

## Diag Software Update of August

Diagnostic software coverage details are available in the following link:

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

### Passenger Car Software Upgrade

Software	Version	Update Info
BENZ	V49.85	<ol style="list-style-type: none"><li>Summary Optimized the ADAS function. Updated basic functions for some systems under chassis 206, 223, and 232.</li><li>New Functions Updated basic functions for some systems under chassis 206, 223, and 232.</li><li>Optimized Functions Optimized the ADAS function.</li><li>Fixed Bugs None.</li></ol>
SUBARU	V24.90	<ol style="list-style-type: none"><li>Summary Added support for 2022MY IMPREZA / CROSSTREK / XV, WRX, Forester, and BRZ; Optimized the software structure.</li><li>New Functions Added support for 2022MY IMPREZA / CROSSTREK / XV, WRX, Forester, and BRZ.</li><li>Optimized Functions Optimized the software structure.</li><li>Fixed Bugs<ol style="list-style-type: none"><li>Fixed the bugs of the functions Read Data Streams and Read Freeze Frames for the EPS system.</li><li>Fixed the anti-theft function.</li><li>Fixed the ABS sequence control mode function.</li><li>Fixed the vehicle mileage reading function.</li></ol></li></ol>
HYUNDAI	V51.41	<ol style="list-style-type: none"><li>Summary Added support for the ADAS AX200 target prompt illustration. Optimized the ADAS MOBILE / ADAS PRO+ target prompt illustration. Optimized software structure.</li><li>New Functions Added support for the ADAS AX200 target prompt illustration.</li><li>Optimized Functions<ol style="list-style-type: none"><li>Optimized the ADAS PRO / ADAS MOBILE / ADAS PRO+ target prompt illustration.</li></ol></li></ol>

		<p>2)Optimized software structure.</p> <p>4. Fixed Bugs None</p>
IMMO PROG	V10.55	<p>1. Summary Added the ECU reading/writing function for the E39 DELCO engine. Added the ECU reading/writing function for the MD1CS089 Bosch engine. Optimized the ECU reading/writing function for the DC4 gearbox. Optimized the remote frequency detection function.</p> <p>2. New Functions 1) Added the ECU reading/writing function for the E39 DELCO engine. 2) Added the ECU reading/writing function for the MD1CS089 Bosch engine.</p> <p>3. Optimized Functions 1) Optimized the ECU reading/writing function for the DC4 gearbox. 2) Optimized the remote frequency detection function.</p> <p>4. Fixed Bugs None</p>
CHRYSLER	V33.85	<p>1. Summary Added Support For The ADAS AX200 Target.Optimized The Calibration Of ADAS Radar.Optimized The Calibration Of ADAS Driver Assistance System Module.</p> <p>2. New Functions Added Support For The ADAS AX200 Target.</p> <p>3. Optimized Functions 1) Optimized The Calibration Of Grand Cherokee/Durango /Pacifica ADAS Radar. 2) Optimized The Calibration Of RAM/Wrangler/Gladiator ADAS Driver Assistance System Module.</p> <p>4. Fixed Bugs None</p>
Maserati	V11.50	<p>1. Summary Added support for the ADAS device AX200 software. Optimized the quick test page.</p> <p>2. New Functions Added support for the ADAS device AX200 software.</p> <p>3. Optimized Functions Optimized the quick test page.</p> <p>4. Fixed Bugs None</p> <p>5. Optimized Service Functions None</p>
SUZUKI	V38.35	<p>1. Summary Added support for the ADAS device AX200 software.</p> <p>2. New Functions Added support for the ADAS device AX200 software.</p> <p>3. Optimized Functions None</p>

		<p>4. Fixed Bugs None</p> <p>5. Optimized Service Functions None</p>
FIAT	V37.00	<p>1. Summary Added Basic Functions and actuation test for Models Giulia 2018-2021, Giulietta 2011, Stelvio 2018-2022, Tango 2016, 500E 2015,500BEV 2021; Added special function for 2016 Tango vehicle model, including Engine restart (Inducement shutdown), Supercharging system components replacement, Particulate filter regeneration (for SCR needs);Added special function for 2021 Giulia vehicle model, including (GPF) Particulate filter regeneration, (GPF) Particulate filter replacement, (GPF) Pressure sensor replacement; Added AX200 support.</p> <p>2. New Functions 1) Added Basic Functions for Models Giulia 2018-2021, Giulietta 2011, Stelvio 2018-2022, Tango 2016, 500E 2015,500BEV 2021 2)Added actuation test for Models Giulia 2018-2021, Giulietta 2011, Stelvio 2018-2022, Tango 2016, 500E 2015, 500BEV 2021 3)Added special function for 2016 Tango vehicle model, including Engine restart (Inducement shutdown), Supercharging system components replacement, Particulate filter regeneration (for SCR needs) 4)Added special function for 2021 Giulia vehicle model, including (GPF) Particulate filter regeneration, (GPF) Particulate filter replacement, (GPF) Pressure sensor replacement 5)Added AX200 support</p> <p>3. Optimized Functions None</p> <p>4. Fixed Bugs None</p>
DR	V10.20	<p>1. Summary Added dr3 s0, dr3 s1, dr3 s2, dr4.0, dr5.0(2020-2021), dr5.0(2022), dr6.0, dr7.0 vehicles diagnostic program.</p> <p>2. New Functions 1) Added dr3 s0 vehicle diagnostic program; 2) Added dr3 s1 vehicle diagnostic program; 3) Added dr3 s2 vehicle diagnostic program; 4) Added dr4.0 vehicle diagnostic program; 5) Added dr5.0(2020-2021) vehicle diagnostic program. 6) Added dr5.0(2022) vehicle diagnostic program. 7) Added dr6.0 vehicle diagnostic program. 8) Added dr7.0 vehicle diagnostic program.</p> <p>3. Optimized Functions Optimization diagnostic software.</p> <p>4. Fixed Bugs None</p>

NISSAN	V45.00	<ol style="list-style-type: none"> <li>Summary Added ADAS function for year 2022 Nissan Pathfinder, New Altima, new X-Trail, Infiniti Q60, NP300 NAVARA; Added basic functions for Venucia D60EV_Event, Venucia D60EV E-PT, Venucia D60EV power exchange version, Venucia 534, Dongfeng Venucia Star ( 2021 model), Venucia T90(1.5T); Optimized basic functions for Dongfeng Venucia Star, Venucia D60EV, Venucia T60EV, Venucia E30(BBG), Venucia T70(1.4T), Venucia 90(1.4T) models; Added “CAN network diagnosis” function and “SRT status” data stream item for year 2021 new X-Trail, SYLPHY, Qashqao and Infiniti; Added 50 special functions for year 2019 NV200, NV400 and X-Trail models; Optimized some test issues.</li> <li>New Functions 1)Added ADAS function for year 2022 Nissan Pathfinder, New Altima, new X-Trail, Infiniti Q60, NP300 NAVARA. Including: Side radar calibration, calibrating camera image (front camera), calibrating camera image (passenger side camera). 2)Added basic functions for Venucia D60EV_Event, Venucia D60EV E-PT, Venucia D60EV power exchange version, Venucia 534, Dongfeng Venucia Star ( 2021 model), Venucia T90(1.5T). 3)Added “CAN network diagnosis” function and “SRT status” data stream item for year 2021 new X-Trail, SYLPHY, Qashqao and Infiniti. 4)Added 50 special functions for year 2019 NV200, NV400 and X-Trail models. 5)Added actuation test function for Venucia D60EV_Event, Venucia D60EV E-PT, Venucia D60EV HD, Venucia 534, Dongfeng Venucia Star ( 2021 model), Venucia T90(1.5T), Dongfeng Venucia Star, Venucia D60EV, Venucia T60EV, Venucia E30(BBG), Venucia T70(1.4T), Venucia 90(1.4T) vehicle model.</li> <li>Optimized Functions 1)Optimized basic functions for Dongfeng Venucia Star, Venucia D60EV, Venucia T60EV, Venucia E30(BBG), Venucia T70(1.4T), Venucia 90(1.4T) models. 2)Optimized IMMO function for new X-Trail, new Altima models. 3)Optimized ADAS function.</li> <li>Fixed Bugs Fixed special function fail in 2019 new X-Trail, new Altima models.</li> </ol>
MITSUBISHI	V34.40	<ol style="list-style-type: none"> <li>Summary Added the special functions for the whole system of vehicle models EK-X / EK-WAGON (B3#). Optimized the special functions for EPB System. Optimized the software structure.</li> <li>New Functions Added the special functions for the whole system of vehicle models EK-X / EK-WAGON (B3#).</li> <li>Optimized Functions 1) Optimized the special functions for EPB System. 2) Optimized software structure.</li> <li>Fixed Bugs None</li> </ol>
HONDA	V48.50	<ol style="list-style-type: none"> <li>Summary Optimized the software structure.</li> <li>New Functions</li> </ol>

		<p>None</p> <p>3. Optimized Functions</p> <p>1) Optimized the Integrated Driver Support System for some car models.</p> <p>2) Optimized the Seat Weight Sensor System.</p> <p>4. Fixed Bugs</p> <p>None</p>
IMM_ USAFORD	V10.20	<p>1. Summary</p> <p>Added The Passive Anti-Theft Special Function For 2018-2021 Focus, Corsair, Transit, Mondeo, Bronco, Zephyr, Maverick, etc.</p> <p>2. New Functions</p> <p>Added The Passive Anti-Theft Special Function For 2018-2021 Focus, Corsair, Transit, Mondeo, Bronco, Zephyr, Maverick, etc.</p> <p>3. Optimized Functions</p> <p>None.</p> <p>4. Fixed Bugs</p> <p>None.</p>
IMM_BENZ	V10.15	<p>1. Summary</p> <p>Added The Password Calculation (By Losing All Keys) Function For Several EIS Types.Optimized The Wiring Diagram Wiring Mode.</p> <p>2. New Functions</p> <p>Added The Password Calculation (By Losing All Keys) Function For The EIS Of The W164(2009-),W216 Types.</p> <p>3. Optimized Functions</p> <p>Optimized The Wiring Diagram Wiring Mode.</p> <p>4. Fixed Bugs</p> <p>None</p>
MT_BMW	V10.05	<p>1. Summary</p> <p>Added some special functions for chassis such as K02, K03, K08, K09, K18, K19, K21, K22, K23, K32, K33, K47, K48, K50,K51,K53 K61,K80,K82,K83 and K84.</p> <p>2. New Functions</p> <p>None</p> <p>3. Optimized Functions</p> <p>None</p> <p>4. Fixed Bugs</p> <p>None</p>
VOLVO	V44.60	<p>1. Summary</p> <p>Added the functions Read DTCs, Clear DTCs, service lamp reset, and ADAS special functions for all systems of 2021MY Volvo models.</p> <p>2. New Functions</p> <p>1. Added the functions Read DTCs and Clear DTCs for all systems of the following 2021MY Volvo models: S90L, V90 Cross Country, XC60 (18-), XC90 (16-), S90 (17-), XC40, V90 (17-), S60 (19-), V60 (19-), V60 Cross Country (19-)</p> <p>2. Updated the service lamp reset function for the DIM system of the following 2021MY Volvo models: S90L, V90 Cross Country, XC60 (18-), XC90 (16-), S90 (17-), XC40, V90 (17-),</p>

		<p>S60 (19-), V60 (19-), V60 Cross Country (19-)</p> <p>3. Updated the following functions for the 2021MY Volvo models S90L, V90 Cross Country, XC60 (18-), XC90 (16-), S90 (17-), XC40, V90 (17-), S60 (19-), V60 (19-), V60 Cross Country (19-): calibrating ASDM radar and camera for the ASDM system, calibrating wide-angle vision module, camera learning, and parking assist camera for the WAM system, calibrating left/right obstacle detection control module for the SODL/SODR system, completing calibrating left/right obstacle detection control module</p> <p>3. Optimized Functions None</p> <p>4. Fixed Bugs None</p>
AUDI	V28.85	<p>1. Summary Added the guided functions for some 2001-2021 Audi models. Added basic functions and special functions for systems of some 2020-2021 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 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 the guided functions for the following systems of 2001-2021 A1, A3, A4, A5, A6, A8, TT, Q2, Q3, Q5, Q7, Q8, e-tron: engine system, gearbox ECU, brake electronic device, electronic central electrical device, airbag, power steering system, instrument panel, 4WD electronic device, multifunction module, rear hatch electronic device, hybrid battery management system, driver rear door electronic device, passenger rear door electronic device.</p> <p>2) Added basic functions and special functions for systems of 2020-2021 A1, A3, A4, A5, A6, A8, TT, Q2, Q3, Q5, Q7, Q8, e-tron, etc.</p> <p>3) Updated the data for performing the functions Read Data Streams, Basic Configuration, Matching, Actuation Test, Login, and Coding by Channel Number.</p> <p>4) 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>5) Added the advanced version information function for some systems.</p> <p>6) 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>
OPEL	V42.70	<p>1. Summary</p> <p>Added ADAS Fucniton Such as Front View Camera Calibration Function For Combo Life/Combo Cargo,Zafira Vivaro Life, Vivaro,Corsa F Model.</p> <p>2. New Functions</p> <p>None</p> <p>3. Optimized Functions</p> <p>None</p> <p>4. Fixed Bugs</p> <p>None</p>
HUACHEN	v30.70	<p>1. Summary</p> <p>Zhong V7 added engine system 2 and engine system 3、 EPBI system added brake pad replacement(exit maintenance mode)function,Optimezi diagnostic software.</p> <p>2. New Functions</p> <p>1)Zhong V7 added engine system 2 and engine system 3</p> <p>2)Zhong V7 EPBI system added brake pad replacement(exit maintenance mode)function</p> <p>3. Optimized Functions</p> <p>Optimezi diagnostic software</p> <p>4. Fixed Bugs</p> <p>None</p>
CHANGHE_ EV	v22.91	<p>1. Summary</p> <p>Added English version, and solved the problem that reading fault code of various models 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 various models did not show fault codes.</p>
INDIAN TATA	V14.80	<p>1. Summary</p> <p>Added the support for BS6 Pickups.</p> <p>2. New Functions</p> <p>Added the support for BS6 Pickups.</p> <p>3. Optimized Functions</p> <p>None</p>

		4. Fixed Bugs None
INDIAN MAHINDRA	V14.10	1. Summary Optimized DPF Service Regeneration Function. 2. New Functions None 3. Optimized Functions Optimized DPF Service Regeneration Function. 4. Fixed Bugs None 5. Maintenance Service Update None.
MCLAREN	V10.05	1. Summary Added the function of rapid test. 2. New Functions Added the function of rapid test. 3. Optimized Functions None 4. Fixed Bugs None
FERRARI	V11.10	1. Summary Added the function of NAG (Driver seat), NAP (Passenger seat) and optimized the function of NIT (infotainment system) for 458 Italia model system. 2. New Functions Added the function of NAG (Driver seat), and NAP (Passenger seat) for 458 Italia model system. 3. Optimized Functions Optimized the function of NIT (infotainment system) for 458 Italia model. 4. Fixed Bugs None 5. Updates for Service Function 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.
HD_ DETROIT	V12.30	1. Summary Added diagnostic support for some new systems. 2. New functions Added 'Electric Common Powertrain Controller' , 'Electric Transmission Control



		<p>Module' , 'Battery Management System' , 'DC Charger' , 'Electronically Controlled Pneumatics' , 'Electrohydraulic Power Steering' , 'Powertrain Inverter Module' , 'Extension Module Cabin'.</p> <p>3. Optimized functions None.</p> <p>4. Fixed Bugs None.</p>
HD_ WABCO _ABS	V10.90	<p>1. Summary Added ADAS system and function</p> <p>2. New Functions 1) Added system OnLane_LDW, OnGuard Plus AEBS 2) Added special function for system OnGuard Collision Mitigation System</p> <p>3. Optimized Functions None</p> <p>4. Fixed Bugs None</p>
DAF	V14.39	<p>1. Summary Add Russian.Optimized the software structure.</p> <p>2. New Functions None</p> <p>3. Optimized Functions Add Russian.Optimized the software structure.</p> <p>4. Fixed Bugs None</p>
EV_HD_ FOTON	V10.10	<p>1. Summary Added new support for "Pickup truck -&gt; TUNLAND(2018) -&gt; A new generation of self-developed VCU", "Pickup truck -&gt; TUNLAND(2018) -&gt; MCU Motor Controller", "Pickup truck -&gt; TUNLAND(2018) -&gt; OBC Car Charger", "Light Truck -&gt; Aumark -&gt; VCU Vehicle Controller", "Light Truck -&gt; Times -&gt; 3T Electric Vehicle", "Auman heavy truck(pure electric) -&gt; VCU Vehicle Controller", "Auman heavy truck(pure electric) -&gt; VTCU Vehicle Controller", "Auman heavy truck(pure electric) -&gt; BMS Battery Management System", "Auman heavy truck(pure electric) -&gt; MCU Motor Controller" of new energy diagnoses.</p> <p>2. New Functions Added new support for "Pickup truck -&gt; TUNLAND(2018) -&gt; A new generation of self-developed VCU", "Pickup truck -&gt; TUNLAND(2018) -&gt; MCU Motor Controller", "Pickup truck -&gt; TUNLAND(2018) -&gt; OBC Car Charger", "Light Truck -&gt; Aumark -&gt; VCU Vehicle Controller", "Light Truck -&gt; Times -&gt; 3T Electric Vehicle", "Auman heavy truck(pure electric) -&gt; VCU Vehicle Controller", "Auman heavy truck(pure electric) -&gt; VTCU Vehicle Controller", "Auman heavy truck(pure electric) -&gt; BMS Battery Management System", "Auman heavy truck(pure electric) -&gt; MCU Motor Controller" of new energy diagnoses.</p> <p>3. Optimized Functions</p>

		None
		4. Fixed Bugs
		None