



MAP80

ALARM/IMMOBILISER 'UPGRADE'

For vehicles with existing factory remote controlled central locking

MAP80S ★★★★★

MAP80G ★★★★★

OPERATION MANUAL 5 YEAR WARRANTY

These products should be installed according to the requirements of the
AS/NZS 3749.2 Installation Standard.
Installation should only be carried out by suitably qualified persons.

ARMING

- ❑ Exit the vehicle and ensure all doors, bonnet & boot are closed.
- ❑ Press the 'lock' button on your vehicles remote control.

The siren will chirp once and the lights will flash once to indicate that the system is fully armed.

The alarm's dash board warning light (LED) will slow flash to indicate the system is armed.

If the automatic engine immobiliser (if programmed ON) has armed before you wished to lock the vehicle, just press the 'lock' button – the alarm then fully arms when the doors lock.

DISARMING

- ❑ Press the 'unlock' button on your vehicles remote control.
(The siren will chirp twice and the vehicle lights will flash twice.)
- ❑ If a door is not opened within 30 seconds, the system will automatically re-arm (& re-lock if the vehicle itself has this function or this system has been installed for this function).
- ❑ If the alarm was activated whilst you were away, the siren will chirp 4 times and the lights will flash 3 times as a warning. The dashboard LED will flash a code indicating the what circuit activated the alarm.

Note: *If you have triggered the alarm by opening the car door with the ignition key you may have to close all doors and then lock & unlock the vehicle with the cars remote to turn the alarm off as some factory remotes do not operate with a door open.*

AUTOMATIC SECURITY RE-ARM *This feature cannot be turned off.*

Many factory systems will re-lock the doors if they are not opened within a certain time of unlocking by remote control. When the doors re-lock, this security system will re-arm at the same time.

If your vehicle does not automatically re-lock the doors, this security system will still automatically re-arm after 30 seconds if a door has not been opened. This feature may not necessarily operate if your vehicle turns on the interior dome light upon unlocking.

The security system has the ability to re-lock the doors if your vehicle does not have this function. Discuss this option with your security system installer.

OPEN CIRCUIT BYPASS

If any door, the bonnet or boot is left open when you arm the system, the siren will chirp once to signify the system is armed and then chirp again to inform you that something is still open. The dash mounted LED will flash a code for 30 seconds informing you what is open (see LED flash codes). If ignored, that open circuit will not be protected. The open circuit will automatically arm upon closure.

SILENT ARM (no siren chirps)

The system can be programmed not to chirp the siren upon arming and disarming. See programming options section. Programmes should only be changed by the installer.

AUTOMATIC 'DUAL CIRCUIT' ENGINE IMMOBILISATION

This feature is factory set to 'off' as most vehicles have their own automatic engine immobiliser. If your vehicle does not have an automatic engine immobiliser then this feature can be programmed ON. It may also have to be programmed on to comply with state or government legislation, AS/NZS Standards or your insurance company requirements.

When programmed ON, the engine will be automatically immobilised 30 seconds after the ignition has been turned off. The dashboard LED will start to fast flash for 30 seconds to indicate the automatic sequence has commenced. At the end of the 30 seconds, the siren will chirp once, the lights will flash once and the dashboard LED will slow flash as confirmation of immobilisation.

Only the engine is immobilised - the alarm system is not armed and the doors are not locked !

If an attempt is made to start the engine after it has automatically immobilised, but the vehicle not locked via the remote, the siren will chirp warnings when the ignition is on.

If fully locked and armed by remote, the siren sounds fully if you attempt to start the engine.

ONCE IMMOBILISED, PRESS YOUR REMOTE 'UNLOCK' BUTTON TO PERMIT ENGINE STARTING.

IF YOU WISH TO LOCK THE DOORS AND ARM THE ALARM PRESS THE 'LOCK' BUTTON ON YOUR REMOTE.

SECURITY PROTECTION

IGNITION, BONNET, BOOT & DOORS – 30 second siren – 60 second light flash

When armed, the siren will sound for 30 seconds and the lights will flash for 60 seconds when an intrusion is detected.

If a door, bonnet or boot has been opened and left open, the siren will sound for 90 seconds (3 x 30 seconds) and the lights will flash for 150 seconds. The open circuit will then be bypassed to prevent excessive noise.

(If programmed for NSW, the siren will sound once only for 30 seconds on any circuit triggered. Subsequent triggers just flash the lights)

The system does require your vehicle to be fitted with courtesy light door switches for these to trigger the alarm. Fitting or replacing door switches may incur additional charges.

2 STAGE IMPACT SENSOR ('S' & 'G' MODELS)

This sensor is designed to detect impact to the vehicle such as to the bodywork or glass. It is not triggered by normal wind or rocking motions.

- ❑ If the sensor detects a light impact, the siren will sound a few warning chirps (max' 3 triggers – see 'noise pollution').
- ❑ If the sensor detects a heavier impact, the analyser circuit will determine this and sound the siren for 30 seconds and flash the lights. (max' 3 triggers – see 'noise pollution')

The sensitivity is set by the installer and should be at its optimum. Over sensitivity may cause false alarms. (This type of sensor may not prevent wheel theft, so we advise the fitment of our electronic tilt sensor and/or locking wheel nuts)

GLASS BREAK SENSOR ('G' MODELS)

This sensor is designed to detect actual glass breakage by 'hearing' the glass break. It should not be triggered by normal wind, rocking motions or non-metallic knocks.

The sensitivity is set by the installer and should be at its optimum. Over sensitivity should be avoided to reduce the likelihood of false alarms.

ULTRASONIC SENSOR (optional accessory – MUM80)

The ultrasonic sensor fill the interior of your vehicle with high frequency sound and is designed to trigger the alarm when the interior environment changes. Possible changes are the breaking or removal of glass, a door being opened, or even strong wind through a slightly open window.

For the ultrasonic sensor to operate correctly ensure all doors and windows are closed when arming the alarm system. (False alarms are generally created by open windows or even strong wind through the air vents)

Due to the efficiency of this type of sensor, we advise that you do not leave people or animals inside the vehicle as any movement will trigger the alarm.

MICROWAVE SENSOR (optional accessory – MMW80D)

The microwave sensor is designed to trigger the alarm when a microwave field registers physical movement. Two fields are generated, one outside the vehicle to give perimeter protection and one inside to give interior protection.

Intrusion into the outer perimeter area chirps the siren as a warning, whilst intrusion into the interior fully sounds the siren. The fields are adjustable for size and should have been set by the installer at their optimum. It is advisable to limit the exterior field to about the width of the door mirrors and the interior to approximately $\frac{3}{4}$ of the vehicle width to avoid false alarms.

Depending on where the sensor is mounted, do not cover with metal objects such as keys or CD's as this may cause false alarms or incorrect operation.

Do not leave people or animals inside the vehicle as any movement will trigger the alarm.

Note: As the microwave produces circular protective fields, some areas of the vehicle may not be protected due to it's size and shape.

BOOT BYPASS – optional (where a vehicle has boot release on the factory remote)

If your factory remote has a boot open facility, the boot circuit and sensors will be bypassed if the boot is opened by this method. Closing the boot re-arms the boot circuit and the sensors after a 10 second delay. NOTE: The boot is not bypassed if opened by any other method.

INTRUSION ALERT

If the alarm was triggered whilst you were away from the vehicle, the siren will chirps 4 times upon unlocking (disarming). Refer to the 'LED flash codes' to show how the alarm was triggered.

BATTERY BACK-UP SIREN

Vehicle battery disconnection will cause the battery back-up siren to sound. The siren can be turned off with the special keys provided. Turning off the siren does not deactivate the alarm or immobiliser.

The siren is mounted under the bonnet and should be situated in a place to protect it from heat and water damage. Driving through deep water or puddles may cause water splashes, so caution is advised.

If washing the engine bay, cover the siren with a plastic bag to prevent water damage.

Heat or water damage is not covered by the product warranty.

AUTOMATIC RE-SET

Upon an intrusion (ie; door opened and closed), the siren will sound for 30 seconds, after which it will stop and reset to the armed position. It will then re-trigger on the next intrusion.

If a door is left open, the siren will sound for 3 x 30 seconds and then that individual circuit will be bypassed to avoid unnecessary noise. Other circuits remained armed.

ARM CONDITION MEMORY

Should the vehicle battery be disconnected, the system memorises the last set position of the alarm. If the alarm was disarmed and the siren turned off prior to battery disconnection, reconnection does not cause the alarm to sound. If the battery was disconnected whilst the system was armed, reconnection will return the system to the armed state. (See 'battery back-up siren')

NOISE POLLUTION CONTROL

To reduce noise nuisance and possible false alarms, the system will isolate an individual circuit if it is triggered more than three times or is left open.

Eg: 3 x bonnet, 3 x boot, 3 x doors, 3 x ignition, 3 x impact sensor, (3 x other sensors if fitted)

Reset by remote by disarming and then re-arming. Turn ignition ON/OFF will re-set LED intrusion codes.

VEHICLE LIGHTS FLASHING (FUSE PROTECTED)

When the siren sounds, the lights flash simultaneously. The lights may be indicators or parking lamps depending on the type of vehicle.

The lights will also flash on arming and disarming the system. These may be programmed off if the vehicle flashes the lights as confirmation of locking and unlocking.

- a) 1 Flash - Armed.
- b) 2 Flash - Disarmed.
- c) 3 Flash - Disarmed and previously triggered.

LED - DASH MOUNTED WARNING LIGHT

The LED shows the status of the alarm, intrusion and any open circuit when arming.

- a) Fast flashing - 30 second countdown of automatic functions.
- b) Slow flashing - system armed.
- c) LED off - system off (automatic arming functions programmed off).
- d) 1 flash, pause - bonnet is open or triggered.
- e) 2 flash, pause - boot is open or triggered.
- f) 3 flash, pause - a door is open or triggered.
- g) 4 flash, pause - impact sensor has been triggered.
- h) 5 flash, pause - engine start attempted
- i) 6 flash, pause - glass break sensor (or optional sensor) triggered

CHIRP CONFIRMATION & CODES

- a) 1 Chirp - Arm.
- b) 1 Chirp, 2nd chirp - Indicates an open circuit when arming.
- c) 2 Chirps - Disarmed.
- d) 4 Chirps - Disarming and indicates that the alarm has been triggered.
- e) Continual chirps - Ignition is on when the engine is immobilised

EMERGENCY OVERRIDE – 4 DIGIT PIN CODED

If all remotes are lost or inoperable, the system can be disarmed by entering your the unique 4 digit PIN code issued with this product.
KEEP THE CARD IN A SAFE PLACE – NOT IN THE VEHICLE !



Following is an example using PIN code **4525**

The code is entered by turning the ignition ON or OFF in sequence with the dash mounted LED.

- 1) **Ignition ON** - LED will light permanently to commence override.
- 2) **Ignition OFF** - LED will start flashing. Count the number of flashes for the first number.
- 3) **Ignition ON** - after 4 flashes (1st number of the example). The LED will light.
- 4) **Ignition OFF** - count the number of flashes.
- 5) **Ignition ON** - after 5 flashes (2nd number). The LED will light.
- 6) **Ignition OFF** - count the number of flashes.
- 7) **Ignition ON** - after 2 flashes (3^d number). The LED will light.
- 8) **Ignition OFF** - count the number of flashes.
- 9) **Ignition ON** - after 5 flashes (4th number).
- 10) **The system will now disarm and the vehicle can be started.**

Note: If your PIN code contains a "0", this equals '10'.

Should you miss the LED flashes or enter a digit incorrectly, wait for 11 flashes and simply repeat the procedure from step 1).

This system will always automatically immobilise the engine every time the ignition is turned off. This override sequence will have to be used until the remotes are repaired or replaced.

CHANGING THE OVERRIDE PIN CODE To be carried out by installers only.

Your security system is pre-programmed with a unique 4 digit PIN code as shown on the 'PIN code card'. You may wish to change the PIN code to your own number which is easier to remember.

ONCE CHANGED, THE FACTORY CODE IS PERMANENTLY ERASED.

1. Disarm the system using the remote control.
2. **Disconnect all power feeds** *including the central locking connections* to this system for 10 seconds (or disconnect the car battery – radio pre-sets/code will have to be re-set).
3. Reconnect the power and turn the ignition ON then OFF once.
4. Open & close the door (or press door switch in and out) 5 times and leave closed.
The siren will give one long chirp and the lights will stay on to show commencement of the learning mode.
If the code you desire is, for example, 4-3-6-1
5. Turn ignition ON.
6. The LED lights for 3 seconds and then starts to slow flash.
7. Allow the LED to flash four times for the first digit (4), then turn ignition OFF.
8. The LED will light for 2 seconds to confirm 1st digit input.
9. Turn the ignition ON and the LED starts to slow flash again.
10. Allow the LED to flash three times for the second digit (3), then turn ignition OFF
11. Repeat steps 6 & 7 for the 3rd digit (6) & 4th digit (1).
 - After the last digit is accepted the PIN code learning programme will cease.
 - (Turning ON the ignition & opening a door will also cancel this learning mode)
 - Arm the system and test the override pin code for correct operation.
 - Amend the PIN code card with the new number, but do not leave in the vehicle !
 - If you sell the vehicle, either re-programme the PIN or inform the new owner of the PIN code you chose.

PROGRAMMABLE FEATURES

The MAP80 can be customised to suit almost any vehicle or enable/disable certain features. These should only be changed by the installer.

WARNING: Disabling certain features infringe insurance company or AS/NZS Standards requirements.

SIREN CHIRPS (default = ON)

The chirps can be permanently turned off. Only the lights (park or indicators) confirm the arming and disarming. The siren still sounds upon alarm activation.

IGNITION SAFETY DOOR LOCK (default = OFF)

If the system has been optionally connected to a vehicles' central locking, the doors will lock 3 seconds after the ignition is switched 'on' and unlock immediately when the ignition is turned 'off'.

If a door is left open whilst starting the engine this feature will be bypassed.

SIREN OR HORN (default = SIREN)

'Siren' output is when this system is connected to an electronic siren. 'Horn' output is where this system is connected to the vehicle's own horn and not to a siren.

DOOR DIAGNOSTICS (default = ON)

If a door, bonnet or boot is left open when arming, the siren chirps once for ARM then after a short pause, chirps a second time to signify a circuit is open. Some vehicles may not allow locking when a door is open. If false signals are produced to the dome light delay, this feature should be turned off.

NSW SIREN TIMING (default = OFF)

It is a mandatory requirement in New South Wales, Australia, for vehicle alarm systems to sound the siren for one cycle of 30 seconds only before it is re-set manually by remote control. With this feature turned on, only the lights flash for any subsequent trigger.

LAST DOOR ARMING (default = OFF)

When programmed ON, the alarm will arm automatically 30 seconds after the last door is closed.

AUTOMATIC DOOR LOCK (default = OFF) – optional fitment

The doors will lock automatically 30 seconds after the last door is closed.

WARNING: DO NOT LEAVE THE KEYS IN THE CAR !

This feature only operates if 'last door arming' above has been programmed ON.

PERIMETER NITE-LITE (default = OFF)

Upon disarming, the indicators will stay permanently lit for 15 seconds to provide perimeter illumination. Ask the installer to verify that the power consumption of all the indicators is within the tolerance of this product- maximum 6 amps per side.

AUTOMATIC ENGINE IMMOBILISATION (default = OFF)

This must be programmed on if your vehicle is not equipped with an automatic engine immobiliser.

TURBO FUNCTION (default = OFF)

This allows for an aftermarket turbo timer, not supplied, to be installed with this security system.

With the engine running from a turbo timer, you can arm the bonnet, boot & doors and lock the doors with the remote control. *NOTE: Some vehicle remotes do not permit door locking with the engine running, so this function may be inoperative.*

When the turbo timer times out and the engine stops, the immobilisers and any connected sensor become active after a 10 second delay. Any intrusion whilst the engine is running will sound the alarm and immediately immobilise the engine.

LIGHT FLASH CONFIRMATION (default = ON)

The light flash can be programmed off if the vehicle already flashes lights as confirmation of locking and unlocking. With this feature off, the lights will flash during an alarm condition.

For correct operation, only Mongoose installers should programme your security system.

TESTING YOUR ALARM

We strongly recommend that you frequently test your alarm.

- 1) Without disarming the system, unlock and open a door with the ignition key - the alarm should sound and the lights flash. Check all other doors, bonnet and boot by the same procedure – you may have to leave the windows open in order to open the other doors from the inside.
- 2) Check the impact sensor by giving the vehicle varying degrees of impact - be careful to do this on areas of the vehicle not likely to be damaged by impact. Light impacts should chirp the siren whilst heavier impacts should fully sound the siren.
- 3) Check the glass break sensor (MAP80G) by tapping the glass with a 50 cent coin. Varying degrees of tapping should be tried to see the level of sensitivity. Be careful not to break the glass !
- 4) Enter the vehicle and shut all doors, arm the system by remote and try to start the engine to test the engine immobiliser - it should not start and the siren should sound.
- 5) To test the optional ultrasonic sensors, if fitted, enter the vehicle, shut all doors and windows, arm the system and allow it to stabilise for 10~20 seconds. Now wave or clap your hands – the alarm should sound.
- 6) To test the optional microwave sensor, if fitted, arm the system and wait at least 10~20 seconds for the sensor to stabilise. Moving a hand over the outside of side windows should chirp the siren.

To test the perimeter field size, repeat this movement on the outside of all glass areas.

To test the interior, leave a window open and reach in and wave an arm around - the siren should fully sound.

PROGRAMMING PROCEDURE – ONLY TO BE CHANGED BY AUTHORISED INSTALLERS

1. Disarm the system. Ensure the drivers door is open
2. Within 10 seconds of opening the door, turn the ignition ON/OFF quickly the number of times relative to the programme chart (eg: 5 times for siren chirps).
3. After 1.5 sec, siren will then chirp and lights and LED will flash the same number of times as the programme number to confirm programme number selected.
4. If the selected feature is already set at 1st column (ON), LED will light solid and siren chirps once. If the selected feature is already set at 2nd column (OFF), LED will not light and siren chirps twice.
5. **Installer must wait for the confirmation chirps and light flashes in Step 2 above, then to operate the following steps.**
6. Within 5 seconds of Step 3, turn ignition on/off to reverse the current setting (If ON already, ignition on/off changes it to OFF. If already OFF, ignition on/off changes it to ON).
7. To exit the programming procedure, either to leave system for 10 seconds or just close the door. System will fast chirp 3 times and lights flash 3 times to signify programming end.
8. During the programming procedure, if ignition is turned on for 5 seconds, or door closed, system will exit the programming procedure.

NOTE TO VEHICLE OWNER: Changing programmes 3 & 4 after installation can adversely affect the operation of this security system.

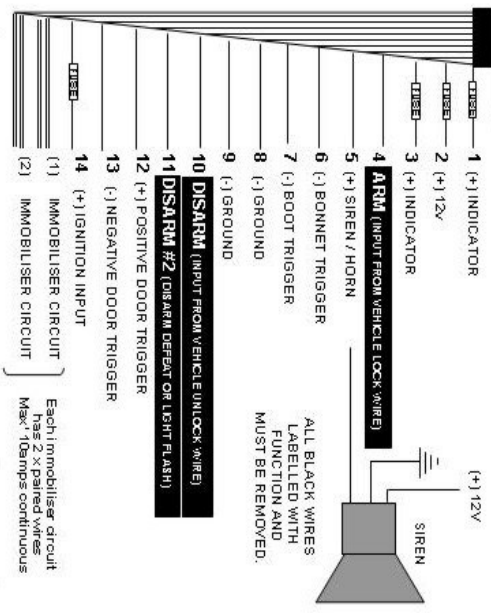
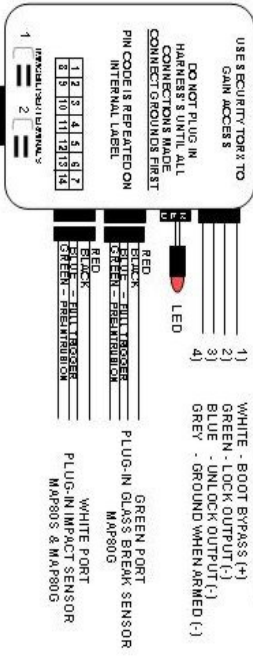
PROGRAMMABLE FEATURES

*** = FACTORY DEFAULT**

	FEATURE	LED 'ON' One chirp	LED 'OFF' Two chirps
3	DISARM #2 PROGRAMME	LIGHT FLASH	DISARM DEFEAT *
4	DISARM #2 WIRE POLARITY	(+)	(-) *
5	SIREN CHIRPS	ON *	OFF
6	IGNITION DOOR LOCK	ON	OFF *
7	CDL PULSE	0.8 Secs *	3.5 Sec.
8	SIREN OR HORN	SIREN *	HORN
9	DOOR DIAGNOSTICS	ON *	OFF
10	NSW SIREN TIMING	ON	OFF *
11	LAST DOOR ARMING	ON	OFF *
12	AUTO DOOR LOCK	ON	OFF *
13	PERIMETER NITE LITE	ON	OFF *
14	TURBO FUNCTION	ON	OFF *
15	AUTOMATIC ENGINE IMMOBILISER	ON	OFF *
16	LIGHT FLASH CONFIRMATION	ON *	OFF
17	RE-SET TO FACTORY DEFAULTS	RE-SET	RE-SET

MONGOOSE MAP80

Do not plug-in or connect if these features are not required



CONTROL INPUTS

Wiring Label	Function	Wiring Polarity
ARM	Connect to vehicle's lock motor wire.	Switching
DISARM	Connect to vehicle's unlock motor wire.	Switching
DISARM #2	DISARM DEFEAT - prog #3 OFF - #4 to (-) - default Connect to unlock signal wire from driver & passenger doors OR LIGHT FLASH - prog #3 ON - #4 to (+) Connect to vehicle light flash wire Do not use if factory alarm fitted, or hazard signal produced by BCM	Programmable

WARRANTY CONDITIONS

PRODUCT WARRANTY

Mongoose warrants for a period of 5 years that it will make good without charge at Mongoose's discretion, by repair or replacement with a reasonable equivalent, any defect in the product providing that;

- (a) the defect has been notified as soon as it is noticed to an authorised Mongoose installation centre, distributor or agent (in the first instance to the original installation centre).
- (b) the alarm is less than 5 years of age from the date of sale and was manufactured within the last 6 years.
- (c) the alarm has been installed by an approved Mongoose installation agent to an appropriate vehicle.
- (d) it has been installed according to the AS/NZS 3749.2 Installation Standards and/or to our written instructions.
- (e) provision of proof of purchase stating where it was purchased and by whom it was installed.
- (e) if the alarm is installed by anyone other than an approved Mongoose installer a 12 month parts only warranty applies
- (f) an authorised installation centre has determined that the defect complained of is a genuine product defect and not caused by;
 - (i) incorrect installation or any other consequential damage caused by the vehicle or other vehicle parts
 - (ii) operation of alarm after it is known to be defective
 - (iii) alteration or modification of the alarm or its components
 - (iv) the fitment of additional security parts or accessories not supplied by or approved of by Mongoose
 - (vi) any work carried out on the alarm by someone other than an authorised Mongoose installation centre
 - (vii) misuse, accident, deliberate act or abuse (eg: misdirected electrical current, ingress of water or fluid, vehicle damage)

Exclusions;

- (1) labour costs for removal & refitting of parts
- (2) batteries, i.e. remote controls
- (3) alarms operated outside the original country of purchase
- (4) transportation costs of getting a vehicle to a repair centre
- (5) consequential costs of vehicle non-operation where the remote controls or PIN code card are lost, not available, or an inability to use
- (6) mobile service/repair costs
- (7) normal wear and tear
- (8) freight costs of parts to rectification centres
- (9) fitment to a non-appropriate vehicle or other device

INSTALLATION WARRANTY

Warranty for the installation is borne by the original installing agent only.

The period and terms of warranty are determined by the installation agent and should be verified with them.

Rectification work required to correct an installation fault carried out by anyone other than the original installation agent will incur their charges.

Authorisation to have this work carried out and agreement to have any costs refunded should be obtained from the original installation agent prior to work commencing.

Whilst every care is taken in fitting the security system, Mongoose accepts no responsibility for any damage caused to a vehicle in the installation process. Responsibility is borne by the installer.

THIS WARRANTY IS ONLY TRANSFERABLE AS PRESCRIBED AS BELOW

- a) If the vehicle is sold with this product, the new owner receives the balance of the warranty but up to a period of 3 years from original date of purchase.
- b) If the original owner has the system re-installed into an alternative vehicle by an authorised Mongoose installation centre, this warranty is limited to 3 years from original date of purchase. If re-installed by an unauthorised person, this warranty ceases.

PROOF OF PURCHASE

DO NOT LEAVE THIS INFORMATION IN THE VEHICLE

OWNERS NAME:..... VEHICLE MAKE/MODEL.....

ADDRESS:..... VEHICLE REG' NO:.....

..... ALARM MODEL NO:.....

TELEPHONE NO:..... OVERRIDE PIN CODE:.....

ALARM PURCHASED FROM:.....

DATE PURCHASED:.....

INSTALLED BY:.....

DATE INSTALLED:.....

INSTALLER SIGNATURE:.....

OWNERS SIGNATURE:.....

Dealer

Please complete the above details, detach from this manual and keep in a safe place. These details should be presented to your Mongoose dealer in the unlikely event that you require this product to be repaired under the terms of the 'product warranty'. Refer 'Warranty Conditions'. Failure to provide this 'Proof of Purchase' may result in rectification charges being made. If you sell the vehicle within the warranty term, please pass on this on to the new owner.



Mongoose (Australia) Pty Limited

www.mongoose.com.au

Mongoose (New Zealand) Limited

www.mongoose.co.nz

Manufactured for:	Mongoose (Australia) Pty Ltd
Make & Model Number:	Mongoose MAP80
Country of manufacture:	Taiwan R.O.C.
Supply voltage:	12v DC nominal – negative ground
Current consumption:	14~22mA (depending on alarm accessories)
Suitability:	All vehicles with 12v negative earth batteries
Date of manufacture:	Refer date code on alarm module case

Whilst this security system provides a deterrent, it may not prevent theft or damage through wilful criminal intent.

Mongoose does not by inference, intent or any other means guarantee that a vehicle fitted with one of its security systems will not be stolen, broken into, tampered with, or parts taken. Mongoose does not offer nor will pay compensation for any loss. We recommend adequate vehicle insurance and the fitment of other security devices as deemed necessary.

The loss and any associated costs of replacing the remote controls and/or PIN code card in making the vehicle mobile (or towage) are the responsibility of the vehicle owner/driver.