



BMW CCRC PROGRAM

TOOL & EQUIPMENT REQUIREMENTS – REFERENCE GUIDE

VERSION: 5.2025 V1

Body & Paint

INTRODUCTION

At the core of every BMW

lies an uncompromising commitment to precision engineering and safety. Meticulously assembled to exacting standards at BMW's state-of-the-art production facilities ensures an unparalleled driving experience that BMW customers expect.

When repairs are carried out at BMW Certified Collision Repair Centers, it is our common mission to fully restore each vehicle back to its original specification. This guide will help ensure that you have all of the BMW Approved tools to do so.



IMPORTANCE OF APPROVED TOOLS & ORIGINAL PARTS



Vehicle prototypes are tested in the most extreme conditions ensuring optimal performance in any real world scenario globally. From crippling winters to the soaring desert heat, poor road surfaces, debris, spirited driving, hard braking, & the unthinkable collision, many extremes are accounted for in the development process.



"Proper repairs using BMW Approved Tools and Original Parts is critical to restoring the performance, reliability, and safety BMW is known for - especially when it matters most."

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STRAIGHTENING BENCHES & ELECTRONIC MEASURING SYSTEMS



APPROVED STRAIGHTENING BENCHES & ELECTRONIC MEASURING SYSTEM



Car Bench

Measuring system: Evolution

Accepted variants: Manta, Triton, Muarena

www.pinnacleequip.com
www.carbenchnorthamerica.com



Celette

Measuring system: NAJA

Accepted variants: Sevenne, Rhone, Griffon

www.celette.com



CAR-O-LINER

Measuring system: Car-O-Tronic, EVO I, II, III

Accepted variants: BenchRack, BenchRack
Versa *new approval 4/2025, Quick 42

www.precisioncollision.com

At LEAST one of the above systems is required

RESISTANCE SPOT WELDERS



COMPRESSION RESISTANCE SPOT WELDER APPROVED UNITS

CAR-O-LINER 12000T



Techna 3664 BM



Wielander & Schill
InvertaSpot GT BM



Elektron MI100 Control



CAR-O-LINER CTR-9

new approval 3/2025



Wielander & Schill InvertaSpot
NexGen 400V

new approval 1/2025



Elmatech PREIMUMspot VISION

new approval 1/2025



GYSPT Inverter PTI-Genius

new approval 1/2025



At LEAST one of the above spot welders is required

OUTER PANEL REPAIR TOOLS



OUTER PANEL REPAIR TOOLS

Betag aluminum Flatliner



Betag steel Flatliner



Betag StarLED wide light



Keith Egan

National Sales Manager – BETAG North America

Cell: (224) 289-0699

Email: egan@betaginnovation.com

Training –

SB040 - Steel outer panel Straightening Techniques

SB041 - Aluminum outer panel Straightening Techniques

OUTER PANEL REPAIR TOOLS

Betag Glue Pulling
system



Betag SPS Soft Pull
System



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OUTER PANEL REPAIR TOOLS

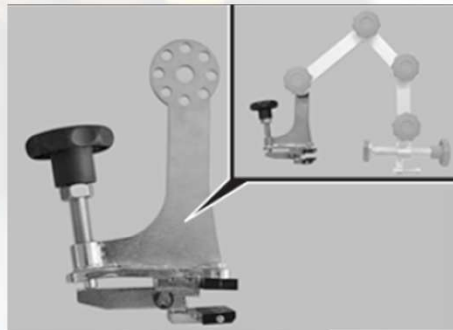
**Spider Windscreen
Cutting Tool**



BMW Part # - 81 43 2 357 248

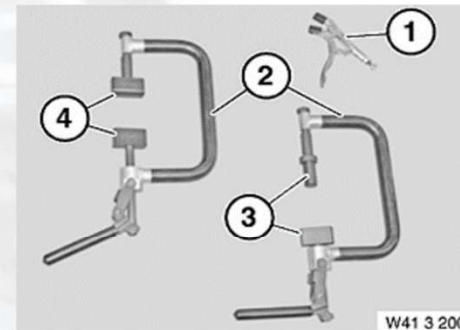
Note – if a glass vendor is used, a letter or certificate from the vendor(s) verifying they utilize the spider or another non-piano wire unit is required in lieu of this tool.

BMW Roof Skin Clamp(s)



BMW Part # - 81 43 2 158 707

**CFRM Roof Clamps - (M
Carbon Roof)**



BMW Part # - 83 30 0 496 315

ADHESIVE GUNS AND OTHER APPLICATORS



REQUIRED TOOLS

ADHESIVE GUNS AND APPLICATORS

Cartridge gun K1



BMW Part # 81 49 2 213 059

OR Any NON compressed-air-operated
cartridge gun used at low speed setting

Also can be used for sealant D1/D2, windshield
adhesive, and all 290/310ML cartridges

Cartridge gun K2



BMW Part # 81 49 2 355 475

Cartridge gun K2 2 x 290 ml
CON4TOOLS GMBH

Cartridge gun K3



BMW Part # 83 30 5 A65 4B9

Cartridge gun K3
CON4TOOLS GMBH

REQUIRED TOOLS

ADHESIVE GUNS AND APPLICATORS

Cartridge gun K4,
K5a (small tube)



Cartridge gun K5
(large tube)



Pressure Fed Corrosion Protection
Applicator



OLD K5b cartridge gun
(reference only, not required)



BMW Part # 83 30 5 A78 8C6

BMW Part # 81 43 5 A5C 138

Recommended Wurth WBS Spray Gun
Pro

BMW Part # 81 49 2 213 059

For 50ML tubes of K4 or K5A (K5B is
simply a larger tube of K5)

Cartridge gun for K5 dual cartridge

Works with BMW Cavity Protection part#
83 42 2 457 338

This type of K5 tube is no longer produced.
However, this gun can also be used for K1
adhesive.

GENERAL BODY REPAIR TOOLS



GENERAL BODY REPAIR TOOLS

Wire feed MIG / GMAW
Welder



www.millerwelds.com, lincolnelectric.com,
shop.snapon.com

Oxy-acetylene Torch or
hot air blower



Only function required. If hot air blower
must be industrial grade. Torches can be
any type except palm-sized handheld.
Guideline updated 4/2025

Dedicated Aluminum
Hand Tools



www.raeservice.com

Body files, Hammers, Dollies, Spoons,
abrasive tools, Cutters & grinders

GENERAL BODY REPAIR TOOLS

IR Lamp



Only function required. Preferred one portable and one floor-standing

Porto-power set (4 and 10 ton)



Only function required.

GENERAL BODY REPAIR TOOLS

Refrigerant
Recovery/Recycling Equipment



For R134 & 1234YF

Hydraulic Floor Jacks & Lifts



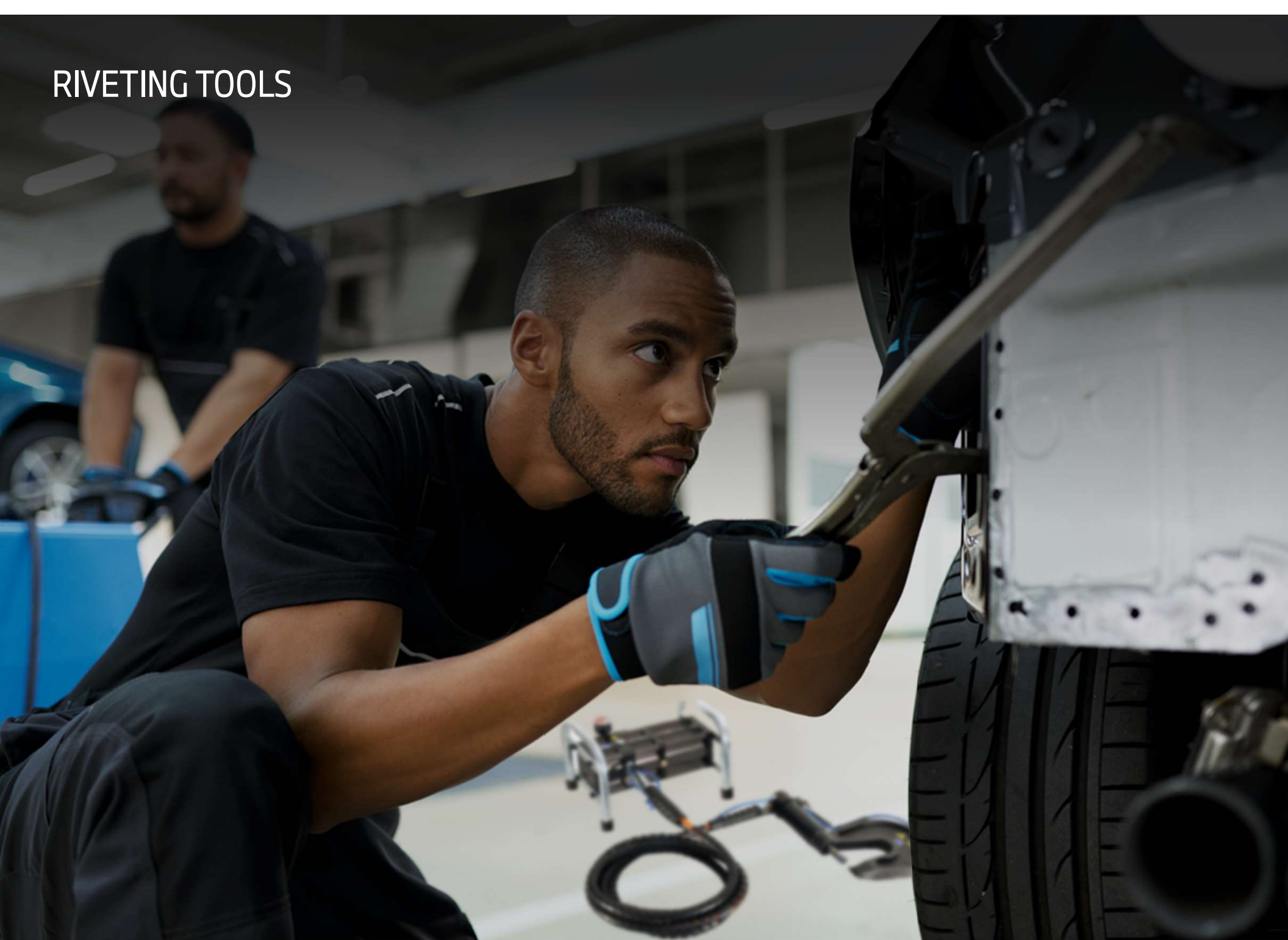
Only function required.

Welding Fume Extraction
Equipment



Only function required.

RIVETING TOOLS



RIVETING TOOLS

TKR XT2 Punch Riveter



BMW Part # - 83 30 5 A56 089

Optional accessories XT2



Insertion aid - 81 43 2 166 364
Spacing bolt kit - 81 43 2 209 937
Matrices for punch rivet tool:
3MM - 81 43 2 209 938
5MM - 81 43 2 209 939

Stud Welder



Wielander & Schill BSP 03

RIVETING TOOLS

Powerbird
Hand Riveter



Rivet head extension for
Power Bird



Avdel Genesis nG4



BMW Part # - 81 43 0 301 745

www.raeservice.com

BMW Part # - 81 43 2 158 706

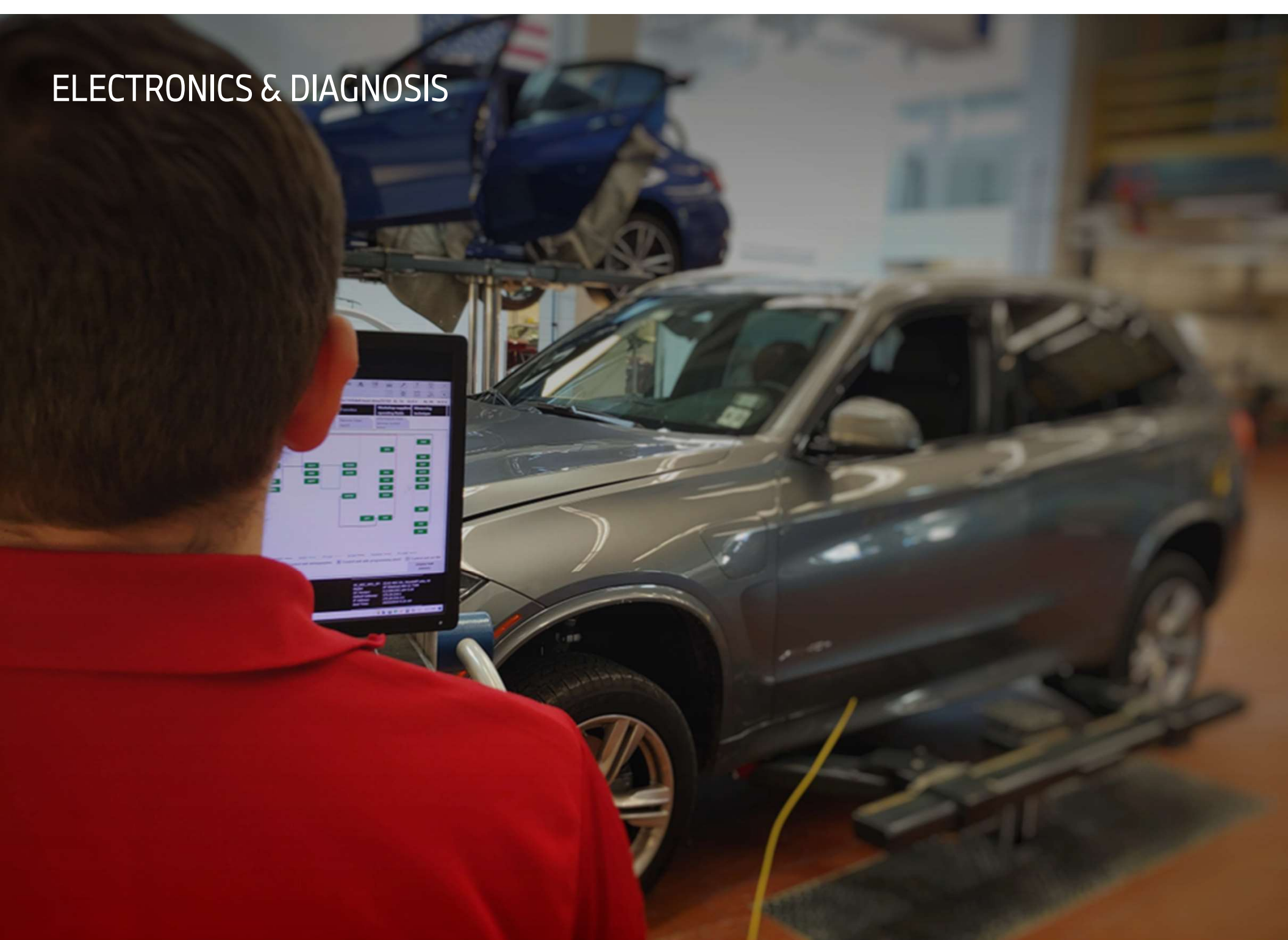
www.raeservice.com

Avdel Genesis nG4

www.raeservice.com

Optional in addition to Powerbird riveter

ELECTRONICS & DIAGNOSIS



ELECTRONICS & DIAGNOSIS

At LEAST one of the three below diagnostic solutions is required

Deutronic battery maintainer for diagnosis



BMW Part # - 81 39 2 158 534

**Required for all BMW vehicles.
Optional cart & other accessories available.**

BMW ISTA + ICOM or compatible connector



BMW Part # - consult dealer

Must be used in conjunction with ISTA software or ISTA on bmwgroup.bmwtechinfo.com

AsTech diagnosis



Subscription to AsTech required

**info@astech.com
1.888.486.1166**

AirPro diagnosis



Subscription to AirPro required

tom.d@airprodiag.com

SEAM SEALER APPLICATORS



TEROSON

Teroson Nozzle Tips



BMW Part # - 83 19 5 A19 FF9,
83 19 5 A1A 000, 83 19 5 A1A 003
83 19 5 A1A 017, 83 19 5 A19 D89
83 19 5 A19 D88

Teroson Powerline II Pistol
Air Pressure Gun



BMW Part # - 83 19 5 A19 FE9

Teroson Multi Press Pistol
Air Pressure Gun



BMW Part # - 83 19 5 A19 FF8

Teroson Cartridge Pre -
Heating Box



BMW Part # - 83 19 5 A19 D92

BMW TOOLS

(AND OPTIONAL TOOLS FOR BMWi STRUCTURAL CARBON CERTIFICATION)



CCRCs that wish to be Carbon Structural Certified must purchase all BMWi structural repair tools. If not BMWi certified, the CCRC is not approved to perform structural repairs to BMWi vehicles, except iX.

BMW REPAIR TOOLS (BMW IX ALUMINUM SIDE FRAME)



All tools on this page required for all CCRCs

Fein Supercut special cutter



BMW Part # - 81 43 2 296 987

Or can be ordered as a non-BMW part #.

Fein Power Tools, Inc.
1000 Omega Drive
Suite 1180
Pittsburgh, PA 15205

www.feinus.com
Product #: 7 229 70 61 090
Email: info@feinus.com
Toll Free: 1-800-441-9878

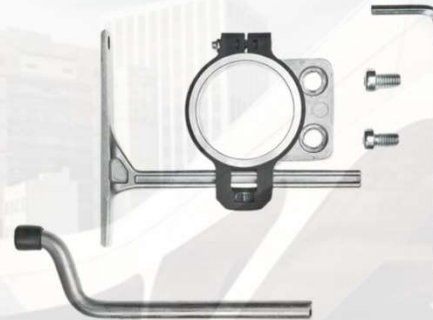
Sawblade



BMW Part # - 83 30 5 A4D E59

Special sawblade for Fein Supercut special cutter

Depth guide



BMW Part # - 81 43 5 A0B 392

Depth guide for Fein Supercut special cutter

Starlock adapter



BMW Part # - 81 43 5 A22 339

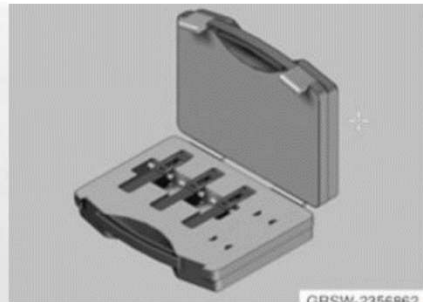
Adapter for blades

BMW REPAIR TOOLS (LEVEL 1)



All tools on this page required for all CCRCs

Window Depth
Measurement Kit



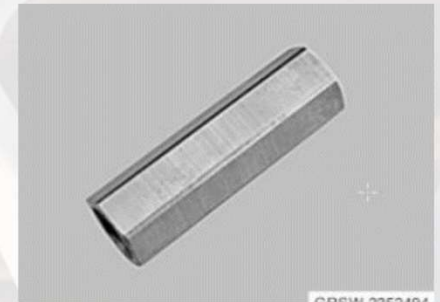
Side Window Adjustment



Wiper Arm Remover



Hex Socket - Adjusting
door outer skin



BMW Part # - 83 30 2 356 862

BMW Part # - 83 30 2 351 398

BMW Part # - 83 30 2 348 527

BMW Part # - 83 30 2 352 494

for multiple applications
including i3

for multiple applications
including i3

BMW i wiper arm removal

for i3

BMW REPAIR TOOLS (LEVEL 1)



All tools on this page required for all CCRCs

Hook Wrench - Door outer skin adjustment



BMW Part # - 83 30 2 357 465

for i3

Standard Charging Cable (i vehicles)



BMW Part # - 61 44 6 818 634

Or any general standard charging cable (Non-Tesla)

BMW REPAIR TOOLS (LEVEL 2 & 3)



All tools on this page optional for BMWi (i3/i8) structural certification

CF body Air saw



W&S WPF 3000 or
BMW part # - 81 43 2 299 089
Fine throw for carbon fiber. Ultra fine blades required!

Earth Ground Cable



Any grounding cable with alligator clamps to clamp to CF body

Explosion Proof Vacuum



Must meet requirements for aluminum & Carbon dust

HeliCoil Kit - Aluminum



BMW Part # - 81 43 0 402 559

BMW REPAIR TOOLS (LEVEL 2 & 3)



All tools on this page optional for BMWi (i3/i8) structural certification

Drive Module aligner tool



BMW Part # - 83 20 2 355 218
Recommended only – must be purchased or borrowed from BMWNA for i3 structural repairs, but not required as this repair is extremely rare.

Carbon fiber miller



BMW Part # - 83 30 2 355 729

Cartridge Gun for K2



BMW Part # - 81 49 2 355 475
Required CCRC general tool for adhesives, also used in BMWi (i3/i8) structural certification

Deck Scraper



BMW Part # - 83 30 2 357 309

BMW REPAIR TOOLS (LEVEL 2 & 3)



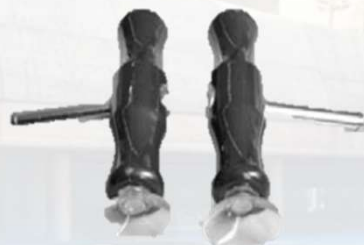
All tools on this page optional for BMWi (i3/i8) structural certification

Electric Belt Sander



Only function required. Belt sander must be electric due to exhaust of pneumatic tool and aluminum

Wire Pull Handles



BMW Part # - 81 43 2 326 501

Scratch Depth Gauge



BMW Part # - 83 30 2 355 745

Hand Riveter MB512



BMW Part # - 81 43 2 155 739

BMW REPAIR TOOLS (LEVEL 2 & 3)



All tools on this page optional for BMWi (i3/i8) structural certification

Pliers FZ 60



BMW Part # - 81 49 2 355 540

Pliers MT 70



BMW Part # - 81 49 2 355 479

Super Magnet Kit



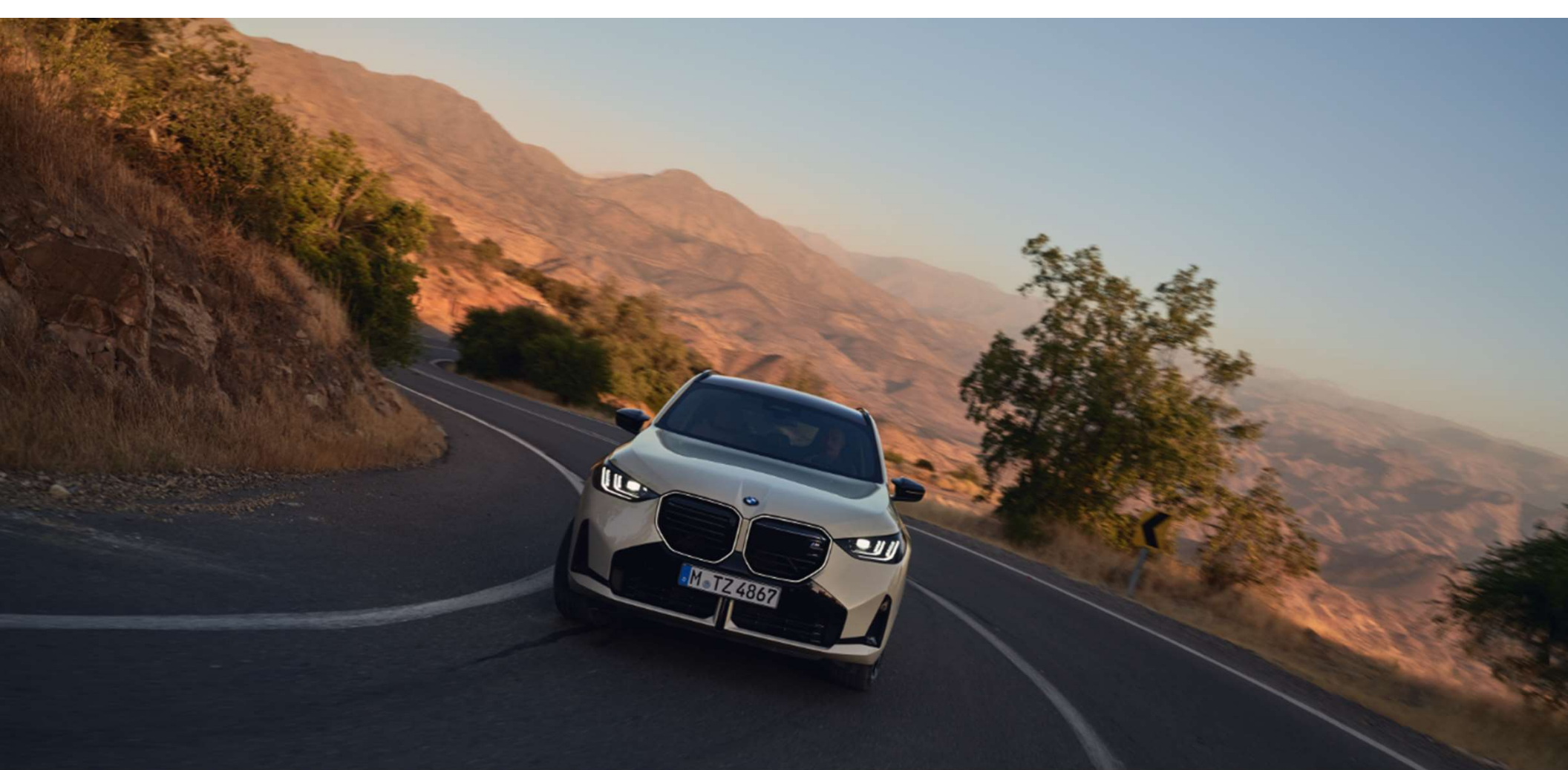
BMW Part # - 83 30 2 287 447

Part number updated 8.2024

BMW Roof Skin Clamp(s) – updated for carbon fiber applications



BMW Part # - 83 30 2 356 860



BMW TOOL PROGRAM LINKS

[BMW Equipment Program \(bmwcentersolutions.com\)](https://www.bmwcentersolutions.com)

[BMWcentersolutions.com/salesrep](https://www.bmwcentersolutions.com/salesrep)