



### Wire List

Wire	From	To	Gage	Color	Signal
001	P1-1	TB5-2	16 AWG	Blu	Signal
002	P1-2	TB4-2	16 AWG	Red	Phase C
003	P1-3	TB3-2	16 AWG	Pnk	Phase B
004	P1-5	TB1-2	16 AWG	Blk	Phase A
005	P1-6	TB2-2	16 AWG	Wht	AC Hot
006	P1-7	Gnd Lug	16 AWG	Grn/Yel	AC Neutral
007	P1-8	Bat-1	16 AWG	Red	Transient Ground
008	P1-9	Bat-2	16 AWG	Blk	Battery +
009	P1-16	F9-2	16 AWG	Blk/Vel	Battery -
010	P1-17	F8-2	16 AWG	Blk/Pnk	Alarm Horn
011	P1-18	TB7-2	16 AWG	Blk	Alarm Light
012	P1-21	F7-2	16 AWG	Blk/Wht	Alarm Power
013	P1-22	F6-2	16 AWG	Blk/Red	Motor 3 Starter
014	P1-23	F5-2	16 AWG	Blk/Vio	Motor 2 Starter
015	P1-24	TB6-2	16 AWG	Blk/Org	Motor 1 Starter
016	P2-1	TB15-2	16 AWG	Vto	Starter Power
017	P2-2	TB14-2	16 AWG	Brn	Motor 1 Run
018	P2-3	TB13-2	16 AWG	Yel	Motor 2 Run
019	P2-4	TB12-2	16 AWG	Org	Motor 3 Run
020	P2-5	TB8-2	16 AWG	Wht	External Phase Monitor
021	P2-6	TB16-2	16 AWG	Gry/Org	Input Common 1
022	P2-7	TB17-2	16 AWG	Gry/Pnk	Low Level
023	P2-8	TB18-2	16 AWG	Gry/Red	Off Level
024	P2-9	TB19-2	16 AWG	Gry/Blu	Lead Level
025	P2-10	TB20-2	16 AWG	Gry/Vio	Lag 1 Level
026	P2-11	TB21-2	16 AWG	Gry/Brn	Lag 2 Level
027	P2-13	TB22-2	16 AWG	Wht/Pnk	High Level
028	P2-14	TB9-2	16 AWG	Gry/Vel	Alarm Silence
029	P2-15	TB11-2	16 AWG	Blu/Wht	Alarm Common 2
030	P2-16	TB10-2	16 AWG	Wht/Red	Input Common 1
031	P3-16	Gnd Lug	16 AWG	Grn/Yel	Isolated +24V Rtn
032	Gnd Scr	Gnd Lug	16 AWG	Grn/Yel	Earth Ground
033	TBH-1-3	TB1-1	16 AWG	Blk	Chassis Ground
034	TBH-2-3	CB1-2	16 AWG	Blk	Hot to TFS
035	TBN-1-3	TB2-1	16 AWG	Wht	Hot from CB
036	TBA-1-3	F1-2	16 AWG	Pnk	Neutral to TFS
037	TBB-1-3	F2-2	16 AWG	Red	Phase A to Fuse
038	TBC-1-3	F3-2	16 AWG	Blu	Phase B to Fuse
039	F1-1	TB101-1	16 AWG	Pnk	Phase C to Fuse
040	F2-1	TB102-1	16 AWG	Red	Fused A to Jumper
041	F3-1	TB103-1	16 AWG	Blu	Fused B to Jumper
042	TB101-4	TB3-1	16 AWG	Red	Fused C to Jumper
043	TB102-4	TB4-1	16 AWG	Red	Jumpered A to TFS
044	TB103-4	TB5-1	16 AWG	Blu	Jumpered B to TFS
045	Gnd Stud	Gnd Lug	16 AWG	Grn/Yel	Jumpered C to TFS
046	P2-12	TB23-2	16 AWG	Wht/Yel	Auxiliary Input
049	TB101-2	TB101-3	16 AWG	Pnk	Chassis Ground
047	TB102-2	TB102-3	16 AWG	Red	Jumper A
048	TB103-2	TB103-3	16 AWG	Blu	Jumper B
049	SA1-1	F10-1	18 AWG	STP/Clr	Jumper C
050	SA1-2	TB46-1	18 AWG	STP/Blk	Analog +
051	SA1-3	TB45-1	18 AWG	STP/Shld	Analog -
052	F10-2	P2-22	18 AWG	STP/Clr	Analog Shield
053	TB46-2	P2-23	18 AWG	STP/Blk	TCU Analog +
054	TB45-2	N/C	18 AWG	STP/Shld	TCU Analog -
055	SA1-7	Gnd Lug	18 AWG	Grn/Yel	Surge Ground
066	P2-23	P2-24	18 AWG	Blk	Shunt Jumper

**NOTE:**  
**REFER TO PARTS LIST FOR ASSEMBLY NOTES, PART NUMBERS AND QUANTITIES.**

DATA FLOW SYSTEMS, INC. MELBOURNE, FL		DFS-00396-008-X
DRAWN: C.N.	TITLE:	ASSEMBLY, PLATE
CHKD: X.X.X	- TCU ENCLOSURE	
ENGR: X.X.X	SCALE: 1/2	REV. C
DATE: 09/06/06	SHEET: 1 OF 1	