

[illegible]


REV	DESCRIPTION	DATE	APPROVED
00	SOURCE COMPOSITE = 149482.32		
A0	INITIAL RELEASE	06-15-2000	B. HOLLT
B0	AS SHIPPED	06-08-2000	
C0	CUSTOMER REQUEST	06-18-2001	R. I.
D0	AS INSTALLED	11-26-2001	M. C. C.

ACTUAL WIRE COUNTS			△
RUN	QUANTITY	SIZE	CONDUCTOR TYPE
AF	4	16GA	SINGLE CONDUCTOR
BC1	4	12GA	SINGLE CONDUCTOR
BC3	2	6GA	SINGLE CONDUCTOR
BC3	7	12GA	SINGLE CONDUCTOR
CC1	3	18GA	2 CONDUCTOR SHIELDED
CC1	1	16GA	3 CONDUCTOR SHIELDED
CC1	2	16GA	SINGLE CONDUCTOR
CC3	2	8GA	SINGLE CONDUCTOR
CC4	1	16GA	2 CONDUCTOR SHIELDED
CC4	7	20GA	2 CONDUCTOR SHIELDED
CC4	7	16GA	SINGLE CONDUCTOR
CT1	2	12GA	SINGLE CONDUCTOR
FC1	4	12GA	SINGLE CONDUCTOR
HC1	2	18GA	COAX
HC1	1	18GA	2 CONDUCTOR SHIELDED
HC1	8	12GA	SINGLE CONDUCTOR
HC1	1	16GA	SINGLE CONDUCTOR
HC1	2	20GA	SINGLE CONDUCTOR
MC2	7	2GA	SINGLE CONDUCTOR
MC2	2	10GA	SINGLE CONDUCTOR
MC2	2	12GA	SINGLE CONDUCTOR
MC2	8	16GA	SINGLE CONDUCTOR
MC3	3	12GA	SINGLE CONDUCTOR
MC5	4	8GA	SINGLE CONDUCTOR
MC5	4	12GA	SINGLE CONDUCTOR
MC5	1	16GA	SINGLE CONDUCTOR
MC5	2	16GA	SINGLE CONDUCTOR
MC6	1	16GA	SINGLE CONDUCTOR
MC7	1	22GA	2 CONDUCTOR SHIELDED
MC7	2	12GA	SINGLE CONDUCTOR
MC7	2	16GA	SINGLE CONDUCTOR
SB1	8	12GA	SINGLE CONDUCTOR
SB1	4	BUS	SINGLE CONDUCTOR
SG2	23	12GA	SINGLE CONDUCTOR







ACTUAL WIRE COUNTS 			
RUN	QUANTITY	SIZE	CONDUCTOR TYPE

STANDARD AMERICAN/ETRIC WIRE AND CABLE COMPARISON TABLE			
AMERICAN SIZES AND EQUIVALENT AREA	STANDARD ETRIC SIZE MM ²	EQUIVALENT ETRIC SIZE MM ²	
AWG	MCN		
20	.81	.52	
18	1.29	.75	
16	2.05	1.0	
14	3.04	1.5	
12	5.02	2.5	
10	7.7	4	
8	11.5	6	
6	19.4	10	
4	30.8	16	
2	48.9	25	
1	67.7	35	
1/0	91.6	50	
2/0	132	70	
3/0	181	95	
4/0	232	120	
1	250	150	
2	285		

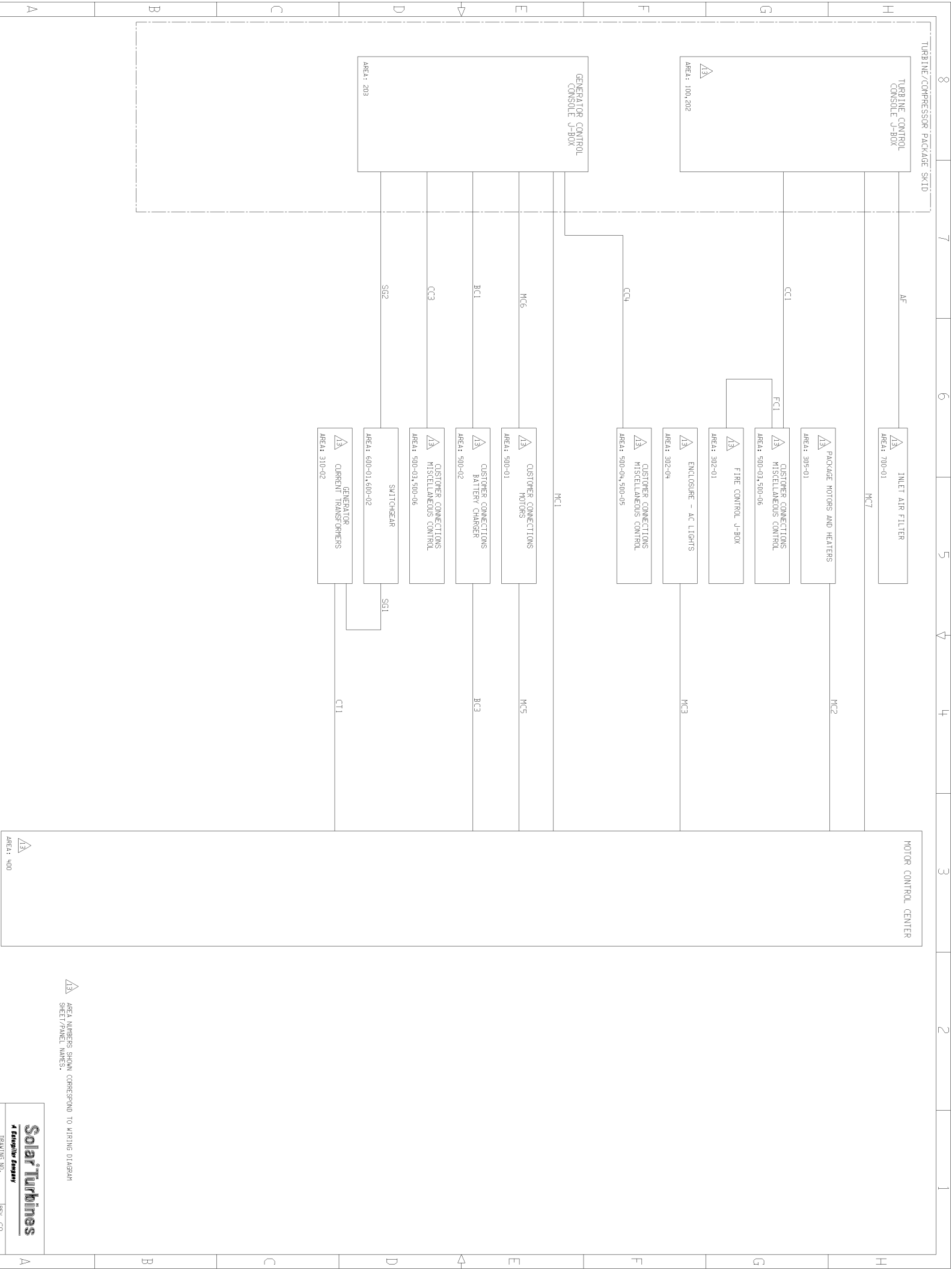
REFERENCE DRAWINGS	
PROJECT NUMBER: 59111	
SOFTWARE LINDER LOGIC	-149742
ELECTRICAL SCHEMATIC	-149480
WIRING DIAGRAM	-149481
INTERFACE/INTERCONNECT DIAGRAM	-149482
LOGIC DIAGRAM	-149730
MECHANICAL INSTALLATION	-149776

CUSTOMER NETWORK-C		<input checked="" type="checkbox"/> SUBMITTED FOR REVIEW <input type="checkbox"/> CERTIFIED AS NOTED WITH  <input checked="" type="checkbox"/> CERTIFIED FOR CONSTRUCTION	
SYMBOLS		<input checked="" type="checkbox"/> INDICATES REFERENCE TO NOTE <input checked="" type="checkbox"/> REMOTES REVISION	
TFSCH NO. 66195		THIS IS A PROPRIETARY DESIGN OF SOLAR TURBINES, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF SOLAR TURBINES, INC.	
PROJECT APPROVED	DATE	DRAWING TITLE	
J. A. ESCOBAR	08-15-00	TAURUS 60 GENERATOR	
B. HOLT	DATE	INTERFACE/INTERCONNECT	
B. HOLT	08-15-00		
B. HOLT	DATE		
B. HOLT	08-15-00		
SOLAR PROJECT ITEM NO. 2-591111		Solar Turbines <i>A Strategic Energy</i>	
CUSTOMER ITEM, NO.		DRAWING NO.	
SEE ABOVE		59111-114982	
CERTIFIER	REV	SHEET 1 of 4	
	DO		

5. INTERCONNECT WIRING BY CUSTOMER IS IDENTIFIED WITH A WIRE RUN NUMBER AND IS IDENTIFIED BY THE FOLLOWING EXAMPLE: 0 (1530) 2 (100A #3) 175A (15 IN WIRE RUN A.A. GROUND) AT ONE POINT ONLY.

	NOTE NOT USED.
	NOTE NOT USED.
	NOTE NOT USED.
	SEE SHEET 1 IMPORTANT! QUANTITIES OF WIRES SHOWN ARE ACTUAL AND DO NOT INCLUDE SPARES. THE INITIAL RELEASE OF THIS DRAWING INAVIABLY RESULTS IN THE USE OF MORE THAN ENOUGH WIRE TYPES FOR PROCESS. A 20% SPARE COUNT ON ALL WIRE TYPES IS ADVISABLE.
	NOTE NOT USED.
	NOTE NOT USED.
	SEE SHEET: 2 AREA NUMBERS SHOWN CORRESPOND TO WIRING DIAGRAM SHEET/PANEL NAMES.

PRODUCT NAME		APPROVED	
J. P. RESCTA		09-15-00	
DESIGN		DATE	
B. HOLT		08-15-00	
CHECK		DATE	
B. NIX		08-15-00	
INSTALL		DATE	
B. HOLT		08-15-00	
SOLAR PROJECT ITEM NO.		2-59111	
CUSTOMER IDENT. NO.			
CUSTOMER			
SEE ABOVE			
DRAWING NO.		59111-149482	
SHEET 1 OF 4		REV 00	



8

7

6

5

4

3

2

1

RUN	SIZE	TYPE	COLOR	WIRE NUMBER	FROM	TO	END DEVICE
AF	16GA	SC	WHT	S799A	ZF2031/10	TSF1-3	S799A
AF	16GA	SC	WHT	S799B	ZF2031/11	TSF1-6	S799B
AF	16GA	SC	WHT	S799C	ZF2031/12	TSF1-2	S799A
AF	16GA	SC	WHT	S799D	ZF2031/13	TSF1-5	S799B
BC1	12GA	SC	WHT	S2001	TS240-1	TS501-1	CH521
BC1	12GA	SC	WHT	S2002	TS240-2	TS501-2	CH521
BC1	12GA	SC	BLU	BC5013	ZF2051/12	BC520	CH521
BC1	12GA	SC	BLU	BC5012	ZF2051/14	BC520	CH521
BC3	12GA	SC	WHT	S2005	CU5201	TS501-5	CH523
BC3	12GA	SC	WHT	S2006	CU5202	TS501-6	CH523
BC3	12GA	SC	WHT	S2007	CU5203	TS501-7	CH523
BC3	12GA	SC	WHT	S2008	CU5204	TS501-8	CH524
BC3	6GA	SC	BLU	BC520P	K422	TS521-3	VARIOUS
BC3	6GA	SC	BLU	BC520M	K422	TS521-4	VARIOUS
BC3	12GA	SC	WHT	GND-BC520	KCC-520	BC520	BC520
BC3	12GA	SC	WHT	L1-BC520	KCC-520	BC520	BC520
BC3	12GA	SC	WHT	L2-BC520	KCC-520	BC520	BC520
CC1	16GA	SC	WHT	24V2	TS240-61	SS12A	SS12A
CC1	16GA	SC	WHT	K213A1	TS240-62	SS12A	SS12A
CC1	16GA	SC	WHT	TS586P	ZF2043/02	TS532-7	TS586
CC1	16GA	SC	BLK	TS586N	ZF2043/COM19	TS532-8	TS586
CC1	16GA	SC	BLK	TS586	ZF2043/V37	TS532-9	TS586
CC1	SHLD	SCS	SHLD	SHLD	FLOATING	FLOATING	IF-586
CC1W55321	18GA	2CS	BLK	S5321	ZF2031/12	TS532-2	S532-1
CC1W55321	18GA	2CS	WHT	S5321P	ZF2031/14	TS532-1	S532-1
CC1W55321	SHLD	2CS	SHLD	SHLD	FLOATING	FLOATING	FLOATING
CC1W55322	18GA	2CS	BLK	S5322	ZF2031/13	TS532-4	S532-2
CC1W55322	18GA	2CS	WHT	S5322P	ZF2031/14	TS532-3	S532-2
CC1W55322	SHLD	2CS	SHLD	SHLD	FLOATING	FLOATING	FLOATING
CC1W55323	18GA	2CS	BLK	TS5532N	ZF2032/04	TS553-6	TS5532
CC1W55323	18GA	2CS	WHT	TS5532P	ZF2032/09	TS553-5	TS5532
CC1W55323	SHLD	2CS	SHLD	SHLD	FLOATING	FLOATING	TS5532

RUN	SIZE	TYPE	COLOR	WIRE NUMBER	FROM	TO	END DEVICE
MC1	12GA	SC	WHT	49012	K290-1/3	K490-1	
MC1	12GA	SC	WHT	49011	K290-1/4	K490-1	
MC1	12GA	SC	WHT	49612	K296-1/3	K496-1	
MC1	12GA	SC	WHT	49611	K296-1/4	K496-1	
MC1	18GA	2CS	BLK	S330P1	TS235-23	VF2430	
MC1	18GA	2CS	WHT	S3322W02	TS235-24	VF2430	
MC1	SHLD	2CS	SHLD	SHLD	FLOATING	FLOATING	
MC2	12GA	SC	WHT	G321	B321/H321	K421	
MC2	12GA	SC	RED	R3211	B321/H321	K421	
MC2	12GA	SC	RED	R3212	B321/H321	K421	
MC2	12GA	SC	RED	R3213	B321/H321	K421	
MC2	16GA	SC	RED	R321H1	B321/H321	K421	
MC2	16GA	SC	RED	R321H2	B321/H321	K421	
MC2	10GA	SC	BLU	B322A1	B322	K422	
MC2	10GA	SC	BLU	B322S2	B322	K422	
MC2	16GA	SC	RED	HE-430	B330/H330	VF2430	
MC2	16GA	SC	RED	HE-430H	B330/H330	VF2430	
MC2	16GA	SC	WHT	S330P2	B330/H330	VF2430	
MC2	16GA	SC	WHT	S330P2	B330/H330	VF2430	
MC2	2GA	SC	RED	G330	B330/H330	VF2430	
MC2	2GA	SC	RED	R3301	B330/H330	VF2430	
MC2	2GA	SC	RED	R3302	B330/H330	VF2430	
MC2	2GA	SC	RED	R3302	B330/H330	VF2430	
MC2	2GA	SC	RED	R3303	B330/H330	VF2430	
MC2	2GA	SC	RED	R3303	B330/H330	VF2430	
MC2	12GA	SC	WHT	G3901	H390-1	K490-1	
MC2	12GA	SC	RED	R39011	H390-1	K490-1	
MC2	12GA	SC	RED	R39012	H390-1	K490-1	
MC2	12GA	SC	RED	R39013	H390-1	K490-1	
MC2	16GA	SC	WHT	49013	H390-1	K490-1	
MC2	16GA	SC	RED	R3901T	H390-1	K490-1	
MC3	12GA	SC	WHT	S301H	TS300-1	MCC-301-AC	
MC3	12GA	SC	WHT	S301G	TS300-3	MCC-301-AC	
MC3	12GA	SC	WHT	S301N	TS300-5	MCC-301-AC	
MC5	14GA	SC	RED	R45981	CU51-H5981	B598-1/H598-1	
MC5	16GA	SC	RED	R5961H1	K496-1	B596-1/H596-1	
MC5	16GA	SC	RED	R5961H2	K496-1	B596-1/H596-1	
MC5	8GA	SC	WHT	G5961	K496-1	B596-1/H596-1	
MC5	8GA	SC	RED	R59611	K496-1	B596-1/H596-1	
MC5	8GA	SC	RED	R59612	K496-1	B596-1/H596-1	
MC5	8GA	SC	RED	R59613	K496-1	B596-1/H596-1	
MC5	12GA	SC	GRN/YEL	GND-5981	VF2498-1	B598-1/H598-1	
MC5	12GA	SC	RED	R59811	VF2498-1	B598-1/H598-1	
MC5	12GA	SC	RED	R59812	VF2498-1	B598-1/H598-1	
MC5	12GA	SC	RED	R59813	VF2498-1	B598-1/H598-1	
MC6	14GA	SC	RED	R28014	K280-1/1	B598-1/H598-1	
MC7	12GA	SC	WHT	DN2	TS240-23	K422	
MC7	12GA	SC	WHT	K4221	TS240-24	K422	
MC7	22GA	2CS	RED	VF249812	ZF2034/08	VF2498-1	
MC7	22GA	2CS	BLK	VF249813	ZF2034/09	VF2498-1	
MC7	SHLD	2CS	SHLD	SHLD	ZF2034/G43	FLOATING	
MC7	16GA	SC	WHT	VF249815	ZF2061/05	VF2498-1	
MC7	16GA	SC	WHT	VF249814	ZF2061/040	VF2498-1	
SG1	BUS	SC	RED	N1	CT303	R661	
SG1	BUS	SC	RED	PH-A	G361	CT601	
SG1	BUS	SC	RED	PH-B1	G361	CT602	
SG1	BUS	SC	RED	PH-C	G361	CT603	
SG1	12GA	SC	RED	PH-A	G361	F663A	
SG1	12GA	SC	RED	PH-C	G361	F663C	
SG1	12GA	SC	BLU	B851	TS362-1	SG-601	
SG1	12GA	SC	BLU	B850	TS362-2	SG-601	
SG1	12GA	SC	BLU	B853	TS362-3	SG-602	
SG1	12GA	SC	BLU	B852	TS362-4	SG-602	
SG1	12GA	SC	BLU	B855	TS362-5	SG-603	
SG1	12GA	SC	BLU	B854	TS362-6	SG-603	
SG2	12GA	SC	RED	R3311	TS232-1	F601SA	
SG2	12GA	SC	RED	R3312	TS232-2	F601SB	
SG2	12GA	SC	RED	R3313	TS232-5	F602SC	
SG2	12GA	SC	RED	R330	TS232-7	F604SA	

INTERFACE WIRE LIST



59111-149482

REV 00

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