

Discovery Series II

Bosch GS8.87 EAT

Transmission ECU to engine management ECM CAN link timeout.

DTC	Description
P1843	CAN timeout monitoring.

Possible Causes:

1. Petrol Only - Connector(s) EAT C193,C637.
2. Diesel Only - Connector(s) EAT C193,C158.
3. Petrol Only - Open circuit C193/16 (W) to C637/36 (W).
4. Diesel Only - Open circuit C193/16 (W) to C158/35 (W).
5. Petrol Only - Open circuit C193/44 (Y) to C637/37 (Y).
6. Diesel Only - Open circuit C193/44 (Y) to C158/32 (Y).
7. Engine management ECM was disconnected with ignition on or reprogrammed.
8. Battery discharged or alternator fault.

1. Petrol Only - Connector(s) EAT C193,C637.

CONNECTOR

Check for connector not correctly latched, backed out pins, damaged pins, corroded pins

2. Diesel Only - Connector(s) EAT C193,C158.

CONNECTOR

Check for connector not correctly latched, backed out pins, damaged pins, corroded pins

3. Petrol Only - Open circuit C193/16 (W) to C637/36 (W).

OPEN_CIRCUIT

Check resistance > 1M Ω

4. Diesel Only - Open circuit C193/10 (W) to C158/33 (W).

OPEN_CIRCUIT

Check resistance > 1MΩ

5. Petrol Only - Open circuit C193/44 (Y) to C637/37 (Y).

OPEN_CIRCUIT

Check resistance > 1MΩ

6. Diesel Only - Open circuit C193/44 (Y) to C158/32 (Y).

OPEN_CIRCUIT

Check resistance > 1MΩ

7. Engine management ECM was disconnected with ignition on or reprogrammed.

CHECK THE FOLLOWING:

If TestBook available, run ECM diagnostic. If ECM has not logged a CAN fault then suspect ECM disconnection or reprogramming.

Clear fault code in transmission and monitor for re-occurrence.

POSSIBLE FAULTS

ECM disconnected with ignition switched on.

ECM was reprogrammed (ECM CAN stops during programming).

8. Battery discharged or alternator fault.

CHECK THE FOLLOWING:

Examine the battery voltage logged in the fault freeze frame.

If the logged voltage was less than approximately 10 Volts there may be a problem with the battery or alternator.

POSSIBLE FAULTS

Discharged battery or faulty alternator.