

Mercedes-Benz
Certified Collision Center

Tools & Equipment Checklist



Required Tools and Equipment Checklist

Straightening Bench Vehicle Mounting Kits

Benches

Facilities are required to have an approved XL version of benches. Facility must have at least 2 technicians on staff that have completed training on their chosen straightening bench system in order to maintain certification. Mercedes-Benz approved straightening equipment:

- ☐ Celette Griffon XL Set (BX:GXL08.5812)
- ☐ Celette Sevenne XL Set (SVN09XL.3112)
- ☐ Celette Rhone XL (RH18XLM4221.6)
- ☐ Carbench Manta XL (SVN09XL.3112)
- ☐ Carbench Muraena/Piranha XL (AA265/5150/F/R)
- ☐ Car-O-Liner BR5500 Frame & Tilt Lift (CARNA34640KT B83)*
- ☐ Car-O-Liner BR6300 (CAR33907-KIT)

*Required for Vans certification

Hydraulic Pulling Tower

**Facilities are required to have a hydraulic puller for straightening.
Mercedes-Benz approved hydraulic pull posts:**

- ☐ Celette Pulling Unit Sevenne (must fit Sevenne XL and Griffon XL SVN19.301)
- ☐ Carbench Manta Pull Post (article number PT36)
- ☐ Carbench Piranha Pull Post (article number PT32)
- ☐ Carbench Muraena Pull Post (article number PT30/1)
- ☐ Car-O-Liner Draw Aligner (article number CAR30346 D16)

Side Gantry/Side Portal

**Facilities are required to have a side gantry to measure lateral points.
Mercedes-Benz approved gantry/portals:**

- ☐ Celette Gantry (article number 9113.063)
- ☐ Carbench Kit for Lateral Points (article number C281)

Straightening Jig Sets/Kits

Facilities are required to use jig sets/kits to straighten a Mercedes-Benz unibody or frame.

Mercedes-Benz required equipment:

- ☐ Carbench Universal Jig Set
- ☐ Celette MZ (article number MZ450.925)
- ☐ Celette MZ+ (article number MZ2500.MB01)
- ☐ Celette Cross Member Set for Mercedes-Benz (article number 955A.9412)
- ☐ Celette Mercedes Anchoring Set (9212.013)
- ☐ Cameleon Premium Universal Jig System from Celette (Ref # CAM02.162)
- ☐ Car-O-Liner EVO 3 MB System

Measuring Systems

- ☐ **Mercedes-Benz recommended manufacturers:**
 - Celette 3D NAJA*
 - Carbench Contact Evolution*
 - Car-O-Liner Car-O-Tronic Vision 2X3 Mercedes-Benz*
 - *Required when using Car-O-Liner straightening bench.
 - Blackhawk Shark

Vehicle Lifts

- ☐ **Facilities are required to have a two-post lift.**

Mercedes-Benz recommended manufacturers:

 - Rotary
 - Challenger
 - Nussbaum & Company

Aluminum Repair

- ☐ **Facilities are required to have a dedicated aluminum workplace.**

The minimum requirements are:

- Walls/curtains should be made from a fire-resistant material
- Curtains must be 12' in height or 3' from the ceiling
- Washable walls and floors with few obstructions for ease of wet cleaning
- A 110V/230V power supply should be present
- Existing straightening benches and straightening bracket sets can be used alternately provided they are cleaned thoroughly beforehand
- The vehicle being repaired must be covered, with the exception of the immediate repair area, in order to avoid galvanic corrosion other areas of the vehicle

Dedicated Aluminum Tool Kit and Panel Repair

- ☐ **Facilities must have a separate tool cart/trolley that is dedicated to aluminum cosmetic repairs. Please check with your local suppliers for Mercedes-Benz approved packages and available kits.**

Wieländer & Schill Aluminum Tool Kit with dedicated hand tools and AK 98 Panel Repair Kit

Carbon Mercedes-Benz Aluminum Panel Repair Kit Complete Workplace

Safety Vacuum

- ☐ **Facilities are required to have an explosion proof immersion/wet-type aluminum dust vacuum that meets fire code NFPA 484.**

Mercedes-Benz recommended units:

Ruwac Immersion Aluminum Dust Unit (article number NA35-110)

Eurovac II Portable Wet Mix Dust Collector (article number SYS-050-18300000)

Riveting & Welding

Riveter

Facilities are required to have a Mercedes-Benz approved riveter. Mercedes-Benz approved tools:

- ☐ Wieländer & Schill Xpress 800 PushPull (article number 70002 & 70004)
- ☐ TKR Automotive GmbH PNP 90 SNW XT2 (article number WZS-TKR-00000180)*

*Please note: This is the heavy-duty Version. The PNP 90 UN 2.0 (WZS-TKR-00000050) is not approved.
Facilities have the option to upgrade their PNP 90 UN 2.0 to the HD SNW XT2 with a Daimler approved kit (article number 500006).

Inverter Spot Welders

Facilities are required to own an approved spot welder.

Mercedes-Benz approved units:

- ☐ Elektron: Multispot MI-100 Control_MTC6000 (article number 520 476)
- ☐ Cebotech-Tecna Spot 14000 (article number 3664P7)
- ☐ GYSPOT Inverter PTI s7 (article number D20801)
- ☐ Pro Spot i5 Smart Welder (article number i5)
- ☐ Telwin S.P.A. Inverspotter 14000 Smart (article number 823077)
- ☐ Wieländer & Schill InvertaSpot GT Automatic (article number 932436)

MIG Welder

- ☐ **Facilities are required to own a MIG welder.**
Collision Centers are required to have SG-CuSi3 wire for brazing.
Mercedes-Benz recommended units:

Cebotech MultiMig 621 Inverter (Chief) (article number EL900021)

Cebotech-Tecna Spot 14000 (article number 3664P7)

Cebotech Cebora-Sound MIG Pulse 2740/T Star Pulse (article number 307)

Car-O-Liner CMI3000II MB (article number 79541368)

Elektron (BlitzRotary) Multimig 400 puls (article number 515908)

Fronius TransPuls 270i C Pulse (article number 4075095 MB)

Wieländer & Schill Inverter Puls IP 6-2 ACT (article number 90413-3433-MB)

EWM AG Phoenix 355\Progress Pulse MM TKM (article number 090-005403-59502)

GYS Neopulse 300 (article number 032767)

Prospot Smart MIG SP-5.3 (article number 90015028)

Glass Replacement

- ☐ Facilities are required to use a cord/wire-cutting glass removal device.
Mercedes-Benz recommended tools:

Wieländer & Schill Roll Out (article number 842010)

WRD Glass Removal System (Spider 3 and PRO 6 models)

Vehicle Refinishing

Paint Systems

Facilities are required to use approved refinishing systems.

Mercedes-Benz approved refinishing systems:

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Paint Mix Room

- ☐ Facilities are required to have a paint mix room.

Spray Booth

- ☐ Mercedes-Benz requires the facility to have a downdraft or a low bake spray booth. These booths use the same chamber for painting and convection drying and utilize a make-up unit to supply the spray booth with filtered air.

Mercedes-Benz recommended spray booths:

USI Italia

OMIA

Blowtherm

Times Vision

Garmat

Nova Verta

Paint Gun

- ☐ Facilities are required to have a locally sourced HVLP paint gun.

Paint Thickness Gauge

- ☐ Mercedes-Benz recommended model:

De Felsko PosiTector 200

Wire Harness Repair

These items are for the repair of the vehicle's wire harness and/or electrical connectors. Follow Workshop Information system (WIS) instructions for all repairs.

Facilities are required to have a Wiring Harness Repair Kit, Basic.

- ☐ W000589139900 (Article Number AR00.19-P-0100A)

Facilities are required to have the following wire rolls:

- ☐ A 169 543 02 31: Yellow; Roll with 100M; 0,50 MM2
- ☐ A 169 543 03 31: Yellow; Roll with 100M; 0,75 MM2
- ☐ A 169 543 04 31: Yellow; Roll with 100M; 1,00 MM2

Facilities are recommended to have a Flat Wire Repair Kit.

- ☐ W211589019900

Facilities are recommended to have a Welding Bead Catcher (small mat to place under wire while welding to catch welding slag).

- ☐ W000589139900

Recommended Tools and Equipment Checklist

Xentry Unit

Facilities are recommended to have a Xentry unit or equivalent MB software package.

Headlamp Aiming Unit

Mercedes-Benz requires that all headlamps are aimed with an approved device. If the collision center does not have one, the work can be sublet to the dealership.

Mercedes-Benz approved manufacturers:

- ☐ MAHA MLT 1000 MB (Article number 649-VP 185069)
 - ☐ Beissbarth MLD 110 (Article number 1692104339)
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Refrigerant Equipment

Mercedes-Benz requires equipment to reclaim, evacuate, and/or charge systems in case work cannot be sublet to a sponsoring dealer.

Mercedes-Benz recommended unit:

- ☐ Robinair for R-134 Refrigerant RRR for Hybrid and Non-Hybrid Vehicles (article number 34788NI-H)
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Adhesive Tools

- ☐ DOW 860687664 distributed by RAE
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Cutting Tools

- ☐ Wielander + Schill MEC600 Cutting Tool
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Cleaning/Disinfecting

- ☐ Trioxyclean Air Purifier from Celette (Ref # CEL.8003.02)

Elite Certified Required Tools and Equipment Checklist

Aluminum Welder

Mercedes-Benz requires facilities to own an approved aluminum welder to attain Elite Certification.

Mercedes-Benz approved units:

- ☐ Chief MultiMig 822 Inverter (article number EL900723)
- ☐ Cebotech-Tecna Spot 14000 (article number 3664P7)
- ☐ Cebora Synstar Twin 270T (article number 344)
- ☐ Car-O-Liner CMI3000II MB (article number 79541368)
- ☐ Elektron (BlitzRotary) Multimig 400 puls (article number 515908)
- ☐ Fronius TransPuls 270i C Pulse (article number 4075095 MB)
- ☐ Wieländer & Schill inverter puls IP 6-2 ACT (article number 90413-3433-MB)
- ☐ EWM AG Phoenix 355 \Progress Pulse MM TKM (article number 090-005403-59502)
- ☐ GYS Neopulse 300 (article number 032767)
- ☐ Prospot Smart MIG SP-5.3 (article number 900 150 28)

Previous models are still accepted.

Fronius TransPuls Synergic 2700, Cebotech Jaguar Double Pulse 2035/MD, Cebora-Sound MIG Pulse 2035/M, Migtronic Sigma 300 C.A.R-L, W&S InvertaPuls IP 6-2, Car-o-Liner CMI3000, Blitz-Rotary MultiMig 400 Puls

Mercedes-EQ Certification Required Tools and Equipment Checklist

Mercedes-Benz Battery Table

Facilities are required to have a Mercedes-Benz battery table.

Xentry Unit

Xentry diagnostic unit or equivalent Mercedes-Benz software package with third-party computer is required.

Mercedes-Benz Charging Station

Facilities are required to have at least one Level 2 charging station.

Vans Certification Required Tools and Equipment Checklist

Straightening Bench

Mercedes-Benz Approved Fixtures:

- ☐ Celette Griffon XL Set (BX:GXL08.5812)
- ☐ Celette Sevenne XL Set (SVN09XL.3112)
- ☐ Celette Rhone XL (RH18XLM4221.6)
- ☐ Carbench Manta XL (SVN09XL.3112)
- ☐ Carbench Muraena/Piranha XL (AA265/5150/F/R)
- ☐ Car-O-Liner BR5500 Frame & Tilt Lift (CARNA34640KT B83)*
- ☐ Car-O-Liner BR6300 (CAR33907-KIT)*

*If using Car-O-Liner, the facility must have the BR6300 as the longer wheelbase vans will not fit on the BR5500.

Straightening Bench Fixtures

Facilities are required to show proof of rented fixtures when asked by a Mercedes-Benz Auditor or staff.

Mercedes-Benz Approved Fixtures:

- ☐ Celette System Sprinter (article number 7906.300)*
- ☐ Celette System Metris (article number 7447.5B)
- ☐ Carbench System Sprinter (article number 020714)
- ☐ Carbench System Metris (article number 020519 + 020763)
- ☐ Car-O-Liner MB B766 SPRINTER 2020 - ADDITIONAL KIT TO B731 AND EVO KIT 40218

*Please note: The Sprinter 4x4 will require a different fixture set. This can be

Spray Booth

Facilities are required to have a downdraft spray booth with a minimum 12ft. interior clearance to fit the “High Roof” option and 27ft. interior length for our extended length option that are offered for our Vans.

The minimum specifications are:

- Intake and exhaust airflow rating of 14,000 CFM
- Air filters (paint arrestors) must have a 98% efficiency
- Lighting system which uses daylight lamp that will provide at least a 96 CRI
- Brightness level should be at a minimum of 100 foot-candles at the cabin floor or filter grate
- Heating unit with direct fired burners at a minimum of 1.0 MBTU
- Grade “D” quality air breathing system

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Heavy Duty Two-Post Lift

Facilities are required to have a heavy-duty lift that is rated for 15,000 lbs. or more.

Mercedes-Benz Recommended manufacturers:

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Rotary

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Challenger

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Nussbaum & Company

Mercedes-Benz Certified Collision Center

