



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.

Requirements	Options	Notes/KPI
GM Basic Program		
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)	
Enroll in CollisionLink® Shop (free enrollment), install and enable Estimate Uploader Tool, and provide documented proof of compliance		Supports conquest programs
AutoHouse Enrollment		
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>preferred</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**

*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	GM MDI 2	Utilizes GDS2 and/or Tech2Win Runs GDS2 locally (on a computer on-site with the vehicle)
	AirPro Diagnostics	Utilizes GDS2 and/or Tech2Win Runs GDS2 locally (on a computer on-site with the vehicle)
	Drew Technologies/ OPUS IVS	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)
	AsTech	Utilizes GDS2 and/or Tech2Win Runs GDS2 and/or Tech2Win remotely (on computer in asTech® data center)

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
Introduction to Electric Vehicles		I-CAR certificate of completion. Minimum one technician
Electrical Theory		I-CAR certificate of completion. Minimum one technician
EV Initial Inspection and Handling		I-CAR certificate of completion. Minimum one technician
Understanding High Voltage Safety		I-CAR certificate of completion. Minimum one technician
EV Damage Analysis Course		I-CAR certificate of completion. Minimum one technician
GM BEV Basic Training Package		I-CAR certificate of completion. Minimum one technician
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 structural 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.		
ICE Specialty Program		
ICE Specialty - Tools & Equipment		
Chevrolet Corvette C8 fixture/holding sets		Universal fixturing is acceptable
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 vacuum system dedicated to aluminum		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
ICE Specialty - 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

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

*Acronym Key	
ICE - Internal Combustion Engine Vehicles	
BEV - Battery Electric Vehicles	
CRN - Certified Repair Network	
ADAS - Advanced Driver Assistance System	
*Resources	
I-CAR	https://info.i-car.com/network-programs/oem/GM
RepairLogic	https://oeconnection.com/products/repairlogic/
GM Technical Support	gmcollision.techsupport@qm.com
Database Enhancement Gateway (DEG)	https://degweb.org/
General Motors CRN Program	https://www.qmparts.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@qm.com
OEC Support	Phone number: (949) 630-0439; Email: gm-crn@oeconnection.com