

MASSEY FERGUSON Tractor Fault Codes DTC

DTC Units - Armrest, Cab, Linkage, Front Axle, Parklock, Lights, Transmission, SCR, Engine, Instrument Panel

<https://tractormanualz.com/>

No.	FMI	Components concerned	Causes
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D 121		Alternator regulator voltage too high (filtered battery signal)	
D 122		Alternator regulator voltage too low (filtered battery signal)	
D 127		X197 Diesel fuel gauge. Electrical signal too high	
D 128		Electrical signal too low	
D 129		Battery voltage too high (non-filtered battery signal)	
D 130		Battery voltage too low (non-filtered battery signal)	
D 133		X71 Throttle pedal sensor. Electrical signal too high	
D 134		Electrical signal too low	
D 135		X56 Power Control lever;	
0000000000		X71 Throttle pedal sensor. Electrical signal too high - C.N.	
D 136		Electrical signal too low - C.N.	
D 137		X106 Transmission lever in armrest. Electrical signal too high	
D 138		Electrical signal too low	
D 139		X68 Clutch pedal sensor. Electrical signal too high	
D 140		Electrical signal too low	
D 141		X25 Engine speed sensor. Engine speed signal not at maximum level	
D 142		X68 Clutch pedal sensor. Short circuit to + 12 V AC	
D 143		Short circuit to + 12 V AC - C.N.	
D 144		X56 Power Control lever. Electrical signal too high	
D 145		Electrical signal too low	
D 146		Electrical signal too high	
D 147		Electrical signal too low	
D 148		X55 Instrument panel. Attempt to program with engine running	
D 149		CAN network deactivated (CAN bus off)	
D 150		CAN messages lost	
D 151		Tractor speed too high	
D 152		X55 Instrument panel. Hourmeter error for engine maintenance	
D 153		Parameter table error	
D 154		CAN communications from Autotronic 4 to DCC3 - C.N. Special failed	
D 155		X55 Instrument panel. Incorrect tractor code selected	
D 156		X68 Clutch pedal sensor. Toc stuck open	
D 157		X25 Engine speed sensor. No electrical signal	
D 158		X106 Transmission lever in armrest. Incorrect calibration of armrest lever	
D 159		X56 Power Control lever. Neutral switch error in neutral - C.N. position	
D 160		Neutral switch error outside neutral - C.N. position	
D 164		CAN communications from EEM to DCC3 failed	
D 170		X122 Hand throttle	
D 183		X235 Front axle steering sensor (WAS sensor). Electrical signal too high	
D 184		Electrical signal too low	
D 185		X57 DOT Matrix keyboard. Electrical signal too high	
D 186		Electrical signal too low	
D 189		X55 Instrument panel. 9.5 V output - electrical signal too high	
D 190		.5 V output - electrical signal too low	
D 191		X168 Pneumatic brake system pressure sensor. Electrical signal too high	
D 192		Electrical signal too low	
D 193		X144 Variable steering setting potentiometer (fast steering). Electrical signal too high	
D 194		Electrical signal too low	
D 195		X55 - Instrument panel. Electrical signal too high	

D 196 Electrical signal too low
 D 197 X1 Auxiliary hydraulic oil temperature sensor. Electrical signal too high
 D 198 Electrical signal too low
 E 91 4 Throttle sensor. Throttle sensor 1 LOW fault (IDLE)
 E 91 3 Throttle sensor. Throttle sensor 1 HIGH fault (IDLE)
 E 94 31 Fuel filter pressure sensor. Oil filter pressure LOW (with old sensor)
 E 94 4 Fuel filter pressure sensor. LOW fuel filter pressure sensor fault
 E 94 3 Fuel filter pressure sensor. HIGH fuel filter pressure sensor fault
 E 94 2 Fuel filter pressure sensor. Fuel filter pressure NO SIGNAL
 E 94 16 Fuel filter pressure sensor. Fuel filter pressure ABOVE NORMAL
 E 94 18 Fuel filter pressure sensor. Fuel filter pressure BELOW NORMAL
 E 97 31 Water in fuel
 E 100 16 Oil pressure sensor. Oil pressure ABOVE NORMAL (9.5 bar / 30 ° C)
 E 100 2 Oil pressure sensor. Oil pressure NO SIGNAL
 E 100 31 Oil pressure sensor. Oil pressure sensor fault
 E 100 4 Oil pressure sensor. LOW oil pressure sensor fault
 E 100 3 Oil pressure sensor. HIGH oil pressure sensor fault
 E 100 18 Oil pressure sensor. Oil pressure LOW
 E 100 1 Oil pressure sensor. Oil pressure LOW, ALARM
 E 102 4 Boost pressure sensor. LOW boost pressure sensor fault
 E 102 3 Boost pressure sensor. HIGH boost pressure sensor fault
 E 102 18 Boost pressure sensor. Boost pressure low
 E 102 16 Boost pressure sensor. Boost pressure ABOVE NORMAL
 E 102 2 Boost pressure sensor. Boost pressure NO SIGNAL
 E 102 31 Boost pressure sensor. Inlet manifold pressure drop too HIGH at start-up
 E 105 4 Inlet manifold temperature sensor. LOW inlet manifold temperature sensor fault
 E 105 3 Inlet manifold temperature sensor. HIGH inlet manifold temperature sensor fault
 E 105 16 Inlet manifold temperature sensor. Inlet manifold temperature ABOVE NORMAL (> 90 ° C)
 E 105 2 Inlet manifold temperature sensor. Inlet manifold temperature sensor NO SIGNAL
 E 107 18 Air filter pressure sensor. Air filter pressure BELOW NORMAL
 E 107 31 Air filter pressure sensor. Air filter pressure sensor fault
 E 110 2 Coolant temperature sensor. Coolant temperature NO SIGNAL
 E 110 4 Coolant temperature sensor. LOW coolant temperature sensor fault
 E 110 3 Coolant temperature sensor. HIGH coolant temperature sensor fault
 E 110 16 Coolant temperature sensor. Coolant temperature high
 E 110 0 Coolant temperature sensor. Coolant temperature HIGH, ALARM
 E 157 4 Rail pressure sensor. LOW rail pressure sensor fault
 E 157 3 Rail pressure sensor. HIGH rail pressure sensor fault
 E 157 16 Rail pressure sensor. Rail pressure ABOVE NORMAL
 E 157 2 Rail pressure sensor. Rail pressure NO SIGNAL
 E 157 1 Rail pressure sensor. Rail pressure low
 E 157 0 Rail pressure sensor. Rail pressure high
 E 168 1 Battery voltage. Battery voltage VERY LOW (<6.5 V)
 E 168 0 Battery voltage. Battery voltage VERY HIGH (> 36.0 V)
 E 168 2 Battery voltage. Battery voltage NO SIGNAL
 E 168 18 Battery voltage. Battery voltage BELOW NORMAL (<7.8 V)
 E 168 16 Battery voltage. Battery voltage ABOVE NORMAL
 E 174 4 Fuel temperature sensor. LOW fuel temperature sensor fault
 E 174 3 Fuel temperature sensor. HIGH fuel temperature sensor fault
 E 174 16 Fuel temperature sensor. Fuel temperature ABOVE NORMAL
 E 174 2 Fuel temperature sensor. Fuel temperature NO SIGNAL
 E 175 4 Engine oil temperature sensor. LOW engine oil temperature sensor fault
 E 175 3 Engine oil temperature sensor. HIGH engine oil temperature sensor fault
 E 175 16 Engine oil temperature sensor. Engine oil temperature HIGH
 E 175 2 Engine oil temperature sensor. Engine oil temperature sensor NO SIGNAL

E 190 16 Engine speed signal. Engine speed signal ABOVE NORMAL
E 626 4 Inlet air heater control, voltage below normal
E 626 3 Inlet air heater control, voltage above normal
E 629 10 EEPROM. EEPROM error
E 898 4 Requested speed. Requested speed out of LOW range (<500 rpm)
E 898 3 Requested speed. Requested speed out of HIGH range (> 3000 rpm)
E 1136 16 ECU temperature sensor. ECU temperature ABOVE NORMAL > 115 °C
E 1136 4 ECU temperature sensor. ECU LOW temperature sensor fault
E 1136 3 ECU temperature sensor. ECU HIGH temperature sensor fault
E 1136 2 ECU temperature sensor. ECU temperature NO SIGNAL
E 1378 16 Engine oil drain: delayed for too long
E 9006 31 Vehicle CAN. Vehicle CAN off
E 9008 31 CAN ID module. CAN ID module off (ECU to ID)
E 9010 4 Ambient pressure sensor. LOW ambient pressure sensor fault
E 9010 3 Ambient pressure sensor. HIGH ambient pressure sensor fault
E 9010 16 Ambient pressure sensor. Ambient pressure ABOVE NORMAL
E 9010 2 Ambient pressure sensor. Ambient pressure NO SIGNAL
E 9021 4 5 V DC supply 5 V DC supply 1 LOW fault
E 9021 3 5 V DC supply 5 V DC supply 1 HIGH fault
E 9022 4 5 V DC supply 5 V DC supply 2 LOW fault
E 9022 3 5 V DC supply 5 V DC supply 2 HIGH fault
E 9023 4 5 V DC supply 5 V DC supply 3 LOW fault
E 9023 3 5 V DC supply 5 V DC supply 3 HIGH fault
E 9024 18 Supply of sensor detecting water in the fuel. Supply voltage of sensor detecting water in fuel BELOW NORMAL
E 9024 16 Supply of sensor detecting water in the fuel. Supply voltage of sensor detecting water in fuel ABOVE NORMAL
E 9025 31 Self-test cut-off paths. Self-test cut-off paths, monitoring
E 9026 3 Self-test cut-off paths. Self-test cut-off paths, HIGH processor voltage check
E 9027 4 Self-test cut-off paths. Self-test cut-off paths, LOW processor voltage check
E 9030 6 Main relay, short circuit to EARTH. Short circuit to EARTH, ECU main relay1
E 9030 3 Main relay, short circuit to BAT +. Short circuit to BAT +, ECU main relay1
E 9031 6 Main relay, short circuit to EARTH. Short circuit to EARTH, ECU main relay2
E 9031 3 Main relay, short circuit to BAT +. Short circuit to BAT +, ECU main relay2
E 9032 6 Main relay, short circuit to EARTH. Short circuit to EARTH, ECU main relay3
E 9032 3 Main relay, short circuit to BAT +. Short circuit to BAT +, ECU main relay3
E 9033 31 Main relay. ECU cut-off does not work
E 9034 31 Main relay. ECU cut-off did not work last time
E 9035 31 Normal recovery
E 9036 31 Total restart after 3 recoveries in 2 seconds
E 9070 31 Crankshaft speed sensor. Crankshaft speed signal from the TPU
E 9071 31 Crankshaft speed sensor. Crankshaft speed signal, too many pulses
E 9072 31 Crankshaft speed sensor. Crankshaft speed sensor, reverse connected
E 9080 31 Cam speed sensor. APS cam speed signal
E 9081 31 Cam speed sensor. TPS cam speed signal
E 9082 31 Cam speed sensor. Cam speed sensor, reverse connected
E 9083 31 Cam speed sensor. No cam speed signal detected
E 9090 31 Engine speed signal. Engine speed signal evaluation error
E 9100 31 Protection upgrade fault
E 9107 31 Invalid ECU source address selection
E 9131 6 Solenoid valve 1 Solenoid valve 1, short circuit to EARTH (bank off)

E 9131 3 Solenoid valve 1. Solenoid valve 1, short circuit between ca- bles (bank off)
 E 9131 5 Solenoid valve 1. Solenoid valve 1, OPEN CIRCUIT
 E 9131 31 Solenoid valve 1. Solenoid valve 1, fast decay error (bank off)
 E 9131 11 Solenoid valve 1. Solenoid valve 1, current level error (bank off)
 E 9132 6 Solenoid valve 2. Solenoid valve 2, short circuit to EARTH (bank off)
 E 9132 3 Solenoid valve 2. Solenoid valve 2, short circuit between cables (bank off)
 E 9132 5 Solenoid valve 2. Solenoid valve 2, OPEN CIRCUIT
 E 9132 31 Solenoid valve 2. Solenoid valve 2, fast decay error (bank off)
 E 9132 11 Solenoid valve 2. Solenoid valve 2, current level error (bank off)
 E 9133 6 Solenoid valve 3. Solenoid valve 3, short circuit to EARTH (bank off)
 E 9133 3 Solenoid valve 3. Solenoid valve 3, short circuit between cables (bank off)
 E 9133 5 Solenoid valve 3. Solenoid valve 3, OPEN CIRCUIT
 E 9133 31 Solenoid valve 3. Solenoid valve 3, fast decay error (bank off)
 E 9133 11 Solenoid valve 3. Solenoid valve 3, current level error (bank off)
 E 9134 6 Solenoid valve 4. Solenoid valve 4, short circuit to EARTH (bank off)
 E 9134 3 Solenoid valve 4. Solenoid valve 4, short circuit between cables (bank off)
 E 9134 5 Solenoid valve 4. Solenoid valve 4, OPEN CIRCUIT
 E 9134 31 Solenoid valve 4. Solenoid valve 4, fast decay error (bank off)
 E 9134 11 Solenoid valve 4. Solenoid valve 4, current level error (bank off)
 E 9135 6 Solenoid valve 5. Solenoid valve 5, short circuit to EARTH (bank off)
 E 9135 3 Solenoid valve 5. Solenoid valve 5, short circuit between cables (bank off)
 E 9135 5 Solenoid valve 5. Solenoid valve 5, OPEN CIRCUIT
 E 9135 31 Solenoid valve 5. Solenoid valve 5, fast decay error (bank off)
 E 9135 11 Solenoid valve 5. Solenoid valve 5, current level error (bank off)
 E 9136 6 Solenoid valve 6. Solenoid valve 6, short circuit to EARTH (bank off)
 E 9136 3 Solenoid valve 6. Solenoid valve 6, short circuit between cables (bank off)
 E 9136 5 Solenoid valve 6. Solenoid valve 6, OPEN CIRCUIT
 E 9136 31 Solenoid valve 6. Solenoid valve 6, fast decay error (bank off)
 E 9136 11 Solenoid valve 6. Solenoid valve 6, current level error (bank off)
 E 9150 16 Rail pressure sensor. Rail pressure, negative deviation
 E 9150 18 Rail pressure sensor. Rail pressure, positive deviation
 E 9150 5 Rail pressure sensor. Rail pressure, leakage detected during idle
 E 9150 8 Rail pressure sensor. Rail pressure, leakage detected through quantity balance
 E 9150 31 Rail pressure sensor. Rail pressure, leakage detected during overrun
 E 9151 31 Pressure regulating valve. PRV recognized as OPEN
 E 9151 7 Pressure regulating valve. PRV is sticking
 E 9152 31 Fuel filter pressure sensor. Fuel filter pressure, fluctuating
 E 9153 31 Fuel filter pressure sensor. Fuel filter pressure sensor, loose contact
 E 9170 6 Lift pump control. Lift pump control (ECU), short circuit to earth
 E 9170 5 Lift pump control. Lift pump control (ECU), open circuit
 E 9171 6 Preheater control. Preheater control, short circuit to earth
 E 9171 5 Preheater control. Preheater control, open circuit
 E 9172 6 Starter relay control. Start relay control, short circuit to earth (lower side)
 E 9172 3 Starter relay control. Start relay control, short circuit to BAT + (lower side)
 E 9172 5 Starter relay control. Start relay control, open circuit (lower side)
 E 9172 31 Starter relay control. Start relay control, excessive temperature (lower side)
 E 9173 6 Starter relay control. Start relay control, short circuit to earth (upper side)
 E 9173 3 Starter relay control. Start relay control, short circuit to BAT + (upper

side)

E 9174 6 MPROP control. MPROP control, short circuit to earth
E 9174 3 MPROP control. MPROP control, short circuit to BAT +
E 9174 5 MPROP control. MPROP control, open circuit
E 9174 31 MPROP contro. MPROP control, excessive temperature
E 9230 31 Diagnostic ID module. Engine specification mismatch
E 9231 31 Diagnostic ID module. Engine serial number mismatch
E 9233 31 Diagnostic ID module. ID module not present
E 9234 31 Diagnostic ID module. ID not compatible with current ECU
E 9235 31 Diagnostic ID module. ID module memory fault
E 9235 3 Diagnostic ID module ID module, supply voltage HIGH (> 32.0 V)
E 9235 4 Diagnostic ID module. ID module memory fault
E 9235 16 Diagnostic ID module. ID temperature, temperature HIGH (> 95 ° C)
E 9236 31 Diagnostic ID module. ID module additional memory defect
E 9237 31 Diagnostic ID module. ID module, monitoring reset
E 9238 31 Diagnostic ID module. ID module, brownout reset
E 9239 31 Diagnostic ID module. Engine specification missing
E 9240 31 Diagnostic ID module. Engine serial number missing
E 9241 31 Diagnostic ID module. ID module not present, bypass active
E 9242 31 Diagnostic ID module. Generated bypass time expired
E 9243 31 Diagnostic ID module. Maximum ECU bypass time expired
E 9244 31 Diagnostic ID module. ID module recovery
E 9303 31 Speed ??regulator UI fault
E 9304 31 Vehicle speed missing
E 9305 31 Incorrect digital input configuration
E 9306 31 PTO input error
E 9310 31 Fault with external digital input 1
E 9311 31 Fault with external digital input 2
E 9312 31 Torque control input
E 9317 31 DCU not present
U 168 0 Battery voltage monitoring: Voltage higher than normal
U 168 1 Battery voltage monitoring: Voltage lower than normal
U 168 3 Battery voltage monitoring: Voltage too high
U 168 4 Battery voltage monitoring: Voltage too low
U 441 0 Catalyst downstream temperature sensor: Temperature too high
U 441 1 Catalyst downstream temperature sensor: Temperature too low
U 441 2 Catalyst temp. downstream sensor plaus. Error: Static Plausibility
U 441 3 Catalyst downstream temperature sensor: Shortcut to Battery +
U 441 4 Catalyst downstream temperature sensor: Shortcut to Ground
U 441 11 Downstream catalyst temperature - physical error: Catalyst Temperature not OK
U 441 16 Catalyst temp. downstream sensor plaus. error: Dynamic plausibility, upper threshold
U 441 18 Catalyst temp. downstream sensor plaus. Error: Dynamic plausibility, lower threshold
U 442 0 Catalyst upstream temperature sensor: Temperature too high
U 442 1 Catalyst upstream temperature sensor: Temperature too low
U 442 2 Catalyst temp. upstream sensor plaus. error: Static Plausibility
U 442 3 Catalyst upstream temperature sensor: Shortcut to Battery +
U 442 4 Catalyst upstream temperature sensor: Shortcut to Ground
U 442 16 Catalyst temp. upstream sensor plaus. error: Dynamic plausibility, upper threshold
U 442 18 Catalyst temp. upstream sensor plaus. error: Dynamic plausibility, lower threshold
U 697 3 Back flow line heater power stage error: Shortcut to Battery +
U 697 5 Back flow line heater power stage error: Open load
U 697 6 Back flow line heater power stage error: Shortcut to Ground
U 698 3 Cooling line heater power stage error: Shortcut to Battery +
U 698 5 Cooling line heater power stage error: Open load

U 698 6 Cooling line heater power stage error: Shortcut to Ground
U 699 3 Inlet line heater power stage error: Shortcut to Battery +
U 699 5 Inlet line heater power stage error: Open load
U 699 6 Inlet line heater power stage error: Shortcut to Ground
U 700 3 Pressure line heater power stage error: Shortcut to Battery +
U 700 5 Pressure line heater power stage error: Open load
U 700 6 Pressure line heater power stage error: Shortcut to Ground
U 1079 3 Sensor Supply Voltage 1 monitoring: Shortcut to Battery +
U 1079 4 Sensor Supply Voltage 1 monitoring: Shortcut to Ground
U 1080 3 Sensor Supply Voltage 2 monitoring: Shortcut to Battery +
U 1080 4 Sensor Supply Voltage 2 monitoring: Shortcut to Ground
U 1387 0 Urea pressure monitoring: Pressure too high
U 1387 1 Urea pressure monitoring: Pressure too low
U 1387 2 Urea pressure sensor plausibility error: Dynamic plausibility
U 1388 3 Urea pressure sensor: Shortcut to Battery +
U 1388 4 Urea pressure sensor: Shortcut to Ground
U 1388 11 Urea pressure sensor: Supply voltage above upper or below lower limit
U 1485 3 Main relay error: No shut off of main relay
U 1485 6 Main relay error: Shut off too soon
U 1677 0 Modular Heater State Machine Error: Inlet line frozen error
U 1677 1 Modular Heater State Machine Error: Pressure line frozen error
U 1677 2 Modular Heater State Machine Error: Pressure build - up error
U 1677 3 Modular Heater State Machine Error: Back flow line frozen error
U 1761 2 Urea Tank Level Sensor error: Range error of tank level
U 1761 3 Urea Tank Level Sensor error: Signal above upper limit
U 1761 4 Urea Tank Level Sensor error: Signal below lower limit
U 1761 5 Urea tank error: Open circuit in level sensor
U 1761 6 Urea tank error: Level sensor shortcut to GND
U 1761 9 Urea Tank Level Sensor error: Message overridden
U 1761 11 Urea tank error: Tank empty
U 1761 14 Urea Tank Level Sensor error: Supply Signal above upper or below lower limit
U 1761 17 Urea tank error: Tank level low
U 1761 18 Urea tank error: Tank level VERY low
U 1761 19 Urea Tank Level Sensor error: Time out
U 2854 2 CAN Rx Frame: Range error, barometric pressure or ambient air temp
U 2854 9 CAN Rx Frame: Message overridden
U 2854 19 CAN Rx Frame: Time out
U 2855 2 CAN Rx Frame: Range error of NOx / O2 concentration or status
U 2855 9 CAN Rx Frame: Message overridden
U 2855 19 CAN Rx Frame: Time out
U 2856 2 CAN Rx Frame: Range error of NOx / O2 concentration or status
U 2856 9 CAN Rx Frame: Message overridden
U 2856 19 CAN Rx Frame: Time out
U 2857 2 CAN Bus Off: CAN Bus 2
U 2857 19 CAN Bus Off: CAN Bus 1
U 2858 2 CAN Frame Error: Long Term Error Active or Error Suppression signal is out of range
U 2859 2 Message: Range error of UreaQ / Heating or Dosing Status / PTO / Exh. gas mass or temp.
U 2859 9 CAN Frame Error: Message overridden
U 2859 19 CAN Frame Error: Time out
U 2860 2 CAN Frame Error: Range error of Exhaust Mass flow or Dew Point Error Code
U 2860 9 CAN Frame Error: Message overridden
U 2860 19 CAN Frame Error: Time out
U 2861 2 CAN Frame Error: Range error of EGR Valve Control signal
U 2861 9 CAN Frame Error: Message overridden
U 2861 19 CAN Frame Error: Time out
U 2862 2 CAN Frame Error: Message overridden

U 2862 19 CAN Frame Error: Time out
U 2863 2 CAN Frame Error: Range error of Engine speed
U 2863 9 CAN Frame Error: Message overridden
U 2863 11 CAN Frame Error: Range error of Driver demand% engine torque
U 2863 13 CAN Frame Error: Range error of Engine torque
U 2863 19 CAN Frame Error: Time out
U 2864 2 CAN Frame Error: Range error of Engine inlet air mass flow rate
U 2864 9 CAN Frame Error: Message overridden
U 2864 19 CAN Frame Error: Time out
U 2865 2 CAN Frame Error: Range error of Actual Retarder Percent Torque
U 2865 9 CAN Frame Error: Message overridden
U 2865 19 CAN Frame Error: Time out
U 2866 2 CAN Frame Error: Range error of Coolant or Engine oil temperature signal
U 2866 9 CAN Frame Error: Message overridden
U 2866 19 CAN Frame Error: Time out
U 2867 2 CAN Frame Error: Range error of Boost pressure or Intake Manifold 1 Temp.
U 2867 9 CAN Frame Error: Message overridden
U 2867 19 CAN Frame Error: Time out
U 2868 2 CAN Frame Error: Range error of external desired NOx emissions
U 2868 9 CAN Frame Error: Message overridden
U 2868 19 CAN Frame Error: Time out
U 2869 2 CAN Frame Error: Range error of Fuel injection quantity
U 2869 9 CAN Frame Error: Message overridden
U 2869 10 CAN Frame Error: Range error of Urea tank level
U 2869 11 CAN Frame Error: Range error of Urea tank temperature
U 2869 12 CAN Frame Error: Range error of NOx concentration from NOx sensor 2
U 2869 13 CAN Frame Error: Range error of NOx Status byte from NOx sensor 2
U 2869 19 CAN Frame Error: Time out
U 2870 2 CAN Frame Error: Range error of Vehicle speed
U 2870 9 CAN Frame Error: Message overridden
U 2870 19 CAN Frame Error: Time out
U 2871 2 CAN Frame Time Date Error: Range error
U 2871 9 CAN Frame Time Date Error: Message overridden
U 2871 19 CAN Frame Time Date Error: Time out
U 2872 8 DCU or Heater ON error: Time out - Timer 16 elapsed
U 2872 9 DCU or Heater ON error: Time out - Timer elapsed
U 2872 10 DCU or Heater ON error: Time out - Timer elapsed
U 3031 0 Urea Tank Temperature Sensor error: Signal Above Error
U 3031 1 Urea Tank Temperature Sensor error: Signal Above Error
U 3031 2 Urea Tank Temperature Sensor error: J1939 error of Urea tank temp. signal
U 3031 3 Urea Tank Temperature Sensor error: Signal High Error
U 3031 4 Urea Tank Temperature Sensor error: Signal Low Error
U 3031 9 Urea Tank Temperature Sensor error: Message overridden error
U 3031 11 Plausibility check of urea tank temperature sensor: Signal not plausible
U 3031 19 Urea Tank Temperature Sensor error: Time out error
U 520201 0 Monitoring of Supply Module temperature: Temperature too high
U 520201 1 Monitoring of Supply Module temperature: Temperature too low
U 520201 3 Monitoring of Supply Module temperature: Shortcut to Battery +
U 520201 4 Monitoring of Supply Module temperature: Shortcut to Ground
U 520220 9 EEPROM error: EEPROM communication error
U 520221 15 Frozen cycles counter error: Counter threshold exceeded
U 520221 16 Frozen cycles counter error: Counter 2 threshold exceeded
U 520222 11 Emergency Shut Off: Over temperature detected (> 85 °C)
U 520224 7 Tank Heater Valve Error: Detection of valve blocked open
U 520225 11 Urea Consumption Error: Urea consumption not plausible
U 520226 11 Urea Dosing Error: Dosing interrupted
U 520227 11 Urea Quality Error: Insufficient urea quality
U 520228 11 NOx emission control error: NOx threshold exceeded
U 520229 11 Urea Level Monitoring: Tank empty

U 520234 3 Diagnostic lamp power stage error: Shortcut to Battery +
U 520234 5 Diagnostic lamp power stage error: Open load
U 520234 6 Diagnostic lamp power stage error: Shortcut to Ground
U 520236 3 Filter outlet connector heater power stage error: Shortcut to Battery +
U 520236 5 Filter outlet connector heater power stage error: Open load
U 520236 6 Filter outlet connector heater power stage error: Shortcut to Ground
U 520237 3 Pressure compensation heater error: Shortcut to Battery +
U 520237 5 Pressure compensation heater error: Open load
U 520 237 6 Pressure compensation heater error: Shortcut to Ground
U 520238 3 Filterbox module heater power stage error: Shortcut to Battery +
U 520238 5 Filterbox module heater power stage error: Open load
U 520238 6 Filterbox module heater power stage error: Shortcut to Ground
U 520239 3 Pump module heater power stage error: Shortcut to Battery +
U 520239 5 Pump module heater power stage error: Open load
U 520239 6 Pump module heater power stage error: Shortcut to Ground
U 520241 3 Urea dosing valve power stage error: Shortcut to Battery +
U 520241 5 Urea dosing valve power stage error: Open load
U 520241 6 Urea dosing valve power stage error: Shortcut to Ground
U 520241 7 Plausibility check of Urea Dosing Valve Stuck: UDV stuck closed
U 520241 14 Plausibility check of valve position stuck: Valve position unknown
U 520241 8 Plausibility check of Urea Dosing Valve Stuck: UDV stuck open
U 520242 3 Urea tank heater power stage error: Shortcut to Battery +
U 520242 5 Urea tank heater power stage error: Open load
U 520242 6 Urea tank heater power stage error: Shortcut to Ground
U 520243 2 Urea level plausibility error: Signal not plausible
U 520244 5 Pump speed evaluation error: Pump motor unplugged
U 520244 7 Pump speed evaluation error: Pump Motor Blocked
U 520244 8 Pump speed evaluation error: Over Speed ??condition
U 520244 12 Pump speed evaluation error: Pump Speed ??Sensor defective
U 520246 2 Plausibility check of urea tank temperature sensor: Signal not plausible
U 520248 3 Coolant control valve power stage error: Shortcut to Battery +
U 520248 5 Coolant control valve power stage error: Open load
U 520249 3 Reverting valve power stage error: Shortcut to Battery +
U 520249 5 Reverting valve power stage error: Open load
U 520249 6 Reverting valve power stage error: Shortcut to Ground
U 520250 6 Coolant control valve power stage error: Shortcut to Ground
U 520253 7 Detection of blocked pressure line: Blockage detected in state 1
U 520254 7 Detection of blocked backflow line: Block detected
U 520257 11 Static urea leakage test: Leakage detected
U 520260 7 Urea pressure buildup: Pressure buildup failed
U 520261 7 Urea pressure buildup: Error path bit 3 active
U 520262 2 Temperature plausibility during commissioning: Too cold during urea commissioning
U 520264 2 Urea pressure plausibility check: Urea pressure not plausible
U 520265 2 Urea box temperature - physical error: Box temperature too high or too low
U 520266 7 Vent Valve Error: CCV State machine, error path bit 3 active
U 520268 7 Reverting valve monitoring: Valve defect detected
U 520269 7 Vent Valve Error: Urea pressure not reduced
U 520273 3 Analog feedback signal for Main Relay 1: Shortcut to Battery +
U 520273 5 Analog feedback signal for Main Relay 1: Open circuit
U 520274 3 Analog feedback signal for Main Relay 2: Shortcut to Battery +
U 520274 4 Analog feedback signal for Main Relay 2: Shortcut to Ground
U 520274 5 Analog feedback signal for Main Relay 2: Open circuit
U 520275 3 Analog feedback signal for Main Relay 3: Shortcut to Battery +
U 520275 4 Analog feedback signal for Main Relay 3: Shortcut to Ground
U 520275 5 Analog feedback signal for Main Relay 3: Open circuit
U 520276 3 Monitoring of Supply Voltage: Shortcut to Battery +
U 520276 4 Monitoring of Supply Voltage: Shortcut to Ground

U 520277 3 Battery voltage monitoring: Voltage too high
 U 520277 4 Battery voltage monitoring: Voltage too low
 U 520296 11 Dosing Strategy Monitoring Module NOx conversion efficiency: Threshold 1 error
 U 520297 11 Dosing Strategy Monitoring Module NOx conversion efficiency: Threshold 2 error
 U 520298 2 Evaluation of Atmospheric Pressure: Range error of Barometric pressure
 U 520299 2 Terminal 15 circuit defect: Ignition switch plausibility error
 U 520301 2 NOx sensor concentration signal error: Plausibility check
 U 520301 3 NOx sensor concentration signal error: Short circuit
 U 520301 5 NOx sensor concentration signal error: Open wire
 U 520301 11 NOx sensor concentration signal error: Other NOx errors
 U 520301 17 NOx sensor concentration signal error: Sensor supply not in range
 U 520302 2 NOx heater signal from NOx sensor: Plausibility check
 U 520302 3 NOx heater signal from NOx sensor: Short circuit
 U 520302 5 NOx heater signal from NOx sensor: Open wire
 U 520302 11 NOx heater signal from NOx sensor: Other NOx errors
 U 520308 2 NOx sensor plausibility error: Signal not plausible
 U 520309 7 Start Up Cycle Counter for Pressure Drop during Dosing: Max. limit of counter exceeded
 U 520310 2 Urea box temperature - physical error: Urea Temperature too high or too low
 T 4105 X34 - Transmission oil high pressure sensor 2 Signal error - 8.5 V supply error
 T 4107 X9 - Transmission oil high pressure sensor 1 Signal error - 8.5 V supply error
 T 4108 X17 - Hare / Tortoise range position sensor Signal error - 8.5 V supply error
 T 4121 Signal error
 T 4127 X10 - Collecting shaft speed sensor Signal error
 T 4128 X18 - Transmission control module Signal error
 T 412A X8 - Bevel gear theoretical speed sensor Signal error
 T 412B X123 - Hare / Tortoise range shift switch Signal error
 T 4131 X10 - Collecting shaft speed sensor Direction of rotation signal error
 T 4142 Rotation speed signal error
 T 4144 X25 - Engine speed sensor Signal error
 T 4145 X8 - Bevel gear theoretical speed sensor Signal error
 T 4150 X20 - Transmission filter blockage switch Filter blocked
 T 4153 X19 - Transmission hydraulic oil temperature sensor Transmission oil temperature higher than 110 °C
 T 4156 X20 - Transmission filter blockage switch Signal error
 T 4158 Transmission slip monitor The transmission output speed indicates over 30% slippage compared to the value given
 T 4159 Engagement of limp home mode. Manual engagement of limp home mode without reason. Limp home mode error
 T 4161 X14 - Tortoise range solenoid valve Control error when shifting from Hare to Tortoise mode
 T 4162 X13 - Hare range solenoid valve Control error when shifting from Tortoise to Hare mode
 T 4163 X11 - Solenoid valve limiting speed to 30 kph Control error
 T 4164 X12 - Coupler function solenoid valve PWM control error
 T 4172 X20 - Transmission filter blockage switch Signal error
 T 4173 X19 - Transmission hydraulic oil temperature sensor Signal error
 T 4182 X8 - Bevel gear theoretical speed sensor
 Inconsistent speeds
 000000000000X10 - Collecting shaft speed sensor
 T 4183 X8 - Bevel gear theoretical speed sensor. Inconsistent direction of rotation.
 000000000000X10 - Collecting shaft speed sensor

T 4185 X25 - Engine speed sensor Inconsistent speed
 T 4186 X9 - Transmission oil high pressure sensor 1. Inconsistent values
 000000000000X34 - Transmission oil high pressure sensor 2
 T 4189 X19 - Transmission hydraulic oil temperature sensor Inconsistent value
 T 4192 X67 - Right-hand brake pedal sensor Data transfer interrupted
 T 4193 X66 - Left-hand brake pedal sensor Data transfer interrupted
 T 41A0 X18 - Transmission control module Control of control module interrupted
 T 41A1 X18 - Transmission control module The angle of rotation is limited, but not
 by the speed limiting solenoid valve
 T 41A2 X18 - Transmission control module. The CAN network control is interrupted
 000000000000X174 - Autotronic 4 transmission controller
 T 41A3 X18 - Transmission control module Increment sensor signal (internal actual
 position sensor) interrupted or illogical
 T 41A4 X18 - Transmission control module Autotronic 4 signal interrupted or
 illogical
 T 41A5 X18 - Transmission control module Reference output (Position 000) not found
 at start-up
 T 41A6 X18 - Transmission control module Reference point signal interrupted during
 operation
 T 41B0 CAN network Initialization error
 T 41B1 X174 - Autotronic 4 transmission controller Illogical range shift
 T 41B2 X174 - Autotronic 4 transmission controller Faulty programming
 T 41B3 X174 - Autotronic 4 transmission controller Faulty programming
 T 41B4 X174 - Autotronic 4 transmission controller Faulty programming
 T 41B5 X174 - Autotronic 4 transmission controller Faulty programming
 T 41C1 X174 - Autotronic 4 transmission controller The engine has stalled due to
 transmission overload
 T 41CF X174 - Autotronic 4 transmission controller Internal error (RAM / EEPROM)
 T 41E0 X174 - Autotronic 4 transmission controller Coupler function reference curve
 incorrectly inter- preted, faulty programming
 000000000000X12 - Coupler function solenoid valve Signal error
 T 41E1 X174 - Autotronic 4 transmission controller Faulty programming
 T 41E2 X174 - Autotronic 4 transmission controller Faulty programming
 T 41E3 X174 - Autotronic 4 transmission controller Faulty programming
 T 41E4 X174 - Autotronic 4 transmission controller Faulty programming
 T 41E5 X174 - Autotronic 4 transmission controller Faulty programming
 T 41E6 X174 - Autotronic 4 transmission controller Faulty programming
 T 41E7 X174 - Autotronic 4 transmission controller Faulty programming
 T 41E9 X174 - Autotronic 4 transmission controller Faulty programming
 T 41EA X174 - Autotronic 4 transmission controller Faulty programming
 T 41EB X17 - Hare / Tortoise range position sensor Calibration error or sensor
 value out of tolerance ranges
 T 41EE X174 - Autotronic 4 transmission controller Faulty programming
 T 41EF X174 - Autotronic 4 transmission controller Faulty programming
 T 41FF X174 - Autotronic 4 transmission controller Internal error (RAM / EEPROM)
 T 5131 X137 - 4WD switch. Incorrect manual engagement signal
 T 5132 Incorrect automatic engagement signal
 T 5133 X5 - 4WD solenoid valve Control error
 T 5151 X136 - Differential lock switch Signal error
 T 5153 X6 - Differential lock solenoid valve Control error
 T 5154 X66 - Left-hand brake pedal sensor Signal error
 T 5555 X67 - Right-hand brake pedal sensor Signal error
 T 6101 X128 - Rear PTO ON / OFF switch Signal error
 T 6103 X94 - PTO ON / OFF switch on left-hand fender. Signal error
 T 6104 X7 - Rear PTO solenoid valve. Control error
 T 6105 X15 - PTO clutch speed sensor. Signal error
 T 6110 X16 - PTO shaft speed sensor. Signal error
 T 6111 X118 - Automatic PTO switch. Signal error
 T 6113 X16 - PTO shaft speed sensor. Overspeed

T 6115 X145 - PTO / linkage console. Signal error
 T 6116 X145 - PTO / linkage console. Signal error
 T 6117 X145 - PTO / linkage console. Signal error
 T 6118 X145 - PTO / linkage console. Signal error
 T 611A X3 - 540 rpm PTO speed solenoid valve. Control error
 T 611B X3 - 540 rpm PTO speed solenoid valve. Control error
 T 611C X4 - 1000 rpm PTO speed solenoid valve. Control error
 T 6141 X128 - Rear PTO ON / OFF switch. Pressed down for over 30 seconds, mechanical or electrical error on switch
 T 6143 X94 - PTO ON / OFF switch on left-hand fender. Pressed down for over 30 seconds, mechanical or electrical error on switch
 T 6145 X15 - PTO clutch speed sensor. NEUTRAL speed selection, PTO not activated, X15 displays a speed, the clutch disc does not separate, PTO brake does not engage selected speed, PTO clutch 100% engaged, over 20% difference between PTO clutch speed and engine speed. PTO clutch disc slips: clutch slippage. PTO clutch speed is lower than output shaft speed, X15 sensor supply voltage error.
 T 6150 X16 - PTO shaft speed sensor. The PTO shaft speed is higher than 1300 rpm, signal error (X16 or X15). The selected speed is lower than the PTO output shaft speed, X16 sensor supply voltage error, speed solenoid valve (X4, X3) locked in deactivated position.
 T 6155 X145 - PTO / linkage console Pressed down for over 30 seconds, mechanical or electrical error on switch
 T 6156 X145 - PTO / linkage console Pressed down for over 30 seconds, mechanical or electrical error on switch
 T 6157 X145 - PTO / linkage console Pressed down for over 30 seconds, mechanical or electrical error on switch
 T 6158 X145 - PTO / linkage console Pressed down for over 30 seconds, mechanical or electrical error on switch
 T 6160 X15 - PTO clutch speed sensor. Difference of at least 12% between the output shaft speed and PTO clutch speed, speed solenoid valve (X4, X3) incorrectly connected or seized up. Mechanical fault with speed selection. Signal error to sensors (X15, X16)
 000000000000X16 - PTO shaft speed sensor
 T 61A1 X128 - Rear PTO ON / OFF switch. Communication error
 T 61B0 X128 - Rear PTO ON / OFF switch. Initialization error
 T 61B5 X145 - PTO / linkage console. Communication error
 T 61B6 X145 - PTO / linkage console. Communication error
 T 61B7 X145 - PTO / linkage console. Communication error
 T 61B8 X145 - PTO / linkage console. Communication error
 T 61E0 X174 - Autotronic 4 transmission controller. Faulty programming
 T 61E1 X174 - Autotronic 4 transmission controller Faulty programming
 L 6 X149 - Headlights module (black connector). One or more bulb (s) missing
 X305 - Headlights module (gray connector)
 L 7 X149 - Headlights module (black connector). No connection with the keypad
 X305 - Headlights module (gray connector)
 L 8 X149 - Headlights module (black connector). EEPROM checksum
 000000 X305 - Headlights module (gray connector)
 L 9 X149 - Headlights module (black connector). CAN connection problem
 X305 - Headlights module (gray connector)
 P 131 X38 - Trailer braking proportional solenoid valve. Open circuit
 P 132 Short circuit to earth (-)
 P 133 Short circuit to +12 V. No. Components concerned Causes
 P 141 X39 - Trailer braking safety solenoid valve. Open circuit
 P 142 Short circuit to earth (-)
 P 143 Short circuit to +12 V
 P 151 X37 ParkLock pressure reversing solenoid valve. Open circuit
 P 152 Short circuit to earth (-)
 P 153 Short circuit to +12 V
 P 171 X135 - Braking pressure sensor. Signal error

P 172 X35 - ParkLock hydraulic system pressure sensor. Signal error
 P 173 X21 - ParkLock brake pressure sensor. Signal error
 FA 211 X178 - ParkLock / suspended front axle / passive suspended cab Autotronic 5. Calibration fault
 FA 221 X166 - Suspended front axle position sensor. Sensor value too high
 FA 222 Sensor value too low
 FA 224 Calibration too low
 FA 225 Calibration too high
 FA 231 X154 - Suspended front axle lifting solenoid valve. Open circuit
 FA 232 Short circuit to +12 V
 FA 233 Short circuit to earth (-)
 FA 234 X159 Suspended front axle lowering solenoid valve. Open circuit
 FA 235 Short circuit to +12 V
 FA 236 Short circuit to earth (-)
 FA 237 X161 - Solenoid valve 1 for suspended front axle suspension. Open circuit
 FA 238 Short circuit to +12 V
 FA 239 Short circuit to earth (-)
 FA 241 X139 - Suspended front axle switch. Short circuit
 R 11 X27 Rear linkage lifting solenoid valve. Open circuit
 000000000 X28 Rear linkage lowering solenoid valve
 R 12 X27 Rear linkage lifting solenoid valve. Short circuit
 R 13 X28 Rear linkage lowering solenoid valve. Short circuit
 R 14 X174 Autotronic 4 transmission controller. No CAN unlocking signal
 R 15 X87 Linkage lifting / lowering switch on right-hand fender. Incorrect signal
 000000000 X97 Linkage lifting / lowering switch on left-hand fender
 R 16 X177 Autotronic 5 Linkage. Battery voltage <11 V or> 16 V
 R 17 Checksum error
 R 18 X119 Rear linkage lifting / lowering switch. Incorrect signal
 R 19 X177 Autotronic 5 Linkage. Parameter loss
 R 22 X30 Rear linkage position sensor. Incorrect signal
 R 23 X121 Rear linkage height / depth adjustment thumb wheel. Incorrect signal
 R 24 X145 PTO / linkage console. Incorrect signal
 R 31 X32 - Rear linkage left-hand draft sensor. Incorrect signal
 R 32 X31 - Rear linkage right-hand draft sensor. Incorrect signal
 R 33 Front linkage suspension sensor. Signal incorrect or incorrect calibration
 R 34 X145 - PTO / linkage console. Incorrect signal
 R 35 X145 - PTO / linkage console. Incorrect signal
 R 36 X145 - PTO / linkage console. Incorrect signal
 R 41 X32 - Rear linkage left-hand draft sensor. Saturation
 R 42 X31 - Rear linkage right-hand draft sensor. Saturation
 C 21 X261 Front right-hand unit for suspended cab. Open circuit
 C 22 Short circuit to +12 V
 C 23 Short circuit to earth (-)
 C 24 X262 Front left-hand unit for suspended cab. Open circuit
 C 25 Short circuit to +12 V
 C 26 Short circuit to earth (-)
 C 27 X50 Suspended cab front lowering solenoid valve. Open circuit
 C 28 Short circuit to +12 V
 C 29 Short circuit to earth (-)
 C 30 X49 Suspended cab rear lowering solenoid valve. Open circuit
 C 31 Short circuit to +12 V
 C 32 Short circuit to earth (-)
 C 33 X48 Rear left-hand unit for suspended cab. Open circuit
 C 34 Short circuit to +12 V
 C 35 Short circuit to earth (-)
 C 36 X47 Rear right-hand unit for suspended cab. Open circuit
 C 37 Short circuit to +12 V
 C 38 Short circuit to earth (-)
 C 39 X54 Suspended cab lifting solenoid valve. Open circuit

C 40 Short circuit to +12 V
C 41 Short circuit to earth (-)
C 42 X48 Rear left-hand position sensor. Range error
C 43 X262 Front left-hand position sensor. Range error
C 44 X47 Rear right-hand position sensor. Range error
C 45 X261 Front right-hand position sensor. Range error
AR 01 X104 - Armrest Autotronic 5.10 V output fault
AR 02 X104 - Armrest Autotronic 5. VIN Error - Vehicle electronic identification incorrect
AR 11 X307 Finger TIP 1. Short circuit 0 V
AR 12 Short circuit to 12 V
AR 21 X308 Finger TIP 2. Short circuit 0 V
AR 22 Short circuit to 12 V
AR 31 X108 Finger TIP 3. Short circuit 0 V
AR 32 Short circuit to 12 V. No. Components concerned
AR 41 X109 Finger TIP 4. Short circuit 0 V
AR 42 Short circuit to 12 V
AR 51 X110 Finger TIP 5. Short circuit 0 V
AR 52 Short circuit to 12 V
AR 61 X130 Finger TIP 6 front linkage function. Short circuit 0 V
AR 62 Short circuit to 12 V
AR 71 X122 Hand throttle. Short circuit 0 V
AR 72 Short circuit to 12 V
AR 81 X121 Rear linkage height / depth adjustment thumb wheel. Short circuit 0 V
AR 82 Short circuit to 12 V
AR 91 X106 Transmission lever in armrest. Short circuit 0 V
AR 92 Short circuit to 12 V

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