

SUPER 3 OWNER'S HANDBOOK

The content contained within this handbook is correct at the time of publication, however due to the nature of Morgan motor vehicle production, some details may be subject to change.

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WARNING

The Morgan Super 3 is NOT a car.

The Morgan Super 3 IS a motorcycle and conforms to all applicable Federal Motor Vehicle Safety Standards in effect on the date of manufacture. Motorcycles are different from other vehicles in the way that they operate, steer, handle and brake. Unskilled or inappropriate use could result in loss of control, serious injury or death.

Seat belts MUST be worn at all times.

Helmets MUST be worn at all times.

Eye protection MUST be worn at all times

The single driven rear wheel travels on a part of the highway not usually cleared by other road users which may have unexpectedly low traction levels in ANY conditions.

The Morgan Super 3 DOES NOT have traction control, stability control, ABS or other driver aids. Care should be taken using this vehicle.
Morgan recommend a trike specific Motorcycle Safety Foundation approved advanced driver training course.

The cockpit hoops on the body are NOT approved roll over protection

DO NOT drift the Morgan Super 3. This could result in roll over.

Occupants requiring additional seating aids should not travel in this motorcycle.

Under heavy braking it is not guaranteed that all of the 3 wheels will experience the same level of traction. This may affect the vehicle stability.
Always drive cautiously to reduce the likelihood of heavy braking being required.

Always read the handbook fully before operating the vehicle for the first time, servicing or adding accessories. Refer to the handbook if you have any questions regarding Super 3 operation, safety, ownership or maintenance.

DO NOT drive or ride as passenger in this motorcycle if you do not accept or understand the risks of doing so.

For more information please speak to your local Morgan dealership.

Harmful Substances

Operating, servicing and maintaining a passenger vehicle or off-road vehicle can expose you to chemicals including engine exhaust, Carbon Monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle.

For more information go to www.P65Warnings.ca.gov/passenger-vehicle

This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm.

For more information. go to www.P65Warnlngs.ca.gov

Crude oil, gasoline, diesel fuel and petroleum products can expose you to chemicals, including toluene and benzene, which are known to the State of California to cause cancer and birth defects or other reproductive harm.

For more information go to www.P65Warnings.ca.gov

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Morgan Super 3

This handbook has been produced in order to give the owner a good understanding of how best to use and enjoy their Morgan Super 3. The owner and driver should read and understand the content of this handbook before using the vehicle, and the handbook should then be kept in the motorcycle for reference at any time. It should be passed on to new owners if the motorcycle changes hands.

Contained within the handbook are important safety warnings and instructions. These warnings are to reduce the risk of injury being caused to you or others.

This book is intended to give an understanding of the operating procedures and general servicing instructions as well as technical information. This book is not intended to give comprehensive technical details and full servicing procedures.

To ensure maximum pleasure and performance, it is important to keep your Morgan well maintained and serviced at the correct intervals. It is the responsibility of the owner to ensure the vehicle is serviced according to the service schedule. If any adjustment is required we request that you contact an authorized Morgan dealer for advice before any work is carried out. Alterations from the Morgan approved specification are not recommended as this may affect the performance and safety of the vehicle and will invalidate the warranty.

The most efficient way to find specific topics is to refer to the detailed index at the back of the handbook. Alternatively, please refer to the contents list at the start.







Welcome to the World of Morgan

Your Super 3 is as individual as you are, and employs traditional handcrafted techniques, using only the highest quality materials. The Morgan Motor Company provides a fitting antidote to mass-produced automotive manufacturing, bringing with it an exceptional mix of traditional craftsmanship and appropriate modern technology.

Morgan cars and motorcycles are endearing and inspire a positive response from people all around the world. As a Morgan owner, you are part of a global community of like-minded, passionate owners.

VEHICLE IDENTIFICATION

Morgan advises that the Vehicle Identification Number (VIN) is recorded in this section along with other records that may be useful when requesting or ordering replacement parts.

The VIN (Vehicle Identification Number) plate is positioned under the center of the dashboard.

VIN: . . . . . .

Registration: . . . . . .

Body Color: . . . . . .

Side Blade Color: . . . . . .

Cowl Color: . . . . . .

Trim Color: . . . . . .

Warranty Start Date: . . . . . .

Supplying Morgan Dealership Information:

Engine Information

Engine	Ford Dragon 1.5L in-line three cylinder naturally aspirated
Cylinders	3
Capacity	1497cc
Bore	84 mm
Stroke	90 mm
Compression Ratio	11:1
Firing Order	1-2-3
Power Net	118 bhp (88 kW) at 6500 rpm
Torque	111 ft.lbs (150 Nm) at 4500 rpm
Valve Operation	Dual overhead cam with twin independent variable camshaft timing, wet belt driven
Valve Timing	Variable valve timing system

Fuel System

Type	Electronic port fuel injection
Fuel Type	91 - 94 Premium Unleaded Gasoline
Ethanol Rating	E10 and E5

Ignition System

Type	Digital electronic
Operation	Coil on plug
Spark Plug	Bosch HR8 Gap 1.2mm

Cooling System

Type	Engine driven water pump, two radiators, single electric cooling fan
Normal Operating Temp	95–115°C (185–239°F)

Capacities

Fuel Tank (approx.)	31.8 liters (8.4 US Gall.)
Engine Oil with New Filter	4.5 liters (1 US Gall.)
Engine Coolant	6 liters (1.6 US Gall.)

Final Drive

Chain Drive	Front Sprocket - 23T Rear Sprocket - 52T Chain - RK Chain 530XS0Z1-108 link
Belt Drive	Front Pulley - 34T Rear Pulley - 76T Belt - Continental Carbon Synchro Chain

Oil and Fluid Specifications

Engine Oil	SAE 5W-20 Ford WSS-M2C948B
Gearbox Oil	SAE 75W-90. Fill to level plug (Approx 2 liters / 0.528 US gallons)
Engine Coolant Type	Ford WSS-M97B44-D Antifreeze Super Plus Premium FU7J-19544-xx
Brake Fluid	DOT 4
Bevel Box	Morris Lubricants AG140 Classic gear oil. Fill to level plug (approx. 0.5 liters / 0.132 US gallons)

Transmission

Gearbox	Mazda 5-speed manual gearbox
Pulley Ratio	34:76
Bevel Box	90° conversion prop to belt. Ratio 19:37

Gear Ratios

Gear	Ratio	Gear	Ratio
1st	3.14	4th	1.00
2nd	1.89	5th	0.81
3rd	1.33		

Suspension

Front	Double wishbone with pullrod actuated coilover
Rear	Swing arm
Caster Front	3°48’
Caster Rear	N/A
Camber Front	-1°30’ +/- 15’
Camber Rear	N/A
Toe In Front	+0° 15’ +- 0° 02 per side (30 mins in total)
Toe In Rear	N/A

Brakes

Front	4-piston aluminium fixed caliper, Ø295 x 22mm vented disc
Rear	Single-piston floating caliper w/ integrated handbrake, Ø259.6 x 26mm vented disc
Handbrake	Cable operated, fly-off handbrake
Operation	Hydraulic system without ABS or servo assistance

Wheels and Tires

Wheels, Front	20x3.5 in
Wheel, Rear	15x6 in
Wheels Torque Setting	74 ft lbs (100 Nm)
Standard Tires, Front	Cooper Avon Speedmaster MKIII 130/90 R20 71V
Tire Pressure, Front	45 psi / 3.1 BAR
Standard Tire, Rear	Cooper Avon ZV7 185/55 R15
Tire Pressure, Rear	22 psi / 1.5 BAR

Dimensions

Wheelbase (fully loaded)	2532mm (99.7 in)
Track Front	1708mm (67.2 in)
Track Rear	N/A
Ground Clearance	100mm (3.94 in)
Turning Circle Diameter	12.4m (40.7 ft)
Overall Length	3581mm (140.98 in)
Overall Width	1850mm (72.83 in)
Overall Height	1132mm (44.57 in)

Emissions

Carbon Dioxide	127.8 g/km

Emissions (EPA Reporting)

Hydrocarbon and Nitrus Oxide	0.1 g/km
Carbon Monoxide	0.7 g/km

Emissions (CARB Reporting)

Total Hydrocarbon Emissions	0.1 g/km
Nitrus Oxide.	0.1 g/km
Total Hydrocarbon and Nitrus Oxide	0.1 g/km
Carbon Monoxide	0.7 g/km
Evaporative Emissions	1.1 g/km

Technical Information

Vehicle in Running Order (Including fuel)	635kg (1400lbs)
Maximum Permissible Gross Weight	900kg (1984lbs)
Maximum Weight Per Axle (Front)	468kg (1032lbs)
Maximum Weight Per Axle (Rear)	432kg (952lbs)

This vehicle is not designed for towing a trailer or other vehicles.

SAFETY AND SECURITY

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Safety Warning Definitions

Throughout this handbook there are important warnings which should be paid particular attention to. These safety warnings are there to help you make informed decisions, reduce the risk of crashes causing possible injury or death to yourself or others, and to reduce the risk of causing property damage.

DANGER Indicates a potentially hazardous situation which will result in severe property damage, serious injury or death if not avoided.

WARNING Indicates a potentially hazardous situation which could result in severe property damage, serious injury or death if not avoided.

CAUTION Indicates a potentially hazardous situation which could result in property damage if not avoided.

NOTICE Indicates important information. It is recommended that you take particular notice of these items.

The Morgan Super 3 also features important safety warnings attached to the vehicle itself. Always read and obey the warnings on the vehicle.

⚠ Safe Use of Super 3

Your safety and enjoyment of your Super 3 is our priority, therefore it is highly recommended that you take time to familiarize yourself with the safe operation of your Morgan vehicle before driving it.

⚠ Misuse of Super 3

DANGER Never drive a Morgan Super 3 while under the influence of alcohol or any potentially impairing drugs.

WARNING Your Morgan Super 3 is intended to be used in a safe manner, always obey the local laws and speed limits, never travelling faster than is appropriate for the road, weather and traffic conditions. Crashes may cause injury or death to both the occupants of the vehicle and/or other persons. Remember that using sensible judgement when driving this vehicle may prevent a crash from occurring.

WARNING When travelling on wet roads, brake efficiency and traction are greatly reduced. Use care when braking, accelerating or turning on wet roads to reduce the risk of loss of control, which could result in serious injury or death.

WARNING This motorcycle is designed to be used only on the road. Off-road usage in some areas may be illegal. Obey local laws and regulations.

CAUTION Never use a Morgan Super 3 to tow a trailer.

⚠ Responsibilities of the Owner

As the owner of this vehicle, you are responsible for the safe and proper operation of this vehicle. Safe use is dependent upon the practice of safe driving technique as well as the expertise of the driver. It is highly recommended that every owner should:

- Obtain instructions from a competent source on all aspects of the operation of this vehicle.
- Understand that this vehicle is not fitted with airbags, anti-lock braking systems or electronic stability control systems.
- Observe the warnings and maintenance requirements within this manual.
- Know your own limits and skill level. Driving safely within your own limits may help you to avoid a crash.
- Take extra care when driving in poor conditions.
- Complete the pre-drive checklist contained within this handbook before every journey.

⚠ Important Safety Warnings

DANGER The Morgan Super 3 DOES NOT have traction control, stability control, ABS or other driver aids. Care should be taken when using this vehicle. Morgan recommend a trike specific Motorcycle Safety Foundation approved advanced driver training course. Please ensure that any passenger is aware of this information.

ALWAYS WEAR A SEAT BELT. Wearing a seat belt will dramatically reduce the risk of injury or death in the event of a crash. Always ensure that the driver and any passengers travelling in the vehicle always wear a seat belt.

DANGER Morgan always recommends the use of a helmet and appropriate eye protection when travelling in this vehicle. Always follow regional/state requirements regarding helmet and eye protection requirements. It is the drivers responsibility to ensure state laws regarding helmet and eye protection are complied with by all occupants.

WARNING Operate your motorcycle defensively. In a crash, a motorcycle does not afford the same protection as an automobile.

WARNING The rear driven wheel of the Morgan Super 3 operates on a part of the highway that is not cleared by other road users. This surface may have lower traction levels than anticipated for the conditions.

WARNING The occupants must be seated correctly and should ensure that all safety restraints are used properly and are free from obstructions.

WARNING Ensure wind deflectors and mirrors are clear and positioned correctly before driving.

WARNING Respect any notifications displayed on the driver information panel screens and follow the related instructions contained within this owner's handbook.

WARNING Before operating the motorcycle, always check that the tires are inflated to the specified tire pressures. This information can be found on the vehicle's Tire Placard Label located underneath the center of the dashboard or in the 'Wheels and Tires' section in the Technical Information pages at the front of this handbook.

WARNING Do not allow other individuals to operate the motorcycle unless they are experienced, licensed riders and are thoroughly familiar with the operation of this motorcycle.

WARNING Always ensure that the vehicle is in a roadworthy condition. It is the responsibility of the driver to ensure that the vehicle is in a proper and roadworthy condition.

WARNING Check that the tires are in good condition without excessive wear or damage.

WARNING Always ensure that the hood, trunk and tonneau cover (when fitted) are secured and closed correctly.

CAUTION Check lights and signalling devices are operating correctly before use.

CAUTION Wear suitable clothing for the weather conditions. Failure to do so will affect concentration levels and comfort. With minimal noise proofing you will be exposed to many sounds from engine and transmission. Therefore, ear plugs are recommended.

CAUTION The Morgan Super 3 is designed to be used only on the road.

NOTICE Ensure that you have the appropriate license to operate this vehicle.

NOTICE It may be prohibited by law to remove or replace of any noise control system component and to use a vehicle which has had noise control system components removed or replaced. This includes modifications made before the sale of the Super 3 or before delivery to the current owner.

Always use turn signals and use extra caution when passing other vehicles going in the same direction. Never pass other vehicles going in the same direction when going up or down a hill, at street intersections, or on curves in the road.

Do not presume you have the right-of-way at street intersections, as the other driver may not know that it is your turn. It is recommended that you give the right-of-way to the other driver.

Do not presume that the Morgan Super 3 is visible to other road users.

Driving in urban areas can be particularly mentally demanding. Take regular breaks to reduce the risk of fatigue.

Occupant Safety

WARNING Occupants requiring additional seating aids should not travel in the vehicle.

WARNING Never use a child seat in this vehicle.

Engine System

DANGER Do not touch or approach the engine bay when the engine is operating.

DANGER Do not touch or approach any part of a hot exhaust system. Failure to comply with this may result in injury.

WARNING The front of the vehicle, near the engine, can become very hot. Danger of serious personal injury if touched.

WARNING Continuing to drive the vehicle with an engine misfire could cause the catalytic converter to overheat, with possible heat damage to other vehicle components, and an engine bay fire.

WARNING Do not use the vehicle if a fuel leak is suspected. Ensure that an authorized Morgan Technician repairs the fault before starting or using the vehicle. Leaking fuel may cause fires or explosions.

CAUTION Do not tamper with the electrical system.

CAUTION If the engine malfunctions in any way, ECU warnings show on the LCD screen. Morgan recommends that the fault is diagnosed and repaired by an authorized Morgan technician before using the vehicle. Failure to react appropriately to any engine management faults may result in permanent damage to the engine.

NOTICE It is recommended that any work to be performed on a Morgan Super 3 should be undertaken by an authorized Morgan Technician.

Electrical Equipment

NOTICE Morgan does not recommend installing any non-approved electronic systems that emit radio frequencies. Such items include electronic garage door activation and similar devices.

Air Bags

DANGER Morgan Super 3 is NOT FITTED with driver and passenger air bag systems.

Inertia Switch

The safety inertia switch is designed to operate on impact, typified by vehicle collision, to switch off the fuel pump, and thus minimize any fire hazard.

Dyno Mode

The Morgan Super 3 features a Dyno mode to allow operation on a rolling road/dynamometer. If the rear wheel is rotating faster than 3km/h and the front wheels are at zero speed for 5 seconds, only the rear wheel speed sensor will be used for vehicle speed. Dyno mode automatically resets to the default setting if one of the front wheels show a speed that is not zero for two seconds.

Reporting Safety Defects

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Morgan Motor Company.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in any individual problems between you, your dealer, or Morgan Motor Company.

To contact NHTSA you may either call the Vehicle Safety Hotline toll-free at **1-888-327-4236** (TTY: **1-800-424-9153**); go to **http://www.safercar.gov**; or write to:

Administrator, NHTSA
400 Seventh Street SW,
Washington, DC 20590

You can also obtain other information about motor vehicle safety from http://www.safercar.gov.

Cockpit Hoops

The Morgan Super 3 features decorative cockpit hoops which are located behind the cockpit.

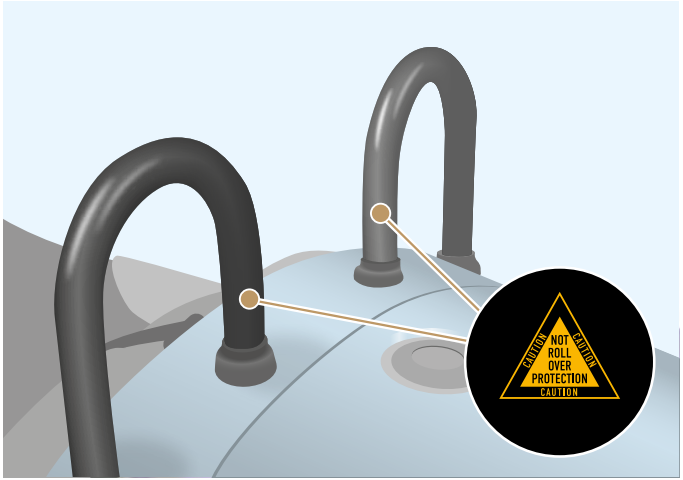
DANGER The cockpit hoops on the body are NOT roll over protection. Please ensure all occupants in the vehicle are aware of this.

WARNING Do not apply full body weight onto the cockpit hoop when entering or exiting the vehicle.

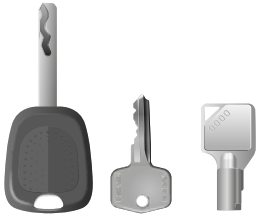
NOTICE Do not remove warning notices from the cockpit hoops. If your Super 3 does not have the appropriate warning notices (see image), please contact your Morgan dealership for a replacement.



Cockpit hoop label (not to scale).



Keys



Ignition Storage Tubular Push Lock

The Morgan Super 3 is supplied with two programmed keys for the vehicle ignition system. Contained within the ignition key is a chip used to disarm the engine immobilization system. The Morgan Super 3 can only be started with a key containing the correct chip corresponding to the correct vehicle. If the optional lockable under-seat storage is specified, it will be supplied with two analog keys. If an optional pair of side racks are specified, they will be supplied with two tubular push lock keys. If an optional phone mount or hard shell suitcase is specified, they will be each be supplied with one tubular push lock key.

⚠ **WARNING** The ignition key in a Morgan Super 3 sit between the driver's knees. Take care not to injure self on the key. It is recommended that large keyrings are not attached to the ignition key.

NOTICE The vehicle is fitted with an immobilizer. However, there is no alarm system supplied on the Morgan Super 3. Do not leave the vehicle unattended with the keys nearby.

Engine Immobilizer

The Morgan Super 3 is fitted with an engine immobilizer. This means that the engine can only be started using the correct keys programmed to the vehicle.

NOTICE Do not leave the key in the vehicle when unattended. Do not force the lock mechanism.

NOTICE Due to the nature of your Morgan, it is easy for thieves to gain access to the inside of the vehicle. Do not leave items unattended in the vehicle as they may be easily stolen.



COCKPIT

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31 Instruments and Switches

33 Entering and Exiting the Vehicle

34 Lights and Turn signals

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41 Interior Equipment

Seating, Driving and Pedal Positions

The seats are permanently fixed in position and secured to the monocoque. Adjustment is achieved solely by moving the pedal box assembly towards or away from the seat. For more information, please see '**Operating the Vehicle**'.

⚠ **WARNING** The pedal box assembly must be adjusted to the correct position for the driver.

⚠ **WARNING** The pedal box assembly must be engaged and secured to prevent it moving whilst driving.

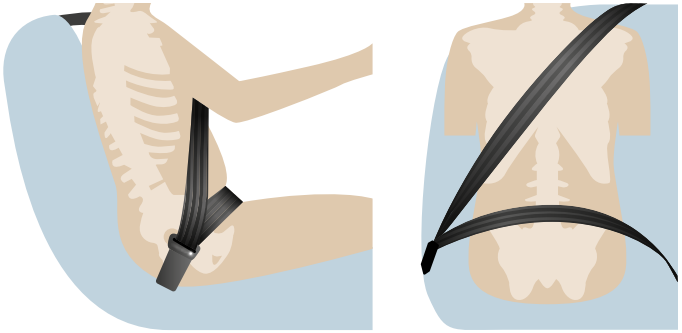
⚠ **WARNING** Do not adjust the pedal box assembly position whilst the vehicle is moving.

Seat Belts

Morgan Motor Company always recommend the use of a seat belt. It is the driver's responsibility to ensure compliance with state/region regulations for seat belt usage. It is the driver's responsibility to ensure both the driver and passenger adhere to state/region regulations.

The seat belt units fitted to the Morgan Super 3 are inertia reel seat belts. The seat belts may lock automatically when the vehicle is subjected to extreme braking, acceleration, cornering and impact forces. The seat belt unit may also lock if the vehicle is tilted in any way.

When fastening the seat belt, sit in the seat erect and fully back with feet placed on the footwell floor. Hold the buckle tongue and draw the belt diagonally across the body and fasten into the buckle lock. Ensure the buckle is secured and correctly engaged; this will be apparent by a click sound when fastening the buckle tongue into the buckle lock. To release the belt, push the red button on the buckle. The belt will automatically retract.



NOTICE When the vehicle is in motion above 5km/h and weight is detected in the driver's seat, the vehicle will emit an audible warning and show a tell-tale warning symbol on the driver information panel unless the seat belt is fastened.

DANGER Morgan Motor Company always recommend the use of a seat belt for both driver and passenger.

DANGER Improperly positioning the seat belts can cause serious injury or death in a crash. Ensure the seat belts are correctly positioned before driving. Wearing a seat belt incorrectly increases the chance of serious injury or death in a crash.

DANGER Seat belts should be worn by all persons regardless of the physical condition of the person. For example, pregnant women should always wear a seat belt.

DANGER Occupants requiring additional seating aids should not travel in the vehicle.

DANGER Never use a child seat in this vehicle.

DANGER Never use one seat belt around two people, or allow a child to be carried on a driver or passenger's lap.

WARNING Not checking or maintaining seat belts can result in serious injury or death if the seat belts do not work properly when needed. Check seat belts regularly and ensure that any problems are corrected immediately.

WARNING When seated, never place feet on the dashboard or outside the vehicle. Feet must be placed flat on footwell floor when securing seat belt.

CORRECT SEAT BELT POSITION:

- Sit upright in the seat with back placed fully against the seat.
- Place feet in natural rested position on the footwell floor
- Wear the lap section low and snug on hips/pelvis, just touching thighs, underneath stomach.
- Wear the shoulder section over the shoulder, across the chest

NEVER place the shoulder section under your arm or behind your back.

NEVER place lap section over or on top of your stomach.

WARNING When fastening the seat belt, ensure that the belt is not twisted or entangled.

WARNING Seat belts are designed to bear upon the bone structure of the body and should be worn low across the front of the pelvis, chest and shoulder. Wearing the lap section of the belt across the abdominal area must be avoided.

WARNING The shoulder portion of the seat belt must never be worn beneath the arm or behind the back.

WARNING No modifications or additions should be made to the seat belt assemblies.

WARNING The seat belt should be replaced if components are frayed, contaminated or damaged. Inspect regularly.

WARNING The seat belt system must be replaced if the vehicle has been involved in a severe impact, even if no damage to the assembly is visible. Seat belt anchorage points must also be checked.

WARNING Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack seat belt will greatly reduce the protection afforded to the wearer.

WARNING Do not disassemble the system for cleaning purposes.

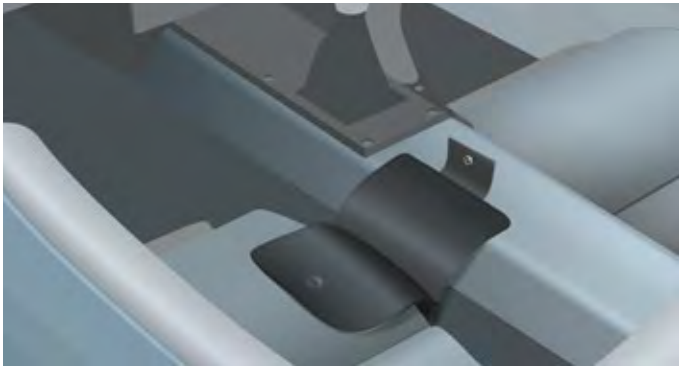
WARNING Do not use any substance that may contaminate or damage the webbing material. Never use bleach or dye, only clean with a mild detergent and ensure the system is completely dry before using the vehicle. Ensure the entire system is kept free of dirt contamination.

CAUTION When cleaning the seat belt assembly, care should be taken to avoid contamination or damage to the system.

Seat Step Guard (Optional)

The Morgan Super 3 can be supplied with optional seat step guards. These are designed to give the occupants a pad to place their foot on when entering the vehicle, rather than stepping on the seat.

Place the step guard in the groove between the seat and the center tunnel. Open the popper and lay one side down flat onto the seat, inside panel facing up. Place one foot on whilst getting situated in the seat and then remove once seated.



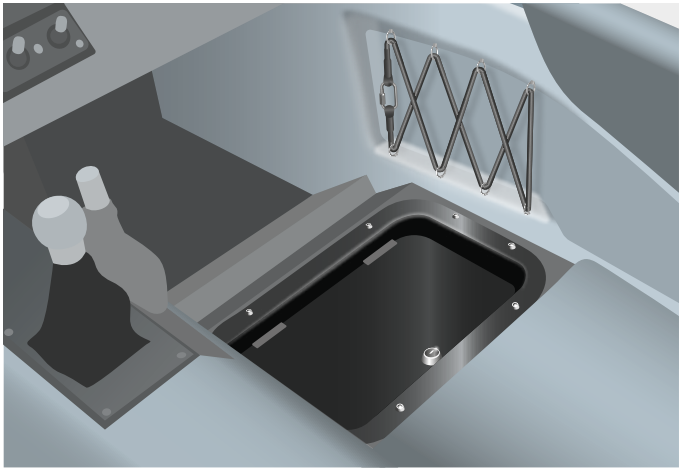
⚠ **WARNING** Ensure that the seat step guard is firmly placed in the groove between the seat and center tunnel. Risk of injury if the seat step guard slips/moves when stepped on.

⚠ **WARNING** The risk of injury whilst entering or exiting the vehicle is increased in wet conditions. Take extra care in poor conditions.

⚠ **WARNING** Ensure that the seat step guard is stored securely to avoid movement during driving which may cause a crash.

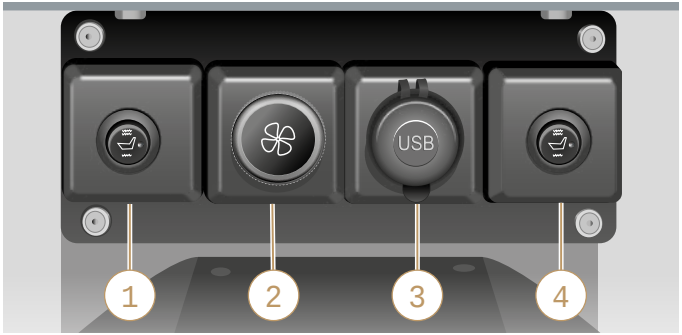
Interior Storage

The Morgan Super 3 has multiple locations for interior storage. In the cockpit side impressions, there are optional elasticated cargo straps which can be used to hold items. Ensure items are secured to avoid movement during driving which may cause an accident. There is an optional lockable under-seat storage box which can be revealed by lifting the front driver's seat pad straight up.



⚠ **WARNING** Take care when entering and exiting the vehicle not to injure legs by hitting the metal eyelets around the elasticated cargo straps.

⚠ **WARNING** Ensure items are secured to avoid movement. During driving, unsecured items may fall into the footwell which may cause a serious crash.



1, 4. Heated Seat Switch 2. Heater Knob 3. Dual USB Port

Heated Seat Switches (1,4) (Optional)

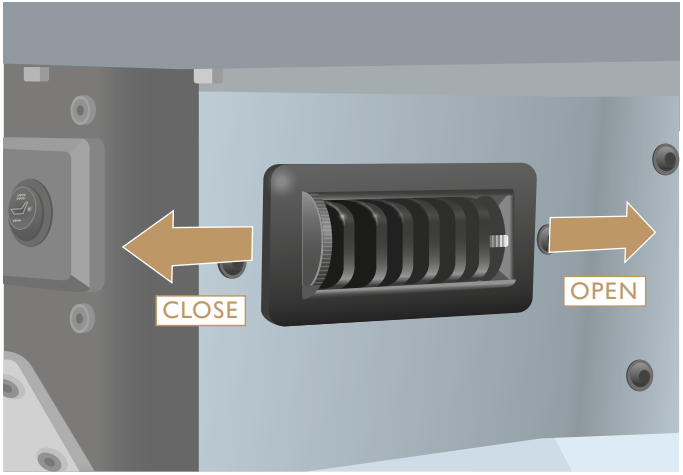
Situated on the far left and far right switches, each switch controls the temperature in the nearest seat. Pads in the base of the seat heat up when this button is switched on. The heated seats have three settings; off, low and high. When the heated seats are off, there will be no illuminated light. The low setting is indicated by a green light, the high setting is indicated by a red light. The heated seats automatically switch off when the ignition is turned off.

⚠ **WARNING** Heated seats get extremely hot. If the heat becomes uncomfortable, immediately turn off the heated seat switch.

Dual USB Charger (2) (Optional)

USB charger features two fast charging ports rated at 2.4A each which can be used with compatible USB cables.

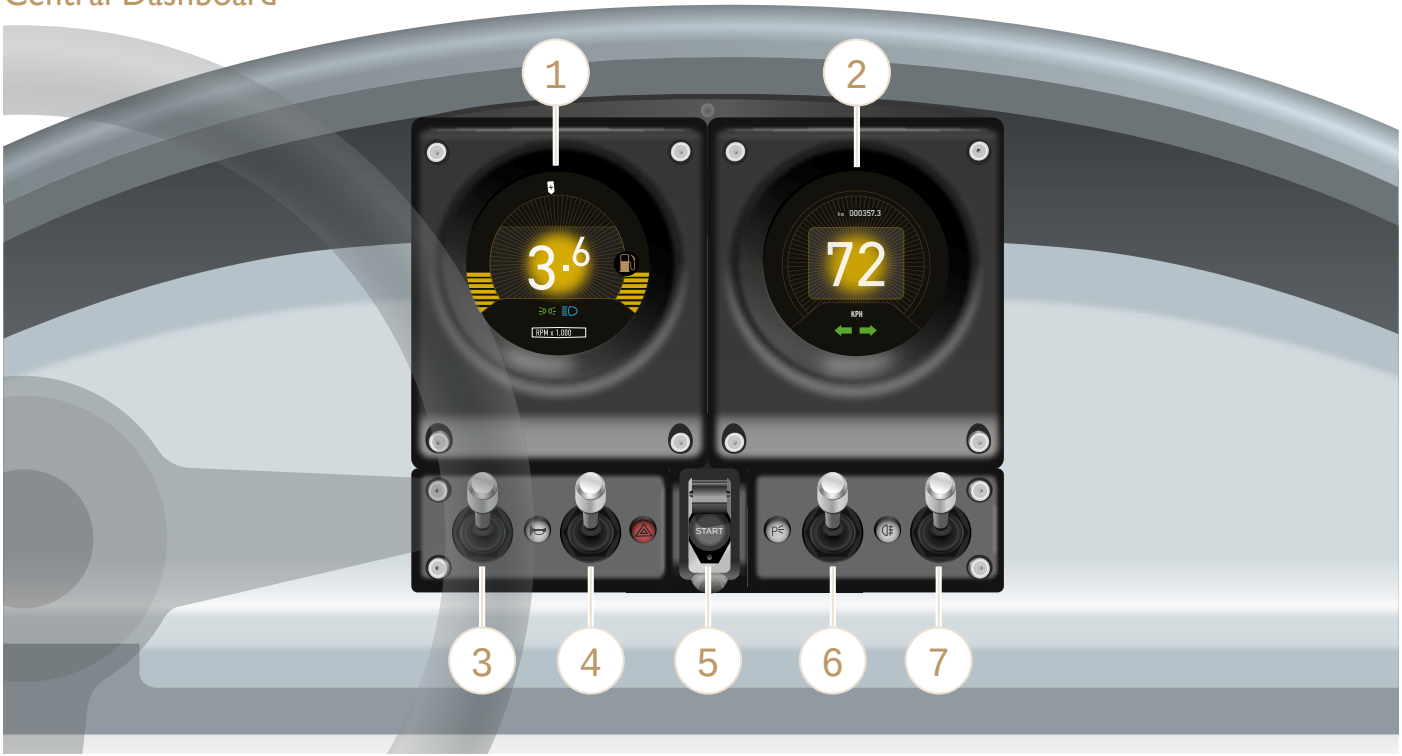
⚠ **CAUTION** Ensure appliances using the USB charger are safely stored.



Heater Control (3) (Optional)

Twist the heater knob clockwise to increase the fan speed of the heater, rotate the central knob counter clockwise to decrease the fan speed. The heater fan has two speed settings. The air vents are located on either side of the central tunnel in the footwell. The air vents must be opened in order for the heating to work. Push the small upright tab on the vent panel towards the front of the vehicle to open the vents. Push the vents towards the rear of the vehicle to close.

Central Dashboard



1. Tachometer
2. Speedometer
3. Horn
4. Hazard Warning Switch
5. Start Switch
6. Parking Lights
7. Rear Fog Lamp (when fitted)

Speedometer (1)

The speedometer indicates the road speed of the vehicle. The display is miles per hour (mph) and/or kilometers per hour (kph).

Tachometer (2)

The tachometer displays the engine speed in RPM x 1000. The tachometer display will begin to pulse red at high RPM.

⚠ **CAUTION** The use of excessive RPM used when an engine is not at normal operating temperature may cause premature wear or damage to the engine and failure of engine components.

Horn Button (3)

The horn switch is located in the dashboard, push the switch down to operate.

Hazard Warning Switch (4)

When the switch is pushed on all of the direction turn signals on the vehicle will flash. The left and right turn signal icons in the speedometer screen will flash. Hazard lights should be used in an emergency. In the case of an emergency, turn the hazard lights on, move the vehicle to a safe position and exit the vehicle to wait in a safe location.

Start Switch (5)

Once ignition is activated the vehicle can be started. To start; first read the warnings on the driver information panel screens. Then, lift the cover of the start button and depress the button once to confirm that you agree to and understand the warning messages. Depress the button again to start the vehicle.

If engine fails to fire after 6 seconds of holding release, wait for ten seconds and retry. Refrain from applying too much throttle whilst starting.

Parking Lights (6)

When the parking lamps are turned on the sidelights will remain on when the ignition is turned off.

NOTICE Leaving the sidelights on for extended periods will drain the battery.

Rear Fog Lamp (when fitted) (7)

The rear fog lamp switch (when fitted) is located in the dashboard, push the switch down to operate.

The rear fog lamp is automatically turned off when the ignition is off.

NOTICE Only use fog lamps when necessary, in cases of poor visibility.

Due to the nature of your Morgan Super 3, due care should be taken when entering and exiting the vehicle. Depending on the individual, different methods may be more comfortable and safe. The methods described within this handbook are suggestions only.

Suggested Method for Entering the Vehicle:

1. Lightly hold the cockpit hoop or rear of the seat for balance support.

CAUTION Do not apply full body weight onto the cockpit hoop.
CAUTION Do not apply any body weight onto the steering wheel.

2. Facing the front of the vehicle, lift the leg that is closest to the vehicle over the side panel and place foot onto the metal ledge which is positioned below the base of the seat and above the footwell.

   Alternatively, place foot onto the seat step guard, if specified (please refer to the '*Seat Protection and Interior Storage*' page for safety warnings and more information).

WARNING The metal ledge and seat step guard can get slippery, especially in wet conditions. Take extra care when entering the vehicle in wet conditions.

3. Use the metal ledge or seat step guard to push and lift up to rest back against the seat back and swing the second leg over the side of the vehicle.

4. Extend the second leg into the footwell and the other knee to gradually lower into the seat.

Suggested Method for Exiting the Vehicle:

1. Place a foot on the metal ledge which is positioned below the base of the seat and above the footwell. Push and lift up to rest back higher up against the seat back. Lightly hold the armrest for support if required.

WARNING The metal ledge can get slippery, especially in wet conditions. Take extra care when exiting the vehicle in wet conditions.

CAUTION Do not apply full body weight onto the armrest.
CAUTION Do not apply any body weight onto the steering wheel.

2. Check and ensure that it is safe to exit the vehicle.

WARNING Ensure there are no obstacles or uneven surfaces on the ground next to the vehicle.

DANGER Ensure that there is no oncoming traffic before exiting the vehicle.

3. Swing the leg closest to the outside of the vehicle over the side panel and step onto the ground.

4. Lightly hold the cockpit hoop or rear of the seat for balance support. Swing the second leg over the side panel to fully exit the vehicle.

CAUTION Do not apply full body weight onto the cockpit hoop.
CAUTION Do not apply any body weight onto the steering wheel.

Lights

The low beam headlamps are on whenever the ignition key is in the ignition position. This feature provides increased visibility to other road users.

⚠ **WARNING** Ensure that the low beam headlamps are on at all times when operating the vehicle. Poor visibility of the vehicle to other motorists may result in serious injury or death.

The headlamps will automatically turn off when the ignition is switched off.

To toggle between low beam and high beam, push the stalk forward.
To flash the headlamps, pull the stalk towards the driver.

NOTICE Leaving the lights on without the engine operating will gradually discharge the battery. Do not leave them on for long periods of time; otherwise, the battery might not have enough power to start the engine.

Footwell Lamp (Optional)

When the ignition is turned on, the footwell lamp will illuminate. Once the engine is started, the footwell lamp will fade off. When the ignition switch is turned off, the footwell lamp will illuminate and remain on for 60 seconds.

Turn Signals

The lights and turn signals are operated from the left hand stalk behind the steering wheel.

To indicate left, push the stalk in a downward direction. To indicate right, lift the stalk in an upward direction. The turn signals will cancel automatically after cornering.

The turn signals can be canceled manually by pushing the stalk in the same direction as indicating.

When intending to turn, it is recommended that you signal at least 30.5 m (100 ft) before reaching the turning location. Reduce the speed when entering the intersection and turn carefully.

⚠ **WARNING** Operating the driver information panel menus during driving can cause distraction, resulting in loss of control of the vehicle, a crash, serious injury or death to the occupants of the vehicle and others. Only operate the driver information menu if permissible in the traffic situation. Stop if necessary and operate the system with the vehicle at a standstill.

It is recommended that the various checks in the Driver Information menus are carried out before a journey. To activate the scrolling menus on the Driver Information Panel, ignition must be on. To toggle through the menus, press the button on the end of the stalk.

Speedometer Screen



ODOMETER

The odometer records total distance that the vehicle has traveled (in miles or kilometers).

SPEEDOMETER

The speedometer indicates the road speed of the vehicle. The display is miles per hour (mph) and/or kilometers per hour (kph).

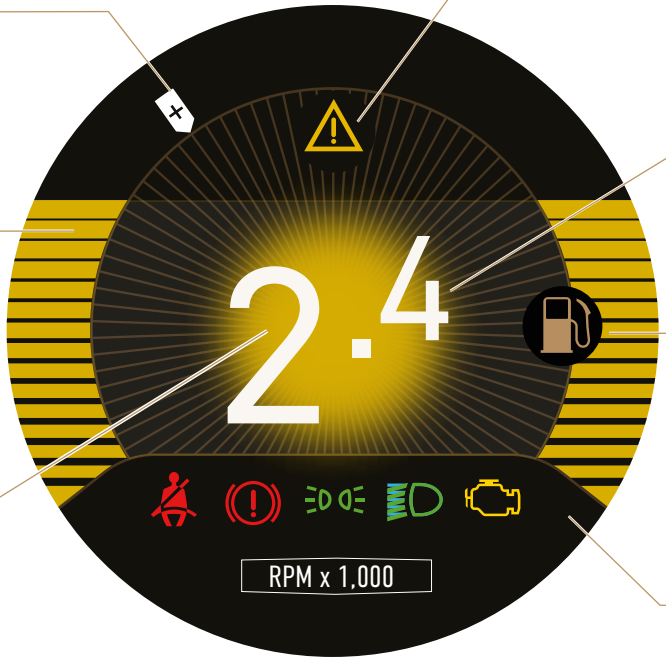
MPH OR KPH

Hold the stalk button to toggle between MPH and KPH. This will also toggle the odometer simultaneously.

TURN SIGNAL ICONS

When operated, the turn signal icons will flash on screen here.

Tachometer Screen



REV POINTER

Turn signal representing the revolutions per minute (RPM). This will illuminate red at high RPM.

FUEL LEVEL

Fuel level is shown at all times. Each horizontal level represents approximately 2 liters (0.528 US Gallons). Once the fuel level is below approximately 5 liters (1.321 US Gallons), the bars will illuminate red.

TACHOMETER

The tachometer display area will flash red at high RPM.

CHECK MESSAGE WARNING SYMBOL

When any red or amber warning symbol is present, the check message warning triangle will also display and remain after the warning symbol is cleared.

TACHOMETER UNIT

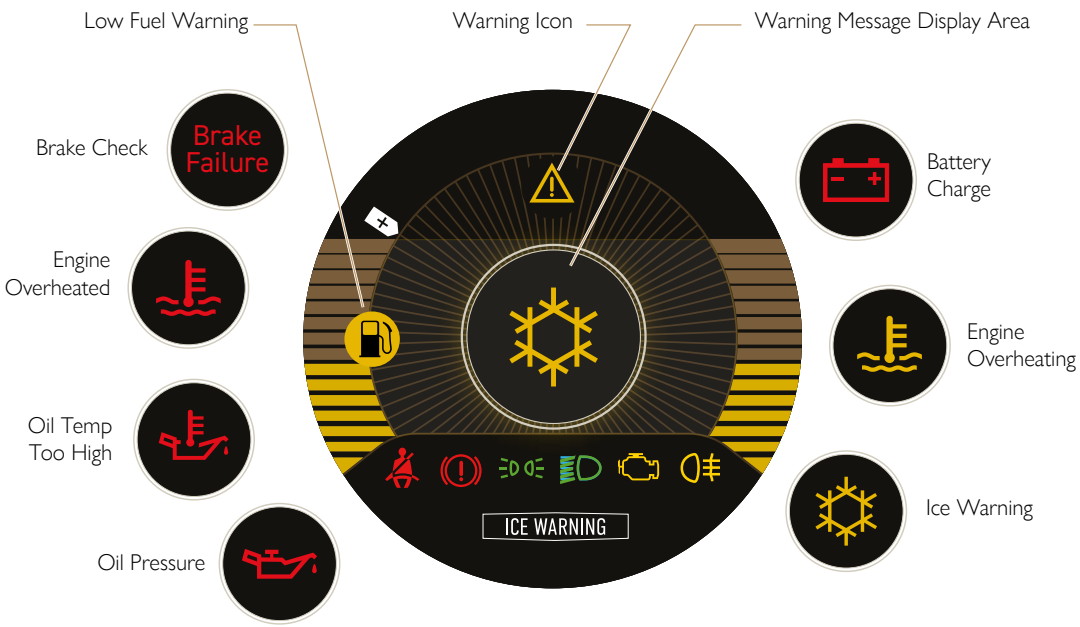
The tachometer display is measured in RPM x 1,000.

FUEL LEVEL WARNING SYMBOL

Once the fuel level is below approximately 5 liters (1.321 US Gallons), the fuel warning symbol will display.

TELL-TALE SYMBOLS

Relevant tell-tale symbols are displayed here.



Seatbelt warning	
Brake Fluid Level or Handbrake On	
Head Lamp Parking Beam active	
Daylight Running Lamps active	
Head Lamp Passing Beam active	
Head Lamp High Beam active	
Check Engine Malfunction Indicator	
Rear Fog Lamp active	

Yellow (caution) warning symbols will replace the center section of the tachometer screen. When a yellow warning symbol is visible, take extra caution and investigate the cause as soon as possible. To clear a yellow warning symbol, PRESS the stalk button. Whenever a yellow warning is present, the check message warning triangle will show - even after the symbol has been cleared.

Red (critical) warning symbols will replace the center section of the tachometer and cannot be cleared until the fault is rectified. When a red warning symbol is visible, stop driving as soon as it is safe to do so and rectify the fault before continuing to drive the vehicle. If more than one red warning symbol is present, the symbols will alternate every 2 seconds.

1



MPH or KPH

HOLD the stalk button to toggle between MPH and KPH Speedometers.

2



Fuel Consumption

PRESS the stalk button to view the fuel consumption in either MPG (miles per US gallon) or l/100km (liters per 100 kilometers). PRESS and HOLD the stalk button to reset the reading.

3



Outside Temperature

PRESS the stalk button to view the outside temperature. PRESS and HOLD the stalk button to toggle between either °C or °F.

4



Trip Meter

PRESS the stalk button to view the trip display which can be used to record a distance from a set starting point. PRESS and HOLD the stalk button to reset the trip meter to zero.

5



Screen Brightness

PRESS the stalk button to view the screen brightness setting. PRESS and HOLD the stalk button to increase brightness and cycle through the 8 levels of brightness. The gauges automatically dim at night.

6



Check Warning Symbol

PRESS the stalk button to view the active yellow warning symbol(s). Note: red warning symbols will remain visible constantly and cannot be cleared until the fault has been rectified.

Start Procedure Warning Symbols

After the ignition is activated, safety warnings will display on the tachometer screen. Before pressing the start button, read and understand the warnings. Typically, the Morgan Super 3 will display the following warnings upon start up:



Lift the cover of the start button and depress the button once to confirm that you agree to and understand the warning messages.

After the first single press of the start button, the vehicle will show the following warning icon:

BRAKE FAILURE: The brake failure warning light will illuminate briefly when the ignition is turned on. The brake failure warning light will illuminate and stay illuminated when there is an issue with the brake(s).

DANGER If the warning light stays illuminated or shows during driving, pull over and stop driving as soon as it is safe to do so. The vehicle must not be driven and should be inspected by an authorized Morgan Technician.

Once the warnings are cleared, depress the button again to start the vehicle.

Quad Lock® Phone Mount (Optional)

The optional Quad Lock® phone mount can be fitted to either of the central front two accessory rails (used also for fly screens if fitted). The bracket is fitted using a screw - please see the 'Accessory Rails' section for more information on how to fit and secure these.

Before use, please consult the manufacturer's instruction booklet and read the health and safety warnings.

⚠ **WARNING** Do not operate devices whilst driving the vehicle.

NOTICE Driver discretion should be used at all times. Be sure to always follow state/region driving rules and laws.

NOTICE Due to the nature of your Morgan, it is easy for thieves to gain access to the inside of the vehicle. Do not leave phones unattended in the vehicle as they may be easily stolen.

Beeline Navigation (Optional)

If the optional Beeline navigation system is specified, the vehicle will come with a mounting bracket fitted to the steering column so that the navigation device is in the driver's view.

To fit the Beeline navigation device to the bracket, simply place the device onto the bracket and twist clockwise until an audible click sound is heard.

Before use, please consult the manufacturer's instruction booklet and read the health and safety warnings.

To remove the bracket from the steering column, remove the nut using a 4mm Allen key then remove the bracket from underneath and re-fit the nut. Ensure that the nut is fully tightened using the 4mm Allen key.

For user instructions, please consult the manufacturer's guidelines.

⚠ **WARNING** Install device and start guidance before driving.

NOTICE Driver discretion should be used at all times. Always follow state/region driving rules and laws.

NOTICE Due to the nature of your Morgan, it is easy for thieves to gain access to the inside of the vehicle. Do not leave the Beeline navigation device unattended in the vehicle as it may be easily stolen.

EXTERIOR

43 Exterior Storage

49 Hood and Trunk

50 Weather Protection

Accessory Rails (Optional)

Patented accessory rails have been designed to allow additional options to be specified on Super 3. The vehicle can be fitted with fixing points that may be used for mounting accessories including wind deflectors, a center-mounted mirror and various luggage options. These accessories can be applied to the sideblades, under the dashboard, on the front bulkhead and on the rear bulkhead.

NOTICE: The optional accessory rails pack(s) must be specified.

Accessories can be fitted to the accessory rails in three ways:

1. Fly Screens: By using the two M6 screws with the fly screen placed underneath the accessory rail.
2. By securing accessories into the M6 threaded hole in the accessory rail. Follow the instructions with the accessory.
3. Using the fixing knob which slides into the keyhole slot.



Above: M6 Screws (1) and M6 Thread (2) (see next page for instructions).

M6 SCREWS AND **M6 THREAD:**

(Illustration on previous page). Fly screens with appropriate holes can be attached using M6 button head screws (1). Remove the accessory rail by undoing the screws then place the fly screen underneath it, aligning the holes in the fly screen to the rivet nuts in the bodywork. Re-fit the screws and tighten using a 4mm hex key. It is recommended that a rubber gasket is placed between the fly screen and the bodywork for protection. Alternatively, accessories with the appropriate adaptors can be screwed into the M6 threaded hole (2).

⚠ **CAUTION** Do not over-tighten as this may cause permanent damage. It is recommended that M6 screws are torqued to 10Nm (7.38 ft-lbs).



FIXING KNOB:

The fixing plates include a keyhole slot which allows the accessory to attach using a fixing knob. Align the end of the fixing knob to the wide end of the keyhole slot and slide it across to the thinner end of the slot. Then, tighten the fixing knob by twisting clockwise by hand. Then, use a tightening bar provided with the vehicle to fully tighten and secure the accessory in place.

⚠ **CAUTION** Items attached to the accessory rails must be fully secured before driving the vehicle.

⚠ **WARNING** Items attached to the accessory rails must not pose a risk to occupants, other road users or pedestrians.

Exo Side Racks (Optional)

When the side blade accessory kit is equipped, optional exo side racks can be fitted to the accessory rails on the side blades. Please follow the instructions on the next page for fitting the side racks.

⚠ **CAUTION** Always lock the side racks when they are fitted. Please refer to the 'Tubular Push Lock' page for more information.

⚠ **CAUTION** Items attached to the exo side racks must be fully secured before driving the vehicle.

⚠ **WARNING** Items attached to the exo side racks must not pose a risk to occupants, other road users or pedestrians.

Exterior Bungee Storage (Optional)

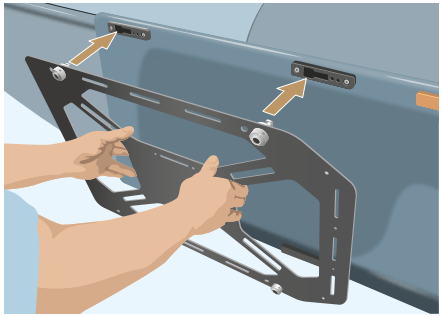
When the side blade accessory kit and exo side racks are equipped, optional bungee cords can be fitted as a method of storing items. Bungee cords assist the securing of luggage to the exo side racks. Additional fastening devices and strategies may need to be considered depending on the item.

⚠ **CAUTION** Ensure that all items are fully secured before driving the vehicle. Travelling at high speeds may cause items to become displaced.

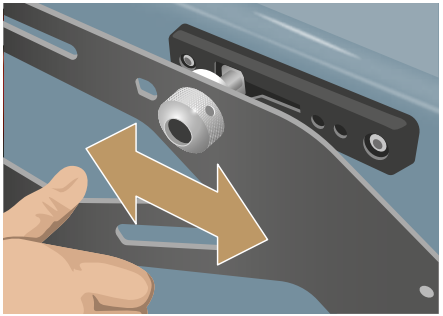
⚠ **CAUTION** Never secure fragile items to the side blades.

NOTICE This space is NOT a lockable area and any belongings stored here should not be left unattended.

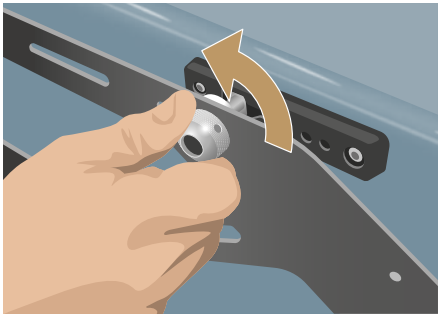
Exo Side Rack Fitting



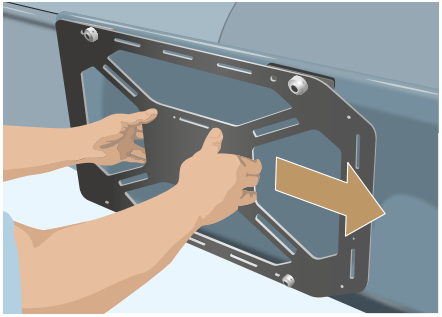
1. Holding the side rack in the middle, align the knobs to the keyhole slots in the accessory rails on the side blade, starting with the bottom two.



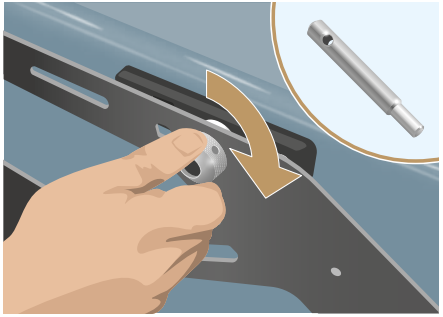
2. Slightly rock the side blade back and forth to allow the knobs to settle in the keyhole slot.



3. Turn the top two fixing knobs counter clockwise to settle the fixings on the flat edge.



4. Holding the side rack in the middle, push the rack towards the front of the vehicle until it engages into place within the accessory rail.



5. Tighten all four fixing knobs by hand by twisting clockwise and then fully secure using the tightening bar provided with the Super 3.

The exo side rack should be locked - please refer to 'Tubular Push Lock' on page 45 for more details.

To remove the side rack, repeat this process in reverse order.

WARNING Avoid loading the tires beyond their approved carrying capacity - never overload the vehicle.

CAUTION Ensure that the side racks are fully secured before moving the vehicle.

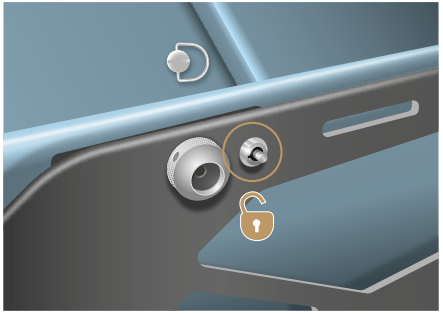
CAUTION The maximum weight that the side racks can support is 18kg (39.7 lbs)each. Do not exceed this weight limit.

Tubular Push Lock

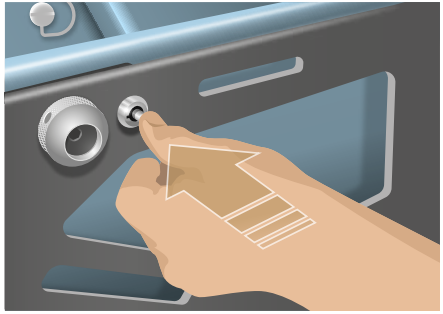
The exo side racks can be locked using a tubular push lock to ensure that the racks and accessories fitted using fixing knobs cannot be removed. The phone mount and hard shell suitcase also use this locking mechanism.



⚠ **CAUTION** Always lock the side racks when fitted.



1. The side rack locking mechanism is located at the front top corner, next to the fixing knob. When the tubular push lock is unlocked, the length of the screw will be extended and visible.



2. To lock, press the end of the screw into the lock until it secures.



3. Image above shows example of the mechanism when it is locked.



4. To unlock, use the key provided to insert into the locking mechanism and twist counter clockwise until the length of the screw extends.



5. Image above shows example of the mechanism when it is unlocked.

Pannier (Optional)

When the side blade accessory kit is equipped, optional pannier luggage can be fitted to the accessory rails on the side blades. The pannier comes with a long shoulder strap which can be fitted using the G-clips on the strap. The pannier also comes with two securing loops which must be fitted to the accessory rails on the side blades before use (please see illustration below). An optional pannier cover can be fitted to the top of the pannier to protect against any harsh conditions such as severe wet weather and mud. To fully protect your valuables from moisture and dust, we recommend that they are placed inside a Dry Bag.

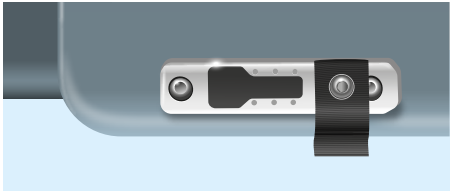
NOTICE Pannier luggage can fade if left in direct sunlight for long periods of time, this is part of the ageing process and is something to be cherished.

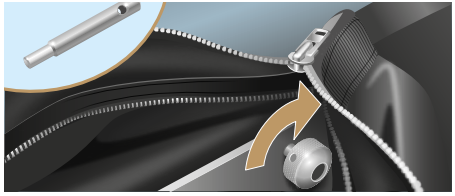
Hard Shell Case (Optional)

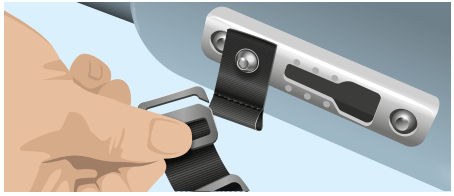
When the side blade accessory kit is equipped, optional hard shell cases can be fitted to the accessory rails on the side blades. This can be done using the same method as the side rack fitting. Please refer to the 'Exo Side Rack Fitting' instructions on page 44 for details. The hard shell suitcase can be locked using a tubular push lock - please refer to 'Tubular Push Lock' on page 45 for details.

⚠ **WARNING** Ensure the case(s) are fully secured before driving the vehicle.

HOW TO FIT THE PANNIER:







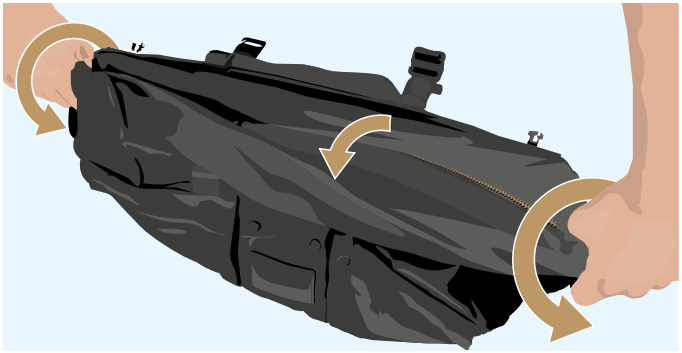
1. When you first receive your pannier, the securing loops must be screwed into the M6 fixing hole in each of the two lower accessory rails on the side blade. Ensure this is fully tightened.

⚠ **CAUTION Do not over-tighten** as this may cause permanent damage. For reference, it is recommended that M6 screws are torqued to 10Nm (7.38 ft-lbs).

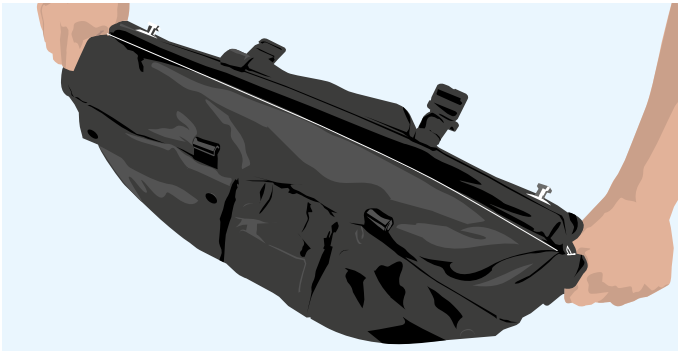
2. Lift the pannier onto the side rack and align the knobs to the keyhole slots in the side blade accessory rails and fit using the same method as the side racks. (See 'Side Rack Fitting', page 44).
3. Inside the inner zip of the pannier, tighten the universal fixing knob by twisting clockwise. Tighten further using the tightening bar provided.
4. Once the pannier is attached to the accessory rails at the top, use the G-clip to secure the bottom of the bag to the securing loops and tighten the adjustable straps.

⚠ **CAUTION** Ensure the pannier(s) are fully secured and closed before driving the vehicle.

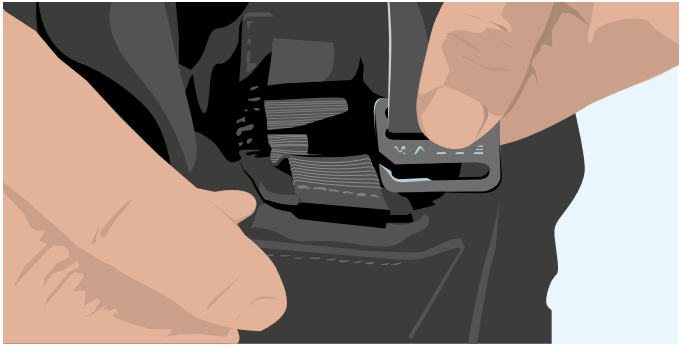
Pannier Cover Fitting (Optional)



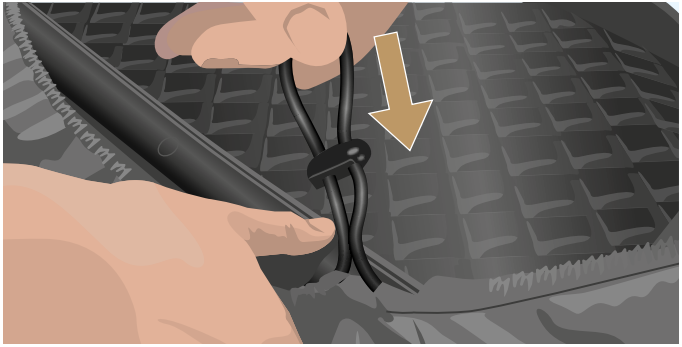
1. Close the zip and roll the top edge towards the front of the pannier.



2. Continue to roll towards the front of the pannier, holding the G-hooks.



3. Secure the bag by threading the G-hooks through the loop.



4. Place the pannier cover over the front of the bag and tighten the pull cord.

Luggage Rack (Optional)

The Morgan Super 3 has an optional luggage rack which can be fitted to the rear of the vehicle, over the boot. The luggage rack can be used to mount additional luggage or equipment.

CAUTION Do NOT open the boot whilst the luggage rack is down. Releasing the boot latch before lifting the Luggage Rack may result in damage to the boot surface.

CAUTION Take care not to damage the paintwork of the vehicle when using the luggage rack or mounting luggage.

NOTICE This space is NOT a lockable area. Any belongings stored here should not be left unattended.

WARNING Always ensure that the luggage rack and any luggage is securely mounted before driving.

WARNING Avoid loading the tyres beyond their approved carrying capacity - never overload the vehicle.

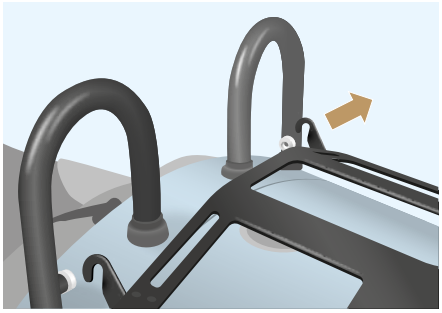
WARNING The maximum weight that the luggage rack can support is 18kg (40lbs). Do not exceed this weight limit.

WARNING Lifting the luggage rack with heavy items attached may cause damage or injury.

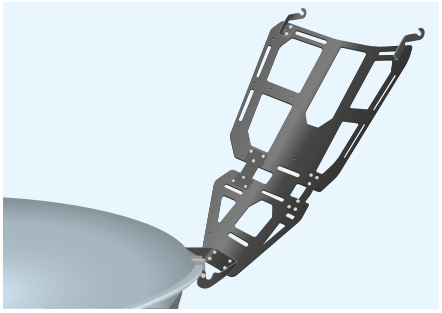
HOW TO LIFT UP THE LUGGAGE RACK TO ACCESS THE BOOT:



1. Remove any heavy items from the luggage rack. Loosen the two fixing knobs attached to the cockpit hoops using the bar provided.



2. Lift the Luggage Rack, being careful not to put undue stress on the rear hinge as it reaches its fully opened position.



3. Once the luggage rack is lifted, as shown, the trunk can be opened. Release the trunk lever and open as described on page 49.

Opening and Closing the Hood

To open the hood on your Morgan Super 3, first rotate all four retaining fasteners counter clockwise until they become unlatched. With one person stood on each side of the vehicle, lift up and away from the vehicle, ensuring that no damage is done to the body panels. To close, repeat in reverse.

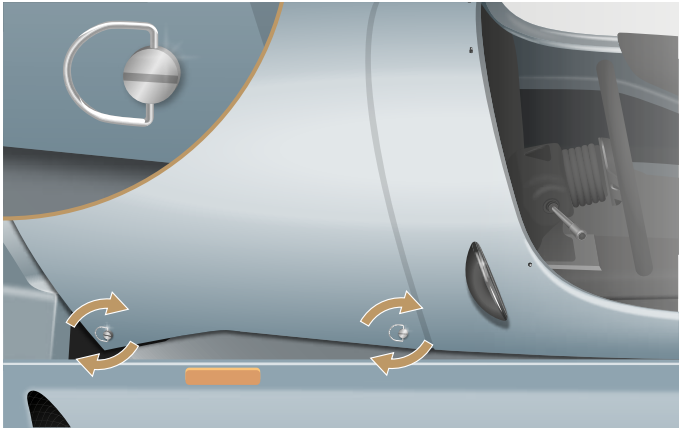
NOTICE Morgan recommend that two people lift and carry the hood.

⚠ **WARNING** The front of the vehicle, near the engine, can become very hot. Danger of serious personal injury if touched.

⚠ **WARNING** Never drive the vehicle with the hood open/removed. Check that the hood is secure before driving the vehicle.

⚠ **WARNING** Always take care when opening hood in windy weather conditions. The wind may cause the hood to fall causing serious injury to yourself or others.

⚠ **CAUTION** The hood is not hinged. Take care when opening the hood.



Opening and Closing the Trunk

The Super 3 has luggage space beneath the tail of the vehicle. This area is accessed by using the metal lever located between the seat belt mechanism.

1. Push the metal lever to the right of the vehicle to release the trunk.
2. Push and hold it to the left whilst lifting the trunk panel up towards the rear.

To close the trunk, push down either side of the fuel filler so that securing pins engage.

⚠ **WARNING** Always take care when opening trunk in windy weather conditions. The wind may cause the trunk to fall causing serious injury to yourself or others.

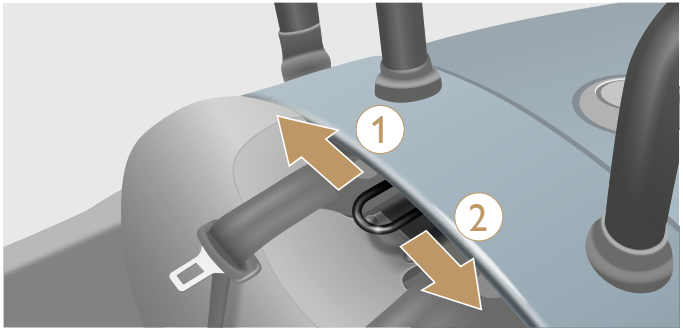
⚠ **WARNING** Never put animals or people in the trunk space.

⚠ **CAUTION** Ensure that the trunk is fully closed and secured before driving.

⚠ **CAUTION** Items stored in the trunk may become hot.

NOTICE This space is NOT a lockable area and any belongings stored in here should not be left unattended.

NOTICE Please note that the trunk is NOT a 100% waterproof area.



Tonneau Cover (Optional)

The optional tonneau cover will allow the owner to cover all of the cockpit when not in use or only half the cockpit when travelling alone and wishing to protect as much of the interior as possible. The cover will provide considerable water protection and prolong the life of the interior.

If fitting both sides of the tonneau, zip the two halves together on a clean surface before fitting to the vehicle. Fit the correct center patch (opposite) to the tonneau and secure with the poppers. Ensure that the correct patch is fitted, depending on whether the fly screens are fitted or not.



Without fly screens



With fly screens

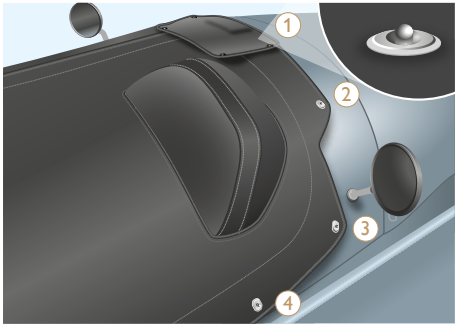
DANGER Beware of hot exhaust when fitting tonneau cover.

DANGER Never try to install the cover whilst the vehicle is moving. If the vehicle has been operating recently, be aware of hot components.

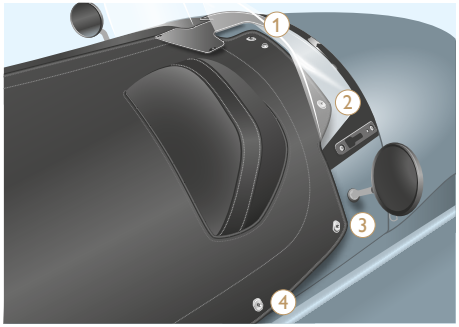
WARNING The center patch should only be fitted on stationary vehicles with both halves of the tonneau fitted and should not be used whilst driving.

CAUTION When the tonneau is in the half open position take care to prevent loose material from rubbing against itself or other parts of the vehicle. Failure to do this may result in damage to the tonneau or paintwork.

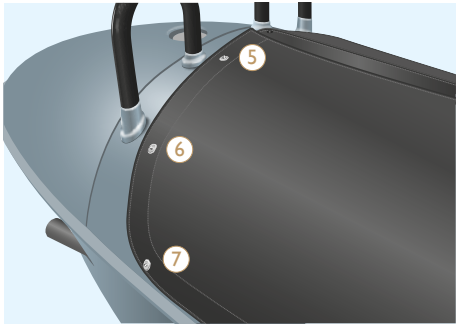
CAUTION Be sure not to damage the paintwork with the metal components on the tonneau whilst fitting.



1. Place the tonneau over the cockpit and push fit the pins in the order shown, starting at the front of the vehicle in the center of the scuttle.



1. The image above shows example with fly screens.



2. Push fit the pins at the rear of the tonneau in the order shown. To remove, repeat this process in reverse. Store the tonneau in a clean, dry place.

Rain Cover (Optional)

The static rain cover can be used to provide considerable water protection and prolong the life of the interior when the vehicle is not being driven.

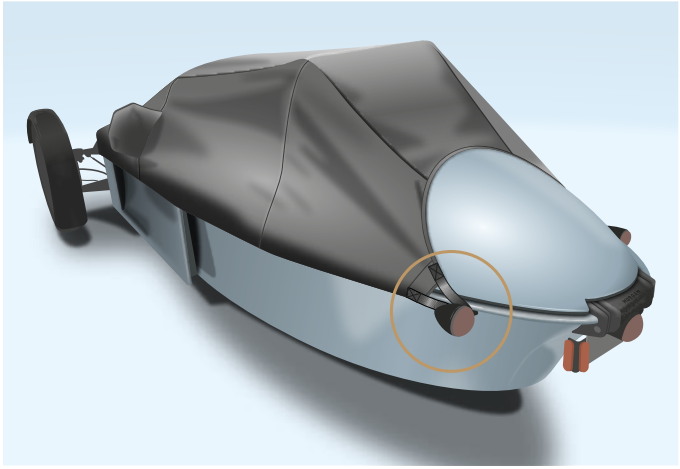
Ensure that the rain cover is the right way up so that the waterproof side of the material is on the outside (the visible seams are on the inside) that the cover is the correct orientation (with the clip fastener straps at the front).

NOTICE The rain cover is suitable for light to moderate weather conditions only. In very windy conditions, driven rain may get under the covers.

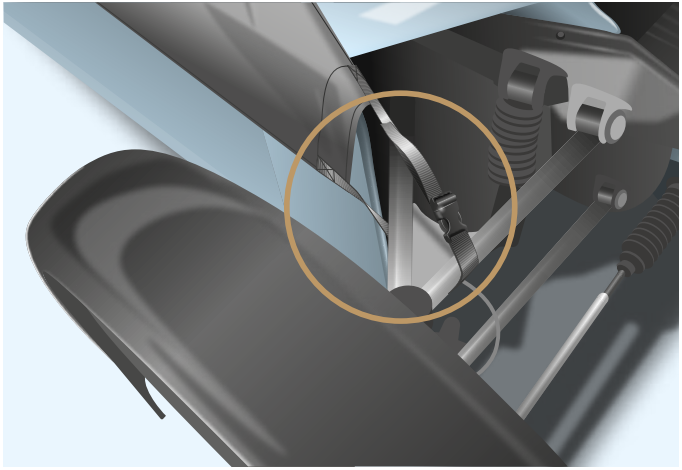
DANGER Beware of hot exhaust when fitting tonneau cover.

DANGER Allow the vehicle time to cool down after being driven before fitting the rain cover.

WARNING Remove the rain cover before operating the vehicle.



1. The rain cover should be looped around the rear light stalks and then brought forwards to fit the mirrors in the appropriate space in the cover.



2. Attach the front straps to the suspension arms and fasten the clips to secure the cover in place. Remove the cover before driving.

CAUTION Do not over-tighten the front straps.

OPERATING THE VEHICLE

54 Starting Procedure

55 Pedal Position Adjustment

56 Driving Controls

58 Fuel Filling

Pre-Drive Checklist

Before every journey, always perform the pre-drive checklist:

1. Check hood is secure. Please refer to “Hood and Trunk” on page 49.
2. Check trunk is secure. Please refer to “Hood and Trunk” on page 49.
3. Check pedal box is securely latched.
   Please refer to “Pedal Position Adjustment” on page 55.
4. Check tonneau is securely fastened if fitted.
   Please refer to “Tonneau Cover (Optional)” on page 50.
5. Check seat belt condition.
6. Check any luggage or items attached to universal fittings, luggage racks or internal stowage are secured.
7. Adjust mirrors to proper driving positions.
8. Check the engine oil level. Please refer to “Engine Oil Measurement” on page 69.
9. Check brake fluid level. Please refer to “Brake Fluid Level Check” on page 68.
10. Inspect brake pads and discs for wear.
11. Check the foot controls are operating properly.
12. Check steering for smoothness by turning the wheel through the full operating range.

13. Check that the tires are inflated to the specified tire pressures. This information can be found on the vehicle's Tire Placard Label located underneath the center of the dashboard or please refer to "Wheels and Tires" on page 17.
14. Check for any fluid leaks (e.g. fuel or oil).
15. Check drive belt for wear or damage.
16. Check horn operation.
17. Check electrical equipment operation (including stop lamp, turn signals, and headlamps).
18. Have your motorcycle serviced as necessary.

Ignition Switch/Steering Lock

The ignition switch is located on the steering column and has 3 positions.

1st Position: Steering wheel lock in operation and ignition off, key can be extracted.

2nd Position: Ignition switched on. In this position, press and hold the start button whilst pressing the clutch pedal to start the engine.

3rd Position: Crank (factory start) position. Holding the key in this position for 5 seconds will start the engine.

DANGER Never allow the vehicle to move unless the steering lock is deactivated. Failure to do so may result in serious injury or death.

Starting Procedure

Before every journey, always perform the pre-drive checklist. Before attempting to start the Super 3, make certain that the handbrake is fully applied and the vehicle is in neutral. Depress the clutch.

WARNING Ensure that the vehicle is in neutral before starting the engine to prevent unintentional movement, which could result in serious injury or death.

CAUTION Do not operate the accelerator pedal when starting. Turn the key and ensure that the ignition/steering lock is free. Never allow the vehicle to move with the steering lock engaged.

Rotate the key forward to the 2nd ignition position. Once ignition is activated the vehicle can be started. To start; first read the warnings on the driver information panel screens (refer to the '*Warning Icons*' page for more information). Then, lift the cover of the start button and depress the button once to confirm that you agree to and understand the warning messages. Depress the button again to start the vehicle, releasing the button as soon as the engine is operating.

If the engine does not start, release the button, pause for ten seconds and try again. Do not operate the starter for more than 6 seconds at a time. If the engine still fails to start, switch off the ignition and investigate the cause.

DANGER Carbon Monoxide is dangerous. Do not breathe exhaust gases, which contain Carbon Monoxide. Before starting any vehicle, be sure that there is sufficient ventilation to allow gases to escape.

CAUTION Continued operation of the starter will discharge the battery and damage the starter.

Warming Up

As soon as the engine is operating and the instruments are reading correctly, the vehicle may be driven. The idle speed will be adjusted by the fuel injection and may run a little higher than normal while the engine is cold. The idle speed may also fluctuate for a short time when electrical equipment is switched on.

⚠ **CAUTION** Continued operation of the starter will discharge the battery and damage the starter. Engine wear will be increase when the vehicle has not yet reached operating temperature. Morgan recommend not using excessively high engine revs or labouring the engine until it reaches operating temperature.

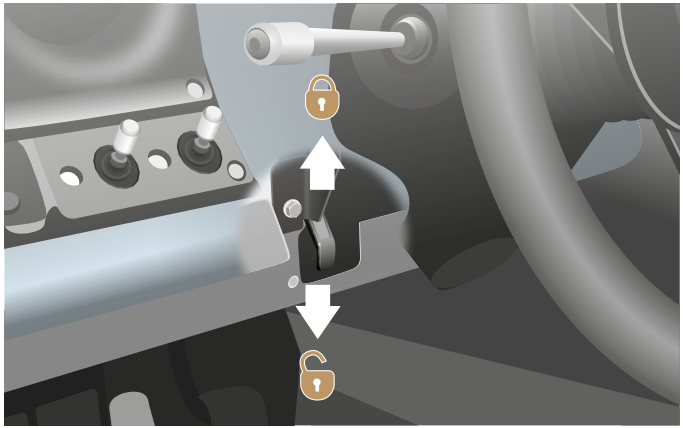
NOTICE When the vehicle reaches normal operating temperature, check that all the instruments are reading correctly. Under cold conditions, the gearbox may appear stiff until normal operating temperature is reached. During this period, allow extra time for gear changes.

Steering Column Adjustment

It is important to have the steering controls in the correct position for the driver. The steering column in the Morgan Super 3 can be adjusted up or down and forwards or backwards. Push the lever backwards to adjust the position and then pull it forward to lock the position.

⚠ **WARNING** Only adjust the steering column position when the vehicle is stationary and the hand brake is applied. Failure to do this may result in a crash causing possible damage or injury to the driver or others.

⚠ **WARNING** Ensure that the steering column height is locked in position before driving the vehicle.



Location of the Steering Column Adjustment Locking Lever.

Pedal Box Assembly Position

The seats in a Morgan Super 3 are permanently fixed in position and secured to the monocoque. Safe operation of your Super 3 will require you to adjust the pedal box.

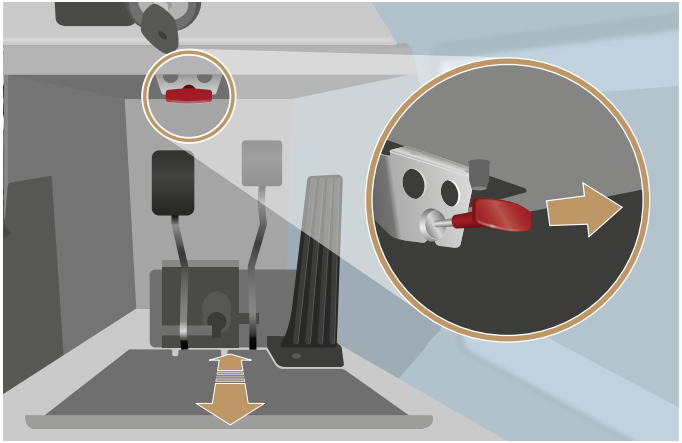
To move the pedal box assembly, ensure that the vehicle is stationary, the handbrake is engaged and follow the steps below:

1. Whilst sat in the driver's seat, locate the bright red lever underneath the dashboard and steering column in the footwell.
2. Gently pull the lever towards you whilst lightly moving the pedal box forwards and backwards with your feet.
3. Once the pedal box releases, hold release lever in the pulled position ` whilst sliding the pedal box into the desired position.
4. Let go of the lever and push the pedal box assembly away from you until it secures in place so that the pedal box assembly can no longer be moved and an audible 'click' noise is heard.

⚠ **WARNING** Ensure that the pedal box assembly is fully locked and secured in place to prevent it moving whilst driving. In some instances, an audible 'click' noise may not be heard. Always check that the pedal box is locked in position by gently moving the pedal box assembly forwards and backwards with your feet without pulling the release lever.

⚠ **WARNING** The pedal box assembly must be adjusted to the correct position for the driver before driving so that adequate pressure can be exerted on the pedals throughout their travel.

⚠ **WARNING** Do not adjust the pedal box assembly position whilst the vehicle is moving.



Location of the Pedal Box Assembly Adjustment Lever.

Foot Controls

The pedals are arranged with the accelerator pedal on the right, the brake pedal in the middle, and the clutch pedal on the left. The positions of these controls are adjustable. Please see the **'Pedal Position Adjustment'** section for more information.

⚠ **WARNING** It is essential that all foot-operated controls are free of trim and any other items that may interfere with their operation.

⚠ **WARNING** When driving, suitable footwear should be worn. Wearing incorrect or no footwear may inhibit your ability to operate the foot pedals resulting in a crash. It is essential that all foot pedals are free of obstructions that may interfere with their operation.

Brake Pedal

Your Morgan Super 3 is equipped with a high performance braking system. Full performance will be achieved once the system is fully bedded in.

Clutch Pedal

⚠ **CAUTION** Ensure the clutch is fully depressed when changing gear. Failure to do so may result in damage to the transmission system.

⚠ **CAUTION** Do not 'slip' or hold the vehicle on the clutch for more than a few moments. Excessive slipping or holding the vehicle on the clutch when on a slope will cause wear and damage to the clutch system.

⚠ **CAUTION** Do not rest your foot on the clutch pedal whilst driving.

Accelerator Pedal

NOTICE Do not push the accelerator pedal when starting the vehicle.

Steering Wheel

⚠ **WARNING** It is recommended that only Morgan approved steering wheels are fitted to a Morgan Super 3.

NOTICE Driving characteristics may vary slightly between different steering wheel options.

Gear Shift Lever



The gear positions are laid out in an 'H' pattern. When in neutral, the gear shift lever will naturally sit between 3rd and 4th gear.

⚠ **WARNING** Down shifting gears too early could cause the rear wheel to break traction and lead to loss of vehicle control. This could result in serious injury or death. Extra care should be taken in corners and poor traction conditions. Follow the recommended gear shift points detailed below.

⚠ **CAUTION** Down shifting gears too early could cause the engine to exceed its maximum speed and may cause damage.

SUGGESTED GEAR SHIFT POINTS:

GEAR	MPH	KM/H
1st to 2nd	10	16
2nd to 3rd	20	32
3rd to 4th	30	48
4th to 5th	40	64

GEAR	MPH	KM/H
5th to 4th	40	64
4th to 3rd	30	48
3rd to 2nd	20	32
2nd to 1st	10	16

Reverse Gear

Before engaging the reverse gear, ensure that the vehicle is stationary and the clutch pedal is fully depressed. Move the gear shift lever fully to the right and then rearwards to engage the reverse gear. The gear shift lever must be in the neutral position before engaging the reverse gear.

⚠ **CAUTION** Ensure the clutch is fully depressed when changing gear. Failure to do so may result in damage to the transmission system.

Parking Brake

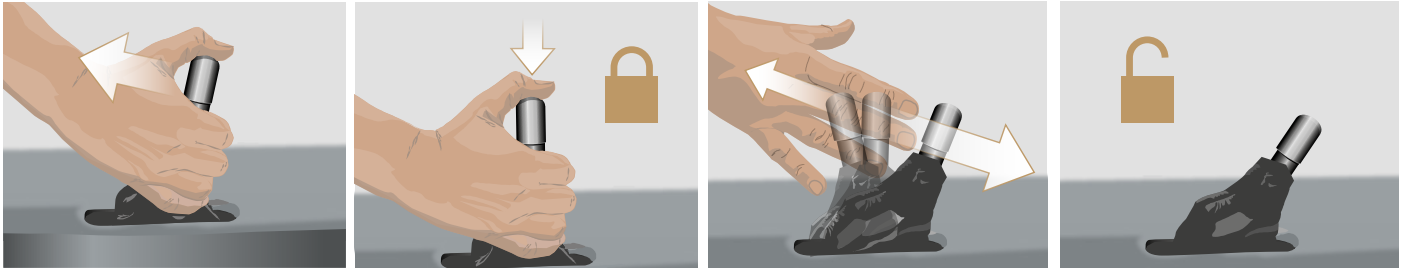
The parking brake on your Morgan Super 3 operates on the rear wheel. The parking brake lever is a "fly-off" type. To secure the parking brake, press the button on the top of the lever down. Whilst continuing to depress the button gently release the lever until the parking brake locks in position. To release the parking brake, pull the lever backwards until the button releases itself then release the lever forwards.

NOTICE Study the illustrations on this page and understand fully how to operate the parking brake before attempting to drive the vehicle.

⚠ **WARNING** Ensure the parking brake is securely applied, especially when the brake system is hot.

⚠ **CAUTION** Ensure the parking brake is fully released before driving the vehicle. Failure to do so may result in damage to brake system and drivetrain components.

PARKING BRAKE OPERATION:



FUEL FILLING

The Morgan Super 3 must be fueled with unleaded gasoline. The Morgan Super 3 will run satisfactorily on premium unleaded gasoline with an octane rating of 91 - 94. Using fuel with a lower octane rating may cause knocking (pinging) that in severe cases can cause damage to the engine and it's components.
The Morgan Super 3 must be fueled with either of the following fuel types: E5 E10

WARNING Do not attempt to further fill the tank after the auto shut-off has stopped the pump. Do not over fill because fuel could run off the body over the hot exhaust.

WARNING The engine must be switched off before refueling.

WARNING Do not use gas pump trigger (auto) lock.

The United States' Clean Air Act prohibits the use of gasoline blends containing greater than 10% ethanol in motorcycles. Obey local laws regarding fuel filling.

CAUTION Using incorrect fuel in the vehicle may cause damage to the engine and emission control components. Damage caused to the vehicle as a result of the use of improper fuel is not covered by the manufacturer's warranty.

The fuel filler cap is located centrally on top of the vehicle directly behind the cockpit. When filling the tank, place the fuel filler nozzle into the filler neck and fill until the auto-shut off stops the fuel filling pump.

CAUTION Do not leave the vehicle unattended whilst refueling.

NOTICE The fuel filler cap on a Morgan Super 3 is not lockable.

After filling with fuel, reverse the procedure to seal the fuel tank. The fuel filler cap must be cleaned on a regular basis, especially after the filler cap has been exposed to water, road salt or other elements.

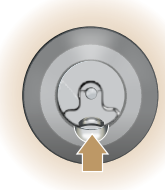
WARNING When removing the filler cap, do so slowly. Failure to do this may result in fuel spray causing serious injury and a fire hazard.

WARNING Gasoline and its fumes are highly flammable. When filling the vehicle with fuel, ensure the engine is turned off, switch off mobile phones and ensure there are no naked flames or other potential ignition sources present.

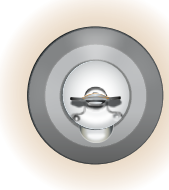
WARNING Do not use aftermarket fuel caps as these may leak, which could result in serious injury or death.

CAUTION Failure to properly seal the fuel filler cap may result in the emission system not operating correctly causing the engine check light to illuminate.

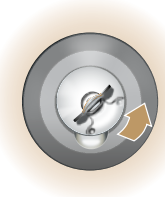
CAUTION Care must be taken not to damage the paint work of the Super 3. Lay the filler cap down carefully against the outer filler ring.



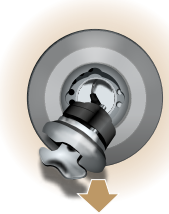
1. Locate lift tab



2. Lift up tab



3. Gently rotate counter clockwise until slight resistance is felt



4. Relax the rotational movement and pull out



MAINTENANCE

61 Tires

63 Lifting and Towing

64 Engine Bay General Layout

65 Jump Starting

65 Fuses

66 Battery

68 Brakes and Brake Fluid

69 Maintenance Checks

74 Chain Maintenance

81 Cleaning

DANGER Poorly maintained and improperly used tires are dangerous and may cause a crash resulting in serious injury or death.

DANGER Tires must not exceed their loading limits. Overloading of tires can cause blowouts resulting in crashes causing serious injury or death. See 'Tire Placard Label'.

WARNING Tires must be inflated to the correct pressures. Over or under inflated tires can cause blowouts resulting in crashes causing serious injury or death. See 'Tire Placard Label'.

WARNING Tires matching the correct manufacturer's specification must be used. Using incorrect tires can affect the handling of the vehicle, which can cause a crash resulting in serious injury or death.

WARNING Continuing to drive the vehicle with a damaged tire could result in further damage and serious injury.

WARNING Tires should be regularly inspected for any signs of damage, and for any uneven tread wear. Uneven tread wear may indicate that the steering or suspension system may require inspection from an authorized Morgan technician.

WARNING Take care to avoid tire contact with curbs. Contact with the curb can cause internal damage to the tire that may not be visibly apparent. Damage may also be caused if the tire strikes potholes, rocks or other highway debris.

WARNING If the wheels or tires have been damaged, have them replaced.

WARNING Morgan recommend that tires are replaced before the legal tread depth limits are reached.

⚠ **WARNING** Always replace both front tires at the same time.

⚠ **WARNING** New tires will contain release agent on the outer surface that may take several miles to clear. Always drive extra carefully on new tires.

Glossary of Terms

Cold Tire Inflation Pressure
Check and adjust tire pressures when the tires are cold, the vehicle must have been stationary for 3 hours or driven less than 1 mile.

Recommended Inflation Pressure
The cold tire inflation pressure is stated on the tire and loading placard, located underneath the center of the dashboard.

Maximum Inflation Pressure
The maximum inflation pressure of the tires must not exceed the cold tire inflation pressure.

Cold Tire Inflation Pressure

Morgan recommend that the tires should be inflated to the specified tire pressures. This information can be found on the vehicle's Tire Placard Label located underneath the center of the dashboard or in the 'Wheels and Tires' section in the Technical Information pages at the front of this handbook.

To measure and adjust the tires, remove the dust caps from the valves on the inside face of the wheels and connect the measuring/inflation device. Follow the instruction supplied with the measuring/adjusting device to measure/adjust the tire pressures. When you have finished, remove the measuring/adjusting device and refit the dust caps to the valve.

Tire Care

Wear indicators are moulded into the bottom of the tread grooves at intervals around the tire, indicated by small pointers on the outer tread blocks. The tires should be replaced before being worn to the minimum legal tread depth.

The cold tire pressures should be checked every week, or every 1,000 miles (1,600 km), whichever is the sooner, and corrections made as necessary. See 'Wheels and Tires' in the Technical Information section at the front of the handbook for tire pressures. It is important that the tire pressures are adjusted only when the Tires are cold (when the vehicle has been standing for a minimum of 3 hours, or driven less than 1 mile). Always replace the tire valve dust cap to prevent dirt and moisture getting into the valve, which could cause leakage.

Replacement Tires and Tire Quality Grading

NOTICE The standard fitment front and rear tires have been carefully selected by Morgan Motor Company to give balanced handling.

⚠ **WARNING** Tires should always be replaced with a Morgan approved tire or tire of equal quality grading. Please refer to the 'Wheels and Tires' section in the Technical Information pages at the front of this handbook.

Direction of Rotation

The Morgan specified tires fitted to a Morgan Super 3 are directional tires. This is shown with an arrow marking pointing to the direction of wheel rotation. Always ensure tires are fitted in the correct direction.

Tire Size Markings

The sidewall of the tire will be marked with the tire size, for example:
130/90R20 M/C 71V

130 is the nominal width of the tire in mm, 90 is the height of the cross section of the tire expressed as a percentage of the width, R is the tire construction in this case radial, 20 is the rim diameter in inches, 71 is the tire load index and V is the tire speed rating. M/C means that the tire is specifically for a motorcycle - this will be on the front tires but not the rear tire.



Tire Placard/Label

The tire and loading information label is located underneath the center of the dashboard and specifies the correct size and pressure of tires to be used.

Gross Vehicle Weight Rating

DANGER Do not exceed the GVWR (Gross Vehicle Weight Rating), or front or rear GAWR (Gross Axle Weight Rating). Exceeding these limits may cause unstable handling or vehicle or tire damage, which could cause a crash in which the driver or others could be seriously injured or killed. The vehicles GVWR can be found next to VIN plate located underneath the center of the dashboard.

CAUTION The Morgan Super 3 must never be used to tow a trailer.

Changing a Wheel

Wheels should be changed at a Morgan dealership where the vehicle can be raised using specialist equipment. See 'LIFTING THE VEHICLE.'

Flat Tire (Emergency Tire Repair)

In the event of sustaining a flat tire, contact your nearest Morgan dealer or a vehicle recovery company. If your vehicle carries a puncture repair kit, follow the instructions with the kit.

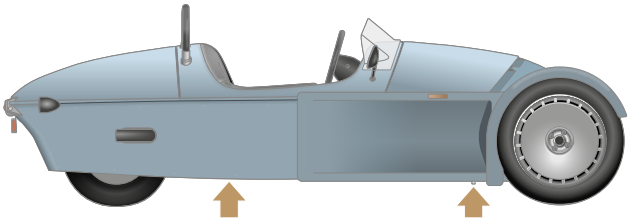
WARNING Replace tires if punctured or damaged. In some cases, small punctures in the tread area may be repaired from inside the removed tire by an Authorized Morgan Technician or a tire specialist. Speed should NOT exceed 80 km/h (50 mph) for the first 24 hours after repair. The repaired tire should NEVER be used when travelling over 129 km/h (80 mph). Failure to follow this warning could lead to tire failure and result in serious injury or death.

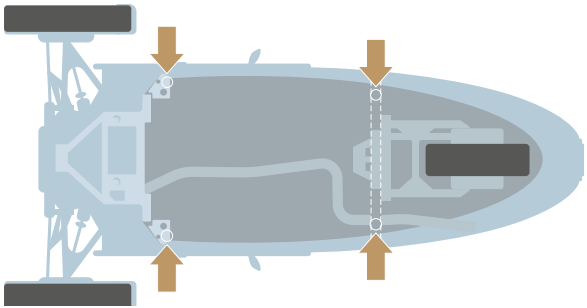
Lifting the Vehicle

Wheels should be changed at a Morgan dealership where the vehicle can be raised using specialist equipment. Morgan does not recommend the vehicle is lifted so that both front wheels are off the ground at the same time.

NOTICE: Care should be taken not to damage the brake pipes, wiring or any other components. Care should be taken to avoid burns if the exhaust is hot.

CAUTION When moving the vehicle, do not push or pull on the steering wheel.





DANGER Lifting a vehicle using a jack can be dangerous. If the vehicle falls off the jack at any time you or others may be seriously injured or even killed. Never work on a vehicle supported by a jack without securing the vehicle on chassis stands.

WARNING Morgan recommend that the vehicle is only be lifted using a professional post lift or hydraulic ramp. Never use a 4 post ramp or an inspection pit.

WARNING Never lift the vehicle when the engine is operating.

WARNING Only lift the vehicle at the reinforced jacking points (illustrated, left).

Towing

The Super 3 must not be towed behind another vehicle. Morgan recommend the Super 3 is recovered using an appropriate vehicle transporter. A qualified towing agent should be able to advise on a correct and safest method of recovery. The vehicle may need to be pushed or rolled, for example, onto an appropriate vehicle transporter. Before pushing, ensure that the ignition key is in position 2, vehicle is in neutral and the steering lock is released.

WARNING Morgan does not recommend the vehicle is lifted so that both front wheels are off the ground at the same time when using a jack as the vehicle will be unstable and may fall off the jack causing damage or injury.

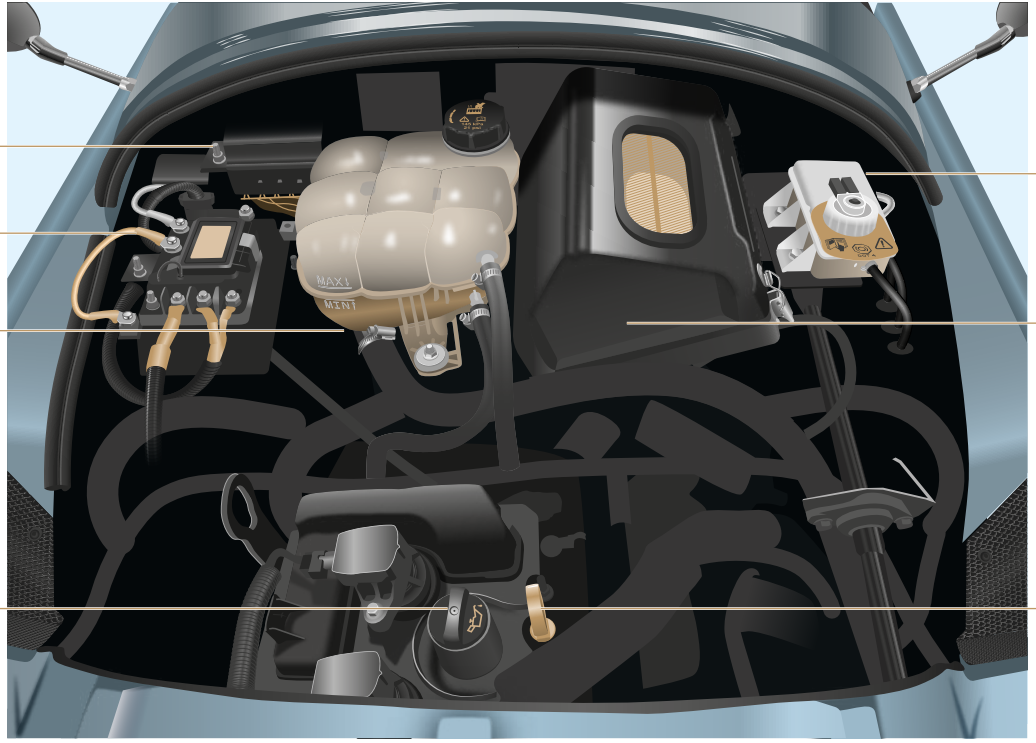
WARNING Do not push the vehicle using the steering wheel or accessories.

WARNING Observe local laws and regulations regarding towing.

WARNING Do not use a Morgan Super 3 to tow trailers or other vehicles.

NOTICE It is always best to transport the vehicle using vehicle transporters rather than towing a vehicle. When moving a vehicle using vehicle transporters, secure the vehicle using wheel chocks and straps to secure the wheels. Do not secure the vehicle using the bodywork or suspension components.

ENGINE BAY GENERAL LAYOUT



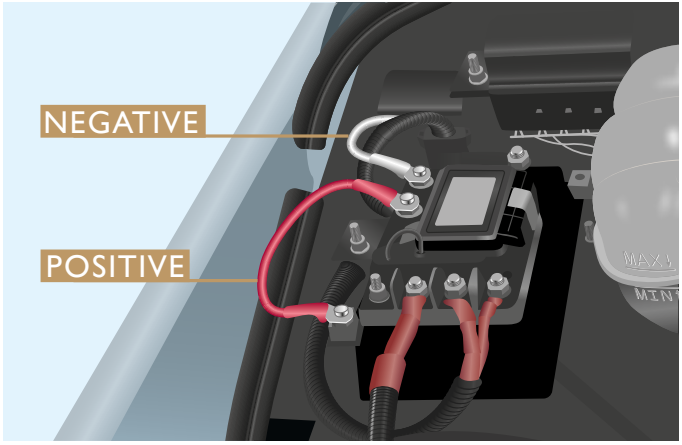
Jump Starting

To Jump start a Morgan Super 3, always connect the positive jump cable first and the negative cable second. Always disconnect in the reverse order. The jump leads should be connected directly to the battery terminals.

⚠ **WARNING** Connecting the jump-starting cables in the incorrect order may cause serious injury.

⚠ **CAUTION** Not connecting jump-starting cables correctly may result in damage to a vehicle's electrical system.

⚠ **CAUTION** Care must be taken to avoid short-circuits when jump-starting your Morgan Super 3.



Replacing Fuses

The Morgan Super 3 has a Main Fuse Box, a Powertrain Fuse Box and a Power Distribution Unit. These are both located behind the battery which is under the hood on the passenger side. To access the two fuse boxes, release the lid fasteners by squeezing them inwards and lift up the covers. Use the fuse layout schematics on the fuse box lids to identify a blown fuse, pull it out and replace it with a spare fuse of the same rating.

⚠ **CAUTION** Never make modifications or additions to the electrical circuit or components on your Morgan Super 3. Carefully replace blown fuses with a spare fuse of the same rating.

⚠ **CAUTION** Working Morgan Super 3 electrical components should be performed by a Morgan authorized technician.

Battery

The Morgan Super 3 uses a “maintenance free” battery which is located under the hood on the passenger side of the vehicle. If the battery is required to be removed from the vehicle this should normally be performed by a Morgan dealer. Whenever the battery requires removal/refitting, the terminals should be cleaned and covered in petroleum jelly.

The battery will discharge gradually if the vehicle is not used. If the vehicle is left standing for more than 2 weeks, or started and stopped frequently over short distances, then it is advised that a battery conditioner is used to maintain the battery correctly. Please speak to your supplying Morgan Dealer about battery conditioners. If a battery is allowed to discharge fully, this will damage the battery leading to failure and this will not be covered on the vehicle’s warranty.

DANGER Batteries contain acid based liquids; avoid contact with skin, eyes or clothing. If battery acid is in contact with the skin or eyes flush with copious amounts of water. Remove contaminated clothes immediately. Seek medical attention. If ingested do not induce vomiting or ingest any fluids, seek immediate medical attention.

DANGER Batteries produce explosive gases; keep isolated from potential ignition sources.

WARNING Always disconnect the negative terminal first. Always disconnect the battery when working on a vehicle.

WARNING Wear a protective face shield, rubberized gloves and protective clothing when working with batteries.

WARNING Never short circuit a battery, short-circuiting a battery may result in serious burns.

WARNING The front of the vehicle, near the engine, can become very hot. Danger of serious personal injury if touched.

WARNING Keep batteries away from children.

WARNING Ensure battery terminals are always isolated.

WARNING Observe all warnings as shown on the battery. Failure to read and understand all precautions contained in warning, could result in serious injury or death. Never remove warning label from battery.

Brakes and Brake Fluid Reservoir

DANGER Brake fluid is hazardous and will cause illness or death if swallowed.

DANGER Using incorrect brake components or excessively worn components will affect your braking system and may result in a crash causing serious injury or death.

DANGER The importance of brake maintenance cannot be over-stressed. The owner is legally required to keep the braking system at a satisfactory performance level.

DANGER Do not clean brake discs with cleaners containing silicone or chlorine. Cleaners containing silicone or chlorine may impair brake function, which could result in serious injury or death.

DANGER Understand that the Morgan Super 3 is not fitted with anti-lock braking systems or electronic stability control systems.

WARNING Any sudden drop in reservoir fluid level or operation standards must be reported immediately to an authorized Morgan technician.

WARNING Never make modifications to the braking system. It is recommended that an authorized Morgan Technician should carry out all repairs and brake services.

WARNING Care must be taken when handling brake fluid, as it may cause skin problems. Follow manufacturers instructions carefully.

WARNING Front brake pads and linings must be renewed at the same time. Failure to do so will seriously affect the operation of the system.

WARNING Use only new brake fluid.

CAUTION Brake fluid will damage paint and other finished surfaces.

CAUTION Use only the specified brake fluid; using the incorrect fluid may cause damage to the brake system.

NOTICE Never leave brake fluid exposed to the air, as it will absorb moisture.

The brake failure warning light will illuminate briefly when the ignition is turned on and then disappear. The brake failure warning light will illuminate and stay illuminated when there is an issue with the brake(s).

(Continues on next page)

CAUTION If the warning light stays illuminated or shows during driving, pull over and stop driving as soon as it is safe to do so. The vehicle must not be driven and should be inspected by an authorized Morgan Technician.

The brakes will be inspected regularly during a normal service. Cleanliness is essential when dealing with brakes as grease or oil cannot be removed from brake linings. Always replace brake parts with genuine Morgan original specification components.

The brake fluid reservoir is situated under the hood. If brake fluid level is low, a warning will show on the LCD screen. When this warning light illuminates, pull over and stop driving as soon as it is safe to do so. Morgan recommend that the vehicle should be inspected by an authorized Morgan Technician who can replenish the brake fluid reservoir if necessary.

Have the brake fluid topped up if the brake fluid level is below the minimum marking on the side of the brake fluid reservoir. The fluid should be filled to the maximum mark.

NOTICE Morgan recommend that brake fluid it topped up by an authorized Morgan Technician.

WARNING If brake fluid leakage is suspected, do not drive the vehicle. The vehicle must not be driven and should be inspected by an authorized Morgan Technician.

To test the warning symbol, press the button on the brake fluid reservoir. Check the brake fluid level in the reservoir every 5,000 miles (8,000km).



This section contains information necessary to maintain the vehicle in good mechanical condition in a temperate climate. Details of the intervals of service may be found in the schedule at the back of this book. The time between examinations is dependent on many things, particularly the type of use and the road conditions. In dusty, extreme, or arduous conditions, the time between services must be reduced. If a vehicle is not in use for long periods, the need for regular attention is as great as for a vehicle in everyday use. The following details, along with services from an authorized Morgan Dealership, will help to prolong the life and enjoyment of the vehicle.

The Morgan Super 3 uses parts, e.g. tires, that have been developed exclusively for this vehicle and may only be readily available within the Morgan dealer network. If parts are required, it is recommended that you contact your nearest Morgan Dealership.

Checks

Always complete the pre-drive checklist on page 52 before operating the vehicle.

It is recommended that the lights, horn, turn signals, mirrors, tire pressures, tire condition and brakes operation (foot brake and hand brake) are checked daily.

It is recommended that the engine oil level, engine coolant level and brake fluid are checked and all locks and hinges are lubricated weekly or before long journeys.

Engine Oil Measurement

The engine oil level must be checked weekly. Allow the vehicle to reach normal operating temperature then park the vehicle on level ground, switch the engine off and wait 10 minutes. Remove the dipstick and wipe with a lint-free cloth. Re-insert the dipstick fully and remove again to check that the oil level is between the minimum and maximum markings on the stick.

⚠ **WARNING** Do not add engine oil when the engine is operating. Failure to follow this instruction could result in personal injury.

⚠ **WARNING** The front of the vehicle, near the engine, can become very hot. Danger of serious personal injury if touched.

Adding Engine Oil

⚠ **WARNING** Do not allow oil to get on tires, wheels or brakes. Traction may be affected, which could result in loss of control and serious injury or death.

⚠ **WARNING** Never run the engine with the oil cap removed.

⚠ **CAUTION** Never over-fill the engine with oil.

The quantity of engine oil required to raise the indicated level on the dipstick from minimum to maximum is 1 liter (0.2 US Gallons). Switch off the engine and apply the handbrake. Allow the engine to cool for 10 minutes. Locate the oil filler cap positioned on the top of the engine. Clean the area surrounding the engine oil filler cap before you remove it. Open the oil filler cap by turning counter clockwise. Add engine oil of the correct specification. Ensure not to overfill. Always clean up any oil spillage. Tighten the oil filler cap by turning it clockwise until you feel a strong resistance.



Suitable Engine Oil Grade

Engine oils with the following oil specification can be used to top up if required:

SAE 5W-20 engine oil of the highest possible quality. Specification **WSS-M2C948-B.**

If you are unable to find an engine oil that meets the specification, you can top-up with a **SAE 5W-20** engine oil that is defined by **ACEA A5/B5**.

Oil Change

CAUTION Engine oil not replaced in time can lead to increased engine wear and / or engine damage. Do not exceed the service date indicated.

CAUTION Never over-fill an engine with oil.

NOTICE Morgan recommends having the engine oil changed by an authorized Morgan Technician.

NOTICE Used engine oil should be disposed of in accordance with state / regional laws and guidelines.

The engine oil should be changed every 10,000 miles or annually, whichever comes first. Allow the engine to reach normal operating temperature. Switch off the engine and remove the drain plug from the sump. When the oil has drained completely, clean the plug and replace the plug gasket. Fit a new oil filter and fill with 4.5 liters (1.19 US Gall) of the correct grade and quantity of oil. Replace the filler cap and run the engine for a short while. Take an oil measurement and have more oil added if necessary.

WARNING Care should be taken when draining engine oil, as it may be hot.

WARNING Prolonged exposure to used engine oil can cause serious skin disorders. Avoid excessive contact with skin or use protection.

WARNING The radiator fan may operate even when the ignition is switched off. Do not work near the fan until the engine has cooled sufficiently.

WARNING Do not allow oil to get on tires, wheels or brakes. Traction may be affected, which could result in loss of control and serious injury or death.

Oil Filter

The Morgan Super 3 uses a screw on oil filter located on the side of the engine block, this can be accessed through a hole in the left-hand longitudinal behind the wishbone. The replaceable oil filter should always be replaced when the engine oil is changed. It is recommended that this is performed by an authorized Morgan Technician.

To remove the filter unscrew in counter clockwise direction and carefully withdraw from the vehicle taking care to catch any dripping oil, be sure to check the old seal has been removed with the filter. To install the new filter remove from packaging and apply a thin layer of oil to the new seal, screw the filter onto the oil filter housing in a clockwise direction until hand tight. Take care not to over-tighten.

Air Cleaner

It is most important that airflow is not restricted. The air cleaner should be changed every 10,000 miles, or more frequently in dusty conditions or regular town use. It is recommended that an authorized Morgan Technician should change the air filter element. The air cleaner box is closed using 4 retaining clips. When replacing, ensure that the correct specification of element is used.

Spark Plugs

The spark plugs should be checked every 30,000 miles or 36 months (whichever comes first) for the correct gap. The electrode and body should be cleaned and examined for damage. If the plug shows any sign of damage or deposits, it must be replaced. When fitting new spark plugs, be sure to only use the correct specification and set the gap correctly.

Gearbox

The transmission system is permanently filled. The transmission oil level should be checked by an authorized Morgan Technician during routine servicing.

Cooling System

The coolant expansion tank and coolant system is situated under the hood. The coolant system should be filled to the marker on the tank with **WSS-M97B44-D** Ford Antifreeze Super Plus Premium coolant and should be inspected only when the engine is cool. It is essential that the engine is supplied with sufficient coolant at all times.

WARNING Only remove the coolant filler cap when the engine is cool, otherwise the escaping steam and boiling water may cause serious scalding and injury.

DANGER Coolant fluids are dangerous; keep out of reach of children. Swallowing coolant may damage health resulting in serious injury or death.

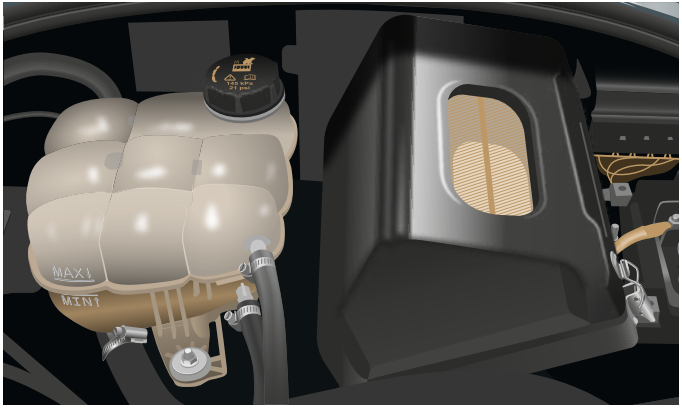
Whenever the vehicle is serviced and periodically between these times, the coolant must be checked. At the same time it is recommended that all the hose clips and hoses be examined for tightness and damage. Any persistent loss of coolant should be indicated to an authorized Morgan Technician at the earliest opportunity.

Bevel Box

The bevel box is located next to the rear wheel. It is essential to replace the bevel box oil every service. The unit has a drain plug at the rear. The drain plug is the lower of the two plugs. When the oil has completely drained and the plug has been plug refitted, the bevel box should be refilled with the correct oil, to the base of the filler hole in the back plate.

WARNING Care must be taken when handling hot oil and used oil.

NOTICE Used engine oil should be disposed of in accordance with state / regional laws and guidelines.



Engine Coolant Expansion Tank (left) and Air Cleaner (right)

Electric Fan

One electric fan is positioned on the side of the vehicle behind one of the radiators. These are operated by a temperature switch in the engine and controlled by the ECU. The fan speed will automatically vary to maintain the correct engine temperature. As the temperature rises in traffic, the fan will operate as required. If there is any doubt about the operation of the fan system, consult a Morgan Dealer. If the engine is hot when switched off the fan can continue to run for up to 5 minutes after ignition off.

WARNING Do not allow tools, hands or clothing to come into contact with the fan. Fans may operate without warning, even with the ignition switched off.

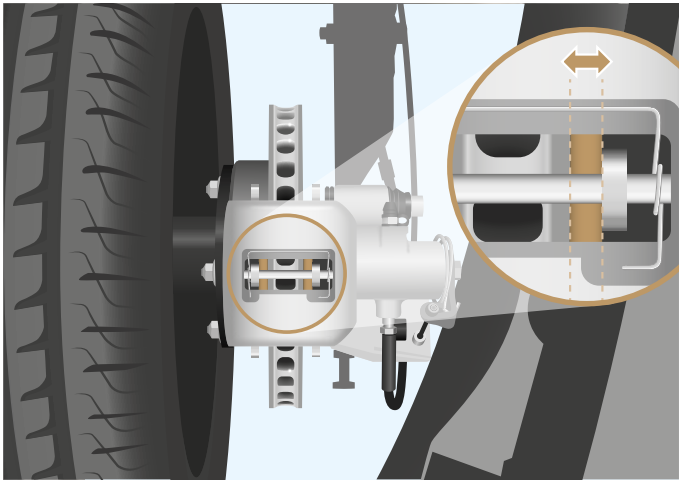
Rear - Brake Pad Wear Inspection

The wear level of the rear brake pads can be checked by lifting out the boot liner and viewing the rear brake from above.



Wear level

The brake disc and pad material can be seen through the window in the caliper, When the pads appear to have 5/32" (4mm) or less of material left, the brake pads are due for renewal.



⚠ **WARNING** Always replace brake pads in axle sets.

⚠ **WARNING** Brake discs should always be checked when replacing pads.

Front - Brake Pad Wear Inspection

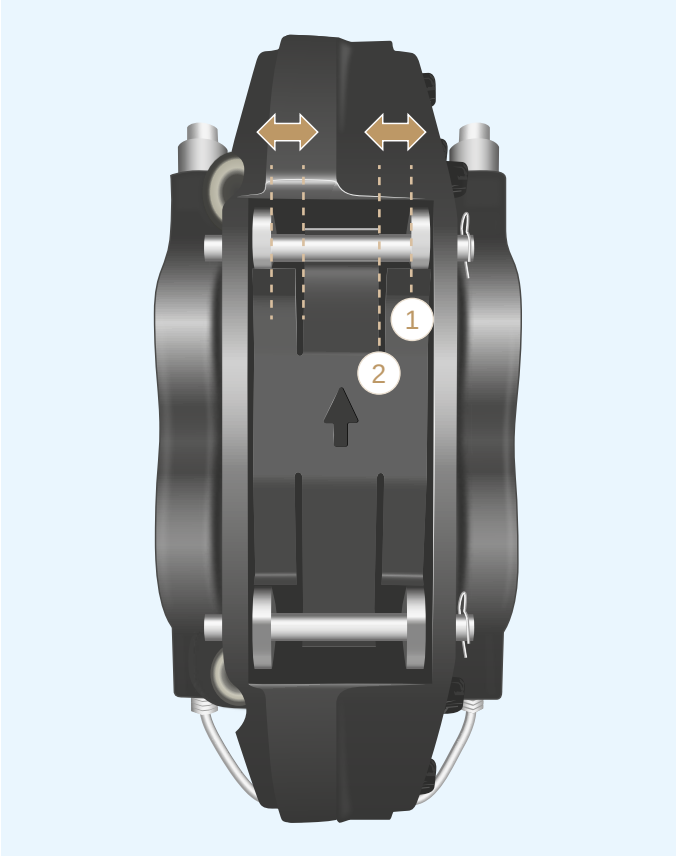
The wear level of the front brake pads can be checked on the vehicle without removing the wheel. View through the slots at the rear of the wheel looking towards the brake.

NOTICE Use of a torch will be beneficial.



Wear level

To view the wear level of your brake pad, look at the distance shown between the brake pad back plate (1) and the edge of the brake pad spring (2), where the retaining pin passes through the caliper. This distance represents the thickness of brake pad remaining. If the brake pad back plate is within 5/32" (4mm) or less of the spring, the brake pads are due for renewal.



THE FOLLOWING SECTION ONLY APPLIES TO VEHICLES WITH A CHAIN DRIVE, NOT A BELT DRIVE.

Drive Chain Maintenance

⚠ **WARNING** A loose or worn chain, or a chain that breaks or jumps off the sprockets could catch on the Bevel box sprocket or surrounding subframe and potentially lock the rear wheel.

⚠ **WARNING** A chain that snags on the Bevel Box sprocket could result in loss of control of your Super 3 and an accident. Similarly, locking the rear wheel could lead to loss of control and an accident.

For safety and to prevent excessive wear the drive chain must be checked, adjusted, and lubricated in accordance with the scheduled maintenance requirements. Checking, adjustment, and lubrication must be carried out more frequently for extreme conditions such as high-speed riding, salty or heavily gritted roads.

If the chain is badly worn or incorrectly adjusted (either too loose or too tight) the chain could jump off the sprockets and/or break. Always replace worn or damaged chains using Morgan Motor Company Recommended parts supplied by an authorized Morgan dealer.

Drive Chain Maintenance and Adjustment

⚠ **WARNING** As the Morgan Super 3 is a three wheeled motorcycle and therefore self-supporting, it may be tempting to clean the chain with the vehicle on the ground whilst rolling the vehicle forwards or backwards to access the full length of the chain.

⚠ **WARNING** Cleaning the chain potentially requires you to have your hands/clothing in contact with the chain where it could potentially become caught or pulled in. This could result in severe injury.

⚠ **WARNING** Always ensure that either:

- Your super 3 is securely elevated with the ignition off and the keys removed from the ignition. or...
- Your Super 3 is on level ground with the hand brake on and the transmission “in-gear” with the ignition off and the keys removed.

Drive Chain Lubrication

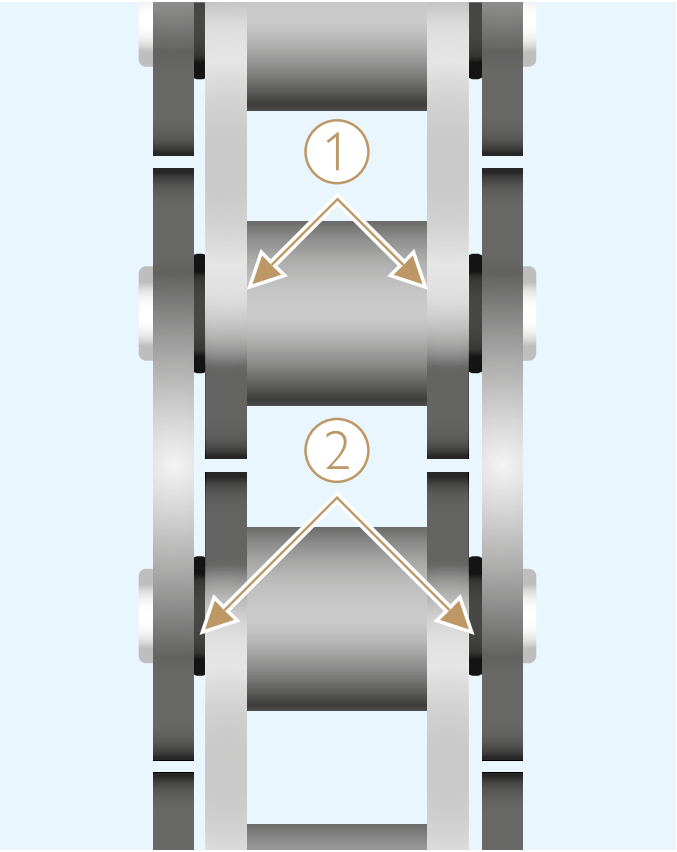
Lubrication is necessary at least every 1000miles (1600km) and after driving in wet weather, on wet roads, or any time that the chain appears dry.

To Clean the Drive Chain

- If the chain is lightly dirty it can be wiped clean by spraying a cloth with chain cleaner and wiping over the chain.
- A dirtier chain can be cleaned with the use of chain cleaner and a chain cleaning brush. Followed by wiping over with a cloth.

To Lubricate the Drive Chain

- Always use specific motorcycle chain lubricant.
- Apply lubricant to the sides of the rollers (1) and in between the links (2), this is ideally better conducted immediately after driving whilst the chain is still warm, then allow to stand, ideally overnight. This will allow the lubricant to penetrate the chain.
- Wipe off excess oil.
- The installation of an automatic chain oiler will significantly increase the life of your chain. Please consult your Morgan dealer to discuss options.



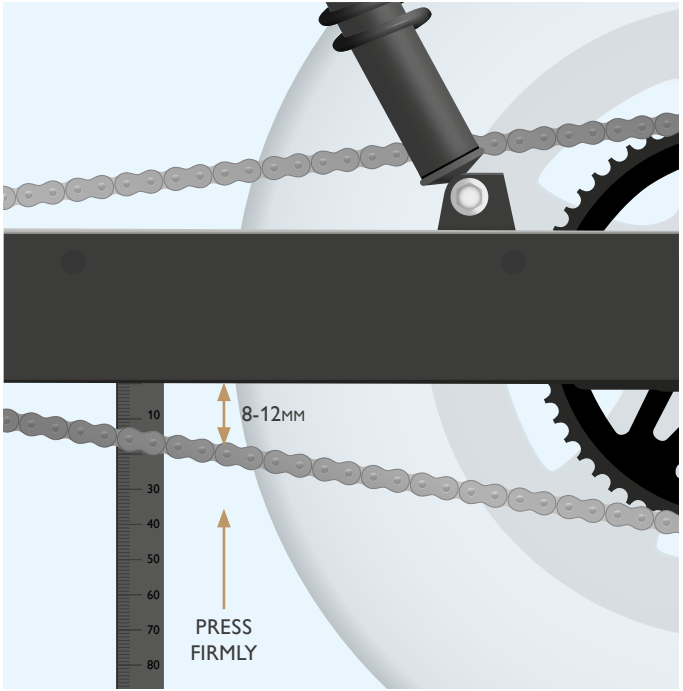
Drive Chain Free Movement Inspection

⚠ **WARNING** Whilst handling the chain on your Super 3, if there is risk of the vehicle rolling, there is the risk of hands or clothing being pulled into the chain causing serious injury.

⚠ **WARNING** Always ensure that either:

- Your super 3 is securely elevated with the ignition off and the keys removed from the ignition. or...
- Your Super 3 is on level ground with the hand brake on and the transmission "in-gear" with the ignition off and the keys removed.

On the slack (underside) of the chain, press firmly (though not hard), against the chain towards the swingarm with a ruler or vernier against the chain. The deflection of the chain should be between 8mm and 12mm. If the chain deflection is greater or less than 8mm to 12mm your chain requires adjustment. Please refer to the adjustment section.

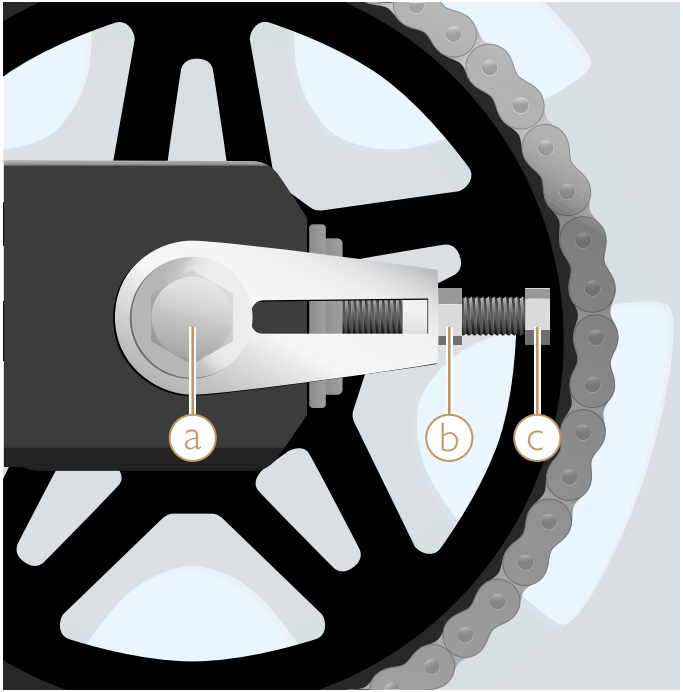


Drive Chain Free Movement Adjustment

If the drive chain free movement measurement is incorrect, follow the adjustment guidelines as follows:

1. Remove the rear wheel spindle nut split pin.
2. Loosen the rear wheel spindle nut **(a)**.
3. Loosen the lock nuts **(b)** on both the left-hand and right-hand drive chain adjuster bolts **(c)**.
4. Move both adjusters by an equal amount. (rotating each adjuster bolt by one flat produces a significant change in chain free play so adjust in small increments).
5. Turn the adjuster bolts clockwise to increase chain free movement and anticlockwise to reduce chain free movement.
6. When the correct amount of chain free movement has been set, tighten the lock nut on each tensioner adjustment bolt and the rear wheel spindle nut.
7. Tighten the rear wheel spindle nut to 180Nm ensuring the hole is clear for the split pin to be refitted.
8. Repeat the drive chain adjustment check. Readjust if necessary.
9. Check the rear brake functions correctly.

⚠ **WARNING** Operation of your Super 3 with insecure adjuster lock nuts or a loose wheel spindle may result in compromised handling and/or stability which could result in loss of control or an accident. Always ensure the adjuster lock nuts and wheel spindle nut are tight, and a split pin installed before driving.



Drive Chain Wear Inspection

⚠ **WARNING** Drive chain wear inspection is important in preventing:

- Excessive wear of chain and sprockets.
- Breakage of drive chain potentially resulting in loss of control and/or accident.

⚠ **WARNING** Always replace your chain and sprockets with Morgan approved parts. The use of non-approved or incorrect parts may result in excessive wear, breakage, damage.

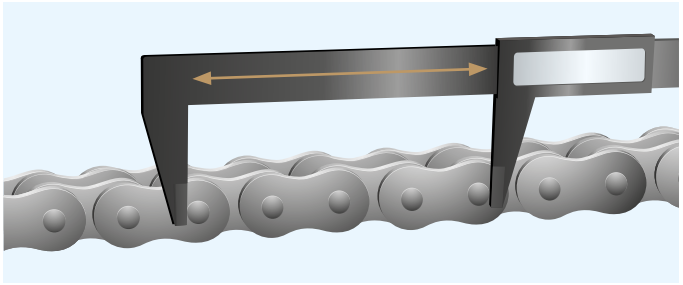
⚠ **CAUTION** If the chain wear is excessive and the sprockets are showing signs of wear, replace the chain, rear sprocket, and drive sprocket together.

⚠ **CAUTION** Using a new chain on worn sprockets or worn chain on new sprockets will cause rapid wear leading to premature replacement.

To inspect the drive chain wear start by hanging a 10kg to 20kg weight on the bottom of the drive chain, then measure the length of the chain between two pins that are 20 links apart. The chain length between the 20 pins should grow by no more than 1% when the weight is applied to the drive chain, if the length exceeds 1% growth then the drive chain has exceeded the maximum wear. Ideally the measurement should be taken over 20 links for greater accuracy, should a long enough vernier caliper not be available , refer to the table showing the maximum length over various measured pin lengths. Always consult your Morgan dealer if you are unsure of your drive chain wear.

Number of Pins:	New Chain Length:	Worn Chain Length
5	69.1mm	69.8mm
10	148.5mm	150.0mm
15	228.1mm	230.4mm
20	307.4mm	310.5mm

With your Morgan Super 3 rear wheel safely elevated and the front wheels chocked to prevent the vehicle rolling. Rotate the rear wheel and visually inspect the chain for any split links, damaged rollers, or loose pins. If any damage to the drive chain is found, replace the chain immediately.



Sprocket Wear Inspection

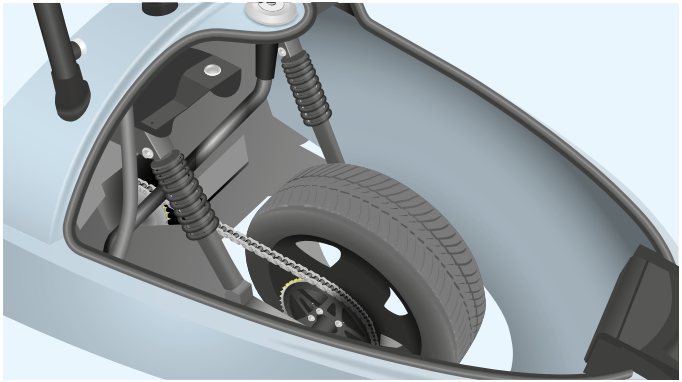
The wear level of the front and rear sprockets can be checked by lifting out the boot liner and viewing from above. Use of a torch and/or a camera may make wear assessment easier.



⚠ **WARNING** Driving your Super 3 with Worn or damaged sprockets may result in:

- Excessive wear of chain.
- Breakage of drive chain potentially resulting in loss of control and/or accident.
- Slipping or jumping of the chain potentially resulting the rear wheel locking and causing loss of control.

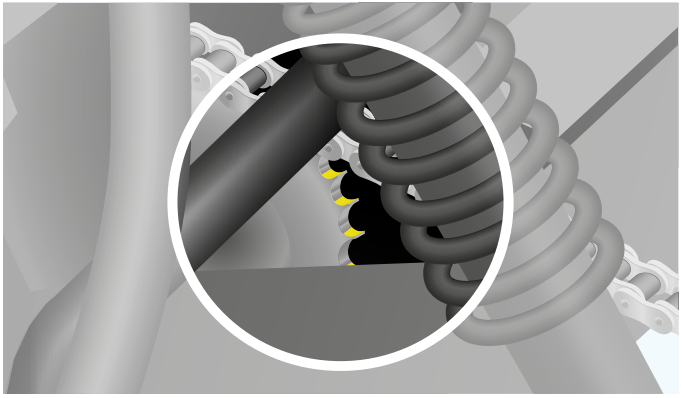
⚠ **WARNING** Always replace your chain and sprockets with Morgan approved parts. The use of non-approved or incorrect parts may result in excessive wear, breakage, damage.



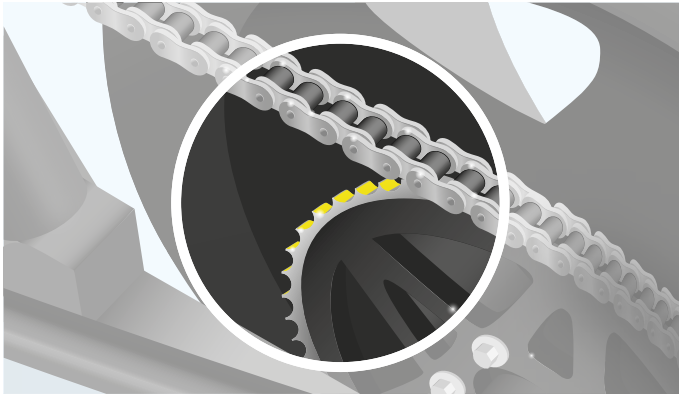
Place a light background, such as a piece of white paper or card, behind the sprocket to provide a visual contrast. Once in place, visually inspect several teeth on each sprocket for signs of wear, the wear will appear as an undercut on the face of the tooth.

Due to one sprocket driving the chain and one sprocket being driven by the chain, the wear will appear on different faces on the teeth of the front or rear sprocket. If wear is visible on the sprockets, replacement is due. Visually inspect the teeth for any that may be cracked, snapped, or broken, if any damaged teeth are found then replace the chain and sprockets immediately. Replacement should be carried out by an authorized Morgan service centre.

Front Sprocket



Rear Sprocket



Cleaning - Exterior

It is recommended that the paintwork should not be treated with a heavy wax for a period of three months after the vehicle has been painted. During this time the paintwork should be cleaned regularly and may be treated with a light polish. The bright work should be cleaned and waxed every time the vehicle is cleaned. After this initial period, the surface of the paintwork should be thoroughly cleaned. Any imperfections, such as light scratches, should be removed using a fine rubbing compound applied with a soft cloth.

NOTICE Polishing compounds must be used carefully as they remove the paint surface. A fine cutting polish can be used to remove road film.

Do not use cutting polishes that contain ammonia as this may bleach some pigments. After the paint is completely clean, a good quality wax polish should be used. Avoid silicone-based products and polymer sealers, as these can prevent the paint from 'breathing'. It is recommended that a traditional wax polish is used. After the initial polishing of the vehicle, it is most important to keep the paintwork and chrome work clean and well waxed.

NOTICE Do not to get polish or oil on the brakes when cleaning. Your dealer can to provide advice about the best materials to use when cleaning your vehicle.

⚠ **WARNING** The vehicle should be allowed time to cool before cleaning. Danger of serious injury if touched when hot.

⚠ **WARNING** Observe warnings on labels of cleaning compounds. Failure to follow warnings could result in serious injury or death.

Cleaning - Interior

Standard leather and vinyl is designed to be durable and water-resistant. It may be cleaned using a damp clean cloth. Technical fabric should be vacuumed regularly and may be wiped with a clean cloth using water or upholstery shampoo.

⚠ **CAUTION** Excessive direct sun light, heat and exposure to moisture may cause damage to interior materials, especially to leather.

Mirrors

To adjust the two body mounted mirrors, adjust the mirrors on the stalks until they are in the desired position.

⚠ **WARNING** Only adjust mirrors when the vehicle is stationary.

⚠ **WARNING** Objects in mirrors are closer than they appear. Failure to judge correct distances could result in serious injury or death.

⚠ **CAUTION** Never force the movement of the mirrors, this may cause damage to the mirrors or their mounting surfaces.

Graphic Packs

If your Morgan Super 3 is fitted with a Morgan livery pack or decal kit, do not attempt to remove it as this may cause damage to the paintwork.

⚠ **CAUTION** Excessive direct sun light may cause damage to graphic packs.

⚠ **CAUTION** Take care when cleaning the vehicle not to damage graphic packs.

If using a pressure washer to clean the vehicle, please note that holding the nozzle at an angle to graphic may lift the edges of the film. Avoid polishing areas where a graphic pack has been applied.

White Tail Pipes

NOTICE White tail pipes are likely to discolor with use and age.

Wind Deflectors

NOTICE Vision may be distorted when looking through the wind deflectors.

OWNERSHIP

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Warranty Information

When the vehicle needs warranty repairs it should be taken to a Morgan authorized service dealer.

If there are questions or concerns with the vehicle or your warranty coverage, we suggest these steps are followed:

1. Contact a Morgan Service Advisor at an authorized Morgan Service Dealer.

2. If the enquiry or concern remains unresolved, contact the Dealer Principal.

3. If the enquiry or concern cannot be resolved, please contact the Morgan Customer Assistance Department at:

   Morgan Motor Company Limited
   Pickersleigh Road, Malvern,
   Worcestershire, England WR14 2LL

   Customer Assistance Telephone: 0044 1684 573104
   (This is a UK-based telephone number)

In addition to the Limited Emission Warranty and Noise Warranty, your Morgan Super 3 is also supplied with the Morgan Motor Company New Vehicle Limited Warranty.

The Morgan Motor Company New Vehicle Limited Warranty

KNOW WHEN YOUR WARRANTY BEGINS

The Warranty Start Date (for all warranties) is the day the first retail owner takes delivery of the new vehicle, or the day it is first put into service (for example, as a demonstrator), whichever occurs first.

CHECK THE VEHICLE

We check vehicles carefully at the factory to assure quality. Upon delivery, check the vehicle over carefully and if there is any damage or issues, and if there is any concern with the finish of the vehicle, please notify your supplying Morgan Dealer immediately.

MAINTAIN THE VEHICLE PROPERLY

Proper maintenance protects against major repair expenses resulting from neglect or inadequate maintenance. It is the owner's responsibility to make sure that all of the scheduled maintenance is performed within 1 month or 1,000 miles of the due requirement and that the materials used meet Morgan specifications. Failure to perform scheduled maintenance as specified in the Scheduled Maintenance Guide will invalidate warranty coverage on parts affected by the lack of maintenance. Make sure that confirmation of maintenance work is kept.

WHO PAYS FOR WARRANTY REPAIRS?

The owner will not be charged for qualifying warranty repairs during the warranty period for the New Vehicle Limited Warranty or Emissions Warranty.

Your Morgan is covered by the Morgan Motor Company New Vehicle Limited Warranty for a period of 30 months or 30,000 miles / 50,000 Km (whichever occurs first). The New Vehicle Limited Warranty is the only warranty applicable to your vehicle. Morgan does not assume nor authorize anyone to assume for it any other obligation or liability in connection with your vehicle or this warranty.

MORGAN is not responsible for any time that you lose, for any inconvenience you might be caused, for the loss of your transportation, or for any other incidental or consequential damages you may have. You may also have some implied warranties.

For example, you may have:

- An implied warranty of merchantability (that the vehicle is reasonably fit for the general purpose for which it was sold) or...
- An implied warranty of fitness for a particular purpose (that the vehicle is suitable for your special purposes).

These implied warranties are limited, to the extent allowed by law, to the time period covered by the New Vehicle Limited Warranty, or to the applicable time period provided by state law, whichever period is shorter.

WHAT IS COVERED UNDER THE NEW VEHICLE LIMITED WARRANTY?

Please confirm with your supplying Morgan dealer the level of break down cover which they are able to arrange in your country.

During this coverage period, the authorized Morgan service point will repair, replace, or adjust all parts on your vehicle that are defective in factory-supplied materials or workmanship. Items and conditions that are not covered by the New Vehicle Limited Warranty are described below. When making warranty repairs on your vehicle, the authorized service point will use genuine Morgan new or re-manufactured parts, or other parts that are authorized by Morgan.

WHAT IS NOT COVERED UNDER THE NEW VEHICLE LIMITED WARRANTY?

DAMAGE CAUSED BY:

- Crashes, collision or objects striking the vehicle.
- Acts of theft, vandalism, war, riot, fire or explosion.
- Freezing.
- Misusing of the vehicle, such as speeding, driving over curbs, overloading.
- Altering or modifying the vehicle – including the engine, body, monocoque, or components – after the vehicle leaves Morgan's control.
- Non-MORGAN parts installed after the vehicle leaves Morgan's control. (For example, but not limited to, cellular phones, alarm systems.)
- Tampering with the vehicle, its emissions systems, or with other parts that affect these systems.
- Disconnecting or altering the odometer or allowing the odometer to be inoperative for an extended period of time with the result that the actual mileage cannot be determined.
- Using contaminated or improper fuel/fluids.
- Customer-applied chemicals or accidental spills.
- Driving through water deep enough to cause the ingress of water into the engine or control systems.
- Driving on unreasonable road surfaces such as closed roads, circuits or race tracks or driving in excess of legal speed limits for extended periods.
- Use in racing, timed competitive or track events, or after fitment of parts sold as "off road" or "competition-only" parts.

DAMAGE CAUSED BY USE AND/OR THE ENVIRONMENT

Your New Vehicle Limited Warranty does not cover surface rust and deterioration of paint, trim, upholstery, and other appearance items that result from use and/or exposure to the elements.

Here are examples:

- Stone chips, scratches (some examples are on paint)
- Cuts, burns, punctures or tears
- Bird droppings
- Windstorm
- Water or flood
- Dents and other panel damage
- Road salt, tree sap
- Lightning, hail
- Earthquake
- Normal interior ageing

DAMAGE CAUSED BY IMPROPER MAINTENANCE

Your New Vehicle Limited Warranty does not cover damage caused by failure to maintain the vehicle, improperly servicing or maintaining the vehicle, or using the wrong part, fuel, oil, lubricants, or fluids.

MAINTENANCE / WEAR AND TEAR

Your New Vehicle Limited Warranty does not cover: (1) parts and labor needed to maintain the vehicle; and (2) the replacement of parts due to normal wear and tear. You, as the owner, are responsible for these items.

Here are examples:

- Oil changes
- Oil/air filters
- Tire rotation or balancing
- Clutch linings
- Bulbs
- Hoses
- Oils, lubricants, other fluids
- Brake linings/pads
- Cleaning/polishing
- Engine tune-up
- Belts
- Wheel alignment

OTHER ITEMS AND CONDITIONS NOT COVERED

Your New Vehicle Limited Warranty also does not cover:

- Vehicle recovery / transport is not covered, unless you have confirmed recovery cover with your supplying Morgan Dealer.
- Minor wind noise or water ingress or normal vehicle noises or vibrations.
- Non-Morgan engine parts; for example, parts installed by modifiers, or damage to original components caused by installation of such non-Morgan, other than “certified” emissions parts.
- Vehicles that have ever been labeled or branded as “dismantled”, “fire”, “flood”, “junk”, “rebuilt”, “reconstructed”, or “salvaged”; this will void the New Vehicle Limited Warranty.
- Vehicles that have been determined to be a “total loss” by an insurance company; this will void the New Vehicle Limited Warranty.
- Tires, Navigation System, batteries.
- Incidental and consequential damage, as explained above.
- Brand Partnership items

CAUTION Some noise may be heard from the bevel box and drive belt. This noise should not worsen with use. If the noise does significantly increase please consult authorised morgan tech.

Warranties on Tires, Navigation System and Batteries

The tire, navigation system, and battery manufacturers provide you with separate warranties. You will find these warranties with the owner literature supplied with your new vehicle. Morgan provides no warranty coverage on these items. However, if a tire, navigation system or battery is damaged during the New Vehicle Limited Warranty coverage period because of a vehicle defect in factory-supplied materials or workmanship, Morgan will replace the tire, navigation system component or battery.

Limited Emission Warranty

USA OWNERS 49 STATE LIMITED EMISSIONS WARRANTY

The following limited warranty applies to the emission control system, is in addition to the MORGAN MOTOR COMPANY NEW VEHICLE LIMITED WARRANTY, and applies only to Morgan Super 3 motorcycles certified for sale, registered, and ordinarily operated in the U.S.

For additional warranty provisions for California models, refer to the CALIFORNIA EMISSIONS CONTROL WARRANTY STATEMENT.

Morgan Motor Company warrants to the first owner and each subsequent owner that this vehicle is designed, built, and equipped so as to conform at the time of sale with applicable regulations under section 7521 of Title 42 of the United States Code, and that it is free from defects in materials and workmanship which would cause this motorcycle to fail to conform with applicable emissions regulations for five (5) years from the initial retail purchase and delivery from an authorized Morgan dealer (or if it is first placed in service as a "demonstrator" or "company" motorcycle prior to delivery, five (5) years from the date the motorcycle is first placed in service), or 30,000 km (18641 miles), whichever occurs first. Upon the resale of the Morgan Super 3 during the warranty period, any unexpired portion of this limited warranty will be transferred to subsequent owners, .

Any implied warranty of merchantability or fitness for particular purpose is limited to the duration of this warranty. There is no other express warranty (other than the separate motorcycle and noise limited warranties) on the Morgan Super 3.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply.

The limited warranty period shall begin on the date the motorcycle is delivered to the first retail purchaser or, if the motorcycle is placed in service as a demonstrator or company motorcycle, on the date it is first placed in service.

THE FOLLOWING ITEMS ARE NOT COVERED BY THE EMISSION CONTROL SYSTEM LIMITED WARRANTY

- Failures which arise as a result of crash, misuse, tampering, modifications, acts of nature, or improper and/or inadequate maintenance as specified in this Owner's Manual.
- Required maintenance and servicing (as specified in this Owner's Manual) and the replacement of parts (such as fuel, spark plugs, oil filters, etc.) that are used in required maintenance.
- Any Morgan Super 3 on which the mileage cannot be determined because the odometer mileage has been changed.

To the fullest extent allowed by law, neither Morgan Motor Company Limited nor its authorized dealers shall be liable for inconvenience, loss of time, towing of the motorcycle, loss of motorcycle use, commercial loss or other inadvertent or consequential damages.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply.

ITEMS COVERED BY THIS EMISSION WARRANTY

The emission control system warranty may cover the following parts if the defect is deemed to be emissions-related:

- Air cleaner assembly
- Cam shaft
- Valve timing solenoids
- Ignition coils
- Muffler
- Crank position sensor
- Throttle position sensor
- Throttle body
- Electronic control unit
- Fuel pump module
- Fuel cap
- Charcoal canister
- Inlet Manifold
- Cam shaft sensors
- Spark plugs
- Catalytic converter
- MAP sensor
- Timing belt
- Fuel injectors
- Engine temperature sensor
- Oxygen sensors
- Fuel Tank
- Purge Valve

If used on the above: hoses, clamps, fittings, tubing, sealing gaskets and mounting hardware.

Detailed instructions for proper maintenance and use of a Morgan Super 3, including the intervals at which such maintenance is to be carried out, may be found in this Owner's Manual. Please refer to the 'Maintenance' section on page 60 and the 'Scheduled Maintenance Guide' on page 92.

OTHER RIGHTS

This limited warranty gives you specific legal rights, and you may have other rights which vary from state to state.

RECOMMENDATIONS FOR REQUIRED MAINTENANCE

It is recommended that any emission system maintenance be performed by an authorized Morgan technician using genuine Morgan replacement parts. However, the maintenance, replacement or repair of the emissions control system may be performed by any other qualified service outlet or individual. Non-genuine Morgan parts may only be used if such parts are certified to comply with U.S. Environmental Protection Agency Standards.

California Emissions Control Warranty

USA OWNERS CALIFORNIA LIMITED EMISSIONS WARRANTY: YOUR WARRANTY RIGHTS AND OBLIGATIONS

The California Air Resources Board and Morgan Motor Company Limited are pleased to explain the emission control system warranty on your new motorcycle. Morgan Motor Company Limited must warrant the emission control system on your motorcycle for the periods of time listed below, provided there has been no abuse, unapproved modification, neglect or improper maintenance of your motorcycle.

The emission control system in your motorcycle may include parts such as the carburettor or fuel-injection system, catalytic converter, the ignition system, and engine computer. Also included may be as well as this, hoses, belts, connectors and other emission-related assemblies.

Where a warrantable condition exists, Morgan Motor Company Limited will repair your Motorcycle at no cost to you including diagnosis, parts and labor.

MANUFACTURER'S WARRANTY COVERAGE

If any emission-related part on your motorcycle is defective, the part will be repaired or replaced by Morgan Motor Company Limited. This is your emission control system DEFECTS WARRANTY.

OWNER'S WARRANTY RESPONSIBILITIES

As the motorcycle owner, you are responsible for the performance of the required maintenance listed in your Owner's Manual. Morgan Motor Company Limited recommends that the owner retains all receipts relating to maintenance on the motorcycle, but Morgan Motor Company Limited cannot deny emissions warranty coverage solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

You are responsible for presenting the motorcycle to an authorized Morgan Motor Company Limited technician / dealer as soon as a problem arises. The warranty repairs should be completed in a reasonable amount of time and not exceed 30 days.

As the motorcycle owner should also be aware that Morgan Motor Company Limited may deny warranty coverage if the motorcycle or a part has failed due to misuse, neglect, lack of or improper maintenance, or unapproved modifications.

If you have any questions regarding your warranty rights and responsibilities, you should please contact:

- An authorized Morgan Motor Company Limited dealer:

Auto Europe	Detroit, MI	1 248 645 6300
Morgan Cars Mid Atlantic	Harrisbourg, PA	1 717 932 6600
Northshore Sportscars	Buffalo, IL	1 847 247 0447
Flemings Ultimate Garage	Rockville, MD	1 301 816 1000
Christopher John LTD	Daytona Beach, FL	1 772 634 4363
Merlin Auto Group	Atlanta, GA	1 770 457 2699
Naples Motorsports	Naples, Fl	1 239 330 4688
Morgan Motors Of New England	New England	1 518 329 3877
Morgan West	Los Angeles, CA	1 310 998 3311
Morgan Motor Company	England, UK	+44 (0) 1684 573104

- California Air Resources Board,
  4001 Iowa Avenue, Riverside, California 92507

ADDITIONAL WARRANTY TERMS

The emission control system of each new Morgan Super 3 was designed, built and tested using only Genuine Morgan parts. With these parts, the motorcycle is certified as being in conformity with California emission control regulations.

We recommend that the motorcycle is taken to an authorized Morgan technician for repairs under this warranty. The authorized Morgan technician has factory-training and genuine Morgan parts.

In the case of an "emergency" (as defined below), you may have repairs performed at any available service establishment or by the owner, using any replacement part.

An authorized Morgan technician not being reasonably available, or a part not being available within a reasonable time period (not to exceed 30 days from the time the motorcycle is initially presented to an authorized Morgan technician for repair) constitutes an "emergency."

If it is established that the repairs are covered under this emission warranty, Morgan Motor Company Limited will reimburse the owner for such repairs, including diagnosis. Morgan Motor Company's parts reimbursement, however, will not exceed Morgan's suggested retail price for all warranted parts replaced and the labor reimbursement will be limited to Morgan's recommended time allowances for emission system repairs at the geographically appropriate hourly labor rate.

You must keep all failed parts and original receipts to obtain reimbursement from Morgan Motor Company Limited for such emergency repairs, so you can present them to an authorized Morgan dealer for inspection. Morgan Motor Company Limited recommends that you take your motorcycle to an authorized Morgan dealer for inspection to ensure that the emergency repairs were done correctly.

CAUTION: Use of non-genuine Morgan replacement parts may compromise the effectiveness of the emission control system or otherwise damage the motorcycle.

If non-genuine Morgan parts are used for maintenance, replacement or repair of components affecting emission control, written assurances that the non-genuine Morgan parts are warranted by their manufacturer to be equal in quality and standard to Genuine Morgan parts, in both performance and durability, should be obtained. The use of non-genuine Morgan replacement parts does not invalidate the existing warranty, if any, on other Morgan components unless the non-Morgan parts cause damage to warranted parts or result in the creation of an emissions non-compliant motorcycle.

However, **Morgan Motor Company Limited assumes no liability under this warranty with respect to any parts which are non-genuine Morgan parts**, unless genuine Morgan parts cause damage to non-genuine Morgan parts.

WHAT IS COVERED BY THIS EMISSION WARRANTY

The EMISSION CONTROL SYSTEM WARRANTY covers the following "warranted parts" only:

- Air cleaner assembly
- Cam shaft
- Valve timing solenoids
- Ignition coils
- Muffler
- Crank position sensor
- Throttle position sensor
- Throttle body
- Electronic control unit
- Fuel pump module
- Fuel cap
- Charcoal canister
- Inlet Manifold
- Cam shaft sensors
- Spark plugs
- Catalytic converter
- MAP sensor
- Timing belt
- Fuel injectors
- Engine temperature sensor
- Oxygen sensors
- Fuel Tank
- Purge Valve

- If used on the above: hoses, clamps, fittings, tubing, sealing gaskets and mounting hardware.

The emission control system warranty does not cover:

- Malfunctions in any "warranted parts" caused by any of the following: abuse, misuse, unapproved modification or alteration, tampering, disconnection, or improper or inadequate maintenance. The warranty also does not cover replacement of listed parts in the event that the vehicle has been rendered emissions non-compliant in the state of California through actions noted above.
- Damage resulting from crash, acts of nature or other events beyond the control of Morgan Motor Company Limited.
- The repair or replacement of "warranted parts" which are scheduled for replacement prior to 30,000 km (18641 miles), once these parts have been replaced at the first replacement interval as part of required maintenance and servicing schedule.
- Repairs and services performed by anyone other than an authorized Morgan Dealer (except in case of emergency as defined above).
- Loss of time, inconvenience, loss of use of the motorcycle, towing of the vehicle, or commercial loss and/or consequential damages.
- Repairs on any Morgan Super 3 on which the mileage cannot be readily determined because the odometer mileage has been changed.

To the fullest extent allowed by law, neither Morgan Motor Company Limited nor its authorized dealers shall be liable for inconvenience, loss of time, towing of the motorcycle, loss of motorcycle use, commercial loss or other inadvertent or consequential damages.

General Maintenance Information

This guide describes the scheduled maintenance required for your vehicle. Carefully following this schedule helps protect against major repair expenses resulting from neglect or inadequate maintenance. It is your responsibility to see that all scheduled maintenance is performed and that the materials used meet engineering specifications. Failure to perform scheduled maintenance specified in this guide will invalidate warranty coverage on parts affected by the lack of maintenance. Retain proof of work undertaken for future reference. Your authorized service point has factory-trained technicians who can perform the required maintenance using genuine parts. To assure the proper performance of your vehicle and its emission control systems, scheduled maintenance must be completed at the designated intervals. Engine parts other than Morgan new or re-manufactured parts that are used for maintenance, replacement or for the service of components must be equivalent to genuine Morgan part in performance and durability. It is the owner's responsibility to assure the equivalency of such parts.

Which Schedule Should You Follow?

This section describes the different suggested maintenance schedules. This includes 'special operating conditions' and 'normal operating conditions

SPECIAL OPERATING CONDITIONS

If the vehicle is operated in any of the more demanding "Special Operating Conditions" listed below, some items will need to be maintained more frequently.

- Extensive idling and/or driving at low speeds for long distances
- Driving in dusty conditions

If the vehicle is only occasionally operated under these conditions, it is not necessary to perform the additional maintenance. For specific recommendations contact the Morgan Customer Assistance Center.

Every 9 months or 6,000 miles (whichever comes first):
- Replace engine oil and filter

As required:
- Replace engine air filter

NORMAL OPERATING CONDITIONS (DEALERSHIP SERVICE SCHEDULE)

The Normal Schedule applies to those who operate their vehicle under typical, everyday driving conditions. The maintenance frequency represented in the normal schedule typifies what most vehicle operators will require.

Every 12 months or 10,000 miles (whichever comes first):
- Replace engine oil and filter
- Replace air filter
- Inspect brake system
- Replace bevel box oil

Every 36 months or 30,000 miles (whichever comes first):
- Renew brake fluid
- Inspect spark plugs

Every 60 months or 50,000 miles (whichever comes first):
- Replace coolant

Every 72 months or 60,000 miles (whichever comes first):
- Replace spark plugs
- Renew brake fluid

Every 96 months or 80,000 miles (whichever comes first):
- Replace timing belt

Every 108 months or 90,000 miles (whichever comes first):
- Renew brake fluid

Owner Checks and Services

(Refer to Mileage Intervals for Additional Checks and Services)

The owner or an authorized Morgan Technician should perform certain basic maintenance checks and inspections at the intervals indicated. The owner maintenance service checks are generally not covered by warranties so the owner may be charged for labor, parts or lubricants used.

Check at Least Every Month:
- Check function of all interior and exterior lights
- Check tires for wear and proper air pressure
- Check engine oil fluid level
- Check lap/shoulder belts and seat latches for wear and function
- Check handbrake for proper operation
- Check and lubricate all hinges and latches
- Check cooling system fluid level and coolant strength
- Check battery connections and clean if necessary

Dealership Normal Service Schedule

Time / Mileage (whichever comes first)	3 months	12 months or 10,000 miles	24 months or 20,000 miles	36 months or 30,000 miles	48 months or 40,000 miles	60 months or 50,000 miles	72 months or 60,000 miles	84 months or 70,000 miles	96 months or 80,000 miles	108 months or 90,000 miles
Oil Level Check	●									
Brake Fluid Level Check	●									
Coolant Level Check	●									
Replace Engine Oil		●	●	●	●	●	●	●	●	●
Replace Oil Filter		●	●	●	●	●	●	●	●	●
Replace Air Filter		●	●	●	●	●	●	●	●	●
Replace Coolant						●				
Inspect Spark Plugs				●						
Replace Spark Plugs							●			
Replace Timing Belt									●	
Replace Bevel Box Oil		●	●	●	●	●	●	●	●	●
Inspect Brake System		●	●	●	●	●	●	●	●	●
Renew Brake Fluid				●			●			●
Inspect Drive Chain*	●	●	●	●	●	●	●	●	●	●

SERVICE RECORD

The following section contains a log to document dealership services. Always consult the table opposite for the dealership service schedule.

If you require repair and maintenance information not covered in this handbook please contact your Morgan dealership or **dsc@morgan-motor.co.uk**

* INSPECT DRIVE CHAIN (IF FITTED)

Due to the variation in wear rate of motorcycle drive chains for reasons such as mileage, road conditions, cleaning and lubrication. It is not possible to synchronize the replacement with major service intervals. Therefore the chain should be inspected at every service and, if necessary, adjusted or replaced.


MILES 1902
0
MPH
0.0
RPM x 1,000

MORGAN SUPER 3 **THREE MONTH COURTESY CHECK** (OPTIONAL)

3 months after delivery

Checked by: .....

Name: .....

Address: .....

.....

.....

.....

Date: .....

Mileage: .....

Signature: .....

Dealer Stamp

MORGAN SUPER 3 1ST SERVICE

12 months or **10,000 miles (16,000km) after delivery** (whichever comes first.)

☐ RENEW OIL ☐ OIL FILTER ☐ AIR FILTER ☐ BEVEL BOX OIL ☐ INSPECT BRAKE SYSTEM

Checked by: .....

Name: .....

Address: .....

.....

.....

.....

Date: .....

Mileage: .....

Signature: .....

Dealer Stamp

MORGAN SUPER 3 2ND SERVICE

24 months or **20,000 miles (32,000km) after delivery** (whichever comes first.)

☐ RENEW OIL ☐ OIL FILTER ☐ AIR FILTER ☐ BEVEL BOX OIL ☐ INSPECT BRAKE SYSTEM

Checked by: .....

Name: .....

Address: .....

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.....

.....

Date: .....

Mileage: .....

Signature: .....

Dealer Stamp

MORGAN SUPER 3 3RD SERVICE

36 months or **30,000 miles (48,000km) after delivery** (whichever comes first.)

☐ RENEW OIL ☐ OIL FILTER ☐ AIR FILTER ☐ BEVEL BOX OIL ☐ INSPECT BRAKE SYSTEM ☐ INSPECT SPARK PLUGS ☐ RENEW BRAKE FLUID

Checked by: .....

Name: .....

Address: .....

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.....

Date: .....

Mileage: .....

Signature: .....

Dealer Stamp

MORGAN SUPER 3 4TH SERVICE

48 months or **40,000 miles (64,000km) after delivery** (whichever comes first.)

☐ RENEW OIL ☐ OIL FILTER ☐ AIR FILTER ☐ BEVEL BOX OIL ☐ INSPECT BRAKE SYSTEM

Checked by: .....

Name: .....

Address: .....

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.....

Date: .....

Mileage: .....

Signature: .....

Dealer Stamp

MORGAN SUPER 3 5TH SERVICE

60 months or **50,000 miles (80,000km) after delivery** (whichever comes first.)

☐ RENEW OIL ☐ OIL FILTER ☐ AIR FILTER ☐ BEVEL BOX OIL ☐ INSPECT BRAKE SYSTEM ☐ RENEW COOLANT

Checked by: .....

Dealer Stamp

Name: .....

Address: .....

.....

.....

.....

Date: .....

Mileage: .....

Signature: .....

MORGAN SUPER 3 6TH SERVICE

72 months or **60,000 miles (96,000km) after delivery** (whichever comes first.)

☐ RENEW OIL ☐ OIL FILTER ☐ AIR FILTER ☐ BEVEL BOX OIL ☐ INSPECT BRAKE SYSTEM ☐ REPLACE SPARK PLUGS ☐ RENEW BRAKE FLUID

Checked by: .....

Name: .....

Address: .....

.....

.....

.....

Date: .....

Mileage: .....

Signature: .....

Dealer Stamp

MORGAN SUPER 3 7TH SERVICE

84 months or **70,000 miles (112,000km) after delivery** (whichever comes first.)

☐ RENEW OIL ☐ OIL FILTER ☐ AIR FILTER ☐ BEVEL BOX OIL ☐ INSPECT BRAKE SYSTEM

Checked by: .....

Name: .....

Address: .....

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.....

.....

Date: .....

Mileage: .....

Signature: .....

Dealer Stamp

MORGAN SUPER 3 8TH SERVICE

96 months or **80,000 miles (128,000km) after delivery** (whichever comes first.)

☐ RENEW OIL ☐ OIL FILTER ☐ AIR FILTER ☐ BEVEL BOX OIL ☐ INSPECT BRAKE SYSTEM ☐ REPLACE TIMING BELT

Checked by: .....

Name: .....

Address: .....

.....

.....

.....

Date: .....

Mileage: .....

Signature: .....

Dealer Stamp

MORGAN SUPER 3 9TH SERVICE

108 months or **90,000 miles (145,000km) after delivery** (whichever comes first.)

☐ RENEW OIL ☐ OIL FILTER ☐ AIR FILTER ☐ BEVEL BOX OIL ☐ INSPECT BRAKE SYSTEM ☐ RENEW BRAKE FLUID

Checked by: .....

Name: .....

Address: .....

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Date: .....

Mileage: .....

Signature: .....

Dealer Stamp

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MORGAN