



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) Specialty Program** and/or the **Battery Electric Vehicle Basic Program (BEV)**, and/or **GM Fleet (BrightDrop)**, collision centers must also meet all the requirements for those program 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	E-mail - Phone call - 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 with a minimum of \$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		Recommended
GM Basic - Tools & Equipment			
	Full-Frame Sports Utility Vehicles (SUV)		I-CAR Collision Repair of the 2021 General Motors (GM) Full-Frame Sport Utility Vehicle: 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 with 200 Amp output capability for aluminum MIG GMAW as outlined in General Motors Tool & Equipment List		
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 as outlined in General Motors Tool & Equipment list		
Paint booth / Paint forced curing system		Meets the specifications of utilized GM approved refinish system.
Paint mil thickness gauge - Non metal substrates		A paint gauge capable of accurately measuring paint film thickness on non-metal (Plastic's) substrates which is nondestructive to the paint film.
Paint mil thickness gauge - Ferrous (Steel) and Non-Ferrous (Aluminum)		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. Axalta Coating Systems BASF Cromax DeBeer Martin-Senour Valspar	Nexa Autocolor Octoral PPG Sherwin-Williams Spies Hecker Standox
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 MIG Braze - Argon 100% Aluminum MIG - Argon 100%
Designated 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		
Dent Removal Pulling System for Aluminum		Utilize a dent extraction system specifically designed for aluminum to prevent cross contamination. Must have hammers & dollies, mechanical locking pliers ("vise grips"), and 4-5 different pairs of locking pliers all stored separately.
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 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		Minumum 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
Additional Tools		
GM	GM Countersink Cutter Kit - WS 617241	WS 617241
Wielander & Schill	Wielander & Schill Express 800 Rivet Gun	
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	
*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 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)

GM Approved Scan/Calibration Options	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		BEV Charging station
Insulated hand tools		
Electrical safety rescue hook		
Certified Class 0 insulated lineman's gloves		
Frame rack/Fixture Bench		9,200 lbs. capacity
GM eSI		Discounted cost for existing MYGMPP with Pro Perks++ members
Two or Four Post Surface Lift		Minimum 10,000 lb recommended Scissor lifts acceptable with adequate access to underbody.
BEV Basic -Training		
Hummer		I-CAR General Motors Company (GMC) Hummer Electric Vehicle (EV): 1 Hour Course
Introduction to Electric Vehicles (HV) Course		I-CAR certificate of completion. Minimum one technician.
Electrical Theory Course		I-CAR certificate of completion. Minimum one technician.
EV Initial Inspection and Handling Course		I-CAR certificate of completion. Minimum one technician.
Understanding High Voltage - Safety Course		I-CAR certificate of completion. Minimum one technician.
EV Damage Analysis Course		I-CAR certificate of completion. Minimum one technician.
Diagnostic Scan Tool that can capture diagnostic trouble codes (DTC) Utilizing the Multiple Diagnostic Interface 2 (MDI-2) or any SAE J2534 compliant device.		
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		Capable of accomodating 19 ft wheel base. Recommend vehicles are empty of purchaser's equipment prior to repair
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 as outlined in General Motors Tool & Equipment list		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	W&S RS-17 Die Kit
GM approved self piercing riveter	ProSpot	Pro-Spot 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.		
GM Fleet -Training		
GMA Mig Welding	Certificate of completion	I-CAR Training and Certification: Aluminum GMA (MIG) Welding
Must meet GM Basic and BEV Basic training requirements		I-CAR certificate of completion. Minimum one technician.

ICE Specialty Program		
ICE Specialty -Tools & Equipment		
C8 fixture/holding sets	Car-O-Liner Celette Car Bench Spanesi Chief	Reference ICE Specialty tool list
CT6 fixture/holding sets	Car-O-Liner Celette	Reference ICE Specialty tool list
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 as outlined in General Motors Tool & Equipment list		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		
Corvette C8		I-CAR "Collision Repair of the General Motors (GM) Corvette C8"
GMA Mig Welding	Certificate of completion	I-CAR Training and Certification: Aluminum GMA (MIG) Welding
*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@gm.com	
Database Enhancement Gateway (DEG)	https://degweb.org/	
Dealer Body Shop (DBS)	gmdbsprogram@gm.com	
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	
GM Center of Learning	In Global Connect, access the Center of Learning app. Click 'help desk' option at the bottom of the page	
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	

ICE Specialty C8 and CT6 Bench Reference Information			
Brand		Model	Reference Number
ICE Specialty - C8 & CT6 Frame Racks			
Frame Benches			
Car-O-Liner			
Car-O-Liner	BenchRack 4200*	NA-34573-KIT	
Car-O-Liner	BenchRack 5000*	NA-34639-KIT	
Car-O-Liner	BenchRack 5500*	NA-34640-KIT	
Car-O-Liner	BenchRack 6300*	NA-33907-KIT	
Car-O-Liner	Quick 42*	46642	
Celette			
Celette	Sevenne/Sevenne XL*	SVN17.3212/SVN09XL.3112	
Celette	Griffon/Griffon XL*	GR16F.38021.x/GXL08.5812.x	
Celette	Rhone/Rhone XL*	RH18XLM.4221.x/RH18XLF.4211.x	
Celette	Smart Rhone*	RH19S.3501N; RH19S.3501X; RH19S.3502N; RH19S.3502X; RH19S.3503N; RH19S.3503X	
Car Bench International			
Car Bench International	Manta*	CBIMANTA	
Car Bench International	Manta XL 5.2 meters	CBIMANTA	
Car Bench International	Muraena*	CBIMURAENA	
Spanesi			
Spanesi	106 Bench* (6 crossmember package)	920SABP701	
Spanesi	106 EXT Bench* (7 crossmember package)	920SABPA01	
Chief			
Chief	Excelerator		
Chief	EZ Liner, Standard, S21/S21M		
Chief	18' Impulse/Impulse Tilt		
Chief	20' Impulse/Impulse Tilt		
Chief	18'/20' Impulse VHT		
Chief	18'/20' E-VHT		
Chief	Goliath		
Chief	Fuzion		
Chief	Titan-360 21 series		
ICE Specialty - C8 & CT6 Anchor/Fixture sets			
Anchoring and Fixturing			
Car-O-Liner			
Car-O-Liner	EVO 1 Basic Anchoring System	35413	
Car-O-Liner	EVO 2 Extended Anchoring System	35419	
Car-O-Liner	EVO3 Universal Fixturing System	35719	
Car-O-Liner	EVO 630mm tower (2 req'd)	35067	
Car-O-Liner	B248 anchoring plate (4 req'd)	30638	
Car-O-Liner	B333 fixture (4 req'd)	30641	

Celette			
Celette	22 MZ Towers (with pins)	MZ450.010	
Celette	MZ Trolley	MZ450.907	
Celette	MZ Plus kit	MZ2500.000	
Celette	Set Of 6 Universal Crossmembers Aluminum	955A.9612	
Celette	Cameleon Universal - Required for Celette benches	CAM02.162	
Celette	Cameleon Side Body kit	CAM04.032	
Celette	Universal side gantry	9113.063	
Celette	Mechanical door brace	9121.523	
Celette	CT6 fixtures		
Celette	CT6 side fixtures		
Celette	Additional Straight Cross Member	955A908	
Global Jig			
Global Jig	Evolution 5000, 5 Meter Evolution Bench: GJG630	Cadillac CT6 supplement fixture kit: GJSCT6	
Global Jig	Super Rotax 5 Meter (includes 12 point universal fixturing kit) GLG350	12 Point Evolution Kit (Evolution Benches only): GJE812, GJ814	
Global Jig	Super Rotax 6 Meter (includes 12 point universal fixturing kit)	McPherson Upper and Side Body Measuring System:	
Global Jig	System Mobile 5 Meter (includes 12 point universal fixturing kit) GLG130, G JD101/1	Long Bolt Kit: GJD550	
Global Jig	System Mobile 6 Meter (includes 12 point universal fixturing kit) GLG136	Large Diameter Bolt Kit: GJD248	
Car Bench International			
Car Bench International	PACDIMA08 8-point system	Minimum 8 required	
Car Bench International	PACDIMA12 12-point system	12 point optional	
Car Bench International	C281 Side,Upper		
Spanesi			
Spanesi	Superstar Universal Fixturing	N/A	
Chief			
Chief	C8 complete structural holding system * OR *	CK300036	
Chief	* OR 1-Structural Holding	CK300021	
Chief	* Base w/tool board and cart		
Chief	* 1-GM Base w/tool chest	CK300037	
Chief	* 1-Corvette C8 w/ tool chest	CK300038	
Chief	* 1-Upper Body Structural Holding	CK300039	
Chief	Additional Bases if needed (minimum of 10 required)	502128	
Additional Equipment and Accessories			
Frame Equipment and Accessories			
Car-O-Liner		CT6 Fixture Kit	
Spanesi		Crossbar Length 1800 mm with #02 sliding supports	
Spanesi		Platforms for additional 6th cross bar	
Spanesi		Aluminum Bushing kits	
Spanesi	Pista	Kit of specialized screws for jig complete with shelves	
Chief		Structural Holding with the CT-6 attachments	
Chief		CK300003	
Chief	22' E/VHT		
Chief	Goliath 22'		