

# Detroit V13.21 Function List

**Note:**

✓ Functions marked with ✓ is fully supported.

System	ECU Info	Read Fault Code	Clear Fault Code	Live Data	Active Test	Special Func
Vehicle Auto Scan	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\DD5	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\DD8	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\DD13	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\DD15	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\DD16	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\Series 60(6067HG6E)	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\Series 60(6067HV6E)	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\Series 60(6067MK60)	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\Series 60 6-Cylinder	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\Series 60	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\Series 55	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\Series 50	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\Series 30	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\V92 RH rotation	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\V92 LH rotation	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\V149 RH rotation(6)	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\V149 LH rotation(6)	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\V149 RH rotation	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\V149 LH rotation	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\I71 RH rotation	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\I71 LH rotation	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\V71 RH rotation	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\V71 LH rotation	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\V2000 RH rotation	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\V4000 RH rotation	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\V4000 LH rotation	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\Vitas Motori	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\V53 LH rotation	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\V53 RH rotation	✓	✓	✓	✓	✓	✓

Vehicle Manual Select\MBE 900(904) (Detroit Diesel MBE)	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\MBE 900(924) (Detroit Diesel MBE)	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\MBE 900(906) (Detroit Diesel MBE)	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\MBE 900(926) (Detroit Diesel MBE)	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\MBE 4000(457) (Detroit Diesel MBE)	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\MBE 4000(460) (Detroit Diesel MBE)	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\OM 501(6)	✓	✓	✓	✓	✓	✓
Vehicle Manual Select\OM 502(8)	✓	✓	✓	✓	✓	✓
Repair Help						

### Special Function Table

S0001	Service Routines
S0002	Configure Passwords
S0003	Injector Codes
S0004	Engine Serial Number
S0005	Write VIN
S0006	ALL Parameters
S0007	ALL ParametersMCM02T
S0008	ALL ParametersMCM21T
S0009	Parameters
S0010	Injector calibration
S0011	Injector response time
S0012	Cylinder Test
S0013	Password
S0014	Rating
S0015	Calibration
S0016	Password Change
S0017	Back Door Password
S0018	Injector
S0019	Perform Parked Regeneration
S0020	Purge Hydrocarbon Doser
S0021	Request Driving Regeneration
S0022	DPF Ash Accumulator
S0023	Perform Performance Check - Low Temp ATD

### Active Test Table

A0001	Accelerator Pedal Learning
A0002	Accelerator Pedal Learning; Stop
A0003	ATD Maximum Sensor Value Reset
A0004	ATD Test Pipe
A0005	Analog Output Function Under Software Control
A0006	Analog Output Pin Under Software Control
A0007	DPF Ash Mileage
A0008	DPF Ash Accumulator
A0009	DPF Regeneration
A0010	Digital Output Function Under Software Control
A0011	Digital Output Pin Under Software Control
A0012	Engine Hour Sync Difference Reset
A0013	EGR Delta Pressure Sensor Recalibration
A0014	MCM Reprogramming Mode Indicator for CPC
A0015	Password Protection Function Clear Key
A0016	Password Protection Function Set Key
A0017	Read Password Protection Function Mask
A0018	Reload Original CPC Factory Settings
A0019	Unlock Password Protection Function
A0020	Write Password Protection Function Mask
A0021	CPC2 Analog by Pin
A0022	CPC2 Analogs by Function
A0023	CPC2 Digitals by Function
A0024	CPC2 Digitals by Pin
A0025	Perform Parked Regeneration
A0026	Purge Hydrocarbon Doser
A0027	Request Driving Regeneration
A0028	Stop Engine Lamp
A0029	Check Engine Lamp
A0030	Malfunction Indicator Lamp
A0031	DPF Regeneration lamp
A0032	High Exhaust Temperature Lamp

A0033	DPF Ash Volume
A0034	MCM Reprogramming Mode Indicator for CPC:Request Results Operation
A0035	Prevent Engine Shutdown
A0036	Shutdown History
A0037	CPC2+ Analog by Pin
A0038	CPC2+ Analogs by Function
A0039	CPC2+ Digitals by Function
A0040	CPC2+ Digitals by Pin
A0041	CAN Baudrate Read
A0042	CAN Baudrate Write
A0043	DPF Ash Volume Set
A0044	ECU Temp Statistics Reset
A0045	Reload Original CPC Factory Settings
A0046	Software Variant Read
A0047	Software Variant Write
A0048	All Services
A0049	Activate Outputs
A0050	Idle Speed Balance
A0051	Intake Throttle Valve
A0052	Voltages
A0053	Cylinder Cutout (Automatic)
A0054	Cylinder Cutout (Manual)
A0055	Fan Diagnostic
A0056	FIS Low Pressure Leak Test
A0057	Calculate Configuration CRC
A0058	Clear Mirror Memory
A0059	Compatibility List
A0060	SR001 Sensor Voltage
A0061	SR002 Engine Torque Demand Substitution
A0062	SR003 PWM Routine by Function
A0063	SR003 PWM Routine by Function for Production
A0064	SR004 Engine Cylinder Cut Off
A0065	SR006 Automatic Compression Test
A0066	SR008 MCM Fault Code Table Version
A0067	SR010 Disable Output Diagnostics
A0068	SR011 Disable MCM Motor CAN
A0069	SR012 Save EOL Data Request
A0070	SR013 HC Doser Filling Line to purge Air
A0071	SR014 Reload Original Suppliers Configuration
A0072	SR014 Reset MCM2 FMM
A0073	SR014 SET EOL Default Values
A0074	SR015 Idle Speed Modification
A0075	SR018 Disable HC Doser
A0076	SR019 Rating Switch
A0077	SR02B Disable Limp Home Functionality
A0078	SR061 Pre-install Routine
A0079	SR062 Self-Calibration Routine
A0080	SR063 Hysteresis Test Routine
A0081	SR065 Forced Auto Cal EGR Delta P-Sensor
A0082	SR066 Idle Speed Balance Test
A0083	SR067 Erase Historical FMM Memory Area
A0084	SR068 Control IAT
A0085	SR069 Control OT Signal
A0086	SR070 Injector Change
A0087	SR071 FMU Stick Diagnosis Function
A0088	SR073 ESA Deactivate
A0089	SR074 EcuInitIR
A0090	SR075 Disable Idle Smoothness Control
A0091	SR076 P RAIL DESIRED Direct Input
A0092	SR07B Enable Calibration Override for Leak Detection Test
A0093	SR07C Calibration Verification Number
A0094	SR07D Calibration Override for Leak Detection Test
A0095	SR080 Control EGR valve position
A0096	SR081 Reset Lambda sensor
A0097	SR082 Fuel Filter Reset
A0098	SR083 HC Production Test Dosing
A0099	SR087 Delete Non Erasable FC
A0100	SR088 Check Open/Short On Output Circuits
A0101	SR089 Dyno Derate
A0102	SR091 Force TMC to TMx Mode
A0103	SR092 Set weight factor SCR ETA Value
A0104	SR093 Disable ACM NO COM Diagnostic
A0105	SR094 Disable MU VSS DATA Erratic
A0106	SR097 Reset cumulative continuous MI counter
A0107	SROA3 Reset TMC Time Counter
A0108	SROAB Reset Water in Fuel Values
A0109	Identification and Totals
A0110	Monitor Performance
A0111	Readiness
A0112	Data Stream
A0113	Fault Codes
A0114	Freeze Frame
A0115	EGR

A0116	Pressure Limiting Valve (PLV) Change
A0117	FIS Fuel Filter
A0118	FIS Fuel Quantity Control Valve
A0119	FIS Leak Detection
A0120	FIS Water in Fuel
A0121	Fuel System Integrity Check
A0122	Clear Mrror Memory
A0123	FBS 20 Diagnose Message Part1
A0124	FBS3 21 Diagnose Message Part2
A0125	SR003 PWM Routine by Function for production
A0126	SR00503 AUT64 Authenfication Routine
A0127	SR010 Disable Output Diagnostics by Function
A0128	SR014 Reload original suppliers Configuration
A0129	SR024 Reload Supplier Delivery State
A0130	SR0402 Classic Immobilizer Key temp training
A0131	SR0403 Classic Immobilizer erase temp trained keys
A0132	SR404 Classic Immobilizer erase temp trained key
A0133	SR0405 Classic Immobilizer Switch to Self Activation
A0134	SR0501 Set Fuelmap Protection to Euro Mode Routine
A0135	SR0502 Set Fuelmap Protection to NAFTA Mode Routine
A0136	SR074 EcuInitPIR
A0137	SR075 DISABLE Idle Smoothness Control
A0138	SR077 Desired FMU Current
A0139	SR07B Enable Calibration Override for Leak Detection Test
A0140	SR085 Erase MI GCODES
A0141	SR086 Suppress Torque limiter
A0142	SR096 Start Marriage Procedure
A0143	SR097 Reset cumulativ continuous MI counter
A0144	SR098 Reset BI counter structure
A0145	SR09A Force TMC to TMx Mode
A0146	SR09D Automated Forced lambda Sensor Gain Adaptation
A0147	SR09E UDS Message to run production Test without ACM
A0148	SR09F Set NOX engine start restriction
A0149	SROA0 Shutdown NOX Engine Restart Restriction
A0150	SROA2 Disable MU VSS DATA Erratic
A0151	SROA6 Reset the driver inducement array of counters
A0152	SROA7 Read air supply pressure
A0153	SROA8 Start air injection
A0154	SROA9 Clear PBS FMM
A0155	SROAC IAT Diagnosis
A0156	SROAD Reset VIN Odometer and VIN Odometer Limit
A0157	SROAE Set PRG Stopbutton
A0158	SROAF Set ISC Start Request
A0159	SROB0 Set AM VCP PWM
A0160	SROBA Disable the EGR Mass Compensation Logic for Application Specific Intercooler Volumes
A0161	SROBE Select ZeroDeg EnginePos Map
A0162	SROBF Engine Brake Cylinder-specific Diagnostic Routine
A0163	SROCO Read PBS Software Version
A0164	SROCI Read PBS Status
A0165	SROCC Read PBS Activity Status
A0166	SROC3 Read PBS Turbocharger Surging Detection Signal
A0167	SROC4 PRG modul for FIS
A0168	SROC5 Reset ISC Counter in ISC Modul
A0169	SROC6 Reset EGR values
A0170	SROC7 Start EGR vibration
A0171	SROC8 Erase bank current
A0172	SROF0 Knorr PBS functions f0
A0173	SROF1 Knorr PBS functions f1
A0174	SROF2 Knorr PBS functions f2
A0175	SROF3 Knorr PBS functions f3
A0176	Air Ash Cleaning
A0177	ATD Test Sensor Package
A0178	Ash Volume Ratio Update
A0179	Calibration Verification Number
A0180	DPF Chassis Dyno Test
A0181	DPF Over the Road Regen
A0182	Coolant Valve Open
A0183	De-activate limp home functionality
A0184	OEM SCR Check
A0185	Output Circuit Check
A0186	DPF Tank Level Override
A0187	Reset FMM
A0188	Reset Purge Counters
A0189	SCR ADS Service Routine
A0190	SCR Assembly Line check
A0191	SCR Dosing Quantity Check
A0192	SCR LO Filter Reset
A0193	SCR Pressure System Check
A0194	SCR Set Long Post Run
A0195	SCR System Check-NOx Conversion
A0196	SET EOL to Default Values
A0197	Save EOL Data
A0198	Sensor Voltage (3v)

A0199	Sensor Voltage(5v)
A0200	Perform chassis Dyno Basic SCR Conversion Check
A0201	Perform Parked SCR Efficiency Test
A0202	AHM History Maps data
A0203	AHM History Maps
A0204	ATD Test Sensor
A0205	Ash Volume Ratio Update
A0206	DEF Tank Level Override
A0207	DPF Freightliner Production Test
A0208	DPF replace cond
A0209	NOx Sensor Inspection Routine
A0210	Reset VIN Odometer and VTN Odometer Limt
A0211	SCR ADS SelfCheck Routine
A0212	SCR Assembly Line Check
A0213	SR003 PWM Routine for Production
A0214	SR089 X-Routlne
A0215	SR097 Reset cumulativ MI counter<
A0216	SR098 Reset BI counter structure
A0217	SROA6 Reset the driver Inducement array of counters
A0218	SROB2 MLIT Engine Restart Restriction Release
A0219	SROB3 MLIT Quaky Error Recovery Condition activation
A0220	SROB4 MLIT Urea Quaky Inspection
A0221	SROB5 Manual Regeneration EURO CoP
A0222	SROB7 Euro VI SCR Check Routine
A0223	Sensor Voltage (3V)
A0224	Sensor Voltage (5V)
A0225	Set Fuelmap Protection to Euro Mode
A0226	Set Fuelmap Protection to NAFTA Mode
A0227	Urea Dilution Detection
A0228	SCR and DPF Voltages
A0229	0304 EIS personalization
A0230	0308 EIS key track(s) blocked offline
A0231	0310 EIS activation
A0232	0320 EIS diagnosis ?part 1-
A0233	0321 EIS diagnosis ?part 2-
A0234	0400 Learning procedure(Service)
A0235	0410 set the transmission's type and clear the actual position(Service)
A0236	0420 Test transmission's brake(Service)
A0237	0430 zero point blancing tilt sensor
A0238	0400 secure shift abort counter
A0239	0441 set back shift abort counter
A0240	0450 secure the drift sensor counter
A0241	0451 set back the shift sensor counter
A0242	0461 set back the check sum fault counter
A0243	0471 clutch overpressure event counter reset
A0244	0500 release the shift(Service)
A0245	0521 desired value requirement clutch in percent
A0246	0525 clutch temperature overload warning status setting
A0247	0528 set back learn value clutc
A0248	052A set status creep function
A0249	052B jump function clutch
A0250	052C shut off clutch valve
A0251	0530 set clutch actuator type(Service)
A0252	Check engine light
A0253	Cool low lt
A0254	ENG brk act
A0255	ENG brk low
A0256	ENG brk med
A0257	Fan cntrl#1
A0258	Fan control 1#
A0259	ld ddec volt
A0260	Stop engine light
A0261	Trans ret
A0262	VEH pwr down
A0263	Injector calibration
A0264	Injector response time
A0265	Cylinder Cutout
A0266	Injector Response Times
A0267	Maintenance Alert
A0268	Exhaust Backpressure Fault Times
A0269	Particulate Filter De-green Reset
A0270	Activate Output(VCU)
A0271	Service Routines