

**Delphi Electronics & Safety**

**Powertrain Gas Product Line**

**J1939 Software Test Report**

**For**

**Chery JD MT22.3 ETC**

**V1.1**

**Date: 20 January 2016**

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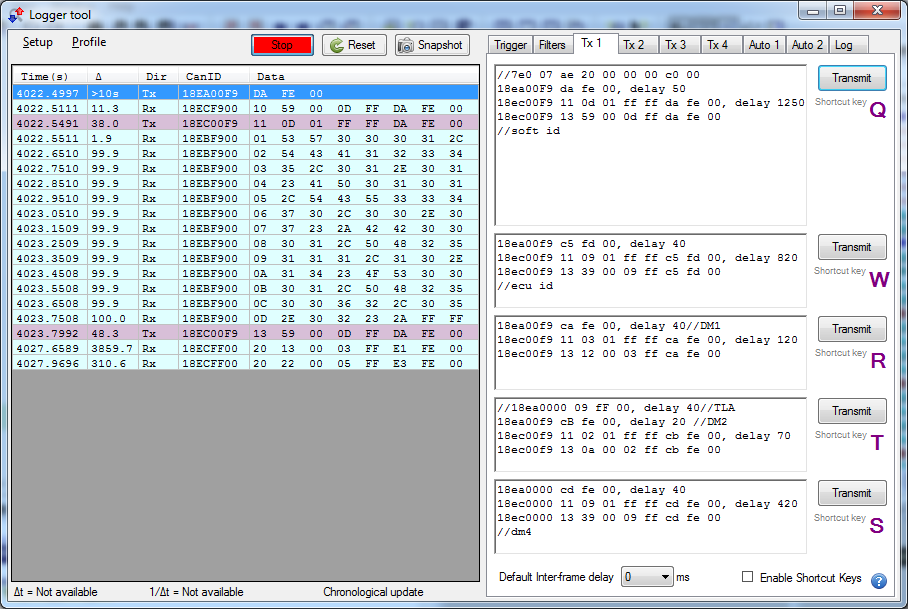
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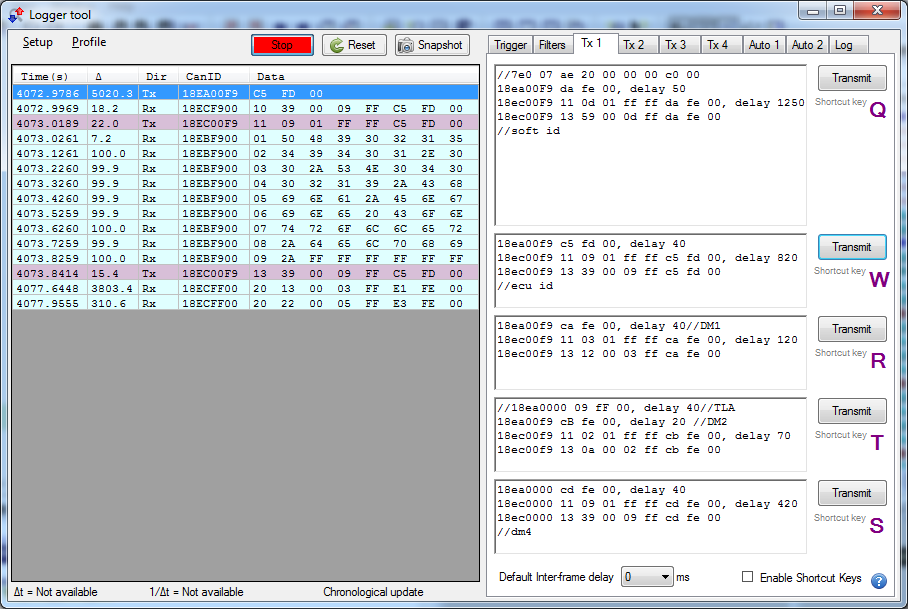
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# Soft ID



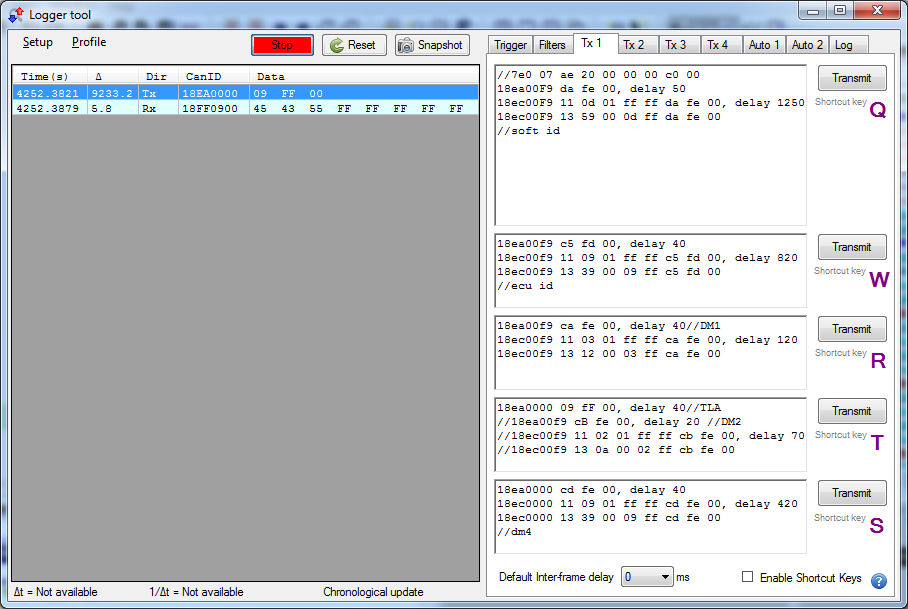
**SoftID**=”**SW0001,TCA12345,01.01#AP0101,TCU33470,00.07#\*BB0001,PH25111,10.14#OS0001,PH250062,05.02#\***”

# ECU ID



**ECU ID= “PH90215494,01.00\*SN0400219\*China\*Engine Controller\*delphi\*”**

# TLA



**TLA = “ECU”**

# Active Diagnostic Trouble Codes (DM1)

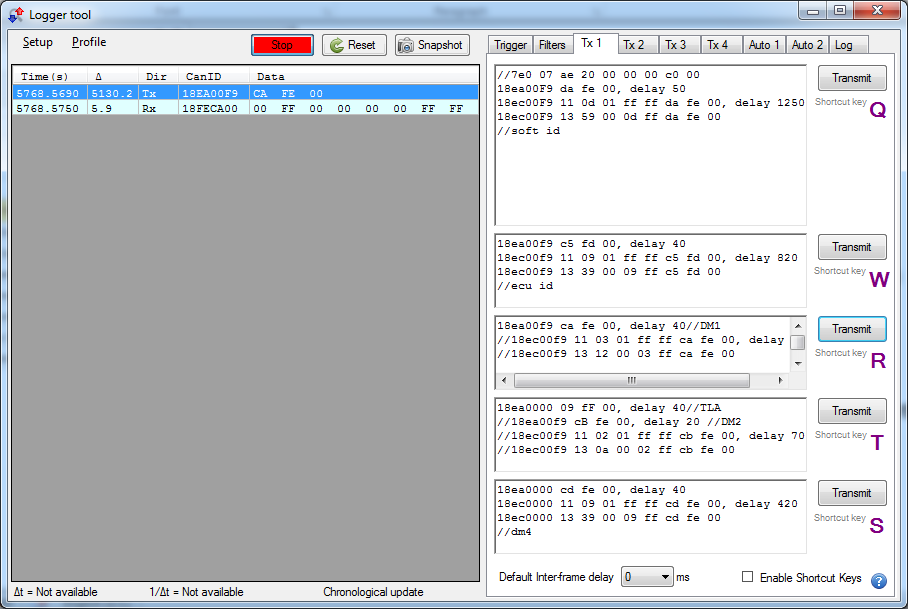
**Set J1939\_DM1\_Message[J1939\_DM1\_BUFFER\_SIZE] =**

**{ 0x00, 0xFF, 0x00, 0xFE, 0xCA, 0x00, 0x00, 0x97, 0x03, 0x8a, 0x00,**

**0x51, 0x63, 0x8a};**

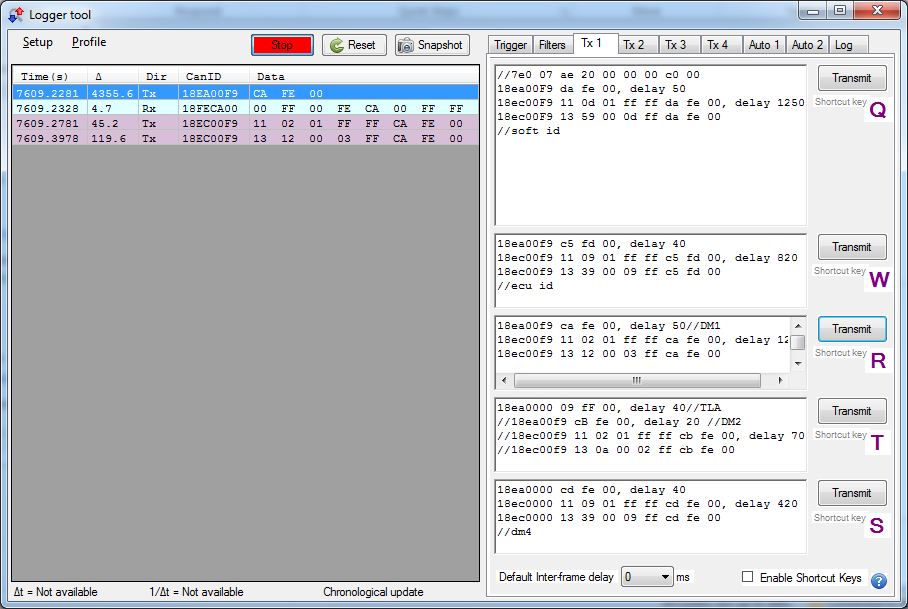
**Number of current DTC =0**

**Set J1939\_DM1\_DTCs=0**

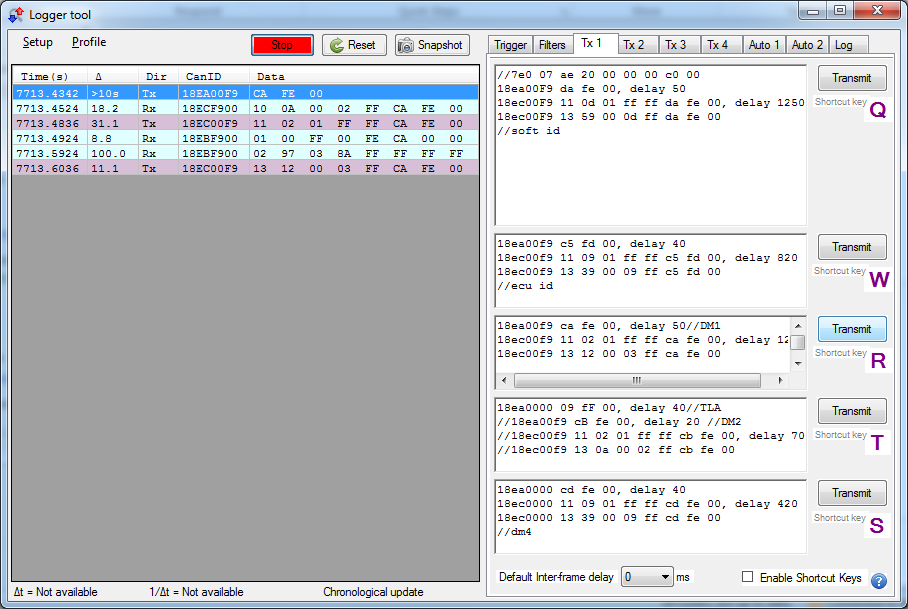


**Number of current DTC =1,2,3**

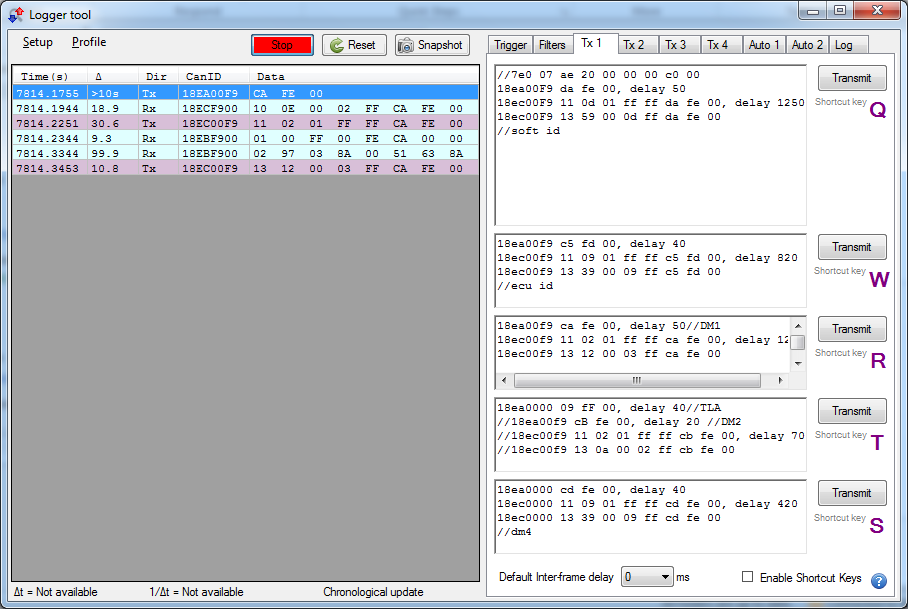
**Set J1939\_DM1\_DTCs=1**



**Set J1939\_DM1\_DTCs=2**



**Set J1939\_DM1\_DTCs=3**



# Previously Active Diagnostic Trouble Codes (DM2)

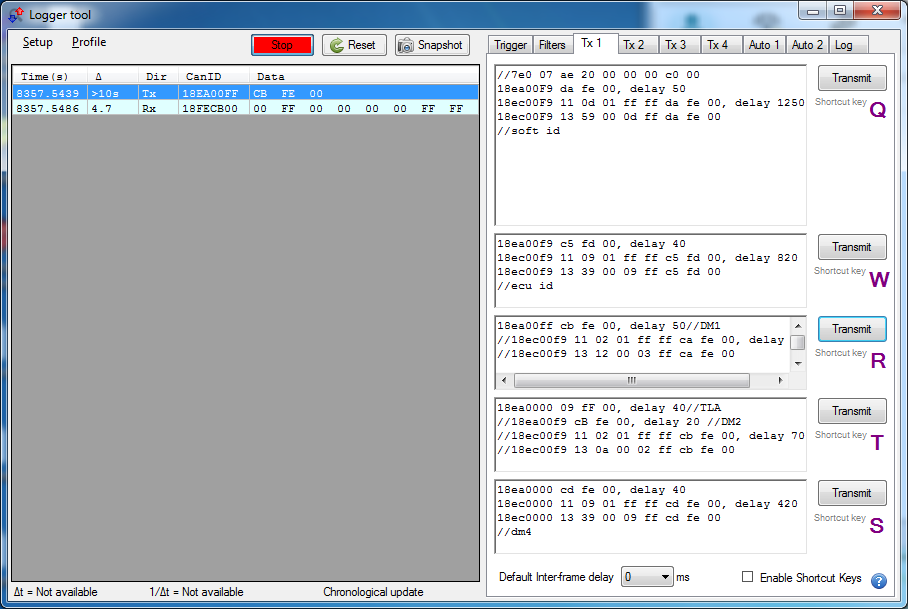
**Set J1939\_DM2\_Message[J1939\_DM2\_BUFFER\_SIZE] =**

**{ 0x00, 0xFF, 0x00, 0xFE, 0xCA, 0x00, 0x00, 0x97, 0x03, 0x8a, 0x00,**

**0x51, 0x63, 0x8a};**

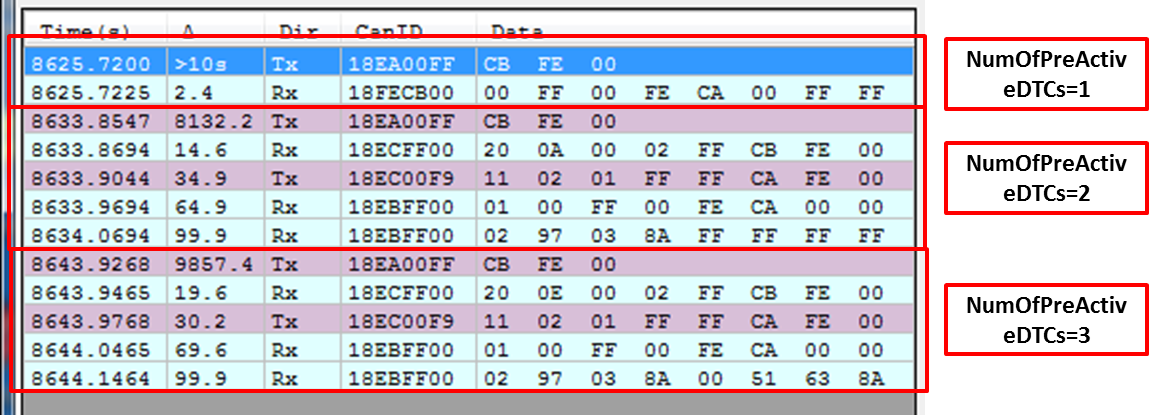
**Number of previous DTC =0**

**Set NumOfPreActiveDTCs=0**



**Number of previous DTC =1,2,3**

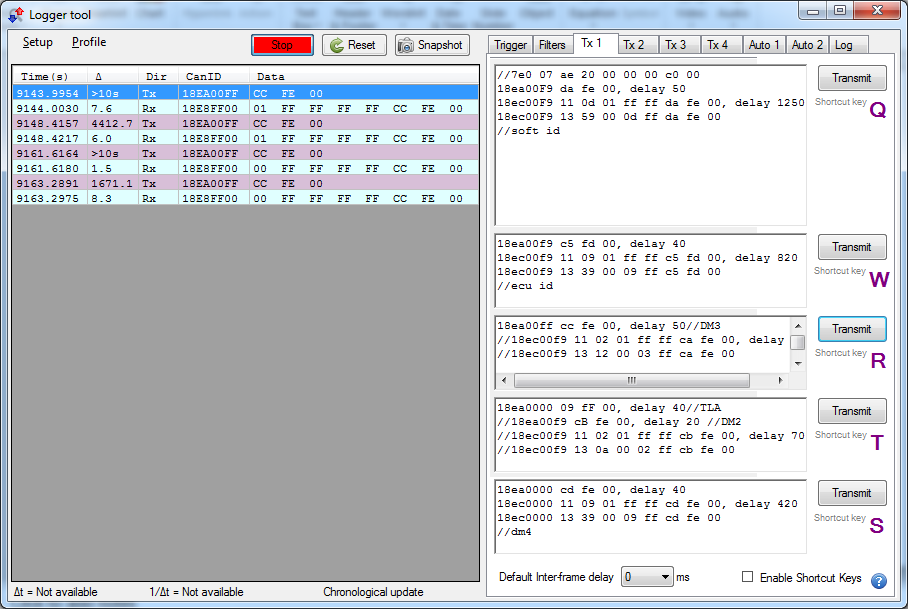
**Set NumOfPreActiveDTCs=1,2,3**

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# Diagnostic Data Clear/Reset Of Previously Active DTCs (DM3)

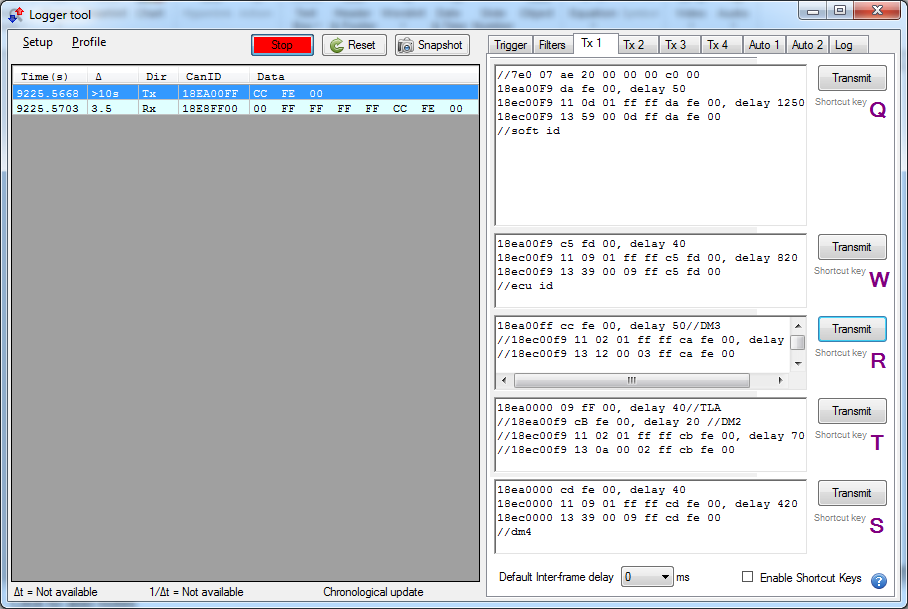
* 1. **Set J1939\_DM3\_Clr\_PreActive\_Dtcs =false**

//means preactive DTCs was not cleared



* 1. **Set J1939\_DM3\_Clr\_PreActive\_Dtcs =true**

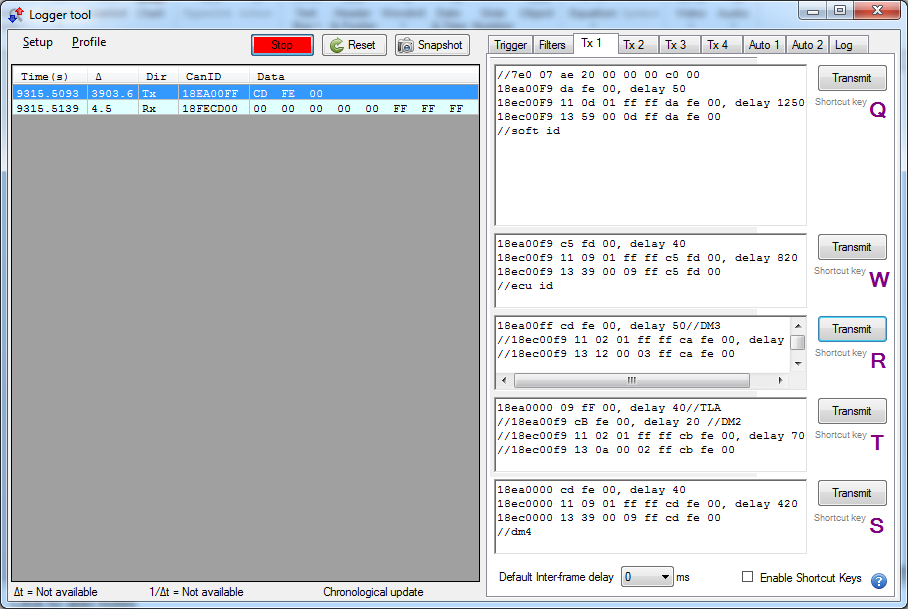
// means preactive DTCs was cleared



# Freeze Frame Parameters (DM4)

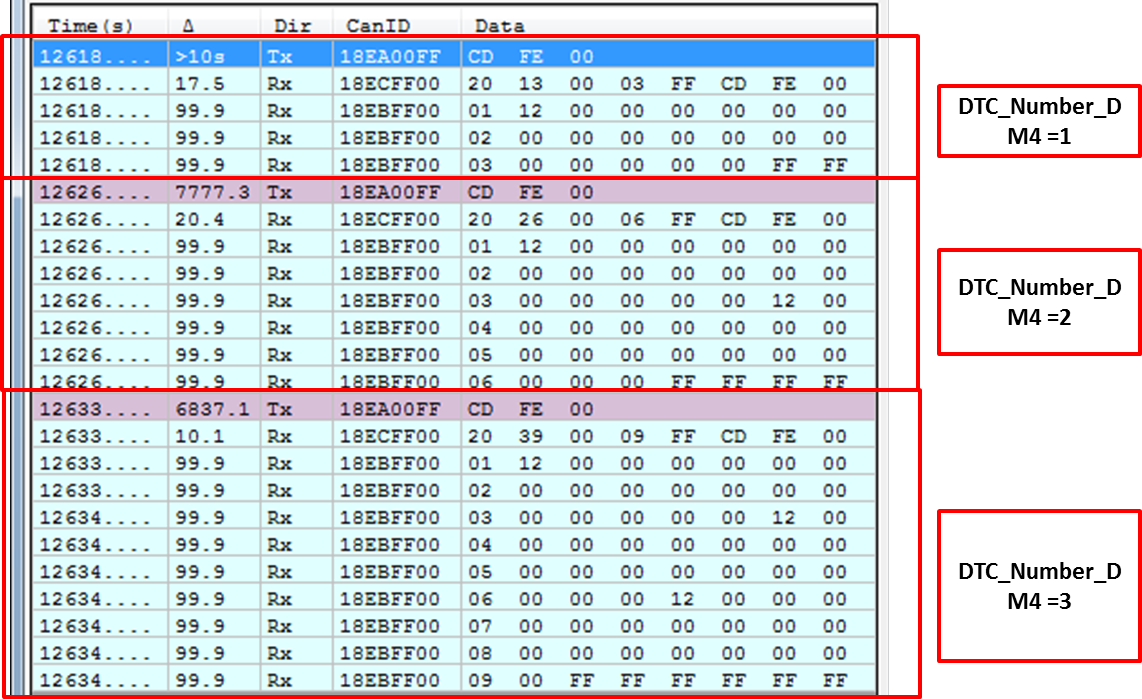
* 1. **No fault**

**Set DTC\_Number\_DM4 =0** // the number of DTC



* 1. **Fault active**

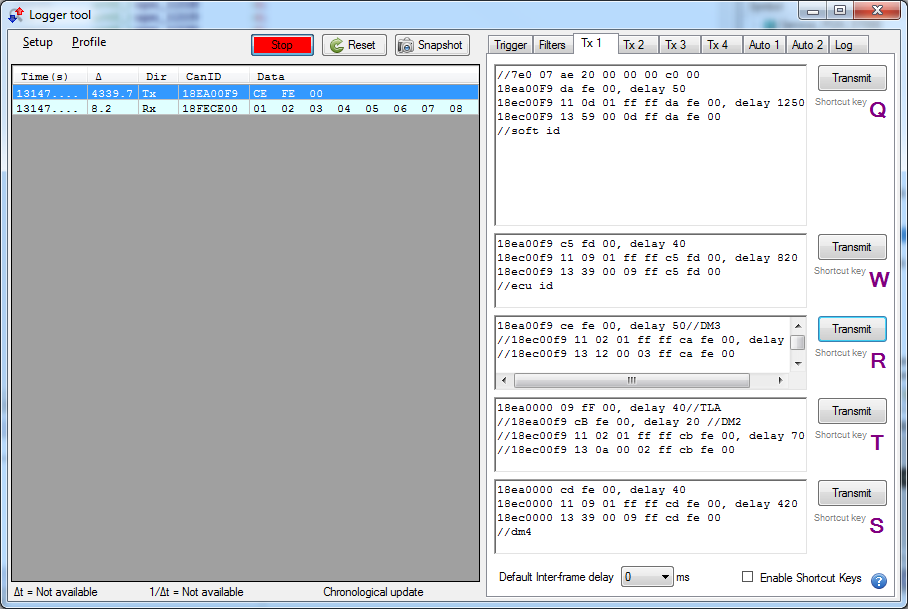
**Set DTC\_Number\_DM4 =1,2,3**



# Diagnostic Readiness 1 (DM5)

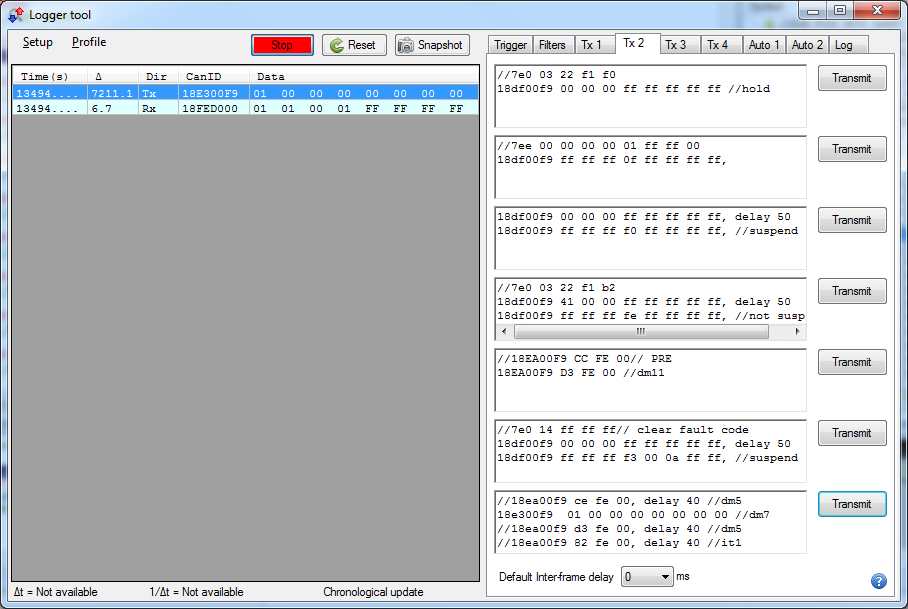
**Set the J1939\_73\_dm5={1,2,3,4,5,6,7,8}**

Reports the diagnostics information that relates to diagnostic readiness.



# Command Non-Continuously Monitored Test (DM7)、Test Results For Non-Continuously Monitored Systems (DM8)

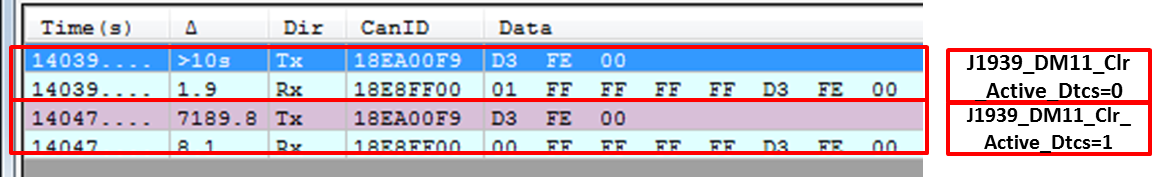
Request injector1 open:



1. J1939\_73\_dm7 was set as {1,0,0,0,0,0,0,0}
2. B\_Inj0Req was set to 1 after the message

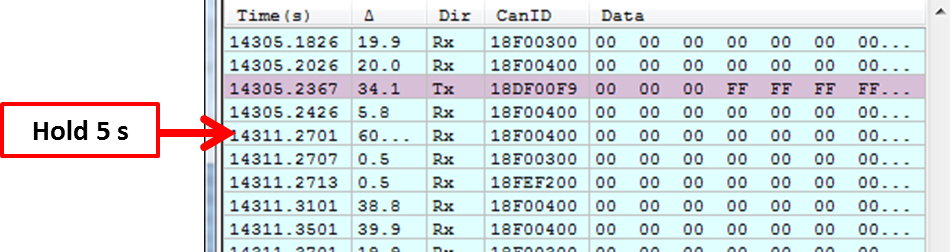
# Diagnostic Data Clear/Reset for Active DTCs (DM11)

* 1. **J1939\_DM11\_Clr\_Active\_Dtcs =false // means active DTCs was not cleared**
  2. **J1939\_DM11\_Clr\_Active\_Dtcs =true // means active DTCs was cleared**

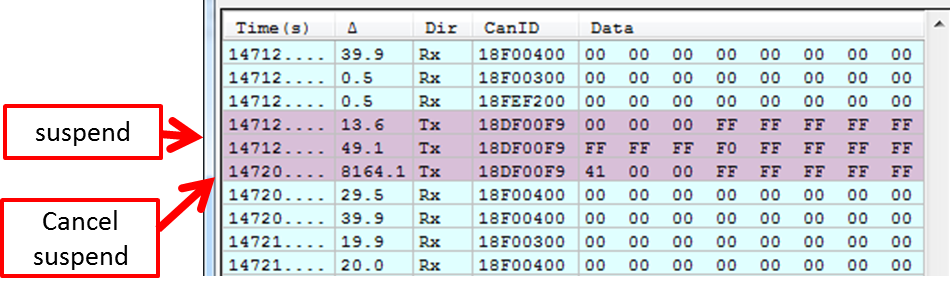


# Stop Start Broadcast (DM13)

* 1. **Hold**

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* 1. **Suspend**



* 1. **Temporary suspend**

