



Service Advisory

3 July 2001

To All Solectria EV Customers:

Due to corrosives and moisture in transportation environments, measures are required to protect the electrical systems against corrosion. Silicone dielectric grease should be applied to all non-waterproof, non-sealed high-voltage and 12V connectors. Qualified service personnel should apply silicone dielectric grease approximately once a year. See below for a list of connectors and their locations.

Please note: when installing replacement components, apply silicone dielectric grease to the connectors as needed.

Call Solectria's Customer Service Department with any questions or comments at 978 658-2231, or e-mail us at customerservice@solectria.com.

Identify and visually inspect each of the connectors described below (see chart if unsure of location). If the connector is damaged, i.e. cracked, broken, or corroded, call Solectria for replacement parts. Do not handle damaged connectors! If the connector and the pins are in sound condition, apply grease to the pins and fill both halves of the connector from the back with a liberal amount of silicone dielectric grease. Do not use conductive applicators. Do not use your fingers because these parts are high voltage! Do use a tongue depressor or clean Popsicle stick. Always wear rubber high voltage insulating gloves. You may need to disconnect connectors in order to effectively grease them. This is acceptable, but heed the safety warnings in your vehicle's owner's or service manual. If the connector is already greased then reapply to ensure full coverage.

If you have any questions or doubts Call Solectria's Customer Service Department at 978 658-2231, or email us at customerservice@solectria.com. It is easier to ask a question than it is to repair a mistake.

HIGH VOLTAGE PRECAUTIONS: Always treat high voltage with respect. Unplug the vehicle from the wall before beginning. Wear electrically insulating gloves and safety glasses when working with connectors and components. Do not let connectors sit in water. Always assume any damaged wires or components are dangerous. Contact Solectria immediately if you are unsure about any of these precautions.

If this vehicle is not in your possession at this time, please forward this letter to the appropriate vehicle owner or service provider.

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CONNECTOR DESCRIPTION

	DRIVE MOTOR CONTROLLER	BATTERY CHARGER	DC:DC CONVERTER	DC20 & DC30 MOTOR CONTROLLERS (for A/C & power steering)	HIGH VOLTAGE DC FUSE BOX
Input	Large 2-pin grey or orange connector. These connectors are high voltage and are always live. DO NOT TOUCH THE PINS.	Grey 3-pin 20 amp connector. (6-20 P/R)	Small white 2-pin connector. This connector is high voltage and is always live. DO NOT TOUCH THE PINS.	Small white 2-pin connector. This connector is high voltage and is always live. DO NOT TOUCH THE PINS.	Medium-size red 1-pin connector. This connector may be labeled "Service Disconnect."
Output	Large 3-pin red, white, and blue connector.	Medium-size red 2-pin connector. This connector is high voltage and is always live. DO NOT TOUCH THE PINS.	Medium-size grey 2-pin connector.	Small white 2-pin heavy duty connector to A/C or power steering motor.	Heat, DC:DC, A/C and power steering controllers: small white 2-pin connectors. These connectors are high voltage and are always live. DO NOT TOUCH THE PINS. AH meter: small white 4-pin connector. This connector is high voltage and is always live. DO NOT TOUCH THE PINS.

LOCATION OF HIGH VOLTAGE CONNECTORS

	DRIVE MOTOR CONTROLLER	BATTERY CHARGER	DC:DC CONVERTER	DC20 & DC30 MOTOR CONTROLLERS	HIGH VOLTAGE DC FUSE BOX
E-10 - 1994 & early 1995	4 connectors, 2 for each controller under truck bed	Chargers are in passenger compartment - no grease needed	Under hood, driver's side	Under hood, driver's side	Under hood at firewall (1994 behind seat - no grease needed)
E-10 - late 1995, 1996, 1997	4 connectors, 2 for each controller under truck bed	Under hood, passenger's side	Under hood, driver's side	Under hood, driver's side	Under hood at firewall (late 1996 and 1997 have waterproof output connectors)
Force - before 1998	Under hood	Charger(s) in trunk or passenger compartment - no grease needed	Under hood, driver's side	Under hood, passenger's side	Under hood near right strut tower or at rear of battery box (output connectors are near firewall)
Force - 1998 and later	Under hood	Charger(s) in trunk or passenger compartment - no grease needed	Under hood, driver's side (input connector is waterproof)	N/A - connectors are waterproof	Input labeled "Service Disconnect" (output connectors are waterproof)
Flash	Under seats	Under driver's seat	Under passenger's seat (input connector is waterproof)	N/A - connector is waterproof	Input is 2-pin and labeled "Service Disconnect" (output connectors are waterproof)
Citivan	Under cowl	Under hood (input is hard wired - no connector)	Under hood, passenger's side (input connector is waterproof)	N/A - connector is waterproof	Input labeled "Service Disconnect" (output connectors are waterproof)
DW	Under hood	Charger in trunk - no grease needed	Under hood, passenger's side (input connector is waterproof)	N/A - connector is waterproof	Input is 2-pin and labeled "Service Disconnect" (output connectors are waterproof)
LLV	Under hood	Under hood (input is hard wired - no connector)	Under hood, passenger's side (input connector is waterproof)	N/A - connector is waterproof	Input labeled "Service Disconnect" (output connectors are waterproof)