



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



# LIFECYCLE MAINTENANCE

ENSURE SAFETY, OPTIMISE ASSET UPTIME AND LIFE OF MAX-SAFE SOLUTIONS

# Lifecycle Maintenance

## OVERVIEW

The **MAX-SAFE Anti-Rollaway Brake System™** and the **MAX-SAFE Reverse Watch®** are two key safety solutions from SGENCO-MAX which, like any vehicle safety system, require maintenance to ensure all aspects function as designed at all times.

The **MAX-SAFE Anti-Rollaway Brake System** actively brakes a vehicle if a driver neglects to fully apply the park brake before leaving their vehicle.

The **MAX-SAFE Reverse Watch** system is a sophisticated reversing sensor system that detects objects and people at the rear of a vehicle and works in combination with our braking system to prevent unsafe situations.

Together, they help reduce the incidence of vehicle downtime, insurance claims, personal injury, or death. Both come standard with 12 months warranty.

Maintenance of these two solutions is essential to ensure:

- optimal functionality of both solutions throughout their life in order to protect people and property and
- minimal vehicle downtime due to critical safety componentry failure.

Accordingly, it is recommended that MAX-SAFE safety solutions undergo three maintenance measures throughout their lifecycle:

1. Routine Checks
2. Preventative Maintenance
3. Corrective Maintenance

Routine Checks are done by the vehicle operator and via the vehicle manufacturer service schedule. While Preventative Maintenance and Corrective Maintenance are carried out by SGENCO-MAX's authorised Dealer Network, using genuine SGENCO-MAX parts and testing protocols.

**MAX-SAFE Lifecycle Maintenance is recommended for heavy vehicles using MAX-SAFE braking and reversing solutions to ensure safety.**

## BENEFITS

- ◆ **MAXIMISE LIFE** of safety solutions
- ◆ **MAXIMISE INVESTMENTS** in safety solutions
- ◆ **PROTECTION** of people and property
- ◆ **PEACE OF MIND** knowing solutions function as designed, year after year
- ◆ **GREATER RELIABILITY** due to current componentry
- ◆ **QUALIFIED TECHNICIANS** maintaining **MAX-SAFE** solutions



# RECOMMENDED MAINTENANCE

## ROUTINE CHECKS

Routine Checks should be performed on a regular basis:

- **Daily, by the vehicle operator**, to ensure the MAX-SAFE system componentry is functioning correctly prior to commencing work. Our Operational Functionality Guide, to be found in the cabin of every vehicle fitted with a MAX-SAFE safety solution, has a Daily Test Procedure for the driver to undertake. We also offer an Operator Check-in App which can be used on a Smartphone.
- **Per Vehicle OEM service or major maintenance service schedule** to ensure the vehicle's park Brake is operating correctly and that the MAX-SAFE system activates per the design. This should be undertaken by a qualified technician using our Systems Confirmation Tests.

## PREVENTATIVE MAINTENANCE

Preventative Maintenance is a scheduled service designed to replace heavily-used components on a predetermined timeline (i.e. every 2, 4, or 6 years) to optimise the system componentry to maintain maximum safety.

Our dealer network has access to our range of Genuine Preventative Maintenance Kits which are covered by our manufacturer's warranty, from time of installation, ensuring system and consumer confidence.



## CORRECTIVE MAINTENANCE

Corrective Maintenance replaces any componentry that may fail during operation. If a vehicle is operated and maintained via routine checks and preventative maintenance, the need for corrective maintenance should be rare.

All Corrective Maintenance should be carried out by a SGESCO-MAX Authorised Dealer whose certified technicians will have access to the latest SGESCO-MAX library of supporting documentation to help with fault finding and diagnosis in a timely and cost-effective manner. Corrective Maintenance is covered by our Standard Warranty if a product fails within 12 months of installation.

# MAINTENANCE UNDER WARRANTY

Any MAX-SAFE solution comes with a Standard Warranty for 12-months and unlimited kilometres.

SGESCO-MAX offers Extended Warranty that can be purchased within the first 12 months to provide cover for an additional 6 years, to match a typical 7-year vehicle contract. It can be paid in full during the first 12 months or on an annual basis.

**Preventative Maintenance is included in Extended Warranty, thus helping to ensure the life of MAX-SAFE solutions and replace any componentry at the end of its lifecycle.**

**The Extended Warranty covers the main components, including:**

- Main Electronic Control Unit (ECU)
- Solenoids, Valves and Actuators
- LED & LCD Displays

- Switches and Seat Membranes
- Tonal Alarms
- Radars

It does not include the wiring harness, consumables, or damage caused through day-to-day activities, accidents etc. Our Extended Warranty also includes online tools for vehicle operators (drivers) to ensure they are suitably trained in the operation of MAX-SAFE safety solutions.

Extended Warranty pricing is provided along with the purchase price of a MAX-SAFE safety solution. Any organisation that takes up Extended Warranty will have their MAX-SAFE solution's lifecycle maintained by the SGESCO-MAX authorised dealer who installed it; this includes preventive service notifications.

# MAX-SAFE SYSTEMS LIFECYCLE PREVENTATIVE MAINTENANCE SCHEDULE AND RECOMMENDED STANDARD TIMES

GENERIC	COMPONENT	PROCESS OR PART #	STD TIME	YEAR									
				1	2	3	4	5	6	7	8		
	SYSTEM CONFIRMATION CHECK	Confirmation Check (EVERY 250 – 400 Hrs)	30 min										
	SEAT MEMBRANE	07SEATMEMBV5SCWH 07SEATMEMBV5DCWH (DUAL X 2)	45 min 75 min				1						1
	TONAL ALARM	07CT-470TAK	20 min				1						1
	LED DISPLAY	07MSBSLEDD	20 min										
	ECU ASSEMBLY	GENERIC BASED ON IVECO ACCO 310	60 min										
	GPS ANTENNA	22HMGA0M1SMA1.5	40 min				1						1
	DOOR SWITCH <small>TO BE SOURCED BY THE MAINTENANCE CONTRACTOR</small>	Single Dual (X 2)	15 min 30 min		1		1			1			1
	LCD DISPLAY		10 min		1		1			1			1
<b>MSB PNEUMATIC (Specific)</b>													
	SOLENOID VALVE ASSEMBLY	GENERIC	60 min				1						1
	PRESSURE RESET SWITCH	B40110403043012	20 min		1					1			1
	SEAT PRESSURE SWITCH (V4 ONLY)	070110408043032S	20 min		1		1			1			1
	SEAT PRESSURE SWITCH (V4 ONLY)	070110408043032S (DUAL X 2)	40 min		1		1			1			1
	SEAT SYSTEM SHUTTLE VALVE V4 (DUAL ONLY)	54T65C1800	30 min		1		1			1			1
<b>MSB MECHANICAL (Specific)</b>													
	LINEAR ACTUATOR 24V	16303100-00050025	120 min				1						1
	LINEAR ACTUATOR 12V	16302100-00050225	120 min				1						1
	PARK BRAKE CABLE	GENERIC	40 min				1						1
<b>REVERSE WATCH</b>													
	SYSTEM CONFIRMATION CHECK	Confirmation Check (EVERY 250 - 400 Hrs)	30 min										
	SENSOR	RWBS-8000S	45 min										
	DISPLAY	RWBS-8000D	60 min										
	RESET PUSH BUTTON SWITCH	RWMSRWPBS19&WH RWMSRWPBS19&WH (DUAL X 2)	30 min 40 min				1			1			
	HOOK (Specific)												
	SYSTEM CONFIRMATION CHECK	Confirmation Check (EVERY 250 - 400 Hrs)	30 min										
	PROXIMITY SWITCH	30IGM208	15 min				1			1			
	RELAY 24V	43 0332207402	30 min				1			1			
	RELAY 12V	436-1419137-4	30 min				1			1			

-  +61 7 3715 3715
-  info@sgescomax.com.au
-  www.maxsafe.com.au
-  17 Rodwell St, Archerfield Q 4108  
PO Box 998, Archerfield Q 4108

-  Monday to Friday, 7.30am to 4.30pm
-  MAX-SAFE Support Assistance
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**MAX-SAFE** | MAXIMUM SAFETY  
MADE BY **SGESCO-MAX**

The following are registered trademarks of STARTER & GENERATOR EXCHANGE SERVICE PTY LTD ("SGESCO-MAX"):

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

The following are trademarks of STARTER & GENERATOR EXCHANGE SERVICE PTY LTD ("SGESCO-MAX"):

- ◆ MAX-SAFE Anti-Rollaway Brake System™
- ◆ MAX-SAFE Reverse Watch Hook-Lift Option™
- ◆ MAX-SAFE Reverse Watch Trailer Option™
- ◆ MAX-SAFE Seatbelt Warning System™
- ◆ MAX-SAFE Forklift Safety Products™
- ◆ MAX-SAFE Speed Limiting™
- ◆ MAX-SAFE Location Speed Limiting™
- ◆ MAX-SAFE Side Watch™
- ◆ MAX-SAFE Corner Watch™
- ◆ MAX-SAFE Front Watch™
- ◆ MAX-SAFE Engine RPM Control™
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