



## AutoScan

Software Version **2510.3**  
Data pack Version **297.214**  
Serial Number **GS1 021 697**  
Registration **Operator16**  
Date **2025-11-22 08:53:05**

## Bike Information

Odometer **151220.0 km**  
Motorcycle Date **22-11-2025**  
Distance to next service **0.0 km**  
Service due date **09-03-2024**  
VIN **WB10A1308EZ191410**  
Factory I-Level **K001-14-02-500**  
Actual I-Level **K001-15-07-510**  
Model **R 1200 RT (K52)**

Date 0214

Series K052

Type 0A13

Paint 0NC9

Upholstery 0000

Extras

219 Headlight Pro

272 Preparation, navigation unit

530 Tyre Pressure Control (RDC)

538 Cruise Control

562 Additional fog/headlight

764 Plug-in socket

Vehicle Order -

## Controller Summary

Satellite Body Controller  **Faults detected: 2**

Engine Controller  **Faults present: 1/8**

Tyre Pressure Monitor  **Faults detected: 6**

ABS Brakes  **Faults detected: 8**

Immobilizer / Keyless Ride  **OK**

Instrument Cluster  **OK**

Body Controller  **Faults present: 1/2**

Battery voltage  **12.30 V**

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## Satellite Body Controller (XFSA)

Controller **0x0F8000**

Controller Name **XFSA**

Controller Type **Satellite Body Controller**

Serial Number **1410845890**

Manufacturer **Loewe / Lear**

Manufacture Date (YY/MM/DD) **14/04/18**

VIN **Z191410**

Program Count **2**

Program Count Maximum **1024**

Firmware Date (YY/MM/DD) **15/10/01**

Kilometers when programmed **0.0**

Number of FW configurations **4**

HW Electronics (HWEL) -

Firmware ID 0x08B0

Firmware Version 002.005.001

Bootloader (BTLD) -

Firmware ID 0x0894

Firmware Version 004.001.000

SW Memory Image (SWFL) -

Firmware ID 0x0895

Firmware Version 007.000.002

Coding Data (CAFD) -

Firmware ID 0x0896

Firmware Version 007.000.003

Fault Codes **2**

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Fault Code Value **0x803E81**

Fault Code Description **Low-beam/High-beam headlight, open circuit**

Currently present **NO**

Malfunction Indicator Light (MIL) **NO**

Frequency count **1**

Logistic (Healing) count **20**

Record number 1

Odometer 149972.0 km

Absolute Time 4964

System voltage 12.50 V

Ignition status ON

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Fault Code Value **0xCC9420**

Fault Code Description **No CAN message (status left multifunction switch from the KOMBI)**

Currently present **NO**  
Malfunction Indicator Light (MIL) **NO**  
Frequency count **1**  
Logistic (Healing) count **0**

Record number 1  
Odometer 149972.0 km  
Absolute Time 11153511  
System voltage 12.80 V  
Ignition status ON

Fault Code History -

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## Engine Controller (**XBMSX**)

Controller **0x0F8B00**  
Controller Name **XBMSX**  
Controller Type **Engine Controller**  
Serial Number **0170104984**  
Manufacture Date (YY/MM/DD) **14/05/19**  
Program Count **2**  
Program Count Maximum **60**  
Battery voltage **12.30 V**  
VIN **WB10A1308EZ191410**  
Model **R 1200 RT (K52)**  
Factory I-Level **K001-14-02-500**  
Actual I-Level **K001-15-07-510**  
Backup I-Level **K001-14-02-500**  
Odometer **151220.0 km**  
Operating hours **1899h 25m 33s**  
Riding Mode **2**  
Firmware Date (YY/MM/DD) **15/10/01**  
Kilometers when programmed **0.0**  
Number of FW configurations **5**

HW Electronics (HWEL) -

Firmware ID 0x08A3  
Firmware Version 004.000.000

Bootloader (BTLD) -

Firmware ID 0x0C49  
Firmware Version 004.000.000

SW Memory Image (SWFL) -

Firmware ID 0x0CF7  
Firmware Version 022.000.000

SW Memory Image (SWFL) -

Firmware ID 0x1FB4  
Firmware Version 022.000.000

Coding Data (CAFD) -

Firmware ID 0x08A2  
Firmware Version 000.008.009

Fault Codes **8**

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Fault Code Value **0x21FA21**

Fault Code Description **Exhaust flap servomotor, adjustment error**

Currently present **YES**

Malfunction Indicator Light (MIL) **NO**

Frequency count **255**

Logistic (Healing) count **40**

Record number 1

Odometer 136150.0 km

Absolute Time 1796148

Speed 0.0 km/h

Engine RPM 0 rpm

Battery voltage 13.94 V

Throttle valve angle relative to throttle valve stop 14.99 %

Record number 2

Odometer 136150.0 km

Absolute Time 1806593

Speed 23.2 km/h

Engine RPM 2264 rpm

Battery voltage 14.22 V

Throttle valve angle relative to throttle valve stop 5.71 %

Record number 3

Odometer 151220.0 km

Absolute Time 5689015

Speed 0.0 km/h

Engine RPM 0 rpm

Battery voltage 13.20 V

Throttle valve angle relative to throttle valve stop 15.01 %

Fault Code History -

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Fault Code Value **0x21FA22**

Fault Code Description **Exhaust flap servomotor, mechanical fault or blockage**

Currently present **NO**

Malfunction Indicator Light (MIL) **NO**

Frequency count **255**

Logistic (Healing) count **40**

Fault Code History -

Record number 1

Odometer 136150.0 km

Absolute Time 1806559

Speed 0.0 km/h

Engine RPM 1254 rpm

Battery voltage 14.14 V

Throttle valve angle relative to throttle valve stop 3.22 %

Record number 2

Odometer 136150.0 km

Absolute Time 1806594

Speed 25.6 km/h

Engine RPM 1886 rpm

Battery voltage 14.55 V

Throttle valve angle relative to throttle valve stop 6.37 %

Record number 3

Odometer 151220.0 km

Absolute Time 5688999

Speed 12.5 km/h

Engine RPM 1538 rpm

Battery voltage 14.28 V

Throttle valve angle relative to throttle valve stop 2.73 %

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Fault Code Value **0xCD9420**

Fault Code Description **No CAN message (status left multifunction switch from the KOMBI)**

Currently present **NO**

Malfunction Indicator Light (MIL) **NO**

Frequency count **1**

Logistic (Healing) count **21**

Fault Code History -

Record number 1

Odometer 149972.0 km

Absolute Time 11153511

Engine RPM 0 rpm

Speed 0.0 km/h

Battery voltage 12.71 V

Time after engine start 0.0

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Fault Code Value **0x21F542**

Fault Code Description **Oxygen sensor 1 heating circuit, open circuit**

Currently present **NO**

Malfunction Indicator Light (MIL) **NO**

Frequency count **2**

Logistic (Healing) count **21**

Fault Code History -

Record number 1

Odometer 149972.0 km

Absolute Time 16777215

Lambda sensor voltage 1 0.48 V

Engine RPM 0 rpm

Time after engine start 0.0

Exhaust gas temperature before catalyst bank 1 24.0 °C

Record number 2

Odometer 149972.0 km

Absolute Time 16777215

Lambda sensor voltage 1 0.48 V

Engine RPM 0 rpm

Time after engine start 0.0

Exhaust gas temperature before catalyst bank 1 24.0 °C

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Fault Code Value **0x21F552**

Fault Code Description **Oxygen sensor 2 heating circuit, open circuit**

Currently present **NO**

Malfunction Indicator Light (MIL) **NO**

Frequency count **2**

Logistic (Healing) count **21**

Fault Code History -

Record number 1

Odometer 149972.0 km

Absolute Time 16777215

Lambda sensor voltage 2 0.49 V

Engine RPM 0 rpm

Time after engine start 0.0

Exhaust gas temperature before catalyst bank 1 24.0 °C

Record number 2

Odometer 149972.0 km

Absolute Time 16777215

Lambda sensor voltage 2 0.48 V

Engine RPM 0 rpm

Time after engine start 0.0

Exhaust gas temperature before catalyst bank 1 24.0 °C

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Fault Code Value **0x21F5A2**

Fault Code Description **Tank venting valve, open circuit**

Currently present **NO**

Malfunction Indicator Light (MIL) **NO**

Frequency count **2**

Logistic (Healing) count **21**

Fault Code History -

Record number 1

Odometer 149972.0 km

Absolute Time 16777215

Engine RPM 0 rpm

Speed 0.0 km/h

Battery voltage 12.04 V

System voltage 12.01 V

Record number 2

Odometer 149972.0 km

Absolute Time 62

Engine RPM 1875 rpm

Speed 0.0 km/h

Battery voltage 12.73 V

System voltage 13.46 V

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Fault Code Value **0x21FD62**

Fault Code Description **Injector, cylinder 1 (right for Boxer), output open circuit**

Currently present **NO**

Malfunction Indicator Light (MIL) **NO**

Frequency count **1**

Logistic (Healing) count **21**

Fault Code History -

Record number 1

Odometer 149972.0 km  
Absolute Time 62  
Engine RPM 1774 rpm  
Speed 0.0 km/h  
Battery voltage 11.98 V  
Ignition voltage 13.56 V

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Fault Code Value **0x21FD72**  
Fault Code Description **Injector, cylinder 2 (left for Boxer) or cylinder 5 for 6 cylinder (2nd cylinder in firing order), output open circuit**  
Currently present **NO**  
Malfunction Indicator Light (MIL) **NO**  
Frequency count **1**  
Logistic (Healing) count **21**

Fault Code History -

Record number 1  
Odometer 149972.0 km  
Absolute Time 62  
Engine RPM 1774 rpm  
Speed 0.0 km/h  
Battery voltage 11.98 V  
Ignition voltage 13.56 V

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## Tyre Pressure Monitor **(XRDC)**

Controller **0x0F8100**  
Controller Name **XRDC**  
Controller Type **Tyre Pressure Monitor**  
Serial Number **1211402182**  
Manufacturer **Schrader**  
Manufacture Date (YY/MM/DD) **14/05/01**  
VIN **Z191410**  
Program Count **0**  
Program Count Maximum **1024**  
Firmware Date (YY/MM/DD) **99/99/99**  
Kilometers when programmed **0.0**  
Number of FW configurations **4**

HW Electronics (HWEL) -

Firmware ID 0x0B49  
Firmware Version 000.001.008

Bootloader (BTLD) -

Firmware ID 0x0CB1  
Firmware Version 000.002.025

SW Memory Image (SWFL) -

Firmware ID 0x0CB2  
Firmware Version 001.000.070

Coding Data (CAFD) -

Firmware ID 0x0B4B  
Firmware Version 000.005.000

Front Sensor Number **3034091**

Rear Sensor Number **3038333**

Fault Codes **6**

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Fault Code Value **0x481F85**

Fault Code Description **Voltage supply (overvoltage)**

Currently present **NO**

Malfunction Indicator Light (MIL) **NO**

Frequency count **5**

Logistic (Healing) count **0**

Record number 1

Odometer 149972.0 km

Record number 2

Odometer 149972.0 km

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Fault Code History -

Fault Code Value **0x481F8A**

Fault Code Description **Tyre pressure sensor, front**

Currently present **NO**

Malfunction Indicator Light (MIL) **YES**

Frequency count **42**

Logistic (Healing) count **0**

Record number 1

Odometer 136170.0 km

Record number 2

Odometer 150874.0 km

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Fault Code History -

Fault Code Value **0x481F8B**

Fault Code Description **Tyre pressure sensor, rear**

Currently present **NO**

Malfunction Indicator Light (MIL) **YES**

Frequency count **19**

Logistic (Healing) count **0**

Record number 1

Odometer 141549.0 km

Record number 2

Odometer 150874.0 km

---

Fault Code History -

Fault Code Value **0x481F9A**

Fault Code Description **Front tyre pressure sensor reception interference**

Currently present **NO**

Malfunction Indicator Light (MIL) **NO**

Frequency count **195**

Logistic (Healing) count **0**

Record number 1

Odometer 136186.0 km

Record number 2

Odometer 151135.0 km

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Fault Code History -

Fault Code Value **0x481F9B**  
Fault Code Description **Rear tyre pressure sensor reception interference**  
Currently present **NO**  
Malfunction Indicator Light (MIL) **NO**  
Frequency count **95**  
Logistic (Healing) count **0**

Fault Code History -

Record number 1  
Odometer 136202.0 km  
Record number 2  
Odometer 150829.0 km

Fault Code Value **0xD1142A**  
Fault Code Description **CAN message missing (engine data from DME)**  
Currently present **NO**  
Malfunction Indicator Light (MIL) **NO**  
Frequency count **2**  
Logistic (Healing) count **0**

Fault Code History -

Record number 1  
Odometer 149972.0 km  
Record number 2  
Odometer 149972.0 km

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## **ABS Brakes (XABS)**

Controller **0x0F8300**  
Controller Name **XABS**  
Controller Type **ABS Brakes**  
Serial Number **6020300352**  
Manufacturer **Fuba Automotive**  
Manufacture Date (YY/MM/DD) **14/05/21**  
VIN **Unavailable**  
Variant **K52**  
Program Count **2**  
Program Count Maximum **1000**  
Firmware Date (YY/MM/DD) **15/10/01**  
Kilometers when programmed **0.0**  
Number of FW configurations **3**

HW Electronics (HWEL) -

Firmware ID 0x1299  
Firmware Version 000.002.000

Bootloader (BTLD) -

Firmware ID 0x1298  
Firmware Version 000.002.000

SW Memory Image (SWFL) -

Firmware ID 0x129A  
Firmware Version 003.002.005

Fault Codes **8**

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Fault Code Value **0xD35420**

Fault Code Description **No CAN message for left handlebar switch cluster (from KOMBI)**

Currently present **NO**

Malfunction Indicator Light (MIL) **NO**

Frequency count **1**

Logistic (Healing) count **4**

Record number 0

Odometer 149972.0 km

Absolute Time 11153511

Control Unit Status Normal

Sub Table 16

Battery voltage 12.78 V

Speed 0.0 km/h

Brake status 0

Sub Table 136

Internal error id 0

Fault Code History -

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Fault Code Value **0x480863**

Fault Code Description **Supply voltage, overvoltage**

Currently present **NO**

Malfunction Indicator Light (MIL) **NO**

Frequency count **7**

Logistic (Healing) count **4**

Record number 0

Odometer 149972.0 km

Absolute Time 280

Control Unit Status Normal

Sub Table 16

Battery voltage 12.56 V

Speed 0.0 km/h

Brake status 0

Sub Table 136

Internal error id 0

Fault Code History -

Record number 1

Odometer 149972.0 km

Absolute Time 402

Control Unit Status Normal

Sub Table 16

Battery voltage 12.45 V

Speed 0.0 km/h

Brake status 0

Sub Table 136

Internal error id 0

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Fault Code Value **0x480A05**

Fault Code Description **Pressure sensor, control circuit, front, implausible P1**

Currently present **NO**

Malfunction Indicator Light (MIL) **NO**

Frequency count **1**  
Logistic (Healing) count **29**

Fault Code History -

Record number 0  
Odometer 150778.0 km  
Absolute Time 3199026  
Control Unit Status Normal  
Sub Table 16  
Battery voltage 14.41 V  
Speed 0.0 km/h  
Brake status 17  
Sub Table 1232  
Internal error id 0

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Fault Code Value **0x480A25**  
Fault Code Description **Pressure sensor, wheel circuit, front, implausible P1**  
Currently present **NO**  
Malfunction Indicator Light (MIL) **NO**  
Frequency count **1**  
Logistic (Healing) count **29**

Fault Code History -

Record number 0  
Odometer 150778.0 km  
Absolute Time 3199026  
Control Unit Status Normal  
Sub Table 16  
Battery voltage 14.41 V  
Speed 0.0 km/h  
Brake status 17  
Sub Table 1232  
Internal error id 0

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Fault Code Value **0x480860**  
Fault Code Description **Supply voltage, undervoltage**  
Currently present **NO**  
Malfunction Indicator Light (MIL) **NO**  
Frequency count **11**  
Logistic (Healing) count **38**

Fault Code History -

Record number 0  
Odometer 149972.0 km  
Absolute Time 2  
Control Unit Status Initialising  
Sub Table 19  
Battery voltage 12.27 V  
Speed 0.0 km/h  
Brake status 0  
Sub Table 9  
Internal error id 0

Record number 1  
Odometer 151163.0 km  
Absolute Time 3791522  
Control Unit Status Normal  
Sub Table 16  
Battery voltage 12.38 V  
Speed 0.0 km/h  
Brake status 0  
Sub Table 10  
Internal error id 0

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Fault Code Value **0x480A15**  
Fault Code Description **Pressure sensor, control circuit, rear, implausible P1**  
Currently present **NO**  
Malfunction Indicator Light (MIL) **NO**  
Frequency count **1**  
Logistic (Healing) count **38**

Fault Code History -

Record number 0  
Odometer 151214.0 km  
Absolute Time 5681482  
Control Unit Status Normal  
Sub Table 16  
Battery voltage 12.27 V  
Speed 0.0 km/h  
Brake status 16  
Sub Table 10  
Internal error id 0

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Fault Code Value **0x480A35**  
Fault Code Description **Pressure sensor, wheel circuit, rear, implausible P1**  
Currently present **NO**  
Malfunction Indicator Light (MIL) **NO**  
Frequency count **1**  
Logistic (Healing) count **38**

Fault Code History -

Record number 0  
Odometer 151214.0 km  
Absolute Time 5681482  
Control Unit Status Normal  
Sub Table 16  
Battery voltage 12.27 V  
Speed 0.0 km/h  
Brake status 16  
Sub Table 10  
Internal error id 0

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Fault Code Value **0x480901**  
Fault Code Description **Wheel speed sensor, front, pulse monitoring**

Currently present **NO**  
Malfunction Indicator Light (MIL) **NO**  
Frequency count **11**  
Logistic (Healing) count **40**

Fault Code History -

Record number 0  
Odometer 150779.0 km  
Absolute Time 3199082  
Control Unit Status Normal  
Sub Table 16  
Battery voltage 14.04 V  
Speed 45.0 km/h  
Brake status 0  
Sub Table 1378  
Internal error id 0  
Record number 1  
Odometer 151220.0 km  
Absolute Time 5688944  
Control Unit Status Normal  
Sub Table 16  
Battery voltage 14.61 V  
Speed 43.0 km/h  
Brake status 0  
Sub Table 464  
Internal error id 0

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## Immobilizer / Keyless Ride **(XEWS4)**

Controller **0x0F8C00**  
Controller Name **XEWS4**  
Controller Type **Immobilizer / Keyless Ride**  
Serial Number **0000076601**  
Manufacture Date (YY/MM/DD) **14/04/11**  
Program Count **0**  
Program Count Maximum **1024**  
Firmware Date (YY/MM/DD) **99/99/99**  
Kilometers when programmed **0.0**  
Number of FW configurations **3**

HW Electronics (HWEL) -

Bootloader (BTLD) -

SW Memory Image (SWFL) -

Firmware ID 0x0BFE  
Firmware Version 003.000.000  
Firmware ID 0x0BFF  
Firmware Version 003.001.000  
Firmware ID 0x0C01  
Firmware Version 004.000.001

Fault Codes **0**  
No Faults found

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## Instrument Cluster (XKOMBI)

Controller **0x0F8800**  
Controller Name **XKOMBI**  
Controller Type **Instrument Cluster**  
Serial Number **0000008655**  
Manufacturer **Preh GmbH**  
Manufacture Date (YY/MM/DD) **14/05/21**  
Odometer **151220.0 km**  
Program Count **1**  
Program Count Maximum **1024**  
Factory I-Level **K001-14-02-500**  
Actual I-Level **K001-15-07-510**  
VIN **Z191410**  
Firmware Date (YY/MM/DD) **15/10/01**  
Kilometers when programmed **0.0**  
Number of FW configurations **6**

HW Electronics (HWEL) -

Firmware ID 0x08A7  
Firmware Version 002.000.000

Bootloader (BTLD) -

Firmware ID 0x0C4D  
Firmware Version 001.001.000

SW Memory Image (SWFL) -

Firmware ID 0x0CBC  
Firmware Version 002.003.000

SW Memory Image (SWFL) -

Firmware ID 0x0CBB  
Firmware Version 002.000.000

Coding Data (CAFD) -

Firmware ID 0x08A6  
Firmware Version 001.006.027

Hardware Type (HWAP) -

Firmware ID 0x29D8  
Firmware Version 255.255.255

Fault Codes **0**  
No Faults found

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## Body Controller (XBCO)

Controller **0x0F8A00**  
Controller Name **XBCO**  
Controller Type **Body Controller**  
Serial Number **1409841450**  
Manufacturer **Loewe / Lear**  
Manufacture Date (YY/MM/DD) **14/04/12**  
VIN **Z191410**

Program Count **2**  
Program Count Maximum **1024**  
Firmware Date (YY/MM/DD) **15/10/01**  
Kilometers when programmed **0.0**  
Number of FW configurations **4**

HW Electronics (HWEL)-

Firmware ID 0x08AF  
Firmware Version 001.009.001

Bootloader (BTLD)-

Firmware ID 0x0891  
Firmware Version 005.001.000

SW Memory Image (SWFL)-

Firmware ID 0x0892  
Firmware Version 007.006.001

Coding Data (CAFD)-

Firmware ID 0x0893  
Firmware Version 007.006.009

Fault Codes **2**

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Fault Code Value **0x800E81**

Fault Code Description **Low-beam headlights, open circuit**

Currently present **NO**

Malfunction Indicator Light (MIL) **NO**

Frequency count **1**

Logistic (Healing) count **40**

Record number 1

Odometer 151218.0 km

Absolute Time 5688226

System voltage 12.50 V

Ignition status ON

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Fault Code History -

Fault Code Value **0xE58C04**

Fault Code Description **No LIN message (switch cluster extention from handlebar switch cluster)**

Currently present **YES**

Malfunction Indicator Light (MIL) **NO**

Frequency count **1**

Logistic (Healing) count **0**

Record number 1

Odometer 151218.0 km

Absolute Time 5688227

System voltage 12.50 V

Ignition status ON

Fault Code History -

