

record
Dec06 DPH

AKKU	PASS
FLASH	PASS
EEPROM	PASS
RTC	PASS
CAN	PASS

FPC902

```
Service STG >
Service STG Slave >
Flash-Programmer >
Setup >
```

Press "OK"

Connect with STG ...

Accept all parameter
from the STG?

Press "OK"

Offline ☒ Yes

```
Parameter download
from STG ...
```

STA19US V1.41

Break-out USA
Automatic
0 Errorless

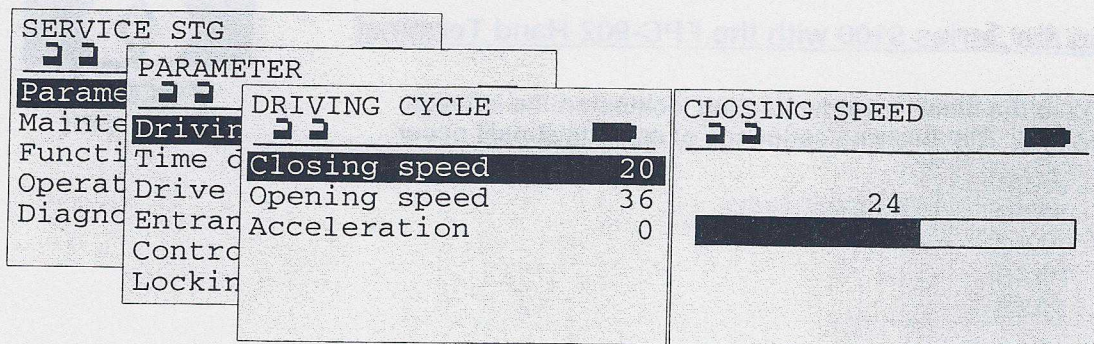
Press "OK"

Continue

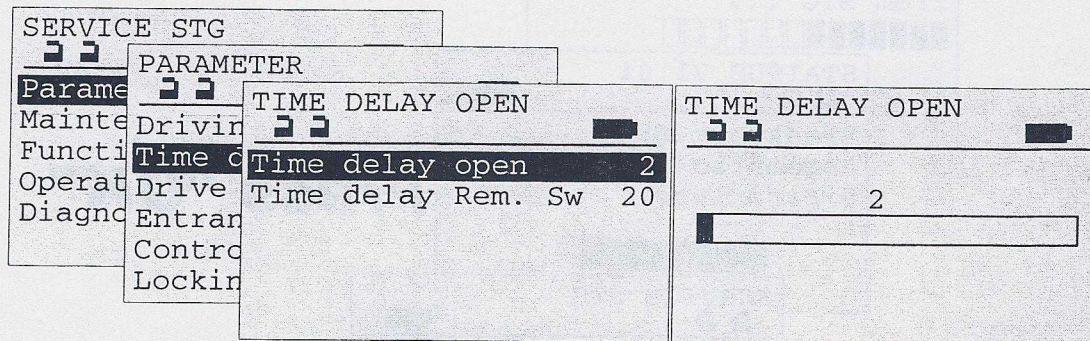
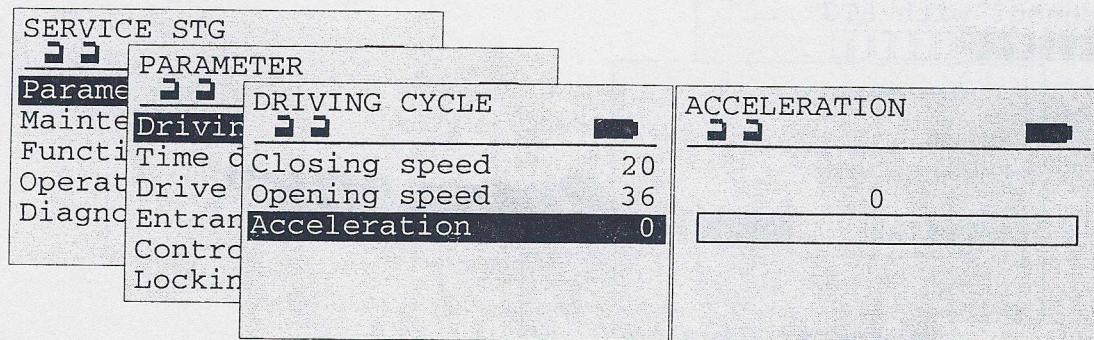
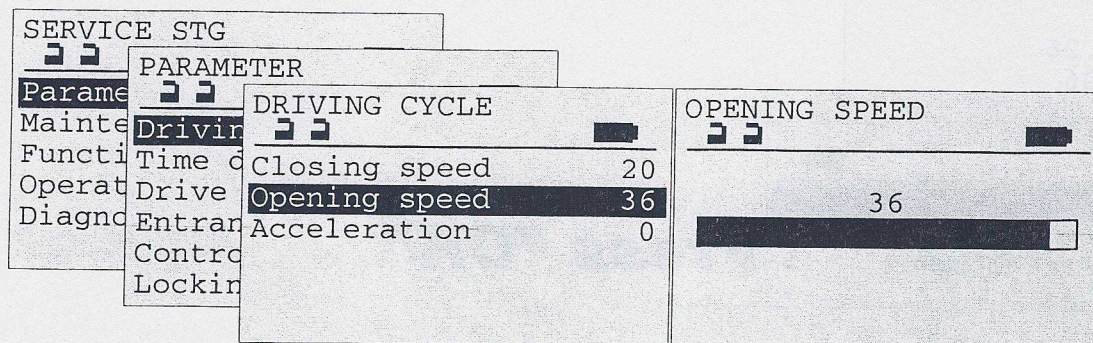
SERVICE STG

```
Parameter          >
Maintenance        >
Functions           >
Operation mode      >
Diagnostics         >
```

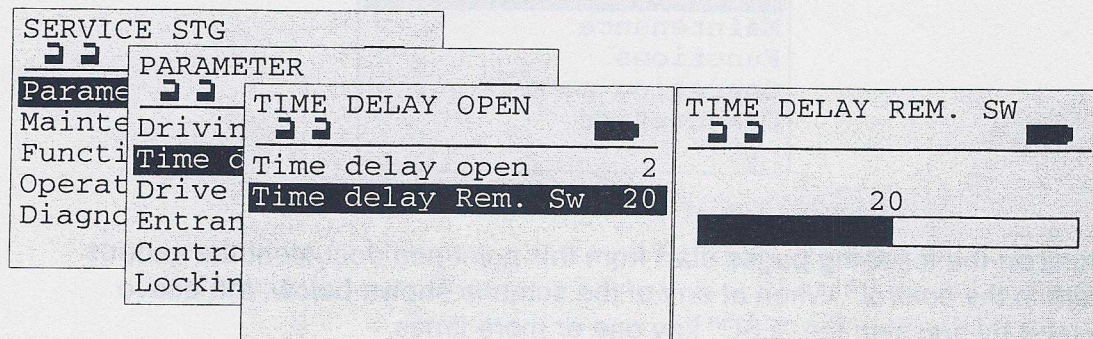
The screen sequences on the following pages start from this point and document the various adjustable parameters in the control. When at any of the screens shown below, the above screen can be accessed by pressing the “ESC” key one or more times.



The closing speed is limited to 1 foot per second max.



0 thru 20 are in 1 sec. intervals; 21 thru 40 are in 2 sec. intervals providing 60 sec. maximum delay.



0 thru 20 are in 1 sec. intervals; 21 thru 40 are in 2 sec. intervals providing 60 sec. maximum delay.

SERVICE STG		
PARAMETER		
Parame	DRIVE	
Mainte	Drivin	
Functi	Time o	PARTIAL OPENING
Operat	Drive	20
Diagno	Entran	
	Contro	
	Lockin	

Reduced opening limits:
0 = 8 inches (minimum);
40 = 100% of opening.

SERVICE STG		
PARAMETER		
Parame	DRIVE	
Mainte	Drivin	
Functi	Time o	REVERSE AUTOMATIC
Operat	Drive	0 Less sensitive
Diagno	Entran	1 More sensitive
	Contro	
	Lockin	

If the door is reversing due to
extraordinarily tight weather seals
or extreme stack pressures,
change from "More sensitive" to
"Less sensitive".

SERVICE STG		
PARAMETER		
Parame	DRIVE	
Mainte	Drivin	
Functi	Time o	EMERG-OPERAT. BAT
Operat	Drive	0 Close, not lock
Diagno	Entran	1 Unlock and open
	Contro	2 Close and lock
	Lockin	3 Open, if not locked

SERVICE STG		
PARAMETER		
Parame	DRIVE	
Mainte	Drivin	
Functi	Time o	POWER FAILURE
Operat	Drive	0 Battery operation
Diagno	Entran	1 Emergency operation
	Contro	
	Lockin	

SERVICE STG	PARAMETER	ENTRANCE SYSTEM	DOOR TYPE	DOOR TYPE
Paramete	Driving	Door t	0 Basic operator	14 C048 Sandow direct
Mainte	Time d		3 C048 Ventouse	15 Basic escape route
Functi	Drive		14 C048 Sandow direct	19 Break-out USA
Operat	Entran		15 Basic escape route	20 Ratchet
Diagn	Contro		19 Break-out USA	21 Dead man
	Lockin		20 Ratchet	22 Sliding window

Typically select "Break-out USA"; select "Ratchet" for Push-to-Open/Push-to-Close operation.

SERVICE STG	PARAMETER	CONTROL PANEL	MECHANICAL PANEL	MECHANICAL PANEL
Paramete	Driving	Mechan	3 disabled	3 disabled
Mainte	Time d	Displa	4 Standard one-way	4 Standard one-way
Functi	Drive		5 Rkr &/or keysw	5 Rkr &/or keysw
Operat	Entran		6 Standard winter	6 Standard winter
Diagn	Contro			
	Lockin			

Typically select "disabled" unless one of the Rocker switch control panels has been connected.

SERVICE STG	PARAMETER	CONTROL PANEL	DISPLAY PANEL	SELECT LANGUAGE
Paramete	Driving	Mechan	Select	0 DEUTSCH
Mainte	Time d	Displa	Keyboa	1 FRANCAIS
Functi	Drive		Contra	2 ENGLISH
Operat	Entran		Contra	3 ENGLISH US
Diagn	Contro		TD Bac	
	Lockin			

SERVICE STG	PARAMETER	CONTROL PANEL	DISPLAY PANEL	KEYBOARD
Paramete	Driving	Mechan	Select	0 Locked-Mode
Mainte	Time d	Displa	Keyboa	1 OFF-Mode
Functi	Drive		Contra	
Operat	Entran		Contra	
Diagn	Contro		TD Bac	
	Lockin			

Typically select "OFF-Mode" unless using a Fail-Safe lock and it is to be locked when door is off.

SERVICE STG
 2 2
 PARAMETER
 Parame 2 2
 Mainte Drivin
 Functi Time d
 Operat Drive
 Diagn Entran
 Contr Lockin

CONTROL PANEL
 2 2
 DISPLAY PANEL
 2 2
 CONTRAST BDE1
 2 2
 20
 TD Bac

SERVICE STG
 2 2
 PARAMETER
 Parame 2 2
 Mainte Drivin
 Functi Time d
 Operat Drive
 Diagn Entran
 Contr Lockin

CONTROL PANEL
 2 2
 DISPLAY PANEL
 2 2
 CONTRAST BDE2
 2 2
 20
 TD Bac

SERVICE STG
 2 2
 PARAMETER
 Parame 2 2
 Mainte Drivin
 Functi Time d
 Operat Drive
 Diagn Entran
 Contr Lockin

CONTROL PANEL
 2 2
 DISPLAY PANEL
 2 2
 TD BACKLITE
 2 2
 20
 TD Bac

When set to "0", the
 backlight is always off;
 1-39 = seconds "on" time;
 40 = backlight always "on".

SERVICE STG
 2 2
 PARAMETER
 Parame 2 2
 Mainte Drivin
 Functi Time d
 Operat Drive
 Diagn Entran
 Contr Lockin

LOCKING
 2 2
 LOCKING FUNCTION
 2 2
 0 Manual mode
 1 Night locked
 2 One-way locked
 3 Always locked

"Night locked" is for use with
 "Fail-safe" autolocks, and door is
 to be locked when the door is
 "Locked". Also see Control Panel /
 Display Panel / Keyboard parameter
 on the previous page.

SERVICE STG	PARAMETER	LOCKING	LOCK TYPE	LOCK TYPE
Param	Time d	Lock t	0 Without lock	3 Motor powered
Mainte	Drive	Entran	3 Motor powered	4 Bistable
Functi	Contro	Lockin	4 Bistable	5 MPV
Operat	Lockin		5 MPV	6 Magnet
Diagno			6 Magnet	7 Fail secure
			7 Fail secure	8 Fail safe

Typically select "Without lock", "Fail secure", or "Fail safe" for North American applications.

SERVICE STG	PARAMETER	INPUT	EXT. SW IN
Param	Time d	Ext. S	0 Ext. Sw IN
Mainte	Drive	Emerg.	1 Inactive by one-way
Functi	Entran	Aux. S	and locked
Operat	Contro		
Diagno	Lockin		
	Input		

To comply with ANSI/BHMA A156.10 always select "Ext. Sw IN" to enable the exterior sensor when the door is in Exit-only mode and the door is open.

SERVICE STG	PARAMETER	INPUT	EMERG. OPEN/CLOSE	EMERG. OPEN/CLOSE
Param	Time d	Ext. S	0 disabled	2 Emerg. Cls
Mainte	Drive	Emerg.	1 Emergency Open	Manual&RemSw
Functi	Entran	Aux. S	2 Emerg. Cls	3 Emergency Close
Operat	Contro		Manual&RemSw	Locked
Diagno	Lockin			4 Emergency Close
	Input			Locked&RemSw

When selecting Emergency Open or Close options, use one of the above selections.

SERVICE STG	PARAMETER	INPUT	AUX. SW
Param	Time d	Ext. S	0 disabled
Mainte	Drive	Emerg.	1 Safety Beam
Functi	Entran	Aux. S	2 Sidescreen sensor
Operat	Contro		3 C048
Diagno	Lockin		
	Input		

For use when the auxiliary input (Terminal 6) is used (normally "disabled").

If adding an additional safety beam, connect N.C. contacts between terminals 5 (+24) and 6.

If adding sidescreen protection sensors, use N.C. contacts between terminals 5 (+24) and 6.

SERVICE STG	
PARAMETER	
Alarm/	
0 Alarm	
1 Gong	

Determines what the auxiliary contacts (Terminals 8, 9, & 10) will respond to: "Alarm" is response to any abnormal door status (except "Obstruction"); "Gong" is response to interruption of the safety beams when the door is open; the contacts are momentarily switched every 10 seconds.

SERVICE STG	
PARAMETER	
TOWA	
0 disabled	
1 enabled	

If the door is in "Partial Open" mode, enabling TOWA will provide full door opening if traffic approaches on both sides, or occurs for more than 10 sec.

SERVICE STG	
PHONE	

This parameter is used to replace the factory telephone number with a custom telephone number. This number will be momentarily displayed when the unit is switched from "OFF" mode, and will periodically flash when an Alarm screen is displaying. Removal of a custom number will reinstate the factory 800 number.

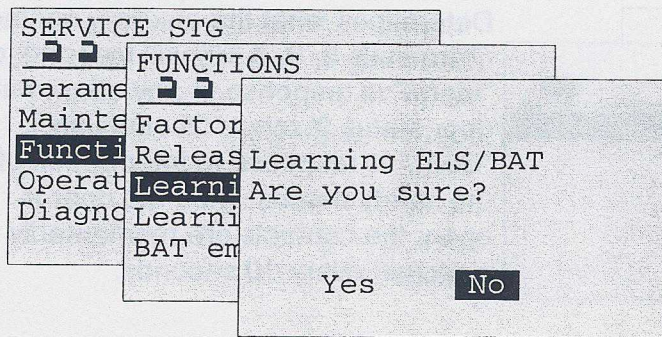
The following screen sequences are not used to modify parameters, but are used to reset various door functions as described.

SERVICE STG	
FUNCTIONS	
Factory	
Release	Factory settings
Learn	Are you sure?
Learn	
BAT em	
Yes	No

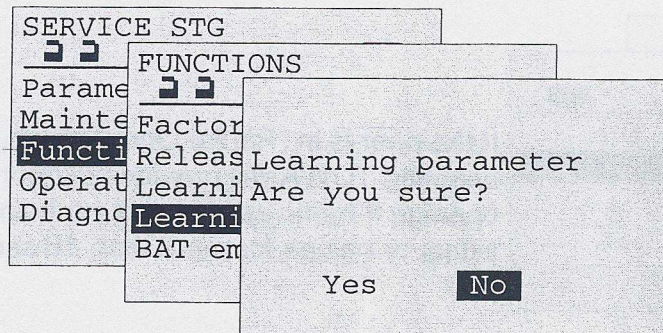
When selecting "Yes" and pressing "OK", all parameters are reset to the factory settings.

SERVICE STG	
FUNCTIONS	
Factory settings	>
Release AKI	>
Learning ELS/BAT	>
Learning parameter	>
BAT emerg. reaction	>

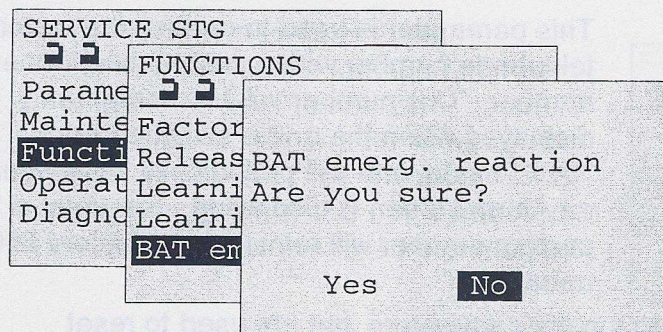
Selecting "Release AKI" and pressing "OK" will simulate an actuation from the Interior Sensor.



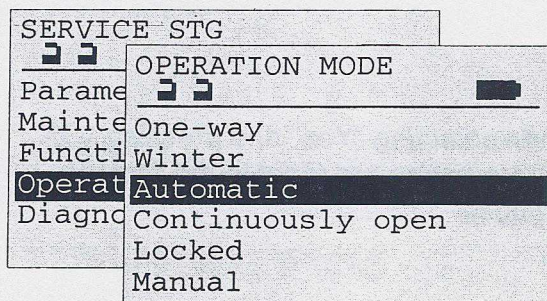
For use when adding an optional battery backup module.



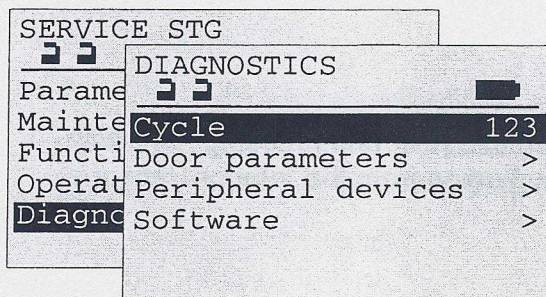
For use when initially commissioning a door, or significantly altering the mechanical characteristics of the door.



Used to test an optional battery backup.



Indicates the current operational mode of the door. Note this screen does not dynamically update in response to changes to the control panel. The Status screen, accessible anytime the terminal is servicing the unit (STG), will dynamically update in response to changes to the control panel(s).



Indicates the total number of door cycles.

SERVICE STG			
DIAGNOSTICS			
Paramete	DOOR PARAMETERS		
Mainte	Cycle		
Function	Door p	Mass [kg]	43
Operat	Periph	Friction opening	9
Diagn	Softwa	Friction closing	8

For factory reference.

SERVICE STG			
DIAGNOSTICS			
Paramete	PERIPHERAL DEVICES		
Mainte	Cycle		
Function	Door p	Motor 1	1
Operat	Periph	Motor 2	0
Diagn	Softwa	Battery type	0

For factory reference.

SERVICE STG			
DIAGNOSTICS			
Paramete	SOFTWARE		
Mainte	Cycle		
Function	Door p	Running cycle	1234
Operat	Periph	Status	0
Diagn	Softwa	Reboot	0

For factory reference.

SERVICE STG			
DIAGNOSTICS			
Paramete	SOFTWARE		
Mainte	Cycle		
Function	Door p	Running cycle	1234
Operat	Periph	Status	0
Diagn	Softwa	Reboot	0

For factory reference.

SERVICE STG			
DIAGNOSTICS			
Paramete	SOFTWARE		
Mainte	Cycle		
Function	Door p	Running cycle	1234
Operat	Periph	Status	0
Diagn	Softwa	Reboot	0

For factory reference.



The following sequence of screens are to be followed when updating door and display software.

AKKU	PASS
FLASH	PASS
EEPROM	PASS
RTC	PASS
CAN	PASS

FPC902
Version 1.26
Nov 24 2006
10:48:48

FPC902

- Service STG
- Service STG Slave >
- Flash-Programmer >**
- Setup >

**Use the Down arrow to
select "Flash-Programmer"
then press "OK"**

FLASH PROGRAMMER

- Automatic update >**
- Manual update >
- Indicate files >
- Check files >

Press "OK"

CAN nodes are
searched ...
■■■■■■■■□□□□□□

Updates are
searched ...

STA19US Vx.xx
replace by
STA19US Vx.xx

Yes **No**

**Use the Left
arrow to select
"Yes", then
press "OK"**

Updates are
searched ...

BDE-D Vx.xx
replace by
BDE-D Vx.xx

Yes **No**

**Use the Left
arrow to select
"Yes", then
press "OK"**

AKKU	PASS
FLASH	PASS
EEPROM	PASS
RTC	PASS
CAN	PASS

FPC902
Version 1.26
Nov 24 2006
10:48:48

FPC902

Service STG
Service STG Slave >
Flash-Programmer >
Setup >

FLASH PROGRAMMER

Automatic update >
Manual update >
Indicate files >
Check files >

Lists the software stored on the SD card in the FPC902

AKKU	PASS
FLASH	PASS
EEPROM	PASS
RTC	PASS
CAN	PASS

FPC902
Version 1.26
Nov 24 2006
10:48:48

FPC902

Service STG
Service STG Slave >
Flash-Programmer >
Setup >

FLASH PROGRAMMER

Automatic update >
Manual update >
Indicate files >
Check files >

Checks the software stored on the SD card in the FPC902.

AKKU PASS
FLASH PASS
EEPROM PASS
RTC PASS
CAN PASS

FPC902
Version 1.26
Nov 24 2006
10:48:48

FPC902

Service STG >
Service STG Slave >
Flash-Programmer >
Setup >

SETUP

Renew license >
Select language >

RENEW LICENSE

Lapse counter: 500
ID: 3 076 305 230
KEY:

Not used in North America

AKKU PASS
FLASH PASS
EEPROM PASS
RTC PASS
CAN PASS

FPC902
Version 1.26
Nov 24 2006
10:48:48

FPC902

Service STG >
Service STG Slave >
Flash-Programmer >
Setup >

SETUP

Renew license >
Select language >

SELECT LANGUAGE

DEUTSCH
FRANCAIS
ENGLISH
ENGLISH US