



POWERTRAIN FAULTS DUE TO CHAFING OF ENGINE WIRING HARNESS

MODEL

F15 (X5 3.5d)

SITUATION

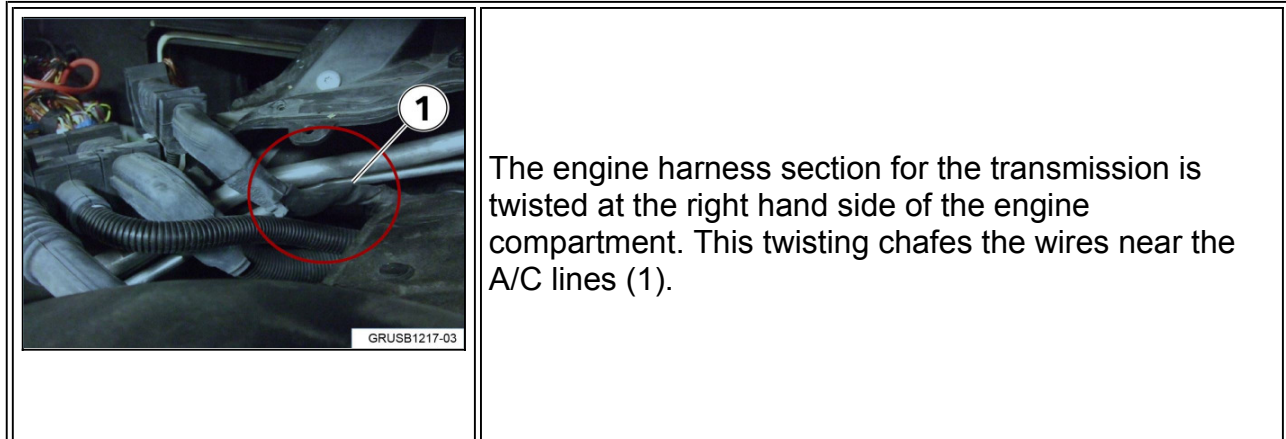
One or more of the following fault codes are stored in the DDE:

- 29FB00 - DeNOx system, warning and switching off scenario: Warning level 1
- 280D00 - NOx-Sensor upstream DeNOx-catalytic converter, signal NOx: NOx-Signal invalid for too long
- 280F00 - NOx-Sensor downstream DeNOx-catalytic converter, signal NOx: NOx-signal invalid for too long
- 29FC00 - DeNOx-system, warning and switch-off scenario: Warning level 2
- CD840A - FA-CAN bus: Control unit switched off from bus (Bus off)
- CD94C7 - Message (RQ_PWR_EL_EPS, 234.0.2, FX): Messaging from EPS failed
- CD951C - Message (AVL_STMOM_DV_ACT_AVL_FORC_GRD, 49.0.2, FX): Messaging from EPS failed
- CD9536 - Message (DIAG_OBD_SCR, 0x3EE, FA): Messaging from SCR control unit failed
- CD953A - Message (ST_FFLV_SCRA, 0x40B, FA): Messaging from SCR control unit failed
- CD953C - Message (ST_RESO_SCRA, 0x8A, FA): Messaging from SCR control unit failed
- CD942B - Message (DT_GRDT, 0x1AF, A): Messaging from transmission control unit failed
- CD946B - Message (ST_GRB_ECU, 0x39A, FA): Messaging from transmission control unit failed
- CD9487 - Message (RQ_TORQ_CRSH_GRB, 0xB0, A): Messaging from transmission control unit failed
- CD94B9 - Message (DISP_RPM_ENG_DYNS, 0xF8, A): Signal(s) in message invalid
- CD94BA - Message (DISP_RPM_ENG_DYNS, 0xF8, A): Messaging from transmission control unit failed
- CD94C3 - Message (DIAG_OBD_GRB, 0x396, FA): Messaging from transmission control unit failed
- CD94DC - Transmission control unit, communication: Transmission communication via A-

CAN and FACAN failed

- CD94ED - Message (DT_DISP_GRDT, 0x3FD, FA): Messaging from transmission control unit failed
- CD950D - Message (RQ_TORQ_CRSH_GRB_2, 0xA0, A): Signal(s) in message invalid
- CD950F - Message (RQ_TORQ_CRSH_GRB_2, 0xA0, A): Messaging from transmission control unit failed
- CD9549 - Message (DIENSTE-ID2=19 request MSA function, 0x598, FA): Message from transmitter control unit (EGS_EL) failed

CAUSE



PROCEDURE

- Check the harness for twisting and chafing at the A/C lines. If one wire is damaged, repair that wire (refer to Repair Instruction 61 13 ... Butt connector for repairing a plug connection). After repairing the wire, disconnect the harness at the DDE and untwist the harness. Ensure no contact with the A/C lines.
- If more than one wire is damaged, replace the engine wiring harness for the transmission. Ensure the new harness isn't twisted at the A/C lines when installing.
- If there is no chafing of the harness follow the appropriate test plan in ISTA to diagnose the fault code(s) stored.

PARTS INFORMATION

Refer to ETK

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

Defect Code:	1253018100	
Labor Operation:	Labor Allowance:	Description:

00 00 006*	Refer to KSD	Performing vehicle test
AND:		
61 99 000	8 FRU	Repair one chafed wire and reposition engine wiring harness for the transmission
OR:		
12 99 000	30 FRU	Replace the engine harness for the transmission

Labor operation code 00 00 006 is a Main labor operation. If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead.

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