




Set-up programming


Toyota Parking Aid 800

Installation instructions



Part number: PZ464-*0425-00

 Weight: N/A kg

 Installation time: N/A hours

Manual reference number: AIM 000 388-2

Revision Record

Rev. No.	Date	Page	Picture	Update	New	Deleted Steps
1	24-11-05	3, 4			X	
		6	1	X		
2	22-03-06	13	8	X		

Set-up programming

Purpose?

The purpose of the set-up is to configure the TPA800 system to a specific vehicle. The installer will be guided through the choice of the configuration via the front and rear speakers.

How to enter in the set-up menu?

Connect a push button (the front exclusion switch for example or any other push button) to the set-up cable (fitted in the front of the vehicle). Gear in neutral position, push for 2 seconds on the push button. Both front and rear buzzers emit a loud and long beep confirming the installer is in the set-up menu.

How to navigate in the set-up menu?

At this point, the installer can select the menu page with the gearshift. Every insertion and release of the reverse gear increases the menu page number by 1 (insert/release the reverse once, enter page 1; insert/release reverse a second time, enter page 2, ...). The system emits from both front and rear speakers a number of loud beeps corresponding to the page number the system just enter (1 beep = menu page 1, 2 beeps = menu page 2, ...5 beeps = menu page 5). When the wanted page is reached, the installer can operate the parameters value with the push button.

Note:

Both menu pages and parameter values selection are circular. It means that after the last one, the first one comes back.

How to exit set-up menu?

At any time, the installer can switch ignition off and reconnect the push button to the right connector. All values will be automatically saved as they have been entered last.

What is the menu structure?

Page 1: read-out of parameters

The page requested no actions of the installer. The system indicates what are the actual (or active) values in its memory (X1, X2, X3 and X4 values).

After having inserted and released the reverse for the first time, the system is going to emit a loud beep from both front and rear speaker. This beep confirms that the installer is in the page menu 1.

Then it makes a certain number of beep from the rear speaker, then from the front, then the rear again and the front finally. These numbers of beeps correspond to the X1, X2, X3 and X4 values i.e. the actual (or active) values in the ECU memory.

For example the following sequence of beeps means:

	Rear Speaker	Front Speaker	
	beeeeeep	beeeeeep	System confirm it enter menu page 1
1 sec			
	beep beep		2 beeps means X1=2
1 sec			
		beep beep beep	3 beeps means X2=3
1 sec			
	beep		1 beep means X3=1
1 sec			
		beep beep	1 beep means X4=1

At this point of time, the installer can push on the push button to make the system go through the read-out again (repeat the X1, X2, X3 and X4 values) or insert/release the reverse to go to the next page.

Page 2: rear bumper selection

The installer will select the correct value for the memory if they are not correct. He will match the X1 value (in the system memory) and the "a" values (from the table).

The system makes 2 loud beeps from both front and rear speakers to confirm it just enter menu page 2. It then waits for the installer actions.

If the value in the system memory is corrected (X1=a), the installer can just insert/release the reverse to go the next menu page. If the value is not correct he will push on the push button the requested number of time as stated by the table line "a" - rear bumper selection. Between each push, the system will emit a certain number of beeps from the rear speaker indicating which value is now stored in the system memory (1 beep from rear speaker = the set value is 1 (X1=1), 3 beeps = the set value is 3,) When the correct value is stored in the system memory the installer will insert/release the reverse and the system stores the value automatically and goes to the next page or switch ignition off and exit from the procedure.

Page 3: front bumper selection

The same as here above described applies for this menu. The installer will check the X2 values with the line "b"- front bumper selection - from the table.

Page 4: rear power selection

The same as here above described applies for this menu. The installer will check the X3 values with the line "c"- rear power selection - from the table.

Page 5: front power selection

The same as here above described applies for this menu. The installer will check the X4 values with the line "d"- front power selection - from the table.

Page 6: read-out system errors

In this page menu, the system indicates what the system errors are (if any).

First, the system emits from both front and rear speakers 6 loud beeps confirming the installer reached the menu 6. If any errors are stored in his memory, the system will emit 1 or more of the following sequences of beeps from both the front and rear speakers:

1 beep	rear buzzer failure (buzzer broken, wrong connection, cable broken, ...)
2 beeps	front buzzer failure (buzzer broken, wrong connection, cable broken, ...)
3 beeps	ECU failure (hardware or software)
4 beeps	sensor failure (sensor broken, or wrong connection, cable broken, ...)

The installer can go through the read-out again by pushing once on the push button at the end of the read-out.

If a sensor failure is reported the installer can go to the next page menu by inserting/releasing reverse in order to have more detailed information about it. Otherwise he can switch ignition off and exit from the procedure.

Page 7: read-out of the sensor failure

If any of the sensors encounters a failure (4 beeps at the previous page), this page will indicate which sensor has a problem.

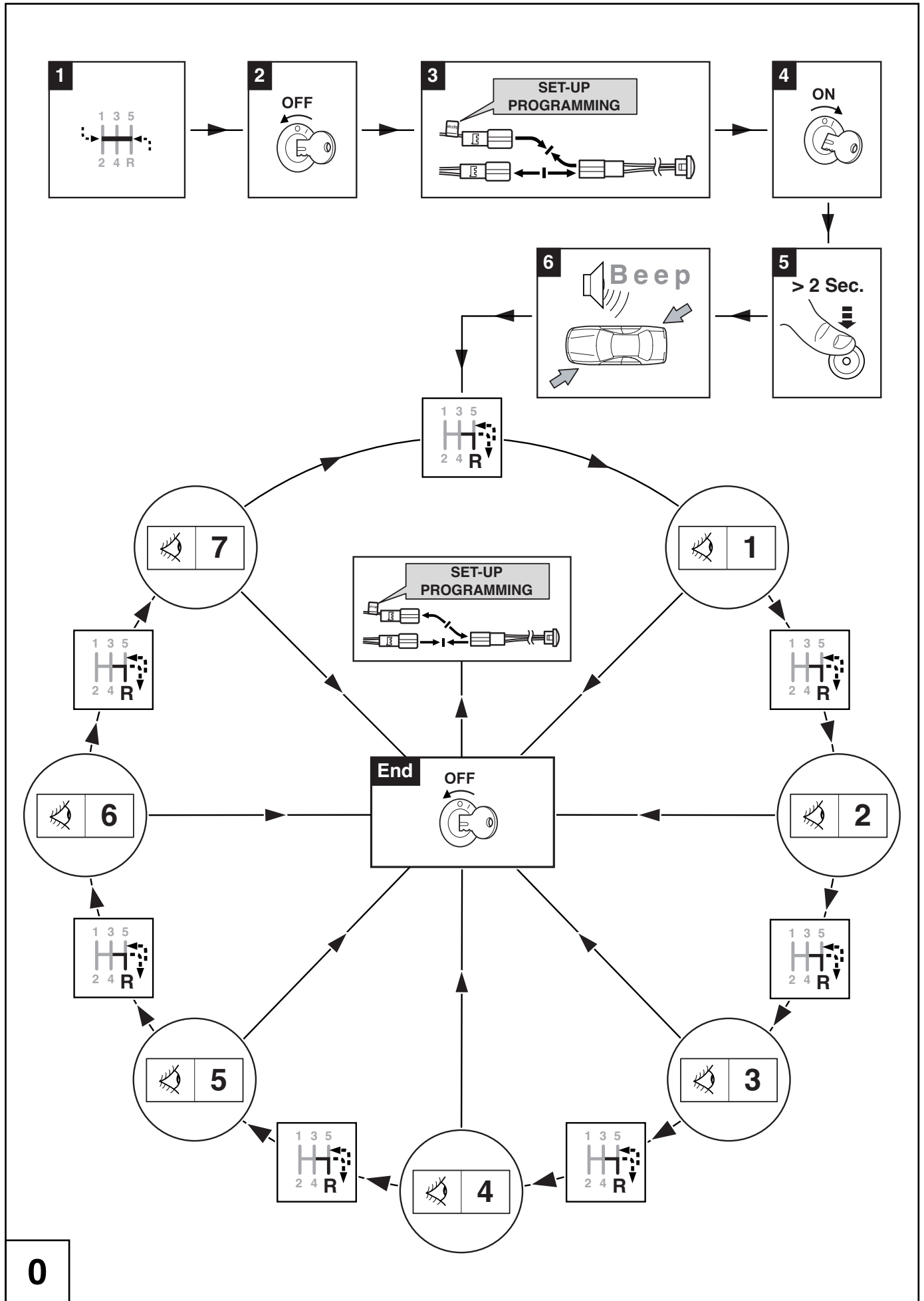
The system emits first 7 loud beeps from both front and rear speakers confirming it just enter menu page 7.

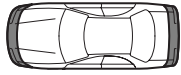
If any of the sensors is broken, the system will emit 1 or more of the following sequences of beeps:

1 beep	rear speaker	rear sensor number 1 failure
2 beeps	rear speaker	rear sensor number 2 failure
5 beeps	rear speaker	rear sensor number 3 failure
6 beeps	rear speaker	rear sensor number 4 failure
1 beep	front speaker	front sensor number 1 failure
2 beeps	front speaker	front sensor number 2 failure
5 beeps	front speaker	front sensor number 3 failure
6 beeps	front speaker	front sensor number 4 failure

The installer can go through the read-out again by pushing once on the push button at the end of the read-out.

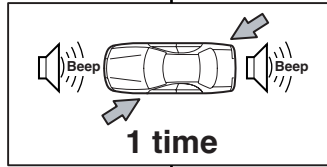
Otherwise he can go to the back to page menu 1 by inserting/releasing reverse or switch ignition off and exit from the procedure.





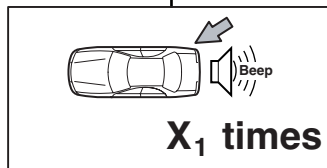
Read-out of parameters

$X_1; X_2; X_3; X_4$



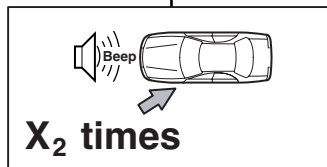
1 sec.

$(X_1 = 1, \dots, 5)$



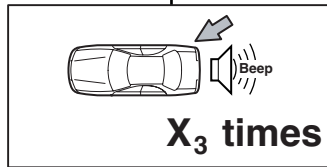
1 sec.

$(X_2 = 1, \dots, 5)$



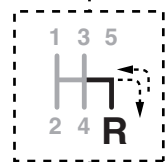
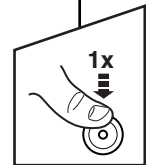
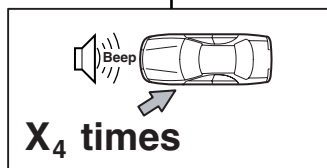
1 sec.

$(X_3 = 1, \dots, 3)$

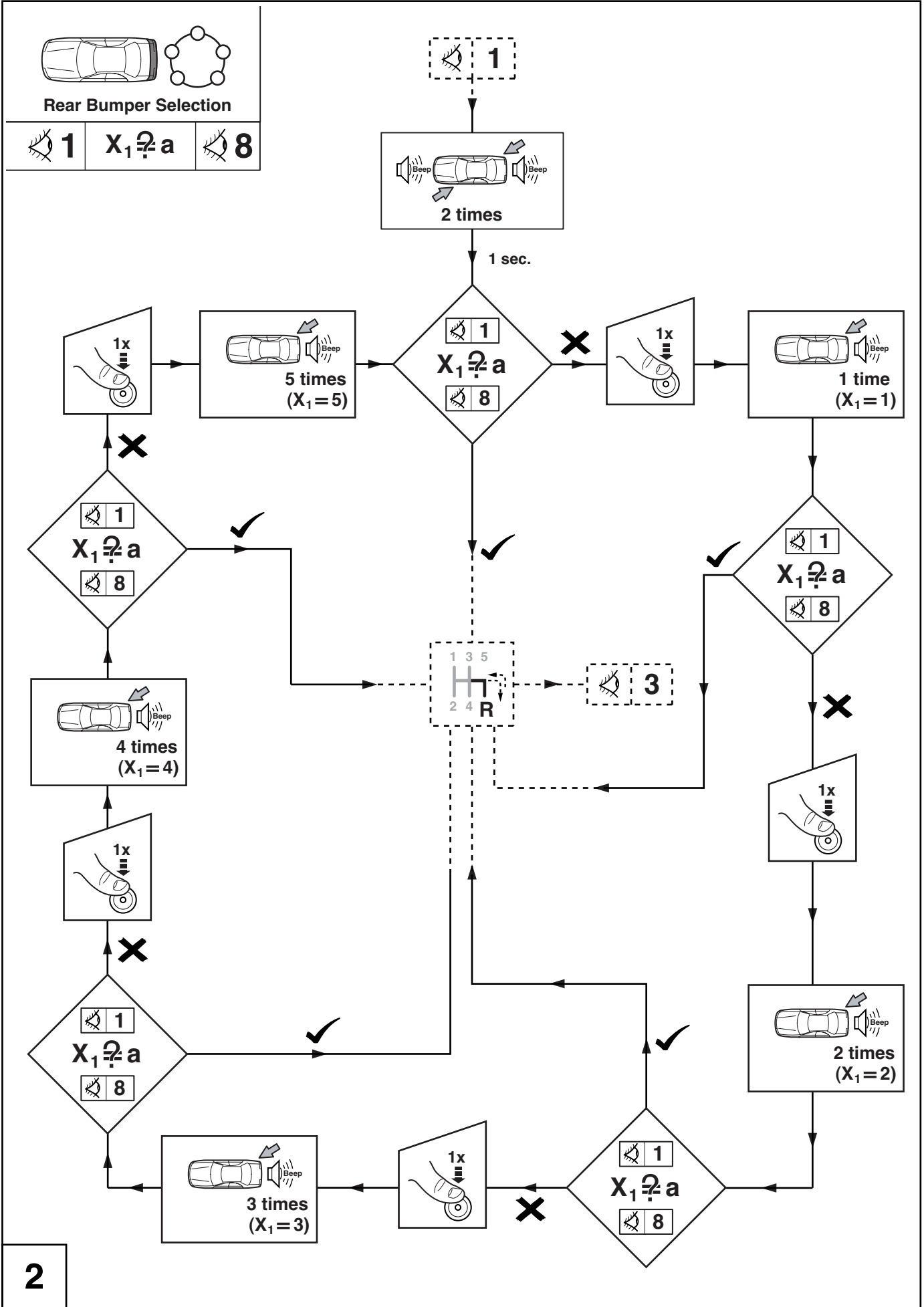


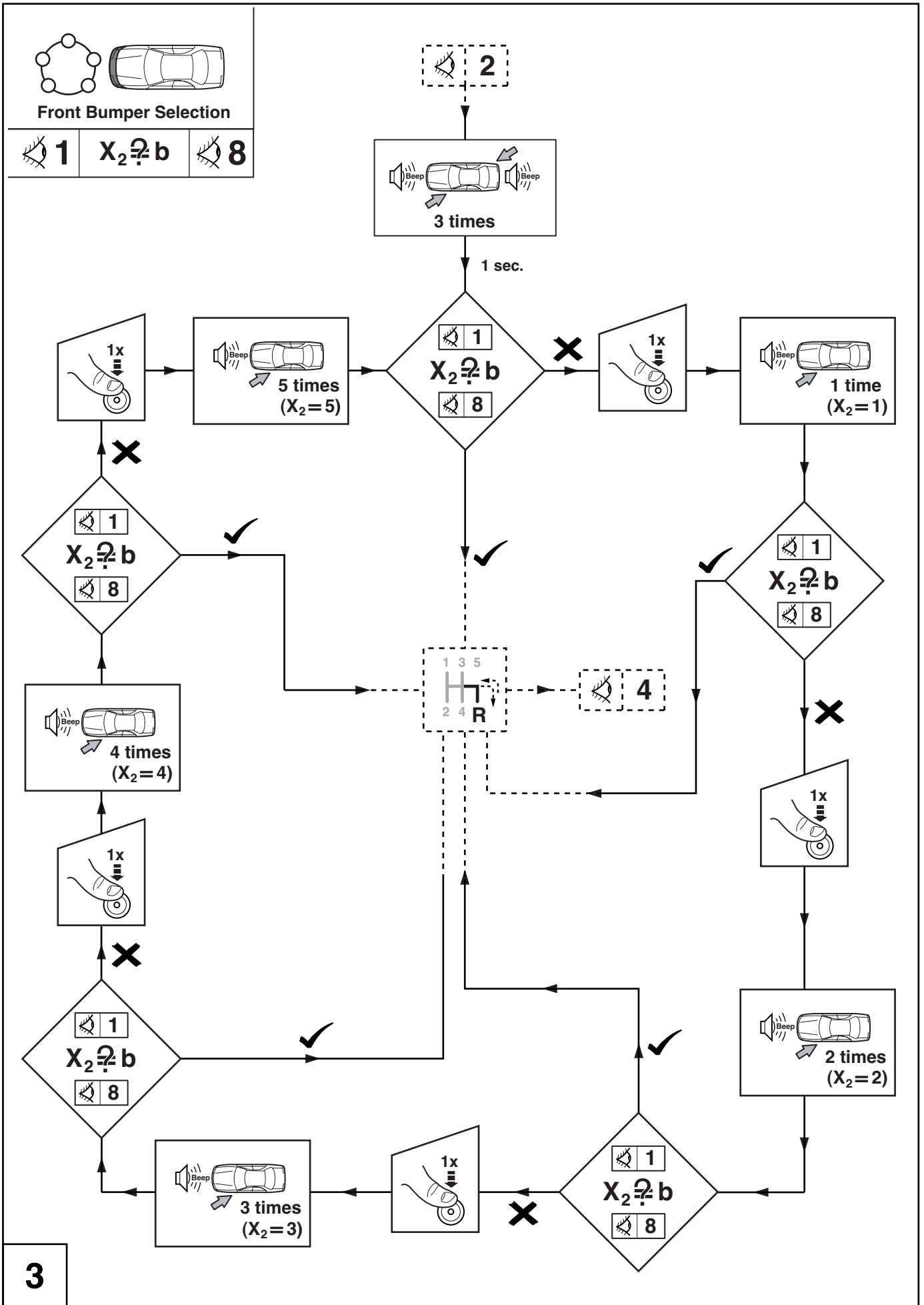
1 sec.

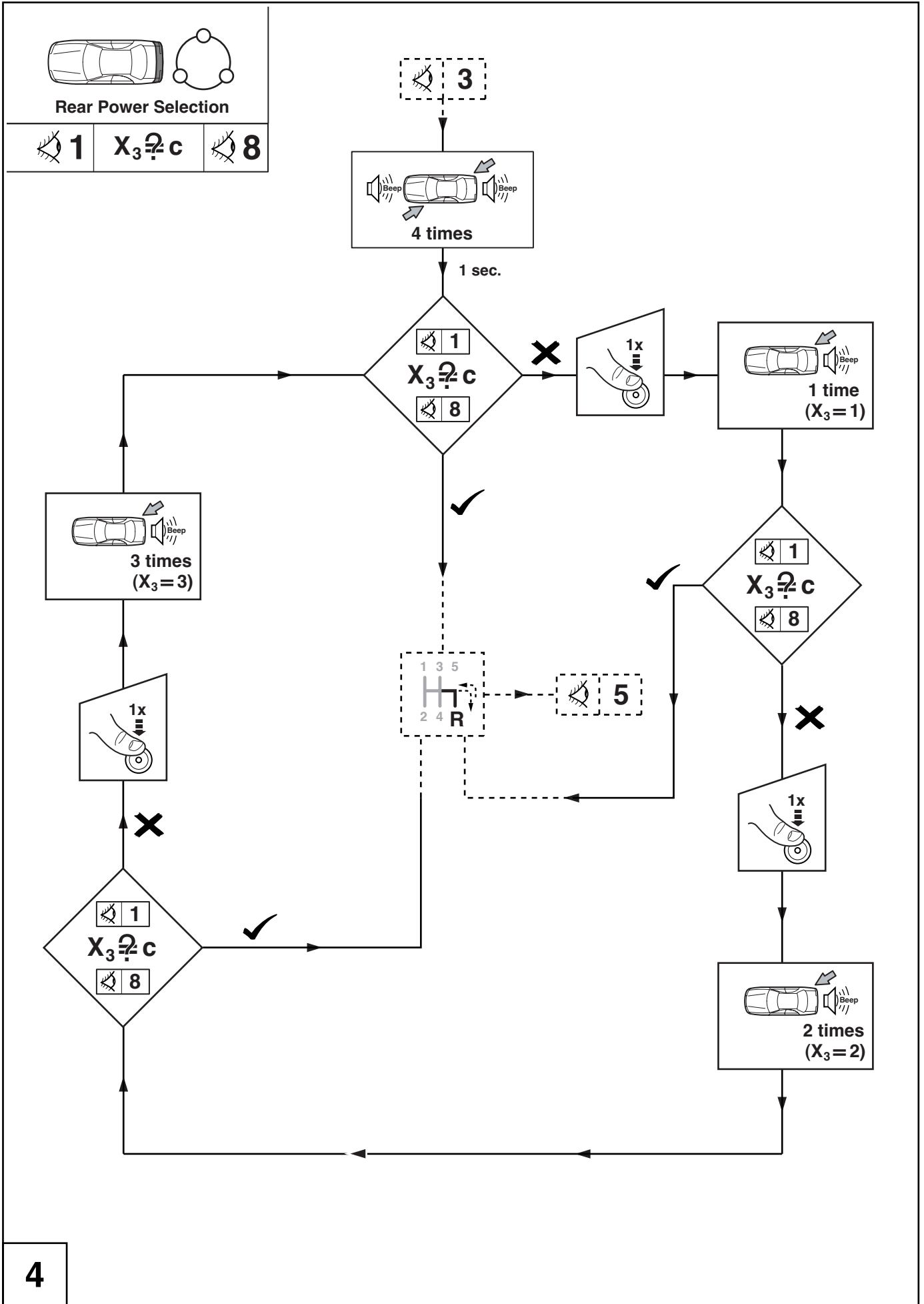
$(X_4 = 1, \dots, 3)$

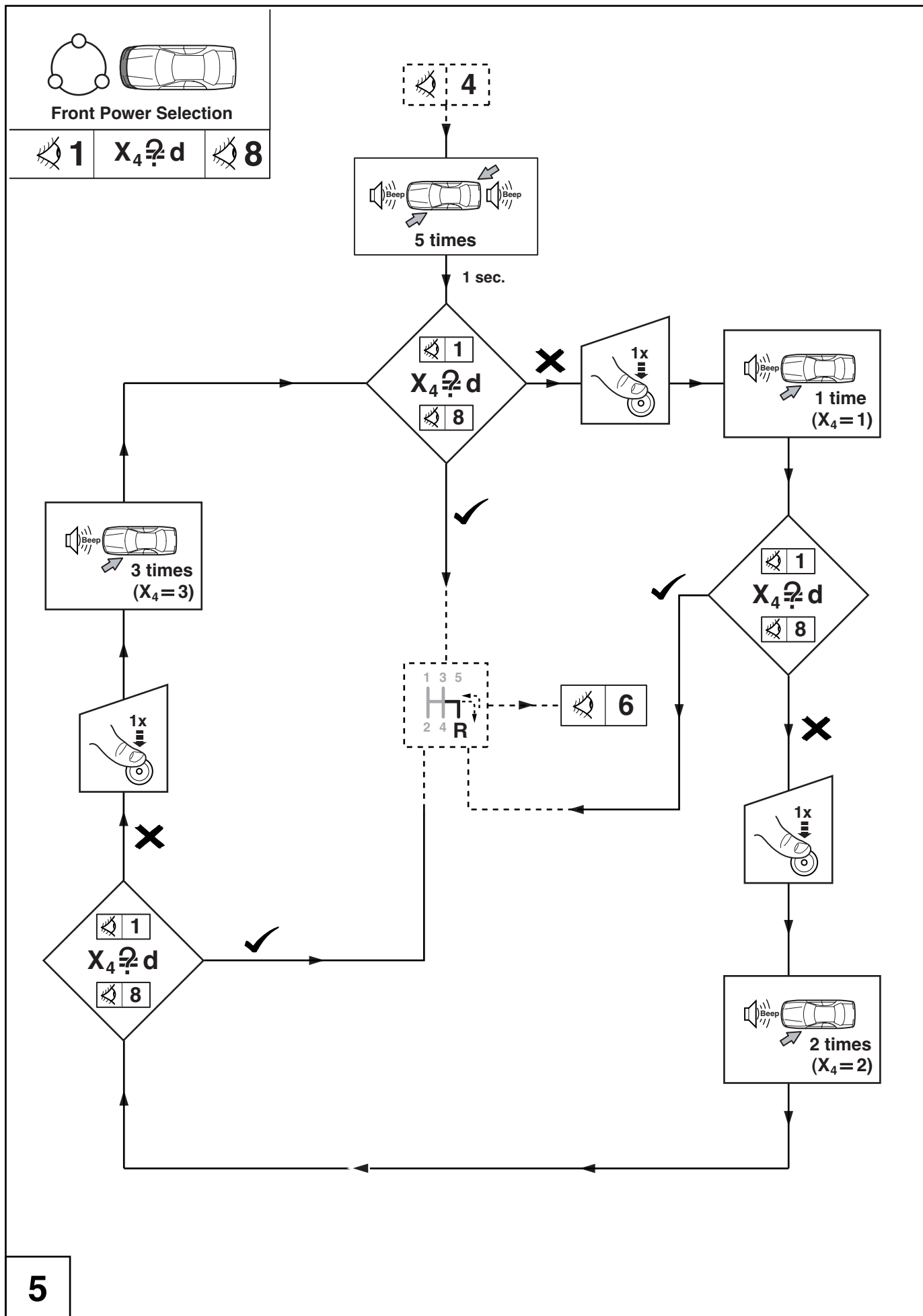


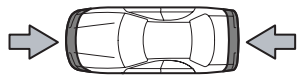
1



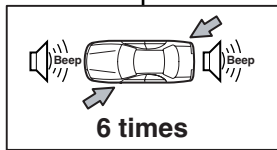




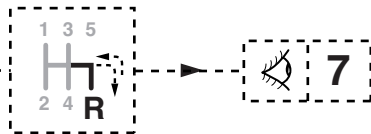
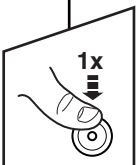
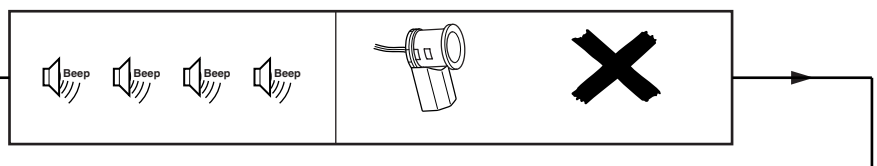
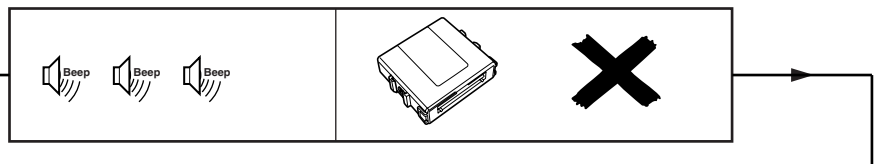
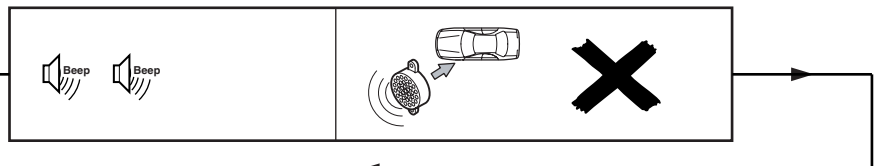
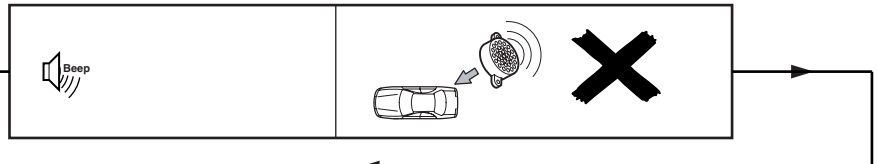




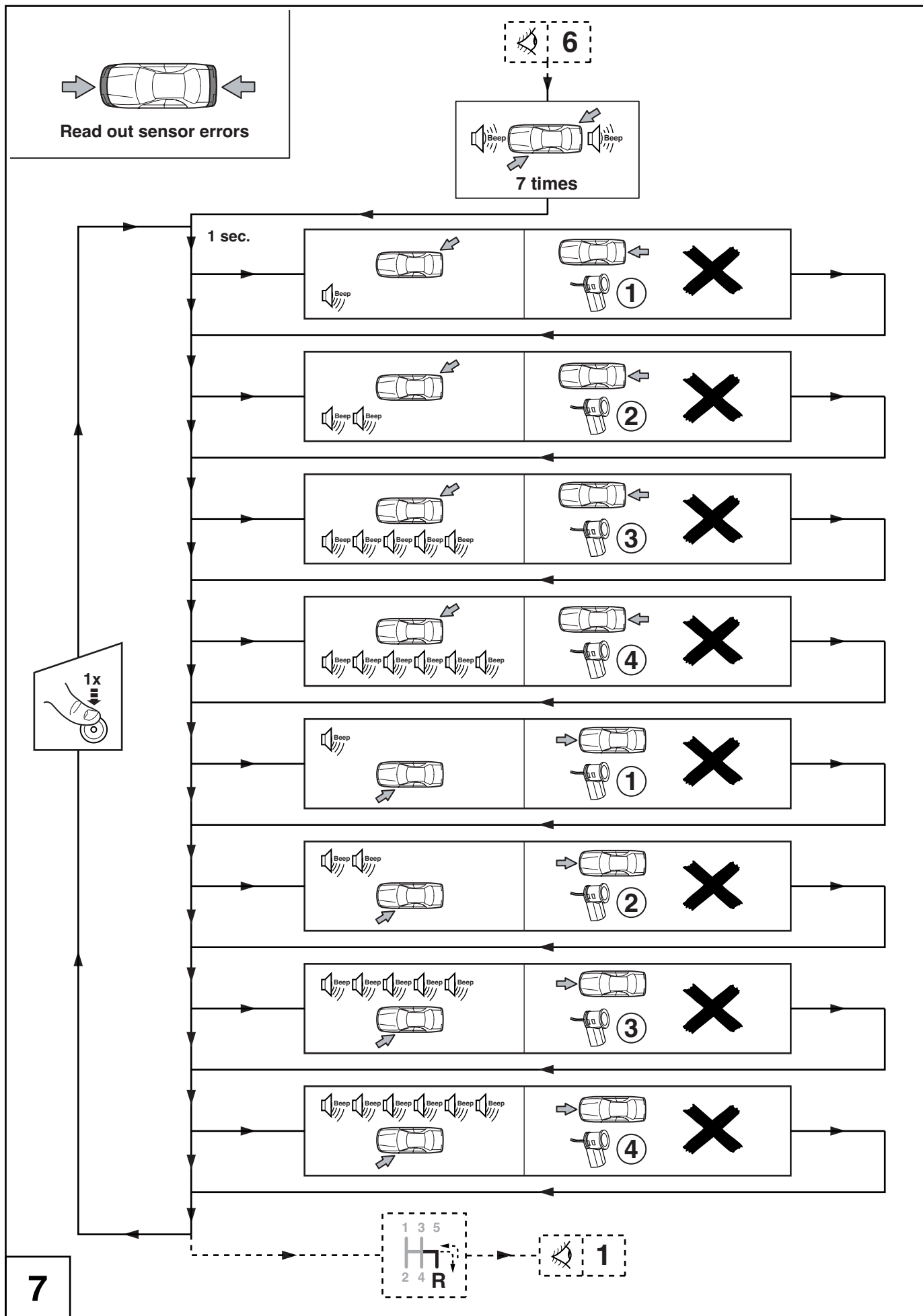
Read out System errors







1 sec.

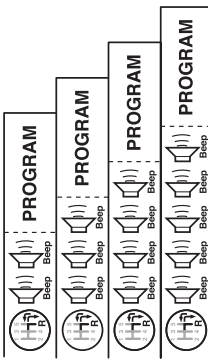


6



TOYOTA TPA800 SET-UP AIM 000 388

		Avensis Sedan/Liftback/Wagon	Carmy	Corolla Sedan/Wagon	Corolla Hatchback	Corolla Verso	Hilux	Hilux with front guard	Land Cruiser LC100	Land Cruiser LC120	Prius	RAV4 3/5 Doors (2003-2005 model)	RAV4 3/5 Doors with front guard (2003-2005 model)	RAV4 2006 model (PZ464-X0425-00)	Lexus IS-220	Lexus RX-300/350/400h
a		Rear Bumper Selection	1	1	1	1	1	4	4	3	1	2	2	NOT APPLICABLE	1	1
		Front Bumper Selection	1	1	2	1	1	1	3	1	1	4	5	4	1	3
			1	1	1	2	2	1	1	2	1	1	1	2	2	2
		Front Power Selection	1	2	1	1	2	2	2	1	1	1	1	1	1	2
b		Front Bumper Selection	1	1	1	1	1	3	1	1	4	5	4	1	3	
		Rear Power Selection	1	1	1	2	2	1	2	1	1	1	1	1	2	2
c		Front Power Selection	1	2	1	1	2	2	1	1	1	1	1	1	1	2
		Rear Power Selection	1	1	1	1	1	1	2	1	1	1	1	1	1	2
d		Front Power Selection	1	2	1	1	2	2	1	1	1	1	1	1	1	2
		Rear Power Selection	1	1	1	1	1	1	2	1	1	1	1	1	1	2



2
3
4
5