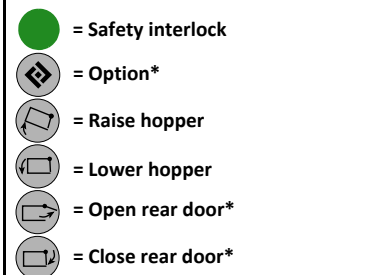
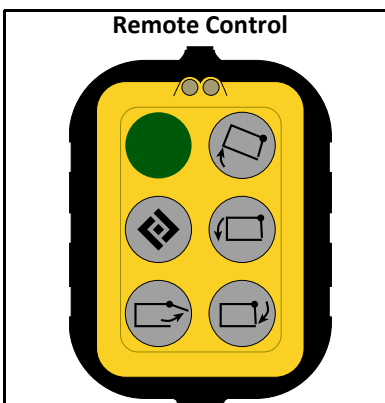
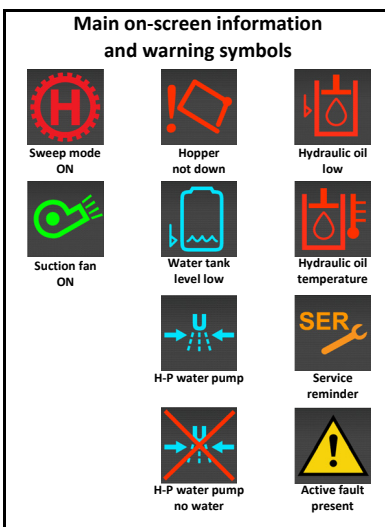
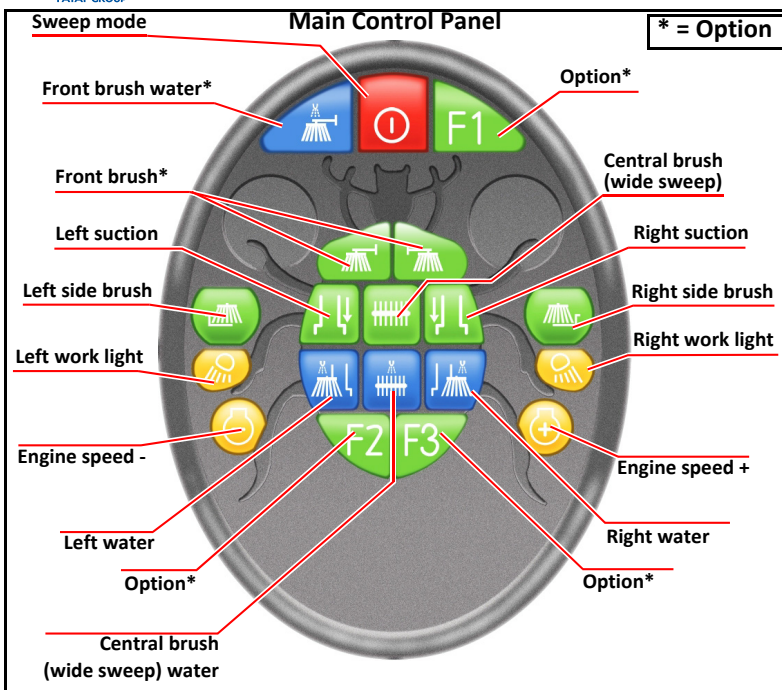


# **SCARAB M25H ROAD SWEEPER - Abbreviated Operating Instructions**



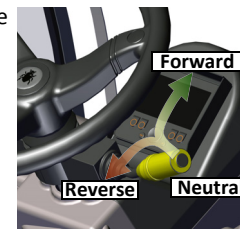
Press and hold down the Safety Interlock and the appropriate control switch.

For safety reasons only operate the Remote Control from outside the vehicle, from a vantage point that affords a good view of the sweeper and its surroundings.

## Normal drive mode

**⚠ No unauthorised or untrained personnel to operate this sweeper.**

1. Select Neutral (Yellow Control Lever). Handbrake ON. Sweep Mode switch OFF. Multi-function lever OFF. Start Engine.
2. Select Forward or Reverse (Yellow Control Lever).
3. Release handbrake, press accelerator pedal to move the vehicle.



## Sweep mode

4. Stop vehicle. Handbrake ON.
5. Sweep Mode switch ON. Engine RPM changes to pre-set level.
6. Select the desired sweeping equipment. Switch on Suction Fan.
7. Multi-function lever ON, beacons ON.
8. Select FORWARD (Yellow Control Lever). Handbrake OFF, depress accelerator pedal to move vehicle.

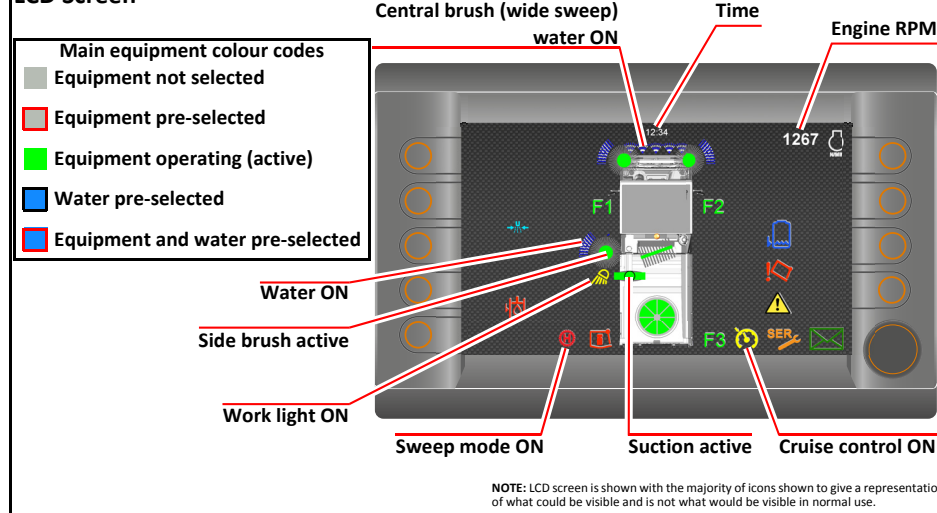
**i** Suction Fan speed (2000 RPM). Use Engine speed controls to change RPM if required.

## Cruise control (only in sweep mode)

9. With vehicle at the desired speed, select Cruise Control. Can be over-ridden by the accelerator pedal, and is cancelled by using the foot brake or by pressing the switch.
- i** When sweeping with a full load or up-hill, engine RPM may need to be increased.
- i** Vehicle movement is controlled, by means of the accelerator and brake pedal, similar to a vehicle fitted with automatic transmission.

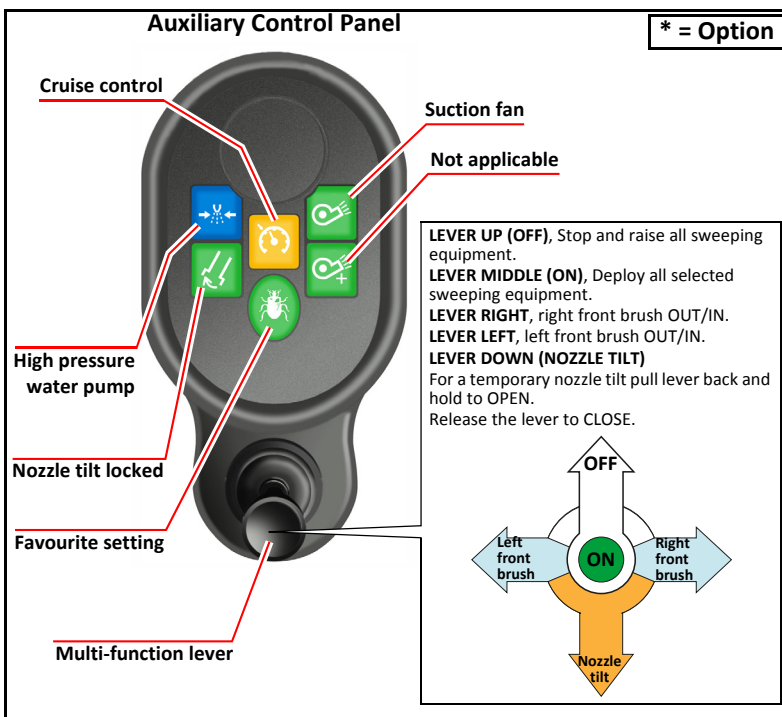
**⚠ Never press brake and accelerator pedals at the same time.**

## LCD Screen



**i** This document is designed as a quick reference guide, to allow the operator to drive the vehicle in Normal or Sweep Mode and operate the basic controls. It does not constitute the full operating instructions.

Please refer to reverse for health and safety advice



## Health and Safety

- Only trained operatives should be allowed to drive or work on this machine.
- Never work under a raised hopper, rear door or cab without the appropriate safety prop in position.
- Do not drive the vehicle with the hopper raised. The red warning symbol on the LCD monitor remains illuminated until the hopper is fully down.
- Before working on the vehicle ensure that it is on firm, level ground, apply the hand brake, stop the engine and remove the ignition key.
- Before raising the hopper or opening the rear door, ensure that there is sufficient clearance and it is safe to do so.
- Before starting the engine, ensure that all controls are switched off and the vehicle's gearbox and hydrostatic drive are in neutral.
- Before driving the vehicle, ensure that all vehicle checks have been carried out and that all equipment is stowed and the brushes are raised.
- Do not overload the hopper.
- High pressure water can be dangerous, always wear suitable eye protection when using the hand lance. Do not direct the water jet at other persons.
- Beware of electrical fittings on public buildings, lamp post etc. Misuse can result in serious injury.
- The suction fan is an extremely heavy rotating mass. Vibrations emanating from the suction fan must be investigated, the cause determined and rectified immediately.
- When working on the suction fan. Never attempt to slow or stop the fan by using your hands or by inserting any item into the fan chamber, even at low speeds. Failure to comply can result in serious injury.
- When operating the machine in any mode always be aware of objects and people in the immediate vicinity, especially at the rear of the machine when reversing.
- Whatever the situation, remember that the rules of traffic and road safety must be observed.
- While operating this machine the safety and well being of other people are the sole responsibility of the operator.



## Cautions

If the suction fan vibrates, it should be cleaned immediately (refer to the operating instructions). Prolonged vibration will result in damage to the fan, bearings and, in extreme cases, the hopper.



In the event of a hydraulic oil leak, stop the engine and investigate.

The high and low pressure water pumps must never be permitted to run dry or the piston seals will be damaged.

Do not direct the high pressure water jet directly at paintwork or electrical connections on the vehicle.

## Routine daily maintenance

1. Check vehicle's general condition (including: tyres, light and all fluid levels) in accordance with chassis manufactures' recommendations.
2. Check hydraulic oil level. If the hydraulic oil level is not maintained, the sweeping panel will automatically shut down until the oil level is correct.
3. Check condition of brushes and remove any items such as string that may be entangled.
4. Check ground clearance of suction box rubber flaps suction power can be lost if clearances are incorrect but it is possible to slightly vary these settings to better suit specific sweeping conditions according to operator's experience.
5. Check water spray jets for blockages.
6. Clean the oil cooler and check that the cooling fan functions. Note: If fitted, red light and buzzer operate when maximum temperature is reached.
7. Wash the vehicle, ensuring that the suction fan and hopper screen are cleaned.
8. Lubricate pivot points and wide sweep bearings.
9. Remove and clean the water strainer elements.
10. Always leave the vehicle with the rear door slightly open to allow water drain out.
11. In frosty weather, drain pumps and tank, remove water strainer elements, switch on all water sprays and run low pressure pump until dry.



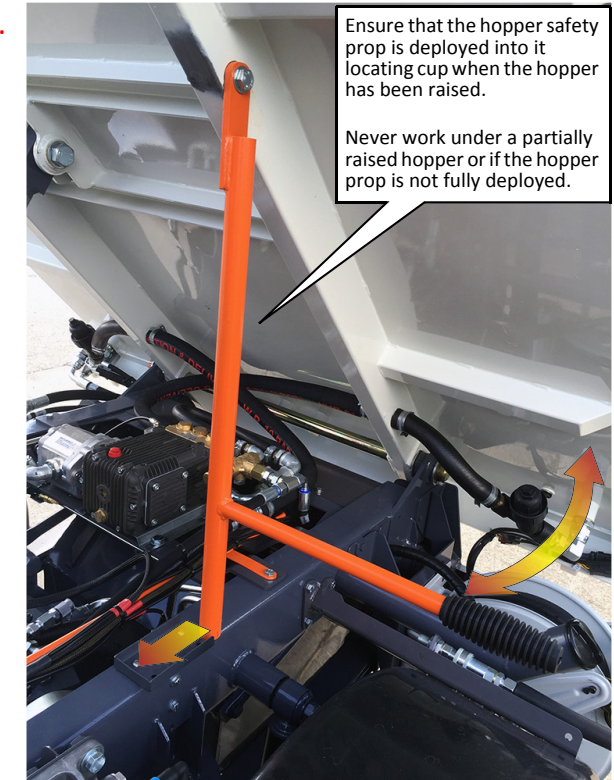
Hydraulic oil: HPL 32 or an equivalent.

Engine oil: 10w - 40

Coolant: Ethylene Glycol (Eskimo long life)

Brake fluid: DOT 4

### Hopper safety prop



### Rear door safety prop

