



Trail Turn Assist Soft Switch Function Specification

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Date Frozen/Released: 25-Nov-2019 13:32
VSEM ID & Revision: 676539– C
VSEM Status: Frozen

VSEM Status:	Frozen	GIS1 Item Number:	02.05 / C+3
Date Issued:	25-Nov-2019 13:32	GIS2 Classification:	Proprietary
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1. Trail Turn Assist Soft Switch Reaction to Driver Actuation		(REQ-359369/C)
Requirement Status:	Frozen	
Test Requirement:	TST-REQ-325854/B-Trail Turn Assist Basic Function Verification Method	
Applicable to:	150102 - Center Stack Display	
Notes:	TrnAsstSwch_D_Stat to be defined in GSDB	
Acceptance Criteria:	IF (Driver_Presses_TTA_Switch) THEN TurnAsstSwch_D_Stat = PRESSED[0x1]; ELSIF TurnAsstSwch_D_Stat = NOT_PRESSED[0x0]; ENDIF	
Last Change:		
Last modified:	25-Nov-2019 13:24	
Rationale:	Define behavior of TTA soft switch signal with regards to Driver actuation	
Purpose:		
Requirement Text:		
If the driver presses the Trail Turn Assist soft switch, the soft switch ECU shall transmit CAN signal TurnAsstSwch_D_Stat equals PRESSED[0x1] as long as the driver presses the soft switch.		
If the driver does not press the Trail Turn Assist soft switch, the soft switch ECU shall transmit CAN signal TurnAsstSwch_D_Stat equals NotPressed[0x0] as long as the driver does not press the soft switch.		



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2. Trail Turn Assist Soft Switch Position for Driver Indication		(REQ-359370/B)
Requirement Status:	Frozen	
Test Requirement:	TST-REQ-325854/B-Trail Turn Assist Basic Function Verification Method	
Applicable to:	150102 - Center Stack Display	
Notes:		
Acceptance Criteria:	IF [(OrtaSwrchLamp_B_Rq = ON[0x1])] THEN TTA_Soft_Switch_Positon = ON; ELSIF TTA_Soft_Switch_Position = OFF; ENDIF	
Last Change:		
Last modified:	26-Jul-2019 14:11	
Rationale:	Define behavior of TTA soft switch with regards to feature state	
Purpose:		
Requirement Text:		
The soft switch ECU shall show the Trail Turn Assist switch position in the display according to CAN signal OrtaSwrchLamp_B_Rq . If OrtaSwrchLamp_B_Rq equals OFF[0x0] the switch position shall be in OFF (0) position. If OrtaSwrchLamp_B_Rq equals On[0x1] the switch position shall be in ON(1) position.		



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3. Trail Turn Assist Soft Switch ECU Failure Modes and Indication

(REQ-359327/C)

Requirement Status:	Frozen
Test Requirement:	
Applicable to:	150102 - Center Stack Display
Notes:	TrnAsstSwch_D_Stat to be defined in the GSDB
Acceptance Criteria:	<pre>IF (APIM_FAULT == TRUE) THEN TurnAsstSwch_D_Stat = FAULTY[0x3]; APIM_DTC = TRUE; ENDIF IF ((Ignition_Status == Run) && (OrtaSwchLamp_B_Rq == NotPresent)) FOR (5 seconds) THEN TurnAsstSwch_D_Stat = FAULTY[0x3]; APIM_LOST_COMM_WITH_ABS_DTC = TRUE; ENDIF</pre>
Last Change:	
Last modified:	25-Nov-2019 13:24
Rationale:	FMEM
Purpose:	

Requirement Text:

Anytime the soft switch ECU detects a failure with the soft switch display or its control, it shall set a DTC corresponding to the failure, according to the Center Stack Display Part II Specification, and transmit CAN signal **TurnAsstSwch_D_Stat** as FAULTY[0x3].

Anytime the vehicle's Ignition Status is Run and the soft switch ECU detects CAN signal **OrtaSwchLamp_B_Rq** missing for 5 consecutive seconds (5xRx cycle time), it shall set a DTC against the ABS module corresponding to the failure and transmit CAN signal **TurnAsstSwch_D_Stat** as FAULTY[0x3]. It shall also display the soft switch position OFF[0x0].

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