

TROUBLESHOOTING CHECKLIST FOR Swift Futura

For proper operation of the elevator, whether trying to run on inspection or automatic, the following inputs must be energized in the correct sequence.

1. All slowdown limit inputs must be high if the car is not at a terminal landing.
SD1,SD2 ... Sdx SUI,SU2 ... SUX x=max number of limits.
2. All safety inputs must be high all the time. GV, HS, CS and ICS inputs. Refer to Relay controller (car toc and access)
3. The 5CR On Off Switch (SCRS) input must be high all the times.
4. The SCR Fault trip(trip) input must be high all the time. The trip input is confirmed by input DRV. CEN relay is up. FLT output is high, EMST is high, EMSD input is high.
5. The Overload Fault (OLF) input must be high all the time. The OLF input is controlled by GPI1.
6. Gate and Lock (GL1) input must be high when the doors are fully closed.
7. The Normal Power (NP) input must be high all the times. Refer to the Emergency Power print number 200.
8. The (RDY) input must be high in order to initiate an SM from the spu.

Car diagnostic display shows typical static inputs needed to initiate a start sequence. The top slow down limits are not high because the car is at the top landing.

Car Diagnostic Display

VFC		Com	Flt	MRC		Com	Flt	TOCC		Com	Flt	GP1		Com	Flt
1	SUI	13	SD1	1	HFON	13	NP	1	HS	13	DOL	1	LBP	13	
2		14	CG	2	HFBP	14	EPA	2	CS	14	DCL	2	DL	14	
3		15	EPL	3	FR	15	EPX	3	ICS	15	DL6	3	INB	15	
4		16		4	FAL	16	BKM	4	ICI	16	NR	4	CGL	16	
5	ETSU	17	ETSD	5	BLS	17	LVE	5	FBP	17	DORL	5	MACC	17	
6	BK	18	FLT	6	DZ	18	ICA	6	DZ	18	DCRL	6		18	
7	GL1	19	MCC	7	DRVS	19	LVEI	7	DFE	19		7		19	
8	DRV	20	DPP2	8	SM	20	BKC	8		20		8		20	
9	MC	21	DPP1	9	GV	21	SMC	9	TCI	21		9		21	
10	AU	22	PT	10	GL	22	RDY	10	DET	22		10		22	
11	TIU	23	PTU	11	ACB	23	ACU	11		23		11	UNL	23	
12	TID	24	PTD	12	ACT	24	ACD	12		24		12	DNL	24	

Start	CC SLDN	AUTOMATIC				COP CC1	Com	Flt	INIT
Run	UC SLDN	POS	5	9	1	1CI	13	1CO	UFC 0 fpm
Next Up	DC SLDN	SR	VEL	DIF	2	2CI	14	2CO	SLF ISF GLF
DD Seq	ZN SLDN	VEL	0	0	3	7CI	15	7CO	TLF DDF ESF
u+		DPC	FPC		4	8CI	16	8CO	DigitMode: 0
UH+	REV SLD	POS	4226	4227	454	5	9CI	9CO	Run Time: 10.41
FLU	CC PLT	FPM	DPP	ERRORS	6		18		GROUP Normal
EM ST	UC PLT	GL	75	4199	135	1	7	19	DRV Rdy
EM SD	DC PLT	LZ	83	4193	93	1	8	20	COM Flt
GPI1-OLF		MZ	75	4196	135	3	9	21	
GPI2		FZ	30	4216	135	2	10	22	
GP01		BK	0	V	0	A	11	23	
GP02		COM		Flt			12	24	