



SERVICE BULLETIN No.004

Circulate to listed addressees.

PRODUCT MODEL	: CCS Lightning
BULLETIN TYPE	: Product Correction
MANUAL / SECTION	: N/A
PARTS LIST REVISION	:
EFFECTIVE DATE	: December 6, 2005
SUBJECT	CABLE ROUTING CHANGE: BATTERY POSITIVE TO FUSE BLOCK ADDITION OF POSITIVE ISOLATOR BOOT ***MANDATORY FIX ON ALL UNITS AFFECTED****
UNITS AFFECTED	: 20060 TO 20119, 20747
PARTS AFFECTED	: 1059098 Harness, positive to fuse block.
TERMS & CONDITIONS	:

DESCRIPTION:

Interior APU Battery positive cables may loosen and arc. Reduce the amount of lugs on the positive post inside the APU to correct the possibility of loosening. Remove the positive battery to the fuse block cable and reinstall lug at the starter positive stud. Grease all studs. Add boot then reinstall remaining positive to starter cable on interior post. Tie as required avoiding chaffing. Inspect, all hardware mounting the positive and negative studs to the APU cradle. Remove screws and reinstall with blue Loctite.

*****MANDATORY FIX ON ALL UNITS AFFECTED******

Service personnel: Please read, initial and circulate.

Service Manager	Parts Manager	Warranty administrator	Workshop Foreman	Service Technician

PARTS AND PRODUCTS:

OLD PARTS:

PN:	Description:	Qty:
N/A		

NEW PARTS:

PN:	Description:	Qty:
#1059033	TERM, RING, 2 AWG, INSULATOR CAP, RED	1
#1057994	Tie wrap, 5"	A/R

SYMPTOMS:

- Wearing of battery cables may cause intermittent arc. Possible fire hazard.

CORRECTION:

1. Remove APU's main 150 Amp fuse at the truck battery's.
2. Remove rear alternator cover on back of APU.
3. Inspect all mounting hardware for studs. Remove screws to mount studs one by one, add loctite and tighten.
4. Identify positive to fuse block cable on interior stud. Alternator removed for clarity.



5. Remove positive to fuse block cable from stud and reinstall on starter positive stud. Ensure cable is carefully re-routed and tied to avoid chaffing. Alternator removed for clarity.



6. Add boot to remaining positive stud to starter cable. Grease stud and re-install cable. Slide boot over stud.



7. Ensure all battery cables are tight inside the unit then grease remaining negative stud.
8. Install rear alternator cover.
9. Ensure there is adequate clearance between the exterior lugs and the alternator rear cover. Add washers for shims if required. Tighten battery cable lugs. Grease studs and re-install boots.
10. Re-install 150 amp fuse at truck battery. Run APU.