

# Waldoch Crafts

## System 6000 12V Switching System

1. Provides (4) Switched Circuits via Front Switch Panel

\* Switches 1 (READING), 2 (INDIRECT), and 3 (AUD/VID) are fused 12V outputs

\* Switch 4 (TV SPKR) is a non-fused TV audio output only

3. Provides (3) Accessory Ignition Outputs

5. Variable Courtesy input from Ford or GM chassis becomes a *Universal* courtesy output to the lights

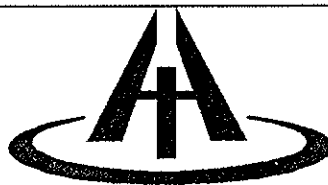
7. Low Battery Protection is *not available* on this System

9. Enhanced Communication Protection provides clearer/stronger communication between the panels

11. Switch Panel backlighting works as follows ....

\* "On" when Ignition is "On"

\* "Off" immediately when Ignition is turned "Off"



American Technology  
COMPONENTS, INCORPORATED

# Walden Crafts

## Feature Comparison

CADET, ELAN, BREEZE

System 6000

System 7000

2. (2) Accessory Battery Outputs

4. Dedicated Sofa Power Circuit

- \* With Ign. "Kill" (Sofa can move anytime Ignition is "Off")
- \* Fused at 30 Amps

2. (2) Accessory Battery Outputs

4. Dedicated Sofa Power Circuit

- \* With Ign. "Kill" (Sofa can move anytime Ignition is "Off")
- \* Fused at 30 Amps

6. (1) Courtesy output mirrors Factory delay

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8. Standard circuit protection

8. Enhanced Circuit Protection

10. Not available on this System

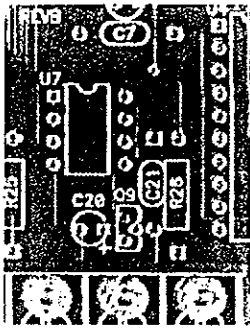
10. Switch #1 (Center) and Switch #2 (Rear) are available for either 20 minutes after the Ignition is turned "Off" or until sensing Low Battery

12. Switch Panel backlighting will be ...

- \* "On" when Ignition is "On"
- \* "Off" immediately when Ignition is "Off"

12. Switch Panel backlighting will be ...

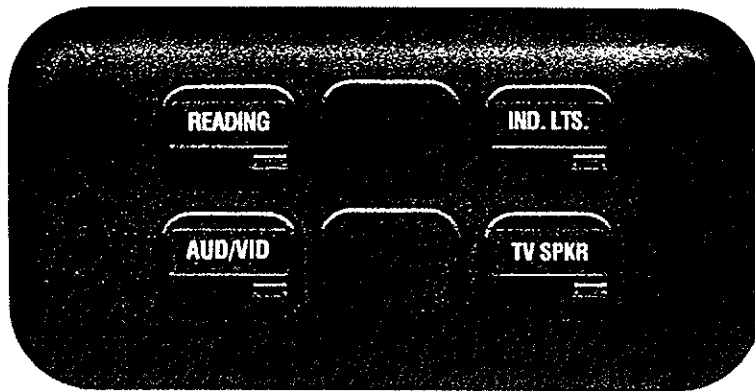
- \* "On" when Ignition is "On"
- \* "Off" immediately when Ignition and Switches #4 and #5 are "Off"
- \* "On" as long as Switches 1, 2, 4 or 5 are "On" during 20 minute delay
- \* "Off" 10 seconds after the last of Switches 1, 2, 4 or 5 is turned "Off" during 20 minute delay



# Look at American Technology... See the Difference.

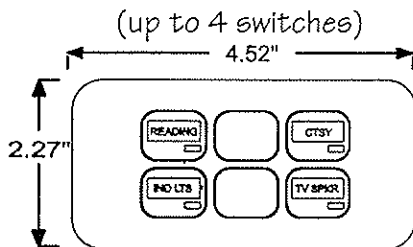
## 12V REMOTE SWITCHING SYSTEM

(System 6000)



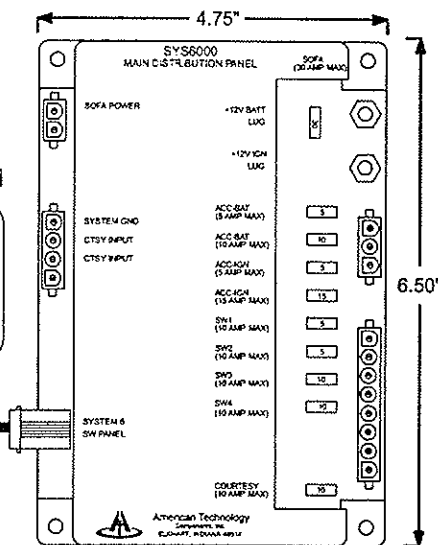
backlit text  
PUSH BUTTON  
control panels

greatly reduces  
CHASSIS WIRING



single  
CONTROL  
lighting

12v DC  
SWITCHING SYSTEM  
p/n AT-SYS SERIES



central fuse  
PANEL  
up to 10 outputs

The 6000 Switch System utilizes the new large button switch controls. These automotive styled backlit switch control systems will leave everything else in the dark.

With multiple uses and versatile functions these easy to use systems will apply to many specialty vehicle applications.

Applications include:  
Van conversions, Utility Trucks, Specialty Vehicles, Recreational Vehicles, and more.

Features include:

- Up to "4" switched circuits.
- Sofa power output.
- Courtesy (factory) delay circuit.
- RJ11 Communication Cable connectors.
- fused courtesy output.
- 2 fused ignition outputs.
- 2 fused battery outputs.
- 4 fused "switched" outputs.

CALL US TODAY WITH YOUR  
APPLICATION!

Call us or visit our website today!  
[www.atcomp.com](http://www.atcomp.com)  
1.800.238.2687



**American Technology**  
COMPONENTS, INCORPORATED

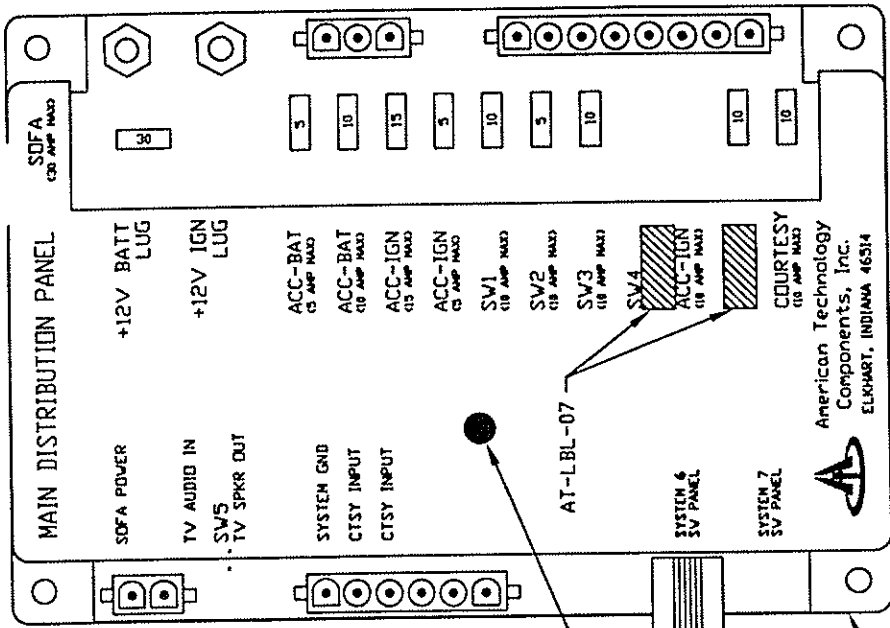
Look at American Technology... see the difference.

2905 LaVanture Place • Elkhart, Indiana 46514 USA  
219.262.1258 • FAX 219.264.9138

## SPECIFICATIONS

operating voltage  
up to 10 fused outputs  
operating temperature

+11V DC TO +14V DC  
UP TO 15AMPS DC MAXIMUM  
-40°C TO +85°C



+12V FUSED SOFA POWER OUTPUT

SYSTEM GROUND INPUT  
\* COURTESY INPUT  
\*\*\* COURTESY INPUT

COMMUNICATION CABLE  
TO FRONT SWITCH PANEL

MDL-ABS-153  
PRINTED BACK

MDL-ABS-143  
PRINTED COVER

+12V BATTERY INPUT

9 9

+12V IGNITION INPUT

+12V FUSED BATTERY OUTPUT  
+12V FUSED BATTERY OUTPUT  
+12V FUSED IGNITION OUTPUT

+12V FUSED IGNITION OUTPUT  
+12V READING OUTPUT  
+12V INDIRECT LTS OUTPUT  
+12V AUDIO/VIDEOD OUTPUT  
TV SPEAKER OUTPUT  
TV AUDIO INPUT  
+12V FUSED IGNITION OUTPUT  
+12V COURTESY OUTPUT \*\*\*

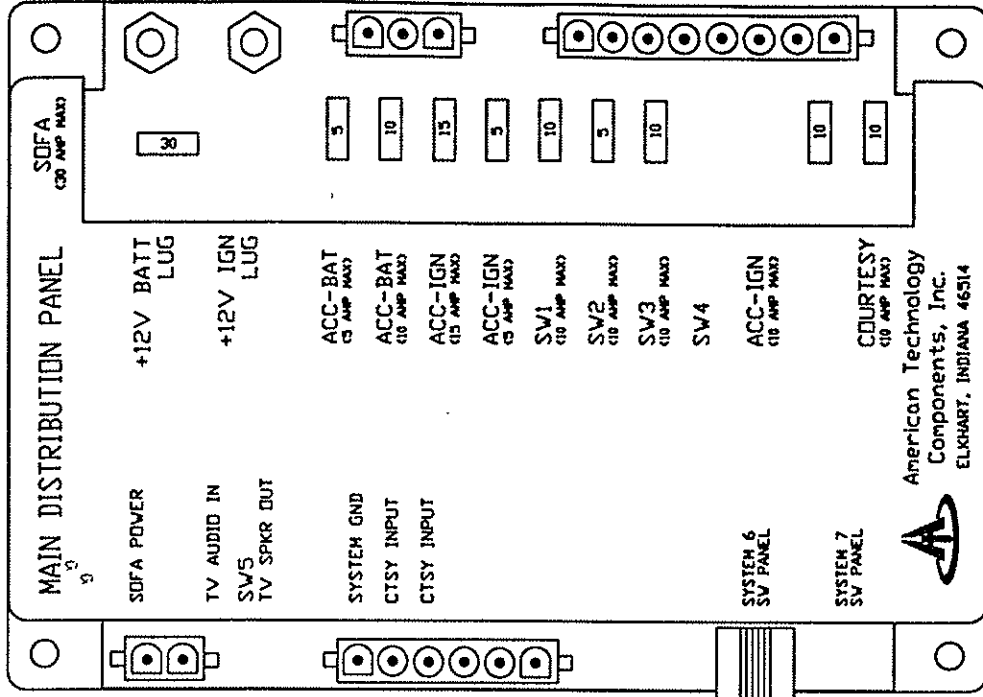
ALL +12V OUTPUT CIRCUITS MUST  
BE GROUNDED TO THE CHASSIS  
OR THROUGH THE HARNESS

- \* CONNECT TO ONE SIDE OF THE FACTORY COURTESY LIGHT (AT THE LIGHT OR TO THE SAME ELECTRICAL CIRCUIT.)
- \*\* CONNECT TO THE OTHER SIDE OF THE FACTORY COURTESY LIGHT (AT THE LIGHT OR TO THE SAME ELECTRICAL CIRCUIT.)
- \*\*\* COURTESY OUTPUT WILL GO OFF AT THE SAME TIME AS THE PRESET FACTORY COURTESY LIGHTS, DEPENDING ON FACTORY JUMPER SETTING.

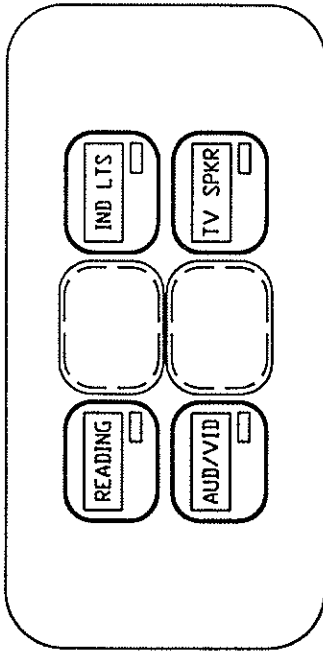
NOTE: SWITCH PANEL WILL BE BACKLIT WHEN THE IGNITION IS ON ONLY. THERE ARE NO TIMED CIRCUITS AND NO TIME DELAYS. ALL SWITCHES ARE TURNED OFF AND DISABLED WITH THE IGNITION OFF. THE SOFA CAN BE MOVED ANYTIME THE IGNITION IS OFF.

|                                     |         |                                     |          |
|-------------------------------------|---------|-------------------------------------|----------|
| AMERICAN TECHNOLOGY COMPONENTS, INC |         | 2905 LeVenture Place (219) 262-1258 |          |
|                                     |         | ELKHART, IN. 46514 FAX: 264-9138    |          |
| FOR: Waldoch Crafts                 |         |                                     |          |
| MODEL: SYSTEM 6 MAIN BOARD          |         |                                     |          |
| DRAWN BY:                           | KPD     | PART NUMBER:                        | ATSYS6M3 |
| DATE:                               | 6-26-00 | REV:                                | -        |

# ATSYS6M3



ATSYS6LB4-01



AMERICAN TECHNOLOGY COMPONENTS, INC. 2905 LaVenture Place (219) 262-1258  
ELKHART, IN. 46514 FAX: 264-9138

FBR: WALDOCH CRAFTS

MODEL: SYS6 SYSTEM DRAWING

DRAWN BY: KPD

PART NUMBER:

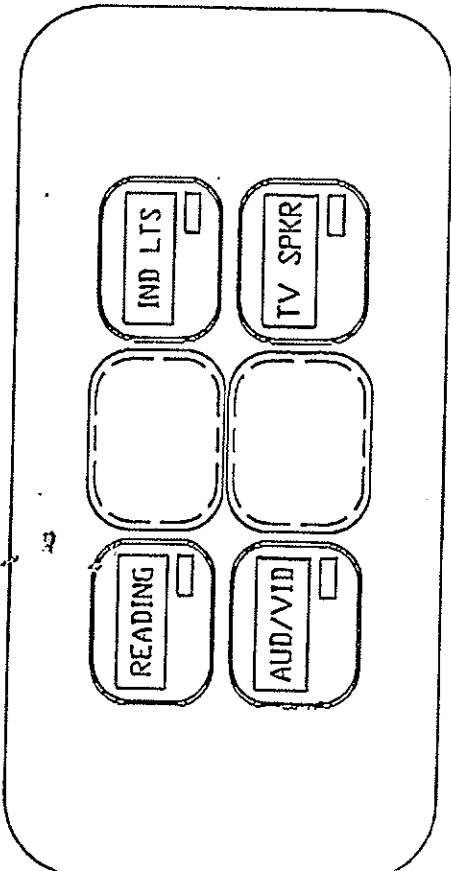
SYS6WALDOCH

REV:

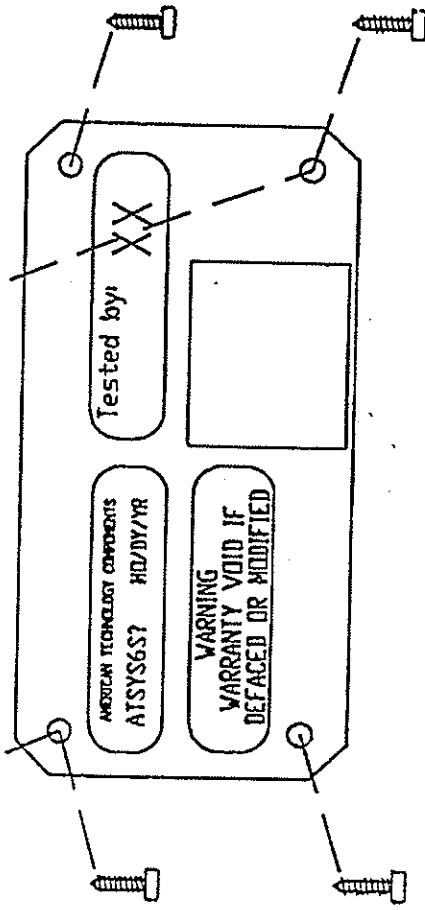
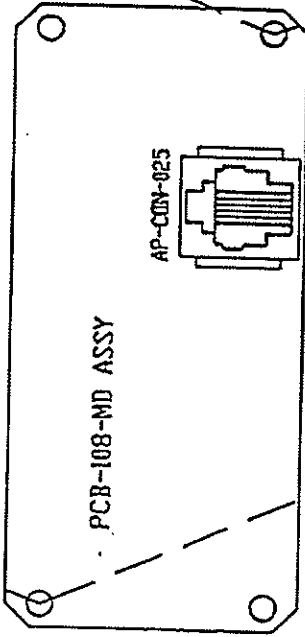
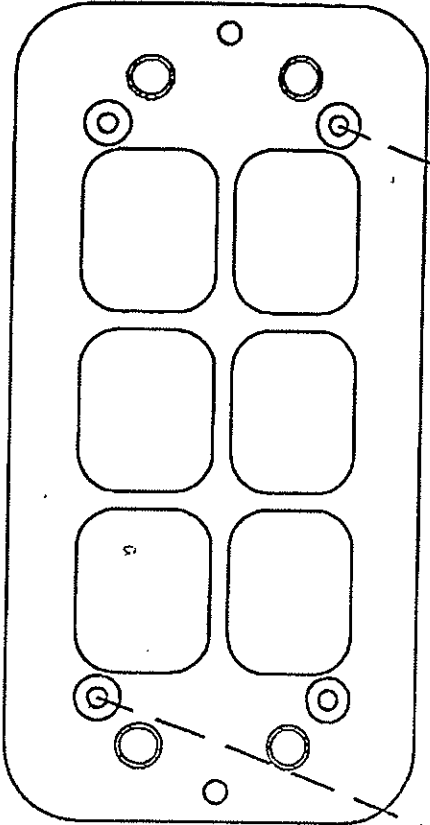
DATE: 9-12-00

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Q0716



4-GANG LG BUTTON PANEL  
 LG BUTTON SWITCH CAPS  
 AMBER LENS SNAPPED IN  
 INDIVIDUAL LABELS  
 • BLANK SWITCH CAPS



AMERICAN TECHNOLOGY COMPONENTS, INC 2905 LaVenture Place (201) 262-1258  
 ELKHART, IN 46514 FAX 264-9138  
 FPO: Waldoch Crafts  
 MODEL SYSTEM 6 FOUR LARGE BUTTON SWITCH PANEL  
 DRAWN BY: JON PART NUMBER: 2

7 DVR. FRT. HEADPHONE  
MOLEX #03-06-1122  
1-20G GRY  
2-20G WHT  
3-20G BLK  
4-BLANK  
5-BLANK  
6-BLANK  
7-20G BLK/WHT  
8-BLANK  
9-BLANK  
10-20G GRN  
11-20G BLU  
12-18G TAN  
#350628-1

DRIVER FRONT

3 ACC. OUTPUT  
AMP #640536-1  
1-18G TAN  
2-18G BRN  
3-18G PUR  
4-18G YEL/RED  
5-18G PNK  
6-BLANK  
7-BLANK  
8-18G ORG/BLK  
SOK #350536-1 (16-20G)

8 DVR. FRONT CTSY  
(FLOOR)  
18G ORG/BLK  
18G BLK  
250 INS. FEM.  
1520263-2

9 DVR. FRONT IND.  
18G YEL/RED  
18G BLK  
REDBUTT

5 SIDE RADIO  
18G BLK  
18G PNK  
20G BLU  
20G GRN  
20G BLK/WHT  
REDBUTT  
16G RED/BLU  
BLUEBUTT

1 AMP #480700-0  
1-14G RED A (SEE BLOCKING)  
2-16G RED/BLU  
3-14G BRN A (SEE BLOCKING)  
SOK #350536-1 (16G)  
SOK #350874-1 (14G)

2 CTSY OUTPUT  
AMP #480702-0  
1-14G RED  
2-BLANK  
3-20G GRY  
4-20G ORG  
SOK #350536-1 (20-16G)  
SOK #350874-1 (14G)

6 MAIN GROUND  
16G BLK  
16G BLK A  
#10 STAR RING  
(161795-3)

4 TAP TO TV  
AMP #480706-0  
1-16G BLK  
2-16G ORG/BLK  
3-16G PNK  
4-20G WHT  
5-20G GRY  
6-BLANK  
7-16G RED/BLU  
8-BLANK  
9-BLANK  
SOK #350536-1

4A TAP TO FT. A/C  
AMP #480700-0  
1-18G ORG/BLK  
2-18G TAN  
3-18G BLK  
SOK #350536-1

MATES TO  
W05-20137

MATES TO PT. 1  
W05-20204

SHIP WITH SUB-HARNESSES  
20104 AND 20137  
CONNECTED TO THIS HARNES

P.E. LOOM

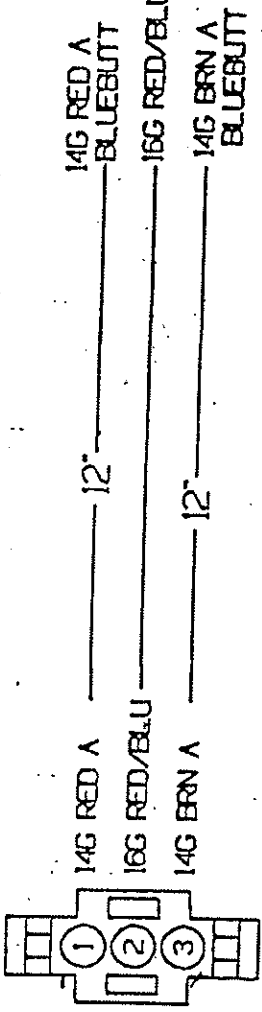
3/4" LOOM

SEE SHEET 2

|   |      |  |    |
|---|------|--|----|
| I HEREBY APPROVE THIS DRAWING FOR FABRICATION |      | W05-20101 E                                |    |
| SIGNATURE: <i>S.M.A.</i>                      |      | DESCRIPTION: SYSTEM 7000 MAIN HARNESS      |    |
| DATE: 11-15-99                                |      | MODEL: SIERRA, SUMMIT L.X. BOUNDARY WATERS |    |
| ECN #112                                      |      | ECN #112                                   |    |
| E   | 8702 | 10-06-00                                   | SL |
| D   | 8709 | 08-30-00                                   | SL |
| C   | 8301 | 04-19-00                                   | SL |
| B   | 8231 | 02-09-00                                   | SL |
| WALDOCH                                       |      | W05-20101 E                                |    |

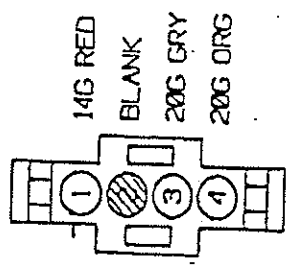
ALL WIRE TO BE TIED

POINT 1



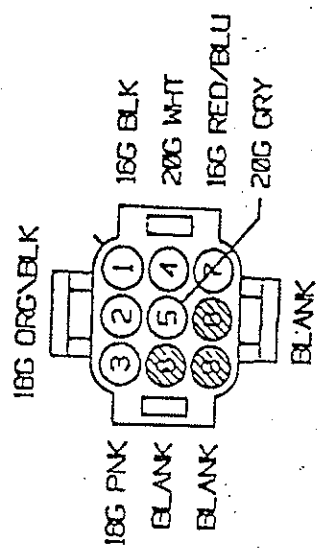
AMP #1-480700-0  
SOK #350536-1 (16G)  
SOK #350874-1 (14G)

POINT 2



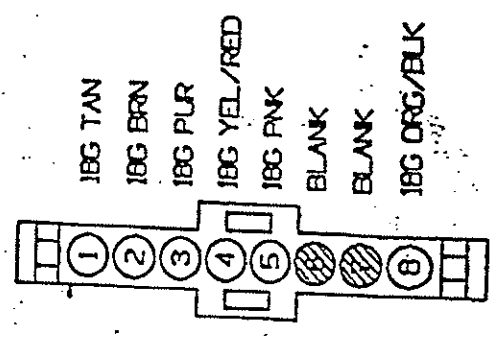
AMP #1-480702-0  
SOK #350536-1 (20-16G)  
SOK #350874-1 (14G)

POINT 4



AMP #1-480706-0  
SOK #350536-1 (20-16G)

POINT 3



AMP #1-640566-1  
SOK #350536-1 (20-16G)

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SIGNED: *[Signature]*

DATE: 12/10/99

|                           |       |             |    |
|---------------------------|-------|-------------|----|
| REV.                      | ECN # | DATE        | BY |
| E                         | 8782  | 10-06-00    | SL |
| D                         | 8709  | 08-30-00    | SL |
| C                         | 8301  | 04-19-00    | SL |
| B1                        | LHC.  | 03-02-00    | SL |
| WALDOCH                   |       | W05-20101 E |    |
| DESCRIPTION: MAIN HARNESS |       |             |    |
| MODEL: SYSTEM 7000        |       |             |    |
| ECN #B112                 |       |             |    |
| DATE: 11-15-99            |       |             |    |



| PT. | FUNCTION                | WIRE COLOR | WIRE GAUGE | WIRE DRAW | TEMP.  | REMARKS |
|-----|-------------------------|------------|------------|-----------|--------|---------|
| 1   | OUT FROM FUSE SYSTEM    |            |            |           |        |         |
|     | ACC WIRE                | RED A      | 14G        |           | 105° C |         |
|     | ACC WIRE                | BRN A      | 14G        |           | 105° C |         |
| 2   | SOFA AUDIO              |            |            |           |        |         |
|     | AUDIO IN                | GRY        | 20G        |           | 105° C |         |
|     | AUDIO OUT               | ORG        | 20G        |           | 105° C |         |
| 3   | ACC OUTPUT              |            |            |           |        |         |
|     | BACK LIGHT POWER        | TAN        | 18G        |           | 105° C |         |
|     | CENTER LIGHT POWER      | BRN        | 18G        |           | 105° C |         |
|     | REAR LIGHT POWER        | PUR        | 18G        |           | 105° C |         |
|     | INDIRECT LIGHT          | YEL/RED    | 18G        |           | 105° C |         |
|     | TV/RADIO POWER          | PNK        | 18G        |           | 105° C |         |
|     | COURTESY HOT            | ORG/BLK    | 18G        |           | 105° C |         |
| 4   | TAP TO TV               |            |            |           |        |         |
|     | GROUND                  | BLK        | 18G        |           | 105° C |         |
|     | COURTESY HOT            | ORG/BLK    | 18G        |           | 105° C |         |
|     | TV POWER                | PNK        | 18G        |           | 105° C |         |
|     | AUDIO GROUND            | WHT        | 20G        |           | 105° C |         |
|     | AUDIO +                 | GRY        | 20G        |           | 105° C |         |
|     | 12 VOLT POWER           | RED/BLU    | 18G        |           | 105° C |         |
| 4A  | TAP TO FRT AIRCRAFT LT  |            |            |           |        |         |
|     | COURTESY HOT            | ORG/BLK    | 18G        |           | 105° C |         |
|     | SWITCHED IGNITION POWER | TAN        | 18G        |           | 105° C |         |
|     | CHASSIS GROUND          | BLK        | 16G        |           | 105° C |         |

5

WALDOCH W05-20101 E  
 DESCRIPTION: SYSTEM 7000 MAIN HARNESS  
 MODEL: SIERRA SIMMIT 1 Y 8000000000

*Handwritten signature*

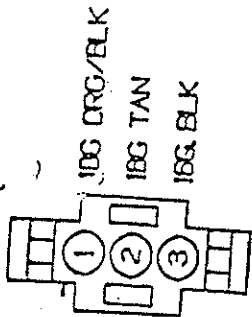
| PT. | FUNCTION                | WIRE COLOR | WIRE GAUGE | WIRE DRAW | TEMP.  | REMARKS |
|-----|-------------------------|------------|------------|-----------|--------|---------|
| 10  | 12V OUTLET              |            |            |           |        |         |
|     | CONSTANT HOT            | RED/BLU    | 16G        |           | 105° C |         |
|     | GROUND                  | BLK        | 18G        |           | 105° C |         |
| 11  | DVR REAR CTYSY (FLOOR)  |            |            |           |        |         |
|     | COURTESY HOT            | ORG/BLK    | 18G        |           | 105° C |         |
|     | GROUND                  | BLK        | 18G        |           | 105° C |         |
| 11A | DVR REAR HEADPHONE      |            |            |           |        |         |
|     | AUDIO IN                | GRY        | 20G        |           | 105° C |         |
|     | AUDIO GROUND            | WHT        | 20G        |           | 105° C |         |
|     | CHASSIS GROUND          | BLK        | 20G        |           | 105° C |         |
|     | AUDIO -                 | BLK/WHT    | 20G        |           | 105° C |         |
|     | RIGHT + AUDIO           | GRN        | 20G        |           | 105° C |         |
|     | LEFT + AUDIO            | BLU        | 20G        |           | 105° C |         |
|     | BACK LIGHT              | TAN        | 18G        |           | 105° C |         |
| 13  | SOFA POWER TAP          |            |            |           |        |         |
|     | ACC WIRE                | RED        | 14G        |           | 105° C |         |
| 14  | DVR REAR INDIRECT LIGHT |            |            |           |        |         |
|     | INDIRECT POWER          | YEL/RED    | 18G        |           | 105° C |         |
|     | GROUND                  | BLK        | 18G        |           | 105° C |         |
| 15  | PLUG TO PASS SIDE       |            |            |           |        |         |
|     | INDIRECT POWER          | YEL/RED    | 18G        |           | 105° C |         |
|     | GROUND                  | BLK        | 18G        |           | 105° C |         |
|     | AUDIO +                 | GRY        | 20G        |           | 105° C |         |
|     | LEFT + AUDIO            | BLU        | 20G        |           | 105° C |         |
|     | RIGHT + AUDIO           | GRN        | 20G        |           | 105° C |         |
|     | BACK LIGHT              | TAN        | 18G        |           | 105° C |         |

WALDOCH W05-20101 E  
DESCRIPTION: SYSTEM 7000 MAIN HARNESS  
MODEL: SIERRA SUMMIT LX BOUNDARY WATERS

D. J. Jhy

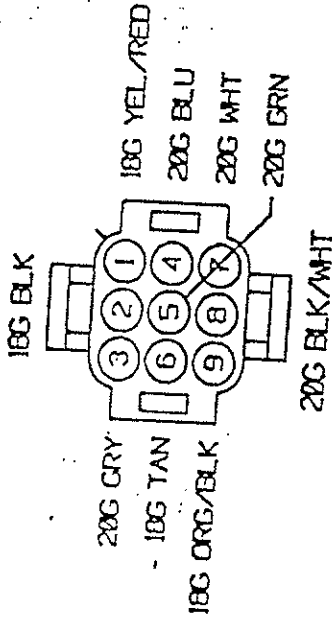
ALL WIRE J BE TEW

POINT 4A



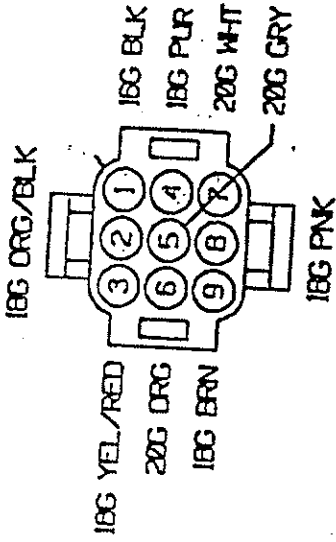
AMP #1-480706-0  
SOK #350536-1

POINT 15



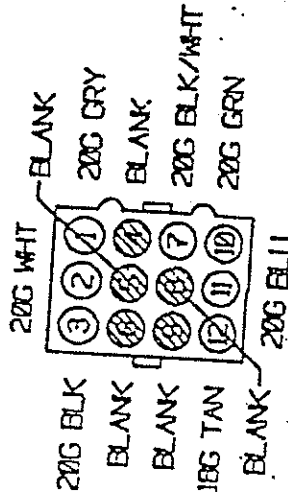
AMP #1-480706-0  
SOK #350536-1

POINT 16



AMP #1-480706-0  
SOK #350536-1

POINT 7 & 11A



MOLEX #03-06-1122  
SOK #350628-1

PREPARE APPROVE THIS DRAWING FOR FABRICATION

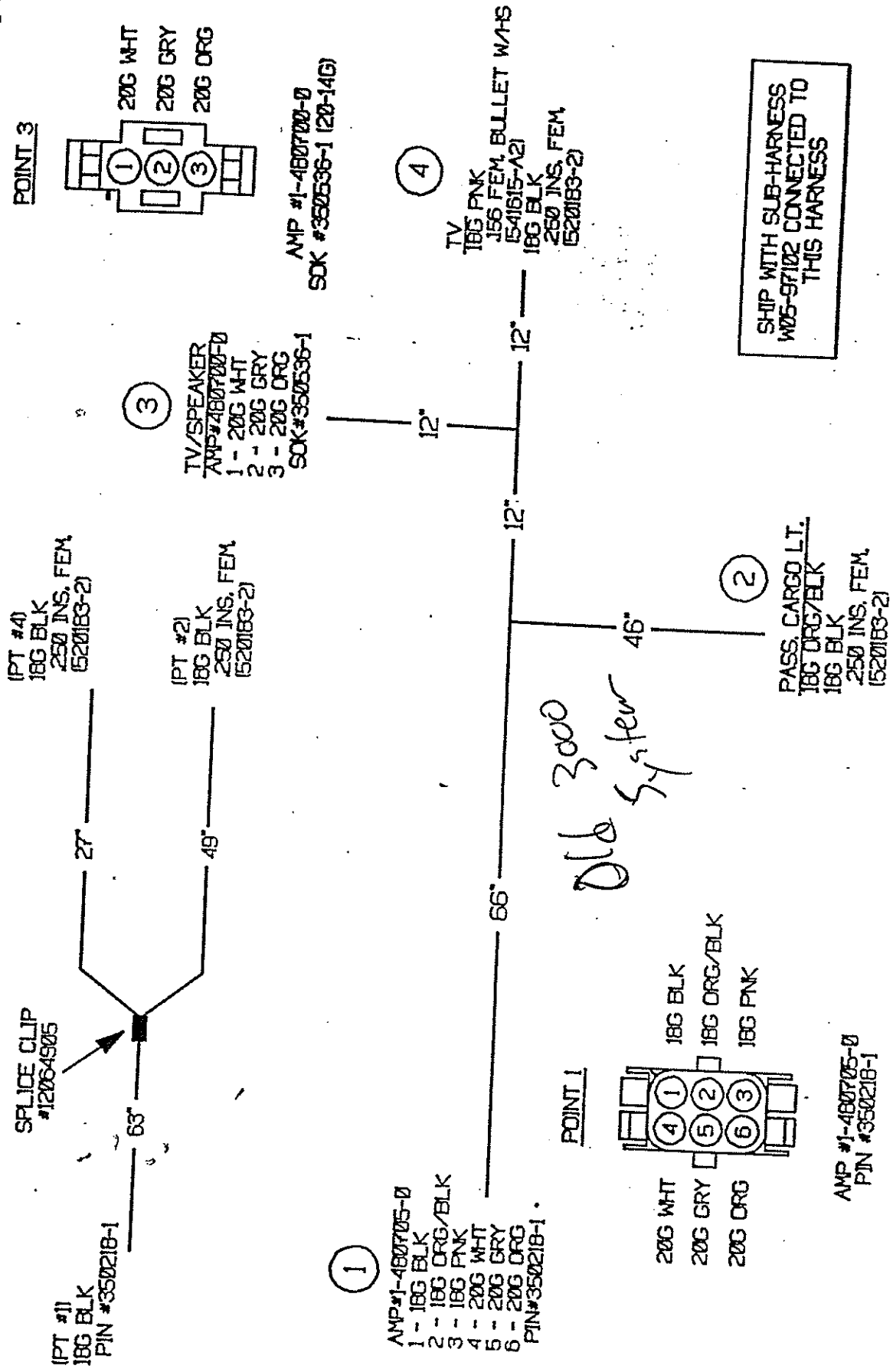
DNED. *[Signature]*

DATE: 10/7/00

|      |       |          |    |                           |                |
|------|-------|----------|----|---------------------------|----------------|
| E    | 8782  | 10-06-00 | SL | WALDOCH                   | W05-20101 E    |
| D    | 0709  | 03-31-00 | SL | DESCRIPTION: MAIN HARNESS |                |
| C    | 1301  | 04-19-00 | SL | MODEL: SYSTEM 7000        |                |
| B    | 0231  | 02-00-00 | SL | ECN #8112                 |                |
| REV. | ECN # | DATE     | BY | FRANK BY: C. [unclear]    | DATE: 11-15-00 |

ALL WIRE 3E TEW

1 OF 1



|    |   |             |
|----|---|-------------|
| SC | WALDOCH                                     | W05-97204   |
| L  | DESCRIPTION: TV & PASS. CARGO LIGHT PIGTAIL |             |
| R  | MODEL:                                      |             |
| B  | ECN #6001                                   |             |
| T  | DATE: 10-24-96                              |             |
| SP | DRAWN BY: AMY SANDS                         | CHECKED BY: |
| M  |   |             |

| REV. | ECN # | DATE | REVISIONS |
|------|-------|------|-----------|
|      |       |      |           |
|      |       |      |           |
|      |       |      |           |

HEREBY APPROVE THIS DRAWING FOR FABRICATION

SIGNED: *[Signature]*

DATE: 10/24/00