



ProECU EVO X



DTC List

2008 Model Year

v1.7

Engine DTC List

DTC	Diagnosis Item Description
P0011	Intake variable valve timing system target error
P0012	Camshaft position- timing over-retarded *
P0014	Exhaust variable valve timing system target error *
P0016	Crankshaft/camshaft (intake) position sensor phase problem *
P0017	Crankshaft/camshaft (exhaust) position sensor phase problem *
P0031	Heated oxygen sensor (front) heater circuit low *
P0032	Heated oxygen sensor (front) heater circuit high *
P0037	Heated oxygen sensor (rear) heater circuit low *
P0038	Heated oxygen sensor (rear) heater circuit high *
P0043	HO2S Heater Control Circuit Low
P0044	HO2S Heater Control Circuit High
P0051	HO2S Heater Control Circuit Low
P0052	HO2S Heater Control Circuit High
P0057	HO2S Heater Control Circuit Low
P0058	HO2S Heater Control Circuit High
P0069	Abnormal correlation between manifold absolute pressure sensor and barometric pressure sensor
P0075	Intake Valve Control Solenoid Circuit
P0090	Fuel Pressure Regulator 1 Control Circuit
P0096	Intake air temperature circuit range/performance problem (sensor 2) *
P0097	No. 2 intake air temperature sensor circuit low input
P0100	Mass or Volume Air Flow Circuit
P0105	Manifold Absolute Pressure/Barometric Pressure Circuit
P0111	Intake air temperature circuit range/performance problem (sensor 1) *
P0111	Intake air temperature circuit range/performance problem (sensor 1) *
P0115	Engine Coolant Temperature Circuit
P0122	Throttle position sensor (main) circuit low input
P0123	Throttle position sensor (main) circuit high input
P0128	Coolant thermostat (coolant temperature below thermostat regulating temperature) *
P0131	Heated oxygen sensor (front) circuit low voltage *
P0132	Heated oxygen sensor (front) circuit high voltage *
P0133	Heated oxygen sensor (front) circuit slow response *
P0134	Heated oxygen sensor (front) circuit no activity detected *
P0137	Heated oxygen sensor (rear) circuit low voltage *
P0138	Heated oxygen sensor (rear) circuit high voltage *
P0139	O2 Sensor Circuit Slow Response
P0140	Heated oxygen sensor (rear) circuit no activity detected *
P0143	O2 Sensor Circuit Low Voltage
P0144	O2 Sensor Circuit High Voltage
P0145	O2 Sensor Circuit Slow Response
P0146	O2 Sensor Circuit No Activity Detected
P0151	O2 Sensor Circuit Low Voltage
P0152	O2 Sensor Circuit High Voltage
P0153	O2 Sensor Circuit Slow Response
P0154	O2 Sensor Circuit No Activity Detected
P0157	O2 Sensor Circuit Low Voltage
P0158	O2 Sensor Circuit High Voltage
P0159	O2 Sensor Circuit Slow Response
P0160	O2 Sensor Circuit No Activity Detected
P0170	Fuel Trim
P0173	Throttle Actuator Control System - High Airflow Detected
P0180	Fuel Temperature Sensor A Circuit
P0201	Injector Circuit/Open - Cylinder 1
P0202	Injector Circuit/Open - Cylinder 2

P0203	Injector Circuit/Open - Cylinder 3
P0204	Injector Circuit/Open - Cylinder 4
P0205	Injector Circuit/Open - Cylinder 5
P0206	Injector Circuit/Open - Cylinder 6
P0222	Throttle position sensor (sub) circuit low input
P0223	Throttle position sensor (sub) circuit high input
P0225	Throttle/Pedal Position Sensor/Switch "C" Circuit
P0234	Turbocharger wastegate system malfunction *
P0243	Turbocharger wastegate solenoid 1 circuit *
P0247	No. 2 waste gate solenoid valve system
P0301	Cylinder 1 Misfire Detected
P0302	Cylinder 2 Misfire Detected
P0303	Cylinder 3 Misfire Detected
P0304	Cylinder 4 Misfire Detected
P0305	Cylinder 5 Misfire Detected
P0306	Cylinder 6 Misfire Detected
P0326	Knock Sensor 1 Circuit
P0331	Knock Sensor 2 Circuit Range/Performance
P0335	Crankshaft position sensor circuit *
P0340	Intake camshaft position sensor circuit *
P0350	Ignition Coil Primary/Secondary Circuit
P0365	Exhaust camshaft position sensor system
P0401	Exhaust Gas Recirculation Flow Insufficient Detected
P0403	Exhaust Gas Recirculation Control Circuit
P0421	Warm Up Catalyst Efficiency Below Threshold
P0431	Warm Up Catalyst Efficiency Below Threshold
P0441	Evaporative emission control system incorrect purge flow *
P0442	Evaporative emission control system leak detected (small leak) *
P0442	Evaporative emission control system leak detected (small leak) *
P0443	Evaporative emission purge solenoid circuit *
P0446	Evaporative emission ventilation solenoid circuit *
P0450	Fuel tank differential pressure sensor malfunction *
P0451	Fuel tank differential pressure circuit range/performance problem *
P0452	Fuel tank differential pressure circuit low input *
P0453	Fuel tank differential pressure circuit high input *
P0461	Fuel level sensor circuit range/performance *
P0462	Fuel level sensor circuit low input *
P0490	Exhaust Gas Recirculation Control Circuit High
P0500	Vehicle speed signal system
P0506	Idle control system RPM lower than expected *
P0507	Idle control system RPM higher than expected *
P0510	Closed Throttle Position Switch
P0513	Immobilizer malfunction *
P0513	Immobilizer malfunction *
P0515	Battery Temperature Sensor Circuit
P0551	Power steering pressure switch circuit range/performance *
P0551	Power steering pressure switch circuit range/performance *
P0554	Power steering pressure switch circuit intermittent *
P0603	EEPROM malfunction *
P0606	Engine-ECU main processor malfunction
P0606	Engine-ECU main processor malfunction
P0606	Engine-ECU main processor malfunction
P0606	Engine-ECU main processor malfunction
P0606	Engine-ECU main processor malfunction
P0606	Engine-ECU main processor malfunction
P0606	Engine-ECU main processor malfunction
P0622	Generator FR terminal circuit malfunction *
P0630	Vehicle Identification Number (VIN) malfunction *

P0638	Throttle valve control servo circuit range/performance problem
P0638	Throttle valve control servo circuit range/performance problem
P0638	Throttle valve control servo circuit range/performance problem
P0638	Throttle valve control servo circuit range/performance problem
P0642	Throttle position sensor power supply
P0657	Throttle valve control servo relay circuit malfunction
P0660	Intake Manifold Tuning Valve Control Circuit/Open
P0660	Intake Manifold Tuning Valve Control Circuit/Open
P0705	Transmission Friction Element "F" Apply Time Range/Performance
P0710	Transmission Fluid Temperature Sensor "A" Circuit
P0715	Input/Turbine Speed Sensor "A" Circuit
P0720	Output Speed Sensor Circuit
P0725	Pressure Control Solenoid "E" Electrical
P0740	Torque Converter Clutch Circuit/Open
P0750	Shift Solenoid "A"
P0755	Shift Solenoid "B"
P0760	Shift Solenoid "C"
P0765	Shift Solenoid "D"
P0830	Clutch pedal position switch circuit range/performance
P1021	Inlet oil feeder control valve system
P1025	Exhaust oil feeder control valve system
P1231	Active stability control plausibility *
P1232	Fail safe system *
P1233	Trustful check throttle position sensor (main)
P1234	Trustful check throttle position sensor (sub)
P1235	Trustful check air flow sensor
P1236	A/D converter
P1237	Trustful check accelerator pedal position sensor
P1238	Air flow sensor trustful for torque monitoring
P1239	Trustful check engine speed
P1240	Ignition angle *
P1241	Torque monitoring
P1242	Fail safe control monitor *
P1243	Inquiry/response error *
P1244	RAM test for all area *
P1245	Cycle RAM test (engine) *
P1247	TC-SST plausibility <TC-SST> *
P1320	Ignition timing retard insufficient *
P1506	Idle control system RPM lower than expected at low temperature *
P1507	Idle control system RPM higher than expected at low temperature *
P1590	TCM to ECM communication error in torque reduction request <TC-SST> *
P1603	Battery backup circuit malfunction *
P1676	Variant coding system
P2066	Fuel level sensor (sub) circuit range/performance *
P2100	Throttle valve control servo circuit (open)
P2101	Throttle valve control servo magneto malfunction
P2101	Throttle valve control servo magneto malfunction
P2101	Throttle valve control servo magneto malfunction
P2102	Throttle Actuator Control Motor Circuit Low
P2108	Throttle Actuator Control Module Performance
P2121	Throttle/Pedal Position Sensor/Switch "D" Circuit Range/Performance
P2122	Accelerator pedal position sensor (main) circuit low input
P2123	Accelerator pedal position sensor (main) circuit high input
P2126	Throttle/Pedal Position Sensor/Switch "E" Circuit Range/Performance
P2127	Accelerator pedal position sensor (sub) circuit low input
P2128	Accelerator pedal position sensor (sub) circuit high input
P2135	Throttle position sensor (main and sub) range/performance problem

P2138	Accelerator pedal position sensor (main and sub) range/performance problem
P2138	Accelerator pedal position sensor (main and sub) range/performance problem
P2195	Heated oxygen sensor (front) inactive *
P2197	O2 Sensor Signal Stuck Lean
P2226	Barometric Pressure Circuit
P2252	Oxygen sensor offset circuit low voltage
P2253	Oxygen sensor offset circuit high voltage
P2263	Intake charge system malfunction *
P2423	HC Adsorption Catalyst Efficiency Below Threshold

* Generic DTC code, not Mitsubishi specific.

Gearbox DTC List (for SST models only)

DTC	Diagnosis Item Description
P0630	VIN not recorded
P0701	EEPROM system (Malfunction)
P0702	Internal control module, monitoring processor system (Malfunction)
P0711	TC-SST-ECU temperature sensor system (Gradient error)
P0712	TC-SST-ECU temperature sensor system (Output low range out)
P0713	TC-SST-ECU temperature sensor system (Output high range out)
P0715	Input shaft 1 (odd number gear axle) speed sensor system (Output high range out)
P0716	Input shaft 1 (odd number gear axle) speed sensor system (Poor performance)
P0717	Input shaft 1 (odd number gear axle) speed sensor system (Output low range out)
P0725	Engine speed signal abnormality
P0746	Line pressure solenoid system (Drive current range out)
P0753	Shift select solenoid 1 system (Open circuit)
P0758	Shift select solenoid 2 system (Open circuit)
P0776	Clutch cooling flow solenoid system (Drive current range out)
P0777	Clutch cooling flow solenoid system (Stuck)
P0841	Clutch 1 pressure sensor system (Poor performance)
P0842	Clutch 1 pressure sensor system (Output low range out)
P0843	Clutch 1 pressure sensor system (Output high range out)
P0846	Clutch 2 pressure sensor system (Poor performance)
P0847	Clutch 2 pressure sensor system (Output low range out)
P0848	Clutch 2 pressure sensor system (Output high range out)
P0960	Line pressure solenoid system (Open circuit)
P0961	Line pressure solenoid system (Overcurrent)
P0962	Line pressure solenoid system (Short to earth)
P0963	Line pressure solenoid system (Short to power supply)
P0964	Clutch cooling flow solenoid system (Open circuit)
P0965	Clutch cooling flow solenoid system (Overcurrent)
P0966	Clutch cooling flow solenoid system (Short to earth)
P0967	Clutch cooling flow solenoid system (Short to power supply)
P0968	Shift/cooling switching solenoid system (Open circuit)
P0970	Shift/cooling switching solenoid system (Short to earth)
P0971	Shift/cooling switching solenoid system (Short to power supply)
P0973	Shift select solenoid 1 system (Short to earth)
P0974	Shift select solenoid 1 system (Short to power supply)
P0976	Shift select solenoid 2 system (Short to earth)
P0977	Shift select solenoid 2 system (Short to power supply)
P1637	EEPROM system (diagnosis code storing malfunction)
P1676	Coding incomplete
P1802	Shift lever system (LIN communication malfunction)
P1803	Shift lever system (CAN or LIN time-out error)
P1804	Shift fork position sensor 1 and 2 system (Power supply voltage low range out)
P1805	Shift fork position sensor 1 and 2 system (Power supply voltage high range out)

P1806	Shift fork position sensor 3 and 4 system (Power supply voltage low range out)
P1807	Shift fork position sensor 3 and 4 system (Power supply voltage high range out)
P1808	TC-SST-ECU temperature, fluid temperature sensor system (Correlation error)
P180C	Clutch pressure cut spool sticking
P181B	Clutch 1 (Pressure low range out)
P181C	Clutch 1 (Pressure high range out)
P181E	Clutch 2 (Pressure low range out)
P181F	Clutch 2 (Pressure high range out)
P1820	Shift fork position sensor 1 system (Voltage low range out)
P1821	Shift fork position sensor 1 system (Voltage high range out)
P1822	Shift fork position sensor 1 system (Output range out)
P1823	Shift fork position sensor 1 system (Neutral)
P1824	Shift fork position sensor 1 system (Poor performance)
P1825	Shift fork position sensor 2 system (Voltage low range out)
P1826	Shift fork position sensor 2 system (Voltage high range out)
P1827	Shift fork position sensor 2 system (Output range out)
P1828	Shift fork position sensor 2 system (Neutral)
P1829	Shift fork position sensor 2 system (Poor performance)
P182A	Shift fork position sensor 3 system (Voltage low range out)
P182B	Shift fork position sensor 3 system (Voltage high range out)
P182C	Shift fork position sensor 3 system (Output range out)
P182D	Shift fork position sensor 3 system (Neutral)
P182E	Shift fork position sensor 3 system (Poor performance)
P1831	Shift fork position sensor 4 system (Voltage low range out)
P1832	Shift fork position sensor 4 system (Voltage high range out)
P1833	Shift fork position sensor 4 system (Output range out)
P1834	Shift fork position sensor 4 system (Neutral)
P1835	Shift fork position sensor 4 system (Poor performance)
P1836	Shift fork 1 malfunction
P183D	Shift fork 2 malfunction
P1844	Shift fork 3 malfunction
P184B	Shift fork 4 malfunction
P1852	Shift fork 1 or 2 opposite direction movement
P1855	Shift fork 3 or 4 opposite direction movement
P1857	Odd number gear axle interlock
P1858	Even number gear axle interlock
P1859	Disengagement too late with clutch 1
P185A	Engagement too late with clutch 1
P185B	Disengagement too late with clutch 2
P185C	Engagement too late with clutch 2
P185D	Clutch open not possible
P1862	High side 1 system (Overcurrent)
P1863	High side 1 system (Open circuit)
P1864	High side 1 system (Short to power supply)
P1866	High side 2 system (Overcurrent)
P1867	High side 2 system (Open circuit)
P1868	High side 2 system (Short to power supply)
P186A	High side 3 system (Overcurrent)
P186B	High side 3 system (Open circuit)
P186C	High side 3 system (Short to power supply)
P186D	High side 1 system (Voltage low range out)
P186E	High side 2 system (Voltage low range out)
P186F	High side 3 system (Voltage low range out)
P1870	Engine torque signal abnormality
P1871	APS system (Signal abnormality)
P1872	Between shift lever and TC-SST system (Q-A function abnormality)
P1873	Clutch 1 system (Pressure abnormality)

P1874	Clutch 2 system (Pressure abnormality)
P1875	Damper speed sensor system (Poor performance)
P1876	Gear block 1st
P1877	Gear block 2nd
P1878	Gear block 3rd
P1879	Gear block 4th
P187A	Gear block 5th
P187B	Gear block 6th
P187C	Gear block reverse
P1880	EOL Mode Active
P1881	Twin clutch SST control mode switch system (Malfunction)
P2718	Clutch/shift pressure solenoid 1 system (Open circuit)
P2719	Clutch/shift pressure solenoid 1 system (Overcurrent)
P2720	Clutch/shift pressure solenoid 1 system (Short to earth)
P2721	Clutch/shift pressure solenoid 1 system (Short to power supply)
P2727	Clutch/shift pressure solenoid 2 system (Open circuit)
P2728	Clutch/shift pressure solenoid 2 system (Overcurrent)
P2729	Clutch/shift pressure solenoid 2 system (Short to earth)
P2730	Clutch/shift pressure solenoid 2 system (Short to power supply)
P2733	Clutch/shift switching solenoid 1, spool stuck
P2736	Clutch/shift switching solenoid 1 system (Open circuit)
P2738	Clutch/shift switching solenoid 1 system (Short to earth)
P2739	Clutch/shift switching solenoid 1 system (Short to power supply)
P2741	Fluid temperature sensor system (Gradient error)
P2742	Fluid temperature sensor system (Output low range out)
P2743	Fluid temperature sensor system (Output high range out)
P2766	Input shaft 2 (even number gear axle) speed sensor system (Poor performance)
P2809	Clutch/shift switching solenoid 2, spool stuck
P2812	Clutch/shift switching solenoid 2 system (Open circuit)
P2814	Clutch/shift switching solenoid 2 system (Short to earth)
P2815	Clutch/shift switching solenoid 2 system (Short to power supply)
U0001	Bus off
U0100	Engine time-out error
U0103	Shift lever time-out error
U0121	ASC time-out error
U0136	AWC time-out error
U0141	ETACS time-out error

Fail-Safe Function

If an abnormality occurs to the signal of sensors, switches, solenoids, or others, the AWC-ECU performs a control for the driver safety and system protection. The control contents are as follows.

Fail-Safe Reference Table

DTC	Item	Control content
C2203	VIN not written	Normal control
C1614	Parking brake switch	A warning is given to the driver with the trouble displayed to the multi information display, but the control is maintained because the vehicle behavior is not affected.
C1624	EEPROM	
C161F	AWC actuator protection 1	A warning is given to the driver by the flashing of multi information display control mode, and the control is stopped.
C1621	AWC actuator protection 2	
Others (other than above)		A warning is given to the driver with the trouble displayed to the multi information display, and the control is stopped.

Diagnostic Trouble Code Chart

DTC	Item
C1000	Stop lamp switch system
C100A	FL Wheel speed sensor system (faulty circuit)
C1015	FR
C1020	RL
C102B	RR
C1011	FL Wheel speed sensor system (faulty signal)
C101C	FR
C1027	RL
C1032	RR
C1014	FL Wheel speed sensor system (characteristics abnormality)
C101F	FR
C102A	RL
C1035	RR
C1078	Tyre turning malfunction
C1219	Steering wheel sensor system (faulty signal)
C121A	Steering wheel sensor system (neutral learning abnormality)
C123C	G and yaw rate sensor system (faulty signal)
C1242	G and yaw rate sensor system (abnormality of longitudinal G sensor output signal)
C1610	Electronic relay abnormality of AWC actuator power supply
C1611	AWC pressure sensor system (low voltage)
C1612	AWC pressure sensor system (high voltage)
C1613	AWC switch system (ON sticking)
C1614	Parking brake switch system (ON sticking)
C1615	Brake control prohibition request
C1616	Cranking signal system (ON sticking)
C1617	AWC CAN main data system (data not received)
C1618	AWC CAN local data system (data not received)
C1619	AYC current value (abnormal)

C161A	AYC direction valve (right) system (output abnormality)
C161B	AYC direction valve (left) system (output abnormality)
C161C	ACD proportioning valve system (malfunction)
C161D	Electric pump relay system (faulty circuit)
C161E	Electric pump system
C161F	AWC actuator protection 1
C1620	AYC control system (abnormal)
C1621	AWC actuator protection 2
C1622	ACD control system (abnormal)
C1623	Brake control system (abnormal)
C1624	AWC-ECU system (internal error)
C1625	AWC pressure sensor system (power supply voltage abnormality)
C2100	Battery voltage malfunction (low voltage)
C2101	Battery voltage malfunction (high voltage)
C2114	G and yaw rate sensor power supply (low voltage)
C2115	G and yaw rate sensor power supply (high voltage)
C2203	VIN not recorded
C2204	G and yaw rate sensor system (internal error)
C2205	Steering wheel sensor system (internal error)
U0001	Bus-off
U0100	Engine time-out error
U0101	TC-SST time-out error
U0121	ASC time-out error
U0126	Steering wheel sensor time-out error
U0141	ETACS time-out error
U0401	Engine data error
U0428	Steering wheel sensor data error
U0431	ETACS data error
U1003	Bus-off (local CAN)
U1415	Coding incomplete/fail
U1417	Coding data malfunction
U1425	TC-SST data error
U1426	ASC data error
U1427	Wheel speed sensor data error
U1428	G and yaw rate sensor data error