



- TS Transfer Switch
- SC Slideout Controller
- AC Air Cond. 120V
- FUSE 12V Fuse Block
- INV 12 Volt Inverter
- IC 12 Volt Inverter/charger
- + - 12V Storage Battery
- BB Breaker Box
- Converter/12V Fuse Block

- # 12V light
- FURN Furnace
- T Thermostat
- TV TV Jack
- 12V 12V Outlet
- V 12V Vent
- R Range Vent
- REF Refrigerator
- GEN Generator
- P Water Pump
- 12V 12V Power fan
- # 12V Cell Fan
- WH Water Heater
- AWN Electric Awning

NOTES

1. 12 VOLT WIRE: GXL BELOW FLOOR, GXL OR TEW ABOVE FLOOR
2. 110 WIRE: COPPER TYPE NM SHEATH
3. AIR CONDITIONER BREAKER IS "HACR" TYPE
4. POWER CORD IS 6/3 TYPE STW WITH MINIMUM 25' EXPOSED.
5. GROUNDED RECEPTS USED & SYSTEM BONDED TO CHASSIS
6. DISTRIBUTION PANELBOARD IS CLASS CTL ENCLOSED TYPE 1 50 AMP 120/240 VOLT SINGLE PHASE
7. 55 AMP POWER CONVERTER
8. NEUTRAL CONDUCTOR AND GROUNDS ARE ISOLATED IN PANELBOARD

120 VOLT CIRCUITS

CIRCUIT	GA.	VOLTS	AMPS	POWER TO
1 (A,B)	6	120VAC	50 AMP	MAIN POLE 1
2 (A,B)	6	120VAC	50 AMP	MAIN POLE 2
3 A	12	120VAC	20 AMP	FRONT AC
B	14	120VAC	15 AMP	MICROWAVE
4 A	12	120VAC	20 AMP	REAR A/C
B	14	120VAC	15 AMP	GFCI RECEPTS
5 (A,B)	14	120VAC	15 AMP	WATER HEATER
6 A	14	120VAC	15 AMP	CONVERTER
B	14	120VAC	15 AMP	WASHER
7 A	14	120VAC	15 AMP	DRYER
B	14	120VAC	15 AMP	FIREPLACE
8 A	14	120VAC	15 AMP	TV RECEPTS (ON INVERTER)
B	14	120VAC	15 AMP	GENERAL RECEPTS

12 VOLT AT CONVERTER

NO	GA.	COLOR	ATC FUSE	POWER TO
A	12	BLACK	15 AMP	FRONT CEILING LTS
B	14	BLUE	15 AMP	BEDROOM
C	14	GRAY	15 AMP	LEFT SIDE
D	14	PINK	15 A BRKR	RIGHT SIDE
E	14	VIOLET	15 AMP	APPLIANCES
F	-	-	-	-
G	14	GRY/BLK	15 AMP	BEDROOM RADIO
H	18	ORANGE	5 AMP	LP DET
J	14/12	RED	15 AMP	MONITOR PNL/ WTR PUMP
K	14	YELLOW	15 AMP	VANITY LIGHTING
L	18	TAN	5 AMP	SLIDE SWITCH
M	12	GREEN	15 AMP	AWNING
N	14	GREEN	15 AMP	CARGO LIGHTS
P	14	GRN/BLK	15 AMP	CARGO LIGHTS
R	-	-	-	-
S	10	RED	30 AMP	SLIDE MOTOR POWER
T	-	-	-	-

12 VOLT BREAKER

NO	GA.	COLOR	AMPS	POWER TO	TYPE
AA	6	RED	50	CONVERTER	III
CC	4	RED	100	HYDRAULIC JACKS	III
DD	2/0	RED	250	INVERTER	T-FUSE

APPLIANCE / GENERATOR SPECS

APPLIANCE	VOLTS	AMPS
CONVECTION MICROWAVE	120	12.5
AIR CONDITIONER	120	10.2
REFRIGERATOR	120	7.2
CONVERTER	120	7.5
5.5 ONAN	120	45.8

12 VOLT FUSE AT BATTERY

NO	GA.	COLOR	ATC FUSE	POWER TO
DD	14	YELLOW	15 AMP	DASH RADIO

REV	DESCRIPTION	DATE	BY	ECN
-	INITIAL RELEASE 2016 (PREVIOUS PRINT TEE0650)	12/23/14	SR	11009

ALL CONNECTORS SHOWN ARE LOAD VIEW UNLESS OTHERWISE NOTED.
 ALL WIRE MUST BE 125°C UNLESS OTHERWISE NOTED.
 LOOM AS NOTED BY _____
 LOOM SHOULD HAVE RATING OF 125°C MINIMUM.
 TOLERANCES:
 ± 1" w/36"
 ± 2" > 36"
 REFERENCE TEE1313.XLS FOR CUTLIST

SPECIAL NOTES:

THOR MOTOR COACH

DRAWN BY SR SHEET 1 OF 1 DATE 12/23/14

DESCRIPTION 110/12V LAYOUT

MODEL 37KT CHALLENGER

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 DRAWING NUMBER TEE1313
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