

# PREVOST

## Instruction Sheet

## IS-14072

### Parking Brake Audible Alarm (US10 & OBD13 X3-45 Vehicles)

#### MATERIAL

Kit 069156P includes the following parts:

Part No.	Description	Qty
069155	Parking Brake indicator harness	1
565954	High intensity red NRG led indicator	1
565955	NRG, Parking Brake cover	1
IS-14072	Instruction Sheet (English)	1
FI-14072	Instruction Sheet (French)	1

#### *NOTE*

*Material can be obtained through regular channels.*



#### **DANGER**

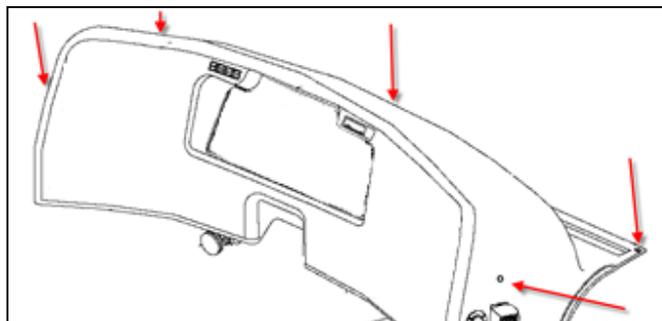
Park vehicle safely, apply parking brake, stop engine and set battery master switch(es) to the OFF position prior to working on the vehicle.

**Installation procedure for audible in-dash parking brake alarm with LED indicator.**

#### STEP 1

##### LED LIGHT INDICATOR INSTALLATION

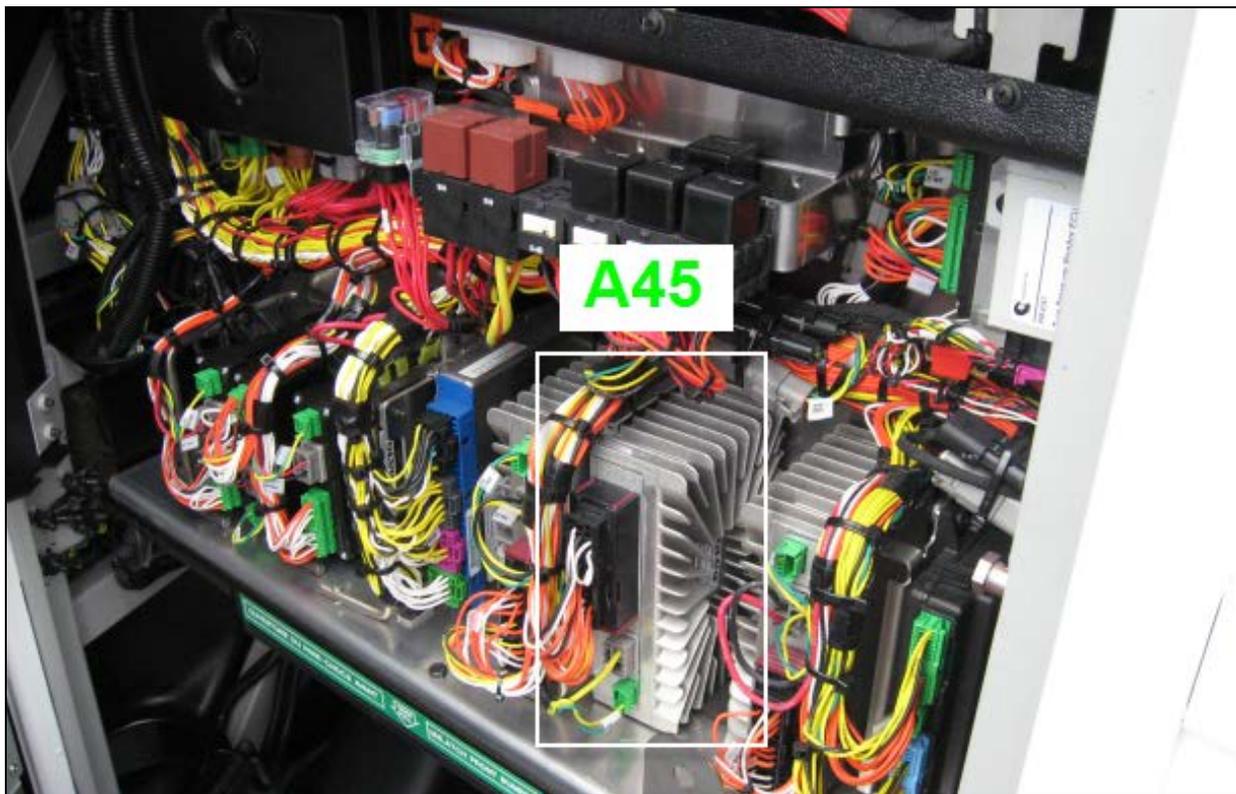
1. Remove the dash cover (Remove Phillips head screws 5X).



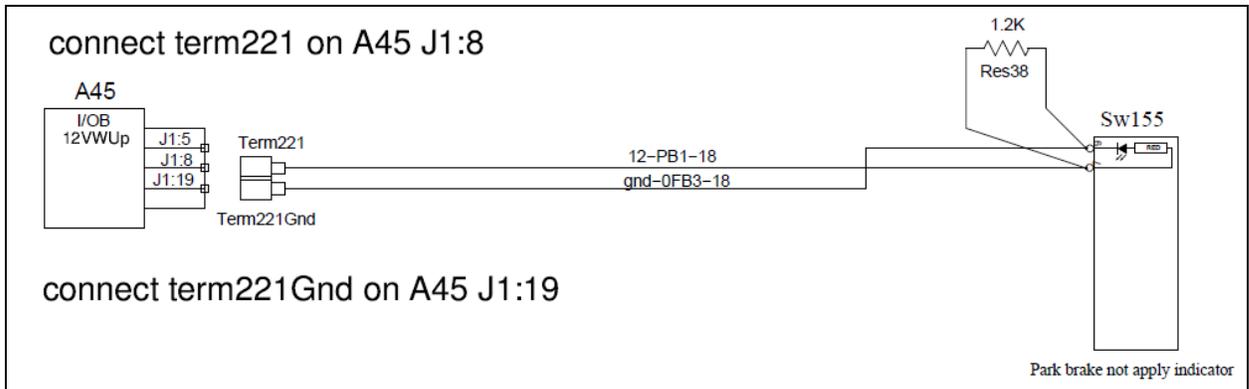
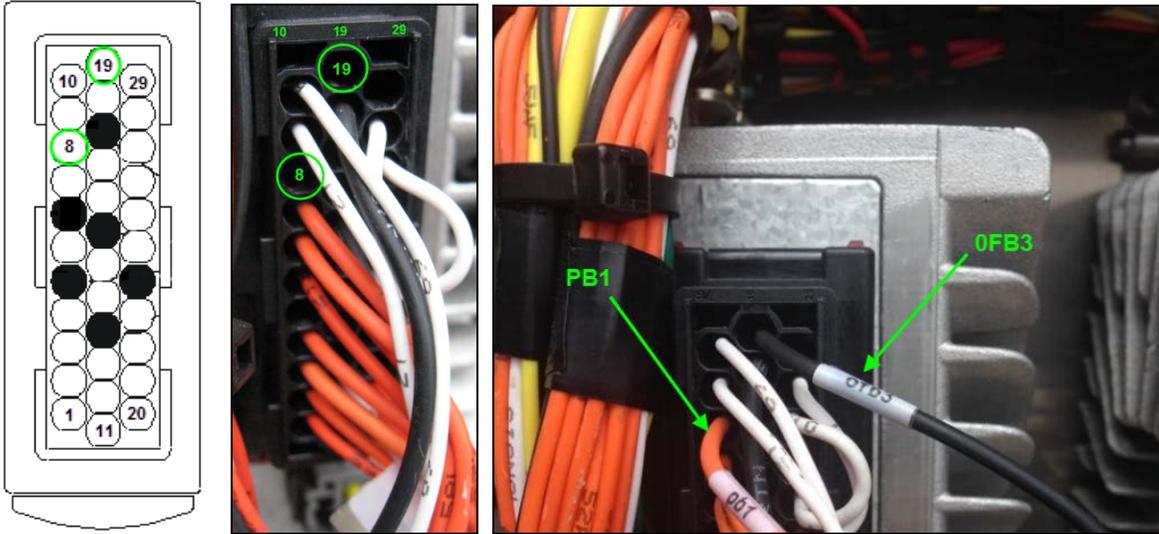
2. Install LED indicator 565954 and cover 565955 in one of the unused switch opening (dummy switch cover) in the left section of the dashboard (See example below).



3. Connect supplied 069155 wiring harness at the back of the indicator and route the wires toward the front electrical compartment.
4. In the front electrical compartment, locate the A45 module



5. Connect orange PB1 wire in position 8 (PIN8) of the A45 module.
6. Connect black 0FB3 wire in position 19 (PIN19) of the module.



7. Reinstall and fasten the dash cover.

**STEP 2**

**MULTIPLEX PROGRAMMING**

**Alarm operation conditions**

- Park brake alarm parameter ON: YES
- Vehicle speed: > 3 km/h (1.9 mph)
- Transmission (type): Allison
- Transmission (state): Neutral
- Delay: 2 seconds
- Parking brake: not applied
- Service brake: not applied

1. Make sure that the option is available for the specific vehicle. Currently, only OBD13 and US10 X3 Series vehicles are covered.

Consult the list below for a list of the available software. (Make sure that chosen the revision is higher than the introduction revision).

Application	Program	Intro Revision
X3-45 OBD13	06100058	P21
X3-45 MCM retrofit	06100051	P05
X3-45 MCM US10	06100044	P27
X3-45 US10	06100046	P12
X3-45 EPA 2010	06100034	P08

2. Open VPG and validate the software number for the specific vehicle.

Prevost Vehicle Program Generator (VPGLocal)

File View Execute ?

Vehicle ID# **e-5526** Search

Messages: RECOMMENDATION: Generate and Transfer the Multiplex program!  
Vehicle generic program has changed since last generation!  
Parameter(s) have been added or deleted!

General | Vehicle Parameters | Program Generation | Transfer to the Vehicle

Next >>

**Vehicle Info**

VIN #:	2PCG33497EC735526	Vehicle Type:	X3-45	Software ID as shown in the Vehicle MCD
Sales Order:	0004045266 000010	Statut:	In Service	MID 188 SW ID
Production Order:	000007015975	Production Date:	2013/08/21	70403450P02*06100058
				P19*00145526A05*

**Vehicle Events Data**

	Current Data	Last Generation	Last Transfer
User name:	Jean Ruel (Service Rep.)	snigarage (Technicien)	snigarage (Technicien)
Date/hour:	2014/05/27 09:50:35	2014/03/07 03:39:10	2014/03/07 03:49:00
Parameters:	00145526 Rev:A05	00145526 Rev:A05	00145526 Rev:A05
Program/Date:	<b>06100058 Rev:P21 2014-04-23</b>	06100058 Rev:P19 2013-12-11	06100058 Rev:P19 2013-12-11

Description: add P\_AcRecFmi ( disable fmi 5 pass recirculation damper) and P\_PbrkAlrmIgn ( park brake alarm with ign on) - func 06200339 P05 to P07 // add park brake alarm logic when ign on - func 06200346 P06 to P07 // add idle shut down on fast idle parameter and B\_DPFRegenStat to fast idle ready output - func 06200311 P03 to P04 // add B\_AcRecFmiPar to disable fmi 5 - func 06200335 P03 to P03 // add PPRCALM\_0 and PDEFMTC\_0 // func 06200114 P06 to P07 - add O\_PbrkAlrm for park brake

- Go to parameter menu and set parameter **PBKALM** (Park brake alarm with ignition) to "YES".

The screenshot shows a software interface for comparing parameter values. At the top, there are two dropdown menus: 'Previous Value' and 'Current Value', both set to 'Previous Value'. Below this is a table titled 'Vehicle Parameters' with columns: Para, Description, S, Default Value, Previous Value, Current Value, and New Value. The row for 'PBKALM' is circled in red. A dialog box titled 'PBKALM - Park brake alarm with ignition on' is overlaid on the table, with a dropdown menu set to 'Yes' and 'Select' and 'Cancel' buttons.

Para	Description	S	Default Value	Previous Value	Current Value	New Value
IDLFST	Idle shut down on fast idle	N	No			No
IDLSDE	Idle shut down enabled		No	No	No	No
IDLSDN	Idle shut down timer		900 sec	900 sec	900 sec	900 sec
KNEEAL	Kneeling Up Alarm		No	No	No	No
KNEELI	Kneeling		Yes	Yes	Yes	Yes
LMPWSH	Head Lamps Washer		No	No	No	No
LUGLUK	Remote Luggage Door Lock		Yes	Yes	Yes	Yes
NEWJER	State: New Jersey		No	No	No	No
<b>PBKALM</b>	<b>Park brake alarm with ignition on</b>	N	No			No
PRCKAC	Parcel Rack With A/C					Yes
RECFMI	Disable fmi 5 Pass AC rec					No
RRBUOY	Rear High Buoy Function					No
STORM	X3 Back lighting 2014					No
TPMSSY	TPM System					Yes
TRASMI	Transmission					Allisson
VEHMOD	Vehicle Model					X3
WCHLIF	Wheel Chair Lift					No
XENONL	Head Lamp Xenon					Yes

- Generate the program.
- Transfer to vehicle.
- With the ignition set at the "ON" or "accessories" position, validate proper alarm operation according to the conditions listed at the beginning of part 2.

**NOTE**  
If the working conditions are met, the alarm will be heard and the LED indicator will start to flash