



**DANGER**

**Danger of electrical shock, burns or death.** Always remove all power sources before attempting any repair, service or diagnostic work. Power can be present from shore power, generator, inverter or battery. All power sources must be disabled and secured before performing any service.



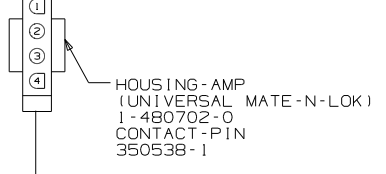
**CAUTION**

If you lack the skills, tools or equipment to perform diagnostic or repair work leave such work to an authorized Winnebago Industries dealer or other qualified shop.

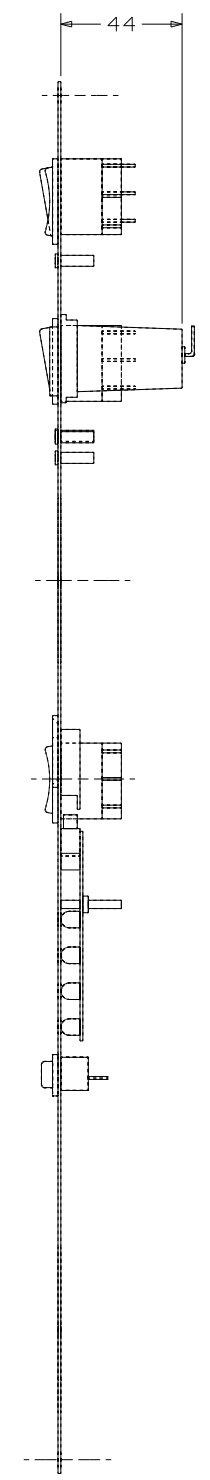
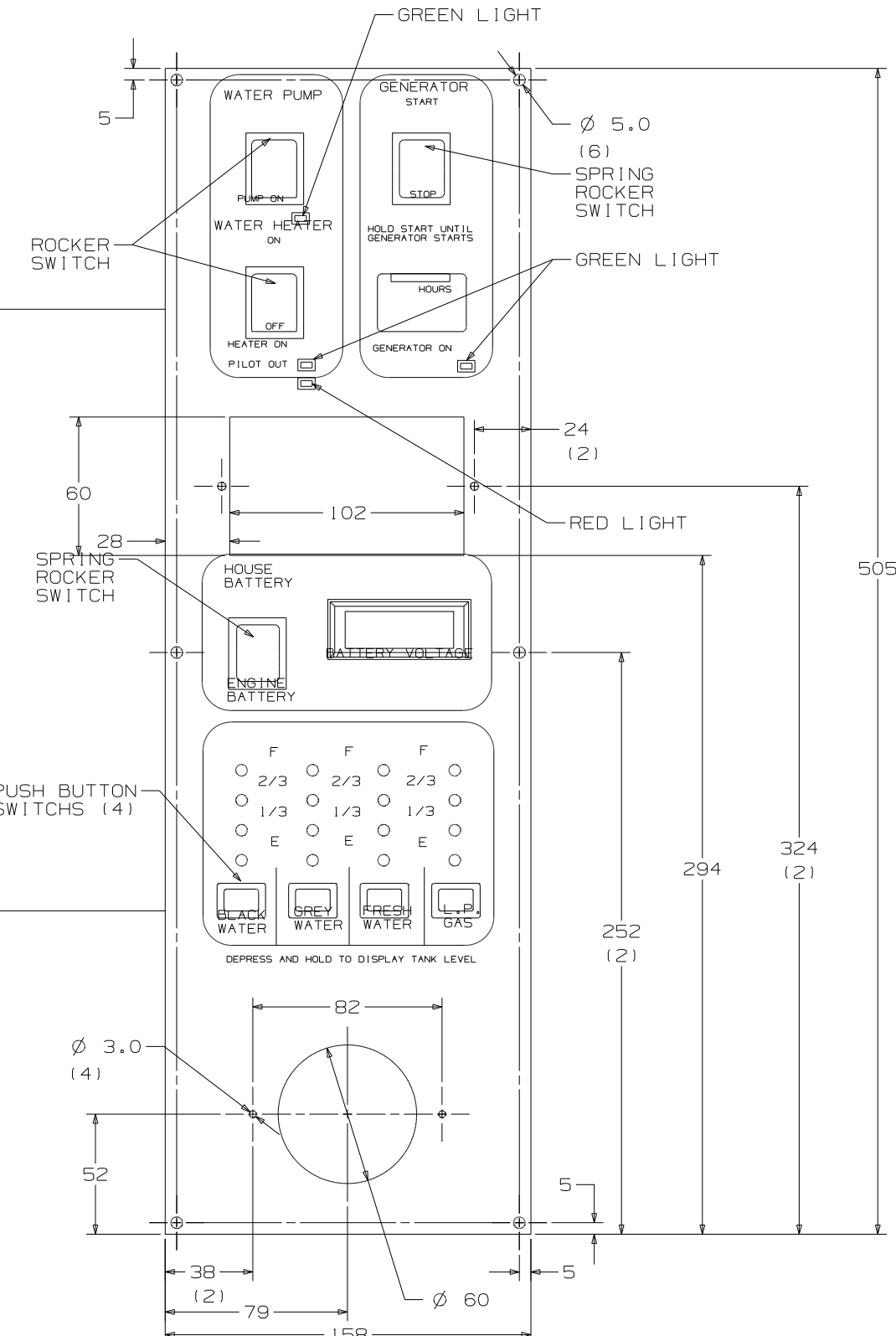
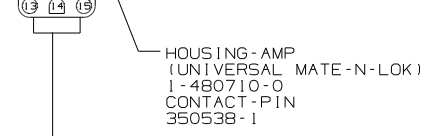
DWG NO	SHEET	DESCRIPTION
133004-01	1	2TK, DIG VOLT
133004-02	2	2T, DIG VOLT, SOLAR
133004-03	3	2TK, W/SOL & PAN
133004-04	4	2TK, W/O WAT HEAT
133004-05	5,6,7	2T, SOLAR/SENSOR

RELEASE	REV DATE	DWG NO
A		133004
REV ZONE	REVISION RECORD	DATE
		DFTR-0R16

- PIN #
- 1. 16 RED GENERATOR METER (+)
  - 2. 16 YEL GENERATOR START
  - 3. 16 GRN GENERATOR STOP
  - 4. 16 BLK GENERATOR (-)



- PIN #
- 1. 14 BLK (HOUSE +12VDC)
  - 2. 14 (CHASSIS +12VDC)
  - 3. 14 WHT (GROUND)
  - 4. 20 RED (WATER TANK)
  - 5. 20 BRN (BLACK TANK)
  - 6. 20 GRN (GRAY TANK)
  - 7. 12 RED/WHT (REMOTE WATER PUMP SWITCH)
  - 8. 12 RED (WATER PUMP SWITCH)
  - 9. 12 WHT/RED (REMOTE WATER PUMP)
  - 10. BLANK
  - 11. BLANK
  - 12. 20 WHT/GRN (LP TANK SENSOR)
  - 13. 16 YEL (WATER HEATER IGNITION)
  - 14. BLANK
  - 15. 20 WHT/BLU (WATER HEATER INDICATOR)



- NOTES:
5. SWITCH RATING SHALL BE EMBOSSED ON THE SIDE OF THE 12V SWITCHES.
  4. CUTOUT FOR PANEL TO BE 135 X 350 MIN/ 140 X 380 MAX.
  3. LETTERS ON MAIN HEADING TO BE 5MM HIGH.
  2. BLACK PANEL WITH WHITE GRAPHICS.
  1. SUGGESTED VENDOR: VENLINE.

**SEE CHART**  
FOR COLOR VARIATIONS  
OF THIS PART

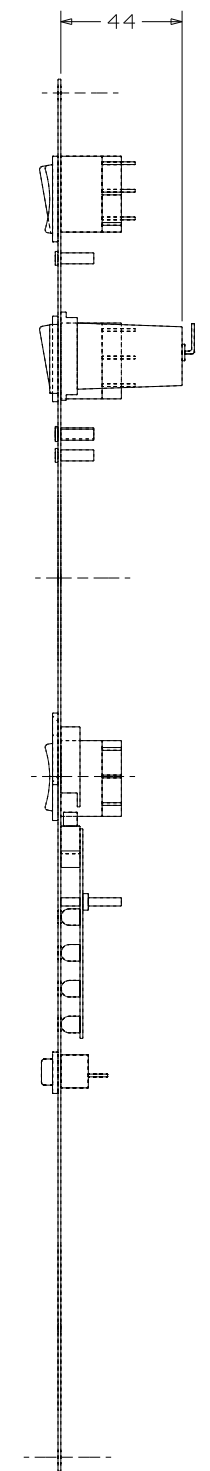
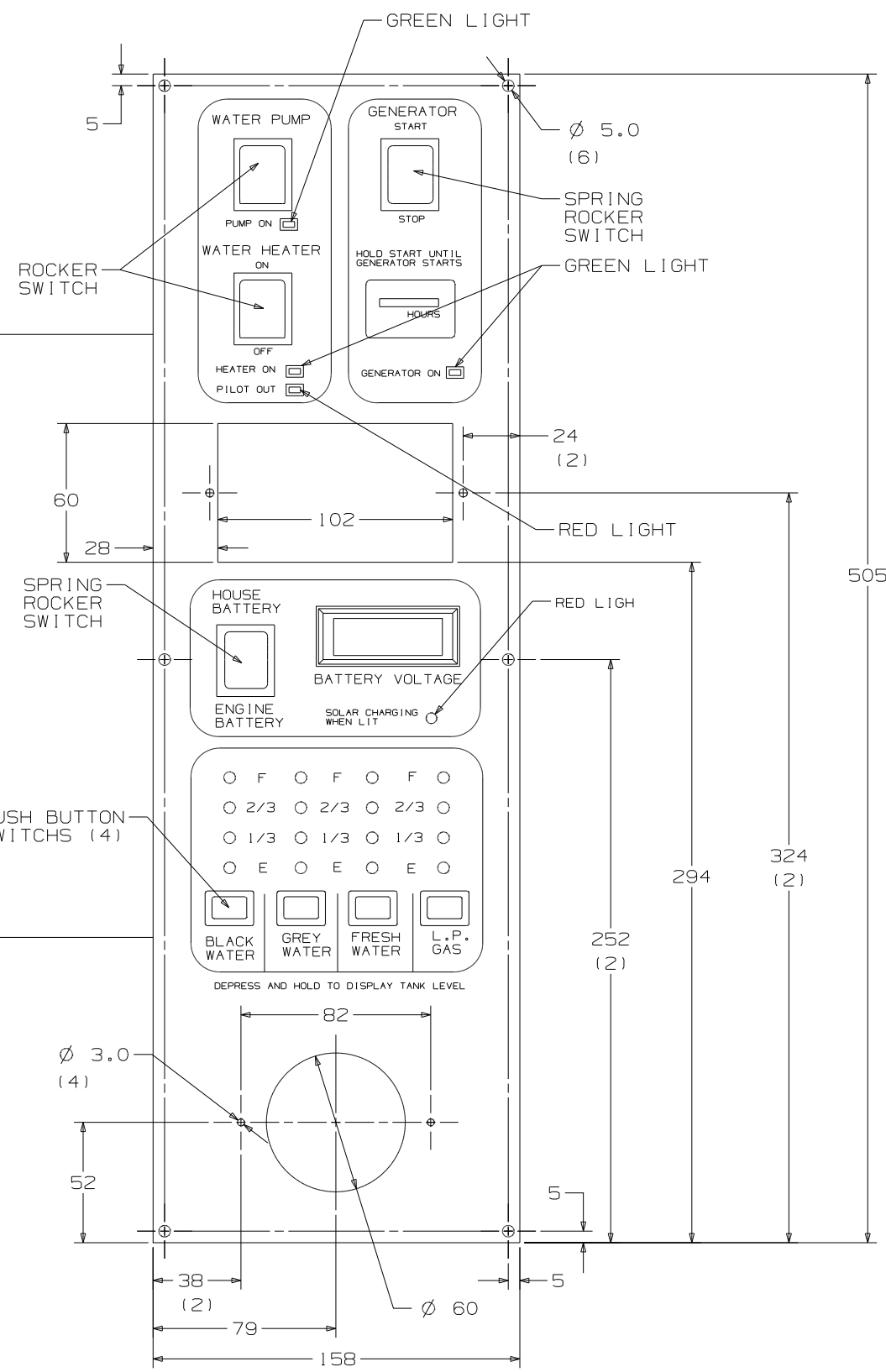
<b>WINNEBAGO</b>		COPYRIGHT 2007 WINNEBAGO INDUSTRIES, INC.	
DFTR	ORIG. DATE	ALL DIMENSIONS ARE IN MILLIMETERS	
CHKR		STANDARDS	
P.E.	FIRST USED		
M.E.			
DSNR			
UNSPECIFIED TOLERANCES ARE:		MATERIAL:	
WHOLE DIM (X)	:	:	
ONE-PLACE (X.X)	:	:	
TWO-PLACE (X.XX)	:	:	
ANGLE	:	:	
THIRD ANGLE PROJECTION			
<b>DO NOT SCALE DRAWING</b>			
TITLE: <b>PANEL-MONITOR</b>			
SHEET 1 OF 7	PART NO	133004	
REF:	1 6/5/2007		

PIN #  
 1. 16 RED GENERATOR METER (+)  
 2. 16 YEL GENERATOR START  
 3. 16 GRN GENERATOR STOP  
 4. 16 BLK GENERATOR (-)

HOUSING-AMP  
 (UNIVERSAL MATE-N-LOK)  
 1-480702-0  
 CONTACT-PIN  
 350538-1

PIN #  
 1. 14 BLK (HOUSE +12VDC)  
 2. 14 (CHASSIS +12VDC)  
 3. 14 WHT (GROUND)  
 4. 20 RED (WATER TANK)  
 5. 20 BRN (BLACK TANK)  
 6. 20 GRN (GRAY TANK)  
 7. 12 RED/WHT (REMOTE WATER PUMP SWITCH)  
 8. 12 RED (WATER PUMP SWITCH)  
 9. 12 WHT/RED (REMOTE WATER PUMP)  
 10. BLANK  
 11. BLANK  
 12. 20 WHT/GRN (LP TANK SENSOR)  
 13. 16 YEL (WATER HEATER IGNITION)  
 14. BLANK  
 15. 20 WHT/BLU (WATER HEATER INDICATOR)

HOUSING-AMP  
 (UNIVERSAL MATE-N-LOK)  
 1-480710-0  
 CONTACT-PIN  
 350538-1



FIRST USED	STANDARDS	
TITLE	DO NOT SCALE DRAWING	
SHEET 2	PART NO	133004
	REV	4
1 6/5/2007		

- PIN #
- 1. 16 RED GENERATOR METER (+)
  - 2. 16 YEL GENERATOR START
  - 3. 16 BRN GENERATOR STOP
  - 4. 16 BLK GENERATOR (-)
- HOUSING-AMP  
(UNIVERSAL MATE-N-LOK)  
1-480702-0  
CONTACT-PIN  
350538-1

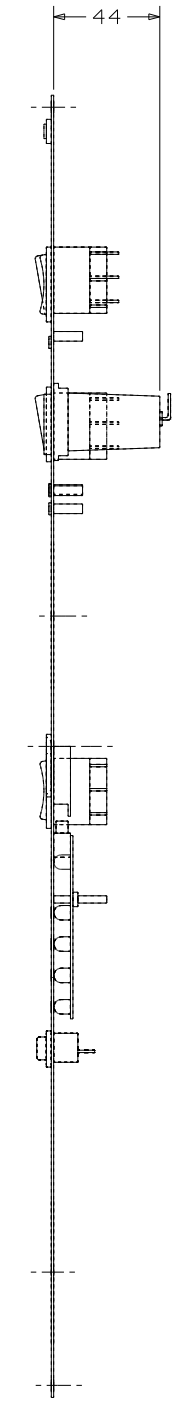
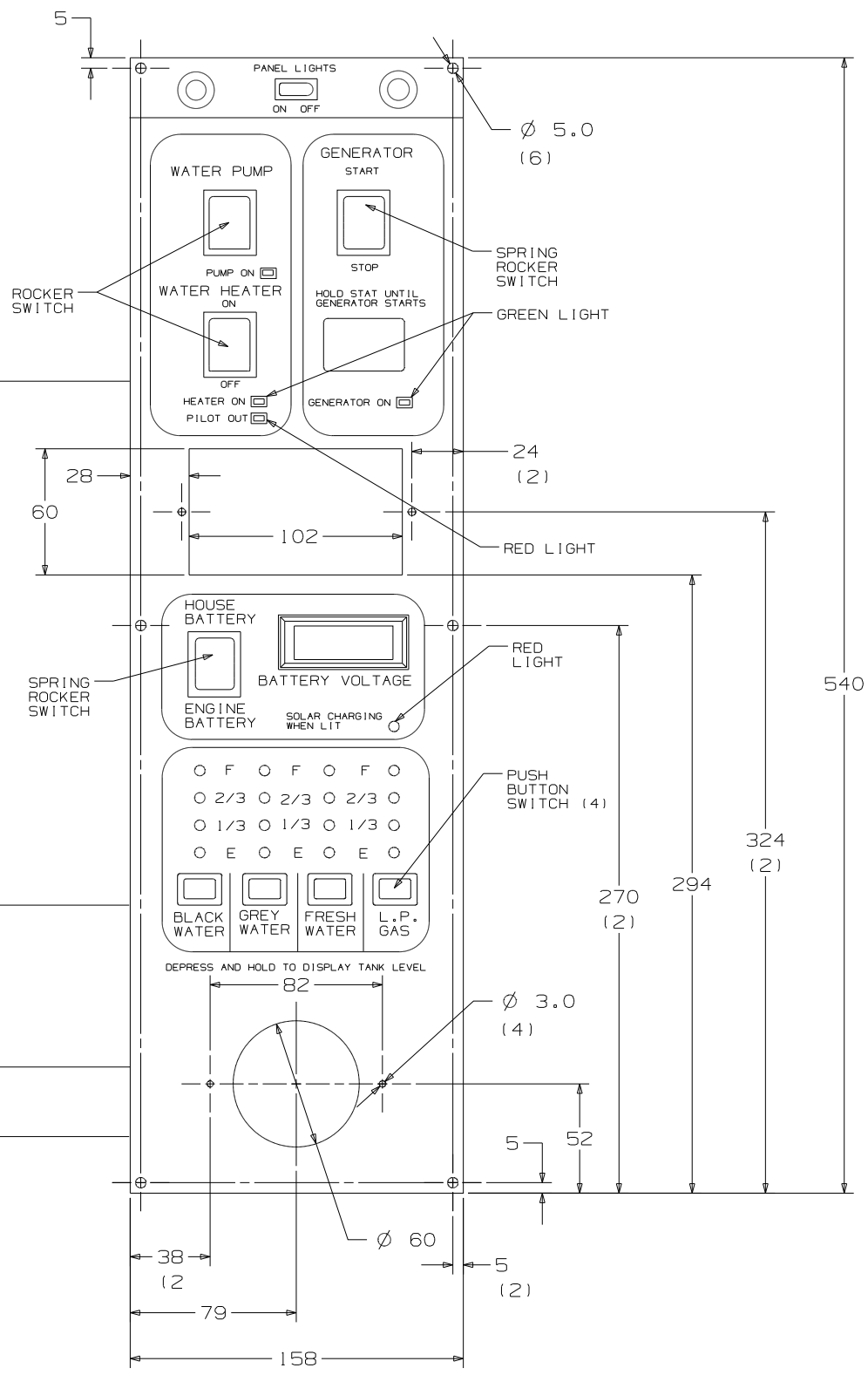
- PIN #
- 1. 14 BLK (HOUSE +12VDC)
  - 2. 14 (CHASSIS +12VDC)
  - 3. 14 WHT (GROUND)
  - 4. 20 RED (WATER TANK)
  - 5. 20 BRN (BLACK TANK)
  - 6. 20 GRN (GRAY TANK)
  - 7. 12 RED/WHT (REMOTE WATER PUMP SWITCH)
  - 8. 12 RED (WATER PUMP SWITCH)
  - 9. 12 WHT/RED (REMOTE WATER PUMP)
  - 10. BLANK
  - 11. BLANK
  - 12. 20 WHT/GRN (LP TANK SENSOR)
  - 13. 16 YEL (WATER HEATER IGNITION)
  - 14. BLANK
  - 15. 20 WHT/BLU (WATER HEATER INDICATOR)
- HOUSING-AMP  
(UNIVERSAL MATE-N-LOK)  
1-480710-0  
CONTACT-PIN  
350538-1

- HOUSING-AMP  
(UNIVERSAL MATE-N-LOK)  
1-480698-0  
PIN  
350538-0

- PIN #
- 1. 16 BLK
  - 2. 16 RED

- HOUSING-AMP  
(UNIVERSAL MATE-N-LOK)  
1-480699-0  
PIN  
350537-0

- PIN #
- 1. 16 GRN
  - 2. 16 RED



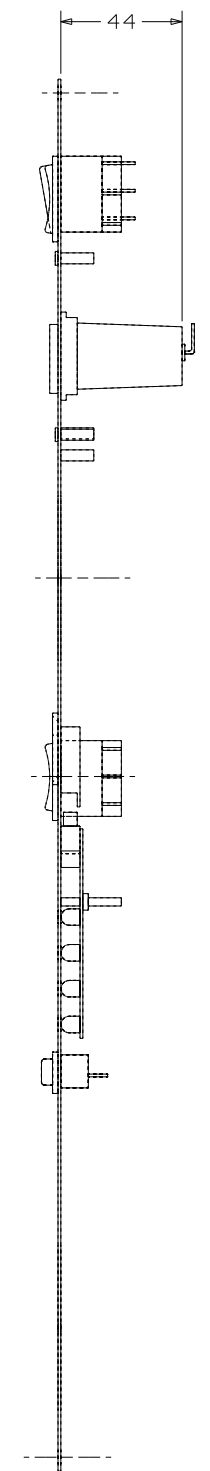
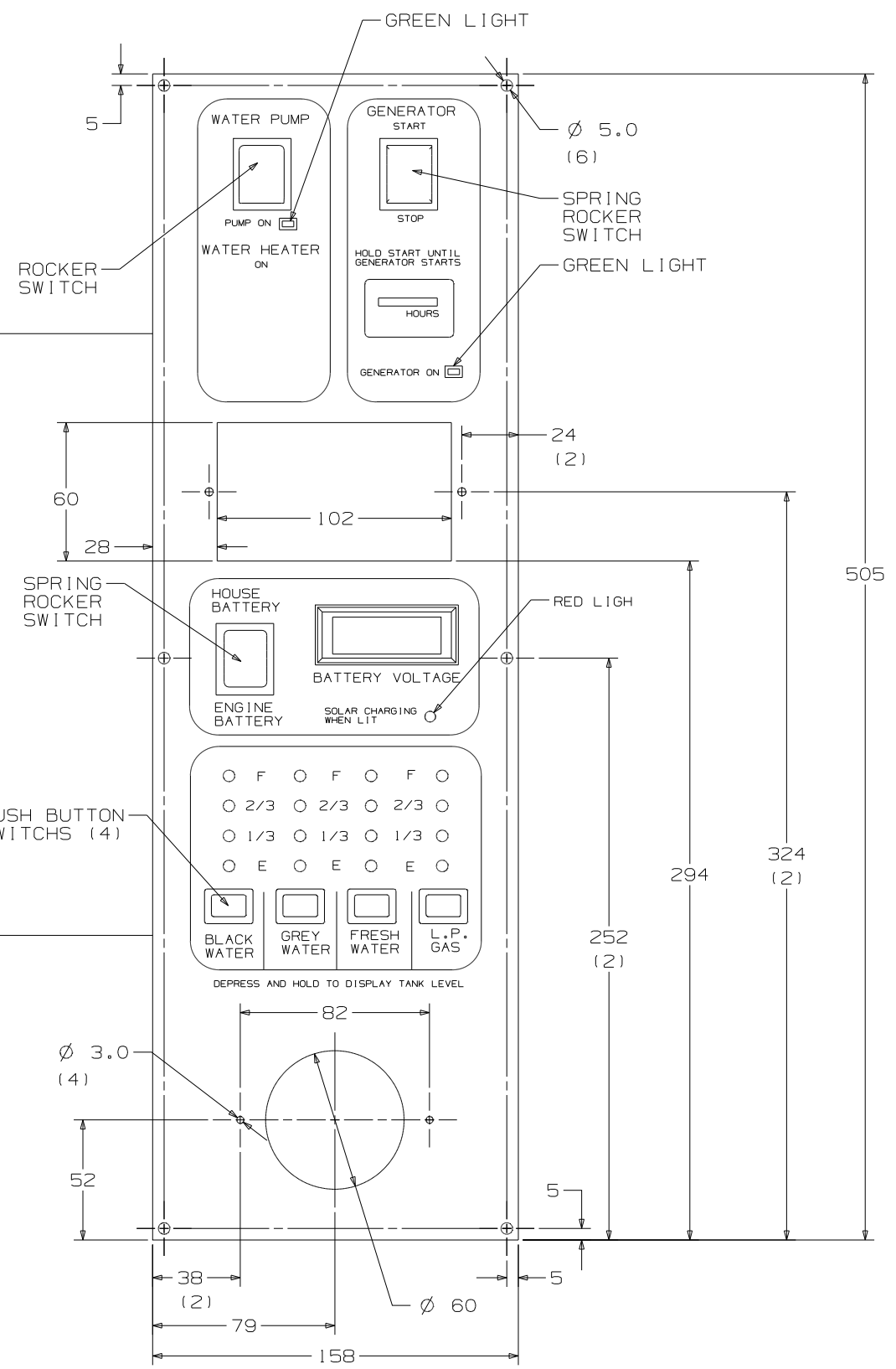
FIRST USED	STANDARD
TITLE:	DO NOT SCALE DRAWING
TITLE:	PANEL-MONITOR
SHEET 3	PART NO 133004
	REV 1 6/5/2007

- PIN #
- 1. 16 RED GENERATOR METER (+)
  - 2. 16 YEL GENERATOR START
  - 3. 16 GRN GENERATOR STOP
  - 4. 16 BLK GENERATOR (-)

HOUSING-AMP  
(UNIVERSAL MATE-N-LOK)  
1-480702-0  
CONTACT-PIN  
350538-1

- PIN #
- 1. 14 BLK (HOUSE +12VDC)
  - 2. 14 (CHASSIS +12VDC)
  - 3. 14 WHT (GROUND)
  - 4. 20 RED (WATER TANK)
  - 5. 20 BRN (BLACK TANK)
  - 6. 20 GRY (GRAY TANK)
  - 7. 12 RED/WHT (REMOTE WATER PUMP SWITCH)
  - 8. 12 RED (WATER PUMP SWITCH)
  - 9. 12 WHT/RED (REMOTE WATER PUMP)
  - 10. BLANK
  - 11. BLANK
  - 12. 20 WHT/GRN (LP TANK SENSOR)
  - 13. BLANK
  - 14. BLANK
  - 15. BLANK

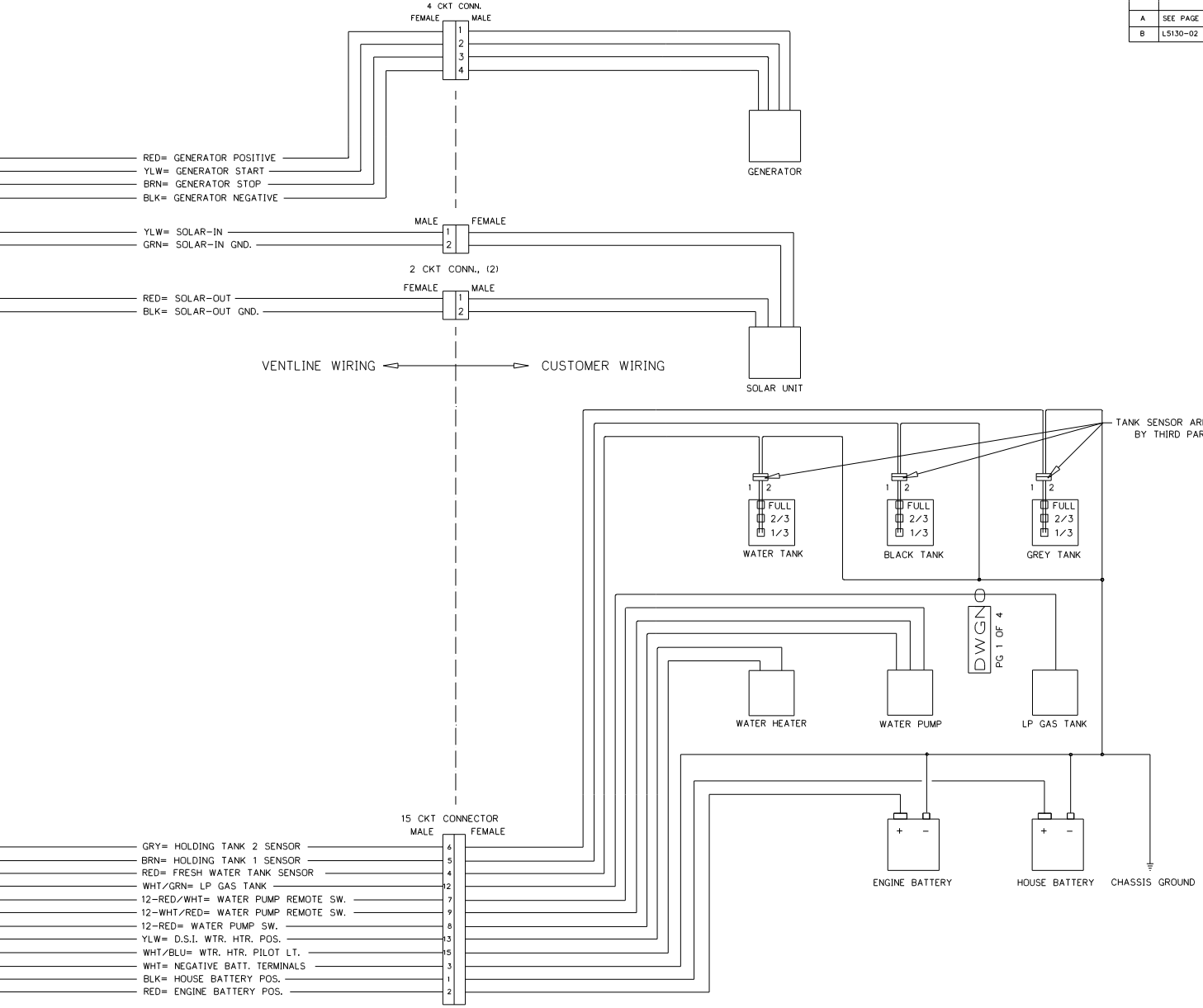
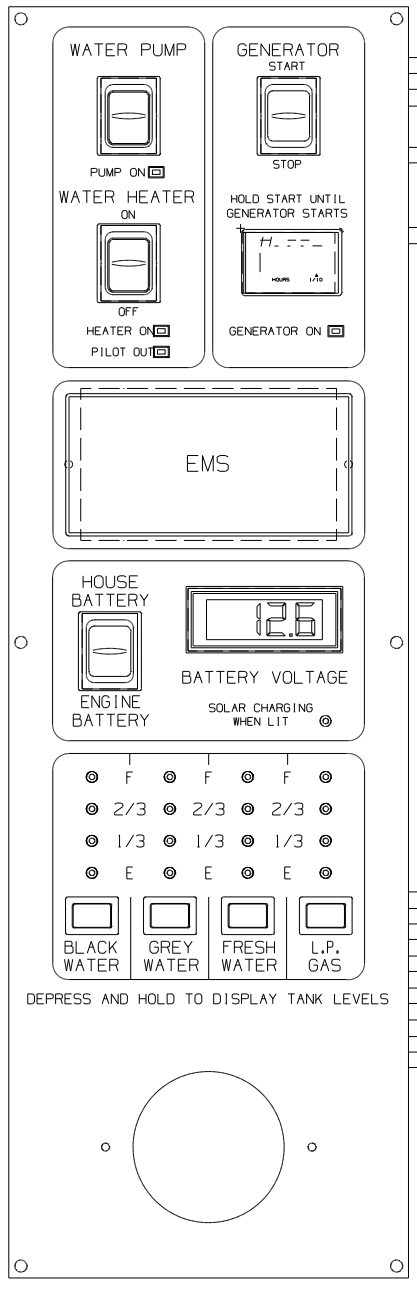
HOUSING-AMP  
(UNIVERSAL MATE-N-LOK)  
1-480710-0  
CONTACT-PIN  
350538-1



FIRST USED	STANDARDS
TITLE	DO NOT SCALE DRAWING
SHEET 4	PANEL - MONITOR
PART NO	133004
REV	1 6/5/2007

CONFIDENTIAL  
THIS DOCUMENT, INCLUDING ALL INFORMATION CONTAINED HEREIN IS THE EXCLUSIVE AND CONFIDENTIAL PROPERTY OF VENTLINE DIVISION OF TOMKINS INDUSTRIES, INC. THE DOCUMENT AND INFORMATION ARE NOT TO BE COPIED, REPRODUCED OR DELIVERED TO OTHERS, IN WHOLE OR IN PART, WITHOUT THE EXPRESS WRITTEN PERMISSION OF VENTLINE. THE DOCUMENT IS TO BE RETURNED PROMPTLY TO VENTLINE AFTER HAVING SERVED THE PURPOSE FOR WHICH DELIVERED.  
©1995 VENTLINE DIVISION, TOMKINS INDUSTRIES, INC.  
All Rights Reserved, including the right to reproduce this document or any part thereof.

LTR.	DESCRIPTION	DATE	CHK. BY	APP. BY
A	SEE PAGE 3 ECN 16381	ECN 16261	4-6-04	R.L. R.L.
B	L5130-02 WAS L5113-04	ECN 16394	4-21-04	R.L. R.L.



- NOTES:
- UNLESS OTHERWISE SPECIFIED ALL WIRE IS 22 AWG.
  - REF. DWG.'S:  
HARNESS, INTERNAL & SWITCH= L7785-01, -02  
HARNESS, GEN. INTERNAL & SWITCH= L7786-00  
HARNESS, SOLAR LIGHT= L7722-00  
PCB= L5130-02  
HARNESS, TEST= L8012-00  
TEST BOX= L8504-00
  - ALL PIGTAILS TO BE SUPPLIED BY CUSTOMER.
  - BEFORE PACKING, SECURE HARNESS WITH V00169-00 TIE WRAP ON RIGHT SIDE POST.

PART NO.	REQ'D	MATERIAL	DESCRIPTION	DWG SIZE
BLANK		BLANK	WGT	USED
USED		USED	ON	USED
USED		USED	ON	USED
USED		USED	ON	USED

PHILIPS IND. INC.  
VENTLINE DIVISION  
BRISTOL, INDIANA 46507

DWGNAME  
DWGNAME

SCALE: SCALE  
DWG. NO. PG 1 OF 4  
DWGNO

ENGLISH (TOLERANCE UNLESS SPECIFIED)  
0 PL.:.040  
2 PL.:.010  
1 PL.:.020  
3 PL.:.005  
FRACTIONS 1/64

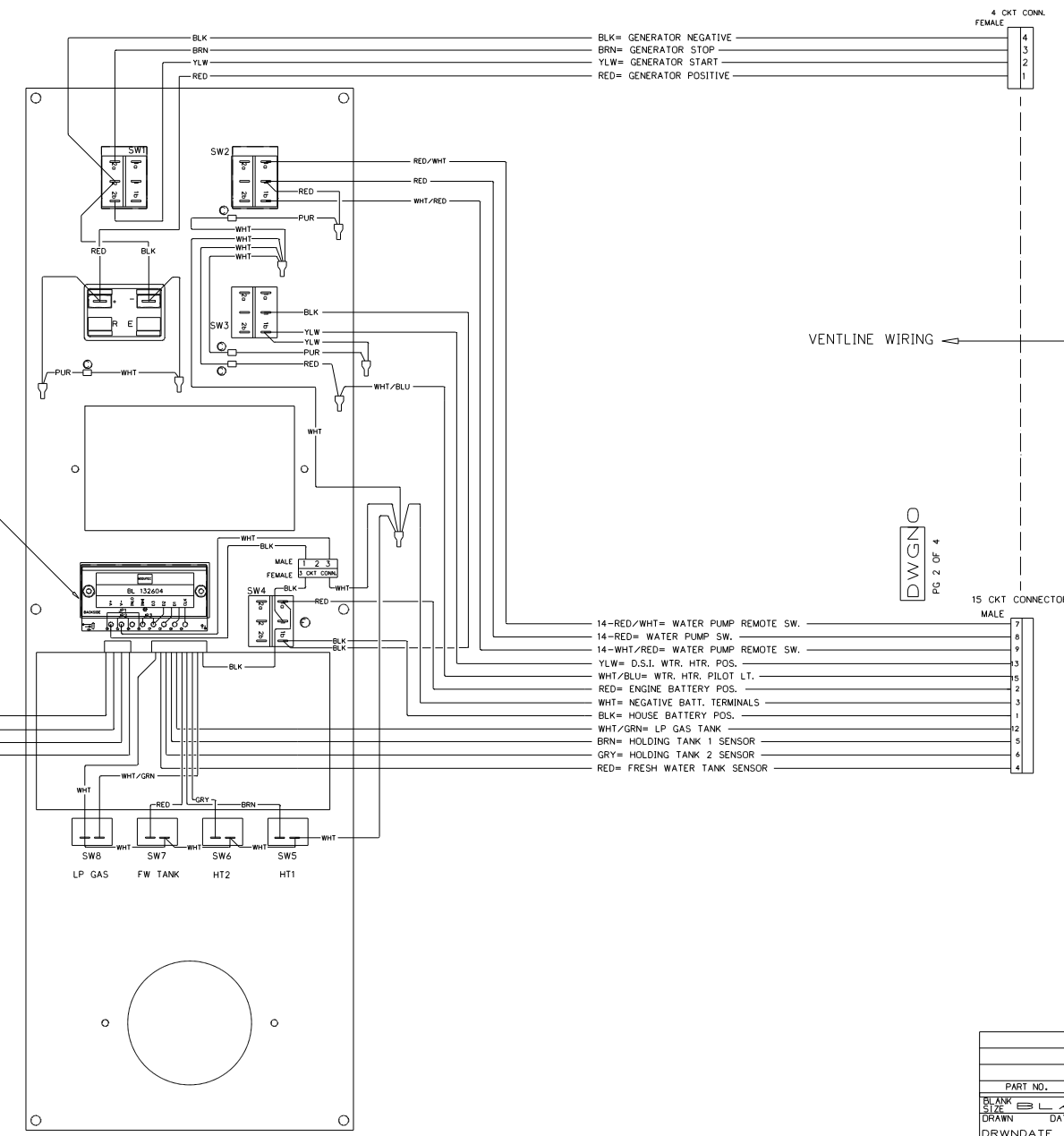
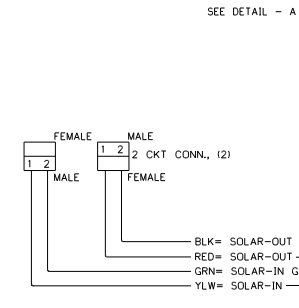
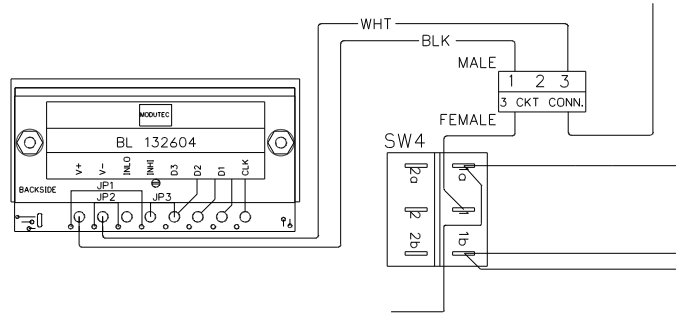
FIRST USED	STANDARD
TITLE:	DO NOT SCALE DRAWING
TITLE:	PANEL - MONITOR
SHEET 5	PART NO 133004



CONFIDENTIAL  
 THIS DOCUMENT, INCLUDING ALL INFORMATION CONTAINED HEREIN, IS THE EXCLUSIVE AND CONFIDENTIAL PROPERTY OF VENTLINE DIVISION OF TOMKINS INDUSTRIES, INC. THE DOCUMENT AND INFORMATION HEREIN IS NOT TO BE COPIED, REPRODUCED OR DELIVERED TO OTHERS, IN WHOLE OR IN PART, WITHOUT THE EXPRESS WRITTEN PERMISSION OF VENTLINE. THE DOCUMENT IS TO BE RETURNED PROMPTLY TO VENTLINE AFTER HAVING SERVED THE PURPOSE FOR WHICH DELIVERED.  
 ©1995 VENTLINE DIVISION, TOMKINS INDUSTRIES, INC.  
 All Rights Reserved, including the right to reproduce this document in any part thereof.

LTR.	DESCRIPTION	DATE	CHK'D	APP'D
A	SEE PAGE 3 EON 16381	4-6-04	RUL	RUL
B	L5130-02 WAS L5113-04 EON 16394	4-21-04	RUL	RUL

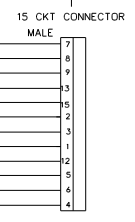
DETAIL - A



- 14-RED/WHT= WATER PUMP REMOTE SW.
- 14-RED= WATER PUMP SW.
- 14-WHT/RED= WATER PUMP REMOTE SW.
- YLW= D.S.I. WTR. HTR. POS.
- WHT/BLU= WTR. HTR. PILOT LT.
- RED= ENGINE BATTERY POS.
- WHT= NEGATIVE BATT. TERMINALS
- BLK= HOUSE BATTERY POS.
- WHT/GRN= LP GAS TANK
- BRN= HOLDING TANK 1 SENSOR
- GRY= HOLDING TANK 2 SENSOR
- RED= FRESH WATER TANK SENSOR

- NOTES:
- UNLESS OTHERWISE SPECIFIED ALL WIRE IS 22 AWG.
  - REF. DWG.'S:  
 HARNESS, INTERNAL & SWITCH= L7785-01, -02  
 HARNESS, GEN. INTERNAL & SWITCH= L7786-00  
 HARNESS, SOLAR LIGHT= L7722-00  
 PCB= L5130-02  
 HARNESS, TEST= L8012-00  
 TEST BOX= L8506-00
  - ALL PIGTAILS TO BE SUPPLIED BY CUSTOMER.
  - BEFORE PACKING, SECURE HARNESS WITH VDO167-00 TIE WRAP ON RIGHT SIDE POST.

DWG NO  
 PG 2 OF 4



ENGLISH (TOLERANCE UNLESS SPECIFIED)  
 0 PL.: .040 1 PL.: .020  
 2 PL.: .010 3 PL.: .005  
 FRACTIONS: 1/64

PART NO.	REV'D	MATERIAL	DESCRIPTION	DWG SIZE
BLANK SIZE		BLANK	USED ON	USED ON
DRAWN	DATE	MATERIAL	DATE	DATE
DRWN DATE		MATL	MATL	
CHECKED	DATE			
CHECKED DATE				
APPV'D	DATE			

FIRST USED	STANDARD
TITLE	DO NOT SCALE DRAWING
SHEET 7	PART NO 133004
	REV