



## 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**, collision centers must also meet all the requirements for those program listed in the sections below.

Requirements		Options	Notes/KPI
<b>GM Basic Program</b>			
<b>GM Basic - Training</b>			
<input type="checkbox"/>	I-CAR Gold status		Showing month and year of expiration
<b>GM Basic - Facility</b>			
<input type="checkbox"/>	Business hours and phone number displayed on the exterior of the building		
<input type="checkbox"/>	Maintain well-lit, clean customer parking/handicapped parking		
<input type="checkbox"/>	Maintain professional/clean reception, waiting, and restroom areas		
<input type="checkbox"/>	<a href="#">Spray booth with forced drying/curing system</a>		
<b>GM Basic - Business Practices</b>			
<input type="checkbox"/>	Customer communication	E-mail Phone call Social Media Text	
<input type="checkbox"/>	Be in business for a minimum of (5) years, or possess verifiable credit rating and service history		
<input type="checkbox"/>	Provide proof of garage keepers liability insurance with a minimum of \$1M policy limits		
<input type="checkbox"/>	Provide customers with a Limited Lifetime Warranty		
<input type="checkbox"/>	Measure customer satisfaction through a third-party service provider		Provider:
<input type="checkbox"/>	Utilize a preferred rental car provider or provide complimentary customer transportation		Provider:
<input type="checkbox"/>	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)	
<input type="checkbox"/>	Enroll in CollisionLink® Shop (free enrollment) install and enable Estimate Uploader tool and provide documented proof of compliance.		Supports conquest programs
<input type="checkbox"/>	<a href="#">AutoHouse Enrollment</a>		Recommended

GM Basic - Tools & Equipment		
<input type="checkbox"/>	Full-Frame Sports Utility Vehicles (SUV)	I-CAR Collision Repair of the 2021 General Motors (GM) Full-Frame Sport Utility Vehicle: 1 Hour Course.
<input type="checkbox"/>	Have a designated set of hand/specialized tools for aluminum to prevent cross contamination	Dedicated and stored separately.
<input type="checkbox"/>	Heat Monitoring System	Temperature crayons, stickers, or non-contact thermometer.
<input type="checkbox"/>	Crack and dye, penetrant kit	Penetrant/Cleaner/Developer
<input type="checkbox"/>	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.
<input type="checkbox"/>	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	
<input type="checkbox"/>	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.
<input type="checkbox"/>	Coolant Pressure Tester	
<input type="checkbox"/>	<a href="#">Utilize a dent extraction system specifically designed for aluminum as outlined in General Motors Tool &amp; Equipment list</a>	
<input type="checkbox"/>	Paint booth / Paint forced curing system	Meets the specifications of utilized GM approved refinish system.
<input type="checkbox"/>	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.
<input type="checkbox"/>	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.
<input type="checkbox"/>	Paint System	<div> AkzoNobel Coatings, Inc.  Axalta Coating Systems  BASF  Cromax  DeBeer  Martin-Senour  Valspar </div> <div> Nexa Autocolor  Octoral  PPG  Sherwin-Williams  Spies Hecker  Standex </div>
<input type="checkbox"/>	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.
<input type="checkbox"/>	Frame Aligning Equipment /Frame Rack	Capable of supporting 7000 lbs. 4 holding points minimum for both unitized bodies and full frame vehicles.
<input type="checkbox"/>	Measuring System	3-dimensional electronic measuring system with a current software subscription.

<input type="checkbox"/>	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)
<input type="checkbox"/>	Shunting Clamp		Please ensure you provide proof of the approved GM software ID listed with the STRSW if applicable.
<input type="checkbox"/>	MIG/MAG weld equipment		208V-240V, 180 Amp output capability.
<input type="checkbox"/>	MAG weld wire	Mag wire (ER70S-3 OR ER70S-6 is required Wire diameter can range from .023" - .035)	
<input type="checkbox"/>	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.
<input type="checkbox"/>	MIG Brazing Wire	Mig wire (ER CuSi-A or CuSi-3 is required. Wire diameter can range from 0.8 mm to 0.9 or .030 to .035.)	
<input type="checkbox"/>	Aluminum MIG Welder		208V-240V Pulse MIG Welder, 200 Amp output capability.
<input type="checkbox"/>	Aluminum MIG Wire	Mig pulse wire (*Wire must be 5554 alloy. *Can range from 0.9mm to 1.2mm or .035 to .047 diameter)	
<input type="checkbox"/>	Shielding Gases		Steel Welding - Argon/CO2 80/20% mix MIG Braze - Argon 100% Aluminum MIG - Argon 100%
<input type="checkbox"/>	Designated equipment to perform test welds/destructive tests	Vertical and overhead welding	Recommended
<input type="checkbox"/>	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.
<input type="checkbox"/>	Dent Removal Pulling System for Steel		
<input type="checkbox"/>	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.
<input type="checkbox"/>	Digital temperature equipment		Non-contact equipment required
<input type="checkbox"/>	A/C recovery / recycle / charging station for R134a and R1234YF		Compliant with all current regulations
<input type="checkbox"/>	A/C Electronic Leak Detector		Leak detection tool is required if the collision center performs IN-HOUSE R-134a recharging/recovery/recycling .
<input type="checkbox"/>	Battery Charger - 12v		Smart Charger capable of monitoring and maintaining dedicated battery voltage.
<input type="checkbox"/>	Battery Load Tester		Load testing and battery analyzing capability. Sublet scanning provider must have load testing and battery analyzing capability.
<input type="checkbox"/>	Two or Four post lift		Minumum lifting capacity of 7,000 lbs.
<input type="checkbox"/>	Coolant Pressure Tester		Not required if work is sublet
<input type="checkbox"/>	Wheel Alignment Rack		Not required if work is sublet
<input type="checkbox"/>	Wheel Alignment Measuring System		Not required if work is sublet
<input type="checkbox"/>	Wheel Balancer		Not required if work is sublet
<input type="checkbox"/>	Tire Changer		Not required if work is sublet
<input type="checkbox"/>	Engine Cart		Not required if work is sublet
<input type="checkbox"/>	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:		
<a href="https://www.gmparts.com/technical-resources/position-statements">https://www.gmparts.com/technical-resources/position-statements</a>		
*If you sublet your scanning and calibration work out to a 3rd party please ensure that they follow the below protocol.		
<a href="https://www.acdelcotds.com/subscriptions#">https://www.acdelcotds.com/subscriptions#</a>		
□ 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)
<b>ICE Specialty Program</b>		
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 Car Bench Spanesi Chief Global Jig	Reference ICE Specialty tool list
□ Aluminum Work Area (Dedicated)		Minimum Curtain: 23'L x 12'W x 8'H Large Curtain: 25'L x 12'W x 10'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		<a href="#">GM Countersink Cutter Kit</a>
□ <a href="#">Cadillac CT6: Wielander &amp; Schill Express 800 Rivet Gun with RS-10 kit</a>	CT6 Only for structural repair Restricted parts released to repairers who have the WS Rivet Gun	Owned or Rental
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

## BEV Basic Program

BEV Basic -Tools & Equipment		
<input type="checkbox"/>	On-vehicle HV signage/other HV visual identifiers	
<input type="checkbox"/>	Electric charging station	BEV Charging station
<input type="checkbox"/>	Insulated hand tools	
<input type="checkbox"/>	Electrical safety rescue hook	
<input type="checkbox"/>	Certified Class 0 insulated lineman's gloves	
<input type="checkbox"/>	Frame rack/Fixture Bench	9,200 lbs. capacity
<input type="checkbox"/>	GM eSI	Discounted cost for existing MYGMPP with Pro Perks++ members
<input type="checkbox"/>	Two or Four Post Surface Lift	Minimum 10,000 lb recommended Scissor lifts acceptable with adequate access to underbody.
BEV Basic -Training		
<input type="checkbox"/>	Hummer	I-CAR General Motors Company (GMC) Hummer Electric Vehicle (EV): 1 Hour Course
<input type="checkbox"/>	Introduction to Electric Vehicles (HV) Course	I-CAR certificate of completion. Minimum one technician.
<input type="checkbox"/>	Electrical Theory Course	I-CAR certificate of completion. Minimum one technician.
<input type="checkbox"/>	EV Initial Inspection and Handling Course	I-CAR certificate of completion. Minimum one technician.
<input type="checkbox"/>	Understanding High Voltage - Safety Course	I-CAR certificate of completion. Minimum one technician.
<input type="checkbox"/>	EV Damage Analysis Course	I-CAR certificate of completion. Minimum one technician.
<input type="checkbox"/>	Diagnostic Scan Tool that can capture diagnostic trouble codes (DTC) Utilizing the Multiple Diagnostic Interface 2 (MDI-2) or any SAE J2534 compliant device.	
<b>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.</b>		
*Acronym Key		
	ICE - Internal Combustion Engine Vehicles	
	BEV - Battery Electric Vehicles	
	CRN - Certified Repair Network	
	ADAS - Advanced Driver Assistance System	
*Resources		
	I-CAR	<a href="http://www.i-car.com/s/">www.i-car.com/s/</a>
	RepairLogic	<a href="https://oeconnection.com/products/repairlogic/">https://oeconnection.com/products/repairlogic/</a>
	GM Technical Support	<a href="mailto:gmcollision.techsupport@gm.com">gmcollision.techsupport@gm.com</a>
	Database Enhancement Gateway (DEG)	<a href="https://degweb.org/">https://degweb.org/</a>
	Dealer Body Shop (DBS)	<a href="mailto:gmdbsprogram@gm.com">gmdbsprogram@gm.com</a>
	General Motors CRN Program	<a href="https://www.gmparts.com/technical-resources/collision-repair-network">https://www.gmparts.com/technical-resources/collision-repair-network</a>
	CRN - Certified Repair Network	Mitchell Cloud™ Estimating: <a href="https://www.mitchell.com/cloud-estimating">https://www.mitchell.com/cloud-estimating</a> CCC® ONE Estimating: <a href="https://cccis.com/collision-repairers/ccc-one/estimating/">https://cccis.com/collision-repairers/ccc-one/estimating/</a> Audatex Estimating: <a href="https://try.audatex.us/collision-estimating/">https://try.audatex.us/collision-estimating/</a>
	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	<a href="https://collisionlinkshop.com/AgentInstallers/3.193.2.0/setup.exe">https://collisionlinkshop.com/AgentInstallers/3.193.2.0/setup.exe</a>
	My GM Partner Perks Program Info	888.842.0336 or <a href="https://www.mygmpartnerperks.com/#/login">https://www.mygmpartnerperks.com/#/login</a>
	GM CRN Support	<a href="mailto:gmcollisionrepairnetwork@gm.com">gmcollisionrepairnetwork@gm.com</a>
	OEC Support	Phone number: (949) 630-0439

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## ICE Specialty C8 and CT6 Bench Reference Information

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.

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Brand		Model	Reference Number
<b>ICE Specialty - C8 &amp; CT6 Frame Racks</b>			
<b>Frame Benches</b>			
<b>Car-O-Liner</b>			
<input type="checkbox"/>	Car-O-Liner	BenchRack 4200*	NA-34573-KIT
<input type="checkbox"/>	Car-O-Liner	BenchRack 5000*	NA-34639-KIT
<input type="checkbox"/>	Car-O-Liner	BenchRack 5500*	NA-34640-KIT
<input type="checkbox"/>	Car-O-Liner	BenchRack 6300*	NA-33907-KIT
<input type="checkbox"/>	Car-O-Liner	Quick 42*	46642
<b>Celette</b>			
<input type="checkbox"/>	Celette	Sevenne/Sevenne XL*	SVN17.3212/SVN09XL.3112
<input type="checkbox"/>	Celette	Griffon/Griffon XL*	GR16F.38021.x/GXL08.5812.x
<input type="checkbox"/>	Celette	Rhone/Rhone XL*	RH18XLM.4221.x/RH18XLF.4211.x
<input type="checkbox"/>	Celette	Smart Rhone*	RH19S.3501N; RH19S.3501X; RH19S.3502N; RH19S.3502X; RH19S.3503N; RH19S.3503X
<b>Car Bench International</b>			
<input type="checkbox"/>	Car Bench International	Manta*	CBIMANTA
<input type="checkbox"/>	Car Bench International	Manta XL 5.2 meters	CBIMANTA
<input type="checkbox"/>	Car Bench International	Muraena*	CBIMURAENA
<b>Spanesi</b>			
<input type="checkbox"/>	Spanesi	106 Bench* (6 crossmember package)	92OSABP701
<input type="checkbox"/>	Spanesi	106 EXT Bench* (7 crossmember package)	92OSABPA01
<b>Chief</b>			
<input type="checkbox"/>	Chief	Exceleator	
<input type="checkbox"/>	Chief	EZ Liner, Standard, S21/S21M	
<input type="checkbox"/>	Chief	18' Impulse/Impulse Tilt	
<input type="checkbox"/>	Chief	20' Impulse/Impulse Tilt	
<input type="checkbox"/>	Chief	18'/20' Impulse VHT	
<input type="checkbox"/>	Chief	18'/20' E-VHT	
<input type="checkbox"/>	Chief	Goliath	
<input type="checkbox"/>	Chief	Fuzion	
<input type="checkbox"/>	Chief	Titan-360 21 series	

## ICE Specialty - C8 & CT6 Anchor/Fixture sets

### Anchoring and Fixturing

#### Car-O-Liner

<input type="checkbox"/>	Car-O-Liner	EVO 1 Basic Anchoring System	35413
<input type="checkbox"/>	Car-O-Liner	EVO 2 Extended Anchoring System	35419
<input type="checkbox"/>	Car-O-Liner	EVO3 Universal Fixturing System	35719
<input type="checkbox"/>	Car-O-Liner	EVO 630mm tower (2 req'd)	35067
<input type="checkbox"/>	Car-O-Liner	B248 anchoring plate (4 req'd)	30638
<input type="checkbox"/>	Car-O-Liner	B333 fixture (4 req'd)	30641

#### Celette

<input type="checkbox"/>	Celette	22 MZ Towers (with pins)	MZ450.010
<input type="checkbox"/>	Celette	MZ Trolley	MZ450.907
<input type="checkbox"/>	Celette	MZ Plus kit	MZ2500.000
<input type="checkbox"/>	Celette	Set Of 6 Universal Crossmembers Aluminum	955A.9612
<input type="checkbox"/>	Celette	Cameleon Universal - Required for Celette benches	CAM02.162
<input type="checkbox"/>	Celette	Cameleon Side Body kit	CAM04.032
<input type="checkbox"/>	Celette	Universal side gantry	9113.063
<input type="checkbox"/>	Celette	Mechanical door brace	9121.523
<input type="checkbox"/>	Celette	CT6 fixtures	
<input type="checkbox"/>	Celette	CT6 side fixtures	
<input type="checkbox"/>	Celette	Additional Straight Cross Member	955A908

#### Global Jig

<input type="checkbox"/>	Global Jig	Evolution 5000, 5 Meter Evolution Bench: GJG630	Cadillac CT6 supplement fixture kit: GJSCT6
<input type="checkbox"/>	Global Jig	Super Rotax 5 Meter (includes 12 point universal fixturing kit) GLG350	12 Point Evolution Kit (Evolution Benches only): GJE812, GJ814
<input type="checkbox"/>	Global Jig	Super Rotax 6 Meter (includes 12 point universal fixturing kit) GLG350	McPherson Upper and Side Body Measuring System: GJD123
<input type="checkbox"/>	Global Jig	System Mobile 5 Meter (includes 12 point universal fixturing kit) GLG130, GJD101/1	Long Bolt Kit: GJD550
<input type="checkbox"/>	Global Jig	System Mobile 6 Meter (includes 12 point universal fixturing kit) GLG136	Large Diameter Bolt Kit: GJD248

#### Car Bench International

<input type="checkbox"/>	Car Bench International	PACDIMA08 8-point system	Minimum 8 required
<input type="checkbox"/>	Car Bench International	PACDIMA12 12-point system	12 point optional
<input type="checkbox"/>	Car Bench International	C281 Side,Upper	

#### Spanesi

<input type="checkbox"/>	Spanesi	Superstar Universal Fixturing	N/A
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#### Chief

<input type="checkbox"/>	Chief	C8 complete structural holding system * OR *	CK300036
<input type="checkbox"/>	Chief	* OR 1-Structural Holding	CK300021
<input type="checkbox"/>	Chief	* Base w/tool board and cart	
<input type="checkbox"/>	Chief	* 1-GM Base w/tool chest	CK300037
<input type="checkbox"/>	Chief	* 1-Corvette C8 w/ tool chest	CK300038
<input type="checkbox"/>	Chief	* 1-Upper Body Structural Holding	CK300039
<input type="checkbox"/>	Chief	Additional Bases if needed (minimum of 10 required)	502128

## Additional Equipment and Accessories

### Frame Equipment and Accessories

<input type="checkbox"/>	Car-O-Liner		CT6 Fixture Kit
<input type="checkbox"/>	Spanesi		Crossbar Length 1800 mm with #02 sliding supports
<input type="checkbox"/>	Spanesi		Platforms for additional 6th cross bar
<input type="checkbox"/>	Spanesi		Aluminum Bushing kits
<input type="checkbox"/>	Spanesi	Pista	Kit of specialized screws for jig complete with shelves
<input type="checkbox"/>	Chief		Structural Holding with the CT-6 attachments
<input type="checkbox"/>	Chief		CK300003
<input type="checkbox"/>	Chief	22' E/VHT	
<input type="checkbox"/>	Chief	Goliath 22'	

## Additional Tools

<input type="checkbox"/>	GM	<a href="#">C8 countersink cutter tool kit</a>	AT1590CSKGM
<input type="checkbox"/>	Wielander & Schill	<a href="#">Xpress 800 pn#700000</a>	Owned or Rental
<input type="checkbox"/>	Wielander & Schill	<a href="#">Xpress 800 RS-10 Tool Kit pn#700208</a>	Owned or Rental
<input type="checkbox"/>	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	

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