



ANTI-ROLLAWAY BRAKE SYSTEM

PROVIDING A SAFER WORK ENVIRONMENT

MAX·SAFE  | MAXIMUM
SAFETY
MADE BY **SGESC**  **MAX**





ANTI-ROLLAWAY BRAKE SYSTEM

OVERVIEW

The **MAX-SAFE Anti-Rollaway Brake System™** provides an active safety solution in the event of a driver neglecting to fully apply the park brake before leaving their vehicle.

It's easy to forget to apply a park brake; and the added chaos of deliveries, schedules, unfamiliar locations, darkness, and tiredness only increases the chance of forgetting. A distracted driver at the end of their shift is at the highest risk of being forgetful – leading to mistakes – which can ultimately lead to injury or even death.

The MAX-SAFE Anti-Rollaway Brake System provides early pre-warnings of any potential danger to the driver or any people in the vicinity of the vehicle. Then, if the driver leaves the cabin without fully applying the parking brake, the **MAX-SAFE Anti-Rollaway Brake System** activates immediately to prevent the vehicle from rolling away – creating a safe environment.

Warnings are provided by both audible and visual alarms triggered to notify of the potential danger.

The system is not designed to replace a traditional park brake, which remains the responsibility of the driver to secure before exiting, but the **MAX-SAFE Anti-Rollaway Brake System** provides insurance against driver oversight.

Available for both pneumatic and mechanical park brake type vehicles, the **MAX-SAFE Anti-Rollaway Brake System** is perfect for commercial vehicles of all kinds.

The MAX-SAFE Anti-Rollaway Brake System – designed for heavy vehicles, to provide insurance against driver oversight.

BENEFITS

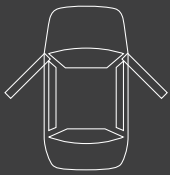
- ◆ **SAFETY OF PERSONNEL** around the vehicle.
- ◆ **PROTECTION** of the vehicle and equipment.
- ◆ **INSURANCE** against driver oversight.
- ◆ **CONTINUOUS MONITORING** of multiple conditions.
- ◆ Both **VISUAL** alerts and **AUDIBLE** warnings.
- ◆ Intelligent logic with **SELF-CHECKING** to ensure system integrity.
- ◆ **ADR COMPLIANT** solution.
- ◆ **QUEENSLAND GOVERNMENT APPROVED** (TA.022 and TA.034).
- ◆ Optional **REVERSE WATCH MODULE** for additional safety.
- ◆ Part of the MAX-SAFE **SAFETY ECO-SYSTEM**.



HOW IT WORKS

A state-of-the-art microprocessor continuously monitors multiple inputs to determine the possibility of the vehicle rolling away.

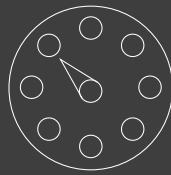
INPUTS MONITORED INCLUDE:



DOOR
POSITION
SENSOR



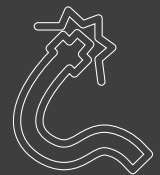
PARK
BRAKE
POSITION
SENSOR



VEHICLE
DATA



SEAT
SENSOR



VEHICLE
ELECTRONIC
CAN
DATA

When the vehicle is at low speed, the park brake is monitored to ensure that it is FULLY applied – a dedicated lever position sensor is installed to test for this condition. In mechanical type park brake systems, the original park brake switch will activate even if the park brake lever has only just been slightly applied and delivers a negligible braking effectiveness. Systems that only utilise warnings (audible/visual) to alert the driver leave the vehicle in an unsafe state.

The system monitors if the door is opened, when someone may be exiting the vehicle. If this is detected, the park brake is not automatically applied, but the **MAX-SAFE Anti-Rollaway Brake System** sounds a warning. If the driver leaves his seat and exits the vehicle, the **MAX-SAFE Anti-Rollaway Brake System** activates immediately; sounding an external horn with a solid ongoing alarm, turning the warning LED on, and continuously sounding the internal buzzer – the park brakes are then applied, and the vehicle is prevented from rolling away.

THE SYSTEM INCLUDES THREE TYPES OF WARNINGS:

- Visual LCD or LED display unit
- An audible alarm within the vehicle
- An external horn or siren, to warn people outside the vehicle who could potentially be in harm's way

The unit also has an in-built CAN Bus interface, allowing the system to collect relevant information from the vehicle's CAN or OBD diagnostic system to help with detecting an unsafe situation.

**The MAX-SAFE Anti-Rollaway Brake System –
providing a safer work environment.**



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MADE BY **SGESCO**  MAX

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("SGESCO-MAX"):

- ◆ MAX-SAFE Maximum Safety®
- ◆ MAX-SAFE Reverse Watch®

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