

Diag Software Update of Sep.

Diagnostic software coverage details are available in the following link:

<https://qcar.x431.com/qcar/>

Passenger Car Software Upgrade

Software	Version	Update Info
KIA	V45.51	<ol style="list-style-type: none">Summary Added support for the ADAS AX200 target prompt illustration. Optimized the ADAS PRO / ADAS MOBILE / ADAS PRO+ target prompt illustration. Optimized software structure.New Functions Added support for the ADAS AX200 target prompt illustration.Optimized Functions 1)Optimized the ADAS PRO / ADAS MOBILE / ADAS PRO+ target prompt illustration. 2)Optimized software structure.Fixed Bugs None
RENAULT	V43.55	<ol style="list-style-type: none">Summary Optimized basic functions for 26 systems (such as the engine, ABS, A/C, airbag, instrument panel, A/T, and central control unit) of KWID, TRIBER, CLIO V, CAPTUR II, CAPTUR II CN, ARKANA CN, MEGANE IV PH2, TALISMAN SM6 PH2, XM3, MASTER III, TWINGO III, etc.New Functions Optimized basic functions for 26 systems (such as the engine, ABS, A/C, airbag, instrument panel, A/T, and central control unit) of KWID, TRIBER, CLIO V, CAPTUR II, CAPTUR II CN, ARKANA CN, MEGANE IV PH2, TALISMAN SM6 PH2, XM3, MASTER III, TWINGO III, etc.Optimized Functions NoneFixed Bugs None
IMM_VOLVO	V10.02	<ol style="list-style-type: none">Summary Added anti-theft matching functions for 9 LYNKCO models.New Functions Added smart key anti-theft matching functions of 01、 01 Hybrid、 02、 02 Hatchback、 03、 03+、 03 Hybrid、 05、 05 Hybrid.Optimized Functions Optimize volvo auto scan function.

		<p>4. Fixed Bugs</p> <p>None</p>
PEUGEOT	V43.85	<p>1. Summary</p> <p>Added support for LANDTREK, PARTNER 2 Iran-AMLAT(M59). Added special functions for the auxiliary heating system, motor management electric control units, electric/hybrid driveline monitor system, on-board charger/DC transformer assembly, and rear motor system of multiple models. For Bipper, optimized basic functions for 14 systems such as engine, gearbox, and ABS.</p> <p>2. New Functions</p> <p>1) Added support for LANDTREK, PARTNER 2 Iran-AMLAT(M59).</p> <p>2) Added special functions for the auxiliary heating system BECH of 508(R8), 508L(R83), RIFTER(K9), and PARTNER(K9).</p> <p>3) Added special functions for the motor management electric control units MCU_ECMP and MCU_PHEV of the following models: 208(P21), 2008(P24), EXPERT(K0), TRAVELLER, 508(R8), 508L(R83), 3008(P84), 4008 (P84C), 5008 (P87).</p> <p>4) Added special functions for the electric/hybrid driveline monitor system VCU_EMS8000 of the following models: 508(R8), 508L(R83), 3008(P84), 4008 (P84C), 5008 (P87).</p> <p>5) Added special functions for the on-board charger/DC transformer assembly OBC_DCDC_PHEV of the following models: 508(R8), 508L(R83), 3008(P84), 4008 (P84C), 5008 (P87).</p> <p>6) Added special functions for the rear motor system RMCU_PHEV of the following models: 508(R8), 508L(R83), 3008(P84), 4008 (P84C), 5008 (P87).</p> <p>3. Optimized Functions</p> <p>1) For Bipper, optimized basic functions for 14 systems such as engine, gearbox, and ABS.</p> <p>2) Optimized the data stream and actuation test functions for 208(P21), 2008(P24), and 308 TX9.</p> <p>4. Fixed Bugs</p> <p>None</p>
HUACHEN	v30.71	<p>1. Summary</p> <p>Solved the problem that reading fault code of JinBei DaLiShen Serials, JinBei ZiSang S30 Serials, MS3 did not show fault codes.</p> <p>2. New Functions</p> <p>None</p> <p>3. Optimized Functions</p> <p>None</p> <p>4. Fixed Bugs</p> <p>Solved the problem that reading fault code of JinBei DaLiShen Serials' EMS, JinBei ZiSang S30 Serials' PEPS, MS3 's BCM did not show fault codes.</p>
VW	V28.85	<p>1. Summary</p> <p>Added the coolant change function for some car models. Optimized the ADAS (Advanced Driver Assistance System) calibration function. Optimized the actuation test, DTC clearing, and basic adjustment functions for some systems. Optimized the data of online coding,</p>

		<p>online safety login, and online programming. Optimized the processes of online programming, online matching, and calibration.</p> <p>2. New Functions Added the coolant change function for some car models.</p> <p>3. Optimized Functions 1) Optimized the ADAS (Advanced Driver Assistance System) calibration function. 2) Optimized the actuation test function for some car models. 3) Optimized the DTC clearing function for some systems. 4) Optimized the data of online coding, online safety login, and online programming. Optimized the processes of online programming, online matching, and calibration. 5) Optimized the basic adjustment function for some car model systems.</p> <p>4. Fixed Bugs None</p>
LANDROVER	V34.20	<p>1. Summary Added basic functions and special functions for 2022MY Range Rover, Range Rover Sport, Range Rover Evoque II, Range Rover Velar, Defender, Discovery, Discovery Sport, XF, XE, I-PACE, E-PACE, F-PACE, etc. Added 14 special functions (such as filling coolant pump, auxiliary heater regular preparation, evaporator and heater test, cabin circuit filling, and compressor enable check) for car models as of 2017. Fixed the known function bugs.</p> <p>2. New Functions 1) Added basic functions and special functions for 2022MY Range Rover, Range Rover Sport, Range Rover Evoque II, Range Rover Velar, Defender, Discovery, Discovery Sport, XF, XE, I-PACE, E-PACE, F-PACE, etc. 2) Added 14 special functions (such as filling coolant pump, auxiliary heater regular preparation, evaporator and heater test, cabin circuit filling, and compressor enable check) for car models as of 2017.</p> <p>3. Optimized Functions None</p> <p>4. Fixed Bugs Fixed the known function bugs.</p> <p>5. Optimized Service Functions None</p>
MAZDA	V43.00	<p>1. Summary Added support for ADAS AX200.</p> <p>2. New Functions Added support for ADAS AX200.</p> <p>3. Optimized Functions Optimized BMS system scanning</p> <p>4. Fixed Bugs None</p>
EV_LIXIANG	V10.30	<p>1. Summary Added the text libraries in English.</p> <p>2. New Functions None</p>

		3. Optimized Functions None 4. Fixed Bugs None
RESET PROG	V10.60	1. Summary Added ECU read and write function for 13 DELCO engine models, added ECU read and write function for 12 DELCO transmission models, added MCU read and write function for 1 Renesas single-chip computer model. 2. New Functions 1) Added ECU read and write function for 13 DELCO engine models, including E37, E38, E39A, E67, E78, E80, E82, E83, E84, E87, E92, E98 and T87; 2) Added ECU read and write function for 12 DELCO transmission models, including 6L45, 6L50, 6L80, 6L90, 6T30, 6T35, 6T40, 6T45, 6T50, 6T70, 6T75 and 6T80; 3) Added MCU read and write function for Renesas single-chip computer model R7F701033. 3. Optimized Functions None 4. Fixed Bugs None
IMM_ NISSAN	V11.01	1. Summary Added the functions of online programming and code setting for Nissan; optimized the 2017 March anti-theft function; optimized the software prompts. 2. New Functions Added the functions of online programming and code setting for Nissan. 3. Optimized Functions 1)Optimized the 2017 March anti-theft function. 2)Optimized the software prompts. 4. Fixed Bugs None
IMM_ TOYOTA	V10.04	1. Summary Added the function of all 4A smart keys lost, matching and clearing for 2018-2021 Toyota. Supported vehicle models Corolla, Levin, Lingshang and Allion. 2. New Functions Added the function of all 4A smart keys lost, matching and clearing for 2018-2021 Toyota. 3. Optimized Functions None 4. Fixed Bugs None
WM Motor	V11.15	1. Summary Add English version;Optimized Special functions and Information Configuration; 2. New Functions Add English version; 3. Optimized Function Optimized Special functions(including VIN Registration, Tire Pressure Reset,Airbag Reset,Angle sensor calibration, etc.) and Information Configuration;

		<p>4. Fixed Bugs</p> <p>None</p>
SEAT	V28.35	<p>1. Summary</p> <p>Added basic functions and special functions for systems of some 2020-2022 car models. Updated the data for performing the functions Read Data Streams, Basic Configuration, Matching, Actuation Test, Login, and Coding by Channel Number. Added the special functions including matching adaptive cruise control, automatic A/C initialization, GPF regeneration, high voltage battery health detection, and tire pressure reset for some models. Optimized the ADAS (Advanced Driver Assistance System) function for some models. Optimized the anti-theft function, air suspension matching, long code, subsystem coding, steering angle learning, DPF function, etc. Updated the data of online coding, online safety login, and online programming. Optimized the processes of online programming, online matching, and calibration. Fixed the time algorithm bug in some freeze frames.</p> <p>2. New Functions</p> <p>1) Added basic functions and special functions for systems of 2020-2022 Alhambra, Altea, Arona, Arosa, Ateca, Cordoba, Exeo, Formentor, Ibiza, Inca, Leon, etc.</p> <p>2) Updated the data for performing the functions Read Data Streams, Basic Configuration, Matching, Actuation Test, Login, and Coding by Channel Number.</p> <p>3) Added the special functions including matching adaptive cruise control, automatic A/C initialization, GPF regeneration, high voltage battery health detection, and tire pressure reset for some car models.</p> <p>4) Added the advanced version information function for some systems.</p> <p>5) Added the SFD (vehicle diagnosis protection) manual mode function for some systems.</p> <p>3. Optimized Functions</p> <p>1) Optimized the ADAS (Advanced Driver Assistance System) calibration function.</p> <p>2) Optimized the data of online coding, online safety login, and online programming. Optimized the processes of online programming, online matching, and calibration.</p> <p>3) Optimized the anti-theft function.</p> <p>4) Optimized the special functions such as headlight adjustment, injector matching, and air suspension matching.</p> <p>5) Optimized the long code and subsystem coding functions for some systems.</p> <p>6) Optimized the angle data stream reading in the steering angle learning function.</p> <p>6) Optimized the DPF (Diesel Particulate Filter) regeneration function for some car models.</p> <p>7) Optimized the online DTC help for some DTCs.</p> <p>8) Optimized the DTC reading for some car models.</p> <p>4. Fixed Bugs</p> <p>Fixed the time algorithm bug in some freeze frames.</p>
SKODA	V28.40	<p>1. Summary</p> <p>Added basic functions and special functions for systems of some 2020-2022 car models. Updated the data for performing the functions Read Data Streams, Basic Configuration, Matching, Actuation Test, Login, and Coding by Channel Number. Added the special functions including matching adaptive cruise control, automatic A/C initialization, GPF regeneration, high voltage battery health detection, service work, gearbox matching, DPF regeneration, and tire pressure reset for some models. Optimized the ADAS (Advanced</p>

		<p>Driver Assistance System) function for some models. Optimized the anti-theft function, air suspension matching, long code, subsystem coding, steering angle learning, DPF function, etc. Updated the data of online coding, online safety login, and online programming. Optimized the processes of online programming, online matching, and calibration. Fixed the time algorithm bug in some freeze frames.</p> <p>2. New Functions</p> <p>1) Added basic functions and special functions for systems of 2020-2022 car models such as Fabia, Kodiaq, Kamiq, Karoq, Octavia, Superb, Yeti, Rapid Spaceback, and Rapid.</p> <p>2) Updated the data for performing the functions Read Data Streams, Basic Configuration, Matching, Actuation Test, Login, and Coding by Channel Number.</p> <p>3) Added the special functions including matching adaptive cruise control, automatic A/C initialization, GPF regeneration, high voltage battery health detection, service work, gearbox matching, DPF regeneration, and tire pressure reset for some car models.</p> <p>4) Added the advanced version information function for some systems.</p> <p>5) Added the SFD (vehicle diagnosis protection) manual mode function for some systems.</p> <p>3. Optimized Functions</p> <p>1) Optimized the ADAS (Advanced Driver Assistance System) calibration function.</p> <p>2) Optimized the data of online coding, online safety login, and online programming. Optimized the processes of online programming, online matching, and calibration.</p> <p>3) Optimized the anti-theft function.</p> <p>4) Optimized the special functions such as headlight adjustment, injector matching, and air suspension matching.</p> <p>5) Optimized the long code and subsystem coding functions for some systems.</p> <p>6) Optimized the angle data stream reading in the steering angle learning function.</p> <p>7) Optimized the DPF (Diesel Particulate Filter) regeneration function for some car models.</p> <p>8) Optimized the online DTC help for some DTCs.</p> <p>9) Optimized the DTC reading for some car models.</p> <p>4. Fixed Bugs</p> <p>Fixed the time algorithm bug in some freeze frames.</p>
PORSCHE	V24.05	<p>1. Summary</p> <p>Optimized the ADAS (Advanced Driver Assistance System) calibration function and added the ADAS AX200 target. Added special functions for some car models. Optimized and updated the data of online coding, online programming, and VO retrofitting/refitting. Optimized the processes of online coding and online programming.</p> <p>2. New Functions</p> <p>1) For Cayenne-9YA (as of 2018), added the low-temperature circuit bleeding and A/C compressor running-in functions for the thermal management system, and the valve servo motor setting/checking and A/C compressor setting functions for the A/C system.</p> <p>2) For Panamera (971), added the low-temperature circuit bleeding and A/C compressor running-in functions for the thermal management system, and the valve servo motor setting/checking and A/C compressor setting functions for the A/C system.</p> <p>3) For Taycan, added cooling circuit emptying and filling, cooling circuit bleeding and A/C compressor running-in functions for the thermal management system, and the valve servo motor setting/checking function for the A/C system.</p>

		<ol style="list-style-type: none"> Optimized Functions <ol style="list-style-type: none"> Optimized the ADAS (Advanced Driver Assistance System) calibration function and added the ADAS AX200 target. Optimized and updated the data of online coding, online programming, and VO retrofitting/refitting. Optimized the processes of online coding and online programming. Fixed Bugs <p>Fixed the page refresh bug for some data streams.</p>
FIAT	V37.20	<ol style="list-style-type: none"> Summary <p>Added Basic Functions and Actuation Test for Models Giulia 2018-2021, Stelvio 2019-2021, 500X 2016-2022, 500BEV 2021, 500E 2015; Added Special Functions for year 2021 500X models, including BCM_TPM program left front tire sensor ID, BCM_TPM program spare wheel tire sensor ID, FOBIK ID acquire; Added Special Functions for year 2021 Toro model, including AV Signal Detection, Disable User Inputs, Reset Parameters to Default, EOL Audio Test.</p> New Functions <ol style="list-style-type: none"> Added Basic Functions for Models Giulia 2018-2021, Stelvio 2019-2021, 500X 2016-2022, 500BEV 2021, 500E 2015 Added Actuation Test for Models Giulia 2018-2021, Stelvio 2019-2021, 500X 2016-2022, 500BEV 2021, 500E 2015 Added Special Functions for year 2021 500X models, including BCM_TPM program left front tire sensor ID, BCM_TPM program spare wheel tire sensor ID, FOBIK ID acquire Added Special Functions for year 2021 Toro model, including AV Signal Detection, Disable User Inputs, Reset Parameters to Default, EOL Audio Test Optimized Functions <p>None</p> Fixed Bugs <p>None</p>
Maserati	V11.55	<ol style="list-style-type: none"> Summary <p>Added 2021 GHIBLI engine system special functions, ECM engine oil reset and engine oil level initialization. Optimized the Portuguese text.</p> New Functions <p>Added 2021 GHIBLI engine system special functions, ECM engine oil reset and engine oil level initialization.</p> Optimized Functions <p>Optimized the Portuguese text.</p> Fixed Bugs <p>None</p> Updates for Service Function <p>None</p>
FAW	v13.00	<ol style="list-style-type: none"> Summary <p>Added English test for 8 vehicle models, including Bestune B30, Bestune B30EV, Hongqi H7; fixed known fault.</p> New Functions <p>None</p> Optimized Functions

		None
		4. Fixed Bugs
		None

Heavy-Duty Truck Software Upgrade

Software	Version	Update Info
MAN	V16.10	1. Summary Added actuation test and special functions for the engine system, management computer, and operation and display system. Optimized data streams for some systems.
EV_HD_ GEELY	V10.20	1. Summary Added the 4.5T pure electric-LEO1, 4.5T pure electric LR08, 1.5 generation 4.5T pure electric light truck-G7E, and LC02H extended-range cost reduction project for Geely remote light truck.. 2. New Functions 1) Added version information reading, DTC reading, DTC clearing, data stream reading and special functions of MCU, BMS, OBC, BDCAC, SDCAC, DCDC, HCM, VCU, ABS, EPS, IC, WPC system for Geely remote light truck 4.5T pure electric-LEO1. 2) Added version information reading, DTC reading, DTC clearing, data stream reading and special functions of AVAS, AC, AVM, BCM, DMM, EPB, FCS, IC, MMI, PDC, TPMS, ABS, ACU, BMS, DCDC, SDCAC, EGSM, MCU, EPS, TBOX, VCU, PEPS, GW, SAS system for Geely remote light truck 4.5T pure electric LR08. 3) Added version information reading, DTC reading, DTC clearing, data stream reading and special functions of VCU, MCU, BMS, DCDC, SDCAC, TBOX, IC, ABS, WPC, AVAS, PTC system for Geely remote light truck 1.5 generation 4.5T pure electric-G7E. 4) Added version information reading, DTC reading, DTC clearing, data stream reading and special functions of VCU, MCU, BMS, HCM, DCDC, BDCAC, SDCAC, OBC, EMS, GCU, EGSM, ABS, EPB, BCM, PEPS, ESCL, TPMS, AVAS, AC, IC, MMI, TBOX, PDC, RCS, GW system for Geely remote light truck LC02H extended-range cost reduction project. 3. Optimized Functions None. 4. Fixed Bugs None
HD_ECU_ BD (BD means Calibration)	V10.30	1. Summary Added the calibration of WEICHAH WISE10A, WISE13C, WISE13D/13G, WISE13E, WISE13H, WISE13J and WISE13A, Optimized software structure. 2. New Functions Added the OEM variable, Fan control, Max vehicle speed limit function of WISE10A, WISE13C, WISE13D/13G, WISE13E, WISE13H, WISE13J and WISE13A 3. Optimized Functions Optimized software structure 4. Fixed Bugs

		None.
HD_MAN	V16.25	<ol style="list-style-type: none"> Summary Added actuation test function for MAN engine, added actuation test and special function for transmission system. Optimized software menu structure. New Functions <ol style="list-style-type: none"> Added actuation test for EDC MS6.4 engine system Added special function for GTR-AstE40-ZF transmission system Added actuation test and special function for GTR-SGC-Scania transmission system Optimized Functions Optimized software menu structure Fixed Bugs None
SCANIA	V15.30	<ol style="list-style-type: none"> Summary Optimize the software structure.Optimize data stream scanning. New Functions None Optimized Functions <ol style="list-style-type: none"> Optimize the software structure. Optimize data stream scanning. Fixed Bugs None .
HD_VDL	V10.01	<ol style="list-style-type: none"> Summary Added ADAS system and function New Functions Added system OnLane_LDW, Onguard Plus AEBS Optimized Functions None Fixed Bugs None.
HD_BENZ	V17.80	<ol style="list-style-type: none"> Summary Added actuation test and special function for truck and bus system New Functions <ol style="list-style-type: none"> Added truck system: NGT21T actuation test, SKRENR, ART, NR1 special function; Added special function for bus system: MPC, RDF, VRDU, SRRR, SRRL, EVOAGN01, ABA, SPAIL. Optimized Functions Optimized the software structure. Fixed Bugs None
HD_IRIZAR	V10.20	<ol style="list-style-type: none"> Summary Added ADAS system and function New Functions Added system OnLane_LDW, Onguard Plus AEBS

		<p>3. Optimized Functions None</p> <p>4. Fixed Bugs None.</p>
HD_SISU	V10.01	<p>1. Summary Added the related vehicle models for SISU truck</p> <p>2. New functions Added vehicle models for SISU truck: Polar I, Polar II</p> <p>3. Optimized functions Optimized the software structure</p> <p>4. Fixed bugs None</p>
HD_RENAULT	V11.90	<p>1. Summary Add ADAS system for Master and Maxity models.</p> <p>2. New Functions Add ADAS system for Master and Maxity models.</p> <p>3. Optimized Functions None.</p> <p>4. Fixed Bugs None.</p>
JL ISUZU	V13.31	<p>1. Summary Added some car models and systems. Added some actuation test and special functions for Teshun L500EV electric drive rear axle models and Teshun China VI (N526) models. Added some actuation test and special functions for Yuhu 5, Yuhu 7, Yuhu 9, and New Yusheng (S350) China VI. Optimized the DTCs and software structure.</p> <p>2. New Functions</p> <p>1) Added the SRS_EDR (Airbag) system for Baodian series (new), ICS (Gear Controller) system for Classic Yuhu, ABS9 system for new Yuhu, MP5 (Entertainment System) and EMS (Engine Management System China VI) system for Yuhu 7, and JX493 engine Euro IV system for Kaiyun upgrade edition N720.</p> <p>2) Added the following systems for N625: EMS (Engine Management System), ICM (Instrument Cluster Module) CN5, ICM (Instrument Cluster Module) CN6, ABS (Anti-lock Brake System - Air Brake_CAN line), ABS (Anti-lock Brake System - Hydraulic Brake), TBOX (Remote Control Device) CN5 and TBOX (Remote Control Device) CN6</p> <p>3) Added the following systems for N825: ABS (Anti-lock Brake System - Air Brake_CAN line), EMS (Engine Management System), ICM (Instrument Cluster Module), TBOX (Remote Control Device), ICM (Instrument Cluster Module China VI)</p> <p>4) Added basic functions for the ESP (Electronic Stability Program) system of Yuhu EV, IMMO (Immobilizer Receiver) of Yuhu EV_ICA, IPM (Front View Monocular Camera) of 493 China VI N822_D28, BCM (Body Control Module) of N625, and BCM (Body Control Module) of N825</p> <p>5) For Teshun L500EV electric drive rear axle models, added actuation test for the ABS (Anti-lock Brake System), NBS (Electric Control Booster with Brake Master Cylinder Assembly), SCU (Shift Control Unit), and SRS (Supplemental Restraint System), added</p>

		<p>special functions for the AC (A/C Controller), BMS (Battery Management System), ICM (Instrument Cluster Module), TBOX (Remote Control Device), and TPMS (Tire Pressure Monitoring System), added actuation test and special functions for the BCM (Body Control Module) and VCU (Vehicle Control Unit)) systems.</p> <p>6) For Teshun China VI (N526) models, added actuation test for the ABS (Anti-lock Brake System), added special functions for the TBOX (Remote Control Device), ICS (Electronic Clutch), and TPMS (Tire Pressure Monitoring System), added actuation test and special functions for the BCM (Body Control Module), ICM (Instrument Cluster Module), SRS (Supplemental Restraint System), and SRS_EDR (Airbag) systems.</p> <p>7) For Yuhu 5, added actuation test and special functions for the TONGZHI - BCM (Body Control Module) and ABS (Anti-lock Brake System), added special functions for Visteon - Instrument Cluster (IC), TBOX (Remote Control Device), and TPMS (Tire Pressure Monitoring System).</p> <p>8) For Yuhu 7, added actuation test and special functions for the body control module (BCM9), ABS (Anti-lock Brake System), 8AT PEPS (Passive Entry & Passive Start Module, 8-Speed) and APM (Ripple Anti-pinch Module), added special functions for the TCU (Transmission Control Unit), IC (Instrument Cluster), TBOX (Remote Control Device), IMMO (Immobilizer Module), TPMS (Tire Pressure Monitoring System), ESP (Electronic Stability Program), all-wheel drive module (MT AWD) and MP5 (Entertainment System), added actuation test for the A/C control module (AC9).</p> <p>9) For Yuhu 9, added actuation test and special functions for the 8AT PEPS (Passive Entry & Passive Start Module, 8-Speed), BCM (Body Control Module), and APM (Ripple Anti-pinch Module), added special functions for the TCU (Transmission Control Unit), ESP (Electronic Stability Program), all-wheel drive module (MT AWD), MP5 (Entertainment System), PEPS (Passive Entry & Passive Start Module), IC (Instrument Cluster), RTM (Radio Transceiver Module), TBOX (Remote Control Device), and GW (Gateway).</p> <p>10) For New Yusheng (S350) China VI, added actuation test and special functions for the APM (Ripple Anti-pinch Module) and BCM (Body Control Module), added special functions for the TCU (Transmission Control Unit), ESP (Electronic Stability Program), all-wheel drive module (MT AWD), MP5 (Entertainment System), PEPS (Passive Entry & Passive Start Module), IC (Instrument Cluster), RTM (Radio Transceiver Module), TBOX (Remote Control Device), and GW (Gateway).</p> <p>3. Optimized Functions Optimized the DTCs and the software structure.</p> <p>4. Fixed Bugs None</p>
HD_AGCO	V10.10	<p>1. Summary Added some actuation test and special function of engine</p> <p>2. New Functions Added some actuation test and special function of engine, such as Engine Compression Test, Cylinder Cut-Out Test, DPF Regeneration, SCR Catalyst Cleanup, Catalyst Exchange, Injector Calibration and so on.</p> <p>3. Optimized Functions None.</p>

		4. Fixed Bugs None.
HD_ECU	V12.10	1. Summary Add BOSCH and KAILONG SCR and ShangChai Denso engine system flashing function. 2. New Functions 1) Add SANYI BOSCH E6 MD1 system flashing function. 2) Add SANYI E6 EQ15_2 engine system flashing function.. 3) Add SANYI BOSCH E5 EDCVC4454 system flashing function. 4) Add SANYI E5 EQ15 engine system flashing function. 5) Add SANYI KAILONG E6 SCR system flashing function. 6) Add ShangChai BOSCH E6 system flashing function. 7) Add ShangChai Denso E6 system flashing function. 3. Optimized Functions None 4. Fixed Bugs None.
HD_VOLVO_CE (Construction Equipment)	V10.30	1. Summary Added Actuation Test and Special Function. 2. New Functions 1) Added 43 functions for Actuation Test: Exhaust Gas Recirculation Function; Pressure Relief Valve, Reset, etc; 2) Added 4 functions for Special Function: Unit Pump, Calibration; EGR actuator, calibration, etc; 3. Optimized Functions None. 4. Fixed Bugs None.