

Daf Dtc Codes

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Node	DTC ISO	FailureEvent	FTB_Name	FunctBehaviorDesc	PossibleRootCause	ProcedureEraseConfirmed	ProposedWorkshopAction	ProprietaryName
ACM	U000188	((It has not been possible to send frames on High Speed CAN Communication Bus) and (It has not been possible to receive frames on High Speed CAN Communication Bus))	Bus off	None	Lost communication on High Speed CAN Communication Bus	Diagnostic Service 14. No additional action is needed.	Check: Lost communication on High Speed CAN Communication Bus If fault not detected: Fault trace according to Tech Tool fault tree.	CAN Communication Backbone 2 Net
ACM	U001088	((It has not been possible to send frames on Medium Speed CAN Communication Bus) and (It has not been possible to receive frames on Medium Speed CAN Communication Bus))	Bus off	Auxiliary brakes, low performance (Reduced retarder braking)	Lost communication on Medium Speed CAN Communication Bus	Diagnostic Service 14. No additional action is needed.	Check: Lost communication on Medium Speed CAN Communication Bus If fault not detected: Fault trace according to Tech Tool fault tree.	CAN Communication Backbone 1 Net
ACM	U010000	(Lost communication with ECM on Medium Speed CAN Communication Bus)	No Sub Type Information	Auxiliary brakes, low performance (Reduced retarder braking)	ECM not powered Software incompatibility with ECM	Diagnostic Service 14. No additional action is needed.	Check: ECM not powered Software incompatibility with ECM	Lost Communication with EMS
ACM	P054401	((Voltage on A:42 above 2.260742V and Voltage on A:42 below 4.852295V) or (Voltage on A:42 above 0.147705V and Voltage on A:42 below 0.677490V))	General Electrical Failure	None	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault	Exhaust Gas Temperature Sensor Bank 1 Sensor 1
ACM	P054411	Voltage on A:42 below 0.147705V	Circuit Short To Ground	Regeneration not possible	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault If fault not detected: Fault trace according to Tech Tool fault tree.	Exhaust Gas Temperature Sensor Bank 1 Sensor 1
ACM	P054415	Voltage on A:42 above 4.852295V	Circuit Short To Battery or Open	Regeneration not possible	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault If fault not detected: Fault trace according to Tech Tool fault tree.	Exhaust Gas Temperature Sensor Bank 1 Sensor 1
ACM	P205A01	(Voltage on A:18 above 4.794922V and Voltage on A:18 below 4.852295V)	General Electrical Failure	None	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault	Reductant Tank Temperature Sensor
ACM	P205A11	Voltage on A:18 below 0.037842V	Circuit Short To Ground	None	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault	Reductant Tank Temperature Sensor

Node	DTC ISO	FailureEvent	FTB_Name	FunctBehaviorDesc	PossibleRootCause	ProcedureEraseConfirmed	ProposedWorkshopAction	ProprietaryName
ACM	P205A13	Voltage on A:18 above 4.852295V	Circuit Open	None	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault	Reductant Tank Temperature Sensor
ACM	P205A64	(Temperature rise not above 3°C)	Signal Plausibility Failure	None	Coolant level low Extremely cold weather conditions Coolant valve damaged	Diagnostic Service 14. No additional action is needed.	Check: Coolant level low Extremely cold weather conditions Coolant valve damaged If fault not detected: Fault trace according to Tech Tool fault tree.	Reductant Tank Temperature Sensor
ACM	U300041	(Program memory corruption)	General Checksum Failure	Engine does not start	Download issue	Diagnostic Service 14. No additional action is needed.	Check: Download issue	Electronic control unit
ACM	U300044	(RAM corruption)	Data Memory Failure	Engine does not start	Download issue	Diagnostic Service 14. No additional action is needed.	Check: Download issue	Electronic control unit
ACM	U300045	(Program memory corruptionSoftware memory checksum error)	Program Memory Failure	Engine does not start	Download issue	Diagnostic Service 14. No additional action is needed.	Check: Download issue	Electronic control unit
ACM	U300049	(ECU internal error)	Internal Electronic Failure	Engine does not start	ECU Hardware issue	Diagnostic Service 14. No additional action is needed.	Check: ECU Hardware issue	Electronic control unit
ACM	P203101	((Voltage on A:34 above 2.260742V and Voltage on A:34 below 4.852295V) or (Voltage on A:34 above 0.147705V and Voltage on A:34 below 0.677490V))	General Electrical Failure	None	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault	Exhaust Gas Temperature Sensor Bank 1 Sensor 2
ACM	P203111	Voltage on A:34 below 0.147705V	Circuit Short To Ground	None	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault If fault not detected: Fault trace according to Tech Tool fault tree.	Exhaust Gas Temperature Sensor Bank 1 Sensor 2
ACM	P203115	Voltage on A:34 above 4.852295V	Circuit Short To Battery or Open	None	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault If fault not detected: Fault trace according to Tech Tool fault tree.	Exhaust Gas Temperature Sensor Bank 1 Sensor 2

Node	DTC ISO	FailureEvent	FTB_Name	FunctBehaviorDesc	PossibleRootCause	ProcedureEraseConfirmed	ProposedWorkshopAction	ProprietaryName
ACM	P245211	Voltage on A:26 below 0.147705V	Circuit Short To Ground	None	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault If fault not detected: Fault trace according to Tech Tool fault tree.	Particulate Filter Pressure Sensor "A"
ACM	P245213	Voltage on A:26 above 4.901123V	Circuit Open	None	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault If fault not detected: Fault trace according to Tech Tool fault tree.	Particulate Filter Pressure Sensor "A"
ACM	P20BD11	(Short circuit to ground is detected.)	Circuit Short To Ground	None	Harness, actuator or connector is short circuited to ground voltage.	Diagnostic Service 14. No additional action is needed.	Check: Harness, actuator or connector is short circuited to ground voltage.	Reductant Heater "B" Control
ACM	P20BD12	(Short circuit to battery is detected.)	Circuit Short To Battery	None	Harness, actuator or connector is short circuited to battery voltage.	Diagnostic Service 14. No additional action is needed.	Check: Harness, actuator or connector is short circuited to battery voltage.	Reductant Heater "B" Control
ACM	P20BD13	(Open circuit fault is detected.)	Circuit Open	None	Open circuit in harness, actuator or connector.	Diagnostic Service 14. No additional action is needed.	Check: Open circuit in harness, actuator or connector.	Reductant Heater "B" Control
ACM	U014100	(Lost communication with BCM on Medium Speed CAN Communication Bus)	No Sub Type Information	None	BCM not powered Software incompatibility with BCM	Diagnostic Service 14. No additional action is needed.	Check: BCM not powered Software incompatibility with BCM If fault not detected: Fault trace according to Tech Tool fault tree.	Lost Communication With VMCU
ACM	U015500	(Lost communication with IPC on Medium Speed CAN Communication Bus)	No Sub Type Information	None	IPC not powered Software incompatibility with IPC	Diagnostic Service 14. No additional action is needed.	Check: IPC not powered Software incompatibility with IPC If fault not detected: Fault trace according to Tech Tool fault tree.	Lost Communication With Instrument Panel Cluster (IPC) Control Module

Node	DTC ISO	FailureEvent	FTB_Name	FunctBehaviorDesc	PossibleRootCause	ProcedureEraseConfirmed	ProposedWorkshopAction	ProprietaryName
ACM	P066601	((Voltage on N/A:ECU internal above 2.874756V and Voltage on N/A:ECU internal below 4.852295V) or (Voltage on N/A:ECU internal above 0.147705V and Voltage on N/A:ECU internal below 1.237793V))	General Electrical Failure	None	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault	Control Module Internal Temperature Sensor "A"
ACM	P066611	Voltage on N/A:ECU internal below 0.147705V	Circuit Short To Ground	None	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault	Control Module Internal Temperature Sensor "A"
ACM	P066613	Voltage on N/A:ECU internal above 4.852295V	Circuit Open	None	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault	Control Module Internal Temperature Sensor "A"
ACM	P107B01	((Voltage on A:11 above 2.214355V and Voltage on A:11 below 4.852295V) or (Voltage on A:11 above 0.147705V and Voltage on A:11 below 1.165771V))	General Electrical Failure	Auxiliary brakes, low performance (Reduced retarder braking)	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault	Retarder Water Temperature Sensor
ACM	P107B11	Voltage on A:11 below 0.147705V	Circuit Short To Ground	Auxiliary brakes, low performance (Reduced retarder braking)	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault	Retarder Water Temperature Sensor
ACM	P107B13	Voltage on A:11 above 4.852295V	Circuit Open	Auxiliary brakes, low performance (Reduced retarder braking)	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault	Retarder Water Temperature Sensor
ACM	P107C01	((Voltage on A:15 above 2.214355V and Voltage on A:15 below 4.852295V) or (Voltage on A:15 above 0.147705V and Voltage on A:15 below 1.165771V))	General Electrical Failure	None	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault	Retarder Oil Temperature Sensor
ACM	P107C11	Voltage on A:15 below 0.147705V	Circuit Short To Ground	None	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault	Retarder Oil Temperature Sensor
ACM	P107C13	Voltage on A:15 above 4.852295V	Circuit Open	None	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault	Retarder Oil Temperature Sensor
ACM	P107C98	(The retarder oil temperature is above critical limit.)	Component or System Over Temperature	Auxiliary brakes, low performance (Reduced retarder braking)	Bad cooling Sensor malfunction	Diagnostic Service 14. No additional action is needed.	Check: Bad cooling Sensor malfunction	Retarder Oil Temperature Sensor
ACM	P107D11	(Short circuit to ground is detected.)	Circuit Short To Ground	Auxiliary brakes, low performance (Reduced retarder braking)	Harness, actuator or connector is short circuited to ground voltage.	Diagnostic Service 14. No additional action is needed.	Check: Harness, actuator or connector is short circuited to ground voltage.	Retarder Valve

Node	DTC ISO	FailureEvent	FTB_Name	FuncntBehaviorDesc	PossibleRootCause	ProcedureEraseConfirmed	ProposedWorkshopAction	ProprietaryName
ACM	P107D12	(Short circuit to battery is detected.)	Circuit Short To Battery	Auxiliary brakes, low performance (Reduced retarder braking)	Harness, actuator or connector is short circuited to battery voltage.	Diagnostic Service 14. No additional action is needed.	Check: Harness, actuator or connector is short circuited to battery voltage.	Retarder Valve
ACM	P107D13	(Open circuit fault is detected.)	Circuit Open	Auxiliary brakes, low performance (Reduced retarder braking)	Open circuit in harness, actuator or connector.	Diagnostic Service 14. No additional action is needed.	Check: Open circuit in harness, actuator or connector.	Retarder Valve
ACM	P107E01	((Voltage on A:19 above 4.797363V and Voltage on A:19 below 4.852295V) or (Voltage on A:19 above 0.147705V and Voltage on A:19 below 0.202637V))	General Electrical Failure	Auxiliary brakes, low performance (Reduced retarder braking)	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault	Retarder Air Pressure Sensor
ACM	P107E12	Voltage on A:19 above 4.852295V	Circuit Short To Battery	Auxiliary brakes, low performance (Reduced retarder braking)	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault	Retarder Air Pressure Sensor
ACM	P107E13	Voltage on A:19 below 0.147705V	Circuit Open	Auxiliary brakes, low performance (Reduced retarder braking)	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault	Retarder Air Pressure Sensor
ACM	P107E64	(Too big difference between requested retarder pressure and actual retarder pressure.)	Signal Plausibility Failure	Auxiliary brakes, low performance (Reduced retarder braking)	Retarder valve malfunction Air pressure sensor malfunction	Diagnostic Service 14. No additional action is needed.	Check: Retarder valve malfunction Air pressure sensor malfunction	Retarder Air Pressure Sensor
ACM	P107E85	(The retarder air pressure is above critical limit.)	Signal Above Allowable Range	Auxiliary brakes, low performance (Reduced retarder braking)	Retarder valve malfunction Air pressure sensor malfunction	Diagnostic Service 14. No additional action is needed.	Check: Retarder valve malfunction Air pressure sensor malfunction	Retarder Air Pressure Sensor
ACM	P204A01	((Voltage on A:27 above 4.65V and Voltage on A:27 below 4.85V) or (Voltage on A:27 above 0.147V and Voltage on A:27 below 0.3V))	General Electrical Failure	None	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault	Reductant Pressure Sensor
ACM	P204A11	Voltage on A:27 below 0.147V	Circuit Short To Ground	None	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault If fault not detected: Fault trace according to Tech Tool fault tree.	Reductant Pressure Sensor

Node	DTC ISO	FailureEvent	FTB_Name	FunctBehaviorDesc	PossibleRootCause	ProcedureEraseConfirmed	ProposedWorkshopAction	ProprietaryName
ACM	P204A13	Voltage on A:27 above 4.85V	Circuit Open	None	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault If fault not detected: Fault trace according to Tech Tool fault tree.	Reductant Pressure Sensor
ACM	P204A64	(ACM_AirPressure above 250kPa or ((Difference between initial reductant pressure and final reductant pressure during startup) above 30kPa and not ((Difference between initial air pressure and final air pressure during startup) above 20kPa)))	Signal Plausibility Failure	None	Faulty urea pressure sensor Blocked urea line or nozzle	Diagnostic Service 14. No additional action is needed.	Check: Faulty urea pressure sensor Blocked urea line or nozzle If fault not detected: Fault trace according to Tech Tool fault tree.	Reductant Pressure Sensor
ACM	P208A11	(Short circuit to ground is detected.)	Circuit Short To Ground	None	Harness, actuator or connector is short circuited to ground voltage.	Diagnostic Service 14. No additional action is needed.	Check: Harness, actuator or connector is short circuited to ground voltage.	Reductant Pump "A" Control
ACM	P208A12	(Short circuit to battery is detected.)	Circuit Short To Battery	None	Harness, actuator or connector short circuited to battery.	Diagnostic Service 14. No additional action is needed.	Check: Harness, actuator or connector short circuited to battery.	Reductant Pump "A" Control
ACM	P208A13	(Open circuit is detected.)	Circuit Open	None	Open circuit in harness, actuator or connector.	Diagnostic Service 14. No additional action is needed.	Check: Open circuit in harness, actuator or connector.	Reductant Pump "A" Control
ACM	P056084	not (Control Module below 8V)	Signal Below Allowable Range	None	Bad pins or connection. Cabling issues. Generator issues.	Diagnostic Service 14. No additional action is needed.	Check: Bad pins or connection. Cabling issues. Generator issues.	System Voltage
ACM	P056085	not (Control Module above 36V)	Signal Above Allowable Range	None	Bad pins or connection. Cabling issues. Generator issues.	Diagnostic Service 14. No additional action is needed.	Check: Bad pins or connection. Cabling issues. Generator issues.	System Voltage
ACM	P20B111	(Short circuit to ground is detected.)	Circuit Short To Ground	None	Harness, actuator or connector is short circuited to ground voltage.	Diagnostic Service 14. No additional action is needed.	Check: Harness, actuator or connector is short circuited to ground voltage. If fault not detected: Fault trace according to Tech Tool fault tree.	Reductant Heater Coolant Control Valve Control
ACM	P20B112	(Short circuit to battery is detected.)	Circuit Short To Battery	None	Harness, actuator or connector is short circuited to battery voltage.	Diagnostic Service 14. No additional action is needed.	Check: Harness, actuator or connector is short circuited to battery voltage.	Reductant Heater Coolant Control Valve Control

Node	DTC ISO	FailureEvent	FTB_Name	FunctBehaviorDesc	PossibleRootCause	ProcedureEraseConfirmed	ProposedWorkshopAction	ProprietaryName
ACM	P20B113	(Open circuit fault is detected.)	Circuit Open	None	Open circuit in harness, actuator or connector.	Diagnostic Service 14. No additional action is needed.	Check: Open circuit in harness, actuator or connector.	Reductant Heater Coolant Control Valve Control
ACM	P20B172	(Reductant Tank Temperature above 70°C or Reductant Pump Temperature above 120°C)	Actuator Stuck Open	None	Tankheatvalve stuck open Inappropriate location of the pump or tank	Diagnostic Service 14. No additional action is needed.	Check: Tankheatvalve stuck open Inappropriate location of the pump or tank If fault not detected: Fault trace according to Tech Tool fault tree.	Reductant Heater Coolant Control Valve Control
ACM	P20B173	((Temperature rise not above 3°C) and (Temperature rise not above 5°C))	Actuator Stuck Closed	None	Coolan valve damaged Coolat valve stuck	Diagnostic Service 14. No additional action is needed.	Check: Coolan valve damaged Coolat valve stuck If fault not detected: Fault trace according to Tech Tool fault tree.	Reductant Heater Coolant Control Valve Control
ACM	P20B911	(Short circuit to ground is detected.)	Circuit Short To Ground	None	Harness, actuator or connector is short circuited to ground voltage.	Diagnostic Service 14. No additional action is needed.	Check: Harness, actuator or connector is short circuited to ground voltage.	Reductant Heater "A" Control
ACM	P20B912	(Short circuit to battery is detected.)	Circuit Short To Battery	None	Harness, actuator or connector is short circuited to battery voltage.	Diagnostic Service 14. No additional action is needed.	Check: Harness, actuator or connector is short circuited to battery voltage.	Reductant Heater "A" Control
ACM	P20B913	(Open circuit fault is detected.)	Circuit Open	None	Open circuit in harness, actuator or connector.	Diagnostic Service 14. No additional action is needed.	Check: Open circuit in harness, actuator or connector.	Reductant Heater "A" Control
ACM	P20B992	(Start the engine and drive the truck during cold weather conditions)	Performance or Incorrect Operation	None	Heating valve stuck close Electrical heaters failure	Diagnostic Service 14. No additional action is needed.	Check: Heating valve stuck close Electrical heaters failure If fault not detected: Fault trace according to Tech Tool fault tree.	Reductant Heater "A" Control
ACM	P20A072	Reagent Pressure AlbonAir above 30kPa	Actuator Stuck Open	None	Damaged checkvalve	Diagnostic Service 14. No additional action is needed.	Check: Damaged checkvalve If fault not detected: Fault trace according to Tech Tool fault tree.	Reductant Purge Control Valve

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ACM	P20A073	(not ((Difference between initial reductant pressure and final reductant pressure during startup) above 30kPa) and (Difference between initial air pressure and final air pressure during startup) above 20kPa and (Pump priming has been completed))	Actuator Stuck Closed	None	Damaged checkvalve	Diagnostic Service 14. No additional action is needed.	Check: Damaged checkvalve If fault not detected: Fault trace according to Tech Tool fault tree.	Reductant Purge Control Valve
ACM	P203A01	((Voltage on A:46 above 4.582520V and Voltage on A:46 below 4.852295V) or (Voltage on A:46 above 0.147705V and Voltage on A:46 below 0.457764V))	General Electrical Failure	None	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault	Reductant Level Sensor "A"
ACM	P203A12	Voltage on A:46 above 4.852295V	Circuit Short To Battery	None	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault	Reductant Level Sensor "A"
ACM	P203A13	Voltage on A:46 below 0.147705V	Circuit Open	None	Wiring fault Sensor fault ECU fault	Diagnostic Service 14. No additional action is needed.	Check: Wiring fault Sensor fault ECU fault	Reductant Level Sensor "A"
ACM	P21CAA1	not (Control Module between 20V and 32V)	System Voltage	None	Connector/pins issues Cabling issues	Diagnostic Service 14. No additional action is needed.	Check: Connector/pins issues Cabling issues If fault not detected: Fault trace according to Tech Tool fault tree.	Reductant Control Module Supply Voltage
ACM	P218F92	not ((Turn engine on and run truck with medium to high load during at least 10 minutes))	Performance or Incorrect Operation	None	Damaged pump Empty Urea tank Leak in suction line	Diagnostic Service 14. No additional action is needed.	Check: Damaged pump Empty Urea tank Leak in suction line If fault not detected: Fault trace according to Tech Tool fault tree.	Reductant No Flow Detected
ACM	P26E711	(Short circuit to ground is detected.)	Circuit Short To Ground	None	Harness or connector is short circuited to ground voltage.	Diagnostic Service 14. No additional action is needed.	Check: Harness or connector is short circuited to ground voltage. If fault not detected: Fault trace according to Tech Tool fault tree.	Actuator Supply Voltage "D"
ACM	U1FFF68	(The factory mode is active through P1HCF)	Event Information	None	Factory Mode was not turned off by P1HCF	Diagnostic Service 14. No additional action is needed.	Check: Factory Mode was not turned off by P1HCF	Factory Mode Active