DATE_____

			PROTOSOUND 2 WIRING CHECKLIST-DIESEL		SOUND SET_____
OK	PIN #	COLOR	USAGE	NOTES	COMMENTS
P1	5 PIN		MOTORS	TWISTED PAIRS	TACH TAPE_____mm
	1	YEL *	+	TO RED(OR 1) TERM = CW ROT.(FLYWHEEL END)	
	2	YEL *	+	TO RED(OR 1) TERM = CW ROT.(FLYWHEEL END)	
	3	N/C			
	4	WHT *	-	TWIN MOTOR DIESELS- FRT MOTOR TURNS CCW &	
	5	WHT *	-	REAR MOTOR TURNS CW	
P4	8 PIN		LIGHTS	2 LIGHTS PER OUTPUT, MAX	
	1	PUR/W	MARS1	WHT CONN	
	2	BRN/W	MARS2	WHT CONN	
	3	BLU/W	DITCH1	BLK CONN	
	4	BLK/W	MARKER1	LED, YEL CONN	
	5	GRN/W	DITCH2	BLK CONN	
	6	ORN	MARKER2	LED, YEL CONN	
	7	GRY	BEACON	LED, RED CONN	
	8	GRY	APWR	LED +	
P5	4 PIN		SMOKE		
	1	PUR	HTR (PV)		
	2	GRN	FAN -	FAN MUST TURN CW	
	3	BRN	HTR		
	4	GRY	FAN + (P5V)	CONNECT TO MARKED TERM.	
P6	12 PIN				
	1	PINK	SMOKE CMD		
	2	PUR *	LT RET (PV)		
	3	ORN	INT LT	BLK CONN	
	4	GRN	REAR LT	GRN CONN	
	5	LT BLU	FRT LT	BLU CONN	
	6	YEL	SPKR+	WHT CONN	
	7	WHT	SPKR-	" "	
	8	BRN	REAR CPLR	BLK CONN	
	9	BLK	FRT CPLR	BLK CONN	
	10	BLU *	PCB GND	CCW VOL CONTROL,SMOKE SW	
	11	GRY	P5V	CW VOL CONTROL	
	12	RED	VOL CTRL	WIPER	
P8	7 PIN		AC IN, TACH	SENSOR GAP=.02-.06	
	1	BLU	LED RET	3 ON TACH BD	
	2	ORN	TACH OUT	2 ON TACH BD	
	3	GRY	P5V	1 ON TACH BD	
	4	BLK *	ENG CHASSIS		
	5	BLK *	ENG CHASSIS		
	6	RED *	ROLLER1		
	7	RED *	ROLLER2		
P9	2 PIN		BATT		
	1	RED*	BATT+		
	2	BLK*	BATT-		
					rev E