

SAFE LOAD PROGRAMS

PARK BRAKE DOOR ALARM COMPLIANCE DOCUMENT – UPDATED APRIL 2014

This document has been developed by Safe Load Program (SLP) to provide Authorised Inspection Locations (AIL's) and Dangerous Goods Transport Operators/Owners with SLP's interpretation of the requirement to install vehicle park or maxi brake door alarms.

SLP has no distinct requirement for the park brake alarm system to be fitted to vehicles in any particular configuration other than the following requirements;

- The park brake alarm system must be an OME (Original Manufacturer Engineered) factory fitted device or fitted by persons qualified in vehicle air brake and vehicle electrical systems if either the air brake or electrical systems are modified (see note below).
- The alarm system will activate the vehicle audible warning device (preferably the truck horn or an in-cabin alarm) that is **clearly audible within 3 metres** of the exterior of the vehicle cabin with the vehicle engine running.
- The vehicle warning device or in-cabin alarm must activate when the vehicle driver door is opened, and the vehicle park brake has not been fully applied.
- The vehicle warning device or in-cabin alarm must remain active when the vehicle ignition switch is in the off position

Important note: Automatic Park Brake Devices

A factory fitted (OME) device that automatically applies the vehicle parking brake if the driver's door is opened when the vehicle is either stationary or moving at very low speed, meets the SLP Pass-2-Load inspection requirement for vehicle drive / roll-away protection.

If this type of auto park brake device is OME installed then there is no requirement by SLP to also install a park brake door alarm system.

Glossary

- *Warning Device*
 - *Horn*
 - *Audible Alarm*
- *Vehicle Park Brake*
 - *Maxi brake*
 - *Tractor brake*
 - *Prime Mover brake*

The majority of park brake systems are equipped with an electrical output that can be connected via a relay with the driver's door in-cabin light switch. The output from the relay should then be connected to the vehicle warning device.

This particular method can be the simplest and most cost effective to install.

Authorised Inspection Location's Test Procedure

Testing the park brake door alarm testing method;

1. *Safely enter the vehicle-
(or ask the driver to enter the vehicle and conduct the test for you)-*
2. *Sit in the driver's seat-*
3. *Close the driver's door fully-*
4. *Ensure the park brake is properly engaged-*
5. *Place your foot on the vehicle brake pedal-*
6. *Release the vehicle park brake-*
7. *Open the driver's door-*

The vehicle park brake audible alarm should now be activated

1. *Close the driver's door-*
2. *Apply the vehicle park brake fully-*
3. *Take your foot off the vehicle brake pedal-*
4. *Open the drivers doors-*
5. *Exit the vehicle safely-*