LAUNCH

Diagnostic Software Update in December 2022

Diagnostic software coverage is available in the following link:

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

Passenger Car Software Upgrade

Software	Version	Update Info
MAZDA	V43.10	1. Summary Added basic functions for 2022-2023 models such as CX-5, CX-50, CX-9, MAZDA3, and MAZDA6. 2. New Functions Added basic functions for 2022-2023 models such as CX-5, CX-50, CX-9, MAZDA3, and MAZDA6. Added offline special functions such as Calibration for Passenger Seat Sensor. 3. Optimized Functions Optimized the DTC clearing process 4. Fixed Bugs None
BMS RESET	V10.15	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
RENAULT	V43.63	1. Summary Added fault help function. Added security gateway unlock function for vehicle year model after 2020 2. New Functions 1) Added fault help function. 2) Added security gateway unlock function for vehicle year model after 2020 3. Optimized Functions None 4. Fixed Bugs None
IMM_PEUGEOT	V10.20	1. Summary Added the function of reading all keys lost anti-theft passwords of 9 engine ECU types. 2. New Functions Added the function of reading all keys lost anti-theft passwords of 9 engine ECU types，such as EDC15C2, EDC16C34, ME744, ME745, EDC17C10, EDC17C60, EDC17CP42, MED17.4 and MED17.4.4. 3. Optimized Functions None 4. Fixed Bugs None
IMM_CITROEN	V10.20	1. Summary Added the function of reading all keys lost anti-theft passwords of 9 engine ECU types. 2. New Functions Added the function of reading all keys lost anti-theft passwords of 9 engine ECU types，such as EDC15C2, EDC16C34, ME744, ME745, EDC17C10, EDC17C60, EDC17CP42, MED17.4 and MED17.4.4. 3. Optimized Functions None

		4. Fixed Bugs None
FAW	v13.10	1. Summary Added the Chinese test for Hongqi HQ9. Added the English test for 9 models such as Hongqi E-HS9 and Bestune T77. 2. New Functions 1).Added the Chinese test for 47 ECUs of Hongqi HQ9. 2).Added the English test for 61 ECUs of Hongqi E-HS9, 36 ECUs of Hongqi HS5, 44 ECUs of Hongqi HS7 (Special For 3 .0T Model), 33 ECUs of Hongqi HS7 (Special For 2 .0T Model), 33 ECUs of Hongqi H5 (2020-2022), 46 ECUs of Hongqi H9, and 48 ECUs of Hongqi H9 (For 2022 Models And Extended Models). 3). Added the English test for 22 ECUs of Bestune T77, 14 ECUs of Bestune X40. 3. Optimized Functions Optimized the diagnostic software. 4. Fixed bugs None
NISSAN	V45.10	1. Summary New supported models: 2020 Note e-POWER/Aura; 2021 e-POWER SYLPHY, ARIYA; 2022 Sakura; 2023 NISSAN Z; added the 200 functions such as actuation test, special functions and DTC support functions for 2023 INFINITI Q50, INFINITI QX50, INFINITI QX60, LEAF, MAXIMA, MURANO, PATHFINDER, ROGUE T33, TITAN, NISSAN Z and 2022 X-TRAIL HT33, QASHQAI, KICKS, INFINITI QX80, JUKE, and SENTRA B18 etc.; added the common special functions for NISSAN; the data of basic functions, actuation test and special functions for NISSAN vehicle series will be supported until 2023; the coding data and programming data are supported until October 2022; optimized the anti-theft function prompt information for TEANA, SYLPHY and X-TRAIL etc.; optimized and perfected some test issues. 2. New Functions 1)New supported models: 2020 Note e-POWER/Aura; 2021 e-POWER SYLPHY, ARIYA; 2022 Sakura; 2023 NISSAN Z. 2)Added the 200 functions such as actuation test, special functions and DTC support functions for 2023 INFINITI Q50, INFINITI QX50, INFINITI QX60, LEAF, MAXIMA, MURANO, PATHFINDER, ROGUE T33, TITAN, NISSAN Z and 2022 X-TRAIL HT33, QASHQAI, KICKS, INFINITI QX80, JUKE, and SENTRA B18 etc. 3)Added the common special functions for NISSAN For example: service lamp reset, steering angle learning, brake pad replacement, tire pressure reset, battery replacement, ABS bleeding, DPF regeneration, injector coding, transmission learning, throttle learning and headlamp matching etc. 4)The data of basic functions, actuation test and special functions for NISSAN vehicle series will be supported until 2023. 5)The coding data and programming data are supported until October 2022. 3. Optimized Functions 1)Optimized the Version Information, DTC and Data Stream function. 2)Optimized the anti-theft function prompt information for TEANA, SYLPHY and X-TRAIL etc. 3)Optimized software structure. 4. Fixed Bugs None
HYUNDAI	V51.50	1. Summary Added support for the 400 special functions of the 2021-2022 models in the general area and the USA area. Optimized the ADAS MOBILE target prompt illustration. Optimized software structure. 2. New Functions Added support for the 400 special functions of the 2021-2022 models in the general area and the USA area, such as variant coding, data reset, etc. 3. Optimized Functions 1)Optimized the ADAS MOBILE target prompt illustration. 2)Optimized software structure. 4. Fixed Bugs None
RESET ENGPBM	V10.06	1. Summary Optimized engine power balance function. 2. New Functions None 3. Optimized Functions Optimized engine power balance function. 4. Fixed Bugs None
FIAT	V37.40	1. Summary Added Basic Functions and Actuation Test for Models Giulia 2021, Stelvio 2018, 500X 2017-2021, 500BEV 2021, Thema 2016;Added special functions for 2021 year Toro model, including First and Neutral Gear Position Learn, Reset Number Of SS Mission Profile, Reset Of Cumulative Counter IAM;Added special functions for 2016 year Thema model, including Injector Quantity Adjustment, Program Variant Coding, ABS Initialization. 2. New Functions 1）Added Basic Functions for Models Giulia 2021, Stelvio 2018, 500X 2017-2021, 500BEV 2021, Thema 2016 2）Added Actuation Test for Models Giulia 2021, Stelvio 2018, 500X 2017-2021, 500BEV 2021, Thema 2016 3）Added special functions for 2021 year Toro model, including First and Neutral Gear Position Learn, Reset Number Of SS Mission Profile, Reset Of Cumulative Counter IAM

		4）Added special functions for 2016 year Thema model, including Injector Quantity Adjustment, Program Variant Coding, ABS Initialization 3. Optimized Functions None 4. Fixed Bugs None
KIA	V45.60	1. Summary Added support for about 300 special functions of the 2021-2022 models in the general area and the USA area. Optimized the ADAS MOBILE target prompt illustration. Optimized software structure. 2. New Functions 1)Added special functions for 38 models of MOHAVE/BORREGO(HM)、Niro(DE HEV)、Ceed(CD)、Ceed PHEV(CD PHEV)、CERATO/FORTE(BD)、CARNIVAL(KA4)、EV6(CV)、K5(DL3)、K8(GL3)、SELTOS(SP2)、SONET(QY)、SORENTO(MQ4)、SORENTO HEV(MQ4 HEV)、SORENTO PHEV(MQ4 PHEV)、SOUL(SK3)、SOUL EV(SK3 EV)、SPORTAGE(QLE)、Stinger(CK)、STONIC(YB CUV)、Telluride(ON)、XCeed(CD CUV), etc. in the general area from 2021 - 2022. 2)Added special functions for 16 models of CARNIVAL(KA4)、K5(DL3A)、NIRO(DE EV)、NIRO(DE HEV)、SELTOS(SP2)、SORENTO(MQ4A)、SORENTO HEV(MQ4 HEV)、SOUL(SK3)、SPORTAGE(QL)、STINGER(CK)、TELLURIDE(ON), etc. in the USA area from 2021 - 2022. 3. Optimized Functions 1)Optimized the ADAS MOBILE target prompt illustration. 2)Optimized software structure. 4. Fixed Bugs none
SAIC ROEWE	V13.30	1. Summary Added special functions for new vehicle models i5，RX3 20, completed freeze frame for RX5，eRX5 vehicle models, added basic function for two new vehicle models RX5，EP22 2. New Functions Added special functions for new vehicle models i5，RX3 20, completed freeze frame for RX5，eRX5 vehicle models, added basic function for two new vehicle models RX5，EP22 3. Optimized Functions None 4. Fixed Bugs None
HYUNDAI PLUS	V11.60	1. Summary Added new system functions of 25 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 25 new models from 2020 to 2021, the models include Avante(CN7) , G70(IK), G80(DH), G80(RG3), GV80(JX1), G90(HI), Grand Starex(TQ), Grandeur Hybrid(IG HEV), Grandeur(IG), H350(EU), IONIQ electric(AE EV), KONA electric(OS EV), KONA hybrid(OS HEV), KONA(OS), NEXO(FE), PALISADE(LX2), Poter2 (HR), Poter2 electric(HR EV), Santafe(TM), Sonata(DN8), Sonata hybrid(DN8 HEV), Tucson(TL), Veloster(JS), Veloster N(JSN) and Venue(QX). 2)Added illustration tips for placement of ADAS calibration equipment. 3. Optimized Functions Optimized the software structure. 4. Fixed Bugs None
NISSAN	V45.11	1. Summary Added the ultra-fast scanning function. Optimized the software structure. 2. New Functions Added the ultra-fast scanning function. 3. Optimized Functions Optimized the software structure. 4. Fixed Bugs None
INDIAN TATA	V15.00	1. Summary Add Replacement function of Pickups. Add TCU,IPC,BCM systems of Pickups. Fix DPF problem of Pickups. 2. New Functions 1)Add Replacement function of Pickups. 2)Add TCU,IPC,BCM systems of Pickups. 3. Optimized Functions None. 4. Fixed Bugs Fix DPF problem of Pickups.
KIA PLUS	V11.60	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.

Software	Version	Update Info
		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
HYUNDAI	V51.51	1. Summary Added helpful tips of special function. Optimized software structure. 2. New Functions Added helpful tips of special function. 3. Optimized Functions Optimized software structure. 4. Fixed Bugs None
SUZUKI	V38.40	1. Summary For 2021-2022 systems such as ECM, TCM, ABS, and BCM, added identification codes and the corresponding DTCs, data streams, actuation test, and special functions. 2. New Functions For 2021-2022 systems such as ECM, TCM, ABS, and BCM, added identification codes and the corresponding DTCs, data streams, actuation test, and special functions. 3. Optimized Functions None 4. Fixed Bugs None 5. Optimized Service Functions None
EV_LIXIANG	V10.40	1. Summary Added the actuation test function and match setting function for all systems; added the DTC help function; optimized the scanning identification function. 2. New Functions (1).Added the actuation test function and match setting function for all systems; including the Vehicle Control Unit(VCU) system GPF active regeneration process, anti-theft learning function, Body Control Module(BCM) ECU function configuration function, Electric Power Steering(ESP) system SAS calibration function, Electronic Stability Program(ESP) system caliper test(brake pad function), airbag system IMU calibration function, radar system SDA calibration function, static calibration function, Navigate On Autopilot(NOA) system camera dynamic calibration function and camera static calibration function etc. (2). Added the DTC help function. 3. Optimized Functions Optimized the scanning identification function. 4. Fixed Bugs None

Heavy-Duty Truck Software Upgrade

Software	Version	Update Info
HD_HINO	V18.10	1. Summary Added ADAS function for systems including Hino FCM (Front Image Recognition Sensor) and LDWS (Lane Departure Warning System). 2. New Functions Added functions such as camera sensor initialization for FCM (Front Image Recognition Sensor), optical axis adjustment for laser sensor, beam axis adjustment for millimeter wave radar and LDWS optical axis adjustment manual input image. 3. Optimized Functions 1) Optimized speed limit function 2) Optimized the software structure. 4. Fixed Bugs Fixed DTC read function for Urea SCR (electrical) system.
HD_MAN	V16.29	1. Brief Introduction Optimized ADAS radar sensor calibration function and added Russian. 2. New Functions

		None 3. Optimized Functions Optimized software menu structure 4. Fixed Bugs None
HD_ ASHOK_ LEYLAND	V10.60	1. Summary Added the EMS Denso and DCM H3/H4 diesel ECU common rail systems. 2. New Functions Added the EMS Denso diesel ECU common rail system. Added the DCM H3/H4 diesel ECU common rail system. 3. Optimized Functions None 4. Fixed Bugs None
HD_BENZ	V17.90	1. Summary Added actuation test and special functions for some systems of trucks and buses. 2. New Functions 1） Added special functions for the MCM21T system of trucks. 2） For buses, added actuation test for the CPC0, ACM, and MCM systems and special functions for the CPC and MS systems. 3. Optimized Functions Modified the Unimog menu. 4. Fixed Bugs None
DENSO_ DIESEL	V10.30	1. Summary Added China IV, China V, and China VI systems for SHANGCHAI Denso H series, DK series, DF series, and T series. Added the automatic scanning function for SHANGCHAI. 2. New Functions 1) Added basic functions and actuation test functions for H series SC4H Longbeng, SC4H LIANCHUANG, SC4H, and SC7H. 2) Added basic functions, actuation test, and special functions for DK series SC5DK, SC8DK, and SC9DK China III and China IV systems. 3) Added basic functions, actuation test, and special functions for DF series SC9DFQ3, SC9DFQ4, SC9DFQ5, and SC9DFQ6. 4) Added basic functions, actuation test, and special functions for T series SC4HT and TBOX. 3. Optimized Functions None 4. Fixed Bugs None
HD_SCR	V11.50	1. Summary Added special functions for Faurecia DCU China VI system, Shangchai Bosch China VI system, Weichai self-developed DCU version, and Dongfeng (CV-ACM) system. Optimized the FAW Tenneco DCU, Shangchai Tenneco DCU, ActBlue system, Kailong China VI system, Henghe China VI (equipped with Bosch China VI engine) system, Dongfeng (CV-ACM) system, Dongfeng (CES-ACM) system, ECOCAT system, and Shenzhou system. 2. New Functions 1) Added basic functions and special functions for Faurecia DCU China VI system. 2) Added basic functions and special functions for Shangchai Bosch China VI system. 3) Added version coverage for Weichai autonomous DCU. 4) Added special functions for Dongfeng (CV-ACM) system. 3. Optimized Functions 1) Optimized basic functions for FAW Tenneco DCU. 2) Optimized basic functions for Shangchai Tenneco DCU. 3) Optimized basic functions for ActBlue system. 4) Optimized basic functions for Kailong China VI system. 5) Optimized basic functions and special functions for Henghe China VI (equipped with Bosch China VI engine) system. 6) Optimized basic functions for Dongfeng (CV-ACM) system. 7) Optimized basic functions for Dongfeng (CES-ACM) system. 8) Optimized basic functions for Ecocat system. 9) Optimized basic functions for Shenzhou system. 4. Fixed Bugs None
DFL	V11.60	1. Summary Added YingChe ADCU System, Added YingChe ADAD System, Added YingChe RongYu ADCU System, Added The Action Test Of ELC-Knorr System, Added The Action Test Of KORMEE- Electronic handbrake (EPB) System, Added The Action Test Of MOON AEBS-radar System. 2. New Function 1) Added YingChe ADCU System 2) Added YingChe ADAD System 3) Added YingChe RongYu ADCU System

		4) Added The Action Test Of ELC-Knorr System 5) Added The Action Test Of KORMEE- Electronic handbrake (EPB) System 6) Added The Action Test Of MOON AEBS-radar System 3. Optimize Function None 4. Fix Bugs None

HD_KUBOTA	V10.01	What's new
		   2. Summary
		   Added All System Diagnostic Functions for KUBOTA Models.
		   2. New Function
		   1) Added Version Information Function for All Systems of KUBOTA Models.
		   2) Added Read Fault Code Function And Clear Fault Memory Function for All Systems of KUBOTA Models.
		   3) Added Read Data Stream Function for All Systems of KUBOTA Models.
		   3. Optimized Function
		   None.
		   4. Fixed Bugs
		   None.

WP_DIESEL	V12.20	1. Summary
		   Added the WEICHAI natural gas Bosch China VI system. Added the WEICHAI natural gas E6 system. Optimized actuation test for the WEICHAI WISE12A system. Optimized the software structure. Fixed some known bugs.
		2. New Functions
		   1) Added the WEICHAI natural gas Bosch China VI system.
		   2) Added the WEICHAI natural gas E6 system.
		3. Optimized Functions
		   1) Optimized the software structure.
		   2) Optimized actuation test for the WEICHAI WISE12A system.
		4. Fixed Bugs
		   Fixed some known bugs.

HD_ AUTOSEARCH	V10.30	1. Summary
		   Added European models, Asian models, American models with one click recognition function.
		2. New Functions
		   1) Added one button recognition function for European models.
		   2) Added one button recognition function for Asian models.
		   3) Added one button recognition function for American models.
		3. Optimized Functions
		   None
		4. Fixed Bugs
		   None