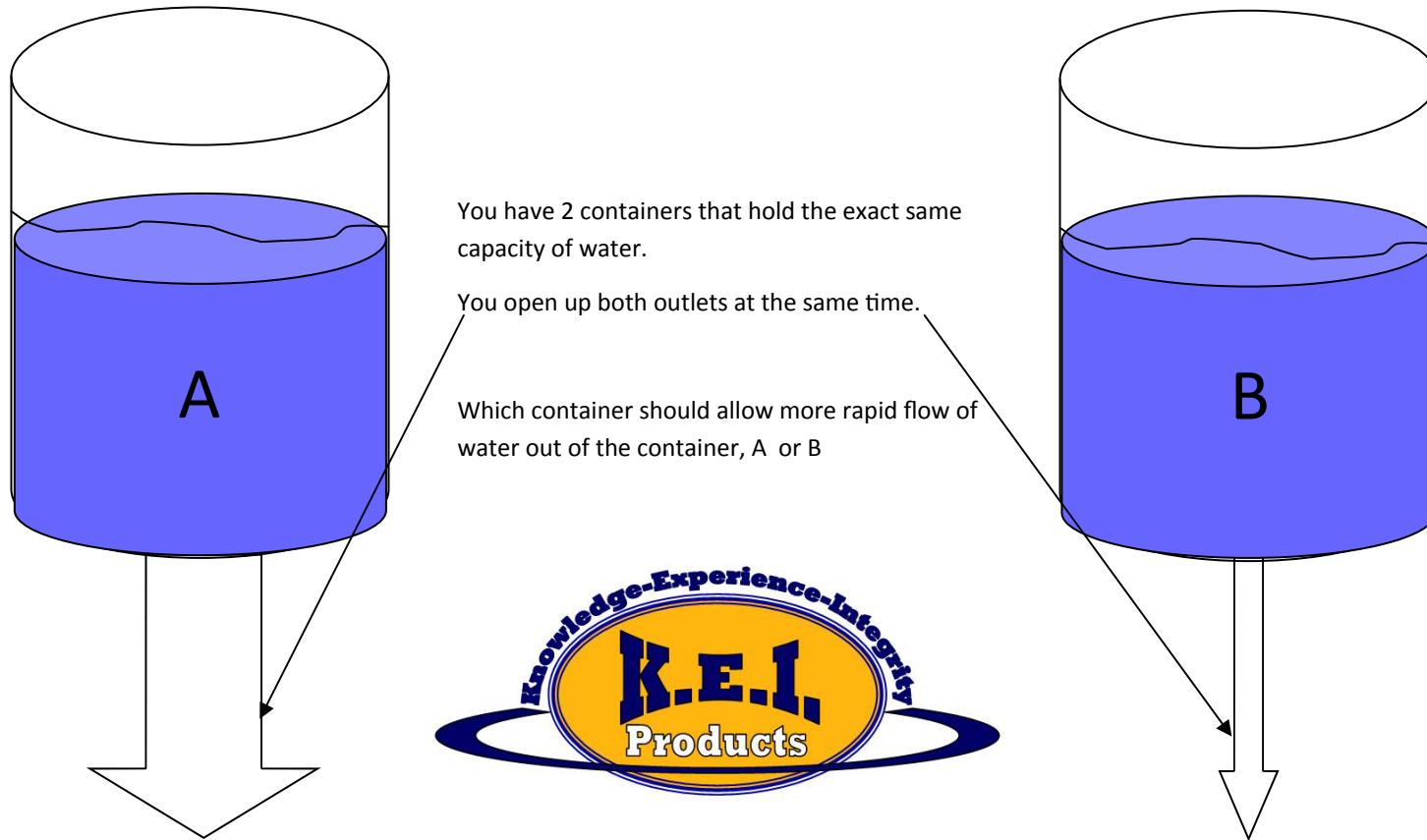


## Why upgrade your wiring, when installing a high output alternator?



### Technical Support

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The answer is "A" because the outlet tunnel is larger, meaning less resistance, than "B", which would be more resistant to the flow of water. The same is true for current coming out of an alternator to the battery. The larger the cable, the more amperes allowed to flow to the Battery bank, to cover the vehicles electrical load. This is true for both the positive and the negative cables associated with the alternator. Note, The ground cable **"Must"** be grounded directly to the vehicle chassis, not the engine, because the engine does not have the correct ground for a higher output load. Failure to upgrade your wiring to the proper gauge wiring "will" cause pre-mature failure of your charging system (Alternator, Batteries etc.) All K.E.I. installation sheets have a chart showing the correct wiring gauge necessary for proper function of the charging system.