



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.

WITHOUT HEAT PUMP

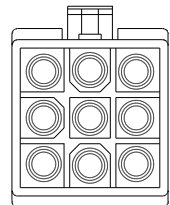
VENDOR SUPPLIED HARNESS

WINNEBAGO SUPPLIED HARNESS

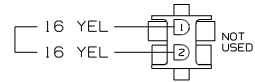
THERMOSTAT

- 1-GRY (FREEZE SWITCH & EXCLUSION RELAY)
- 2-RED (+12VDC)
- 3-GRY (FREEZE SWITCH & EXCLUSION RELAY)
- 4-BLU (-12VDC)
- 5-YEL (COOLING COMPRESSOR #1)
- 6-ORG (COOLING COMPRESSOR #2)
- 7-BLK (FAN HIGH)
- 8-WHT (HEAT PUMP)
- 9-PUR (FAN LOW)

CONNECTS TO AIR CONDITIONER

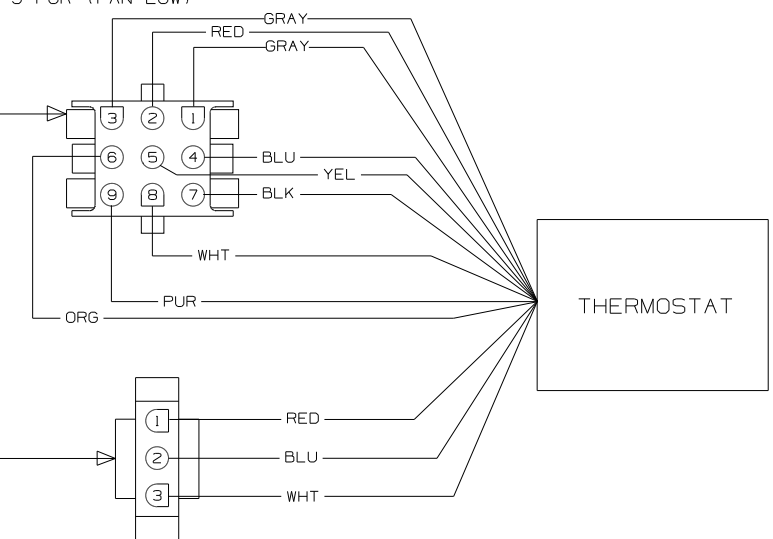
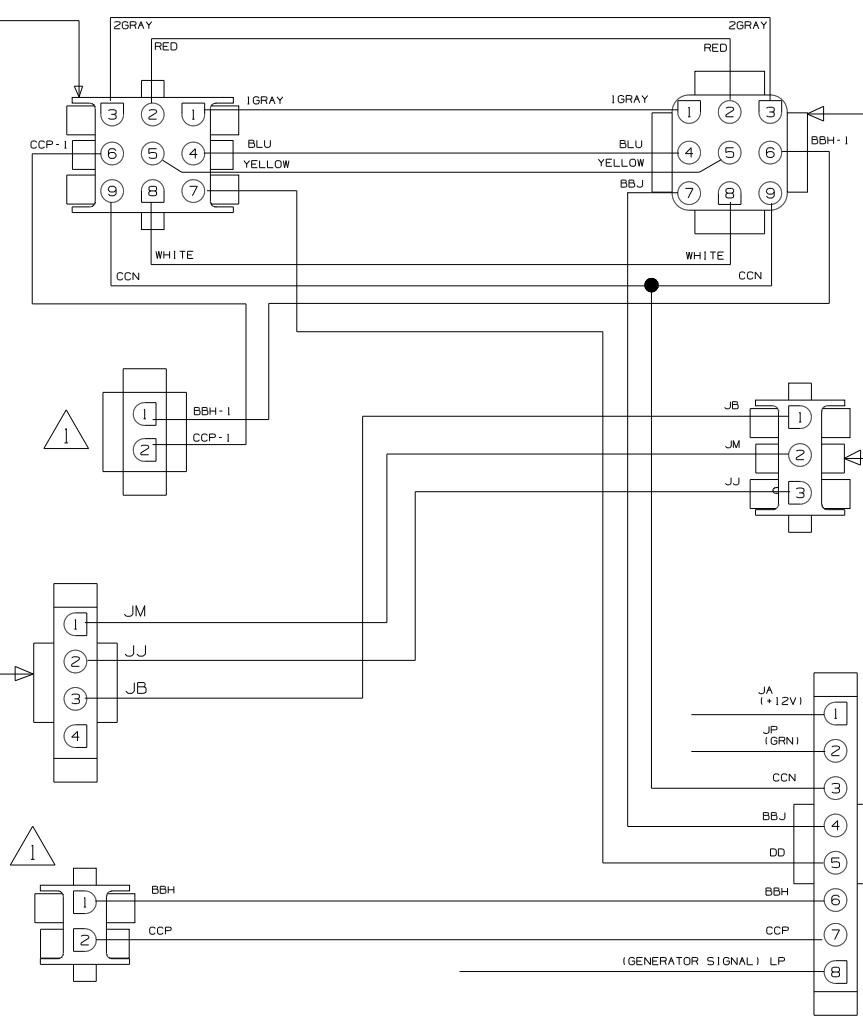


- 1 - GREEN
- 2 - RED
- 3 - BLUE/BLACK
- 4 - BLUE
- 5 - GREEN/BLACK
- 6 - ORANGE
- 7 - BLACK
- 8 - WHITE
- 9 - BLACK/WHITE



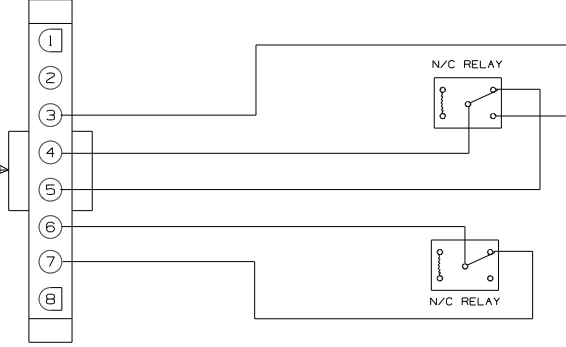
- 1 - YEL (12VDC NEGATIVE)
- 2 - BLU (FROM T-STAT)
- 3 - RED (12VDC POSITIVE)
- 4 - BLU

FURNACE



- 1-RED (12VDC POSITIVE)
- 2-BLU (12VDC NEGATIVE)
- 3-WHT (GAS FURNACE)

LOAD SHEDDER BOARD



WIRING DIAGRAM-THERMOSTAT,EXT
(WIRE ASM 135131
WITHOUT HEAT PUMP)

1. CONNECT HOUSING TOGETHER.

NOTES:

WINNEBAGO		COPYRIGHT 2009 WINNEBAGO INDUSTRIES, INC.	
DFT	ORIG. DATE	ALL DIMENSIONS ARE IN MILLIMETERS	
CHKR		FIRST USED	
P.E.		03 SERIES	
M.E.		UNSPECIFIED TOLERANCES ARE:	
DSNR		MATERIAL:	
		WHOLE DIM (X)	:
		ONE-PLACE (X.X)	:
		TWO-PLACE (X.XX)	:
		ANGLE	:
		THIRD ANGLE PROJECTION	⊕
DO NOT SCALE DRAWING			
TITLE: WIRING DIAGRAM-AC/HEAT/EMS			
SHEET 1 OF 2	PART NO	138913	

WITH HEAT PUMP

VENDOR SUPPLIED HARNESS

WINNEBAGO SUPPLIED HARNESS

THERMOSTAT

- 1-GRY (FREEZE SWITCH & EXCLUSION RELAY)
- 2-RED (+12VDC)
- 3-GRY (FREEZE SWITCH & EXCLUSION RELAY)
- 4-BLU (-12VDC)
- 5-YEL (COOLING COMPRESSOR #1)
- 6-ORG (COOLING COMPRESSOR #2)
- 7-BLK (FAN HIGH)
- 8-WHT (HEAT PUMP)
- 9-PUR (FAN LOW)

ORG WIRE IS REMOVED FORM TERMINAL AND CONNECTED TO ORG/BLK WIRE THEN WHT/BLK WIRE IS CONNECTED TO THE TERMINAL WHERE THE ORG WIRE WAS.

REMOVE ORG WIRE AND CONNECT WHITE/BLACK WIRE

CONNECTS TO AIR CONDITIONER

- 1-GREEN
- 2-RED
- 3-BLUE/BLACK
- 4-BLUE
- 5-GREEN/BLACK
- 6-ORANGE
- 7-BLACK
- 8-WHITE
- 9-BLACK/WHITE

- 1-RED (12VDC POSITIVE)
- 2-BLU (12VDC NEGATIVE)
- 3-WHT (GAS FURNACE)

- 1-YEL (12VDC NEGATIVE)
- 2-BLU (FROM T-STAT)
- 3-RED (12VDC POSITIVE)
- 4-BLU

FURNACE

LOAD SHEDDER BOARD

WIRING DIAGRAM-THERMOSTAT,EXT
(WIRE ASM 135131
WITH HEAT PUMP)

1. RLC FOR 2001 THIS RESET WAS DELETED.

NOTES:

FIRST USED	03 SERIES
DO NOT SCALE DRAWING	
TITLE:	WIRING DIAGRAM-AC/HEAT/EMS
SHEET 2	PART NO 138913
REV	