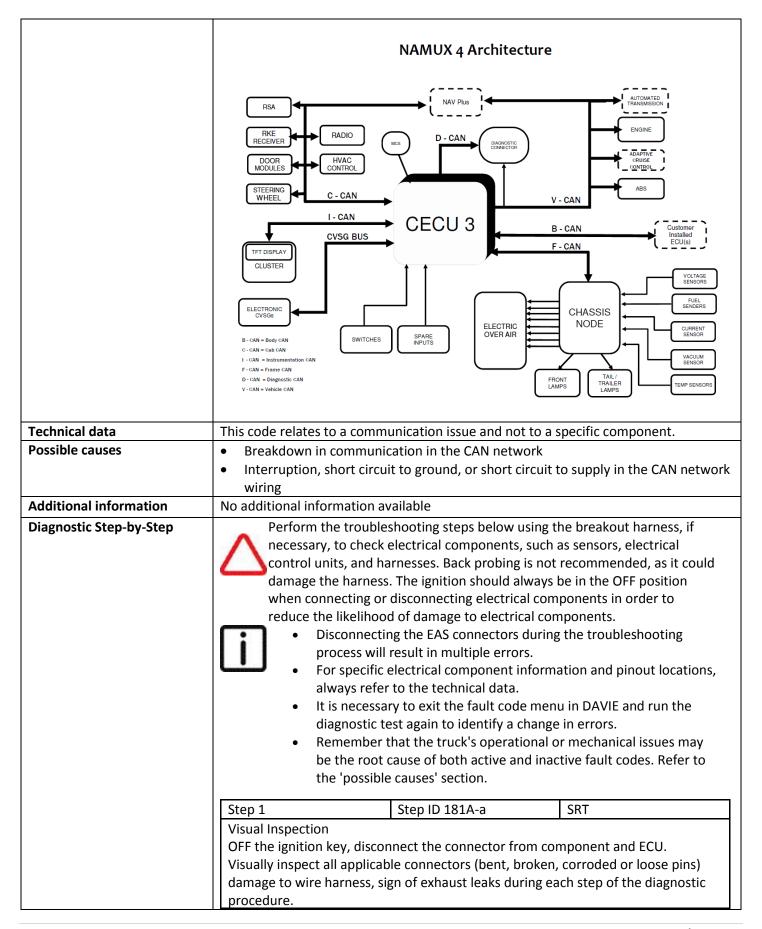
U181A

Code number	U181A		
Fault code description	CAN communication - Message (ETC1) out of range - Engine momentary over speed		
	enable from transmission system		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab		
	EIDEWALL Aftertrootment CAN		
	Diagnostic CAN		
	STEERING TRANSMISSION FINE ENGINE		
	WHEEL MCS ABS ABS CRUSE CRUSE		
	CONNECTOR PACCAR Engine CAN		
	Display		
	Cluster Cab CAN Actuator		
	Instrumentation CAN Vehicle CAN Vehicle CAN		
	CECU 3		
	CVSG BUS VOLTAGE SENSORS		
	TUEL SENDERS		
	ELECTRONIC CVSG's CURRENT		
	CHASSIS CHASSIS		
	SWITCHES Frame CAN NODE PRESSURE SENSORS		
	SPARE VACUUM STANDARY		
	SPARE INPUTS SENSOR		
	FRONT TAIL / TEMP SENSORS		
	FIREWALL LAMPS HAILER LAMPS		
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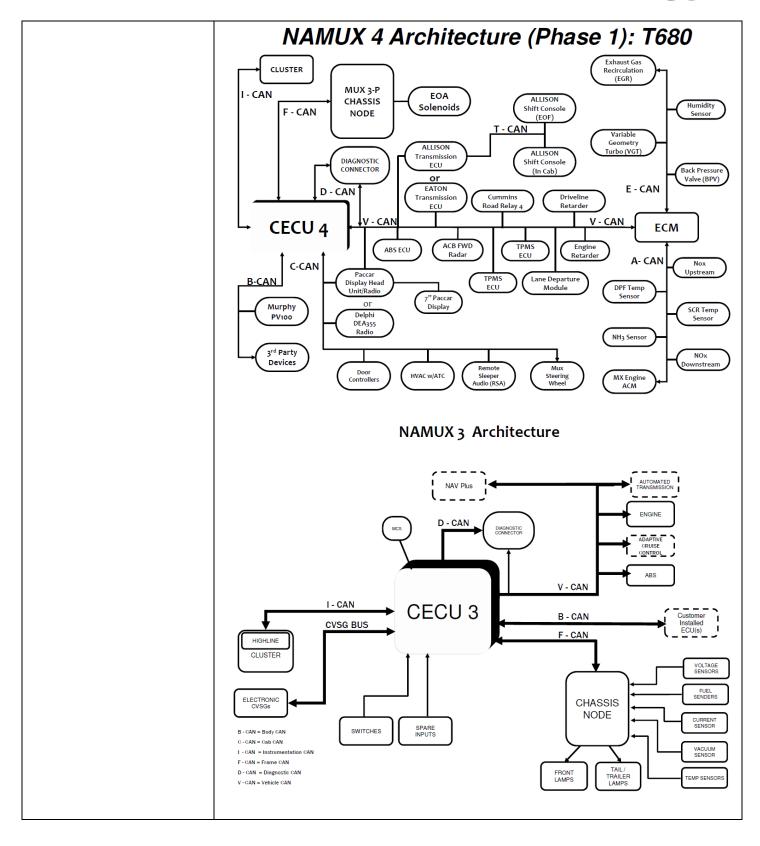
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	Was there evidence of any of the above?			
		1101 1 10000 to step =		
		i doi mand the appropriate repairs of domponent replacements.		
	Use DAVIE to re-check for the presence of active faults.			
		in this related radic to the leader active, then this issue that been reserved.		
	If this rela	ted fault is still active, Proceed to	o step 2	
	Step 2	Step ID 181A-b	SRT	
	Data check			
	 Lookup th 	e technical data of the specific s	ystem	
	Perform the second the secon	ne checking data test of the spec	cific component	
	Is test pass?			
	No: Procee	ed to step 3		
	Yes : Proce	eed to step4		
		,		
	Step 3 Step ID 181A-c SRT			
	Repair or replace of	component		
	Repair or replace the component, also check for electrical connection and			
	wiring harness.			
	Reconnect the connector			
		ON the ignition key		
		Use DAVIE to re-check for the presence of active faults:		
		Is DTC fault active: Proceed to step 4		
	Is DTC fau	It inactive: Issue resolved. Clear	inactive fault.	
	Step 4	Step ID 181A-d	SRT	
	For further assista	For further assistance in diagnosing this issue or for confirmation prior to the		
	replacement of suspect components, contact the Engine Support Call Center at 1-			
	800-477-0251.			
Verification Drive Cycle	To verify the repair:	:		
	With the brakes set, turn the key to the ON position with the engine off, and allow 10			
	seconds for the system to initialize and run diagnostics.			
	With the brakes set, start the engine and allow it to run at idle for 2 minutes.			
			Back to Choose Code	
			Back to Index	



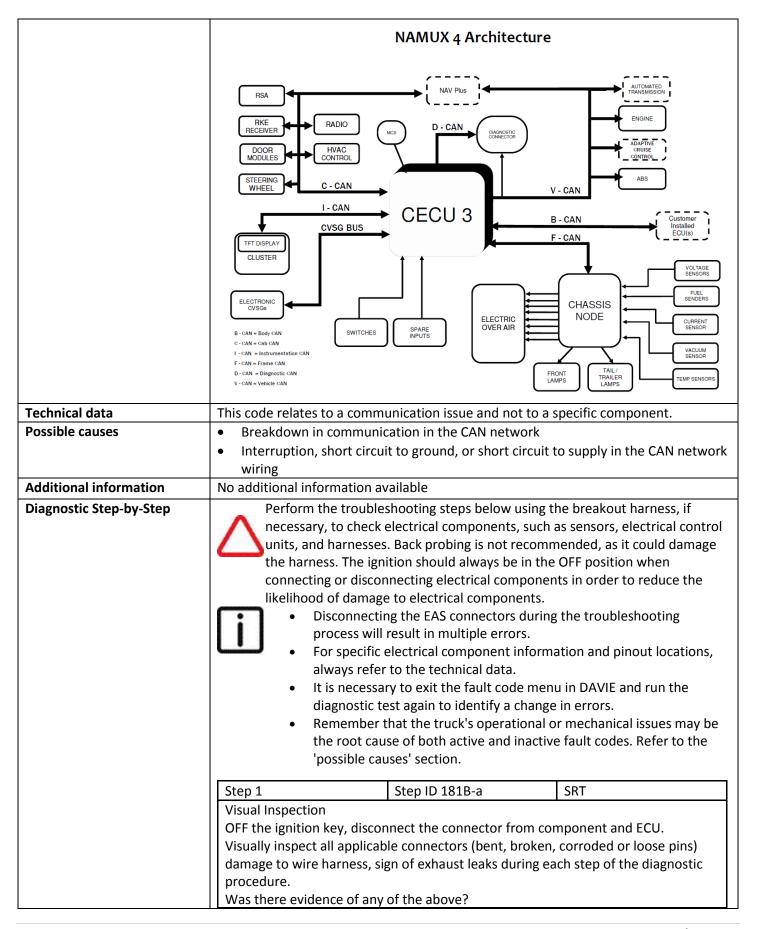
U181B

Code number	U181B		
Fault code description	CAN communication - Message (ETC1) not available - Progressive shift disable from		
	transmission system		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN ABS DIAGNOSTIC CONNECTOR PACCAR DISPIBY CVSG BUS CVSG BUS Frame CAN FIREWALL Aftertreatment CAN LINGTITE ACCURATOR CONTROL FOR LINGTITE CONTROL CONNECTOR PACCAR DISPIBY CVSG BUS CVSG BUS CVSG BUS Frame CAN FRESSURE SENSORS SPARE INPUTS FRONT TAIL TEMP SENSORS FRESSURE FRESSURE FRONT TAIL TEMP SENSORS FRESSURE FRONT TAIL TEMP SENSORS FRESSURE FRESSURE FRESSURE FRESSURE FRESSURE FRONT TAIL TEMP SENSORS FRESSURE FR		











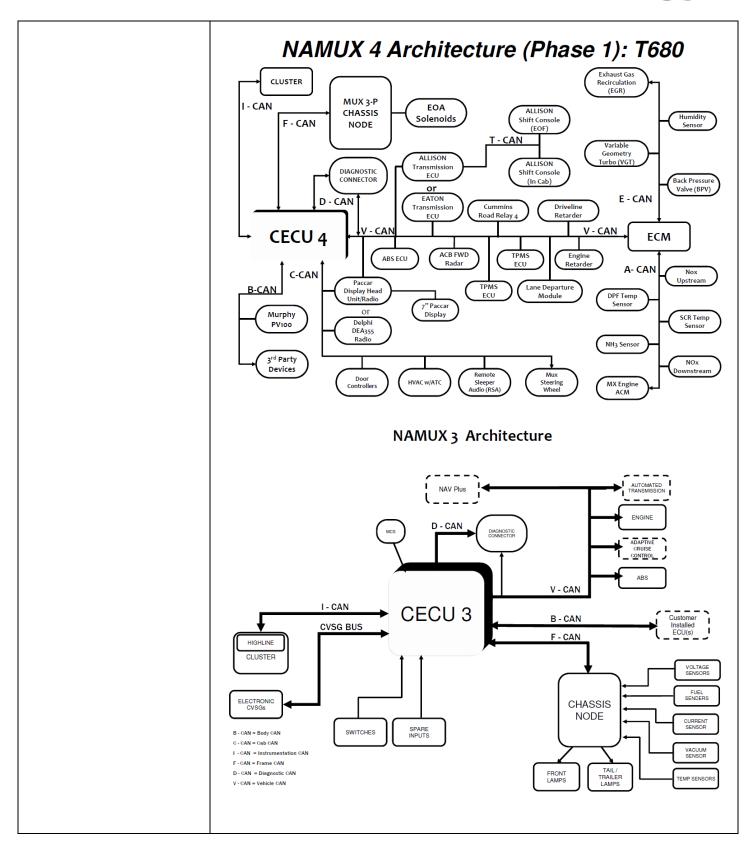
	TT		
		ed to step 2.	
	Yes: Make the appropriate repairs or component replacements.		
		eck for the presence of active f	
	 If this relat 	ed fault is no longer active, the	n this issue has been resolved.
	 If this relat 	ed fault is still active, Proceed t	o step 2
	Step 2	Step ID 181B-b	SRT
	Data check		
	 Lookup the 	e technical data of the specific s	system
		e checking data test of the spe	•
	Is test pass?		
	No: Procee	ed to step 3	
		eed to step4	
		·	
	Step 3	Step ID 181B-c	SRT
Repair or replace component			
	Repair or replace the component, also check for electrical connection and		
	wiring har		
		the connector	
	ON the ign	•	
	Use DAVIE to re-check for the presence of active faults: • Is DTC fault active: Proceed to step 4		
	Is DTC fault inactive: Issue resolved. Clear inactive fault.		
	Step 4	Step ID 181B-d	SRT
	For further assistar	nce in diagnosing this issue or fo	or confirmation prior to the
		spect components, contact the	Engine Support Call Center at 1-
	800-477-0251.		
Verification Drive Cycle	To verify the repair:		
		· · · · · · · · · · · · · · · · · · ·	n with the engine off, and allow 10
	<u> </u>	em to initialize and run diagnos	
	With the brakes set,	start the engine and allow it to	
			Back to Choose Code
			Back to Index



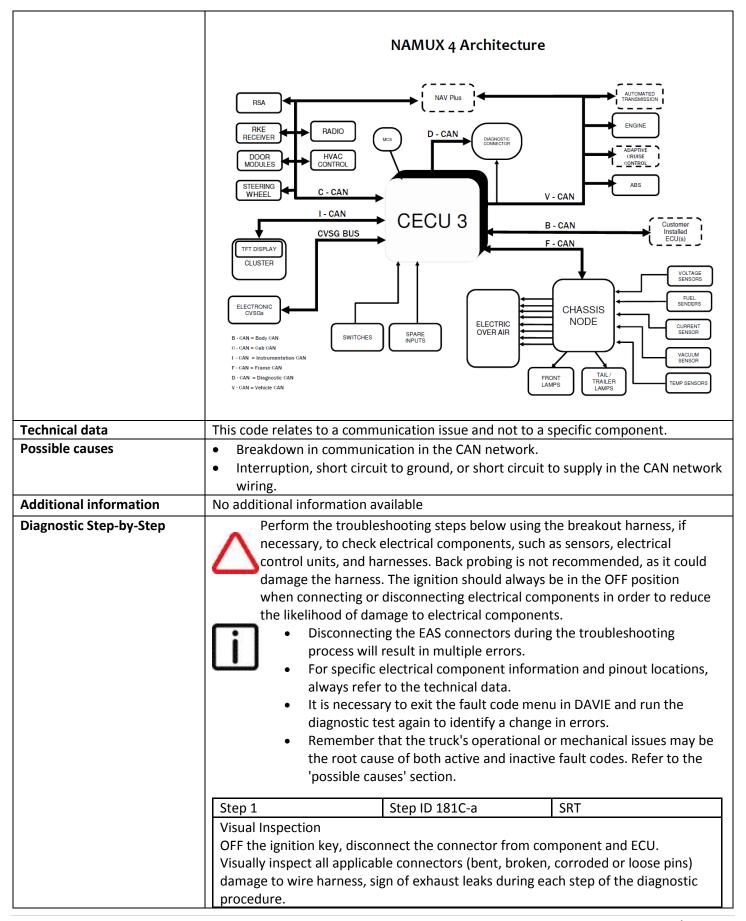
U181C

Code number	U181C		
Fault code description	CAN communication - Message (ETC1) out of range - Progressive shift disable from		
	transmission system		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN ABS DIAGNOSTIC CONNECTOR PACCAR DISPINATION CONNECTOR FIREWALL FRONT TAIL TEMP SENSORS FIREWALL FRONT TAIL TEMP SENSORS		











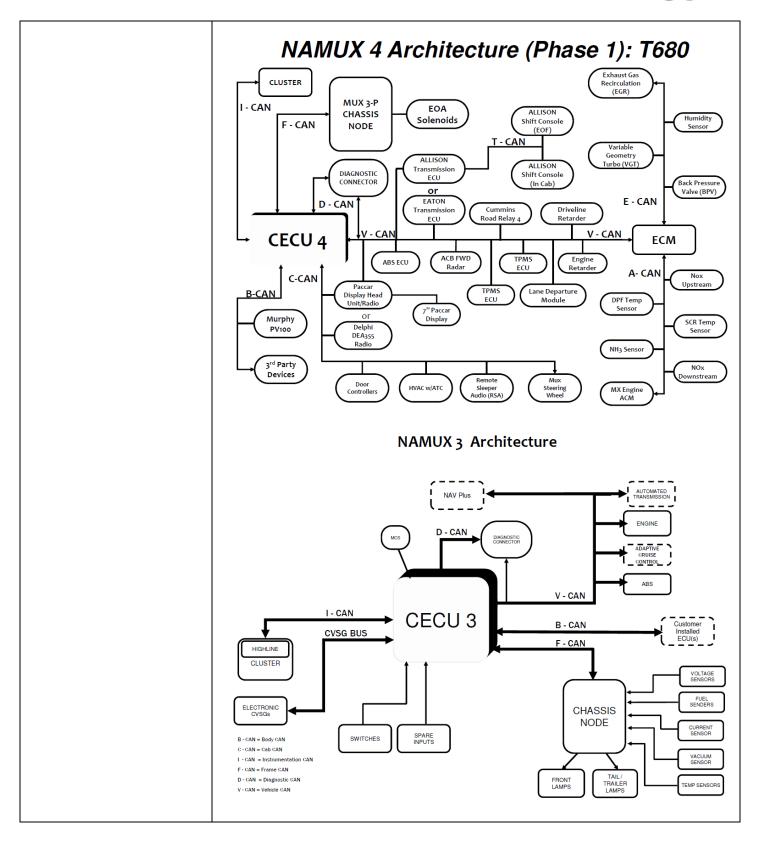
		ce of any of the above?	
	 No: Proceed to step 2. Yes: Make the appropriate repairs or component replacements. 		
		heck for the presence of active f	
		ted fault is no longer active, the	
	If this rela	ted fault is still active, Proceed t	to step 2
	St. 2	CL ID 404 C l	LCDT
	Step 2	Step ID 181C-b	SRT
	Data check		
	· ·	e technical data of the specific s	•
		he checking data test of the spe	cific component
	Is test pass?	ad to atom 2	
		ed to step 3	
	• Yes : Proc	eed to step4	
	Step 3	Step ID 181C-c	SRT
	Repair or replace	·	
		replace the component, also ch	eck for electrical connection and
		t the connector	
	ON the ign		
	Use DAVIE to re-check for the presence of active faults:		
	Is DTC fault active: Proceed to step 4		
	Is DTC fault inactive: Issue resolved. Clear inactive fault.		
	Step 4	Step ID 181C-d	SRT
	For further assista	nce in diagnosing this issue or fo	or confirmation prior to the
	replacement of su	spect components, contact the	Engine Support Call Center at 1-
	800-477-0251.		
Verification Drive Cycle	To verify the repair	:	
		· · · · · · · · · · · · · · · · · · ·	n with the engine off, and allow 10
	seconds for the system to initialize and run diagnostics.		
	With the brakes set	c, start the engine and allow it to	
			Back to Choose Code
			Back to Index



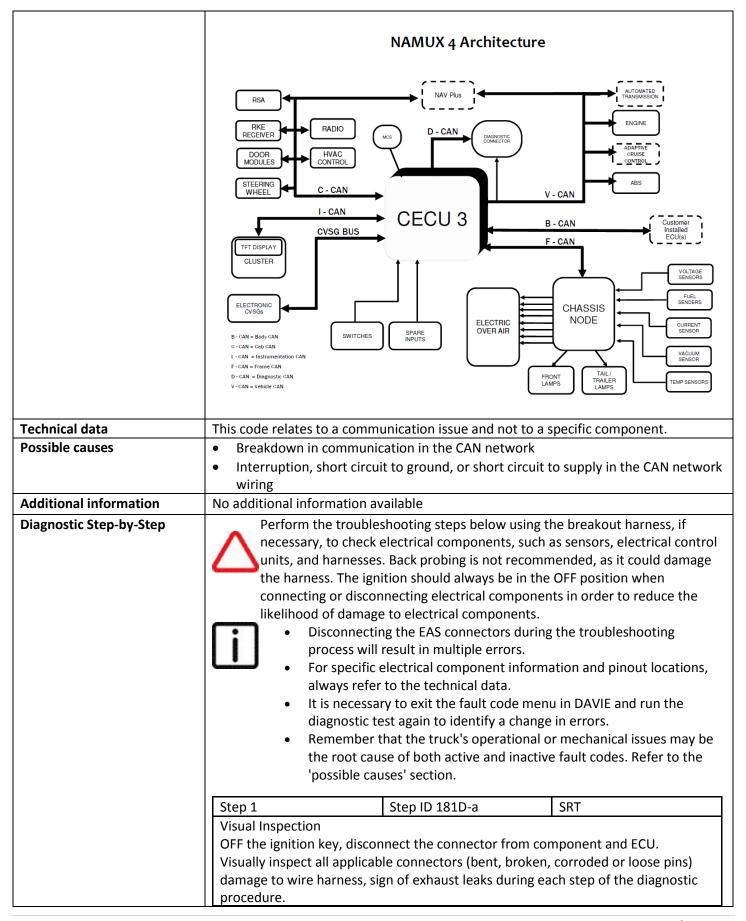
U181D

Code number	U181D		
Fault code description	CAN communication - Message (ETC7) not available - Transmission engine crank		
	enable from transmission system		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN STEERING WHEEL MCS Diagnostic CAN ITANISMISSION PACCAR Display PACCAR Display Vehicle CAN Vehicle CAN Vehicle CAN CVSG BUS ELECTRONIC CVSG BUS SWITCHES Frame CAN FRONT TAIL TEMP SENSORS FRESURE SENSORS FRESURE SENSORS FRESURE SENSORS FREWALL FRONT TAIL TEMP SENSORS TEMP TAIL TEMP SENSORS		











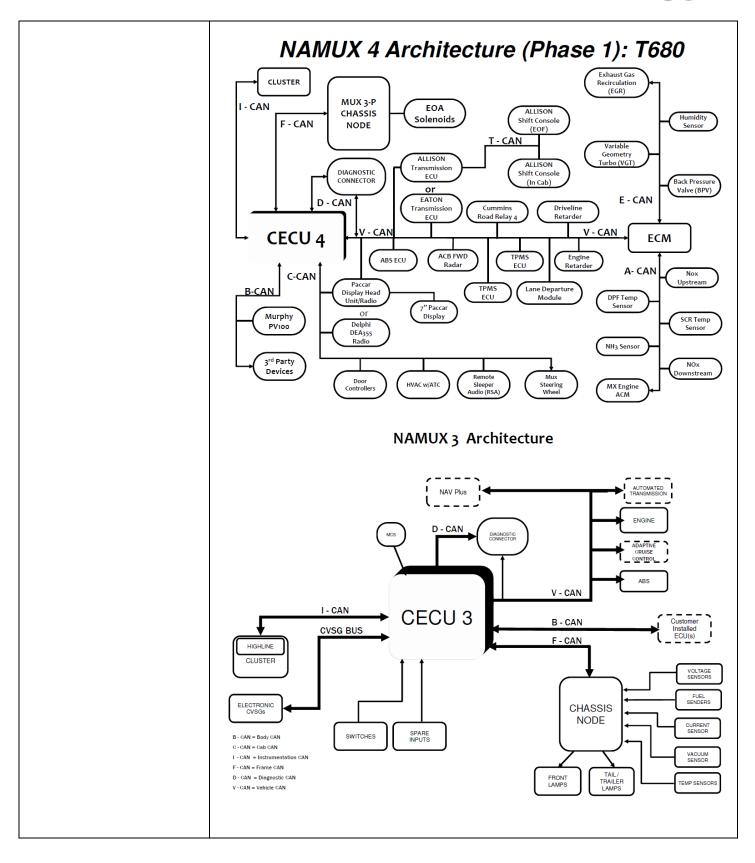
	Was there evidence	of any of the above?	
	No: Proceed to step 2.		
	Yes: Make the appropriate repairs or component replacements.		
		eck for the presence of active	
		•	en this issue has been resolved.
		ed fault is still active, Proceed	
	Step 2	Step ID 181D-b	SRT
	Data check		
	Lookup the	technical data of the specific	system
	Perform the checking data test of the specific component		
	Is test pass?		
	No: Proceed	d to step 3	
	Yes : Procee	ed to step4	
	Step 3	Step ID 181D-c	SRT
	Repair or replace co	omponent	
	Repair or replace the component, also check for electrical connection and		
	wiring harn		
	Reconnect	the connector	
	ON the igni		
	Use DAVIE to re-check for the presence of active faults:		
	Is DTC fault active: Proceed to step 4		
	Is DTC fault	inactive: Issue resolved. Clear	inactive fault.
	Step 4	Step ID 181D-d	SRT
		ce in diagnosing this issue or f	•
	·	pect components, contact the	Engine Support Call Center at 1-
	800-477-0251.		
Verification Drive Cycle	To verify the repair:		
			n with the engine off, and allow 10
	-	m to initialize and run diagnos	
	With the brakes set,	start the engine and allow it to	
			Back to Choose Code
			Back to Index



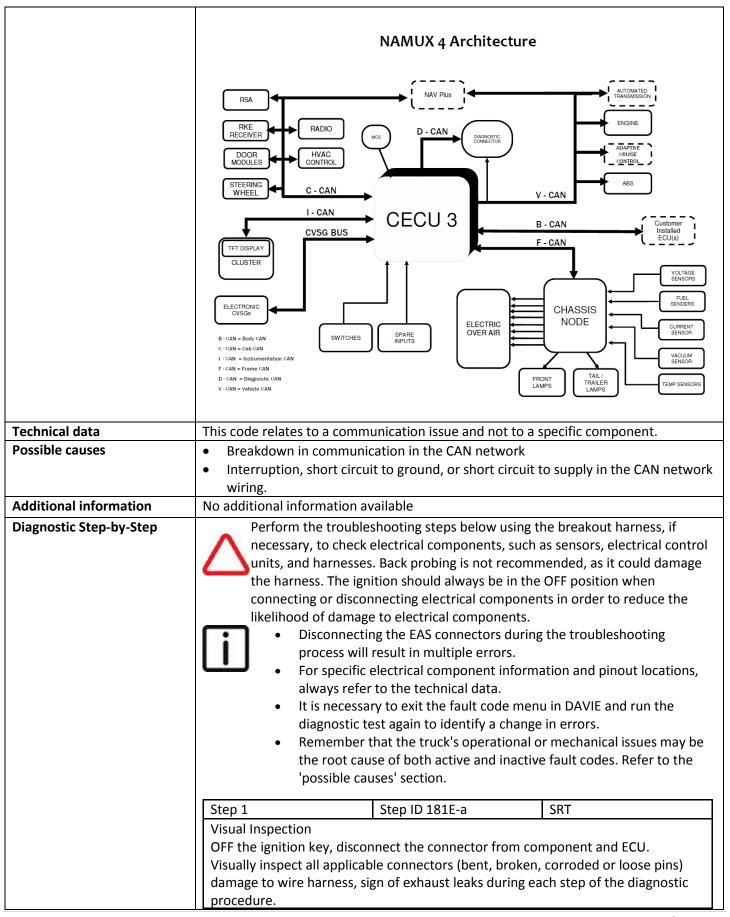
U181E

Code number	U181E		
Fault code description	CAN communication - Message (ETC7) out of range - Transmission engine crank		
	enable from transmission system		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR DISPIAY FORT CUSTAGE SENSORS FIREWALL Aftertreatment CAN FIREWALL Aftertreatment CAN FIREWALL Aftertreatment CAN CONNECTOR PACCAR DISPIAY CUSTAGE SENSORS FUEL SENSORS FRONT TAIL TAIL TEMP SENSORS FRONT TAIL TAIL TEMP SENSORS TEMP TAIL TAIL TEMP SENSORS		











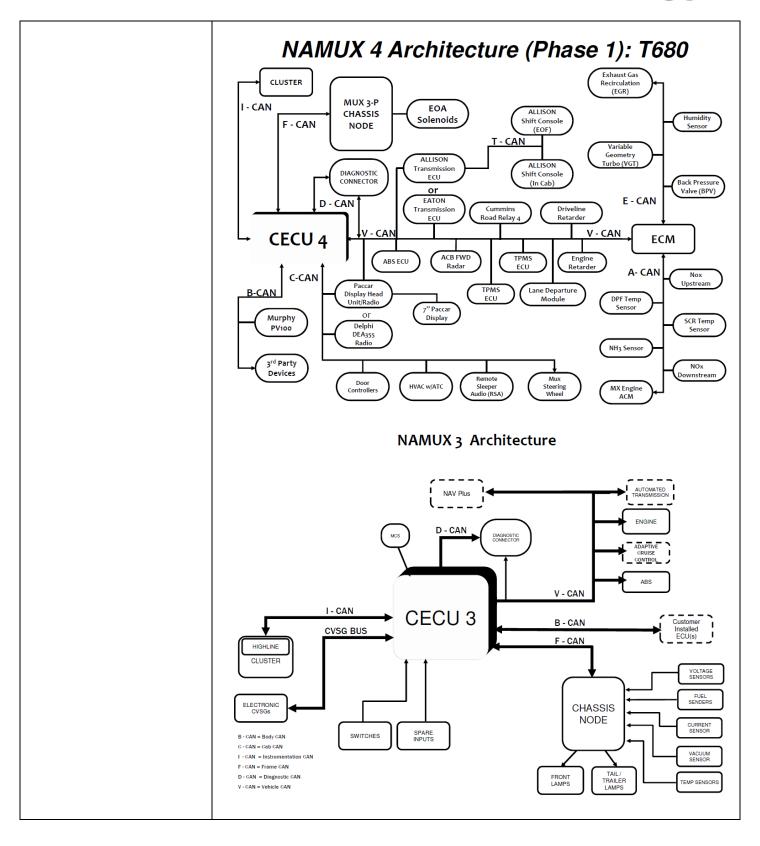
	 Was there evidence of any of the above? No: Proceed to step 2. Yes: Make the appropriate repairs or component replacements. 			
		ck for the presence of active f		
		_	n this issue has been resolved.	
	If this related fault is still active, Proceed to step 2			
	Step 2	Step ID 181E-b	SRT	
	Data check			
	 Lookup the technical data of the specific system Perform the checking data test of the specific component Is test pass? 			
	No: Proceed	to step 3		
	Yes : Procee	•		
	1001110000			
	Step 3	Step ID 181E-c	SRT	
	Repair or replace component			
	Repair or replace the component, also check for electrical connection and			
		wiring harness.		
	Reconnect the connector			
	ON the ignition key			
		ck for the presence of active fa	aulte	
		-	duits.	
	 Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. 			
	• IS DIC lault	mactive fault.		
	Step 4	Step ID 181E-d	SRT	
	For further assistance in diagnosing this issue or for confirmation prior to the			
	replacement of suspect components, contact the Engine Support Call Center at 1 800-477-0251.			
Verification Drive Cycle	To verify the repair:			
	With the brakes set, turn the key to the ON position with the engine off, and allow 10			
	seconds for the system to initialize and run diagnostics.			
	-	t, start the engine and allow it to run at idle for 2 minutes.		
	Back to Inde			
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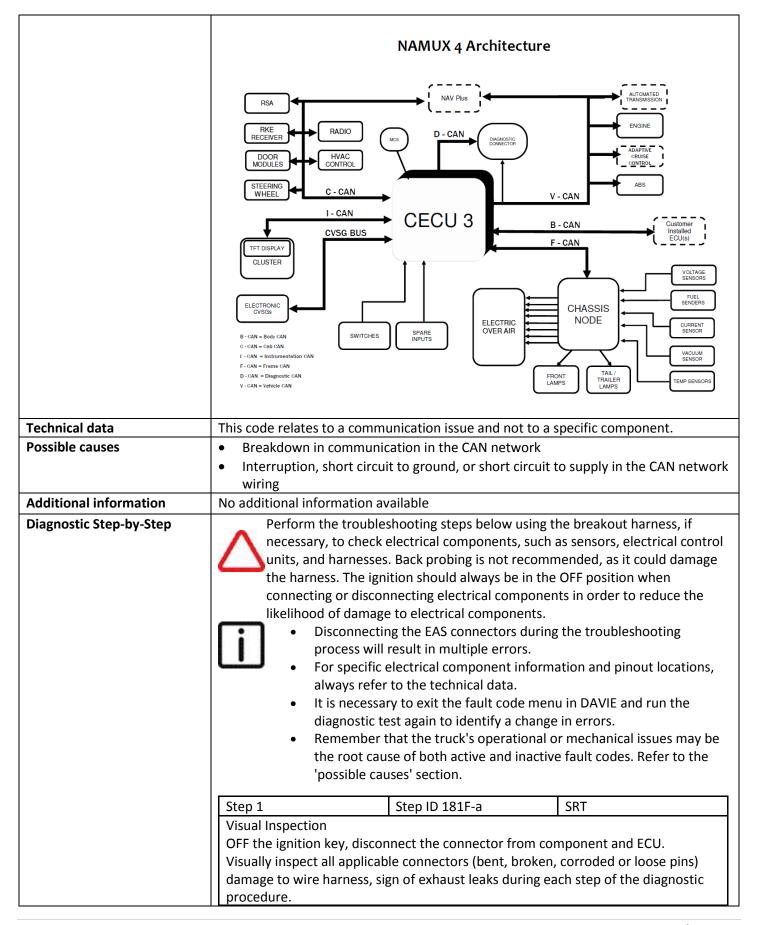
U181F

Code number	U181F		
Fault code description	CAN Communication – Message (PROPB_SW) out of range – Cruise control set plus		
	switch from steering wheel switches		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN Aftertreatment CAN ABS DIAGNOSTIC CONNECTOR PACCAR DISPISY Vehicle CAN Vehicle CAN Vehicle CAN STEERING WHEEL ONTER ABS Voltage SENSORS FUEL SENSORS SPARE INPUTS SPARE INPUTS FIREWALL FIREWALL FIREWALL FIREWALL FIREWALL Aftertreatment CAN AGRICULTAGE SENSORS VOLTAGE SENSORS FUEL SENSORS VACUUM SENSORS TAIL TAIL TAIL TAIL TEMP SENSORS		











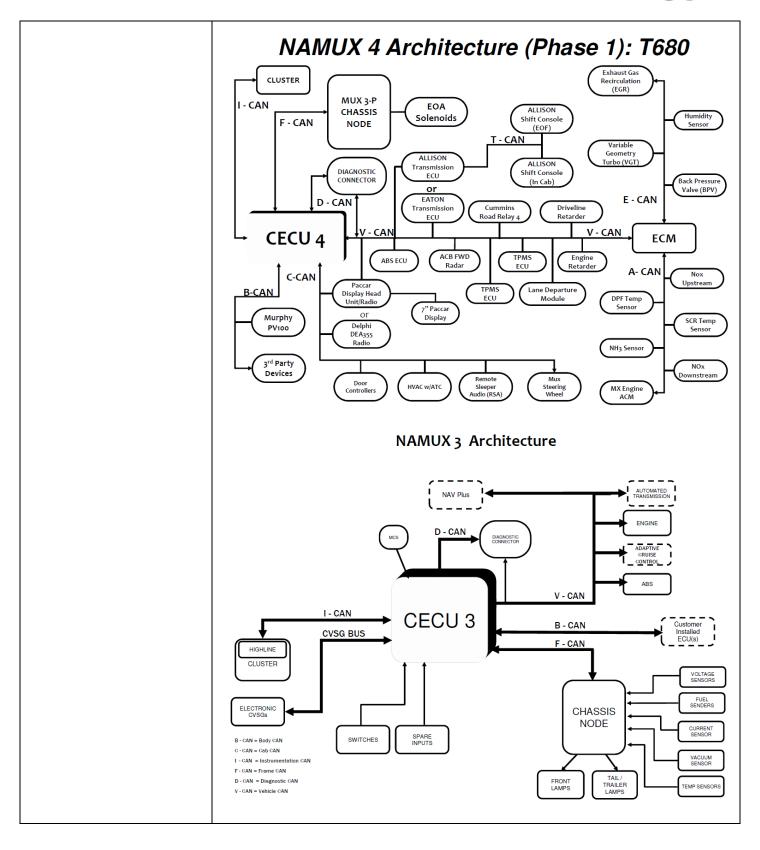
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		ce of any of the above?			
		ed to step 2.			
		Yes: Make the appropriate repairs or component replacements.			
		Use DAVIE to re-check for the presence of active faults.			
		in this related radio is the leavest desired, then this lead to the relations			
	If this rela	ited fault is still active, Proceed	to step 2		
	Step 2	Step ID 181F-b	SRT		
	Data check	3tep 10 1811 -0	31(1		
	Lookup the technical data of the specific system				
	· · · · · · · · · · · · · · · · · · ·	Perform the checking data test of the specific component			
	Is test pass?				
		No: Proceed to step 3			
		Yes : Proceed to step4			
		'			
	Step 3	Step ID 181F-c	SRT		
	Repair or replace	component			
	Repair or replace the component, also check for electrical connection				
	and wiring harness.				
	Reconnect the connector				
	ON the ignition key				
	Use DAVIE to re-check for the presence of active faults:				
	Is DTC fault active: Proceed to step 4				
	Is DTC fault inactive: Issue resolved. Clear inactive fault.				
	Step 4	Step ID 181F-d	SRT		
	For further assistance in diagnosing this issue or for confirmation prior to the				
	replacement of suspect components, contact the Engine Support Call Cent 1-800-477-0251.				
Verification Drive Cycle	To verify the repair:				
		With the brakes set, turn the key to the ON position with the engine off, and allow 10			
	seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes. Back to Choose Coo				
			Back to Index		



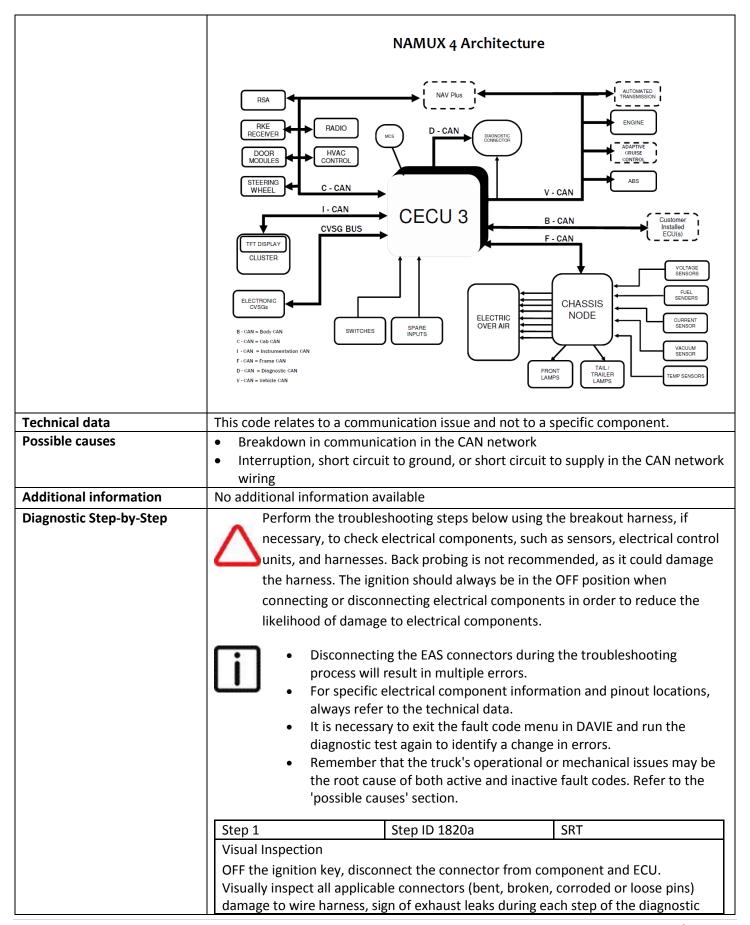
U1820

Code number	U1820		
Fault code description	CAN Communication – Message (PROPB_SW) out of range – Cruise control resume		
	min switch from steering wheel switches		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	NAMUX 3 Architecture: 2010 B-Cab FIREWALL Aftertreatment CAN Diagnostic CAN WHEEL Cab CAN DIAGNOSTIC CONNECTOR PACCAR Display Vehicle CAN Vehicle CAN Vehicle CAN Vehicle CAN Frame CAN Frame CAN Frame CAN FRAME SENSOR SENSOR SPARE INPUTS FIREWALL FRONT TAIL TEMP SENSOR		











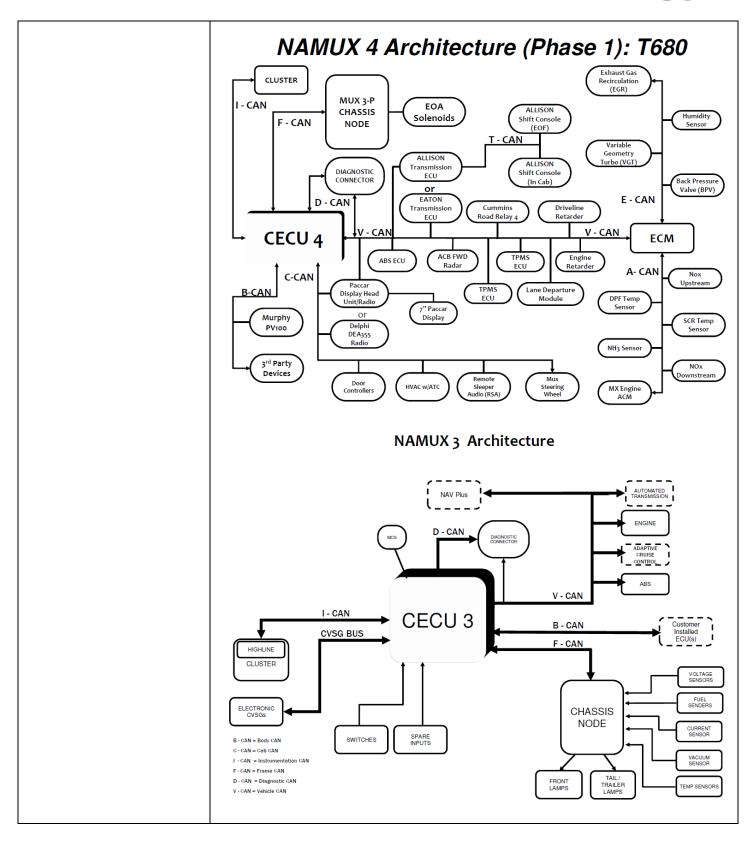
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	procedure.			
	Was there evidence of any of the above?			
	No: Proceed to step 2.			
	Yes: Make the appropriate repairs or component replacements.			
	Use DAVIE to re-check for the presence of active faults.			
	If this related fault is no longer active, then this issue has been resolved.			
	If this related fault is still active, Proceed to step 2			
	Step 2	Step ID 1820b	SRT	
	Data check	•	<u> </u>	
	 Lookup the technical data of the specific system Perform the checking data test of the specific component Is test pass? 			
	No: Procee	d to step 3		
	• Yes : Proceed to step4			
	Step 3	Step ID 1820c	SRT	
	Repair or replace co	· · · · · · · · · · · · · · · · · · ·	Ţ GIV.	
	Repair or replace the component, also check for electrical connection and wiring harness.			
	Reconnect the connector			
	 ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 			
	Is DTC fault	Is DTC fault inactive: Issue resolved. Clear inactive fault.		
		<u> </u>		
	Step 4	Step ID 1820d	SRT	
	For further assistan	ce in diagnosing this issue or fo	or confirmation prior to the	
	replacement of suspect components, contact the Engine Support Call Center at			
	1-800-477-0251.			
Verification Drive Cycle	To verify the repair: With the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics.			
	With the brakes set, start the engine and allow it to run at idle for 2 minutes.			
	Back to Choose Code			
	Back to Index			



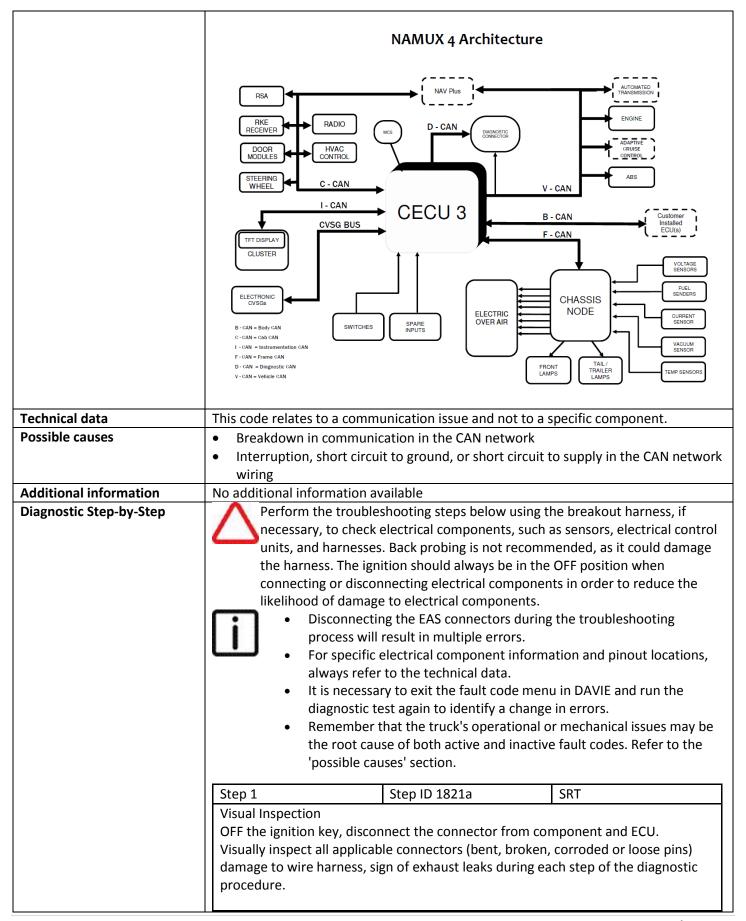
U1821

Code number	U1821		
Fault code description	CAN Communication – Message (PROPB_SW) out of range – Speed functions off		
	switch from steering wheel switches		
Fault code information	3 drive cycle recovery		
	Readiness group – None		
	Freeze frame type – Generic		
Description of component(s)	This code relates to a communication issue and not to a specific component.		
Location of component(s)	This code relates to a communication issue and not to a specific component.		
Diagnostic condition	This diagnostic runs continuously when the ignition is on.		
Set condition of fault code			
Reset condition of fault code	This DTC changes to inactive as soon as the error is no longer detected.		
Electrical diagram(s)			
	Diagnostic CAN STEERING WHEEL MCS DIAGNOSTIC CONNECTOR PACCAR Display Vehicle CAN Vehicle CAN Vehicle CAN CVSG BUS ELECTRONIC CVSG'S SWITCHES Frame CAN FRONT FRANKISSION, ENGINE COMPROL COMPROL COMPROL CONNECTOR Regine CAN VolTage SENSORS Frame CAN FRONT TAIL/ TEMP SENSORS FRONT TRAIL/ TRAIL/ TEMP SENSORS FRONT TRAIL/ TEMP SENSORS		











	Was there evidence of any of the above?			
	No: Proceed to step 2.			
	 Yes: Make the appropriate repairs or component replacements. Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, Proceed to step 2 			
	Step 2	Step ID 1821b	SRT	
	Data check			
	 Lookup the technical data of the specific system Perform the checking data test of the specific component Is test pass? No: Proceed to step 3 Yes: Proceed to step4 			
		•		
	Step 3	Step ID 1821c	SRT	
	Repair or replace component			
	 Repair or replace the component, also check for electrical connection and wiring harness. Reconnect the connector ON the ignition key Use DAVIE to re-check for the presence of active faults: Is DTC fault active: Proceed to step 4 Is DTC fault inactive: Issue resolved. Clear inactive fault. 			
	-			
	Step 4	Step ID 1821d	SRT	
	For further assistance in diagnosing this issue or for confirmation prior to the replacement of suspect components, contact the Engine Support Call Center at 1-800-477-0251.			
Verification Drive Cycle	To verify the repair	:		
	With the brakes set, turn the key to the ON position with the engine off, and allow 10 seconds for the system to initialize and run diagnostics. With the brakes set, start the engine and allow it to run at idle for 2 minutes.			
	Back to Choose Code			
	Back to Index			