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Disclaimer

To take full advantage of the unit, you should be familiar with the engine. All information, illustrations, and specifications contained in this manual are based on the latest information available at the time of publication. The right is reserved to make change at any time without notice.

1. INTRODUCTION

CReaderIV is newly developed by LAUNCH, specially designed for car owners or DIYers. More functions are supplied than before. With a CReaderIV, you may quickly find out trouble causes of electrical control systems on your car via executing corresponding function tests.

Though so small, it is of the same function as special tool of its kind and applicable to all models since 1996 with a 16-pin diagnostic socket for generic OBDII protocols (SAE J1850 PWM, SAE J1850 VPW, ISO 9141-2, KWP2000, EKWP2000 and CAN bus).

Notice:*CReaderIV may be automatically reset if disturbed by strong static electricity.*

2. FUNCTIONS

Reading trouble codes: Read DTCs of powertrain system including CAN, both pending and current DTCs.

Clearing trouble codes: Both types of DTCs can be cleared.

Read Freeze Frame Data: To view these FF datas that recorded at the DTC occurred to find trouble cause.

Readiness Test: Status of each monitoring system about I/M.

MIL status: To check if MIL is normal.

VIN: Displaying VIN conveniently.

3. SPECIFICATIONS

LCD display(128*32)

LED backlight

Texts displaying by 2 lines

2 keys operation

4. KEYS INSTRUCTION

EXIT/RETURN key (Left): To exit or return previous window

OK/NEXT key (Right): To confirm selected item or page down.

5. OPERATION

Stop the car and apply the parking brake, Turn ignition on or start the engine then plug the CReaderIV to the 16-pin socket usually located under the instrument panel in the car. The screen will automatically display " Launch Corp.CreaderIV Ver1.0" for 2S".

The main **MENU** will scroll up automatically with 2 lines/items displaying on the LCD screen, press OK key to perform the highlight item.

When checking the trouble codes, freeze frame data and readiness test displayed with more than one page. The OK/NEXT key can be used to view the next pages.

6. DTC DEFINITIONS

Please see the table for SAE OBDII DTC definitions. Since P1xxx, DTC definitions are different between makers, please check repair manual.

P0000	No Diagnostic Trouble Codes Found
P0001	Fuel Volume Regulator Control -Circuit Open
P0002	Fuel volume Regulator Control -Circuit Range/Performance
P0003	Fuel Volume Regulator Control -Circuit Low
P0004	Fuel Volume Regulator Control -Circuit High
P0005	Fuel Shut-off Valve -Circuit Open
P0006	Fuel Shut-off Valve -Circuit Low
P0007	Fuel Shut-off Valve -Circuit High
P0008	Engine Position System Performance Bank 1
P0009	Engine Position System Performance Bank 2
P0010	Camshaft Position Actuator Circuit (Bank 1) -Circuit Malfunction
P0011	Camshaft Position - Timing Over Advanced or System Performance (Bank 1)
P0012	Camshaft Position - Timing Over Retarded (Bank 1)
P0013	Camshaft Position - Actuator Circuit (Bank 1)
P0014	Camshaft Position - Timing Over Advanced or System Performance (Bank 1)
P0015	Camshaft Position -Timing Over-Retarded (Bank 1)
P0016	Crankshaft Position/Camshaft Position Correlation Bank 1 Sensor A
P0017	Crankshaft Position/Camshaft Position Correlation Bank 1 Sensor B
P0018	Crankshaft Position/Camshaft Position Correlation Bank 2 Sensor A
P0019	Crankshaft Position/Camshaft Position Correlation Bank 2 Sensor B
P0020	Camshaft Position Actuator Circuit (Bank 2)
P0021	Camshaft Position - Timing Over Advanced or System Performance (Bank 2)
P0022	Camshaft Position - Timing Over Retarded (Bank 2)
P0023	Camshaft Position - Actuator Circuit (Bank 2)
P0024	Camshaft Position - Timing Over Advanced or System Performance (Bank 2)
P0025	Camshaft Position - Timing Over Retarded (Bank 2)
P0026	Intake Valve Control Solenoid Circuit -Range/Performance Bank 1
P0027	Exhaust Valve Control Solenoid Circuit -Range/Performance Bank 1
P0028	Intake Valve Control Solenoid Circuit -Range/Performance Bank 2
P0029	Exhaust Valve Control Solenoid Circuit -Range/Performance Bank 2
P0030	HO2S Heated Oxygen Sensor -Control Circuit (Bank 1 Sensor 1)
P0031	HO2S Heated Oxygen Sensor -Control Circuit Low (Bank 1 Sensor 1)
P0032	HO2S Heated Oxygen Sensor -Control Circuit High (Bank 1 Sensor 1)
P0033	Turbo Charger Bypass/Wastegate Valve -Control Circuit
P0034	Turbo Charger Bypass/Wastegate Valve Control Circuit Low
P0035	Turbo Charger Bypass/Wastegate Valve Control Circuit High
P0036	HO2S Heated Oxygen Sensor -Control Circuit (Bank 1 Sensor 2)
P0037	HO2S Heated Oxygen Sensor -Control Circuit Low (Bank 1 Sensor 2)
P0038	HO2S Heated Oxygen Sensor -Control Circuit High (Bank 1 Sensor 2)
P0039	Turbo/Super Charger Bypass Valve -Control Circuit Range/Performance
P0040	Oxygen Sensor Signals Swapped Bank 1 Sensor 1/Bank 2 Sensor 1
P0041	Oxygen Sensor Signals Swapped Bank 1 Sensor 2/Bank 2 Sensor 2
P0042	HO2S Heated Oxygen Sensor -Control Circuit (Bank 1 Sensor 3)
P0043	HO2S Heated Oxygen Sensor -Control Circuit Low (Bank 1 Sensor 3)
P0044	HO2S Heated Oxygen Sensor -Control Circuit High (Bank 1 Sensor 3)
P0045	Turbo/Super Charger Boost Control Solenoid -Circuit Open

P0046 Turbo/Super Charger Boost Control Solenoid -Circuit Range/Performance
 P0047 Turbo/Super Charger Boost Control Solenoid -Circuit Low
 P0048 Turbo/Super Charger Boost Control Solenoid -Circuit High
 P0049 Turbo/Super Charger Turbine -Over speed
 P0050 HO2S Heated Oxygen Sensor -Control Circuit (Bank 2 Sensor 1)
 P0051 HO2S Heated Oxygen Sensor -Control Circuit Low (Bank 2 Sensor 1)
 P0052 HO2S Heated Oxygen Sensor -Control Circuit High (Bank 2 Sensor 1)
 P0053 HO2S Heated Oxygen Sensor -Resistance (Bank 1 Sensor 1)
 P0054 HO2S Heated Oxygen Sensor -Resistance (Bank 1 Sensor 2)
 P0055 HO2S Heated Oxygen Sensor -Resistance (Bank 1 Sensor 3)
 P0056 HO2S Heated Oxygen Sensor -Control Circuit (Bank 2 Sensor 2)
 P0057 HO2S Heated Oxygen Sensor -Control Circuit Low (Bank 2 Sensor 2)
 P0058 HO2S Heated Oxygen Sensor -Control Circuit High (Bank 2 Sensor 2)
 P0059 HO2S Heated Oxygen Sensor -Resistance (Bank 2 Sensor 1)
 P0060 HO2S Heated Oxygen Sensor -Resistance (Bank 2 Sensor 2)
 P0061 HO2S Heated Oxygen Sensor -Resistance (Bank 2 Sensor 3)
 P0062 HO2S Heated Oxygen Sensor -Control Circuit (Bank 2 Sensor 3)
 P0063 HO2S Heated Oxygen Sensor -Control Circuit Low (Bank 2 Sensor 3)
 P0064 HO2S Heated Oxygen Sensor -Control Circuit High (Bank 2 Sensor 3)
 P0065 Air Assisted Injector -Range/Performance
 P0066 Air Assisted Injector -Circuit Malfunction or Circuit Low
 P0067 Air Assisted Injector -Circuit High
 P0068 (MAP) Manifold Absolute Pressure /(MAF) Mass Air Flow - Throttle Position
 Correlation
 P0069 (MAP) Manifold Absolute Pressure / (BARO)Barometric Pressure Correlation
 P0070 Ambient/Outside Air Temperature Sensor -Circuit Malfunction
 P0071 Ambient/Outside Air Temperature Sensor -Range/Performance Problem
 P0072 Ambient/Outside Air Temperature Sensor -Circuit Low Input
 P0073 Ambient/Outside Air Temperature Sensor -Circuit High Input
 P0074 Ambient/Outside Air Temperature Sensor -Circuit Intermittent
 P0075 Intake Valve Control Solenoid Circuit Malfunction (Bank 1)
 P0076 Intake Valve Control Solenoid Circuit Low (Bank 1)
 P0077 Intake Valve Control Solenoid Circuit High (Bank 1)
 P0078 Exhaust Valve Control Solenoid Circuit Malfunction (Bank 1)
 P0079 Exhaust Valve Control Solenoid Circuit Low (Bank 1)
 P0080 Exhaust Valve Control Solenoid Circuit High (Bank 1)
 P0081 Intake valve Control Solenoid Circuit Malfunction (Bank 2)
 P0082 Intake Valve Control Solenoid Circuit Low (Bank 2)
 P0083 Intake Valve Control Solenoid Circuit High (Bank 2)
 P0084 Exhaust Valve Control Solenoid Circuit Malfunction (Bank 2)
 P0085 Exhaust Valve Control Solenoid Circuit Low (Bank 2)
 P0086 Exhaust Valve Control Solenoid Circuit High (Bank 2)
 P0087 Fuel Rail/System Pressure - Too Low
 P0088 Fuel Rail/System Pressure - Too High
 P0089 Fuel Pressure Regulator -Performance Problem
 P0090 Fuel Metering Solenoid - Open Circuit
 P0091 Fuel Metering Solenoid - Short To Earth
 P0092 Fuel Metering Solenoid - Short To Positive
 P0093 Fuel System Leak Detected - Large Leak

P0094 Fuel System Leak Detected - Small Leak
 P0095 (IAT) Intake Air Temperature Sensor 2 Circuit Malfunction
 P0096 (IAT) Intake Air Temperature Sensor 2 Circuit Range/Performance
 P0097 (IAT) Intake Air Temperature Sensor 2 Circuit Low
 P0098 (IAT) Intake Air Temperature Sensor 2 Circuit High
 P0099 (IAT) Intake Air Temperature Sensor 2 Circuit Intermittent/Erratic
 P0100 (MAF) Mass Air Flow or (VAF) Volume Air Flow Sensor -Circuit Malfunction
 P0101 (MAF) Mass Air Flow or (VAF) Volume Air Flow Sensor -Circuit Range/Performance Problem
 P0102 (MAF) Mass Air Flow or (VAF) Volume Air Flow Sensor -Circuit Low Input
 P0103 (MAF) Mass Air Flow or (VAF) Volume Air Flow Sensor -Circuit High Input
 P0104 (MAF) Mass Air Flow or (VAF) Volume Air Flow Sensor -Circuit Intermittent
 P0105 (MAP) Manifold Absolute Pressure/(BARO) Barometric Pressure Sensor -Circuit Malfunction
 P0106 (MAP) Manifold Absolute Pressure/(BARO) Barometric Pressure Sensor -Circuit Range/Performance Problem
 P0107 (MAP) Manifold Absolute Pressure/(BARO) Barometric Pressure Sensor -Circuit Low Input
 P0108 (MAP) Manifold Absolute Pressure/(BARO) Barometric Pressure Sensor -Circuit High Input
 P0109 (MAP) Manifold Absolute Pressure/(BARO) Barometric Pressure Sensor -Circuit Intermittent
 P0110 (IAT) Intake Air Temperature Sensor -Circuit Malfunction
 P0111 (IAT) Intake Air Temperature Sensor -Circuit Range/Performance Problem
 P0112 (IAT) Intake Air Temperature Sensor -Circuit Low Input
 P0113 (IAT) Intake Air Temperature Sensor -Circuit High Input
 P0114 (IAT) Intake Air Temperature Sensor -Circuit Intermittent
 P0115 Engine Coolant Temperature Sensor -Circuit Malfunction
 P0116 Engine Coolant Temperature Sensor -Circuit Range/Performance Problem
 P0117 Engine Coolant Temperature Sensor -Circuit Low Input
 P0118 Engine Coolant Temperature Sensor -Circuit High Input
 P0119 Engine Coolant Temperature Sensor -Circuit Intermittent
 P0120 Throttle/Pedal Position Sensor/Switch A -Circuit Malfunction
 P0121 Throttle/Pedal Position Sensor/Switch A -Circuit Range/Performance Problem
 P0122 Throttle/Pedal Position Sensor/Switch A -Circuit Low Input
 P0123 Throttle/Pedal Position Sensor/Switch A -Circuit High Input
 P0124 Throttle/Pedal Position Sensor/Switch A -Circuit Intermittent
 P0125 Insufficient Coolant Temperature for Closed Loop Fuel Control
 P0126 Insufficient Coolant Temperature for Stable Operation
 P0127 Intake Air Temperature Too High
 P0128 Coolant Thermostat (Coolant Temperature Below Thermostat Regulating Temperature)
 P0129 Barometric Pressure Too Low
 P0130 O2 Sensor Circuit Malfunction (Bank 1 Sensor 1)
 P0131 O2 Sensor Circuit Low Voltage (Bank 1 Sensor 1)
 P0132 O2 Sensor Circuit High Voltage (Bank 1 Sensor 1)
 P0133 O2 Sensor Circuit Slow Response (Bank 1 Sensor 1)
 P0134 O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 1)
 P0135 O2 Sensor Heater Circuit (Bank 1 Sensor 1)

P0136 O2 Sensor Circuit Malfunction (Bank 1 Sensor 2)
P0137 O2 Sensor Circuit Low Voltage (Bank 1 Sensor 2)
P0138 O2 Sensor Circuit High Voltage (Bank 1 Sensor 2)
P0139 O2 Sensor Circuit Slow Response (Bank 1 Sensor 2)
P0140 O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 2)
P0141 O2 Sensor Heater Circuit Circuit Malfunction (Bank 1 Sensor 2)
P0142 O2 Sensor Circuit Malfunction (Bank 1 Sensor 3)
P0143 O2 Sensor Circuit Low Voltage (Bank 1 Sensor 3)
P0144 O2 Sensor Circuit High Voltage (Bank 1 Sensor 3)
P0145 O2 Sensor Circuit Slow Response (Bank 1 Sensor 3)
P0146 O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 3)
P0147 HO2S Heated Oxygen Sensor (Bank 1 Sensor 3) - Circuit Malfunction
P0148 Fuel Delivery Error
P0149 Fuel Timing Error
P0150 O2 Sensor Circuit Circuit Malfunction (Bank 2 Sensor 1)
P0151 O2 Sensor Circuit Low Voltage (Bank 2 Sensor 1)
P0152 O2 Sensor Circuit High Voltage (Bank 2 Sensor 1)
P0153 O2 Sensor Circuit Slow Response (Bank 2 Sensor 1)
P0154 O2 Sensor Circuit No Activity Detected (Bank 2 Sensor 1)
P0155 O2 Sensor Heater Circuit Circuit Malfunction (Bank 2 Sensor 1)
P0156 O2 Sensor Circuit Malfunction (Bank 2 Sensor 2)
P0157 O2 Sensor Circuit Low Voltage (Bank 2 Sensor 2)
P0158 O2 Sensor Circuit High Voltage (Bank 2 Sensor 2)
P0159 O2 Sensor Circuit Slow Response (Bank 2 Sensor 2)
P0160 O2 Sensor Circuit No Activity Detected (Bank 2 Sensor 2)
P0161 O2 Sensor Heater Circuit -Circuit Malfunction (Bank 2 Sensor 2)
P0162 O2 Sensor Circuit Malfunction (Bank 2 Sensor 3)
P0163 O2 Sensor Circuit Low Voltage (Bank 2 Sensor 3)
P0164 O2 Sensor Circuit High Voltage (Bank 2 Sensor 3)
P0165 O2 Sensor Circuit Slow Response (Bank 2 Sensor 3)
P0166 O2 Sensor Circuit No Activity Detected (Bank 2 Sensor 3)
P0167 O2 Sensor Heater Circuit -Circuit Malfunction (Bank 2 Sensor 3)
P0168 Fuel Temperature Too High
P0169 Incorrect Fuel Composition
P0170 Fuel Trim (Bank 1) -Malfunction
P0171 System too Lean (Bank 1)
P0172 System too Rich (Bank 1)
P0173 Fuel Trim Malfunction (Bank 2) -Malfunction
P0174 System too Lean (Bank 2)
P0175 System too Rich (Bank 2)
P0176 Fuel Composition Sensor Circuit -Circuit Malfunction
P0177 Fuel Composition Sensor Circuit Range/Performance
P0178 Fuel Composition Sensor Circuit Low Input
P0179 Fuel Composition Sensor Circuit High Input
P0180 Fuel Temperature Sensor A -Circuit Malfunction
P0181 Fuel Temperature Sensor A Circuit Range/Performance
P0182 Fuel Temperature Sensor A Circuit Low Input
P0183 Fuel Temperature Sensor A Circuit High Input
P0184 Fuel Temperature Sensor A Circuit Intermittent

P0185 Fuel Temperature Sensor B -Circuit Malfunction
P0186 Fuel Temperature Sensor B Circuit Range/Performance
P0187 Fuel Temperature Sensor B Circuit Low Input
P0188 Fuel Temperature Sensor B Circuit High Input
P0189 Fuel Temperature Sensor B Circuit Intermittent
P0190 Fuel Rail Pressure Sensor Circuit Malfunction
P0191 Fuel Rail Pressure Sensor Circuit Range/Performance
P0192 Fuel Rail Pressure Sensor Circuit Low Input
P0193 Fuel Rail Pressure Sensor Circuit High Input
P0194 Fuel Rail Pressure Sensor Circuit Intermittent
P0195 Engine Oil Temperature Sensor Circuit Malfunction
P0196 Engine Oil Temperature Sensor Range/Performance
P0197 Engine Oil Temperature Sensor Low
P0198 Engine Oil Temperature Sensor High
P0199 Engine Oil Temperature Sensor Intermittent
P0200 Injector Circuit Malfunction
P0201 Injector 1 -Circuit Malfunction
P0202 Injector 2 -Circuit Malfunction
P0203 Injector 3 -Circuit Malfunction
P0204 Injector 4 -Circuit Malfunction
P0205 Injector 5 -Circuit Malfunction
P0206 Injector 6 -Circuit Malfunction
P0207 Injector 7 -Circuit Malfunction
P0208 Injector 8 -Circuit Malfunction
P0209 Injector 9 -Circuit Malfunction
P0210 Injector 10 -Circuit Malfunction
P0211 Injector 11 -Circuit Malfunction
P0212 Injector 12 -Circuit Malfunction
P0213 Cold Start Injector 1 -Circuit Malfunction
P0214 Cold Start Injector 2 -Circuit Malfunction
P0215 Fuel Shut Off Solenoid -Circuit Malfunction
P0216 Fuel Injection Timing Control -Circuit Malfunction
P0217 Engine Over Temperature Condition
P0218 Transmission Over Temperature Condition
P0219 Engine Over Speed Condition
P0220 Throttle/Pedal Position Sensor/Switch B -Circuit Malfunction
P0221 Throttle/Pedal Position Sensor/Switch B Circuit Range/Performance Problem
P0222 Throttle/Pedal Position Sensor/Switch B Circuit Low Input
P0223 Throttle/Pedal Position Sensor/Switch B Circuit High Input
P0224 Throttle/Pedal Position Sensor/Switch B Circuit Intermittent
P0225 Throttle/Pedal Position Sensor/Switch C -Circuit Malfunction
P0226 Throttle/Pedal Position Sensor/Switch C Circuit Range/Performance Problem
P0227 Throttle/Pedal Position Sensor/Switch C Circuit Low Input
P0228 Throttle/Pedal Position Sensor/Switch C Circuit High Input
P0229 Throttle/Pedal Position Sensor/Switch C Circuit Intermittent
P0230 Fuel Pump Relay -Circuit Malfunction
P0231 Fuel Pump Relay -Circuit Low
P0232 Fuel Pump Relay -Circuit High
P0233 Fuel Pump Relay -Circuit Intermittent

P0234 Engine Boost Condition -Limit Exceeded
 P0235 Engine Boost Condition -Limit Not Reached
 P0236 Turbo/Super Charger Boost Sensor A Circuit Range/Performance
 P0237 Turbo/Super Charger Boost Sensor A Circuit Low
 P0238 Turbo/Super Charger Boost Sensor A Circuit High
 P0239 Turbo/Super Charger Boost Sensor B Circuit
 P0240 Turbo/Super Charger Boost Sensor B Circuit Range/Performance
 P0241 Turbo/Super Charger Boost Sensor B Circuit Low
 P0242 Turbo/Super Charger Boost Sensor B Circuit High
 P0243 Turbo/Super Charger Wastegate Regulating Solenoid/Valve A
 P0244 Turbo/Super Charger Wastegate Regulating Solenoid/Valve A
 Range/Performance
 P0245 Turbo/Super Charger Wastegate Regulating Solenoid/Valve A Low
 P0246 Turbo/Super Charger Wastegate Regulating Solenoid/Valve A High
 P0247 Turbo/Super Charger Wastegate Regulating Solenoid/Valve B
 P0248 Turbo/Super Charger Wastegate Regulating Solenoid/Valve B
 Range/Performance
 P0249 Turbo/Super Charger Wastegate Regulating Solenoid/Valve B Low
 P0250 Turbo/Super Charger Wastegate Regulating Solenoid/Valve B High
 P0251 Injection Pump A -Circuit Malfunction (Cam/rotor/Injector)
 P0252 Injection Pump A - Circuit Range/Performance (Cam/Rotor/Injector)
 P0253 Injection Pump A - Circuit Low (Cam/Rotor/Injector)
 P0254 Injection Pump A - Circuit High (Cam/Rotor/Injector)
 P0255 Injection Pump A - Circuit Intermittent (Cam/Rotor/Injector)
 P0256 Injection Pump B - Circuit Malfunction (Cam/Rotor/Injector)
 P0257 Injection Pump B - Circuit Range/Performance (Cam/Rotor/Injector)
 P0258 Injection Pump B - Circuit Low (Cam/Rotor/Injector)
 P0259 Injection Pump B - Circuit High (Cam/Rotor/Injector)
 P0260 Injection Pump B - Circuit Intermittent (Cam/Rotor/Injector)
 P0261 Cylinder 1 Injector -Circuit Low
 P0262 Cylinder 1 Injector -Circuit High
 P0263 Cylinder 1 -Contribution/Balance
 P0264 Cylinder 2 Injector -Circuit Low
 P0265 Cylinder 2 Injector -Circuit High
 P0266 Cylinder 2 -Contribution/Balance
 P0267 Cylinder 3 Injector -Circuit Low
 P0268 Cylinder 3 Injector -Circuit High
 P0269 Cylinder 4 -Contribution/Balance
 P0270 Cylinder 4 Injector -Circuit Low
 P0271 Cylinder 4 Injector -Circuit High
 P0272 Cylinder 4 -Contribution/Balance
 P0273 Cylinder 5 Injector -Circuit Low
 P0274 Cylinder 5 Injector -Circuit High
 P0275 Cylinder 5 -Contribution/Balance
 P0276 Cylinder 6 Injector -Circuit Low
 P0277 Cylinder 6 Injector -Circuit High
 P0278 Cylinder 6 -Contribution/Balance
 P0279 Cylinder 7 Injector -Circuit Low
 P0280 Cylinder 7 Injector -Circuit High

P0281 Cylinder 7 -Contribution/Balance
P0282 Cylinder 8 Injector -Circuit Low
P0283 Cylinder 8 Injector -Circuit High
P0284 Cylinder 8 -Contribution/Balance
P0285 Cylinder 9 Injector -Circuit Low
P0286 Cylinder 9 Injector -Circuit High
P0287 Cylinder 9 -Contribution/Balance
P0288 Cylinder 10 Injector -Circuit Low
P0289 Cylinder 10 Injector -Circuit High
P0290 Cylinder 10 -Contribution/Balance
P0291 Cylinder 11 Injector -Circuit Low
P0292 Cylinder 11 Injector -Circuit High
P0293 Cylinder 11 -Contribution/Balance
P0294 Cylinder 12 Injector -Circuit Low
P0295 Cylinder 12 Injector -Circuit High
P0296 Cylinder 12 -Contribution/Balance
P0297 Vehicle Over-speed Condition
P0298 Engine Oil Temperature -Too High
P0299 Turbo/Supercharger -Under-boost
P0300 Random/Multiple Cylinder Misfire Detected
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
P0307 Cylinder 7 -Misfire Detected
P0308 Cylinder 8 -Misfire Detected
P0309 Cylinder 9 -Misfire Detected
P0310 Cylinder 10 -Misfire Detected
P0311 Cylinder 11 -Misfire Detected
P0312 Cylinder 12 -Misfire Detected
P0313 Misfire Detected -Low Fuel
P0314 Single Cylinder Misfire (Cylinder not Specified)
P0315 Crankshaft Position System -Variation Not Learned
P0316 Engine Misfire Detected on Start-up (First 1000 Revolutions)
P0317 Rough Road Hardware -Not Present
P0318 Rough Road Sensor A -Circuit Malfunction
P0319 Rough Road Sensor B -Circuit Malfunction
P0320 Crankshaft/Engine Speed (RPM) Sensor -Circuit Malfunction
P0321 Crankshaft/Engine Speed (RPM) Sensor -Range/Performance
P0322 Crankshaft/Engine Speed (RPM) Sensor -No Signal
P0323 Crankshaft/Engine Speed (RPM) Sensor -Intermittent
P0324 Knock Control System Error
P0325 Knock Sensor 1 Circuit (Bank 1 or Single Sensor) -Circuit Malfunction
P0326 Knock Sensor 1 Circuit Range/Performance (Bank 1 or Single Sensor)
P0327 Knock Sensor 1 Circuit Low Input (Bank 1 or Single Sensor)
P0328 Knock Sensor 1 Circuit High Input (Bank 1 or Single Sensor)
P0329 Knock Sensor 1 Circuit Input Intermittent (Bank 1 or Single Sensor)

P0330 Knock Sensor 2 Circuit (Bank 2) -Circuit Malfunction
P0331 Knock Sensor 2 Circuit Range/Performance (Bank 2)
P0332 Knock Sensor 2 Circuit Low Input (Bank 2)
P0333 Knock Sensor 2 Circuit High Input (Bank 2)
P0334 Knock Sensor 2 Circuit Input Intermittent (Bank 2)
P0335 Crankshaft Position Sensor -Circuit Malfunction
P0336 Crankshaft Position Sensor -Range/Performance
P0337 Crankshaft Position Sensor -Low Input
P0338 Crankshaft Position Sensor -High Input
P0339 Crankshaft Position Sensor -Intermittent
P0340 Camshaft Position Sensor A Circuit (Bank 1 or Single Sensor) -Circuit

Malfunction

P0341 Camshaft Position Sensor A Circuit Range/Performance (Bank 1 or Single Sensor)
P0342 Camshaft Position Sensor A Circuit Low Input (Bank 1 or Single Sensor)
P0343 Camshaft Position Sensor A Circuit High Input (Bank 1 or Single Sensor)
P0344 Camshaft Position Sensor A Circuit Intermittent (Bank 1 or Single Sensor)
P0345 Camshaft Position Sensor A Circuit (Bank 2) -Circuit Malfunction
P0346 Camshaft Position Sensor A Circuit Range/Performance (Bank 2)
P0347 Camshaft Position Sensor A Circuit Low Input (Bank 2)
P0348 Camshaft Position Sensor A Circuit High Input (Bank 2)
P0349 Camshaft Position Sensor A Circuit Intermittent (Bank 2)
P0350 Ignition Coil Primary/Secondary Circuit -Circuit Malfunction
P0351 Ignition Coil A Primary/Secondary Circuit
P0352 Ignition Coil B Primary/Secondary Circuit
P0353 Ignition Coil C Primary/Secondary Circuit
P0354 Ignition Coil D Primary/Secondary Circuit
P0355 Ignition Coil E Primary/Secondary Circuit
P0356 Ignition Coil F Primary/Secondary Circuit
P0357 Ignition Coil G Primary/Secondary Circuit
P0358 Ignition Coil H Primary/Secondary Circuit
P0359 Ignition Coil I Primary/Secondary Circuit
P0360 Ignition Coil J Primary/Secondary Circuit
P0361 Ignition Coil K Primary/Secondary Circuit
P0362 Ignition Coil L Primary/Secondary Circuit
P0363 Misfire Detected - Fuelling Disabled
P0364 Reserved
P0365 Camshaft Position Sensor B Circuit (Bank 1) -Circuit Malfunction
P0366 Camshaft Position Sensor B Circuit Range/Performance (Bank 1)
P0367 Camshaft Position Sensor B Circuit Low Input (Bank 1)
P0368 Camshaft Position Sensor B Circuit High Input (Bank 1)
P0369 Camshaft Position Sensor B Circuit Intermittent (Bank 1)
P0370 Timing Reference High Resolution Signal A -Circuit Malfunction
P0371 Timing Reference High Resolution Signal A Too Many Pulses
P0372 Timing Reference High Resolution Signal A Too Few Pulses
P0373 Timing Reference High Resolution Signal A Intermittent/Erratic Pulses
P0374 Timing Reference High Resolution Signal A No Pulses
P0375 Timing Reference High Resolution Signal B -Circuit Malfunction
P0376 Timing Reference High Resolution Signal B Too Many Pulses

P0377 Timing Reference High Resolution Signal B Too Few Pulses
P0378 Timing Reference High Resolution Signal B Intermittent/Erratic Pulses
P0379 Timing Reference High Resolution Signal B No Pulses
P0380 Glow Plug/Heater Circuit A -Circuit Malfunction
P0381 Glow Plug/Heater Indicator/Warning Lamp Circuit
P0382 Glow Plug/Heater Circuit B
P0383 Glow Plug/Heater Control Module -Circuit Low
P0384 Glow Plug/Heater Control Module -Circuit High
P0385 Crankshaft Position Sensor B -Circuit Malfunction
P0386 Crankshaft Position Sensor B -Circuit Range/Performance
P0387 Crankshaft Position Sensor B -Circuit Low Input
P0388 Crankshaft Position Sensor B -Circuit High Input
P0389 Crankshaft Position Sensor B -Circuit Intermittent
P0390 camshaft Position Sensor B -Circuit Malfunction (Bank 2)
P0391 Camshaft Position Sensor B circuit Range/Performance (Bank 2)
P0392 Camshaft Position Sensor B Circuit Low Input (Bank 2)
P0393 Camshaft Position Sensor B Circuit High Input (Bank 2)
P0394 Camshaft Position Sensor B Circuit Intermittent (Bank 2)
P0400 Exhaust Gas Recirculation -Flow Malfunction
P0401 Exhaust Gas Recirculation -Insufficient Flow Detected
P0402 Exhaust Gas Recirculation -Excessive Flow Detected
P0403 Exhaust Gas Recirculation Control -Circuit Malfunction
P0404 Exhaust Gas Recirculation Control -Circuit Range/Performance
P0405 Exhaust Gas Recirculation Sensor A -Circuit Low
P0406 Exhaust Gas Recirculation Sensor A -Circuit High
P0407 Exhaust Gas Recirculation Sensor B -Circuit Low
P0408 Exhaust Gas Recirculation Sensor B -Circuit High
P0409 Exhaust Gas Recirculation Sensor A -Circuit
P0410 Secondary Air Injection System
P0411 Secondary Air Injection System -Incorrect Flow Detected
P0412 Secondary Air Injection System Solenoid A -Circuit Malfunction
P0413 Secondary Air Injection System Solenoid A Circuit Open
P0414 Secondary Air Injection System Solenoid A Circuit Shorted
P0415 Secondary Air Injection System Solenoid B -Circuit Malfunction
P0416 secondary Air Injection System Solenoid B Circuit Open
P0417 secondary Air Injection System Solenoid B Circuit Shorted
P0418 Secondary Air Injection System Pump Relay A -Circuit Malfunction
P0419 Secondary Air injection System Pump Relay B -Circuit Malfunction
P0420 Catalytic Converter System -Efficiency Below Threshold (Bank 1)
P0421 Warm Up Catalytic Converter -Efficiency Below Threshold (Bank 1)
P0422 Main Catalytic Converter -Efficiency Below Threshold (Bank 1)
P0423 Heated Catalytic Converter -Efficiency Below Threshold (Bank 1)
P0424 Heated Catalytic Converter -Temperature Below Threshold (Bank 1)
P0425 Catalytic Converter Temperature Sensor (Bank 1)
P0426 Catalytic Converter Temperature Sensor Range/Performance (Bank 1)
P0427 Catalytic Converter Temperature Sensor Low Input (Bank 1)
P0428 Catalytic Converter Temperature Sensor High Input (Bank 1)
P0429 Catalytic Converter Heater Control Circuit (Bank 1)
P0430 Catalytic Converter -System Efficiency Below Threshold (Bank 2)

P0431 Warm Up Catalytic Converter -Efficiency Below Threshold (Bank 2)
 P0432 Main Catalytic Converter -Efficiency Below Threshold (Bank 2)
 P0433 Heated Catalytic Converter -Efficiency Below Threshold (Bank 2)
 P0434 Heated Catalytic Converter -Temperature Below Threshold (Bank 2)
 P0435 Catalytic Converter Temperature Sensor (Bank 2)
 P0436 Catalytic Converter Temperature Sensor -Range/Performance (Bank 2)
 P0437 Catalytic Converter Temperature Sensor -Low Input (Bank 2)
 P0438 Catalytic Converter Temperature Sensor -High Input (Bank 2)
 P0439 Catalytic Converter Heater Control -Circuit (Bank 2)
 P0440 Evaporative Emission Control System
 P0441 Evaporative Emission Control System -Incorrect Flow Detected
 P0442 Evaporative Emission Control System -Leak Detected (small leak)
 P0443 Evaporative Emission Control System -Purge Control Valve Circuit
 P0444 Evaporative Emission Control System -Purge Control Valve Circuit Open
 P0445 Evaporative Emission Control System -Purge Control Valve Circuit Shorted
 P0446 Evaporative Emission Control System -Vent Control Circuit
 P0447 Evaporative Emission Control System -Vent Control Circuit Open
 P0448 Evaporative Emission Control System -Vent Control Circuit Shorted
 P0449 Evaporative Emission Control System -Vent Valve/Solenoid Circuit
 P0450 Evaporative Emission Control System -Pressure Sensor
 P0451 Evaporative Emission Control System Pressure Sensor Range/Performance
 P0452 Evaporative Emission Control System -Pressure Sensor Low Input
 P0453 Evaporative Emission Control System -Pressure Sensor High input
 P0454 Evaporative Emission Control System -Pressure Sensor Intermittent
 P0455 Evaporative Emission Control System -Leak Detected (Large Leak)
 P0456 Evaporative Emission Control System -Leak Detected (Very Small Leak)
 P0457 Evaporative Emission Control System -Leak Detected (Fuel Cap Loose/Off)
 P0458 Evaporative Emission Control System -Valve Circuit Low
 P0459 Evaporative Emission Control System -Valve Circuit High
 P0460 Fuel Tank Level Sensor Circuit
 P0461 Fuel Tank Level Sensor Circuit Range/Performance
 P0462 Fuel Tank Level Sensor Circuit Low Input
 P0463 Fuel Tank Level Sensor Circuit High Input
 P0464 Fuel Tank Level Sensor Circuit Intermittent
 P0465 EVAP Evaporative Emission Canister Purge Flow Sensor Circuit
 P0466 EVAP Evaporative Emission Canister Purge Flow Sensor Circuit
 Range/Performance
 P0467 EVAP Evaporative Emission Canister Purge Flow Sensor Circuit Low Input
 P0468 EVAP Evaporative Emission Canister Purge Flow Sensor Circuit High Input
 P0469 EVAP Evaporative Emission Canister Purge Flow Sensor Circuit Intermittent
 P0470 Exhaust Gas Pressure Sensor
 P0471 Exhaust Gas Pressure Sensor Range/Performance
 P0472 Exhaust Gas Pressure Sensor Low
 P0473 Exhaust Gas Pressure Sensor High
 P0474 Exhaust Gas Pressure Sensor Intermittent
 P0475 Exhaust Gas Pressure Control Valve
 P0476 Exhaust Gas Pressure Control Valve Range/Performance
 P0477 Exhaust Gas Pressure Control Valve Low
 P0478 Exhaust Gas Pressure Control Valve High

P0479 Exhaust Gas Pressure Control Valve Intermittent
P0480 Engine Cooling Fan 1 -Control Circuit
P0481 Engine Cooling Fan 2 -Control Circuit
P0482 Engine Cooling Fan 3 -Control Circuit
P0483 Engine Cooling Fan -Rationality Check
P0484 Engine Cooling Fan -Circuit Over Current
P0485 Engine Cooling Fan -Power/Ground Circuit
P0486 Exhaust Gas Recirculation Sensor B Circuit
P0487 Exhaust Gas Recirculation Throttle Position Control Circuit
P0488 Exhaust Gas Recirculation Throttle Position Control Range/Performance
P0489 Exhaust Gas Recirculation Control Circuit Low
P0490 Exhaust Gas Recirculation Control Circuit High
P0491 Secondary Air Injection System (Bank 1)
P0492 Secondary Air Injection System (Bank 2)
P0493 Engine Coolant Fan Overspeed (Clutch Locked)
P0494 Engine Fan Speed Low
P0495 Engine Fan Speed High
P0496 Evaporative Emission System -High Purge Flow
P0497 Evaporative Emission System -Low Purge Flow
P0498 Evaporative Emission System Vent Valve -Control Circuit Low
P0499 Evaporative Emission System Vent Valve -Control Circuit High
P0500 Vehicle Speed Sensor
P0501 Vehicle Speed Sensor -Range/Performance
P0502 Vehicle Speed Sensor Circuit -Low Input
P0503 Vehicle Speed Sensor -Intermittent/Erratic/High Input
P0504 Brake Switch A/B Correlation
P0505 Idle Control System
P0506 Idle Control System -RPM Lower Than Expected
P0507 Idle Control System -RPM Higher Than Expected
P0508 Idle Control System -Circuit Low
P0509 Idle Control System -Circuit High
P0510 Closed Throttle Position Switch
P0512 Starter Request Circuit
P0513 Incorrect Immobilizer Key
P0514 Battery Temperature Sensor Circuit Range/Performance
P0515 Battery Temperature Sensor Circuit
P0516 Battery Temperature Sensor Circuit Low
P0517 Battery Temperature Sensor Circuit High
P0518 Idle Air Control Circuit -Intermittent
P0519 Idle Air Control System -Performance
P0520 Engine Oil Pressure Sensor/Switch Circuit
P0521 Engine Oil Pressure Sensor/Switch Range/Performance
P0522 Engine Oil Pressure Sensor/Switch Low Voltage
P0523 Engine Oil Pressure Sensor/Switch High Voltage
P0524 Engine Oil Pressure Too Low
P0525 Cruise Control Servo/Actuator Control Circuit Range/Performance
P0526 Engine Fan Speed Sensor Circuit
P0527 Engine Fan Speed Sensor Circuit Range/Performance
P0528 Engine Fan Speed Sensor Circuit No Signal

P0529 Engine Fan Speed Sensor Circuit Intermittent
P0530 A/C Refrigerant Pressure Sensor Circuit
P0531 A/C Refrigerant Pressure Sensor Circuit Range/Performance
P0532 A/C Refrigerant Pressure Sensor Circuit Low Input
P0533 A/C Refrigerant Pressure Sensor Circuit High Input
P0534 Air Conditioner Refrigerant Charge Loss
P0535 A/C Evaporator Temperature Sensor Circuit
P0536 A/C Evaporator Temperature Sensor Circuit Range/Performance
P0537 A/C Evaporator Temperature Sensor Circuit Low
P0538 A/C Evaporator Temperature Sensor Circuit High
P0539 A/C Evaporator Temperature Sensor Circuit Intermittent
P0540 Intake Air Heater A Circuit
P0541 Intake Air Heater A Circuit Low
P0542 Intake Air Heater A Circuit High
P0543 Intake Air Heater A Circuit Open
P0544 Exhaust Gas Recirculation Temperature Sensor Circuit (Bank 1)
P0545 Exhaust Gas Recirculation Temperature Sensor Circuit Low (Bank 1)
P0546 Exhaust Gas Recirculation Temperature Sensor Circuit High (Bank 1)
P0547 Exhaust Gas Recirculation Temperature Sensor Circuit (Bank 2)
P0548 Exhaust Gas Recirculation Temperature Sensor Circuit Low (Bank 2)
P0549 Exhaust Gas Recirculation Temperature Sensor Circuit High (Bank 2)
P0550 Power Steering Pressure Sensor/Switch Circuit
P0551 Power Steering Pressure Sensor/Switch Circuit Range/Performance
P0552 Power Steering Pressure Sensor/Switch Circuit Low Input
P0553 Power Steering Pressure Sensor/Switch Circuit High Input
P0554 Power Steering Pressure Sensor/Switch Circuit Intermittent
P0555 Brake Servo Pressure Sensor -Circuit Malfunction
P0556 Brake Servo Pressure Sensor -Circuit Range/Performance
P0557 Brake Servo Pressure Sensor -Circuit Low Input
P0558 Brake Servo Pressure Sensor -Circuit High Input
P0559 Brake Servo Pressure Sensor -Circuit Intermittent
P0560 System Voltage
P0561 System Voltage -Unstable
P0562 System Voltage -Low
P0563 System Voltage -High
P0564 Cruise Control Multi-Function Switch Input Signal A
P0565 Cruise Control Switch On Signal
P0566 Cruise Control Switch Off Signal
P0567 Cruise Control Switch Resume Signal
P0568 Cruise Control Switch Set Signal
P0569 Cruise Control Switch Coast Signal
P0570 Cruise Control Switch Accel Signal
P0571 Cruise Control/Brake Switch A Circuit
P0572 Cruise Control/Brake Switch A Circuit Low
P0573 Cruise Control/Brake Switch A Circuit High
P0574 Cruise Control System - Vehicle Speed Too High
P0575 Cruise Control Input Circuit
P0576 Cruise Control Input Circuit Low
P0577 Cruise Control Input Circuit High

P0578 Cruise Control Multi-Function Switch Input A Circuit Stuck
 P0579 Cruise Control Multi-Function Switch Input A Circuit Range/Performance
 P0580 Cruise Control Multi-Function Switch Input A Circuit Low
 P0581 Cruise Control Multi-Function Switch Input A Circuit High
 P0582 Cruise Control Vacuum Control Circuit/Open
 P0583 Cruise Control Vacuum Control Circuit Low
 P0584 Cruise Control Vacuum Control Circuit High
 P0585 Cruise Control Multi-Function Switch Input A/B Correlation
 P0586 Cruise Control Vent Control Circuit/Open
 P0587 Cruise Control Vent Control Circuit Low
 P0588 Cruise Control Vent Control Circuit High
 P0589 Cruise Control Multi-Function Switch Input B Circuit
 P0590 Cruise Control Multi-Function Switch Input B Circuit Stuck
 P0591 Cruise Control Multi-Function Switch Input B Circuit Range/Performance
 P0592 Cruise Control Multi-Function Switch Input B Circuit Low
 P0593 Cruise Control Multi-Function Switch Input B Circuit High
 P0594 Cruise Control Servo/Actuator Control Circuit/Open
 P0595 Cruise Control Servo/Actuator Control Circuit Low
 P0596 Cruise Control Servo/Actuator Control Circuit High
 P0597 Thermostat Heater Control Circuit/Open
 P0598 Thermostat Heater Control Circuit Low
 P0599 Thermostat Heater Control Circuit High
 P0600 CAN Data Bus -Malfunction
 P0601 Engine Control Module Memory Check Sum Error
 P0602 Engine Control Module Programming Error
 P0603 Engine Control Module Keep Alive Memory (KAM) Error
 P0604 Engine Control Module Random Access Memory (RAM) Error
 P0605 Engine Control Module Read Only Memory (ROM) Error
 P0606 Engine ECM/PCM Processor Fault
 P0607 Control Module Performance
 P0608 Engine Control Module VSS Output A
 P0609 Engine Control Module VSS Output B
 P0610 Control Module -Vehicle Options Error
 P0611 Fuel Injector Control Module -Performance
 P0612 Fuel Injector Control Module -Relay Control
 P0613 Transmission Control Module (TCM) Processor
 P0614 Engine Control Module (ECM) /Transmission Control Module (TCM)
 Incompatible/Mismatch
 P0615 Starter Motor Relay Circuit
 P0616 Starter Motor Relay Circuit Low
 P0617 Starter Motor Relay Circuit High
 P0618 Alternative Fuel Control Module KAM Error
 P0619 Alternative Fuel Control Module RAM/ROM Error
 P0620 Alternator Control Circuit
 P0621 Alternator Warning Lamp
 P0622 Alternator Field Control Circuit
 P0623 Alternator Control Lamp Circuit
 P0624 Fuel Filler Cap Control Lamp Circuit
 P0625 Generator Field Terminal -Circuit Low

P0626 Generator Field Terminal -Circuit High
P0627 Fuel Pump Control -Circuit Open
P0628 Fuel Pump Control -Circuit Low
P0629 Fuel Pump Control -Circuit High
P0630 VIN Not Programmed or Mismatch - ECM/PCM
P0631 VIN Not Programmed or Mismatch - TCM
P0632 Odometer Not Programmed -ECM/PCM
P0633 Immobilizer Key Not Programmed -ECM/PCM
P0634 ECM/PCM/TCM -Internal Temperature Too High
P0635 Power Steering Control -Circuit
P0636 Power Steering Control -Circuit Low
P0637 Power Steering Control -Circuit High
P0638 Throttle Actuator Control Range/Performance (Bank 1)
P0639 Throttle Actuator Control Range/Performance (Bank 2)
P0640 Intake Air Heater Control -Circuit
P0641 Sensor Reference Voltage A -Circuit Open
P0642 Engine Control Module (ECM) Knock Control -Defective
P0643 Sensor Reference Voltage A -Circuit High
P0644 Driver Display, Serial Communication -Circuit Malfunction
P0645 A/C Clutch Relay Control -Circuit
P0646 A/C Clutch Relay Control -Circuit Low
P0647 A/C Clutch Relay Control -Circuit High
P0648 Immobilizer Lamp Control Circuit
P0649 Cruise Control Lamp -Control Circuit
P0650 Malfunction Indicator Lamp (ML) -Control Circuit
P0651 Sensor Reference Voltage B -Circuit Open
P0652 Sensor Reference Voltage B -Circuit Low
P0653 Sensor Reference Voltage B -Circuit High
P0654 Engine RPM Output Circuit
P0655 Engine Hot Lamp Output Control Circuit
P0656 Fuel Level Output Circuit
P0657 Actuator Supply Voltage -Circuit Open
P0658 Actuator Supply Voltage -Circuit Low
P0659 Actuator Supply Voltage -Circuit High
P0660 Intake Manifold Air Control Solenoid -Circuit (Bank 1)
P0661 Intake Manifold Air Control Solenoid -Circuit Low (Bank 1)
P0662 Intake Manifold Air Control Solenoid -Circuit High (Bank 1)
P0663 Intake Manifold Air Control Solenoid -Circuit (Bank 2)
P0664 Intake Manifold Air Control Solenoid -Circuit Low (Bank 2)
P0665 Intake Manifold Air Control Solenoid -Circuit High (Bank 2)
P0666 ECM/PCM/TCM -Internal Temperature Sensor
P0667 ECM/PCM/TCM -Internal Temperature Sensor -Range/Performance
P0668 ECM/PCM/TCM -Internal Temperature Sensor -Circuit Low
P0669 ECM/PCM/TCM -Internal Temperature Sensor -Circuit High
P0670 Glow plug control Module -circuit malfunction
P0671 Glow plug 1 -circuit failure
P0672 Glow plug 2 -circuit failure
P0673 Glow plug 3 -circuit failure
P0674 Glow plug 4 -circuit failure

P0675 Glow plug 5 -circuit failure
P0676 Glow plug 6 -circuit failure
P0677 Glow plug 7 -circuit failure
P0678 Glow plug 8 -circuit failure
P0679 Glow plug 9 -circuit failure
P0680 Glow plug 10 -circuit failure
P0681 Glow plug 11 -circuit failure
P0682 Glow plug 12 -circuit failure
P0683 Glow plug Control Module/ECM/PCM -communication fault
P0684 Glow plug Control Module/ECM/PCM -Range/Performance
P0685 ECM/PCM Power Relay -Open Circuit
P0686 ECM/PCM Power Relay -Low Circuit
P0687 Engine Control Relay -Short To Earth
P0688 Engine Control Relay -Short To Positive
P0689 ECM/PCM Power Relay -Sense Circuit Low
P0690 ECM/PCM Power Relay - Sense Circuit High
P0691 Engine Coolant Blower Motor 1 -Short To Earth
P0692 Engine Coolant Blower Motor 1 - Short To Positive
P0693 Engine Coolant Blower Motor 2 -Short To Earth
P0694 Engine Coolant Blower Motor 2 - Short To Positive
P0695 Engine Coolant Blower Motor 3 -Circuit Low
P0696 Engine Coolant Blower Motor 3 - Circuit High
P0697 Sensor Reference Voltage C -Circuit Open
P0698 Sensor Reference Voltage C - Circuit Low
P0699 Sensor Reference Voltage C - Circuit High
P0700 Transmission Control System
P0701 Transmission Control System Range/Performance
P0702 Transmission Control System -Electrical
P0703 Torque Converter/Brake Switch B Circuit
P0704 Clutch Pedal Position Switch -Circuit Malfunction
P0705 Transmission Range Sensor/Switch Circuit Malfunction (PRNDL Input)
P0706 Transmission Range Sensor/Switch Circuit Range/Performance
P0707 Transmission Range Sensor/Switch Circuit Low Input
P0708 Transmission Range Sensor/Switch Circuit High Input
P0709 Transmission Range Sensor/Switch Circuit intermittent
P0710 Transmission Fluid Temperature Sensor Circuit
P0711 Transmission Fluid Temperature Sensor Circuit Range/Performance
P0712 Transmission Fluid Temperature Sensor Circuit Low Input
P0713 Transmission Fluid Temperature Sensor Circuit High Input
P0714 Transmission Fluid Temperature Sensor Circuit Intermittent
P0715 Input/Turbine Speed Sensor Circuit
P0716 Input/Turbine Speed Sensor Circuit Range/Performance
P0717 Input/Turbine Speed Sensor Circuit No Signal
P0718 Input/Turbine Speed Sensor Circuit Intermittent
P0719 Torque Converter/Brake Switch B Circuit Low
P0720 Output Shaft Speed Sensor Circuit
P0721 Output Shaft Speed Sensor Circuit Range/Performance
P0722 Output Shaft Speed Sensor Circuit No Signal
P0723 Output Shaft Speed Sensor Circuit Intermittent

P0724 Torque Converter/Brake Switch B Circuit High
P0725 Engine RPM Input Circuit
P0726 Engine RPM Input Circuit Range/Performance
P0727 Engine RPM Input Circuit No Signal
P0728 Engine RPM Input Circuit Intermittent
P0729 Gear 6 Incorrect Ratio
P0730 Incorrect Gear Ratio
P0731 Gear 1 Incorrect Ratio
P0732 Gear 2 Incorrect Ratio
P0733 Gear 3 Incorrect Ratio
P0734 Gear 4 Incorrect Ratio
P0735 Gear 5 Incorrect Ratio
P0736 Reverse Incorrect Ratio
P0737 TCM Engine Speed Output Circuit
P0738 TCM Engine Speed Output Circuit Low
P0739 TCM Engine Speed Output Circuit High
P0740 Torque Converter Clutch Solenoid Circuit
P0741 Torque Converter Clutch Solenoid Circuit Performance or Stuck Off
P0742 Torque Converter Clutch Solenoid Circuit Stuck On
P0743 Torque Converter Clutch Solenoid Circuit Electrical
P0744 Torque Converter Clutch Solenoid Circuit Intermittent
P0745 Transmission Fluid Pressure Control Solenoid
P0746 Transmission Fluid Pressure Control Solenoid -Performance or Stuck Off
P0747 Transmission Fluid Pressure Control Solenoid -Stuck On
P0748 Transmission Fluid Pressure Control Solenoid -Electrical
P0749 Transmission Fluid Pressure Control Solenoid -Intermittent
P0750 Shift Solenoid A
P0751 Shift Solenoid A -Performance or Stuck Off
P0752 Shift Solenoid A -Stuck On
P0753 Shift Solenoid A -Electrical
P0754 Shift Solenoid A -Intermittent
P0755 Shift Solenoid B
P0756 Shift Solenoid B Performance or Stuck Off
P0757 Shift Solenoid B Stuck On
P0758 Shift Solenoid B Electrical
P0759 Shift Solenoid B Intermittent
P0760 Shift Solenoid C
P0761 Shift Solenoid C Performance or Stuck Off
P0762 Shift Solenoid C Stuck On
P0763 Shift Solenoid C Electrical
P0764 Shift Solenoid C Intermittent
P0765 Shift Solenoid D
P0766 Shift Solenoid D Performance or Stuck Off
P0767 Shift Solenoid D Stuck On
P0768 Shift Solenoid D Electrical
P0769 Shift Solenoid D Intermittent
P0770 Shift Solenoid E
P0771 Shift Solenoid E Performance or Stuck Off
P0772 Shift Solenoid E Stuck On

P0773 Shift Solenoid E Electrical
P0774 Shift Solenoid E Intermittent
P0775 Pressure Control Solenoid B
P0776 Pressure Control Solenoid B Performance or Stuck Off
P0777 Pressure Control Solenoid B Stuck On
P0778 Pressure Control Solenoid B Electrical
P0779 Pressure Control Solenoid B Intermittent
P0780 Gear Selection -Shift Malfunction
P0781 Gear Selection 1-2 Shift Malfunction
P0782 Gear Selection 2-3 Shift Malfunction
P0783 Gear Selection 3-4 Shift Malfunction
P0784 Gear Selection 4-5 Shift Malfunction
P0785 Shift/Timing Solenoid
P0786 Shift/Timing Solenoid Range/Performance
P0787 Shift/Timing Solenoid Low
P0788 Shift/Timing Solenoid High
P0789 Shift/Timing Solenoid Intermittent
P0790 Transmission Mode Selection Switch
P0791 Intermediate Shaft Speed Sensor -Circuit
P0792 Intermediate Shaft Speed Sensor Circuit Range/Performance
P0793 Intermediate Shaft Speed Sensor Circuit No Signal
P0794 Intermediate Shaft Speed Sensor Circuit Intermittent
P0795 Transmission Fluid Pressure Control Solenoid C
P0796 Transmission Fluid Pressure Control Solenoid C Performance or Stuck off
P0797 Transmission Fluid Pressure Control Solenoid C Stuck On
P0798 Transmission Fluid Pressure Control Solenoid C Electrical
P0799 Transmission Fluid Pressure Control Solenoid C Intermittent
P0800 Transfer Box Control System (MIL Request)
P0801 Reverse Inhibit Circuit
P0802 Transmission Control System MIL Request Circuit/Open
P0803 14 Upshift (Skip Shift) Solenoid Circuit
P0804 14 Upshift (Skip Shift) Warning Lamp Circuit
P0805 Clutch Position Sensor Circuit
P0806 Clutch Position Sensor Circuit Range/Performance
P0807 Clutch Position Sensor Circuit Low
P0808 Clutch Position Sensor Circuit High
P0809 Clutch Position Sensor Circuit Intermittent
P0810 Clutch Position Control Error
P0811 Excessive Clutch Slip
P0812 Reverse Gear Input Circuit
P0813 Reverse Gear Output Circuit
P0814 Transmission Range Display -Circuit
P0815 Upshift Switch -Circuit
P0816 Downshift Switch -Circuit
P0817 Starter Disable -Circuit
P0818 Driveline Disconnect Switch -Circuit
P0819 Up/Down Shift Switch to Transmission Range Correlation
P0820 Gear Lever X-Y Position Sensor Circuit
P0821 Gear Lever X Position Circuit

P0822 Gear Lever Y Position Circuit
P0823 Gear Lever X Position Circuit Intermittent
P0824 Gear Lever Y Position Circuit Intermittent
P0825 Gear Lever Push-Pull Switch
P0826 Up/Down Shift Switch Circuit
P0827 Up/Down Shift Switch Circuit Low
P0828 Up/Down Shift Switch Circuit High
P0829 56 UpShift
P0830 Clutch Pedal Position Switch A Circuit
P0831 Clutch Pedal Position Switch A Circuit Low
P0832 Clutch Pedal Position Switch A Circuit High
P0833 Clutch Pedal Position Switch B Circuit
P0834 Clutch Pedal Position Switch B Circuit Low
P0835 Clutch Pedal Position Switch B Circuit High
P0836 Four Wheel Drive (4WD) Switch Circuit
P0837 Four Wheel Drive (4WD) Switch Circuit Range/Performance
P0838 Four Wheel Drive (4WD) Switch Circuit Low
P0839 Four Wheel Drive (4WD) Switch Circuit High
P0840 Transmission Fluid Pressure Sensor/Switch A Circuit
P0841 Transmission Fluid Pressure Sensor/Switch A Circuit Range/Performance
P0842 Transmission Fluid Pressure Sensor/Switch A Circuit Low
P0843 Transmission Fluid Pressure Sensor/Switch A Circuit High
P0844 Transmission Fluid Pressure Sensor/Switch A Circuit Intermittent
P0845 Transmission Fluid Pressure Sensor/Switch B Circuit
P0846 Transmission Fluid Pressure Sensor/Switch B Circuit Range/Performance
P0847 Transmission Fluid Pressure Sensor/Switch B Circuit Low
P0848 Transmission Fluid Pressure Sensor/Switch B Circuit High
P0849 Transmission Fluid Pressure Sensor/Switch B Circuit Intermittent
P0850 Park/Neutral Position Switch Input Circuit
P0851 Park/Neutral Position Switch Input Circuit Low
P0852 Park/Neutral Position Switch Input Circuit High
P0853 Drive Switch Input Circuit
P0854 Drive Switch Input Circuit Low
P0855 Drive Switch Input Circuit High
P0856 Traction Control Input Signal
P0857 Traction Control Input Signal Range/Performance
P0858 Traction Control Input Signal Low
P0859 Traction Control Input Signal High
P0860 Gear Shift Module Communication Circuit
P0861 Gear Shift Module Communication Circuit Low
P0862 Gear Shift Module Communication Circuit High
P0863 (TCM) Transmission Control Module Communication Circuit
P0864 (TCM) Transmission Control Module Communication Circuit
Range/Performance
P0865 (TCM) Transmission Control Module Communication Circuit Low
P0866 (TCM) Transmission Control Module Communication Circuit High
P0867 Transmission Fluid Pressure
P0868 Transmission Fluid Pressure Low
P0869 Transmission Fluid Pressure High

P0870 Transmission Fluid Pressure Sensor/Switch C Circuit
P0871 Transmission Fluid Pressure Sensor/Switch C Circuit Range/Performance
P0872 Transmission Fluid Pressure Sensor/Switch C Circuit Low
P0873 Transmission Fluid Pressure Sensor/Switch C Circuit High
P0874 Transmission Fluid Pressure Sensor/Switch C Circuit Intermittent
P0875 Transmission Fluid Pressure Sensor/Switch D Circuit
P0876 Transmission Fluid Pressure Sensor/Switch D Circuit Range/Performance
P0877 Transmission Fluid Pressure Sensor/Switch D Circuit Low
P0878 Transmission Fluid Pressure Sensor/Switch D Circuit High
P0879 Transmission Fluid Pressure Sensor/Switch D Circuit Intermittent
P0880 TCM Transmission Control Module Power Input Signal
P0881 TCM Transmission Control Module Power Input Signal Range/Performance
P0882 TCM Transmission Control Module Power Input Signal Low
P0883 TCM Transmission Control Module Power Input Signal High
P0884 TCM Transmission Control Module Power Input Signal Intermittent
P0885 TCM Transmission Control Module Power Relay Control Circuit/Open
P0886 TCM Transmission Control Module Power Relay Control Circuit Low
P0887 TCM Transmission Control Module Power Relay Control Circuit High
P0888 TCM Transmission Control Module Power Relay Sense Circuit
P0889 TCM Transmission Control Module Power Relay Sense Circuit
Range/Performance
P0890 TCM Transmission Control Module Power Relay Sense Circuit Low
P0891 TCM Transmission Control Module Power Relay Sense Circuit High
P0892 TCM Transmission Control Module Power Relay Sense Circuit Intermittent
P0893 Multiple Gears Engaged
P0894 Transmission Component Slipping
P0895 Shift Time Too Short
P0896 Shift Time Too Long
P0897 Transmission Fluid Deteriorated
P0898 Transmission Control System MIL Request Circuit Low
P0899 Transmission Control System MIL Request Circuit High
P0900 Clutch Actuator Circuit/Open
P0901 Clutch Actuator Circuit Range/Performance
P0902 Clutch Actuator Circuit Low
P0903 Clutch Actuator Circuit High
P0904 Transmission Gate Select Position Circuit
P0905 Transmission Gate Select Position Circuit Range/Performance
P0906 Transmission Gate Select Position Circuit Low
P0907 Transmission Gate Select Position Circuit High
P0908 Transmission Gate Select Position Circuit Intermittent
P0909 Transmission Gate Select Control Error
P0910 Transmission Gate Select Actuator Circuit/Open
P0911 Transmission Gate Select Actuator Circuit Range/Performance
P0912 Transmission Gate Select Actuator Circuit Low
P0913 Transmission Gate Select Actuator Circuit High
P0914 Gear Shift Position Circuit
P0915 Gear Shift Position Circuit Range/Performance
P0916 Gear Shift Position Circuit Low
P0917 Gear Shift Position Circuit High

P0918 Gear Shift Position Circuit Intermittent
P0919 Gear Shift Position Control Error
P0920 Gear Shift Forward Actuator Circuit/Open
P0921 Gear Shift Forward Actuator Circuit Range/Performance
P0922 Gear Shift Forward Actuator Circuit Low
P0923 Gear Shift Forward Actuator Circuit High
P0924 Gear Shift Reverse Actuator Circuit/Open
P0925 Gear Shift Reverse Actuator Circuit Range/Performance
P0926 Gear Shift Reverse Actuator Circuit Low
P0927 Gear Shift Reverse Actuator Circuit High
P0928 Gear Shift Lock Solenoid Control Circuit/Open
P0929 Gear Shift Lock Solenoid Control Circuit Range/Performance
P0930 Gear Shift Lock Solenoid Control Circuit Low
P0931 Gear Shift Lock Solenoid Control Circuit High
P0932 Hydraulic Pressure Sensor Circuit
P0933 Hydraulic Pressure Sensor Circuit Range/Performance
P0934 Hydraulic Pressure Sensor Circuit Low
P0935 Hydraulic Pressure Sensor Circuit High
P0936 Hydraulic Pressure Sensor Circuit Intermittent
P0937 Hydraulic Oil Temperature Sensor Circuit
P0938 Hydraulic Oil Temperature Sensor Circuit Range/Performance
P0939 Hydraulic Oil Temperature Sensor Circuit Low
P0940 Hydraulic Oil Temperature Sensor Circuit High
P0941 Hydraulic Oil Temperature Sensor Circuit Intermittent
P0942 Hydraulic Pressure Unit
P0943 Hydraulic Pressure Unit Cycling Period Too Short
P0944 Hydraulic Pressure Unit Loss of Pressure
P0945 Hydraulic Pump Relay Circuit/Open
P0946 Hydraulic Pump Relay Circuit Range/Performance
P0947 Hydraulic Pump Relay Circuit Low
P0948 Hydraulic Pump Relay Circuit High
P0949 ASM Auto Shift Manual Adaptive Learning Not Complete
P0950 ASM Auto Shift Manual Control Circuit
P0951 ASM Auto Shift Manual Control Circuit Range/Performance
P0952 ASM Auto Shift Manual Control Circuit Low
P0953 ASM Auto Shift Manual Control Circuit High
P0954 ASM Auto Shift Manual Control Circuit Intermittent
P0955 ASM Auto Shift Manual Mode Circuit
P0956 ASM Auto Shift Manual Mode Circuit Range/Performance
P0957 ASM Auto Shift Manual Mode Circuit Low
P0958 ASM Auto Shift Manual Mode Circuit High
P0959 ASM Auto Shift Manual Mode Circuit Intermittent
P0960 Pressure Control Solenoid A Control Circuit/Open
P0961 Pressure Control Solenoid A Control Circuit Range/Performance
P0962 Pressure Control Solenoid A Control Circuit Low
P0963 Pressure Control Solenoid A Control Circuit High
P0964 Pressure Control Solenoid B Control Circuit/Open
P0965 Pressure Control Solenoid B Control Circuit Range/Performance
P0966 Pressure Control Solenoid B Control Circuit Low

P0967 Pressure Control Solenoid B Control Circuit High
P0968 Pressure Control Solenoid C Control Circuit/Open
P0969 Pressure Control Solenoid C Control Circuit Range/Performance
P0970 Pressure Control Solenoid C Control Circuit Low
P0971 Pressure Control Solenoid C Control Circuit High
P0972 Shift Solenoid A Control Circuit Range/Performance
P0973 Shift Solenoid A Control Circuit Low
P0974 Shift Solenoid A Control Circuit High
P0975 Shift Solenoid B Control Circuit Range/Performance
P0976 Shift Solenoid B Control Circuit Low
P0977 Shift Solenoid B Control Circuit High
P0978 Shift Solenoid C Control Circuit Range/Performance
P0979 Shift Solenoid C Control Circuit Low
P0980 Shift Solenoid C Control Circuit High
P0981 Shift Solenoid D Control Circuit Range/Performance
P0982 Shift Solenoid D Control Circuit Low
P0983 Shift Solenoid D Control Circuit High
P0984 Shift Solenoid E Control Circuit Range/Performance
P0985 Shift Solenoid E Control Circuit Low
P0986 Shift Solenoid E Control Circuit High
P0987 Transmission Fluid Pressure Sensor/Switch E Circuit
P0988 Transmission Fluid Pressure Sensor/Switch E Circuit Range/Performance
P0989 Transmission Fluid Pressure Sensor/Switch E Circuit Low
P0990 Transmission Fluid Pressure Sensor/Switch E Circuit High
P0991 Transmission Fluid Pressure Sensor/Switch E Circuit Intermittent
P0992 Transmission Fluid Pressure Sensor/Switch F Circuit
P0993 Transmission Fluid Pressure Sensor/Switch F Circuit Range/Performance
P0994 Transmission Fluid Pressure Sensor/Switch F Circuit Low
P0995 Transmission Fluid Pressure Sensor/Switch F Circuit High
P0996 Transmission Fluid Pressure Sensor/Switch F Circuit Intermittent
P0997 Shift Solenoid F Control Circuit Range/Performance
P0998 Shift Solenoid F Control Circuit Low
P0999 Shift Solenoid F Control Circuit High

Warranty

THIS WARRANTY IS EXPRESSLY LIMITED TO PERSONS WHO PURCHASE LAUNCH PRODUCTS FOR PURPOSES OF RESALE OR USE IN THE ORDINARY COURSE OF THE BUYER'S BUSINESS.

LAUNCH electronic product is warranted against defects in materials and workmanship for one year (12 months) from date of delivery to the user. This warranty does not cover any part that has been abused, altered, used for a purpose other than for which it was intended, or used in a manner inconsistent with instructions regarding use. The exclusive remedy for any automotive meter found to be defective is repair or replacement, and LAUNCH shall not be liable for any consequential or incidental damages. Final determination of defects shall be made by LAUNCH in accordance with procedures established by LAUNCH. No agent, employee, or representative of LAUNCH has any authority to bind LAUNCH to any affirmation, representation, or warranty concerning LAUNCH automotive meters, except as stated herein.

Disclaimer

THE ABOVE WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Order Information

Replaceable and optional parts can be ordered directly from your LAUNCH authorized tool supplier. Your order should include the following information:

1. Quantity
2. Part number
3. Item description

Customer Service

If you have any questions on the operation of the unit, please contact us:

Tel: 86-755-84528431

Fax: 86-755-84528454

E-mail: X431@cnlaunch.com

If your unit requires repair service, return it to the manufacturer with a copy of the sales receipt and a note describing the problem. If the unit is determined to be in warranty, it will be repaired or replaced at no charge. If the unit is determined to be out of warranty, it will be repaired for a nominal service charge plus return freight. Send the unit pre-paid to:

Attn: Sales Department,
LAUNCH TECH. CO., LTD.
Launch Industrial Park,
North of Wuhe Avenue,
Banxuegang, Bantian,
Longgang, Shenzhen,
Guangdong
P.R.China, 518112