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If your Alpine truck is equipped with a cooler bypass valve don't forget to "CLOSE IT FOR THE SUMMER"



WINTER — IN LINE WITH HOSE



SUMMER — 90 DEG TO HOSE

CABLES & CONNECTIONS

Mike Ulakovic



Having been a Licensed Mechanic since the mid seventies, one of the most time consuming/costly things is to find a broken or bad electrical connection. As any fleet gets older they will demand more maintenance, and maintaining the electrical connections is important. This holds true if you are looking into a clearance light problem or in the case of the shred truck a wire that connects to the solenoids, motors, limit switches or sensors that control the equipment.

If not maintained, the connections seem to fail on the coldest or wettest day of the year (Murphy's Law). Areas of note are the large battery cables that go from the battery to a fuse from the fuse to a relay and from the relay up into the main electrical panel. Just in the brief description above there are six connections involved outside the shredder area to get power to the main panel. The connections in and around the batteries are the most susceptible to connection/corrosion problems, this is due in large part because of the chemicals and salt used in areas where there is ice and snow. Those that live in the warmer climates do not have as big a problem but are not immune to connection/corrosion problems.

It is good practice to inspect each battery terminal and clean them as needed. Replace any cables that show indications of the corrosion migrating up into the wires. Washing off the top of the batteries with a mixture of ¼ cup of baking soda to one quart of water will neutralize any acid which accumulates on top of the batteries as part of the natural charge cycles. Ensure the area is well rinsed off with clean water after the mixture has had time to do its work.

This is the most IMPORTANT part of the article if you do not remember anything else, MAKE SURE TO PUT THE CABLES BACK ON THE CORRECT TERMINALS. Not doing so can be an expensive error not only in the actual cost of the parts but the down time involved in replacing the damaged components. In short pay careful attention when working on the electrical system of your shred truck.

ALPINE SHREDDERS QUALITY ASSURANCE PROGRAM

Shane Simpson

ALPINE HAS ALLOCATED MORE RESOURCES TOWARDS QUALITY



Although Alpine has a solid reputation for building quality products that constantly exceed our customer's expectations, we are never satisfied with the status quo. Because of Alpine's ongoing product improvement strategy, Alpine has allocated even more resources towards quality assurance and manufacturing techniques to make the product experience even greater for the consumer.

Before a customer receives a new truck from Alpine Shredders it must pass Alpine's stringent quality assurance standards. First when the new chassis is delivered to Alpine from the dealership it must pass through an Alpine chassis delivery inspection prior to being released into production. Also every major component that is purchased from an outside vendor must pass an inspection before they will be used on any Alpine product. Next to ensure a strong and consistent product for every customer, after each employee completes their specialized task (welding a part, installing hydraulic hoses, etc.), they are required to sign off that they completed it to Alpine's strict standards. Finally each truck goes through a final quality assurance audit to make sure that all customers get what they expect from their Alpine product. During the final audit a member of the Alpine Engineering department will sign off that all manufacturing and assembly was done correctly. In addition, they check to make sure that all operational functions of the truck are subjected to comprehensive testing ensuring that each works as it should.

Procuring quality parts in a timely manner at a reasonable price for the customer has always been something Alpine has strived to do better than their competition. Alpine has spent the last couple of years harmonizing the product line, so that each model produced by Alpine shares a large majority of common components. This manufacturing approach enables Alpine to manage less inventory part numbers and ensure good quality on larger volumes. Fewer part numbers and larger volumes means Alpine can continue to offer good quality parts at a competitive price.

DEF CONTAMINATION = EXPENSIVE DOWN TIME

Peter Viveen

REPAIRS THAT CAN EASILY EXCEED THOUSANDS OF DOLLARS

As many of you are now aware modern trucks require Diesel Exhaust Fluid (DEF). What most of us don't realize is the importance of DEF quality. Poor quality DEF can result in clogged DEF injectors, formation of gummy deposits, reduced surface area of the catalyst and crystallized DEF build up. All of these issues can lead to non-warrantable repairs that can easily exceed thousands of dollars.

DEF is extremely sensitive to chemical impurities and crystallization. There are some simple things you can do to help prevent DEF contamination and crystallization:



- Make sure your containers are properly sealed between fills.
- Do not use funnels or bottles from other products.
- Do not transfer your DEF into other containers.
- Do not store DEF below 32F or above 86F and not in direct sunlight. With this the shelf life will be a solid 12 months.
- Do not allow any crystallized DEF from nozzles, funnels or transfer equipment to enter your DEF tank.
- If you are filling your DEF tanks at a fuel station only use a supplier that follows proper handling techniques and procedures that prevent contamination.

The above list outlines only common preventative maintenance actions however there are additional techniques and procedures that can be taken. You should consult both your chassis dealership and DEF supplier for recommended procedures and techniques.

DON'T GET STUCK WITH THE WRONG EQUIPMENT

Guy Wakutz



Do you market and promote your services to include small shred size? When we have prospects requesting information about mobile shredding equipment that can produce small shred size, our follow up question is what shred size are you looking for? This is when the conversations get interesting. It seems that everyone has a different answer or is not aware what their customer's exact needs are.

Over the past few years, we have found that shred size is a moving target and therefore this equipment must offer solutions that fit ALL shred size needs now and into the future. This is why we engineered and designed the Alpine Dual Shred to use screens to control particle size. IF YOU DON'T USE A SCREEN YOU CAN NOT CONTROL PARTICLE SIZE. This system will allow the ability to produce standard 5/8" x 2 1/2" shreds at 7,000 lbs/hr (this is where you'll make 95% of your money) and then with a push of a button shred through a secondary granulator with a screen producing controllable sizes down to near dust.

Multiple screen sizes to fit all your customers particle size needs: 2", 1 1/2", 1", 3/4", 5/16"...all the DIN security levels covered. With our quick screen change out system you can change screens in 5-10 minutes and be on your way.

If particle size standards change in the future, our Alpine Dual Shred can adjust with them – simply change out the screen.