

New High-Voltage Insulating Glove Subscription Service



**AVAILABLE THROUGH
GM GLOBAL TOOLS
WEBSITE**

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New High-Voltage Insulating Glove Subscription Service

AVAILABLE THROUGH GM GLOBAL TOOLS WEBSITE

Certified Class “0” insulating gloves rated at 1000V with leather protectors provide an insulative barrier between an electrical point and the skin of an individual and are required when working on any high-voltage system on a GM vehicle.

The high-voltage gloves must be worn at all times when working with the high-voltage battery assembly, wires and components, whether the system is energized or not. It’s recommended to use the “one-hand rule” — working with only one hand while the other hand is behind your back — whenever possible.

HV GLOVE SETS

New HV Glove and Leather Protector Sets are available in the U.S. from gmglobaltools.com. Dealerships must be logged in to the website to see all available glove offers.

In Canada, dealership clothing and linen supplier programs may offer purchase and recertification services.

the electrical insulating gloves feature an ergonomic hand-at-rest shape to reduce hand fatigue and a smooth finish for easy donning and doffing performance.



OUTER GLOVE:
Ultimate protection safeguarding integrity of the rubber insulated gloves



INNER GLOVE:
Ultimate fit, comfort and performance for electrical workers' safety and protection

The outer leather glove and inner rubber latex glove provide an insulative barrier.

GLOVE REPLACEMENT PROGRAM

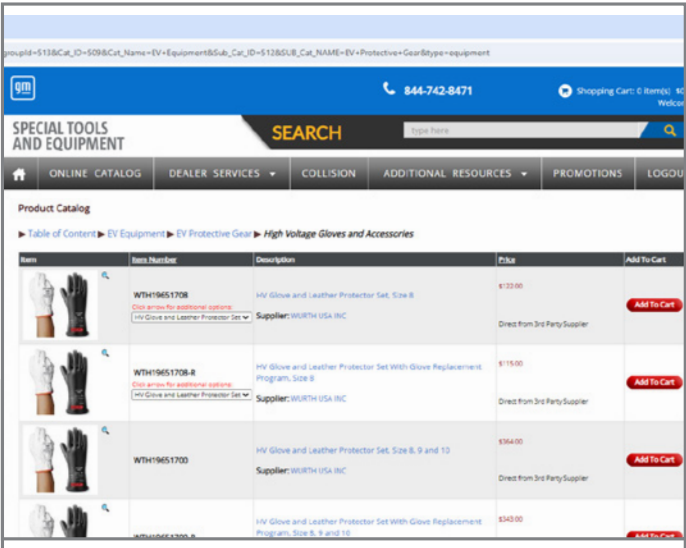
To make sure the HV gloves are certified and ready to use, dealerships can enroll in the 6-month insulating glove replacement program, which automatically orders and ships replacement rubber insulating (inner) glove sets in 6-month intervals. Each order is documented and certification of the inner glove reorder is sent with every glove.





TESTING DATES

The leather protector gloves by themselves do not offer any protection against high or low voltage. Always wear the inner rubber insulator gloves inside the outer leather protector gloves.

The rubber insulating gloves include a stamped date that indicates when the gloves were “originally or last tested electrically.” Rubber insulating gloves must be retested electrically by a certified lab 6 months after first use. The lab will restamp the gloves with the new “tested” date.

New leather gloves and rubber insulating gloves are marked with the date of manufacture or last electrical test and may be opened for first-time use within 12 months of that date. Gloves that are



Item	Item Number	Description	Price	Add To Cart
	WTH19651708	HV Glove and Leather Protector Set, Size 8 <small>Click arrow for additional options: HV Glove and Leather Protector Set</small>	\$123.00 <small>Direct from 3rd Party Supplier</small>	Add To Cart
	WTH19651708-R	HV Glove and Leather Protector Set with Glove Replacement Program, Size 8 <small>Click arrow for additional options: HV Glove and Leather Protector Set</small>	\$115.00 <small>Direct from 3rd Party Supplier</small>	Add To Cart
	WTH19651700	HV Glove and Leather Protector Set, Size 8, 9 and 10 <small>Supplier: WURTH USA INC</small>	\$364.00 <small>Direct from 3rd Party Supplier</small>	Add To Cart
	WTH19651700-R	HV Glove and Leather Protector Set with Glove Replacement Program, Size 8, 9 and 10 <small>Supplier: WURTH USA INC</small>	\$343.00 <small>Direct from 3rd Party Supplier</small>	Add To Cart

New HV Glove and Leather Protector Sets are available in the U.S. from gmglobaltools.com.

The set includes leather protector gloves that offer high dexterity and hand protection while helping provide against cuts, punctures and abrasions to the rubber insulating gloves. Made from natural rubber latex for durability and flexibility,

Dealer Equipment

Shop for Equipment Online:
GMDEsolutions.com

To Place Your Order, Call:
844-742-8471

High Voltage Gloves should be worn whenever working near high voltage components.

HV Glove and Leather Protector Set

Set of: 96-002 High Voltage Premium Goat Skin Leather Protectors and Black Electrical Insulating Inner Gloves - Class 0

ORDER NO.
Both Glove Sets (Inner and Outer) are sold in pairs (1 left / 1 right)

WTH10651706 - SIZE 8
WTH10651706 - SIZE 9
WTH10651710 - SIZE 10
WTH10651711 - SIZE 11
WTH10651712 - SIZE 12
Reg. Dealer Price: \$122.00

WTH10651700 -
THREE GLOVE SETS, 1 EACH OF SIZES 8, 9 AND 10
Reg. Dealer Price: \$394.00

OUTER GLOVE:
Ultimate protection safeguarding integrity of the rubber insulating gloves

NOTE: Leather protector gloves themselves offer no protection against high or low voltage and should always be worn over rubber insulating gloves.

INNER GLOVE:
Ultimate fit, comfort and performance for electrical workers' safety and protection

Leather Protector Gloves:

- Ultimate electric shock protection safeguarding integrity of the rubber insulating glove
- Rubber insulating gloves are a critical PPE component for electrical work on or near exposed energized parts.
- To ensure worker safety and the integrity of the rubber insulating glove the leather protector needs to be worn.
- The leather protector glove offers the highest dexterity while providing cut, puncture, and abrasion protection to your rubber insulating glove
- Suitable to wear with Class 0 & 00 gloves.
- Extends life of your rubber insulating gloves while providing excellent hand protection
- For use with 11" electrical insulating gloves

Electrical Insulating Gloves:

- Made from natural rubber latex using an environmentally friendly dipping process for ultimate flexibility and dexterity
- The ergonomic hand-at-rest shape and non-splayed fingers reduce hand fatigue
- The generous flared cuff allows room for clothing and improves ventilation
- The design also features a smooth-finish for easy donning and doffing
- Applications with risk of touch voltage AC maximum 1000 V (PIC maximum 1500)
- Natural Rubber Latex for ultimate durability and flexibility
- Case hardened finish provides smoother surface for easy donning and doffing performance and protection

GLOVE SIZING CHART

19.1 - 20.3 cm	SIZE 8
21.6 - 22.9 cm	SIZE 9
24.1 - 25.4 cm	SIZE 10
26.7 - 27.9 cm	SIZE 11
29.2 - 30.5 cm	SIZE 12

TAKE ADVANTAGE OF OUR 6-MONTH INNER GLOVE REPLACEMENT PROGRAM SPECIAL!

Order your complete Glove Set/s using the following part numbers, and we will automatically order and auto ship replacement Electrical Insulating (Inner) Glove Sets in 6-month intervals from the date of your original order.*

Each order will be documented and certification of the Inner Glove reorder will be sent with every glove.

6-Month Replacement Program

ORDER NO.
Both Glove Sets (Inner and Outer) are sold in pairs (1 left / 1 right)

WTH10651706-R - SIZE 8
WTH10651706-R - SIZE 9
WTH10651710-R - SIZE 10
WTH10651711-R - SIZE 11
WTH10651712-R - SIZE 12
Reg. Dealer Price: \$115.00

WTH10651700-R -
THREE GLOVE SETS, 1 EACH OF SIZES 8, 9 AND 10
Reg. Dealer Price: \$343.00

SAVE TIME AND MONEY BY ORDERING THROUGH THE REPLACEMENT PROGRAM!

*NOTICE: Replacement orders are not eligible for auto replacement every 6 months if all orders are placed in accordance to auto ship the inner gloves every 6 months

gloves are opened any time after the last day in April 2025, they should be considered expired.

If the gloves' certification age range has expired, do not use the gloves. The gloves should be tested and recertified or replaced.



Gloves are stamped with the "tested" date.

For the North America region, visit www.nail4pet.org to find an accredited recertification laboratory.

GLOVE INSPECTION

Before each use, the rubber insulating gloves should be removed from their leather protector gloves and visually and functionally inspected. Refer to the High-Voltage Insulation Glove Inspection Procedure in the appropriate Service Information.

Inspect the insulating gloves by trapping air in the glove and sealing the opening to prevent any air loss. While pressing the glove to increase pressure, check for any pin holes, air leaks, wear or abrasions as well as any swelling that could indicate exposure to chemicals. If glove damage is observed, do not use the gloves and have them tested and recertified or replace them.

To learn more about high-voltage insulating glove use, review course 59500.04V, Class 0 High Voltage Insulation Glove Inspection, on the GM Center of Learning (U.S.). In Canada, review course 18400.00W.

► Thanks to Josh Shuck

unopened 12 months after the test date must be recertified prior to use. Always record the date of the first time the gloves were opened or used.

Once opened, recertification must occur 6 months from first use. If the first-use date is not known, the gloves must be retested 6 months from the electrical test date stamped on the gloves.

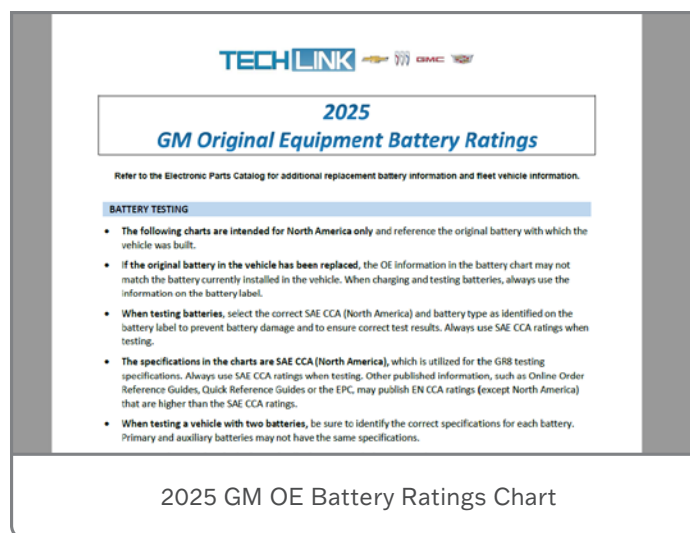
For example, if the manufacture or testing date is April 2024, the gloves have a 1-year shelf life — unopened and unused — until April 30, 2025. Once the gloves are opened and placed into use, they will have 6 months of use. The gloves can be opened on the last day of April 2025 and still have 6 months of use. As soon as the gloves are unsealed, it starts their 6-month use cycle. If the

2025 Battery Ratings Chart and Battery Maintenance Update

The latest Original Equipment (OE) Battery Ratings chart for the 2025 model year is now available under the Reference Charts menu for use when testing OE batteries.

The chart includes SAE cold cranking amperage (CCA), amp hours (AH) and reserve capacity (RC) ratings along with battery type specifications. The 2025 model year chart as well as charts for earlier model years can be easily printed using the browser's print function.

Entering the correct battery CCA ratings and battery type when using the E-XTEQ Diagnostic Charge Battery Station (EL-52800), Midtronics GR8 Battery Tester/Charger (EL-50313) or new Midtronics Diagnostic Charger (DCA-8000P) is critical for proper test results. If the original/factory battery has been replaced, access the current battery label to view the battery type and CCA, as it may not match the OE specifications. Selecting the incorrect battery type or CCA rating when testing may result in battery damage or a "Battery is bad" result on a good battery, leading to a good battery being replaced unnecessarily.



2025 GM OE Battery Ratings Chart

TIP: Effective October 1, 2024, the EL-50313 Midtronics GR8 will continue to be approved equipment for testing batteries under warranty until further notice.

For more information on replacement batteries, refer to the Electronic Parts Catalog.

For more details on proper battery testing, refer to the appropriate Service Information. Go to General Information > General Information > Specifications > 12 Volt Battery Usage for battery specs on 2019 and later model years.

BATTERY TESTING REQUIREMENTS

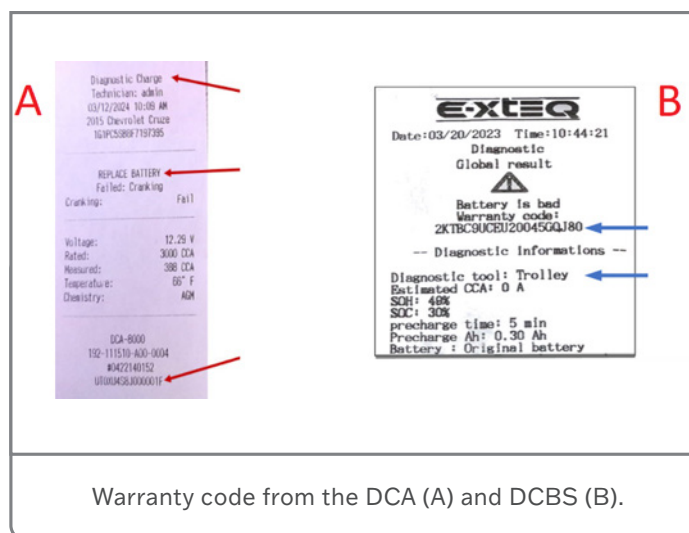
Keep in mind the following tips to ensure the proper processes are completed to support battery replacement and successful warranty claim submission.

- Validate whether the battery in the vehicle is the OE battery or a replacement battery, and then proceed with warranty handling accordingly.
- Accurately enter job card and vehicle information using the appropriate battery tester.
 - 6-digit BAC
 - Last 8 or Full VIN (use VIN scan feature if available)
 - Job card number
 - Leading zero(s) must be added to job card numbers if needed in order to achieve the minimum character limit for the tester. Do not enter leading spaces or letters.
 - For job card numbers with a leading prefix, input only the values after the prefix and add leading zero(s) to achieve the minimum character limit of the job card field. Example: If the job card number is 01-2345, the input would be 02345 in the DCBS.

CONTINUED ON PAGE 5



- Select the correct battery information (located on the label of the battery being tested).
 - Battery Type (Flooded or AGM)
 - Rated CCA
- Perform the battery test in Diagnostic Mode only, connecting directly to the battery posts.
- Verify that the test result shows a 15-digit Warranty Code (GR8), 16-digit Warranty Code (DCA) or 20-digit Warranty Code (DCBS) prior to warranty battery replacement. Attach the printout to the job card.



For more information on battery testing and warranty replacement requirements, refer to Bulletin #20-NA-132.

BATTERY MAINTENANCE REPORT

U.S. dealerships should refer the Battery Maintenance Report to identify new vehicles in dealer inventory that require attention.

The report, which is updated every day, indicates if a battery charge is needed or if a vehicle has remained dormant for an extended period and is no longer transmitting battery state of health (SOC) information. The report will identify the specific vehicles in dealer inventory that require action be taken — “Charge 12V Battery,” “Plug in High Voltage Charger,” or “Start and Move.”

GM recommends that dealerships monitor the report once per week, such as every Monday. The report is available through the Dealer Maxis application in GlobalConnect. In the app, select the Battery Maintenance Report tile. After taking action on a particular vehicle, it may take up to five days for the vehicle to be removed from the report.

If the battery SOC is less than 50% of its full capacity — approximately 12.1 volts — the VIN will appear on the report. Vehicles on the report that require a battery charge should be charged using the appropriate battery tester/charger. Do not use the PDI mode to charge the battery. It will only charge for 20 minutes and will not provide enough charge.

TIP: GM recommends cycling the ignition every time after charging a vehicle to reset OnStar’s timeout counter. Without resetting the counter, OnStar will go into sleep mode after 30 days, which prevents battery SOC information from being transmitted to GM.

Vehicles with Stop/Start auxiliary batteries must be charged separately from the main battery while in dealer inventory. The auxiliary battery is not connected in a manner that will allow both batteries to be charged at the same time and must be charged individually, which will result in two battery test printouts.

Additional information about the Battery Maintenance Report and 12V battery charging can be found in Bulletin #22-NA-115.

► Thanks to Brett Holsworth and Robert Cross

Beware of Counterfeit Diagnostic Tools



GM and Bosch Diagnostics continue to find counterfeit MDI and MDI 2 tools available to the aftermarket through several online websites. These tools appear very authentic from their exterior appearance. Everything is copied to closely resemble the real thing — from the cables and plastic cases to the brand logos and serial numbers.

These counterfeit tools are often priced less than from an approved GM retailer like Bosch Diagnostics. In some cases, they will be significantly less — another sign that the tool may be a fake.

Some of these counterfeit tools acquired by GM and Bosch Diagnostics have been found to be built with lower grade components and electronics or with used equipment from other diagnostic tools. As a result, these counterfeit tools may not work right from the start, may fail quickly or may run extremely slowly while providing erroneous data or causing programming errors.

While it might be tempting to order an MDI 2 from various non-authorized websites, many of these sources actually provide inferior copies of an MDI 1 internal board inside an MDI 2 case, which means, at a minimum, it can't be used on newer GM vehicles with the Vehicle Intelligence Platform (VIP) that require the MDI 2.

For diagnosis and programming a VIP vehicle, the EL-52100 MDI 2 must be used. The MDI 1 does not have the capability to complete programming or setup procedures on the advanced electronic platform.

COMPROMISED PCS

In addition, some devices have been found to contain malware that can compromise a user's PC and will result in a permanent lock on that ID. If the Techline Customer Support Center informs you of this situation, you must work with your Partner Security Coordinator to create a new ID. It also may require working with your local IT support to format and reload your PC Operating System.

LOCKED OUT

Starting September 12, 2024, GM will begin blocking counterfeit devices from use with GM service applications. Connecting counterfeit devices will result in that user ID being prevented from logging into GM service applications. It also may negatively impact warranty claims, depending on the procedures performed. If you experience any issues or errors logging into Techline Connect, please contact the Techline Customer Support Center at 1-800-828-6860.

Scan tools and diagnostic tools such as the MDI 2 are large investments for many service departments. For buyers to ensure that they are getting the real tool, and the tech support and warranty protection that comes with it, purchases should only be made from approved retail channels such as Bosch Diagnostics.

► Thanks to Chris Henley



Addressing Brake Noise

REQUIRES REGULAR MAINTENANCE

Some 2020-2025 Corvettes may have an excessive squeal or squeak sound from the front brakes. The sound normally only occurs on initial brake applications after the vehicle has sat for an extended period of time. The condition also may occur under light braking at speeds under 10 mph (16 km/h). After applying the brake 1–6 times, or after braking at higher speeds, the sound will no longer be heard. The sound also may occur more frequently in high humidity conditions.



A squeal or squeak sound may be heard from the front brakes.

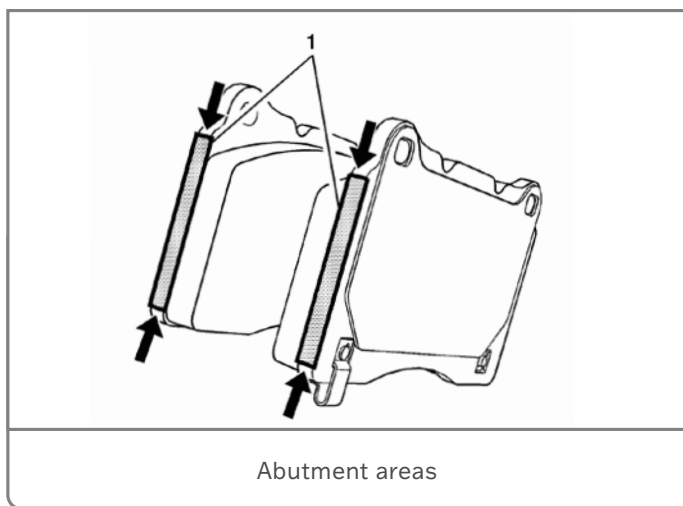
To help reduce brake noise, the brake pads are treated with an anti-squeal copper paste on the abutment areas of the pad backing plates. The paste will dissipate over time and may need to be reapplied periodically as part of normal vehicle maintenance.

TIP: This is a customer-paid maintenance item and is not covered as a warranty repair under the New Vehicle Warranty, as described in the Corvette Owner's Manual.

If brake squeal is excessive, the anti-squeal paste should be reapplied. The anti-squeal paste should always be reapplied when the brake pads are removed or replaced.

The use of wheel cleaners or power washers pointed directly at the brake calipers may remove the copper paste from the brake pads. It may be necessary to apply the anti-squeal paste again if the lubricant is washed away.

TIP: The high-performance brake system will have a tendency to make some noise when used in a street setting. In low-speed driving, the brakes may not have the chance to get up to "operating temperature," so some noise is to be expected. This does not mean that there is a concern with the brakes on the vehicle.



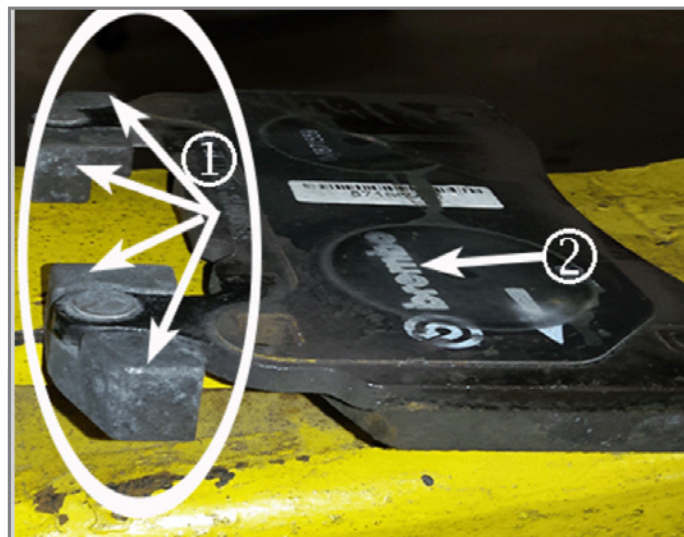
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1. Cleaned abutment area
2. Correct amount of copper paste
3. Incorrect amount of copper paste

Before applying the paste, remove the brake pads from the calipers and clean both ends of the abutment areas on the pads and calipers. Apply a coat of copper paste to completely cover the pad backing plate abutments on each end. The paste should not extend onto the friction material.

Do not remove the silencers on the pads.



Do not remove the silencers (#1) on the pads.

When replacing the brake pads, always use Brembo GM OEM pads. Aftermarket pads may result in a change in the braking performance.

For more details, including part numbers, refer to Bulletin #24-NA-221.

► Thanks to Lane Rezek

TECH LINK

GM TechLink is published for all GM retail technicians and service consultants to provide timely information to help increase knowledge about GM products and improve the performance of the service department.

Publisher:
Rick Miller
GM Customer Care and Aftersales

Editor:
Paul Bielecki
GM Customer Care and Aftersales

Technical Editor:
Mark Spencer
mspencer@gpstrategies.com

Production Manager:
Marie Meredith

Creative Design:
5by5 Design LLC
dkelly@5by5dzn.com

Write to:
TechLink
PO Box 500, Troy, MI 48007-0500

GM TechLink on the Web:
GM GlobalConnect

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