



BULLETIN

GENERATOR SYSTEMS

Water Damage Potential

Smart Power hydraulic generators are designed and built to operate in the rugged environment of the fire and rescue industry.

 However, generator exposure to direct water spray or water ingress can cause generator damage and personal injury from electric shock.

 Precautions must be taken to provide for adequate water drainage and to protect the generator from improper installation and exposure to the environment. Installation and care of the generator must consider the following potential sources of water damage:

1. **Mounting** - The installer or manufacturer must mount the generator in a location on the vehicle that is protected from water sources such as the deck water cannon and pump reservoir overflow opening. The ideal location for the generator is at or near the top of the vehicle in a dunnage area. *Best design practice to prevent water damage is to elevate the generator as high as possible within the dunnage area of the vehicle and provide adequate drainage. (See examples on the back)*
2. **Drainage** – The area where the generator is mounted must be provided with a water drain or drains appropriately sized and located to guarantee the maximum potential water flow rate for the application will not accumulate to a depth greater than one-quarter inch. *Drains must be maintained and kept clear of stored equipment and debris at all times.*
3. **Washing** - Direct spray of high pressure water onto the generator surfaces must be avoided to prevent water damage. **AVOID POWER WASH.**
4. **Road Spray / Salt** - Do not mount the system anywhere on the vehicle where it will be exposed to road spray.

Warranty Will Be Void

Evidence of improper mounting, inadequate or poorly maintained drainage, and abuse that may result in any form of water damage will void the generator warranty.

Additional Information

For more information and technical performance data, contact Customer Service at (231) 832-5525

Smart Power Systems®

5000 North US-131, Reed City, MI 49677-7922
(231) 832-5525 · Fax (231) 832-3876 · sales@smartpower.com
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Examples

GOOD Installation/Proper Drainage



ADEQUATE DRAINS

BAD Installation/Inadequate Drainage



BAD INSTALLATION