LAUNCH

Diagnostic Software Update in March 2023

Diagnostic software coverage is available in the following link:

https://qcar.x431.com/qcar/

Passenger Car Software Upgrade

Software	Version	Update Info
RENAULT	V43.65	1. Summary Optimized basic functions for 26 systems (such as the engine, ABS, A/C, airbag, instrument panel, A/T, and central control unit) of ALPINE A110, CAPTUR II, CLIO V,DUSTER PH3, MASTER III, MEGANE IV PH2, MEGANE IV SEDAN ph2, MEGANE IV SEDAN, MEGANE IV, NEW ZOE, XM3, NEW SANDERO/LOGAN. Added special function menus. Fixed the PCBU code display bug. Optimized the safety gateway unlocking function. 2. New Functions 1) Optimized basic functions for 26 systems (such as the engine, ABS, A/C, airbag, instrument panel, A/T, and central control unit) of ALPINE A110, CAPTUR II, CLIO V,DUSTER PH3, MASTER III, MEGANE IV PH2, MEGANE IV SEDAN ph2, MEGANE IV SEDAN, MEGANE IV, NEW ZOE, XM3, NEW SANDERO/LOGAN. 2) Added special function menus. 3) Fixed the PCBU code display bug. Optimized the safety gateway unlocking function. 3. Optimized Functions None 4. Fixed Bugs None
BMS (Special Function)	V10.20	1. Summary Added the battery pack configuration information Optimized the software structure. 2. New Functions New lssue BMS software 3. Optimized Functions None 4. Fixed Bugs None
AUDI	V28.92	1. Summary Optimized the ADAS (Advanced Driver Assistance System) calibration function; Optimized software structure. 2. New Functions None 3. Optimized Functions 1) Optimized the ADAS (Advanced Driver Assistance System) calibration function; 2) Optimized software structure; 4. Fixed Bugs None
MT_POLARIS (MotorCycle)	V10.01	1. Summary Added the functions of DTC, version information and data stream reading of all systems for models such as POLARIS series 2006-2021 ATV, RANGER, Snow and RZR etc. 2. New Functions Added the functions of DTC, version information and data stream reading of systems ENG, Power Steering, ABS and Meter etc. for models such as POLARIS series 2006-2021 ATV, RANGER, Snow and RZR etc. 3. Optimized Functions None 4. Fixed Bugs None

INDIAN MAHINDRA	V14.40	1. Summary BS6 Engine Management System Specical Functions Optimization. Fix problem of BS6 Immo function. 2. New Functions None 3. Optimized Functions BS6 Engine Management System Specical Functions Optimization. 4. Fixed Bugs Fix problem of BS6 Immo function.
MITSUBISHI	V34.52	1. Summary Added special functions for each system of OUTLANDER(GM#). Optimized the data stream function and special functions for some systems. 2. New Functions Added special functions for each system of OUTLANDER(GM#). 3. Optimized Functions 1)Optimized the engine system DPF regeneration and small injection learning functions. 2)Optimized the data stream function for the BMU (Battery Management Unit) system. 4. Fixed Bugs None
BENZ	V50.00	1. Summary Added speed scanning for topology and optimized rapid test 2. New Functions None 3. Optimized Functions Added speed scanning for topology and optimized rapid test 4. Fixed Bugs None
IMM_MAZDA (IMMO Software)	V10.15	1. Summary Added functions of Key Matching and Parameters Reset for MAZDA3, MAZDA6, CX-3, CX-4, CX-5, CX-8, CX-9 and more models in the year of 2017-2020. 2. New Functions None 3. Optimized Functions None 4. Fixed Bugs None
BENZ	V50.01	1. Summary Added speed scanning for topology and optimized rapid test 2. New Functions None 3. Optimized Functions Added speed scanning for topology and optimized rapid test 4. Fixed Bugs None
KOREA KIA	V10.50	1. Summary Added new system functions of 23 new models from 2020 to 2021, added illustration tips for placement of ADAS calibration equipment, and optimized the software structure. 2. New Functions 1)Added the functions of ENGINE/AT/ABS/ SRS/AC/BCM/TPMS/EPB/Smart Key and other systems for 23 new models from 2020 to 2021, the models include Bongo3 EV(PU EV), Bongo3-Truck(PU11), Carnival(YP), Carnival(KA4), K3(BD), K5 HEV(DL3 HEV), K5(DL3), K5(JF), K7 HEV(YG HEV), K7(YG), K9(RJ), Mohave(HM), Niro(DE EV), Picanto/Morning(JA), RAY(TAM), Sorrento HEV (MQ4 HEV), Sorrento(MQ4), Seltos(SP2), Soul(SK3), Soul EV (SK3 EV), Sportage(QL), Stinger(CK) and Stonic(YB CUV). 2)Added illustration tips for placement of ADAS calibration equipment. 3. Optimized Functions Optimized the software structure. 4. Fixed Bugs None
CHANG AN	V17.70	1. Summary Added special functions for 6 vehicle models CS85 2022, second-generation CS75 PLUS, CS75 PLUS(2022), new CS75 Blue Core version, new Raeton CC Blue Core version 2022 and new Eado PLUS(2022) 2. New Functions special functions for 6 vehicle models CS85 2022, second-generation CS75 PLUS, CS75 PLUS(2022), new CS75 Blue Core version, new Raeton CC Blue Core version 2022 and new Eado PLUS(2022) 3. Optimized Functions None 4. Fixed Bugs None

BMS (Special Function)	V10.21	1. Summary Added the battery pack configuration information Optimized the software structure. 2. New Functions New lssue BMS software 3. Optimized Functions None 4. Fixed Bugs None
OPEL	V43.00	1. Summary Added diagnostic functions including version information, DTC reading, DTC clearing, data stream reading, actuation test and special functions for 4 models, 2022 Astra-k, Crossland X, Insignia-B, and 2023 Crossland X. 2. New Functions Added diagnostic functions including version information, DTC reading, DTC clearing, data stream reading, actuation test and special functions for 4 models, 2022 Astra-k, Crossland X, Insignia-B, and 2023 Crossland X. 3. Optimized Functions None 4. Fixed Bugs None
SPRINTER	V21.50	1. Summary Added the functions Read DTCs and Clear DTCs for the following modules under chassis 907 and 910: VGS‑ completely integrated transmission control, VG‑ transfer case, SCR- selective catalytic reduction system, BMS-N82/2 (battery management system control unit), PTCU- drive system, KEP-TAS- door drive system, MTAS‑ mobile telephone holder module. Added the functions Read DTCs and Clear DTCs for the following modules under chassis 447 and 448: MRD1NFZ engine control module, ESP- electronic stability program, BMS-N82/2 (battery management system control unit), PTCU- drive system, IRS-HRA‑ external RR smart radar sensor system, IRS-HLA- external RL smart radar sensor system, RFK‑ reversing camera, electronic control air suspension system, SCR- selective catalytic reduction system, sound system 2. New Functions 1) Added the following special function for the PTCU- drive system under chassis 447, 448, 907, and 910: reset active service prompt system (ASSYST) 2) Added the functions Read DTCs and Clear DTCs for the following modules under chassis 907 and 910: VGS‑ completely integrated transmission control, VG‑ transfer case, SCR- selective catalytic reduction system, BMS-N82/2 (battery management system control unit), PTCU- drive system, MBAC-N175 (Mercedes-Benz advanced controller control unit), N12/2 (sounder control unit), DC-N24/6 (DC charging connection device), SG-EM- power electronic unit, OLU- on-board logic unit, KEP-TAS- door drive system, MTAS‑ mobile telephone holder module 3) Added the functions Read DTCs and Clear DTCs for the following modules under chassis 447 and 448: MRD1NFZ engine control module, ESP- electronic stability program, BMS-N82/2 (battery management system control unit), PTCU- drive system, DC-N24/6 (DC charging connection unit), SG-EM- power electronic unit, RD‑ radio, IRS-HRA‑ external RR smart radar sensor system, IRS-HLA- external RL smart radar sensor system, RFK‑ reversing camera, electronic control air suspension system, SCR- selective catalytic reduction system, sound system 3. Optimized Functions None 4. Fixed Bugs Fixed the following special functions for the CRD3NFZ engine system of 906 (as of 2013): DPF regeneration in stationary status, DPF regeneration during driving
VW	V28.91	1. Summary Added speed scanning; Optimized the ADAS (Advanced Driver Assistance System) calibration function; Optimized software structure. 2. New Functions Added speed scanning; 3. Optimized Functions 1) Optimized the ADAS (Advanced Driver Assistance System) calibration function; 2) Optimized software structure; 4. Fixed Bugs None
CHRYSLER	V34.10	1. Summary Completed BCM, PCM, ABS, TCM system basic function and special function for year 2018-2022 model. 2. New Functions None 3. Optimized Functions 1) Added or completed basic function for year 2022 ProMaster, 2023 Compass, 2022 Pacifica, 2021 Ram 1500, 2019 Journey, 2021 Grand Cherokee, 2021 Compass, 2022 Renegade, 2019 Cherokee, 2021 ProMaster City, 2022 Gladiator, 2022 Durango model. 2) Added or completed special functions including Max Vehicle Speed Adjustment, Steering Angle Calibration/Control unit replacement, Electric Park Brake management, Atmosphere Valve Actuator Test for system PCM, AMP, RADIO, ASCM, ABS, EPS. 4. Fixed Bugs

		None
SUBARU	V25.10	1. Summary Added support for 2023 Legacy, Liberty, Outback, Impreza, XV, Crosstrek, Forester, ASCENT, EVOLTIS and BRZ; Added functions such as Selection of parameter, Confirm on parameter, EGR Dirt Learning Value Reset, Clear ISA Records, Wide Angle Mono Camera-Optical Axis Adjustment and Wide Angle Mono Camera All Initialization etc. 2. New Functions 1)Added support for 2023 Legacy, Liberty, Outback, Impreza, XV, Crosstrek, Forester, ASCENT, EVOLTIS and BRZ 2)Added functions such as Selection of parameter, Confirm on parameter, EGR Dirt Learning Value Reset, Clear ISA Records, Wide Angle Mono Camera-Optical Axis Adjustment and Wide Angle Mono Camera All Initialization etc. 3. Optimized Functions Optimized the software structure. 4. Fixed Bugs 1)Fix the ODS system entry issue 2)Fix the RADAR Alignment function
HAINAN MAZDA	V13.25	1. Summary Fixed The function of Maintenance Lamp Return To Zero issue in Haima 8S model. 2. New Functions None. 3. Optimized Functions None. 4. Fixed Bugs Fixed The function of Maintenance Lamp Return To Zero issue in Haima 8S model.
TRUMPCHI	V11.90	1. Summary Added special functions for GS3 POWER. 2. New Functions Added 25 special functions including the following for the car model GS3 POWER:Replace Low Voltage Accumulator,Clear GPF accumulated carbon,Replace GPF differential pressure sensor,Exiting manufacture mode,Rewrite the new EMS into the GPF routine,KP self-learning of DCT transmission,DCT transmission IP self-learning,Self learning of DCT transmission synchronizer,Enable EPB (Electronic Parking Brake) both side caliper ,Release EPB (Electronic Parking Brake) both side caliper ,Replacement of EPB brake pad,EPB exit from service mode,EPB assembly check,Corner Angle Sensor Calibration,Yaw Angle Sensor Calibration,Brake Bleeding,Read SRS Information,deactivation,Zero point calibration,PDC torque compensation value reset,ICM Mileage values initialized,TPMS Calibration,PEPS Antenna Self Test,rear view after sale,IFC Dynamic Calibration. 3. Optimized Functions None 4. Fixed Bugs None
BAIC	V11.90	1. Summary Added the basic functions and special functions and perfected some software problems for new energy ARCFOX αS and ARCFOX αT vehicle models. 2. New Functions 1)Added special functions such as version information, DTC reading, frozen frame reading, DTC clearing, data stream reading, actuation test, steering angle learning, service reset and anti-theft matching for 90 systems of 2 vehicle models ARCFOX αS and ARCFOX αT. 2)Perfected the functions for vehicle models such as BJ40 Daofeng Yingxiong (Diesel China VI) etc. 3. Optimized Functions None. 4. Fixed Bugs None.
IMM_PEUGEOT （IMMO Software）	V10.22	1. Summary Improve multilingual translation. 2. New Functions None 3. Optimized Functions Improve multilingual translation of Russian, Spanish, Portuguese, German, French, Korean, Arabic, Italian and Japanese. 4. Fixed Bugs None
IMM_CITROEN （IMMO Software）	V10.22	1. Summary Improve multilingual translation. 2. New Functions None 3. Optimized Functions Improve multilingual translation of Russian, Spanish, Portuguese, German, French, Korean, Arabic, Italian and Japanese. 4. Fixed Bugs None

Heavy-Duty Truck Software Upgrade

Software	Version	Update Info
HD_ MERCURY_ ENGINE	V10.01	1. Summary The system function of the data of version information and the function of read trouble codes and the function of read Datastream are added. 2. New Functions The system function of the data of version information and the function of read trouble codes and the function of read Datastream are added. 3. Optimized Functions None 4. Fixed Bugs None
HD_ LIEBHERR	V10.01	1. Summary Added diagnostic support for L-series machines. 2. New Functions None. 3. Optimized Functions None. 4. Fixed Bugs None.
HD_TATA	V10.30	1. Summary Added basic functions for related systems of HD_TATA. 2. New Functions 1) Added basic functions for DCM 7.1. 2) Added basic functions for EMS. 3) Added basic functions for IC IIL. 4) Added basic functions for RPAS. 5) Added basic functions for TCU. 6) Added basic functions for VECU. 7) Added basic functions for Wabco ABS. 3. Optimized Functions None 4. Fixed Bugs None
HD_BENZ	V18.10	1. Summary Added actuation test and special functions of some systems 2. New Functions 1) Perfected actuation test and special functions of passenger car MCM-engine management system 2) Perfected actuation test of passenger car ACM-exhaust gas treatment system 3) Perfected actuation test and special functions of truck FR-driver control system 4) Perfected special functions of truck CPC-driving control system 3. Optimized Functions None 4. Fixed Bugs None
HD_ AHLMANN	V10.01	1. Summary Added Diagnostic Support for Ahlmann, including AZ Series, AFT Series, AFW Series, ASC Series, AV Series. 2. New Functions Added Diagnostic Support for Ahlmann, including AZ Series, AFT Series, AFW Series, ASC Series, AV Series. 3. Optimized Functions None. 4. Fixed Bugs None.
HD_AMMANN	V10.01	1. Summary Added Diagnostic Support for Ammann, including AFT Series, AFW Series, ASC Series, AV Series. 2. New Functions Added Diagnostic Support for Ammann, including AFT Series, AFW Series, ASC Series, AV Series. 3. Optimized Functions None. 4. Fixed Bugs None.
HD_ASV	V10.01	1. Summary Added Diagnostic Support for ASV, including RT Series. 2. New Functions Added Diagnostic Support for ASV, including RT Series.

		3. Optimized Functions None. 4. Fixed Bugs None.
HD_ BELARUS_ MTZ	V10.01	1. Summary Added Diagnostic Support for BELARUS_MTZ, including 3000 Series. 2. New Functions Added Diagnostic Support for BELARUS_MTZ, including 3000 Series. 3. Optimized Functions None. 4. Fixed Bugs None.
HD_HATZ	V10.01	1. Summary Add functions such as version information,fault code and datastream of HATZ engine system. 2. New Functions Add functions such as version information,fault code and datastream of HATZ engine system. 3. Optimized Functions None 4. Fixed Bugs None
HD_HYUNDAI	V11.80	1. Summary Added system and year support. Optimized menus and the software structure. 2. New Functions Added the special functions of the following systems: D6HA(H-ENG) D6CC(L-ENG OBD1) D6CC(L-ENG) D6CB D6CB(L-ENG) D6CA(L-ENG) D6CA 3. Optimized Functions None 4. Fixed Bugs None
KOMATSU	V10.01	1. Summary Added Diagnostic Support for Komatsu, including CK Series, D Series, GD Series, HB Series, HD Series, HM Series, PC Series, PW Series, SK Series, WA Series, WB Series. 2. New Functions Added Diagnostic Support for Komatsu, including CK Series, D Series, GD Series, HB Series, HD Series, HM Series, PC Series, PW Series, SK Series, WA Series, WB Series. 3. Optimized Functions None 4. Fixed Bugs None.
HD_ATLAS	V10.01	1. Summary Added Diagnostic Support for ATLAS, including 190W Series, 220LC Series, 220W Series, 240LC Series, 250MH Series, 260LC Series, 270MH Series, 300MH Series, L210 Series, L260 Series, L310 Series. 2. New Functions Added Diagnostic Support for ATLAS, including 190W Series, 220LC Series, 220W Series, 240LC Series, 250MH Series, 260LC Series, 270MH Series, 300MH Series, L210 Series, L260 Series, L310 Series. 3. Optimized Functions None. 4. Fixed Bugs None.
HD_BOMAG	V10.01	1. Summary Added Diagnostic Support for BOMAG, including BMF 2500 Series,BW 200 Series,RS 360 Series. 2. New Functions Added Diagnostic Support for BOMAG, including BMF 2500 Series,BW 200 Series,RS 360 Series. 3. Optimized Functions None. 4. Fixed Bugs None.
HD_BRANSON	V10.01	1. Summary Added Diagnostic Support for BRANSON, including 5220C, 5220Ch, 5220R, 5530, 5530R, 6530, 6530C, 6530R. 2. New Functions Added Diagnostic Support for BRANSON, including 5220C, 5220Ch, 5220R, 5530, 5530R, 6530, 6530C, 6530R. 3. Optimized Functions None. 4. Fixed Bugs None.