



Program Requirements:

The GM Collision Repair Network (CRN) is a comprehensive certification program that takes into account the critical aspects of a collision repair. GM's rapid pace of evolving technology requires continuous improvement within the participating network to promote proper and safe repair of all GM vehicles.

All participating collision centers must be compliant with the GM Basic Program. To participate in the optional Internal Combustion Engine (ICE), and/or the Battery Electric Vehicle Basic (BEV), and/or GM Fleet (BrightDrop) specialty programs, collision centers must also meet all requirements for those programs listed in the sections below.

CRN Basic Program			
Requirements		Options	Notes/KPI
GM Basic - Training			
☐	I-CAR Gold status		Showing month and year of expiration
GM Basic - Facility			
☐	Business hours and phone number displayed on the exterior of the building		
☐	Maintain well-lit, clean customer parking/handicapped parking		
☐	Maintain professional/clean reception, waiting, and restroom areas		
☐	Spray booth with forced drying/curing system		
GM Basic - Business Practices			
☐	Customer communication	Email, Phone, Social Media, Text	
☐	Be in business for a minimum of (5) years, or possess verifiable credit rating and service history		
☐	Provide proof of Garage Keepers / liability insurance		Minimum \$1M policy limits
☐	Provide customers with a Limited Lifetime Warranty		
☐	Measure customer satisfaction through a third-party service provider		
☐	Utilize a preferred rental car provider or provide complimentary customer transportation		
☐	Subscribe to an Estimating System which includes access to GM Service Information (i.e., repair procedures) with the ability to provide documented proof of compliance	CCC Repair Methods, Mitchell Tech Advisor, Alldata, Collision SUN, Collision Repair Information, GMSI (General Motors Service Information), Repair Logic	
☐	Enroll in CollisionLink® Shop (free enrollment), install and enable Estimate Uploader Tool, and provide documented proof of compliance		Supports conquest programs
☐	AutoHouse Enrollment		Strongly recommended
GM Basic - Tools & Equipment			
☐	Completion of I-CAR course - Full-Frame Sports Utility Vehicles (SUV)		I-CAR Collision Repair of the 2021 General Motors (GM) Full-Frame Sport Utility Vehicles: 1 Hour Course.
☐	Designated set of hand/specialized tools for aluminum to prevent cross contamination		Dedicated and stored separately
☐	Heat Monitoring System		Temperature crayons, stickers, or non-contact thermometer
☐	Crack and dye penetrant kit		Penetrant - Cleaner - Developer

☐	Blind Structural Rivet Gun (BSR)		Electric or pneumatic; capable of pulling 1/4" structural rivets, with a minimum pulling force of 17 kn/3822 lbs.
☐	Utilize a (208-240v) Pulse Synergic MIG welder		200 Amp Output capacity for aluminum MIG GMAW
☐	Torque Wrench		Capable of reading in newton meters and pound feet, accurate from 10nm to 272nm (7 lb /ft to 250 lb /ft) - Annual calibration recommended
☐	Coolant Pressure Tester		
☐	Utilize a dent extraction system specifically designed for aluminum		
☐	Paint booth / Paint forced curing system		
☐	Paint thickness gauge for plastics		A paint gauge capable of accurately measuring paint film thickness on non-metal (plastic's) substrates which is nondestructive to the paint film
☐	Paint thickness gauge - Ferrous (Steel) and Non-Ferrous (Aluminum) metals		The Defelsko Positector is the GM <i>perferred</i> tool. For all other tools, the shop must adhere to OEM repair procedures for tool capability
☐	Paint System	AkzoNobel Coatings, Inc. Nexa, Autocolor, Axalta, Coating Systems, Octoral, BASF, PPG, Cromax, Sherwin-Williams, DeBeer, Spies Hecker, Martin-Senour, Standox Valspar	Paint must meet GM approved refinish materials GMW15406
☐	Dedicated mix room		Must have exhaust system and spill containment compliant with federal, state and local regulations. Paint mixing rooms must comply with state and federal OSHA and EPA requirements
☐	Frame Aligning Equipment / Frame Rack		Capable of supporting 7000 lbs. 4 holding points minimum for both unitized bodies and full frame vehicles
☐	Measuring System		3-dimensional electronic measuring system with a current software subscription
☐	Squeeze Type Resistance Spot Welding (STRSW) Equipment		220-volt, three phase. Minimum 350daN. Minimum 12000 amps Requires auto setting type SMART technology weld confirmation capabilities with GM specific software (if applicable)
☐	Shunting Clamp		Please ensure you provide proof of the approved GM software ID listed with the STRSW if applicable
☐	MIG/MAG weld equipment		208V-240V, 180 amp output capability
☐	MAG weld wire	Mag wire (ER70S-3 OR ER70S-6 is required Wire diameter can range from .023" -.035)	
☐	MIG Brazing Welder	208V-240V, 180 amp output capability	May use required steel or aluminum welder with proof of separate and dedicated conductor/torch assembly, drive rolls, and gas for silicon-bronze MIG-brazing
☐	MIG Brazing Wire	Mig wire ER CuSi-A or CuSi-3 is required	Diameter can range from 0.8 mm to 0.9 or .030 to .035
☐	Aluminum MIG Welder		208V-240V Pulse MIG Welder, 200 Amp output capability
☐	Aluminum MIG Wire	Mig pulse wire must be 5554 alloy	Diameter can range from 0.9mm to 1.2mm or .035 to .047)
☐	Shielding Gases		Steel Welding - Argon/CO2 80/20% mix preferred 75/25 mix accepted MIG Braze - Argon 100% Aluminum MIG - Argon 100%
☐	Equipment to perform test welds/destructive tests	Vertical and overhead welding	Recommended
☐	Bench mounted vise		Stand capable of holding samples to perform vertical and overhead test welds. Stationary vise for destructive testing of welds. Vernier caliper or equivalent tools for measuring destructive weld samples

☐	Dent Removal Pulling System for Steel		Separate from aluminum dent pulling tools
☐	Dent Removal Pulling System for Aluminum		Utilize a dent extraction system specifically designed for aluminum to prevent cross-contamination
☐	Digital temperature equipment		Non-contact equipment required
☐	A/C recovery / recycle / charging station for R134a and R1234YF		Compliant with all current regulations
☐	A/C Electronic Leak Detector		Leak detection tool is required if the collision center performs IN-HOUSE R-134a and R1234YF recharging/recovery/recycling
☐	Battery Charger - 12v		Smart charger capable of monitoring and maintaining dedicated battery voltage
☐	Battery Load Tester	Load testing and battery analyzing capability	Sublet scanning provider must have load testing and battery analyzing capability
☐	Two or Four post lift		Minimum lifting capacity of 7,000 lbs.
☐	Coolant Pressure Tester		Not required if work is sublet
☐	Wheel Alignment Rack		Not required if work is sublet
☐	Wheel Alignment Measuring System		Not required if work is sublet
☐	Engine Cart		Not required if work is sublet
☐	Engine Hoist		Not required if work is sublet

*Diagnostic Scan			
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***Not all scan tools or software read all DTC codes. Please refer to GM's Position Statement on scanning and tools GM supports found here:**

<https://www.gmparts.com/technical-resources/position-statements>

***If you sublet your scanning and calibration work out to a 3rd party please ensure that they follow the below protocol.**

<https://www.acdelcotds.com/subscriptions#>

☐	GM Approved Scan/Calibration Options	AirPro Diagnostics	Utilizes GDS2 and/or Tech2Win Runs GDS2 locally (on a computer on-site with the vehicle)
		AsTech	Utilizes GDS2 and/or Tech2Win Runs GDS2 and/or Tech2Win remotely (on computer in asTech® data center)
		Bosch	Utilizes GDS2 and/or Tech2Win Runs GDS2 and/or Tech2Win remotely (on computer in Bosch data center)
		Drew Technologies/ OPUS IVS	Utilizes GDS2 and/or Tech2Win Runs GDS2 locally (on a computer on-site with the vehicle)
		GM MDI 2	Utilizes GDS2 and/or Tech2Win Runs GDS2 locally (on a computer on-site with the vehicle)
		Mitchell Diagnostics (MD-OEM)	Utilizes GDS2 and/or Tech2Win Runs GDS2 locally (on a computer on-site with the vehicle)
		Mitchell Diagnostics (MD-OE22)	Runs GDS2 and/or Tech2Win Remotely Utilizing the Multiple Diagnostic Interface 2 (MDI-2)
		Protech	Utilizes GDS2 and/or Tech2Win Runs GDS2 locally (on a computer on-site with the vehicle)

BEV Basic Program

BEV Basic -Tools & Equipment			
☐	On-vehicle HV signage/other HV visual identifiers		
☐	Electric charging station		Preferred level 2 or greater

☐	Insulated hand tools		
☐	Electrical safety rescue hook		
☐	Certified Class 0 insulated lineman's gloves		Certified and current
☐	Frame Rack/Fixture Bench		9,200 lbs. capacity
☐	GM Electronic Service Information (GM eSI) Subscription		Discounted cost
☐	Two or Four Post Surface Lift		Minimum 10,000 lb recommended. Scissor lifts acceptable
BEV Basic -Training			
☐	GMC Hummer Electric Vehicle (EV)		I-CAR certificate of completion. Minimum one technician per class.
☐	Introduction to Electric Vehicles		
☐	Electrical Theory		
☐	EV Initial Inspection and Handling		
☐	Understanding High Voltage Safety		
☐	EV Damage Analysis Course		
☐	GM BEV Basic Training Package		
NOTE: EV collision repairs can be performed at a certified GM BEV Basic collision center. Electrification work must be completed at a GM EV dealer.			

GM Fleet - BrightDrop			
GM Fleet -Tools & Equipment			
	GM Fleet will require compliance with all GM Basic and BEV Basic tool, equipment, and training		
☐	Minimum 15,000 lb. 3-stage/Max Reach hoist		At least 74 inch max reach arms capacity
☐	10 foot entry		Garage door minimum height of 10 ft.
☐	9,200 lb. Frame Rack/Fixture Bench	Recommend vehicles are empty prior to repair	Capable of accomodating 19 ft wheel base
☐	Large aluminum work area		30 ft long 15 ft wide 450 sq ft
☐	Utilize an immersion type, wet mix dust extraction system or pneumatic vacuum system dedicated to aluminum		Required for structual aluminum repair
☐	AGM Compatible 12V Charger and Tester		
☐	High Voltage EV Charger		Prefer level 2 or greater
☐	GM approved self piercing riveter	GM X-Press 800 with W&S RS-17 Die Kit ProSpot with the ProSpot SA-9028 Die Kit	
☐	Countersink Cutter Kit		GM Countersink Cutter Kit - WS 617241
NOTE: BrightDrop EV collision repairs can be performed at a certified GM Fleet collision center. Electrification work must be completed at a GM EV Fleet dealer.			

Cadillac CT6 Program			
Cadillac CT6 -Tools & Equipment			
☐	Cadillac CT6 fixture/holding sets		Universal fixturing is acceptable
☐	Aluminum Work Area (Dedicated)		Minimum Curtain: 23'L x 12"W x 8'H
☐	Utilize an immersion type, wet mix dust extraction system or pneumatic		Required for structural aluminum repair
☐	Countersink Cutter Kit		GM Countersink Cutter Kit - WS 617241
☐	Cadillac CT6: Wielander & Schill Express 800 Rivet Gun with RS-10 kit	CT6 only for structural repair. Restricted parts released to repairers who have the WS Rivet Gun	Must include W&S RS-10 die kit
Cadillac CT6 - Training			
☐	Training & Certification - Aluminum GMA (MIG) Welding		I-CAR certificate of completion. Minimum two structural technicians

Corvette C8 Program			
Corvette C8 -Tools & Equipment			
☐	Chevrolet Corvette C8 fixture/holding sets		Universal fixturing is acceptable

☐	Aluminum Work Area (Dedicated)		Minimum Curtain: 23'L x 12'W x 8'H
☐	Utilize an immersion type, wet mix dust extraction		Required for structural aluminum repair

Corvette C8 - Training

☐	Collision Repair of the 2020 GM Corvette C8		I-CAR certificate of completion. Minimum two structural technicians
☐	Training & Certification - Aluminum GMA (MIG) Welding		I-CAR certificate of completion. Minimum two structural technicians

*Acronym Key

☐	ICE - Internal Combustion Engine Vehicles		
☐	BEV - Battery Electric Vehicles		
☐	CRN - Certified Repair Network		
☐	ADAS - Advanced Driver Assistance System		

*Help & Resources

I-CAR	https://info.i-car.com/network-programs/oem/GM
RepairLogic	https://oeconnection.com/products/repairlogic/
GM Technical Support	gmcollision.techsupport@gm.com
Database Enhancement Gateway (DEG)	https://degweb.org/
General Motors CRN Program	https://www.gmparts.com/technical-resources/collision-repair-network
CRN - Certified Repair Network	Mitchell Cloud™ Estimating: https://www.mitchell.com/cloud-estimating
CollisionLink® Estimate Uploader Tool	https://collisionlinkshop.com/AgentInstallers/3.193.2.0/setup.exe
My GM Partner Perks Program Info	800-253-3428 or https://www.mygmpartnerperks.com
GM CRN Support	gmcollisionrepairnetwork@gm.com
OEC Support	Phone number: (949) 630-0439; Email: gm-crn@oeconnection.com

*GM reserves the right to modify, amend, suspend or alter the CRN Program, at any time an its sole business discretion.