

FORD LDM Localization - 功能 #2600

Ford_SYSR : FS_REQ0079_V2 Self-Test Frame

2024-10-24 20:10 - 玉洁 金

状态:	新建	开始日期:	2024-10-29
优先级:	普通	计划完成日期:	2025-03-31
指派给:	永琪 徐	% 完成:	0%
类别:		预期时间:	0.00 小时
目标版本:	H005_SW0007169.A003.2	耗时:	0.00 小时

描述

This diagnostic LF/RF_EEL_LoadTest frame includes a cycle all load test. This test allows the definition of an activation sequence of the various loads for detecting fault indications in the LDM Status message with a single diagnostics request. This is an LDM internal test to accomplish a result similar to the Vehicle Operations tests, without external measurements.

Refer to BCM \$2061 Enhanced Exterior Lighting Slave Learn Routine.

Signal LDM Prod / Serv Req (BCM LIN Bus)					Power LDM				0x1E	
					Signal Extra LDM / FCM (EX_EEL_)*				0x0B	
					Signal LDM (LF_EEL_)				0x13	
					Signal LDM (RF_EEL_)				0x1B	
					Signal LDM (LR_EEL_)*				0x23	
					Signal LDM (RR_EEL_)*				0x2B	
M/S	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0	ID	
M	P1	P0	ID5	ID4	ID3	ID2	ID1	ID0	See Table Above	Byte
M	Unused	Unused	(xx_EEL_) LearnVfwd		(xx_EEL_) LoadTest					Data 1
M	Unused	Unused	Unused	Unused	Unused	Unused	Unused	Unused		Data 2
M	Unused	Unused	Unused	Unused	Unused	Unused	Unused	Unused		Data 3
M	Unused	Unused	Unused	Unused	Unused	Unused	Unused	Unused		Data 4
M	Unused	Unused	Unused	Unused	Unused	Unused	Unused	Unused		Data 5
M	Unused	Unused	Unused	Unused	Unused	Unused	Unused	Unused		Data 6
M	Unused	Unused	Unused	Unused	Unused	Unused	Unused	Unused		Data 7
M	Unused	Unused	Unused	Unused	Unused	Unused	Unused	Unused		Data 8

1. Not supported / required for these Modules
2. xx_EEL_ is the signal prefixed used in the BCM to separate the signals to each LDM. Right Front - RF_EEL_LearnVfwd as an example.

Table 47: Self-Test Command Frame

Data name	Data description	Min Value	Max Value	Unit	Resolution	Size	Comment
(xx_EEL_) LearnVfwd	0x0 - Null 0x1 - LearnInternal 0x2 - LearnExternal 0x3 - LearnAll	0	3	-	1	2	
(xx_EEL_) LoadTest	0x0 - Null 0x1 - CycleAll	0	15	-	1	4	

Table 48: Self-Test Command Frame Signal Description
NOTE: xx_EEL_LearnVfwd is not in the scope of this LDM.

子任务:	
功能 # 2909: Ford_SWER_0079_0001:Self Test command Frame	新建
功能 # 2910: Ford_SWER_0079_0002:Self-Test Command Frame Signal ...	新建
功能 # 3012: Ford_SWER_0079_0003:Software self-test function	新建

历史记录

#1 - 2024-10-25 10:54 - 涛 陆

未完成

#2 - 2024-11-05 21:59 - 斌 徐

- 目标版本从 H003_SW0007169.A001.8 变更为 H004_SW0007169.A002.0

#3 - 2024-11-26 14:21 - 斌 徐

- 目标版本从 H004_SW0007169.A002.0 变更为 H005_SW0007169.A003.0

- 父任务 已删除 (#2519)

#4 - 2025-02-25 09:19 - 涛 陆

- 目标版本从 H005_SW0007169.A003.0 变更为 H005_SW0007169.A003.2

目标版本改为A003.2

#5 - 2025-04-08 10:47 - 槐 杨

- 指派给从 槐 杨 变更为 永琪 徐

更新测试用例，完成测试

文件

clipboard-202410242010-ssq4t.png	31.2 KB	2024-10-24	玉洁 金
clipboard-202410242010-guc2u.png	8.71 KB	2024-10-24	玉洁 金