



**Chart Industries, Inc.**  
**407 7<sup>th</sup> St. NW**  
**New Prague, MN 56071**

## TECHNICAL SERVICE BULLETIN TSB-Z01-032

**Title:** Regulator Board Relocation

**Products affected:** Orca with WEG Alternator (SN less than 19304)

**Priority:** High

**Written By:** Don Friendshuh

**DATE:** 3/28/2007

**Approved By:** Troy Lindquist

**Issue:** Regulator board failure, due to moisture

### Parts required:

<b>Part Number</b>	<b>Description</b>	<b>Qty,</b>
2910511	HHCS SS 1/4-20* 1" LG	4
2914071	LOCKNUT SS 1/4-20 W/NYL INSERT	4
10476441	WASHER FLAT SS .250 NOM	8
13571540	BLADE 1/4" F INSUL DISCONNECT	2
13560445	ELBOW 90 D CORD CONN 3/4" .5-.62	1
13571401	ENCLOSURE, WEG REGULATOR	1
13620268	WASHER REDUCING 1-1/4" TO 3/4"	2
900710	CABLE TIE NYL 8.00" LG BLACK	6
	SILICONE SEALANT	(Not Included)

## Tools Required:

- 1) Drill 5/16" drill bit
- 2) 7/16 wrench and socket
- 3) 5/16 nut driver
- 4) Adjustable pliers
- 5) Crimping tool
- 6) Grinder (To remove Tab on Alternator Cover)

## Instructions: See Photos



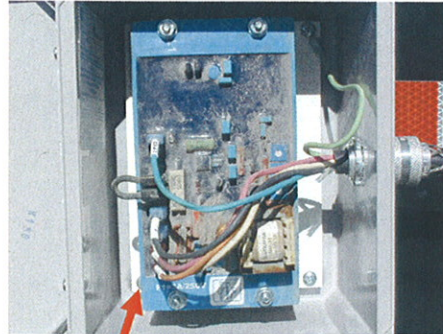
Remove alternator cover and grind off bottom tab.



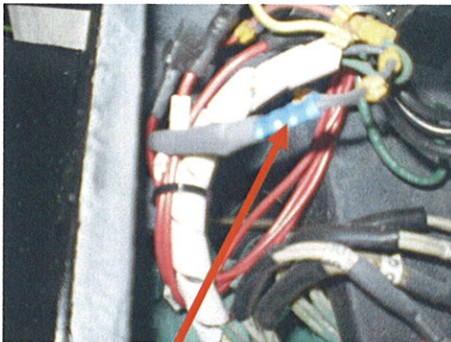
Align box on Alternator frame or on truck chassis if other truck equipment prevents positioning as shown, drill holes and bolt box in place.



Attach 90 degree conduit elbow.  
Use large washers for seal.

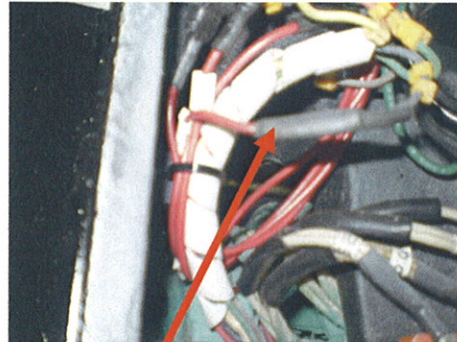


Mount Regulator board inside the new gray enclosure and connect wires to the regulator board. (Wires and Board labeled)



Remove 90 degree spade connectors from wiring at original board location, strip back wiring and butt splice to the remote enclosure wiring matching up wiring numbers accordingly.

(Note: Remember to slide shrink tube into place before splicing.)



Heat the shrink tube, for a tight seal and seal box with Silicone.

**Please contact Chart Industries at (800) 336-4683, or (800) 678-1636 for ordering, installation or start-up questions.**