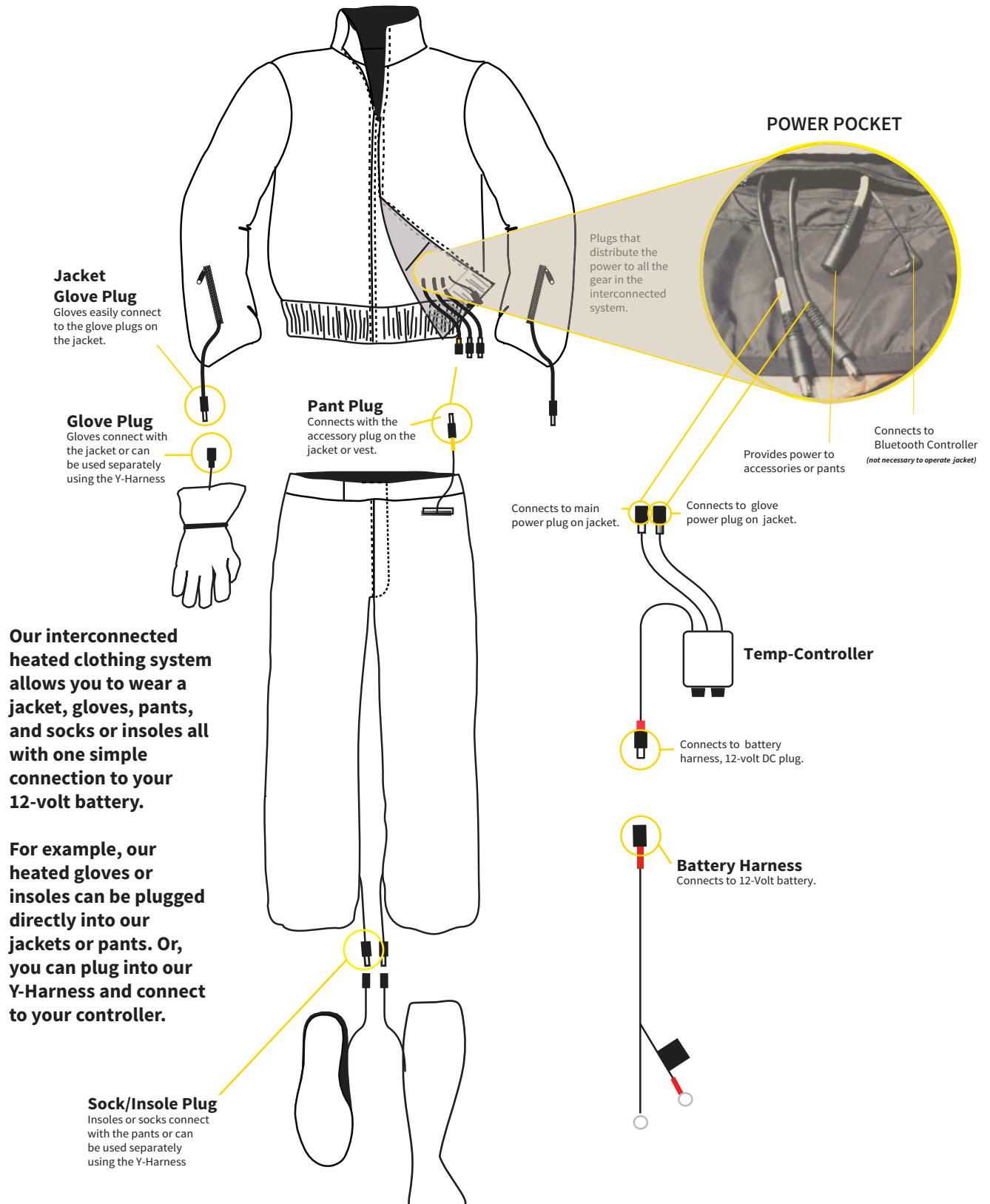




HOW IT WORKS

HOW IT WORKS

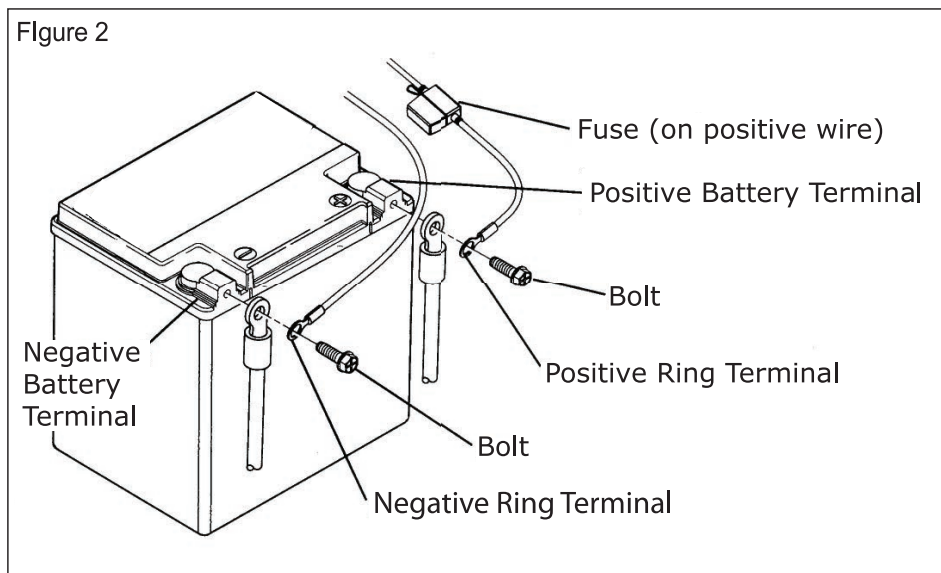
INTERCONNECTED HEATING SYSTEM



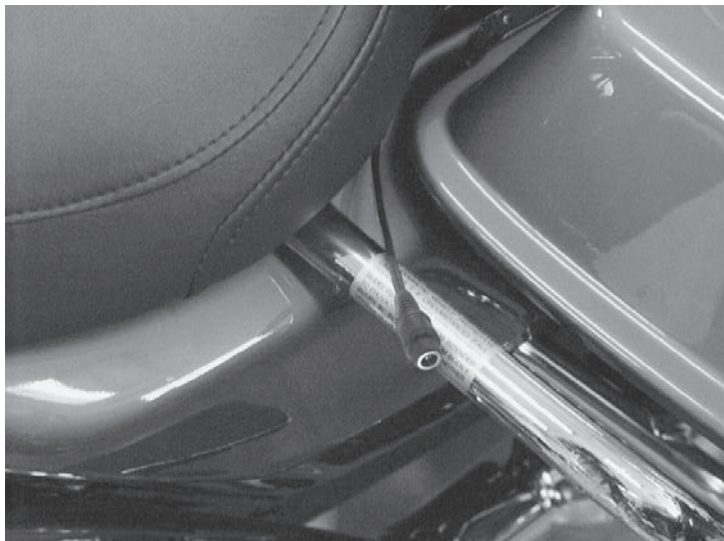
HOW IT WORKS

INSTALLATION OF BATTERY HARNESS - KEY CONSIDERATIONS

- Refer to the Seat and Battery sections of the motorcycle's manual for installing the Battery Harness.
- Disconnect the battery cables (negative cables first) when beginning installation.
- **We strongly recommend always using a Gerbing Battery Harness.**
- Each person should use their own Battery Harness, as well as have their own power cord and controller. Separate heated garments being used by two individuals must not be interlinked to share one Battery Harness.



Battery Harness External Connection



Gerbing Temperature Controller connects to the external Battery Harness here.

HOW IT WORKS

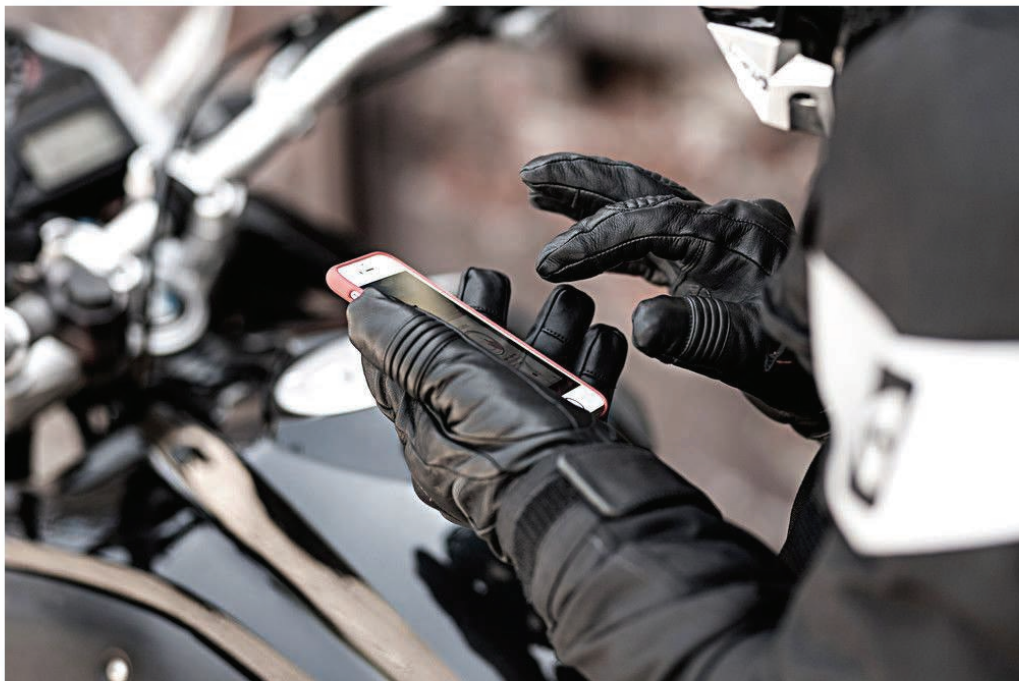
AMP/WATTAGE DRAW - KEY CONSIDERATIONS

- **Be sure gear is disconnected or turned off when vehicle is not in use.**
- **WARNING!: In most installations, heated clothing hooks directly to the battery and draws electricity even when the ignition is turned off.**
- Find out the vehicle's maximum electrical output capacity in watts, and then subtract that from the wattage draw when all of your vehicle's electrical components are working. The remaining wattage number is what is available to operate additional electrical accessories, such as our heated clothing.

Example

- Vehicle's electrical output capacity = 280 watts
 - Wattage draw from electrical components = 130 watts
 - Remaining watts for heated clothing = 150 watts
- It is possible to overload the motorcycle's charging system by adding too many electrical accessories. If the combined electrical accessories operating at any one time consume more electrical current than the vehicle's charging system can produce, the electrical consumption can discharge the battery and cause electrical system damage.

Note: the vehicle has other accessories that use electrical power needed to operate heated clothing (e.g. fuel injection system). Take all of these into account when calculating total system load.



HOW IT WORKS

BATTERY HARNESS FUSE SELECTION - KEY CONSIDERATIONS

- **Only use a fuse rated for the riding gear combination being used. Using a higher rated fuse than needed may result in the fuse not preventing electrical system overload, and thus failing to protect the circuit. This can cause damage to riding gear, vehicle, or persons.**
- Using a lower rated fuse than specified can result in the fuse continuously blowing, and the product not working as designed.
- Installers and customers should always refer to the below fuse chart.
- Battery Harness comes with the below fuse set. However, it does not come with a pre-installed fuse.
- Review the chart and install the correct size fuse for the clothing combination the rider will be using.
- When adding or changing the combination of items being used, check the fuse requirements and change the fuse as recommended in the chart below.

PRODUCT	GLOVES	INSOLES/SOCKS	JACKET	PANTS	VEST
AMP DRAW	2.2	1.2	6.9	4.5	4.5
	per pair	per pair	each	each	each

The amp draws listed are based on 12V calculations, when powered through a Motorcycle @ 13.8 - 14.1V the draw can be higher.

Example: Jacket at 12V is 6.9 amps and at 14.1V is 7.6 amps

Example: Gloves @ 2.2 amps + Jacket @ 6.9 amps = 9.1 amps

Fuse required = 10 amp

Use the lowest rated fuse that is rated above your calculated total electrical current draw.

Fuse color chart

COLOR	VIOLET	TAN	BROWN	RED	BLUE	YELLOW
AMP	3	5	7.5	10	15	20



Note: We strongly recommend always using a Gerbing Battery Harness.



HOW IT WORKS

12V PLUG IN HEATED CLOTHING - KEY CONSIDERATIONS

All of the 12-volt plug-in products in the Gerbing Heated Gear line may be used alone, or in any combination, as long as they do not exceed the maximum amperage allowed by the customer's motorcycle. Additionally, be sure to reinforce the following with customers:

- **Use only the Battery Harness sold by Gerbing® Heated Gear.**
- Using the Battery Tender® harness that may already be installed on a motorcycle is not recommended for powering Gerbing gear.

Note: If using the Battery Tender® harness you will need to use a female adapter, and will need to confirm that the Battery Tender has the correctly rated fuse selected for your gear combination.

Note: By using this method, you bypass Battery Tenders built-in safety provision. If you are only using one harness, we recommend that you install a Gerbing Battery Harness and use the male adapter to charge your battery.



- **We recommend that you keep both harnesses. Install a Gerbing Battery Harness to provide power to the Gerbing gear and use the Battery Tender® harness to charge your battery.**
- Gerbing® Heated Gear must be used with a way to control the heat. We offer a Dual Bluetooth Controller, Dual Wireless Controller with optional remote, Single Controller, Dual Permanent Controller, and Single Permanent Controller. (See website for details on our Temperature Controllers.)
- If Gerbing® Heated Gear will be worn by both rider and passenger, install two Battery Harnesses to the battery terminals and use two controllers to control each person's gear.
- **NEVER switch on Gerbing® heated gear if the motorcycle engine is turned off or running below the indicated engine speed. Damage to the gear and electrical system may occur.**
- Heated gear must be used in accordance with the manufacturer's specifications and instructions.
- **Use the Gerbing® 12-volt plug-in heated gear on a 12-Volt DC circuit only.**

