RESET
AUTO CALIBRATION

●Diagnostics ●ADAS Calibrations ●R1234YF Recharging

100% Mobile Service

OEM Equipment

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626-800-2569

recalibrate@resetadas.com

January 2022

Reset Auto uses officially licensed HDS (Honda and Acura Diagnostic Software) and calibration equipment

Honda/Acura

Operation	When to perform
Pre/Post Scan	All vehicles involved in a collision must have pre and post repair scans performed with Honda's software.

Source: Honda Position Statement, issued May 2019

Honda/Acura SWS Calibration

System	When to Inspect/Calibrate
ODS/SWS	After a collision.
	If the front passenger seat is removed or if part of the seat is replaced.

Source: Honda Service Information System

System	When to Aim	Notes
Blind Spot Information Radar	BSI radar unit was removed or installed	
	BSI radar unit was replaced.	If the BSI radar unit was replaced due to damage, you must do the BSI Radar Unit Mounting Area Check procedure before installing the new BSI radar unit.
	After replacing or repairing the body panel(s) where the BSI radar unit is mounted.	The BSI Radar Unit Mounting Area Check procedure must be done after the repair is complete, before installing the BSI radar unit.
	After a collision repair requiring a structural body repair at the rear of the vehicle.	You must do the BSI Radar Unit Mounting Area Check procedure after the repair is complete. **BUMPER MUST BE LEFT OFF**.

Source: Honda Service Information System

Blind Spot Setup

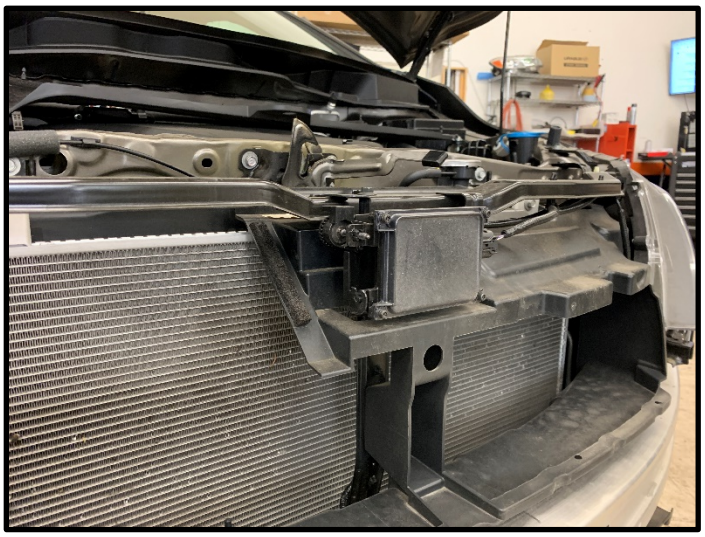
Blind Spot

Reset Auto uses officially licensed HDS (Honda and Acura Diagnostic Software) and calibration equipment

Honda/Acura Cont.

System	When to Aim	Notes
Millimeter Wave Radar	Millimeter wave radar unit was removed and installed.	
	Millimeter wave radar unit was replaced.	Order replacement radar using the vin
	After a collision that requires a front bumper repair within 300mm (11.81in) of the millimeter wave radar.	
	After a collision requiring a structural body repair.	
	After an SRS deployment.	
	After a wheel alignment.	Wheel alignments done after a collision or when the alignment was severely out of specification.

Source: Honda Service Information System



Honda Accord Millimeter Wave Radar

Honda CRV LaneWatch Calibration

LaneWatch camera on passenger side mirror

Operation	When to Perform
LaneWatch Calibration	- LaneWatch camera removal or replacement - Passenger's side power mirror removal or replacement - Passenger's side door panel removal or replacement - Passenger's side door panel body repair - Passenger's side door position adjustment

Source: Honda Service Information System

Reset Auto uses officially licensed HDS (Honda and Acura Diagnostic Software) and calibration equipment

Honda/Acura Cont.

Operation	When to Perform
Steering Angle Sensor Value Clear	Whenever the steering joint, the steering wheel, steering angle sensor is removed or if the front toe is adjusted.

SAS effects steering wheel position

Source: Honda Service Information System

Operation	When to Perform
Multi View Camera Aiming	- Must be re-aimed whenever the front camera, the rear camera, the left side camera, or the right side camera is removed or replaced, or if an aiming error occurs. - Power mirror removed or replaced - Front door panel removed or replaced - Tailgate panel removed or replaced - Front bumper or front grille removed or replaced

Source: Honda Service Information System

Honda Multi View System

Honda Multipurpose Camera

Operation	When to Perform
Multipurpose Camera Aiming	- Windshield is removed or replaced - If you suspect the alignment is out of specifications, you must perform a wheel alignment prior to aiming the multipurpose camera

Source: Honda Service Information System

Reset Auto uses officially licensed Toyota software (Techstream) and calibration equipment

Toyota/Lexus/Scion

Operation	When to Perform
Pre/Post Scan	Toyota requires pre and post scans be performed before and after a collision.

Source: Toyota Technical Information Service

System	When to Calibrate
OCS	Most Vehicles require this after a collision. (see Toyota OCS calibration chart on **Page 8**)
	When the right front seat is loosened, removed or if part of the seat is replaced.

Source: Toyota Technical Information Service

Toyota front passenger seat

Millimeter Wave Sensor behind Toyota Emblem

Toyota Prius Millimeter Wave Sensor

System	When to Perform Calibration	Notes
Millimeter Wave Sensor	Any time the sensor is R&I'd.	MMWS are often attached to the grille
	After replacement of the sensor.	Keep sensors clean.

Source: Toyota Technical Information Service

Reset Auto uses officially licensed Toyota software (Techstream) and calibration equipment

Toyota/Lexus/Scion Cont.

System	When to Perform Calibration	Notes
Blind Spot Monitor	After R&I.	This seems to be most common on truck rear bumpers. (Tacoma & Tundra).
	After replacement.	Do not reuse a sensor that has sustained a strong impact or has been dropped. Keep sensors clean.

Source: Toyota Technical Information Service

Blind Spot calibration setup, Toyota Tacoma

Damaged Toyota Blind Spot

Operation	When to Perform
Steering Angle Sensor Yaw Rate and Acceleration Zero point	If a wheel alignment has been performed, or if suspension or underbody components have been removed/installed or replaced

Source: Toyota Technical Information Service

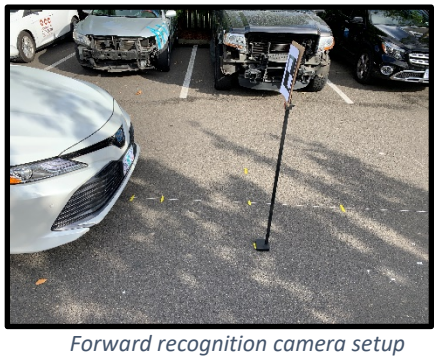
Steering wheel prior to wheel calibration

Operation	When to Perform
Torque Sensor Zero Point Calibration	- Power steering ECU has been replaced - Electric power steering column sub-assembly has been replaced - There is a difference in steering effort between turning left and right

Source: Toyota Technical Information Service

Operation	When to Perform
Forward Recognition Camera	When replaced with a new one or the windshield glass has been removed and installed

Source: Toyota Technical Information Service

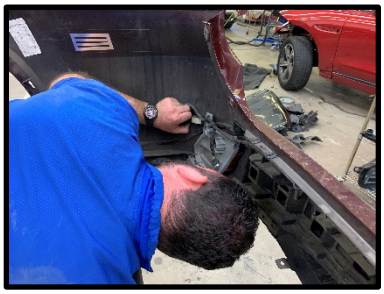


Forward recognition camera setup

Reset Auto uses officially licensed Toyota software (Techstream) and calibration equipment

Intelligent Clearance Sonar System (ICS) calibration

Toyota/Lexus/Scion Cont.



Installation of Ultrasonic sensor, rear bumper

Part Name	Operation	Adjustment Item
Steering sensor	- Removal and installation of the steering sensor - Removal and installation of the connector of the steering sensor - Replacement	- Steering angle neutral point (Initialize intelligent clearance sonar system)
Suspension, tires, etc.	- The vehicle height changes because of suspension or tire replacement	- Ultrasonic sensor detection angle - Ultrasonic sensor detection angle registration
Front bumper assembly	- Replacement	- Ultrasonic sensor detection angle
	- Installation position of the front bumper assembly changes because of the removal and installation of the front bumper assembly	- Ultrasonic sensor detection angle registration
Rear bumper assembly	- Replacement	- Ultrasonic sensor detection angle
	- Installation position of the rear bumper assembly changes because of the removal and installation of the rear bumper assembly	- Ultrasonic sensor detection angle registration
Clearance warning ECU assembly	- Replacement	- Ultrasonic sensor detection angle - Steering angle neutral point - Bumper type registration - Ultrasonic sensor detection angle registration
Ultrasonic sensor	- Removal and installation	- Ultrasonic sensor detection angle
	- Replacement	- Ultrasonic sensor detection angle registration
	- An ultrasonic sensor becomes misaligned	- Ultrasonic sensor detection angle - Ultrasonic sensor detection angle registration
	- An ultrasonic sensor is subjected to impact	- Ultrasonic sensor detection angle - Ultrasonic sensor detection angle registration

Source: Toyota Technical Information Service

Toyota OCS Calibration

When To Complete Zero-Point Calibration if listed as "No" (otherwise do after collision)

-The occupant detection ECU is replaced.
-Accessories (seatback tray, seat cover, etc.) are installed.
-The front passenger seat is removed from the vehicle.
-One of the bolts that is used to install the front passenger seat is removed and reinstalled.
-The passenger airbag ON/OFF indicator ("ON") comes on when the front passenger seat is not occupied.
-An occupant classification sensor collision detection DTC is output due to an accident or a collision.

Model/Year	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
4Runner	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No
Avalon	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No
C-HR														No	No	No
Camry	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No
Corolla	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No
Corolla Hatchback															No	No
FJ Cruiser			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes						
Highlander	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No
Highlander HV		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Hilux	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
iA													No	No		
iM													Yes	Yes		
Land Cruiser	No	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	No	No	No	No	No
Matrix	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No						
Mirai												No	No	No	No	
Prius	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Prius C								Yes	Yes	Yes	Yes	No	No	No	No	No
Prius PHV						Yes		Yes	Yes	Yes	No					
Prius Prime													Yes	Yes	Yes	Yes
Prius V								Yes	Yes	Yes	Yes	No	No	No		
RAV4	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No
RAV4 EV								Yes	Yes	No						
RAV4 HV												No	No	No	No	No
Sequoia	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No
Sienna	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No
Solara	No	Yes	Yes	Yes												
Supra																No
Tacoma	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No
Tundra	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No
Venza					Yes	Yes	Yes	Yes	Yes	Yes	Yes	No				
Yaris	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	

Source: Tovota Technical Information Service. compiled

Reset Auto uses officially licensed GM software (GDS2, Tech2, Tech2Win) and calibration equipment

GMC/Buick/Chevrolet/Cadillac

Operation	When to Perform
Pre/Post Scan	GM states that all vehicles being repaired must have pre and post scans performed with GM diagnostic software.

Source: GMC Position Statement, issued October 2016

2018 Cadillac with forward adaptive lighting

Park Assist activation button

Systems	When to Reprogram
Long/Short Range Object Sensor Blind Spot Rear Object Sensor	Most of GM's Sensors need the be reprogramed after replacement. This includes long and short range radar sensors for adaptive cruise control, blind spot sensors, and rear object sensors (not reverse sensors)

Source: GM Service Information System

Cadillac steering wheel before centering

Operation	When to Perform
Steering Angle Sensor Centering	- Wheel alignment - Steering gear replacement - Steering column replacement - Steering angle sensor replacement - Collision or other physical damage - Electronic Brake Control Module replacement

Source: GM Service Information System

Reset Auto uses officially licensed Mopar software (WiTech 2.0) and calibration equipment

Chrysler/Dodge/Jeep/Ram/Fiat

Operation	When to Perform
Pre/Post Scan	Automated electronic driver assistance systems MUST be tested for fault codes following a collision, before and after collision repair with the Mopar wiTECH vehicle diagnostic tester.

Source: MOPAR Position Statement September 2019

Forward Facing Camera

System	When to Calibrate
Forward Facing Camera	- If the camera and/or windshield is removed or replaced. - if the camera module is removed from the bracket and reinstalled - If there are Lane Departure Warning system behavior concerns.

Source: MOPAR Tech Authority

System	When to Calibrate
Adaptive Cruise Control	- When the sensor and/or bracket are R&I'd or replaced - Front end structural repairs are performed

Source: MOPAR Tech Authority

ACC Radar without bezel

Component Replaced	Calibration
Anti-lock Brake System (ABS) Module	ABS Initialization/Brake Pedal Calibration
Hydraulic Control Unit (HCU)	ABS Initialization/ABS Bleed Brakes/Brake Pedal Calibration
Integrated Control Unit (ICU)	ABS Initialization/ABS Bleed Brakes/Brake Pedal Calibration
Brake Pedal Sensor	Brake Pedal Calibration
Occupant Restraints Controller (ORC)	ABS Initialization/ORC Initialization
Steering Control Module (SCM)	ABS Initialization
Steering Angle Sensor	ABS Initialization

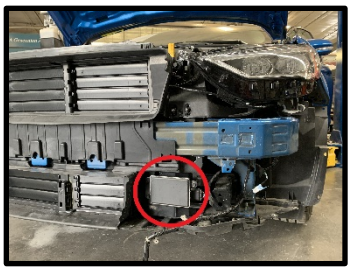
Source: MOPAR Tech Authority

Reset Auto uses officially licensed Ford Integrated Diagnostic Software (IDS/FDRS) and calibration equipment

Ford/Lincoln

Operation	When to Perform
Pre/Post Scan	Model years 2010- current require scans pre and post repair It is recommended to use Ford IDS software

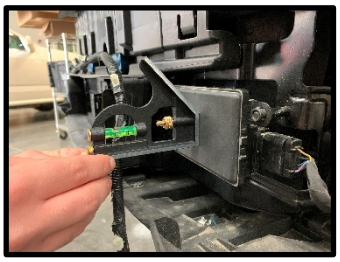
Source: Ford Position Statement December 2018



2019 Ford Fusion front radar

System	When to Perform Adjustment
Cruise Control Radar	Calibrate after replacing radar unit

Source: Ford Tech Service



Vertical calibration of front radar

System	When to Perform Adjustment
Blind Spot	Calibrate after replacement of the blind spot unit (keep old part, its data will be needed to move to new part)

Source: Ford Tech Service

Ford Raptor Blind Spot W/logo in taillight

Forward camera for Lane Keep

System	When to Perform Adjustment
Lane Keep	- If the windshield is R&I'd or replaced - If any part of the suspension is replaced - A change in tire size - After an alignment

Source: Ford Tech Service

System	When to Perform Adjustment
Front/Rear Parking Aid Camera	When new component is installed

Source: Ford Tech Service

Ford front Parking Aid Camera

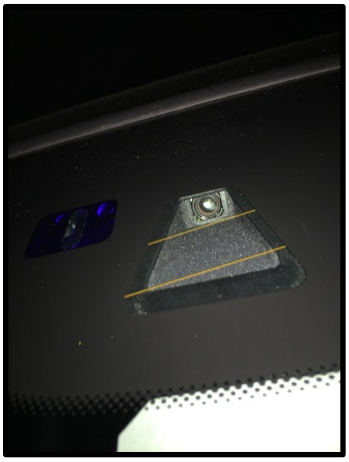
System	When to Perform Adjustment
360 Degree Camera	- Calibrate after mirror or mirror cap removal, if equipped with a camera - This includes removal or replacement of either front door.

System	When to Perform Adjustment
Occupant Classification Sensor (OCS)	Front passenger seat cushion is disassembled, a new trim cover is installed or an OCS service kit is installed

Source: Ford Tech Service

Reset Auto uses officially licensed Mazda Diagnostic and Repair Software (IDS/MDARS) and calibration equipment

Mazda



Forward Sensing Camera

Operation	When to Perform
Pre/Post Scans	Mazda recommends that all vehicles being repaired for collision damage be scanned before and after the repair

Source: Mazda Position Statement January 2018

System	When to Perform Calibration
FSC Forward Sensing Camera	- FSC Replacement - Clips to FSC are replaced - Windshield is replaced

Source: Mazda Electronic Service Information

System	When to Perform Adjustment
Headlamp Auto-Leveling	- Module removed or replaced - sensor is removed/replaced - Dashboard removed/replaced - Any service that alters vehicle height

Source: Mazda Electronic Service Information

2020 Mazda W/ Headlamp Auto-Leveling

Mazda Front Radar and grille emblem

System	When to Perform Calibration
Front Radar	- Unit is replaced - Brackets for unit are replaced - When prompted by the vehicle

Source: Mazda Electronic Service Information

System	When to Perform Adjustment
Blind Spot	Rear bumper is removed or replaced

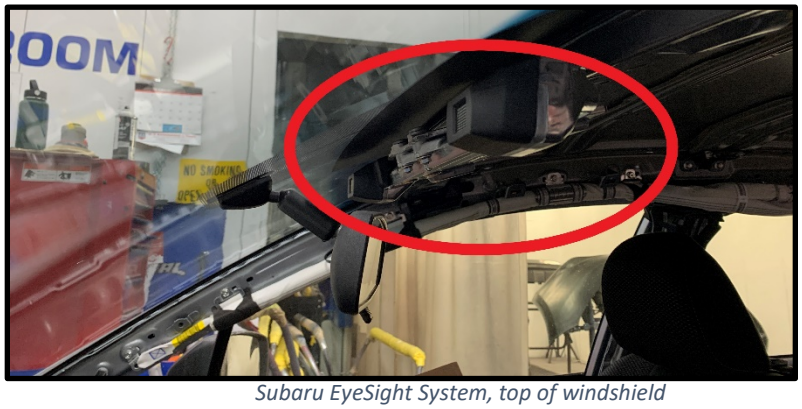
Source: Mazda Electronic Service Information

Mazda Blind Spot calibration setup

Reset Auto uses officially licensed Subaru software (Subaru Select Monitor 3&4) and calibration equipment

Subaru

Operation	When to Perform
Pre/Post Scans	- For model years 2004 and up, Subaru collision repair procedure requires a pre scan - Subaru collision repair procedure also requires that post-repair scanning be performed on these vehicles

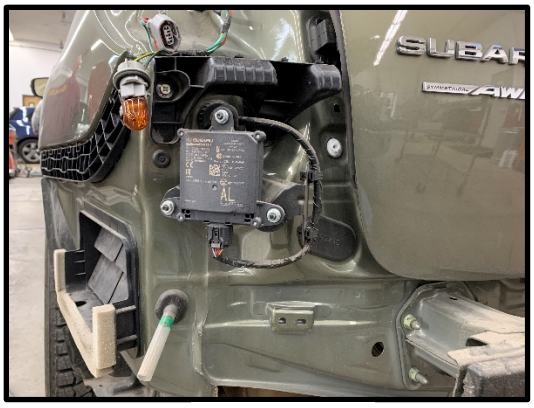


Subaru EyeSight System, top of windshield

Operation	When to Perform
EyeSight Calibration	- After a windshield or camera system replacement - Lane keep memory needs to be cleared after alignment or suspension work

Operation	When to Perform
Blind Spot Calibration	After removal/installation or replacement of the radar sensor or bracket

Operation	When to Perform
Seat Calibration	When removing the occupant detection system or removing or dissembling the passenger seat



Subaru Blind Spot

Operation	When to Perform
VDC Sensor Adjustment	After an alignment

Reset Auto uses officially licensed Nissan software (Nissan Consult III)

Nissan/Infiniti

Operation	When to Perform
Pre/Post Scans	Recommended pre scan prior to repairs after an accident. ALL Nissan vehicles from 2008 forward are REQUIRED to have a post-repair diagnostic scan.

Operation	When to Perform
Seat Calibration	Anytime the front passenger seat is removed OR If any part of the seats OCS system is replaced.

NOTE: Nissan calibrations require a framing rack for ADAS calibrations. These calibrations will have to be completed in-house.

CONTACT US

Scheduling and Technical Support

Nate, Senior ADAS Technician

nate@resetadas.com

626-800-2569

Billing and Account Services

Ali, Owner

Nate, Co-Owner

recalibrate@resetadas.com

Other Inquiries/General information

Ali, Owner

Nate, Co-Owner

recalibrate@resetadas.com

626-800-2569

Reset Auto subscribes to all OEM technical information systems. If your shop wishes to have the most up-to-date repair procedures or information, Reset Auto can help you.