

Allison Transmission 3000/4000 series fault code list

Allison Transmission PDF Service Manuals

Automatic transmissions Allison 3000 and 4000 Series with electronic control Gen4

Error code	Description	Lamp Check Trans	Reaction control system
C1312	Low voltage signal to the inclusion of retarder	Off.	Retarder is not included
C1313	High voltage signal at the inclusion of retarder	Off.	Retarder is not included
P0122	Intermittent or low level signal accelerator pedal position	Off.	The default value for default
P0123	The high level of gas pedal position sensor signal	Off.	The default value for default
P0218	Oil temperature too high	Off.	Sample control at excess temperature. Holds 4 transfer. Torque converter lock ban. Disables adaptation gear.

P0562	Low voltage control unit	Off.	Prohibition on blocking the torque converter. DNA
P0602	The control unit is not programmed	ON.	Remains in neutral
P0610	Additional hardware error car with power control	ON.	The data are used calibration of the TID (A)
P0613	Processor error control unit	Off.	All solenoids are turned off
P0614	Data incompatibility ECM and TCM for adjusting the moment the engine	ON.	Only neutral, back and second gear. Ban converter clutch switch adaption is off
P0634	Temperature control unit exceeded	ON.	DNS, SOL OFF, actively hydraulic control.
P063E	There is no signal input on the situation of throttle When flap auto definition	ON.	The default value for default
P063F	There is no coolant temperature signal Auto determination of	Off.	-
P0657	The gap chain Patients	ON.	SOL OFF DNA. Ban torque converter lock, barring the master modulation.
P0658	Low voltage in the circuit of Patients	ON.	DNS, SOL OFF hydraulic control active
P0659	High voltage in the circuit of Patients	ON.	DNS, SOL OFF hydraulic control active
P0702	The control unit does not recognize AUTOMATIC configuration	ON.	Uses standard configuration
P0703	There is a problem with the brake sensor	Off.	On musorovozah it is impossible to Enable N-D. If the code is active, the work is prohibited

			retarder.
P0708	High level signal from the current transfer.	ON	Ignores the signal poloskovogo switch
P070C	Low oil level sensor signal	Off.	-
P070D	High level oil level sensor signal	Off.	-
P0711	Adjunct oil temperature sensor signal	ON.	Uses the value of the the default temperature
P0712	Low oil temperature sensor signal	ON.	Uses standard the temperature value
P0713	The high level of oil temperature sensor signal	ON.	Uses standard the temperature value
P0716	Adjunct of the turbine wheel speed sensor signal	ON.	DNS, the AUTOMATIC TRANSMISSION is blocked on the current transfer
P0717	There is no signal to the turbine wheel speed sensor	ON.	DNS, the AUTOMATIC TRANSMISSION is blocked on the current transfer
P0719	Low level signal sensor ABS braking	Off.	Considered ABS deactivated
P071A	Incompatible input signal RELS	ON.	Function disables the RELS
P071D	Wrong input signal a special function (wire 101 and 142)	ON.	-
P0721	Adjunct sensor signal output revolutions	ON.	DNS, the AUTOMATIC TRANSMISSION remains on the current transfer

P0722	Output speed sensor no signal	ON.	DNS, the AUTOMATIC TRANSMISSION remains on the current transfer
P0726	Non-standard engine speed sensor signal	Off.	Uses standard turbine speed
P0727	Engine speed sensor no signal	Off.	Uses standard turbine speed
P0729	Incorrect gear ratio on the 6-th transfer	ON.	DNS, tries to include 5-w, then 3-n transfer
P0731	Incorrect gear ratio on the 1-th transfer	ON.	DNS, tries to include 2-w, then 5-n transfer
P0732	Incorrect gear ratio on the 2-nd transfer	ON.	DNS, tries to include 3-w, then 5-n transfer
P0733	Incorrect gear ratio to 3 s transfer	ON.	DNS, tries to include 4-th, then the 6-th transfer
P0734	Incorrect gear ratio on the 4-th transfer	ON.	DNS, tries to include 5-w, then 3-n transfer
P0735	Incorrect gear ratio on the 5-th transfer	ON.	DNS, tries to include 6-n, then 3, then 2-n transfer
P0736	Incorrect gear ratio on the back of the transfer	ON.	DNS is blocked at neutral point
P0741	Slip clutch torque converter lock	ON.	-
P0752	Sticking solenoid valve SS1	ON.	DNS
P0776	Fault in the hydraulic diagram solenoid PCS2	ON.	DNS, RPR
P0777	Fault in the hydraulic diagram solenoid PCS2	ON.	DNS, RPR
P0796	Fault in the hydraulic diagram solenoid PCS3	ON.	DNS, RPR
P0797	Fault in the hydraulic diagram solenoid PCS3	ON.	DNS, RPR
P0842	Pressure sensor low voltage PS1.	ON.	DNS, the AUTOMATIC TRANSMISSION remains on

			the current transfer
P0843	High pressure sensor voltage PS1.	ON.	DNS, the AUTOMATIC TRANSMISSION remains on the current transfer
P0847	Pressure sensor low voltage PS2	ON.	-
P0848	High pressure sensor voltage PS2	ON.	-
P0880	Disappearance of power supply control unit during operation engine	Off.	-
P0881	The voltage at the control unit is too low or jump	Off.	-
P0882	The voltage at the control unit below normal	ON.	DNS, SOL OFF hydraulic control active
P0883	The voltage at the control unit above the norm	Off.	-
P088A	Oil filter clogged	Off.	-
P088B	Oil filter severely beaten	Off.	-
P0894	No passing moment in first gear	ON.	DNS remains at 1 transfer
P0897	Transmission oil needs to be replaced	ON.	-
P0960	Open circuit solenoid valve pressure modulation	ON.	-
P0962	Low voltage in the circuit pressure modulation solenoid valve	ON.	DNS, SOL OFF hydraulic control active
P0963	High voltage in the circuit of solenoid valve modulation pressure	ON	-
P0964	Open circuit solenoid PCS2	ON.	DNS, SOL OFF hydraulic control active
P0966	Low voltage in the circuit of solenoid PCS2	ON	DNS, SOL OFF hydraulic control active

P0967	High voltage in the circuit of solenoid PCS2	ON.	DNS, SOL OFF hydraulic control active
P0968	Open circuit solenoid PCS3	ON.	DNS, SOL OFF hydraulic control active
P0970	Low voltage in the circuit of solenoid PCS3	ON.	DNS, SOL OFF hydraulic control active
P0971	High voltage in the circuit of solenoid PCS3	ON.	DNS, SOL OFF hydraulic control active
P0973	Low voltage in the circuit of solenoid SS1	ON.	DNS, SOL OFF hydraulic control active
P0974	High voltage in the circuit of solenoid SS1	ON.	DNS, SOL OFF hydraulic control active
P0975	Open circuit solenoid SS2	ON.	The 7-speed AUTOMATIC TRANSMISSION does not Includes 1-7 and I-I transfer
P0976	Low voltage in the circuit of solenoid SS2	ON.	The 7-speed AUTOMATIC TRANSMISSION are not included 1-7 and I-I transmission torque converter lock ban

P0977	High voltage in the circuit of solenoid SS2	ON.	The 7-speed AUTOMATIC TRANSMISSION does not Includes 1-7 and I-I transfer
P0989	The signal from the retarder is disruption	Off.	Retarder is not included
P0990	Sensor signal retarder has short circuit	Off.	Retarder is not included
P1739	Incorrect gear ratio low-high	ON.	DNS, prohibition of work for 1 transfer
P1891	Accelerator pedal position sensor signal too low	ON.	Uses standard value pressing the pedal
P1892	Accelerator pedal position sensor signal too high	ON.	Uses standard value pressing the pedal
P2184	Low voltage temperature sensor signal coolant	Off.	Uses standard the temperature value
P2185	High voltage temperature sensor signal coolant	Off.	Uses standard the temperature value
P2637	Violation in torque control system moment when you switch gears SEM	ON.	Prohibition of work system of SEM
P2641	Violation of the constraint system on lower gears LRTP	ON.	Prohibition of work system of LRTP
P2669	The gap chain HSD2	ON.	SOL OFF ban ban converter clutch the main modulating DNA
P2670	Low voltage in the circuit HSD2	ON.	DNS, SOL OFF hydraulic control active
P2671	High voltage in the circuit HSD2	ON.	DNS, SOL OFF hydraulic control active
P2684	HSD3 open circuit	ON.	SOL OFF ban lock the torque converter, ban the main DNA modulation
P2685	Low voltage in the circuit HSD3	ON.	DNS, SOL OFF hydraulic control active
P2686	High voltage in the circuit HSD3	ON.	DNS, SOL OFF hydraulic control active
P2714	Fault in the hydraulic diagram solenoid PCS4	ON.	DNS, RPR
P2715	Fault in the hydraulic diagram solenoid PCS4	ON.	DNS, SOL OFF hydraulic control active
P2718	Open circuit solenoid PCS4	ON.	DNS, SOL OFF hydraulic control active
P2720	Low voltage in the circuit PCS4 solenoid	ON.	DNS, SOL OFF hydraulic control active
P2721	High voltage in the circuit PCS4 solenoid	ON.	DNS, SOL OFF hydraulic control active
P2723	Fault in the hydraulic diagram solenoid PCS1	ON.	DNS, RPR
P2724	Fault in the hydraulic diagram solenoid PCS1	ON.	DNS, RPR
P2727	Open circuit solenoid PCS1	ON.	DNS, SOL OFF hydraulic control active
P2729	Low voltage in the circuit of solenoid PCS1	ON.	DNS, SOL OFF hydraulic control active
P2730	High voltage in the circuit of solenoid PCS1	ON.	DNS, SOL OFF hydraulic control active

P2736	Open circuit solenoid PCS5	ON.	Prohibition of work for retarder
P2738	Low voltage in the circuit PCS5 solenoid	ON.	Prohibition of work for the 1 St gear, retarder, locks work the torque converter
P2739	High voltage in the circuit PCS5 solenoid	ON.	Prohibition of work for retarder
P2740	High oil temperature retarder	Off.	-
P2742	Low oil temperature sensor signal retarder	Off.	Uses standard the value of the oil temperature
P2743	The high level of oil temperature sensor signal retarder	Off.	Uses standard the value of the oil temperature
P2761	Open circuit solenoid locking torque converter	ON.	Prohibition of lock the torque converter
P2763	Low voltage in the circuit of solenoid lock the torque converter	ON.	Prohibition of lock the torque converter
P2764	High voltage in the circuit of solenoid lock the torque converter	ON.	Prohibition of lock the torque converter
P2789	Wear of the clutch reaches the limit value	ON.	-
P278A	Faulty signal Kickdown	Off.	The prohibition regime Kickdown
P2793	An error occurred while communicating with the switch gear	ON.	Ignores a PWM (pulse width modulation) signal via CAN-bus also lost, blocked the last selected direction
P2808	Fault in the hydraulic diagram solenoid PCS6	ON	DNS, RPR

P2809	Fault in the hydraulic diagram solenoid PCS6	Incl.	DNS, RPR
P2812	Open circuit solenoid PCS6	Incl.	DNS, SOL OFF hydraulic control active
P2814	Low voltage in the circuit PCS6 solenoid	Incl.	DNS, SOL OFF hydraulic control active
P2815	High voltage in the circuit PCS6 solenoid	Incl.	DNS, SOL OFF hydraulic control active
U0001	High-speed counter overflow CAN-bus (IESCAN)	Off.	Uses standard values, ban torque management system when switching gear
U0010	Counter overflow CAN-bus (IESCAN)	Off.	Uses standard values, ban torque management system when switching gear
U0100	Loss of communication with the block of the engine/power unit (J1586)	ON.	Uses standard the value of the
U0103	Loss of communication with the first switch gear	ON.	Remains in the selected broadcast, monitors signal a change of direction. Display goes off on 10 sec, then shows-/-
U0115	An error occurred while communicating with the engine control unit	ON.	Uses standard DNA values

U0291	An error occurred while communicating with the secondary switch gear	ON.	Remains in the selected broadcast, monitors signal a change of direction. Display goes off on 10 sec, then shows-/-
U0304	Primary switch gear is not compatible with J1939 Protocol	ON.	DNS is blocked in neutral
U0333	Secondary switch is not compatible with the J1939 Protocol	ON.	DNS is blocked in neutral
U0400	Violation of J1939 data transmission	ON.	-
U0404	Inadequate information with primary gear	ON.	Remains in the selected broadcast, monitors signal a change of direction. Display goes off on 10 sec, then shows-/-
U0442	The control unit receives incorrect information from the engine control unit/power unit included in the bus J1939 data	Off.	-
U0592	Inadequate information from the secondary gear	ON.	Remains in the selected broadcast, monitors signal a change of direction. Display goes off on 10 sec, then shows-/-