



# Shenzhen Xtooltech Co., Ltd

## SANY Function List V20.11

**Tips and Instructions:**

The programming function only supports H6PRO, H6PRO Master Edition products.

✓ This feature is supported.

This feature is not supported.

※ This feature is partially supported.

System Name	System Name	System Name	System Name	System Name	System Name	Read ECU Information	Read Trouble Code	Clear Trouble Code	Live Data	Actuation Test	Notes
Isuzu engine	6WF1-TC(Common rail)engine (National III)	6WF1-TC(Common rail 3Pin)				✓	✓	✓			
Isuzu engine	6WF1-TC(Common rail)engine (National III)	6WF1-TC Engine system				✓	✓	✓			
Isuzu engine	6WF1-TC(Common rail)engine (National III)	6WF1-TCC type				✓	✓	✓	✓	✓	Actuation Test 1.Engine test 2.Device inspection Fuel injector programming 1.Read the nozzle data Reset fuel pump calibration
Isuzu engine	6WG1-TC(Common rail)engine (National III)					✓	✓	✓	✓	✓	Actuation Test 1.Fuel track pressure 2.Fuel injection timing 3.Nozzle stop 4.Pre-injection stop 5.Forced start of injector 6.Preheating plug relay 7.Exhaust brake 8.Deceleration brake 9.Intake throttle valve 10.exhaust throttle valve 11.EGR 12.Turbocharger Special Functions 1.Read nozzle data 2.Write fuel injection nozzle data
Isuzu engine	6WG1-TC(Denso)engine (National IV)					✓	✓	✓	✓	✓	Actuation Test 1.Fuel pressure control 2.Pre injection control 3.Injection timing control 4.Injector 1 Forced Drive 5.Injector 2 Forced Drive 6.Injector 3 Forced Drive 7.Injector 4 Forced Drive 8.Injector 5 Forced Drive 9.Injector 6 Forced Drive 10.Cylinder 1 Balance Rate Test 11.Cylinder 2 Balance Rate Test 12.Cylinder 3 Balance Rate Test 13.Cylinder 4 Balance Rate Test 14.Cylinder 5 Balance Rate Test 15.Cylinder 6 Balance Rate Test 16.Solenoid Valve Control of Intake Throttle 17.Exhaust gas recirculation solenoid valve control 18.Turbocharger solenoid valve control 19.Preheating relay control 20.Exhaust Brake Control
Isuzu engine	6WG1X Engine	Isuzu Electric Engine (KWP)				✓	✓	✓			
Isuzu engine	6WG1X Engine	Isuzu Electric Engine(4 Cylinder UDS)				✓	✓	✓			
Isuzu engine	6WG1X Engine	Isuzu Electric Engine(6 Cylinder UDS)				✓	✓	✓			

Sinotruk engine	Denso common rail system	WD615/D10/D12 Type (National III)				✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Break cylinder test</li> <li>2. Fuel leak check</li> <li>3. Exhaust brake on / turn off</li> <li>4. Oil pump learning</li> <li>5. Odometer and total fuel usage are cleared</li> </ol> <p>Special Functions</p> <ol style="list-style-type: none"> <li>1. Read all QR Code</li> <li>2. Write QR Code</li> </ol>
Sinotruk engine	Denso common rail system	WD615/D10/D12 Type (National IV)				✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Fuel leak check function</li> <li>2. Exhaust brake check</li> <li>3. Break cylinder test</li> <li>4. Odometer and total fuel usage are cleared</li> <li>5. Oil pump learning</li> </ol> <p>Special Functions</p> <ol style="list-style-type: none"> <li>1. Read all QR Code</li> <li>2. write QR Code</li> <li>3. Read and write VIN code</li> </ol>
Sinotruk engine	Denso common rail system	Hino P11C Engine	P11C Hino engine system			✓	✓	✓			
Sinotruk engine	BOSCH Common Rail System	BOSCH EDC7 (Man engine)				✓	✓	✓			
Sinotruk engine	BOSCH Common Rail System	BOSCH EDC17 Common rail system (National IV)	Sinotruk EDC17CV44+SCR (UDS)			✓	✓	✓	✓		<p>Special Functions</p> <ol style="list-style-type: none"> <li>1. Break cylinder (spray off) test</li> <li>2. Engine speed comparison</li> <li>3. Start fault information test</li> <li>4. Clear PRV valve times</li> <li>5. Clear PRV valve timeout</li> <li>6. Read and write VIN code</li> <li>7. Urea injection test</li> </ol>
Sinotruk engine	BOSCH Common Rail System	BOSCH EDC17 Common rail system (National IV)	Sinotruk P1158 EDC17CV44+SCR (KWP)			✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Air-conditioning compressor</li> <li>2. Supercharger actuator</li> <li>3. Exhaust gas recirculation actuator</li> <li>4. Engine speed test</li> <li>5. Preheat indicator test</li> <li>6. Fault light test</li> <li>7. Fuel metering actuator test</li> <li>8. System light test</li> <li>9. Throttle valve actuator test</li> <li>10. Variable eddy current actuator test</li> <li>11. Alternative rail pressure setpoint signal test</li> <li>12. External test value</li> <li>13. Selected cylinder injection characteristics test</li> <li>14. SCR- Injection valve</li> <li>15. SCR- Heating pressure curve</li> <li>16. SCR- Urea tank heating</li> <li>17. AdBlue Supply pump</li> <li>18. AdBlue4/2 Access valve</li> <li>19. SCR Heating reflow curve</li> <li>20. AdBlue Heating supply module</li> <li>21. AdBlue Heating pumping curve</li> </ol>
Sinotruk engine	BOSCH Common Rail System	BOSCH EDC17 Common rail system (National IV)	Sinotruk P1158 EDC17CV44+SCR (CAN)			✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Air-conditioning compressor</li> <li>2. Supercharger actuator</li> <li>3. Exhaust gas recirculation actuator</li> <li>4. Engine speed test</li> <li>5. Preheat indicator test</li> <li>6. Fault light test</li> <li>7. Fuel metering actuator test</li> <li>8. System light test</li> <li>9. Throttle valve actuator test</li> <li>10. Variable eddy current actuator test</li> <li>11. Alternative rail pressure setpoint signal test</li> <li>12. External test value</li> <li>13. Selected cylinder injection characteristics test</li> <li>14. SCR- Injection valve</li> <li>15. SCR- Heating pressure curve</li> <li>16. SCR- Urea tank heating</li> <li>17. AdBlue Supply pump</li> <li>18. AdBlue4/2 Access valve</li> <li>19. SCR Heating reflow curve</li> <li>20. AdBlue Heating supply module</li> <li>21. AdBlue Heating pumping curve</li> </ol>

Sinotruk engine	BOSCH Common Rail System	Sinotruk BOSCH(Euro VI)				✓	✓	✓	✓	✓	Actuation Test 1.Start fault information 2.Post-processing jet test Parameter calibration 1.K Value reading and writing 2.Frame number read and write 3.Maximum speed reading and writing 4.Parking operation, idle reading and writing 5.Driving operation
Sinotruk engine	HCR Common rail engine system					✓	✓	✓	✓		
Sinotruk engine	Sinotruk EGR system					✓	✓	✓	✓		Troubleshooting 1.Save the current fault Motor test EGR test
Sinotruk engine	Natural gas system	Sinotruk natural gas system				✓	✓	✓	✓		Special Functions 1.Nozzle test 2.Ignition / spark plug test 3.Ignition loop closed loop test 4.Closed Loop / Adaptive Data 5.Throttle diagnostic mode
Sinotruk engine	Natural gas system	Sinotruk natural gas 12L system				✓	✓	✓			
Sinotruk engine	Natural gas system	BOSCH Natural gas system				✓	✓	✓	✓		Special Functions 1.Read and write frame number VIN code
Cummins engine	Cummins engine automatic scanning					✓	✓	✓			
Diesel OBD	J1939 protocol					✓	✓	✓			
Diesel OBD	J1708 protocol					✓	✓	✓			
MAN power	MAN power BOSCH System	BOSCH diesel injection EDC MS5/M(S)5 system				✓	✓	✓	✓		
MAN power	MAN power BOSCH System	BOSCH diesel injection EDC MS6.1 system	BOSCH diesel injection EDC MS6.1 system(1)			✓	✓	✓	✓		
MAN power	MAN power BOSCH System	BOSCH diesel injection EDC MS6.1 system	BOSCH diesel injection EDC MS6.1 system(2)			✓	✓	✓	✓		
MAN power	MAN power BOSCH System	BOSCH diesel injection EDC MS6.4 system				✓	✓	✓	✓		Active Function 1.Preheating tube resistance 2.Preheating warning light 3.Diagnostic warning light
MAN power	MAN power BOSCH System	BOSCH diesel injection EDC 7 system	BOSCH diesel injection EDC 7 system(1)			✓	✓	✓	✓		Active Function 1.Coolant indicator 2.Coolant temperature indicator 3.Cylinder cut-off 4.Delete errors 5.Diesel filter heating relay 6.EDC lamp 7.Engine brake lamp 8.Engine brake solenoid valve 9.Glow plug pre-heat indicator 10.Glow plug relay 11.Oil pressure indicator 12.Oil pressure indicator 13.Speed limit lamp
MAN power	MAN power BOSCH System	BOSCH diesel injection EDC 7 system	BOSCH diesel injection EDC 7 system(2)	BOSCH diesel injection EDC 7 system		✓	✓	✓	✓		
MAN power	MAN power BOSCH System	BOSCH diesel injection EDC 7 system	BOSCH diesel injection EDC 7 system(2)	BOSCH diesel injection EDC 7 Main system		✓	✓	✓			
MAN power	MAN power BOSCH System	BOSCH diesel injection EDC 7 system	BOSCH diesel injection EDC 7 system(2)	BOSCH diesel injection EDC 7 Secondary system		✓	✓	✓	✓		

MAN power	MAN power BOSCH System	BOSCH diesel injection EDC 7C32 system	BOSCH diesel injection EDC 7C32 system			√	√	√	√	Active Function 1. PTO(power take off) 2. Left turn indicator 3. Right turn signal 4. Warning lights 5. PTO(power take off) 6. Front transverse differential lock warning light 7. Longitudinal differential lock(semi-file group)warning lights 8. After transverse differential lock warning light 9. Odometer test 10. All indicator lights have been activated 11. Downshift indicator 12. Preheating warning light 13. Over-speed governor warning lights 14. Heated mirror warning lights 15. Tachometer fault light 16. Main beam headlights 17. Warning light and minor fault 18. Fuel storage warning lights 19. Fuel level test 20. Hazard warning lights 21. Instrument failure
MAN power	MAN power BOSCH System	BOSCH diesel injection EDC 7C32 system	BOSCH diesel injection EDC 7C32 Main system			√	√	√	√	
MAN power	MAN power BOSCH System	BOSCH diesel injection EDC 7C32 system	BOSCH diesel injection EDC 7C32 system(2)			√	√	√		
MAN power	Engine Model	D2866LOH23/01	BOSCH EDC MS5 Euro II Engine system			√	√	√	√	
MAN power	Engine Model	D2866LOH25	BOSCH EDC MS5 Euro II Engine system			√	√	√	√	
MAN power	Engine Model	D2866LOH27/28/29	BOSCH EDC MS5 Euro III Engine system			√	√	√	√	
Yuchai engine	Diesel engines	Yuchai BOSCH National III Series	Yuchai BOSCH EDC7UC31 system	Yuchai BOSCH EDC7UC31(K)		√	√	√		
Yuchai engine	Diesel engines	Yuchai BOSCH National III Series	Yuchai BOSCH EDC7UC31 system	Yuchai BOSCH EDC7UC31(CAN)		√	√	√	√	Special Functions 1. Break cylinder test
Yuchai engine	Diesel engines	Yuchai BOSCH National III Series	Yuchai BOSCH EDC7UC31 system	Yuchai BOSCH EDC7UC31_V70 (CPV) (CAN)	Yuchai BOSCH EDC7UC31_V70 (CPV) (CAN)	√	√	√		
Yuchai engine	Diesel engines	Yuchai BOSCH National III Series	Yuchai BOSCH EDC7UC31 system	Yuchai BOSCH EDC7UC31_V70 (CPV)	Yuchai BOSCH EDC7UC31_V70 (CPV) (K)	√	√	√	√	Special Functions 1. Break cylinder test
Yuchai engine	Diesel engines	Yuchai BOSCH National III Series	Yuchai BOSCH EDC7UC31 system	BOSCH EDC7UC31 system(Universal)	Static data diagnosis	√	√	√	√	Special Functions 1. Break cylinder test / compression test 1 2. Compression test 2 3. High voltage test 4. RUN UP test / high speed test 5. Start fault information
Yuchai engine	Diesel engines	Yuchai BOSCH National III Series	Yuchai BOSCH EDC7UC31 system	BOSCH EDC7UC31 system(Universal)	Dynamic data diagnosis	√	√	√	√	Actuation Test 1. Exhaust throttle valve for engine brake 2. Fault light 3. Cold start light 4. Break cylinder test 5. Intake manifold preheat relay 6. Air conditioning compressor Special Functions 1. Start fault information 2. Compression test 3. High voltage test 4. Accelerated test 5. Idle speed comparison test
Yuchai engine	Diesel engines	Yuchai BOSCH National III Series	Yuchai BOSCH EDC16UC40 system	Yuchai BOSCH EDC16UC40 (Universal 1)	Static data diagnosis	√	√	√	√	Actuation Test 1. High voltage test 2. Accelerated test 3. Break cylinder test 4. Compression test 5. Start fault information

Yuchai engine	Diesel engines	Yuchai BOSCH National III Series	Yuchai BOSCH EDC16UC40 system	Yuchai BOSCH EDC16UC40 (Universal 1)	Dynamic data diagnosis	✓				✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Fault light</li> <li>2. Cold start light</li> </ol> <p>Special Functions</p> <ol style="list-style-type: none"> <li>1. Start fault information</li> <li>2. Compression test</li> <li>3. Idle speed comparison</li> <li>4. High voltage test</li> <li>5. High speed test</li> </ol>
Yuchai engine	Diesel engines	Yuchai BOSCH National III Series	Yuchai BOSCH EDC16UC40 system	Yuchai BOSCH EDC16UC40 (Universal 2)		✓	✓	✓	✓			
Yuchai engine	Diesel engines	Yuchai BOSCH EDC17CV44/CV54 National IV Series	Yuchai BOSCH EDC17CV44/CV54(K)			✓	✓	✓				
Yuchai engine	Diesel engines	Yuchai BOSCH EDC17CV44/CV54 National IV Series	Yuchai BOSCH EDC17CV44/CV54(CAN)			✓	✓	✓				
Yuchai engine	Diesel engines	Yuchai BOSCH EDC17CV44/CV54 National IV Series	Yuchai BOSCH EDC17CV54+EGR(CAN)			✓	✓	✓	✓	✓		<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Air conditioning compressor</li> <li>2. Turbocharger actuator</li> <li>3. Exhaust gas recirculation actuator</li> <li>4. Engine speed test</li> <li>5. Warm-up indicator test</li> <li>6. Fault light test</li> <li>7. Fuel Metering Actuator Test</li> <li>8. System light test</li> <li>9. Throttle Actuator Test</li> <li>10. Variable Eddy Current Actuator Test</li> </ol> <p>Special Functions</p> <ol style="list-style-type: none"> <li>1. Alternative rail pressure fixed point signal test</li> <li>2. External test value</li> <li>3. Selected cylinder injection characteristic status test</li> </ol> <p>Special Functions</p> <ol style="list-style-type: none"> <li>1. Clear PRV valve times</li> <li>2. Clear PRV valve time</li> <li>3. Break cylinder (spray off) test</li> <li>4. Engine speed comparison</li> <li>5. Start fault information test</li> <li>6. Read and write injector data</li> <li>7. Write VIN code</li> </ol>
Yuchai engine	Diesel engines	Yuchai BOSCH EDC17CV44/CV54 National IV Series	Yuchai EDC17 Clear unclearable trouble code (Post processing)			✓	✓	✓				
Yuchai engine	Diesel engines	Yuchai BOSCH EDC17CV44 National V Series	Yuchai BOSCH EDC17CV44(K)			✓	✓	✓				
Yuchai engine	Diesel engines	Yuchai BOSCH EDC17CV44 National V Series				✓		✓	✓	✓		
Yuchai engine	Diesel engines	Yuchai BOSCH EDC17CV44 National V Series	Yuchai EDC17 Clear unclearable trouble code (Post processing)			✓	✓	✓				
Yuchai engine	Diesel engines	Yuchai Autonomous System	Yuchai independent unit pump YCECU Automatic identification			✓	✓	✓				
Yuchai engine	Diesel engines	Yuchai Autonomous System	Yuchai independent unit pump YCECU System manual selection	Yuchai independent unit pump YCECU model 1			✓	✓	✓			Break cylinder test
Yuchai engine	Diesel engines	Yuchai Autonomous System	Yuchai independent unit pump YCECU System manual selection	Yuchai independent unit pump YCECU model 2		✓	✓	✓				
Yuchai engine	Diesel engines	Yuchai Autonomous System	Yuchai independent unit pump YCECU System manual selection	Yuchai independent unit pump YCECU model 3		✓	✓	✓				

Yuchai engine	Diesel engines	Yuchai Autonomous System	Yuchai independent unit pump YCECU System manual selection	Yuchai independent unit pump YCECU model 4		✓	✓	✓			
Yuchai engine	Diesel engines	Yuchai Autonomous System	Yuchai independent unit pump YCECU System manual selection	Yuchai independent unit pump YCECU model 5		✓	✓	✓			
Yuchai engine	Diesel engines	Yuchai Autonomous System	Yuchai independent unit pump YCECU System manual selection	Yuchai independent unit pump YCECU model 6		✓	✓	✓			
Yuchai engine	Diesel engines	ECTEK system	Jade Dynamics (YCD4N1L)			✓	✓	✓	✓		
Yuchai engine	Diesel engines	ECTEK system	Yuchai Power F02 (YC4E)			✓	✓	✓	✓		
Yuchai engine	Diesel engines	ECTEK system	Easy to control DCU Post processing			✓	✓	✓	✓	✓	Actuation Test 1. Pump function test
Yuchai engine	Diesel engines	Nanyue unit pump system	Nanyue unit pump R01 (Four cylinder)				✓	✓	✓		Special Functions 1. Break cylinder test 2. Idle speed adjustment
Yuchai engine	Diesel engines	Nanyue unit pump system	Nanyue unit pump R01 (Six cylinder)				✓	✓	✓		Special Functions 1. Break cylinder test 2. Idle speed adjustment
Yuchai engine	Diesel engines	Nanyue unit pump system	Nanyue unit pump R02 (Four cylinder)				✓	✓	✓		Special Functions 1. Break cylinder test 2. Idle speed adjustment
Yuchai engine	Diesel engines	Nanyue unit pump system	Nanyue unit pump R02 (Six cylinder)			✓	✓	✓			
Yuchai engine	Diesel engines	Nanyue unit pump system	Nanyue unit pump R03				✓	✓	✓		
Yuchai engine	Diesel engines	Nanyue unit pump system	Nanyue engine R04 (ECU4PH)	Nanyue unit pump R04 (OBD)			✓	✓	✓		
Yuchai engine	Diesel engines	Nanyue unit pump system	Nanyue engine R04 (ECU4PH)	Nanyue unit pump R04 (J1939)			✓	✓	✓		
Yuchai engine	Diesel engines	Nanyue unit pump system	Nanyue engine non-road ECU022			✓	✓	✓			
Yuchai engine	Diesel engines	Delphi system	Delphi Common Rail System	Delphi Euro III diesel 3.2 Version (Upgraded version)		✓	✓	✓	✓	✓	Actuation Test 1. EGR throttle actuator (5 cylinders only) 2. EGR valve 3. Glow plug 4. IMV 5. VGT actuator 6. Fan 2 7. Fan 1 8. Power Relay 9. Engine detection light 10. Glow plug light 11. Anti-theft device indicates output 12. Air conditioning relay 13. Auxiliary heater #2 14. Auxiliary heater #1 15. Oil filter indicator 16. Fault light 17. Engine equipment level control 18. Remote start enable output 19. Eddy current actuator Special Functions 1. Break cylinder test

Yuchai engine	Diesel engines	Delphi system	Delphi Common Rail System	Delphi Euro III diesel 3.2 Version		✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. EGR throttle actuator (5 cylinders only)</li> <li>2. EGR valve</li> <li>3. Glow plug</li> <li>4. IMV</li> <li>5. VGT actuator</li> <li>6. Fan 2</li> <li>7. Fan 1</li> <li>8. Power Relay</li> <li>9. Engine detection light</li> <li>10. Glow plug light</li> <li>11. Anti-theft device indicates output</li> <li>12. Air conditioning relay</li> <li>13. Auxiliary heater #2</li> <li>14. Auxiliary heater #1</li> <li>15. Oil filter indicator</li> <li>16. Fault light</li> <li>17. Engine equipment level control</li> <li>18. Remote start enable output</li> <li>19. Eddy current actuator</li> </ol> <p>Special Functions</p> <ol style="list-style-type: none"> <li>1. Break cylinder test</li> </ol>
Yuchai engine	Diesel engines	Delphi system	Delphi Common Rail System	Delphi Euro III diesel 3.1 Version		✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Glow plug</li> <li>2. IMV</li> <li>3. VGT valve actuator</li> <li>4. Fan 2</li> <li>5. Fan 1</li> <li>6. Power Relay</li> <li>7. Engine detection light</li> <li>8. Glow plug light</li> <li>9. Anti-theft device indicates output</li> <li>10. Air conditioning relay</li> <li>11. Auxiliary heater #2</li> <li>12. Auxiliary heater #1</li> <li>13. Oil filter indicator</li> </ol> <p>Special Functions</p> <ol style="list-style-type: none"> <li>1. Break cylinder test</li> </ol>
Yuchai engine	Diesel engines	Delphi system	Delphi Common Rail System	Delphi Euro IV		✓	✓	✓	✓		
Yuchai engine	Diesel engines	Delphi system	Delphi unit pump system	Delphi unit pump		✓	✓	✓			
Yuchai engine	Diesel engines	Delphi system	Delphi unit pump system	Delphi unit pump II		✓	✓	✓	✓		
Yuchai engine	Natural gas engine	Yuchai EControls natural gas	Yuchai Natural Gas EControls 3G system(RS232)			✓	✓	✓	✓		<p>Ignition system / Break cylinder test</p> <ol style="list-style-type: none"> <li>1. Ignition coil 1 / cylinder 1 test</li> <li>2. Ignition coil 2 / cylinder 5 test</li> <li>3. Ignition Coil 3 / Cylinder 3 Test</li> <li>4. Ignition Coil 4 / Cylinder 6 Test</li> <li>5. Ignition Coil 5 / Cylinder 2 Test</li> <li>6. Ignition Coil 6 / Cylinder 4 Test</li> </ol> <p>Nozzle system test</p> <ol style="list-style-type: none"> <li>1. Injection valve 1 test</li> <li>2. Injection valve 2 test</li> <li>3. Injection valve 3 test</li> <li>4. Injection valve 4 test</li> </ol> <p>Throttle/foot pedal test</p> <p>Wastegate test</p> <p>Oxygen sensor test</p> <p>Nozzle cleaning test</p> <p>Speed control test</p> <p>LPG Control System</p> <p>LPG transient monitoring</p> <p>FTV diagnosis</p>
Yuchai engine	Natural gas engine	Yuchai EControls natural gas	Yuchai Natural Gas EControls 3G system(CAN)			✓	✓	✓	✓		<p>Special Functions</p> <ol style="list-style-type: none"> <li>1. Break cylinder test</li> <li>2. Nozzle test</li> <li>3. External power diagnostic test</li> </ol>
Yuchai engine	Natural gas engine	Yuchai EControls natural gas	Yuchai Natural Gas EControls 4G system(CAN)			✓	✓	✓	✓		
Yuchai engine	Natural gas engine	Yuchai independent natural gas	Yuchai independent natural gas HCGCU system(1)			✓	✓	✓			
Yuchai engine	Natural gas engine	Yuchai independent natural gas	Yuchai independent natural gas YCGCU system(2)			✓	✓	✓			

Yuchai engine	Post processing system	BOSCH post processing system	BOSCH DNOX1.0 Post processing system			✓	✓	✓	✓	✓	Actuation Test 1. Fault indicator 2. AdBlue Pump 3. Vent 4. Air control valve 5. Dosing valve 6. AdBlue Tank heating device 7. Pump / Filter heating element 8. Pressure tube / Dosing module heating element 9. Return tube heating element 10. Input tube heating element 11. Internal hose heater
Yuchai engine	Post processing system	BOSCH post processing system	BOSCH DNOX2.0 Post processing system SCR (EDC7UC31)			✓	✓	✓	✓	✓	Actuation Test 1. Cooling circuit control valve 2. Dosing valve 3. AdBlue Two-position four-way valve 4. AdBlue Tank heating device 5. Filter housing heating element 6. Filter output interface heating element
Yuchai engine	Post processing system	BOSCH post processing system	BOSCH DNOX2.2 Post processing system SCR (EDC17CV44)			✓	✓	✓	✓		Special Functions 1. Post processing test
Yuchai engine	Post processing system	BOSCH post processing system	BOSCH DNOX2.2/6.5 Post processing system SCR (EDC17CV44)			✓	✓	✓			
Yuchai engine	Post processing system	BOSCH post processing system	BOSCH post processing DCU			✓	✓	✓	✓		
Yuchai engine	Post processing system	BOSCH post processing system	Yuchai EDC17 Clear unclearable trouble code (Post processing)			✓	✓	✓			
Yuchai engine	Post processing system	Yuchai independent post-processing system	Sanli Post Processing System				✓	✓	✓		Special Functions 1. Urea pump drive test
Hino engine	Hino J08E Engine					✓	✓	✓			
Hino engine	P11C type DENSO system					✓	✓	✓			
Weichai engine	Weichai BOSCH	Weichai BOSCH EDC7UC31 series (National III)	Weichai EDC7UC31 (K)			✓	✓	✓			
Weichai engine	Weichai BOSCH	Weichai BOSCH EDC7UC31 series (National III)	Weichai EDC7UC31 (CAN)			✓	✓	✓			
Weichai engine	Weichai BOSCH	Weichai BOSCH EDC17 (National IV/National V)	Weichai BOSCH National IV EDC17_K scan			✓	✓	✓	✓	✓	Actuation Test 1. OBD lamp test 2. Flash code test 3. Cold start light control 4. Urea tank heating test 5. Inlet line heating test 6. Urea line heating total relay test 7. Return line heating test 8. Pressure line heating test 9. Urea pump heating test 10. Urea nozzle test 11. Urea pump duty cycle test



Weichai engine	Weichai BOSCH	Weichai BOSCH EDC17 (National IV/National V)	Weichai BOSCH National IV EDC17. CAN scan(6/14 Pin)			✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Air conditioning compressor</li> <li>2. Turbocharger actuator</li> <li>3. Exhaust gas recirculation actuator</li> <li>4. Engine speed test</li> <li>5. Warm-up indicator test</li> <li>6. Fault code test</li> <li>7. Fuel Metering Actuator Test</li> <li>8. System light test</li> <li>9. Throttle Actuator Test</li> <li>10. Variable Eddy Current Actuator Test</li> <li>11. Alternative rail pressure setpoint signal test</li> <li>12. External test value</li> <li>13. Selected cylinder injection characteristic status test</li> <li>14. SCR-injection valve</li> <li>15. SCR-heating pressure curve</li> <li>16. SCR-urea tank heating</li> <li>17. AdBlue Supply Pump</li> <li>18. AdBlue 4/2 access valve</li> <li>19. SCR heating reflow curve</li> <li>20. AdBlue heating supply module</li> <li>21. AdBlue heating pumping curve</li> </ol>
Weichai engine	Weichai BOSCH	Weichai BOSCH EDC17 (National IV/National V)	Weichai BOSCH National IV EDC17. CAN scan(1/9 Pin)			✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. OBD light</li> <li>2. Flash code</li> <li>3. Inlet line heating</li> <li>4. Cold start light</li> <li>5. Intake heating relay</li> <li>6. Return line heating</li> <li>7. Pressure line heating</li> <li>8. Urea pump heating</li> <li>9. Urea pump reversing valve</li> <li>10. Urea tank heating solenoid valve</li> <li>11. Urea line heating total relay</li> </ol>
Weichai engine	Weichai BOSCH	Weichai BOSCH EDC17 (National IV/National V)	EDC17 Series Clear unclearable trouble code (Post processing)			✓	✓	✓			
Weichai engine	Weichai BEK5 (Tejing V)	Enter test				✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Air conditioning compressor</li> <li>2. Turbocharger actuator</li> <li>3. Exhaust gas recirculation actuator</li> <li>4. Engine speed test</li> <li>5. Warm-up indicator test</li> <li>6. Fault light test</li> <li>7. Fuel Metering Actuator Test</li> <li>8. System light test</li> <li>9. Throttle Actuator Test</li> <li>10. Variable Eddy Current Actuator Test</li> <li>11. Alternative rail pressure setpoint signal test</li> <li>12. External test value</li> <li>13. Selected cylinder injection characteristic status test</li> <li>14. SCR-injection valve</li> <li>15. SCR-heating pressure curve</li> <li>16. SCR-urea tank heating</li> <li>17. AdBlue Supply Pump</li> <li>18. AdBlue4/2 access valve</li> <li>19. SCR heating reflow profile</li> <li>20. AdBlue heating supply module</li> <li>21. AdBlue heating pumping curve</li> </ol>
Weichai engine	Weichai independence WISE	WISE15 Road National IV, National V or non-road three stages				✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. AC Relay</li> <li>2. Intake heating relay</li> <li>3. Intake heating relay 2</li> <li>4. Intake heating lamp</li> <li>5. OBD Fault light</li> <li>6. Alarm light</li> <li>7. Error light</li> <li>8. Speed instead</li> <li>9. Rail pressure instead</li> <li>10. Oil metering unit</li> </ol> <p>Functions Test</p> <ol style="list-style-type: none"> <li>1. Break cylinder test</li> <li>2. PRV Valve parameter reset</li> </ol> <p>Vehicle calibration</p>

Weichai engine	Weichai independence WISE	WISE15C Road National V or inland river I				✓	✓	✓	✓	✓	<ul style="list-style-type: none"> <li>Actuation Test</li> <li>1. AC Relay</li> <li>2. Intake heating relay</li> <li>3. Intake heating relay 2</li> <li>4. Intake heating lamp</li> <li>5. OBD Fault light</li> <li>6. Alarm light</li> <li>7. Error light</li> <li>8. Speed instead</li> <li>9. Rail pressure instead</li> <li>10. Oil metering unit</li> <li>Functions Test</li> <li>1. Break cylinder test</li> <li>2. Urea injection test</li> <li>3. PRV Valve reset</li> <li>Vehicle calibration</li> <li>1. Read</li> <li>2. Write</li> </ul>
Weichai engine	Weichai independence WISE	WISE15(WP17V8 model)				✓	✓	✓	✓	✓	<ul style="list-style-type: none"> <li>Actuation Test</li> <li>1. A/C Relay</li> <li>2. Engine speed replacement</li> <li>3. Intake heating lamp ( Cold start light )</li> <li>4. OBD Fault light</li> <li>5. Oil metering unit</li> <li>6. Error light</li> <li>7. Rail pressure replacement</li> <li>8. Alarm light</li> <li>9. Engine off path control</li> <li>10. Intake heating relay 1</li> <li>11. Intake heating relay 2</li> </ul>
Weichai engine	Weichai independence WISE	Euro VI (MD1)				✓	✓	✓	✓	✓	<ul style="list-style-type: none"> <li>Actuation Test</li> <li>1. Air conditioning relay actuator test</li> <li>2. Electronically controlled bleed valve actuator test</li> <li>3. EGR Position actuator test</li> <li>4. Cold start lamp actuator test</li> <li>5. MIL Lamp actuator test</li> <li>6. Diesel pre-supply pump actuator test</li> <li>7. SVS Lamp actuator test</li> <li>8. Throttle position actuator test</li> <li>9. VGT Actuator test</li> <li>10. Exhaust butterfly valve actuator test</li> <li>11. Heating relay 1 Actuator test</li> <li>12. Fuel heating actuator test</li> <li>13. Start relay actuator test</li> <li>14. fan PWM Drive actuator test</li> <li>15. Fan digital drive pin 2 Actuator test</li> <li>16. HC Jet metering drive actuator test</li> <li>17. Urea pressure tube heating relay actuator test</li> <li>18. Urea pipette heating relay actuator test</li> </ul>
Weichai engine	Weichai independence WISE	WISE13A National V, National VI; Non-road three, Four stages				✓	✓	✓	✓	✓	<ul style="list-style-type: none"> <li>Actuation Test</li> <li>1. Electronically controlled bleed valve actuator test</li> <li>2. EGR Position actuator test</li> <li>3. Throttle position actuator test</li> <li>4. VGT Actuator test</li> <li>5. Exhaust butterfly valve actuator test</li> <li>6. Intake heating relay 1 Actuator test</li> <li>7. fan PWM Drive actuator test</li> <li>8. Fan digital drive pin 1 Actuator test</li> <li>9. Fan digital drive pin 2 Actuator test</li> <li>10. Urea pump drive actuator test</li> <li>Special Functions</li> <li>1. VIN Frame number calibration</li> <li>2. Urea injection test</li> <li>3. DPF Regeneration test</li> </ul>

Weichai engine	Weichai independence WISE	WISE13B				✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Air conditioning compressor relay control (ACCD)</li> <li>2. Speed setting (EngM)</li> <li>3. Intake heating lamp ( Cold start light ) control (CSLPCD)</li> <li>4. Wrning Light control (WrnLmp)</li> <li>5. Intake heating relay 1(AirHt1)</li> <li>6. Intake heating relay 2(AirHt2)</li> <li>7. Engine off path (stShutOff)</li> <li>8. STOP Light control (StopLmp)</li> </ol> <p>Special Functions</p> <ol style="list-style-type: none"> <li>1. PRV Valve parameter reset</li> </ol>
Weichai engine	Weichai independence WISE	WISE12A				✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Air conditioning compressor relay test</li> <li>2. Engine speed control test</li> <li>3. Cold start light test</li> <li>4. OBD Lamp test</li> <li>5. Oil quantity measurement unit test</li> <li>6. Error light test</li> <li>7. Rail pressure test</li> <li>8. Alarm light test</li> <li>9. Engine off path test</li> <li>10. Heating relay 1 test</li> <li>11. Heating relay 2 test</li> </ol> <p>Special Functions</p> <ol style="list-style-type: none"> <li>1. Break cylinder test</li> </ol>
Weichai engine	Weichai independence WISE	WISE12B 12V; Non-road three, Four stages				✓	✓	✓	✓		
Weichai engine	Weichai independence WISE	WISE10A Diesel, Heavy National VI				✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Air conditioning relay actuator test</li> <li>2. Cold start lamp actuator test</li> <li>3. MIL Lamp actuator test</li> <li>4. Diesel pre-supply pump actuator test</li> <li>5. SVS Lamp actuator test</li> <li>6. Intake heating relay 1 Actuator test</li> <li>7. Fuel heating actuator test</li> <li>8. Start relay actuator test</li> <li>9. Fan digital drive pin 2 Actuator test</li> <li>10. Urea pressure tube heating relay actuator test</li> <li>11. Urea pipette heating relay actuator test</li> <li>12. Urea pump heating relay actuator test</li> <li>13. Urea tank heating solenoid valve actuator test</li> <li>14. Reverse valve drive actuator test</li> <li>15. Post-treatment heating main relay actuator test</li> <li>16. Warning Lamp actuator test</li> <li>17. Stop Lamp actuator test</li> <li>18. NCD Lamp actuator test</li> </ol>

Weichai engine	Weichai independence WISE	WISE10B Large bore, Heavy National VI, Non-road four				✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Close path service test</li> <li>2. Exhaust butterfly valve actuator test</li> <li>3. Intake heating relay 1 Actuator test</li> <li>4. Start relay actuator test</li> <li>5. Fan PWM Drive actuator test</li> <li>6. Fan digital drive pin 1 Actuator test</li> <li>7. Fan digital drive pin 2 Actuator test</li> <li>8. Prohibit delayed stop actuator test</li> <li>9. MeUn Valve duty cycle actuator test</li> <li>10. MeUn Valve flow actuator test</li> <li>11. MeUn Valve current actuator test</li> <li>12. Diesel pre-supply pump actuator test</li> <li>13. Fuel heating actuator test</li> <li>14. Rail pressure set value substitute value test</li> <li>15. MIL Lamp actuator test</li> <li>16. SVS Lamp actuator test</li> <li>17. Warning Lamp actuator test</li> <li>18. Stop Lamp actuator test</li> <li>19. NCD Lamp actuator test</li> </ol>
Weichai engine	Weichai Sharp Power Series	Sharp power WP2.1 (12V) National IV BOSCH EDC17C63/C55 (500K)				✓	✓	✓	✓		
Weichai engine	Weichai Sharp Power Series	Sharp power C81 (12V) National V BOSCH EDC17C81 (500K)				✓	✓	✓	✓		
Weichai engine	Weichai Sharp Power Series	Sharp power WP3 (24V) National IV BOSCH P1124 EDC17CV54 (1000K)				✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. OBD light</li> <li>2. Flash code</li> <li>3. Cold start light</li> <li>4. Intake heating relay</li> <li>5. Pressure line heating</li> <li>6. Inlet line heating</li> <li>7. Return line heating</li> <li>8. Urea pump heating</li> <li>9. Urea pump reversing valve</li> <li>10. Urea tank heating solenoid valve</li> <li>11. Urea line heating total relay</li> </ol>
Weichai engine	Weichai Sharp Power Series	Sharp power YEDC17V301 (24V) National V BOSCH EDC17CV44 (1000K, 1/9 Pin)				✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. OBD light</li> <li>2. Flash code</li> <li>3. Cold start light</li> <li>4. Intake heating relay</li> <li>5. Pressure line heating</li> <li>6. Inlet line heating</li> <li>7. Return line heating</li> <li>8. Urea pump heating</li> <li>9. Urea pump reversing valve</li> <li>10. Urea tank heating solenoid valve</li> <li>11. Urea line heating total relay</li> </ol>
Weichai engine	Weichai Sharp Power Series	Sharp power common rail BOSCH P1329 EDC17CV54 (1000K)				✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. OBD light</li> <li>2. Flash code light</li> <li>3. Cold start light</li> <li>4. Intake heating relay</li> <li>5. Pressure line heating</li> <li>6. Inlet line heating</li> <li>7. Return line heating</li> <li>8. Urea pump heating</li> <li>9. Urea pump reversing valve</li> <li>10. Urea tank heating solenoid valve</li> <li>11. Urea line heating total relay</li> </ol> <p>Calibration function</p> <ol style="list-style-type: none"> <li>1. Vehicle variable</li> </ol>

Weichai engine	Weichai Sharp Power Series	YEDEC17V301 (24V) country 5 BOSCH EDC17CV44(1000 K, 1/9 pin)				✓	✓	✓	✓	✓	Actuation Test 1.OBD light 2.Flash code 3.Inlet line heating 4.Cold start light 5.Intake heating relay 6.Return line heating 7.Pressure line heating 8.Urea pump heating 9.Urea pump reversing valve 10.Urea tank heating solenoid valve 11.Urea line heating total relay
Weichai engine	Weichai Sharp Power Series	National IV BOSCH EDC17C63/C55 (500K)				✓	✓	✓			
Weichai engine	Weichai Sharp Power Series	Sharp power C81 (12V) BOSCH EDC17C81 (500K)	BOSCH EDC17 National V with urea			✓	✓	✓			
Weichai engine	Weichai Sharp Power Series	Sharp power C81 (12V) BOSCH EDC17C81 (500K)	Sharp power 12V National V (EDC17C81)			✓	✓	✓	✓		
Weichai engine	Weichai Natural Gas System	Weichai Woodward Natural Gas	Weichai Woodward natural gas (OH1.2)			✓	✓	✓			
Weichai engine	Weichai Natural Gas System	Weichai Woodward Natural Gas	Weichai Woodward natural gas (OH2.0/2.2)			✓	✓	✓	✓		Special Functions 1.Break cylinder test 2.Break nozzle test 3.Electronic throttle test 4.Compression test 5.Closed loop test
Weichai engine	Weichai Natural Gas System	Weichai Woodward Natural Gas	Weichai Woodward natural gas (OH5)			✓	✓	✓	✓		Special Functions 1.Break cylinder test 2.Break nozzle test 3.Electronic throttle test 4.Compression test 5.Closed loop test
Weichai engine	Weichai Natural Gas System	Weichai Woodward Natural Gas	Weichai Woodward natural gas (OH6)			✓	✓	✓	✓	✓	Actuation Test 1.Engine fault indicator 2.Overheat indicator 3.Lock 4.Generator is prohibited 5.Engine detection light 6.Engine brake 7.RSG Cruise PTO 8.Low fuel indicator light 9.Starter control 10.Cooling fan 1 11.Cooling fan 2 12.Fuel gauge 13.EGR valve system 14.Engine stop indicator 15.Closing sparks 1 16.Close the spark 2 17.Close the spark 3 18.Close the spark 4 19.Close the door sparks 5 20.Close the spark 6 21.Close the injector 1
Weichai engine	Weichai Natural Gas System	Weichai BOSCH Natural Gas (EGC4)				✓	✓	✓	✓	✓	Actuation Test 1.MIL light 2.System indicator 3.Throttle 4.Gas tank high pressure shut-off valve 5.Gas tank low pressure shut-off valve
Weichai engine	Weichai Natural Gas System	Weichai independent natural gas WNG				✓	✓	✓	✓		
Weichai engine	Weichai Natural Gas System	WISE17 road National V gas				✓	✓	✓	✓	✓	Actuation Test 1.Engine speed control test 2.MIL Lamp test 3.Fault light test 4.Silicone fan test 5.Low pressure shut-off valve test 6.Three-speed fan 1 test 7.Three-speed fan 2 test 8.Oxygen sensor heating test 9.Ignition coils 1 test 10.Ignition coils 2 test 11.Ignition coils 3 test 12.Ignition coils 4 test 13.Ignition coils 5 test 14.Ignition coils 6 test 15.Wastegate test 16.Surge valve test

Weichai engine	Weichai Natural Gas System	Road National VI gas				✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Electronically controlled bleed valve actuator test</li> <li>2. EGR Position actuator test</li> <li>3. Throttle position actuator test</li> <li>4. EGR Position self-learning actuator test</li> <li>5. Throttle position self-learning actuator test</li> <li>6. MIL Lamp actuator test</li> <li>7. SVS Lamp actuator test</li> <li>8. Warning Lamp actuator test</li> <li>9. Stop Lamp actuator test</li> <li>10. NCD Lamp actuator test</li> <li>11. Air conditioning relay actuator test</li> <li>12. Exhaust butterfly valve actuator test</li> <li>13. Start relay actuator test</li> <li>14. fan PWM Drive actuator test</li> <li>15. Fan digital drive pin 1 Actuator test</li> <li>16. Fan digital drive pin 2 Actuator test</li> <li>17. Ignition angle actuator test</li> <li>18. lambda Actuator test</li> <li>19. High pressure shut-off valve actuator test</li> </ol>
Weichai engine	Weichai Natural Gas System	WISE10B gas HPDI National VI				✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Close path service test</li> <li>2. Exhaust butterfly valve actuator test</li> <li>3. Intake heating relay 1 Actuator test</li> <li>4. Start relay actuator test</li> <li>5. fan PWM Drive actuator test</li> <li>6. Fan digital drive pin 1 Actuator test</li> <li>7. Fan digital drive pin 2 Actuator test</li> <li>8. Prohibit delayed stop actuator test</li> <li>9. MeUn Valve duty cycle actuator test</li> <li>10. MeUn Valve flow actuator test</li> <li>11. MeUn Valve current actuator test</li> <li>12. Diesel pre-supply pump actuator test</li> <li>13. Fuel heating actuator test</li> <li>14. Rail pressure set value substitute value test</li> <li>15. MIL Lamp actuator test</li> <li>16. SVS Lamp actuator test</li> <li>17. Warning Lamp actuator test</li> <li>18. Stop Lamp actuator test</li> <li>19. NCD Lamp actuator test</li> </ol>
Weichai engine	Yangchai (Weichai power) engine	BOSCH common rail system	BOSCH National III series	Yangchai BOSCH EDC16UC40 universal type	Static data diagnosis	✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. High voltage test</li> <li>2. Accelerated test</li> <li>3. Break cylinder test</li> <li>4. Compression test</li> <li>5. Start fault information</li> </ol>
Weichai engine	Yangchai (Weichai power) engine	BOSCH common rail system	BOSCH National III series	Yangchai BOSCH EDC16UC40 universal type	Dynamic data diagnosis	✓			✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Fault light</li> <li>2. Cold start light</li> </ol> <p>Special Functions</p> <ol style="list-style-type: none"> <li>1. Start fault information</li> <li>2. Compression test</li> <li>3. Idle speed comparison</li> <li>4. High voltage test</li> <li>5. High speed test</li> </ol>
Weichai engine	Yangchai (Weichai power) engine	BOSCH common rail system	BOSCH National IV series	Yangchai (weichai) P1329 EDC17CV54 with EGR	P1329 EDC17CV54 with EGR (K)	✓	✓	✓	✓		
Weichai engine	Yangchai (Weichai power) engine	BOSCH common rail system	BOSCH National IV series	Yangchai (weichai) P1329 EDC17CV54 with EGR	P1329 EDC17CV54 with EGR (CAN)	✓	✓	✓			
Weichai engine	Yangchai (Weichai power) engine	BOSCH common rail system	BOSCH National IV series	Yangchai P1124 EDC17CV54 with EGR	P1124 EDC17CV54 with EGR (K)	✓	✓	✓	✓		
Weichai engine	Yangchai (Weichai power) engine	BOSCH common rail system	BOSCH National IV series	Yangchai P1124 EDC17CV54 with EGR	P1124 EDC17CV54 with EGR (CAN)	✓	✓	✓			

Weichai engine	Yangchai (Weichai power) engine	Yangchai YZ4D dragon pump system(National III)				✓	✓	✓	✓	Special Functions 1. Write VIN code 2. Write 1 cylinder injector IQA code 3. Write 2 cylinder injector IQA code 4. Write 3 cylinder injector IQA code 5. Write 4 cylinder injector IQA code 6. Write 5 cylinder injector IQA code 7. Write 6-cylinder injector IQA code
Weichai engine	Yangchai (Weichai power) engine	Yangchai VE pump engine				✓	✓	✓		
Weichai engine	Weichai unit pump system						✓	✓	✓	Actuation Test 1. Break cylinder test 2. Solenoid valve test Special Functions 1. Read injector code 2. Modify the injector code
Weichai engine	WP engine					✓	✓	✓	✓	1. Vehicle operation information Calibration data 1. Exhaust brake 2. Engine idle speed adjustment 3. Engine start control 4. PTO Post drive calibration 5. CAN Open bus 6. Under the car start and stop switch 7. Intake preheating control 8. Maximum speed 9. Speed sensor characteristics 10. Engine sensor 11. other attachments 12. Double pedal control 13. Air conditioning control Actuation Test 1. Air conditioning relay 2. Diagnostic light 3. Intake heating relay 4. Cold start light 5. There are water lamps in the oil 6. Alarm light
Weichai engine	Weichai New Energy	Yaxing New Energy VMU				✓	✓	✓	✓	
Weichai engine	Weichai post-treatment system	Weichai BOSCH DNOX1.0 Post processing				✓	✓	✓	✓	Actuation Test 1. Fault indicator 2. AdBlue Pump 3. Vent 4. Air control valve 5. Dosing valve 6. AdBlue Tank heating device 7. Pump / Filter heating element 8. Pressure tube / Dosing module heating element 9. Return tube heating element 10. Input tube heating element 11. Internal hose heater
Weichai engine	Weichai post-treatment system	Weichai BOSCH DNOX2.0 Post processing (EDC 7UC31)				✓	✓	✓	✓	Actuation Test 1. Cooling circuit control valve 2. Dosing valve 3. AdBlue Two-position four-way valve 4. AdBlue Tank heating device 5. Filter housing heating element 6. Filter output interface heating element
Weichai engine	Weichai post-treatment system	Weichai BOSCH DNOX2.2 Post processing (ED1 7CV44)				✓	✓	✓	✓	Special Functions 1. Post processing test

Weichai engine	Weichai post-treatment system	Weichai BOSCH DNOX2.2/6.5 Post processing(1/9 pin)				✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1.OBD light</li> <li>2.Flash code</li> <li>3.Inlet line heating</li> <li>4.Cold start light</li> <li>5.Intake heating relay</li> <li>6.Return line heating</li> <li>7.Pressure line heating</li> <li>8.Urea pump heating</li> <li>9.Urea pump reversing valve</li> <li>10.Urea tank heating solenoid valve</li> <li>11.Urea line heating total relay</li> </ol>
Weichai engine	Weichai post-treatment system	Weichai BOSCH DNOX2.2/6.5 Post processing(6/14 pin)				✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1.Air conditioning compressor</li> <li>2.Turbocharger actuator</li> <li>3.Exhaust gas recirculation actuator</li> <li>4.Engine speed test</li> <li>5.Warm-up indicator test</li> <li>6.Fault code test</li> <li>7.Fuel Metering Actuator Test</li> <li>8.System light test</li> <li>9.Throttle Actuator Test</li> <li>10.Variable Eddy Current Actuator Test</li> <li>11.Alternative rail pressure setpoint signal test</li> <li>12.External test value</li> <li>13.Selected cylinder injection characteristic status test</li> <li>14.SCR-injection valve</li> <li>15.SCR-heating pressure curve</li> <li>16.SCR-urea tank heating</li> <li>17.AdBlue Supply Pump</li> <li>18.AdBlue 4/2 access valve</li> <li>19.SCR heating reflow curve</li> <li>20.AdBlue heating supply module</li> <li>21.AdBlue heating pumping curve</li> </ol>
Weichai engine	Weichai post-treatment system	Weichai BOSCH NOX2.2 post-processing(old version)				✓	✓	✓	✓		<p>Special Functions</p> <ol style="list-style-type: none"> <li>1.Post processing test</li> </ol>
Weichai engine	Weichai post-treatment system	Weichai BOSCH DNOX2.2/6.5 Post processing(old version)				✓	✓	✓			
Weichai engine	Weichai post-treatment system	Weichai independence DCU(Tenneco) Post processing				✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1.Urea pump test</li> <li>2.Nozzle test</li> <li>3.Return pump / Directional valve</li> <li>4.Post processing system control</li> </ol> <p>Special Functions</p> <ol style="list-style-type: none"> <li>1.Urea injection test</li> </ol>
Weichai engine	Weichai post-treatment system	Weichai independence WISE10A Post processing				✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1.Air conditioning relay actuator test</li> <li>2.Cold start lamp actuator test</li> <li>3.MIL Lamp actuator test</li> <li>4.Diesel pre-supply pump actuator test</li> <li>5.SVS Lamp actuator test</li> <li>6.Intake heating relay 1 Actuator test</li> <li>7.Fuel heating actuator test</li> <li>8.Start relay actuator test</li> <li>9.Fan digital drive pin 2 Actuator test</li> <li>10.Urea pressure tube heating relay actuator test</li> <li>11.Urea pipette heating relay actuator test</li> <li>12.Urea pump heating relay actuator test</li> <li>13.Urea tank heating solenoid valve actuator test</li> <li>14.Reverse valve drive actuator test</li> <li>15.Post-treatment heating main relay actuator test</li> <li>16.Warning Lamp actuator test</li> <li>17.Stop Lamp actuator test</li> <li>18.NCD Lamp actuator test</li> </ol>



Weichai engine	Weichai post-treatment system	Weichai independence WISE10B Post processing				√	√	√	√	√	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1.Close path service test</li> <li>2.Exhaust butterfly valve actuator test</li> <li>3.Intake heating relay 1 Actuator test</li> <li>4.Start relay actuator test</li> <li>5.fan PWM Drive actuator test</li> <li>6.Fan digital drive pin 1 Actuator test</li> <li>7.Fan digital drive pin 2 Actuator test</li> <li>8.Prohibit delayed stop actuator test</li> <li>9.MeUn Valve duty cycle actuator test</li> <li>10.MeUn Valve flow actuator test</li> <li>11.MeUn Valve current actuator test</li> <li>12.Diesel pre-supply pump actuator test</li> <li>13.Fuel heating actuator test</li> <li>14.Rail pressure set value substitute value test</li> <li>15.MIL Lamp actuator test</li> <li>16.SVS Lamp actuator test</li> <li>17.Warning Lamp actuator test</li> <li>18.Stop Lamp actuator test</li> <li>19.NCD Lamp actuator test</li> </ol>
Weichai engine	Weichai post-treatment system	Weichai WISE15C Post processing				√	√	√	√	√	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1.AC Relay</li> <li>2.Intake heating relay</li> <li>3.Intake heating relay 2</li> <li>4.Intake heating lamp</li> <li>5.OBD Fault light</li> <li>6.Alarm light</li> <li>7.Error light</li> <li>8.Speed instead</li> <li>9.Rail pressure instead</li> <li>10.Oil metering unit</li> </ol> <p>Functions Test</p> <ol style="list-style-type: none"> <li>1.Break cylinder test</li> <li>2.Urea injection test</li> <li>3.PRV Valve reset</li> </ol> <p>Vehicle calibration</p> <ol style="list-style-type: none"> <li>1.Read</li> <li>2.Write</li> </ol>
Weichai engine	Weichai post-treatment system	Weichai BEK5(Teijing V)Post processing				√	√	√	√	√	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1.Air conditioning compressor</li> <li>2.Turbocharger actuator</li> <li>3.Exhaust gas recirculation actuator</li> <li>4.Engine speed test</li> <li>5.Warm-up indicator test</li> <li>6.Fault light test</li> <li>7.Fuel Metering Actuator Test</li> <li>8.System light test</li> <li>9.Throttle Actuator Test</li> <li>10.Variable Eddy Current Actuator Test</li> <li>11.Alternative rail pressure setpoint signal test</li> <li>12.External test value</li> <li>13.Selected cylinder injection characteristic status test</li> <li>14.SCR-injection valve</li> <li>15.SCR-heating pressure curve</li> <li>16.SCR-urea tank heating</li> <li>17.AdBlue Supply Pump</li> <li>18.AdBlue4/2 access valve</li> <li>19.SCR heating reflow profile</li> <li>20.AdBlue heating supply module</li> <li>21.AdBlue heating pumping curve</li> </ol>
Weichai engine	Weichai post-treatment system	Kailong post processing system				√	√	√	√		<p>Special Functions</p> <ol style="list-style-type: none"> <li>1.Fault shielding</li> <li>2.Urea injection test</li> </ol>
Weichai engine	Weichai post-treatment system	Qintai Pump					√	√	√		<p>Special Functions</p> <ol style="list-style-type: none"> <li>1.Parameter calibration</li> <li>2.Urea injection test ( On the car )</li> <li>3.Urea injection test ( Under the car )</li> </ol>
Weichai engine	Weichai post-treatment system	VE Nanjing pump				√	√	√	√		

Shangchai engine	Electric engine system	D Series engine	SC5DK National III			√	√	√	√	√	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Fuel leak check function</li> <li>2. Exhaust brake check</li> <li>3. Break cylinder test</li> <li>4. Oil pump learning</li> <li>5. Odometer and total fuel usage are cleared</li> </ol> <p>Special Functions</p> <ol style="list-style-type: none"> <li>1. Read all QR code</li> <li>2. write QR code</li> <li>3. write VIN code</li> <li>4. write EIN code</li> <li>5. Read and write vehicle function information</li> </ol>
Shangchai engine	Electric engine system	D Series engine	SC5DK National IV			√	√	√	√	√	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Oil pump leak check</li> <li>2. Exhaust brake test</li> <li>3. Break cylinder test</li> <li>4. Oil pump self-learning</li> <li>5. Clear fuel consumption</li> <li>6. Mileage clear</li> </ol> <p>Special Functions</p> <ol style="list-style-type: none"> <li>1. Read all QR code</li> <li>2. write QR code</li> <li>3. write VIN code</li> <li>4. write EIN code</li> <li>5. Read and write vehicle function information</li> </ol>
Shangchai engine	Electric engine system	D Series engine	SC9DF National III			√	√	√	√	√	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Break cylinder test</li> <li>2. Engine oil leak check</li> <li>3. Engine exhaust brake check</li> <li>4. Oil pump learning</li> <li>5. Odometer and total fuel usage are cleared</li> </ol> <p>Special Functions</p> <ol style="list-style-type: none"> <li>1. Read all QR code</li> <li>2. write QR code</li> <li>3. write VIN code</li> <li>4. write EIN code</li> <li>5. Read and write vehicle function information</li> </ol>
Shangchai engine	Electric engine system	D Series engine	SC9DF National IV			√	√	√	√	√	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Broken cylinder test</li> <li>2. Oil pump leak check</li> <li>3. Exhaust brake test</li> <li>4. Oil pump self-learning</li> <li>5. Odometer and total fuel usage are cleared</li> </ol> <p>Special Functions</p> <ol style="list-style-type: none"> <li>1. Read all QR code</li> <li>2. write QR code</li> <li>3. write VIN code</li> <li>4. write EIN code</li> <li>5. Read and write vehicle function information</li> </ol>
Shangchai engine	Electric engine system	D Series engine	SC8DK/9DK National III			√	√	√	√	√	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Break cylinder test</li> <li>2. Engine oil leak check</li> <li>3. Engine exhaust brake check</li> <li>4. Oil pump learning</li> <li>5. Odometer and total fuel usage are cleared</li> </ol> <p>Special Functions</p> <ol style="list-style-type: none"> <li>1. Read all QR code</li> <li>2. write QR code</li> <li>3. write VIN code</li> <li>4. write EIN code</li> <li>5. Read and write vehicle function information</li> </ol>
Shangchai engine	Electric engine system	D Series engine	SC8DK/9DK National IV			√	√	√	√	√	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Break cylinder test</li> <li>2. Oil pump leak check</li> <li>3. Exhaust brake test</li> <li>4. Oil pump self-learning</li> <li>5. Odometer and total fuel usage are cleared</li> </ol> <p>Special Functions</p> <ol style="list-style-type: none"> <li>1. Read all QR code</li> <li>2. write QR code</li> <li>3. write VIN code</li> <li>4. write EIN code</li> <li>5. Read and write vehicle function information</li> </ol>

Shangchai engine	Electric engine system	H Series engine	SC4H/SC7H Diesel National IV		✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Break cylinder test</li> <li>2. Oil pump leak check</li> <li>3. Exhaust brake test</li> <li>4. Oil pump self-learning</li> <li>5. Odometer and total fuel usage are cleared</li> </ol> <p>Special Functions</p> <ol style="list-style-type: none"> <li>1. Read all QR code</li> <li>2. write QR code</li> <li>3. write VIN code</li> <li>4. write EIN code</li> <li>5. Read and write vehicle function information</li> </ol>
Shangchai engine	BOSCH engine system	E Series engine	SC10E/SC12E Diesel National IV	Shangchai BOSCH P1108 EDC17CV44 With urea (K)	✓	✓	✓			
Shangchai engine	BOSCH engine system	E Series engine	SC10E/SC12E Diesel National IV	Shangchai BOSCH P1108 EDC17CV44 With urea (CAN)	✓	✓	✓			
Shangchai engine	BOSCH engine system	R Series engine	SC25R/28R Diesel National IV/National V	Shangchai P924 EDC17C53	✓	✓	✓			
Shangchai engine	BOSCH engine system	R Series engine	SC25R/28R Diesel National IV/National V	Shangchai 1924 EDC17C81+ DPF	✓	✓	✓			
Shangchai engine	BOSCH engine system	R Series engine	SC25R/28R Diesel National IV/National V	Shangchai 1532 EDC17C81+ DPF	✓	✓	✓			
Shangchai engine	BOSCH engine system	Shanghai Huizhong EDC17C53 Engine system			✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Fault light</li> <li>2. Maintenance indicator</li> <li>3. Warm-up indicator</li> <li>4. Machine warm-up time control</li> <li>5. Exhaust gas recirculation solenoid valve</li> <li>6. Air conditioning compressor</li> </ol>
Shangchai engine	Natural gas engine system	Shanghai Woodward OH1.2 natural gas			✓	✓	✓			
Shangchai engine	Natural gas engine system	Shanghai Woodward OH2.0 natural gas			✓	✓	✓	✓		<p>Special Functions</p> <ol style="list-style-type: none"> <li>1. Break cylinder test</li> <li>2. Break nozzle test</li> <li>3. Electronic throttle test</li> <li>4. Compression test</li> <li>5. Closed loop test</li> </ol>
Shangchai engine	Natural gas engine system	Shanghai Econtrols natural gas (RS232)			✓	✓	✓	✓		<p>Special Functions</p> <ol style="list-style-type: none"> <li>1. Ignition and break cylinder test</li> <li>2. Nozzle cut test</li> <li>3. Electronic throttle test</li> <li>4. Compression test</li> <li>5. Closed loop test</li> <li>6. Clear adaptive value</li> </ol>
Shangchai engine	Natural gas engine system	Shanghai Econtrols natural gas (CAN)			✓	✓	✓	✓		<p>Special Functions</p> <ol style="list-style-type: none"> <li>1. Ignition and break cylinder test</li> <li>2. Nozzle cut test</li> <li>3. Electronic throttle test</li> <li>4. Compression test</li> <li>5. Closed loop test</li> </ol>
Shangchai engine	Natural gas engine system	Shanghai SC4HT			✓	✓	✓	✓		
Shangchai engine	Other engine systems	DP26 DIAS			✓	✓	✓	✓		
Trinity engine	Witt Electronic Control	Witt ECU25 National IV System (J1939)			✓	✓	✓	✓		
Trinity engine	Witt Electronic Control	Witt ECU25 National IV System (CAN)			✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. Break cylinder test</li> <li>2. Solenoid valve test</li> </ol>
Trinity engine	Witt Electronic Control	Witt ECU25 National IV system Old version (CAN)			✓	✓	✓	✓	✓	<p>Actuation Test</p> <ol style="list-style-type: none"> <li>1. OBD light</li> <li>2. Fault diagnosis light</li> <li>3. Preheat indicator</li> <li>4. Preheat relay</li> <li>5. Exhaust brake light</li> <li>6. Exhaust brake valve</li> <li>7. Electronic fan</li> </ol>

Trinity engine	Witt Electronic Control	Witt ECU30 National V System(CAN)				√	√	√	√	√	Actuation Test 1.OBD light 2.Fault diagnosis light 3.Preheat indicator 4.Preheat relay 5.Exhaust brake light 6.Exhaust brake valve 7.Electronic fan
Trinity engine	Witt Electronic Control	Witt unit pump National III system(J1939)				√	√	√	√		
Trinity engine	Witt Electronic Control	Witt unit pump National III system(Yuchai)(RS232)				√	√	√	√		
Trinity engine	Witt Electronic Control	Witt unit pump National III system(Yangchai/Dachai/Xichai)(RS232)				√	√	√			
Trinity engine	Witt Electronic Control	Witt unit pump system (Perkins) (RS232)				√	√	√			
Trinity engine	Witt Electronic Control	Witt unit pump system (Cummins) (RS232)				√	√	√			
Trinity engine	ECTEK	ECTEK Yuchai power engine	Yuchai Power Common Rail(YCD National IV/National V)			√	√	√	√		
Trinity engine	ECTEK	ECTEK Yuchai power engine	Yuchai Power F02 Common rail(YC4E National IV/National V)			√	√	√	√		
Trinity engine	ECTEK	ECTEK Yuchai power engine	Yuchai Power F02 Common rail(YCD4 National V)			√	√	√	√	√	Actuation Test 1.Break cylinder test 2.EGR target position control 3.Start relay control 4.Preheat relay 5.Knocking test Special Functions 1.Write mileage 2.Write ECU power-on time 3.Write engine normal running time
Trinity engine	ECTEK	ECTEK cloud power engine	Cloud Power YNF40(CAN250K National IV/National V)			√	√	√			
Trinity engine	ECTEK	ECTEK cloud power engine	Cloud Power YNF40(CAN500K National IV/National V)			√	√	√	√	√	Actuation Test 1.Knock all cylinder tests 2.Knock 1 cylinder test 3.Knock 2 cylinder test 4.Knock 3 cylinder test 5.Knock 4 cylinder test Special Functions 1.Modify vehicle running distance (km) 2.Modify the total time (seconds) of ECU power-on 3.Modify the total engine running time (seconds)
Trinity engine	ECTEK	ECTEK cloud power engine	Cloud Power YN4D(Agricultural machine)			√	√	√	√	√	Actuation Test 1.Break cylinder test 2.EGR target position control 3.Start relay control 4.Preheat relay 5.Knocking test
Trinity engine	ECTEK	ECTEK liberation (FAW)engine	Hengyang pump (M8 T3, 4DC T3ECTEK 80 Pin)			√	√	√	√	√	Actuation Test 1.Break cylinder test 2.EGR target position control 3.Start relay control 4.Preheat relay 5.Knocking test Special Functions 1.Write mileage 2.Write ECU power-on time 3.Write engine normal running time
Trinity engine	ECTEK	ECTEK liberation (FAW)engine	Hengyang pump (4DW, 4DX, 4D FECTEK 80/48 Pin)			√	√	√	√	√	Actuation Test 1.Break cylinder test 2.EGR target position control 3.Start relay control 4.Preheat relay 5.Knocking test Special Functions 1.Write mileage 2.Write ECU power-on time 3.Write engine normal running time

Trinity engine	ECTEK	ECTEK liberation (FAW) engine	BOSCH pump (BFM1013/BF M2012 T3ECTEK 121 Pin)			✓	✓	✓	✓		
Trinity engine	ECTEK	ECTEK liberation (FAW) engine	Hengyang pump (BFM1013/BF M2012 T3ECTEK 121 Pin)			✓	✓	✓	✓		
Trinity engine	ECTEK	ECTEK engineering machinery engine	Revo ECTEK unit pump F05/F06			✓	✓	✓	✓	✓	Actuation Test 1. Break cylinder test 2. Start relay control 3. Preheat relay 4. Knock test
Trinity engine	ECTEK	ECTEK agricultural machinery engine	All diesel machinery			✓	✓	✓	✓	✓	Actuation Test 1. Break cylinder test 2. EGR target position control 3. Start relay control 4. Preheat relay 5. Knocking test Special Functions 1. Write mileage 2. Write ECU power-on time 3. Write engine normal running time
Trinity engine	ECTEK	ECTEK agricultural machinery engine	Colin Agricultural Machinery			✓	✓	✓	✓	✓	Actuation Test 1. Break cylinder test 2. EGR target position control 3. Start relay control 4. Preheat relay 5. Knocking test Special Functions 1. Write mileage 2. Write ECU power-on time 3. Write engine normal running time
Trinity engine	ECTEK	ECTEK agricultural machinery engine	Revo Agricultural Machinery			✓	✓	✓	✓	✓	Actuation Test 1. Break cylinder test 2. EGR target position control 3. Start relay control 4. Preheat relay 5. Knocking test Special Functions 1. Write mileage 2. Write ECU power-on time 3. Write engine normal running time
Trinity engine	ECTEK	ECTEK agricultural machinery engine	Lugong Agricultural Machinery			✓	✓	✓	✓	✓	Actuation Test 1. Break cylinder test 2. EGR target position control 3. Start relay control 4. Preheat relay 5. Knocking test Special Functions 1. Write mileage 2. Write ECU power-on time 3. Write engine normal running time
Trinity engine	ECTEK	ECTEK agricultural machinery engine	Longgong Agricultural Machinery			✓	✓	✓	✓	✓	Actuation Test 1. Break cylinder test 2. EGR target position control 3. Start relay control 4. Preheat relay 5. Knocking test Special Functions 1. Write mileage 2. Write ECU power-on time 3. Write engine normal running time
Trinity engine	ECTEK	Xichai Agricultural Machinery	Hengyang pump (M8 T3, 4DC T3ECTEK 80 Pin)			✓	✓	✓	✓	✓	Actuation Test 1. Break cylinder test 2. EGR target position control 3. Start relay control 4. Preheat relay 5. Knocking test Special Functions 1. Write mileage 2. Write ECU power-on time 3. Write engine normal running time
Trinity engine	ECTEK	Xichai Agricultural Machinery	Hengyang pump (4DW, 4DX, 4D FECTEK 80/48 Pin)			✓	✓	✓	✓	✓	Actuation Test 1. Break cylinder test 2. EGR target position control 3. Start relay control 4. Preheat relay 5. Knocking test Special Functions 1. Write mileage 2. Write ECU power-on time 3. Write engine normal running time

Trinity engine	ECTEK	Xichai Agricultural Machinery	BOSCH pump (BFM1013/BF M2012 T3ECTEK 121 Pin)			✓	✓	✓	✓		
Trinity engine	ECTEK	Xichai Agricultural Machinery	Hengyang pump (BFM1013/BF M2012 T3ECTEK 121 Pin)			✓	✓	✓	✓		
Trinity engine	ECTEK	Cloud farm machine				✓	✓	✓	✓	✓	Actuation Test 1. Break cylinder test 2. EGR target position control 3. Start relay control 4. Preheat relay 5. Knocking test
Caterpillar engine	J1708 Automatic scanning					✓	✓	✓			
Caterpillar engine	J1939 Automatic scanning					✓	✓	✓			
Caterpillar engine	Construction machinery	320D/323D	Hydraulic system			✓	✓	✓			
Caterpillar engine	Construction machinery	320D/323D	Engine control module			✓	✓	✓			
Caterpillar engine	Construction machinery	312	Hydraulic system			✓	✓	✓			
Caterpillar engine	Construction machinery	312	Engine control module			✓	✓	✓			
Caterpillar engine	Construction machinery	320C/323C				✓	✓	✓			
Caterpillar engine	Construction machinery	385C/385D	Hydraulic system			✓	✓	✓			
Caterpillar engine	Construction machinery	385C/385D	Engine control module			✓	✓	✓			
Caterpillar engine	Construction machinery	330C/330D	Hydraulic system			✓	✓	✓			
Caterpillar engine	Construction machinery	330C/330D	Engine control module			✓	✓	✓			
Caterpillar engine	Construction machinery	330C/330D	Monitor			✓	✓	✓			
Caterpillar engine	Construction machinery	325D/329D	Hydraulic system			✓	✓	✓			
Caterpillar engine	Construction machinery	325D/329D	Engine control module			✓	✓	✓			
Caterpillar engine	Construction machinery	325D/329D	Monitor			✓	✓	✓			
Caterpillar engine	CAT Bus					✓	✓	✓			
Mitsubishi FUSO	Euro III					✓	✓	✓			
Mitsubishi FUSO	Euro IV					✓	✓	✓			
Mitsubishi FUSO	Euro V					✓	✓	✓			
Caterpillar engine	Construction machinery	312	Hydraulic system			✓	✓	✓			
Caterpillar engine	Construction machinery	312	Engine control module			✓	✓	✓			
Caterpillar engine	Construction machinery	320C/323C				✓	✓	✓			
Caterpillar engine	Construction machinery	385C/385D	Hydraulic system			✓	✓	✓			
Caterpillar engine	Construction machinery	385C/385D	Engine control module			✓	✓	✓			
Caterpillar engine	Construction machinery	330C/330D	Hydraulic system			✓	✓	✓			
Caterpillar engine	Construction machinery	330C/330D	Engine control module			✓	✓	✓			
Caterpillar engine	Construction machinery	330C/330D	Monitor			✓	✓	✓			

Caterpillar engine	Construction machinery	325D/329D	Hydraulic system			✓	✓	✓			
Caterpillar engine	Construction machinery	325D/329D	Engine control module			✓	✓	✓			
Caterpillar engine	Construction machinery	325D/329D	Monitor			✓	✓	✓			
Caterpillar engine	CAT Bus					✓	✓	✓			
Mitsubishi FUSO	Euro III					✓	✓	✓			
Mitsubishi FUSO	Euro IV					✓	✓	✓			
Mitsubishi FUSO	Euro V					✓	✓	✓			