

SS 722-WST 2022 49X ABA off Switch Instructions

Applicable Vehicles

49X vehicles with ABA (Active Brake Assist) switch function built prior to 11/10/20

Symptoms

No ability to turn off the ABA system.

Issue

Incorrect programming parameters in the ICUC were not allowing the ABA to be turned off.

Solution

See attached instructions for DL update to parameters:

Labels :

49X

Add tags

Attachments





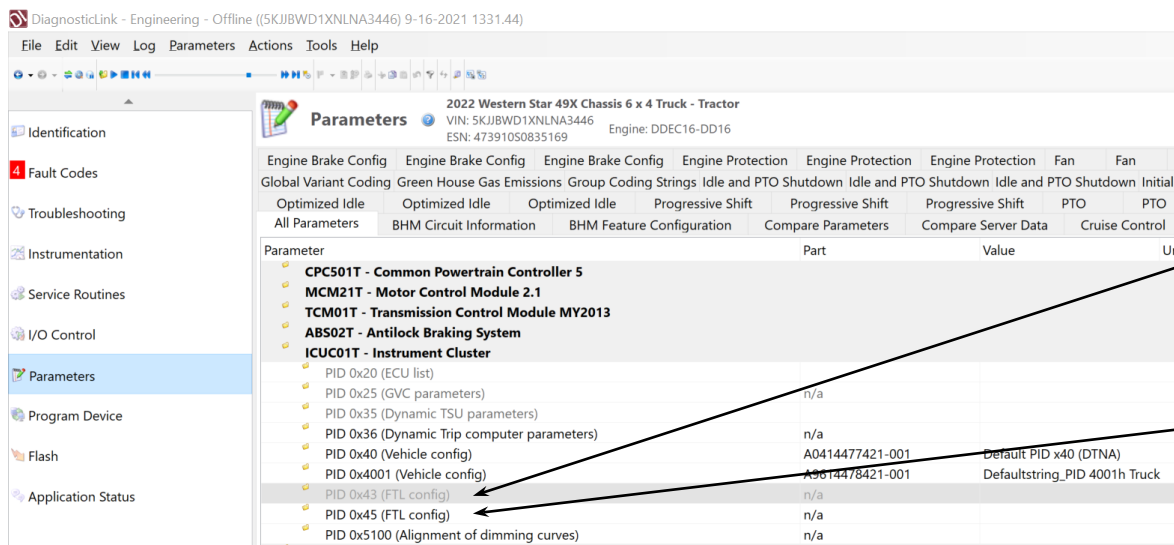
Comment



Enable ABA Off Switch Instructions

Step 01. Confirm the following parameters are enabled

Connect DiagnosticLink to the vehicle ICUC01T controller



ICUC Parameter Set			
ICU Parameter Description	Unit	Value	PN
PID 0x43 (FTL Config)			
paramDASMenu	-	available	A0414479721-001
paramDASMenuHysteresis	-	available	A0414470121-001
PID 0x45 (FTL Config)			
paramABASStartup	-	available	A0444474621-001

PID 0x43 (FTL config)	n/a		
paramSpeedSource	n/a	ENGINE	
paramEcoRoll	A0404479421-001	not available	
paramIdleSpeed	A0404479721-001	available	
paramDASMenu	n/a	available	✓
paramDASMenuHysteresis	A0414470121-001	available	✓

PID 0x45 (FTL config)	n/a		
paramDiagVar9E	n/a	0	
paramABASStartup	A0444474621-001	available	✓

Note: If above listed parameters are not enabled, please enabled them as directed

Enable ABA Off Switch Instructions

Step 02. Enable the parameters for ABA off switch

Connect DiagnosticLink to the vehicle ICUC01T and VRDU02T controllers

Parameter	Part	Value
CPC501T - Common Powertrain Controller 5		
MCM21T - Motor Control Module 2.1		
TCM01T - Transmission Control Module MY2013		
ABS02T - Antilock Braking System		
ICUC01T - Instrument Cluster		
PID 0x20 (ECU list)		
PID 0x25 (GVC parameters)	n/a	
PID 0x35 (Dynamic TSU parameters)		
PID 0x36 (Dynamic Trip computer parameters)	n/a	
PID 0x40 (Vehicle config)	A0414477421-001	Default PID x40 (DTN
PID 0x4001 (Vehicle config)	A9614478421-001	Defaultstring_PID 40C
PID 0x43 (FTL config)	n/a	
PID 0x45 (FTL config)	n/a	
paramABAMenu	A0444474421-001	available ✓
paramDiagVar9E	n/a	0
paramABAShutdown	A0444474621-001	available

ICUC Parameter Set			
ICU Parameter Description	Unit	Value	PN
PID 0x45 (FTL Config)			
paramABAMenu	-	available	A0444474421-001

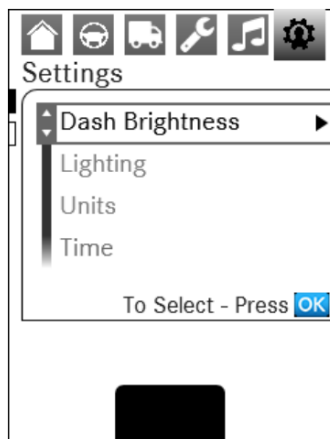
Parameter	Part	Value	Units
MS01T - Maintenance System			
XMC02T - Extension Module Cabin			
VRDU02T - Video Radar Decision Unit 2			
Brake suppression	A0004476151-001	Full Braking	
ECU Parameter	A0034473351-001	Defaultstring ECU Parameter since R1803	
Function ABA	A0034472351-001	Default ABA no switch DTNA, ABA3	
no aba switch installed	A0014478151-001	Softkey ABA Switch installed ✓	
no kickdown switch installed	A0024478351-001	Kickdown Switch only in W...	

VRDU Parameter Set			
VRDU Parameter Description	Unit	Value	PN
Function ABA			
no_aba_switch_installed	-	Softkey ABA Switch installed	A0014478151-001

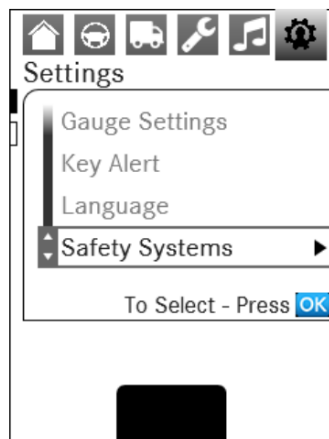
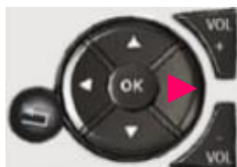
Enable ABA Off Switch Instructions

Step 03. Verify Functionality for ABA off switch

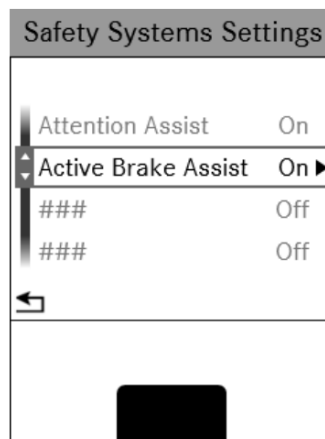
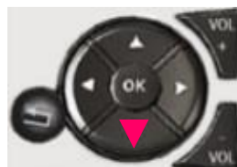
After the ICUC and VRDU parameter changes, under Safety System Settings the ABA off switch will be available. See pictures below:



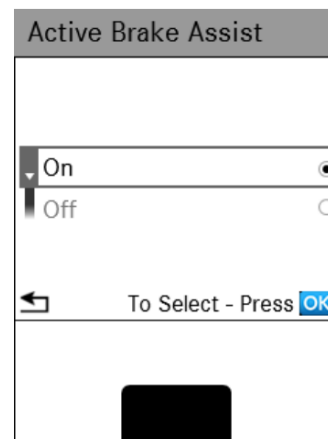
User navigates to the Settings Menu.



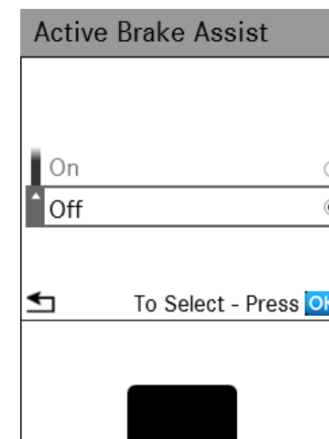
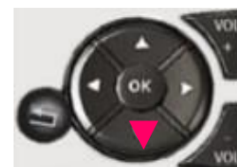
User navigates to the "Safety Systems" list item



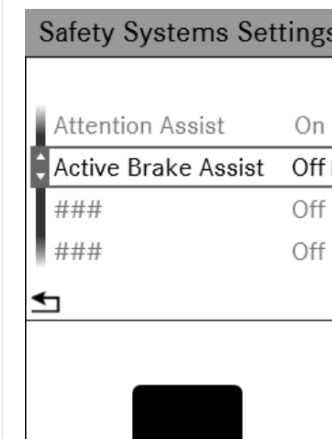
User navigates through the menu to Active Brake Assist.



User chooses to enable or disable Active Brake Assist.



User navigates to desired selection and confirms with the "OK" button



User returns to Safety Systems settings with their indicated option updated.