UNLESS OTHERWISE NOTED:
1. ALL RESISTORS ARE IN OHMS.
2. ALL CAPACITORS ARE IN MICROFARADS.
3. PRINTED CIRCUIT BOARD.

ASTRON CORPORATION
IRVINE, CALIFORNIA

DATE: 6/1/87
APPROVED: [Signature]

1212-18
INSTRUCTION SHEET
MODEL 1212-18 CONVERTER

This converter has been designed for use in trucks and other vehicles having abnormal polarity. Positive battery terminal grounded.

The converter will reverse the polarity to a normal negative ground system.
The input voltage is 12 VDC + GRD only (functional between 11 to 16 VDC + GRD). The chassis ground is common to both input and output.

The output voltage is 13.8 VDC regulated from zero to full load within ± 200mV. The unit will deliver 14 amp continuous 18 amp ICS. If overloaded, the input fuse (in-line) will blow. NEVER USE AN OVERSIZED FUSE.

The regulator is a 20KHz PWM (Pulse width modulation) current limited (12 amp) overvoltage protected (15 VDC maximum) system.

This converter features excellent line/load regulation typically 100 mV and very low output ripple, typically 50 mV.

INSTALLATION:

***CAUTION***

TO SPARE

OF
IGNITION SWITCH
(-12VDC):

BLACK

CONVERTER

RED

GREEN

+13.8VDC
OUTPUT TO
ACCESSORY

-12 VDC

CHARACTERISTICS:

VOLT

13.6 V
12 V
9 V
6 V
3 V

CONSTANT VOLTAGE OUTPUT

CURRENT LIMIT
(FUSE BLOWS)

AMP

14
18

RL241800-301