

OPERATING

TOPICS

Sweeping

Dumping

Shutting Down the Sweeper

Rapid Reference Operating Outline

Sweeping

The sweeper is at its greatest efficiency when chassis sweeping speed is between 3-5 mph.

With the engine idling, ensure the hopper is fully lowered by depressing the HOPPER UP/DOWN switch to the "DOWN" position. Run the auxiliary engine up to minimum of 2300 – 2400 rpm. This is the rpm range for normal to light street sweepings. If sweeping becomes heavy, engine rpm should be increased to maximum throttle position. Lower the brooms and elevator into sweeping position by depressing and holding for several seconds the BROOMS UP/DOWN switch to the "DOWN" location. Press the SWEEP FORWARD switch to the "FORWARD" sweep position. The gutter brooms and main broom will begin turning. For dust control suppression press the WATER ON switch to the "ON" position. The water pump will begin operating to activate pressure spray to the front/rear spray bar and the gutter broom nozzles.

WARNING: Ensure all observers are clear of the sweeper at a minimum, distance of 10 feet.

NOTE: If the main broom and/or elevator become plugged with debris, push the SWEEP FORWARD /REVERSE switch to the center position. Then reverse the rotation by holding the switch in the "REVERSE" position. Once the main broom and elevator are free of debris, release the switch.

NOTE: When sweeping is extremely heavy, it is advisable to sweep with the truck moving as slow as possible and have the aux. engine at maximum rpm.

WARNING: It is unlawful to exceed the GVWR of the chassis. Care must be taken not to overload. This condition will also void warranty.

Dumping

IMPORTANT: When the hopper is full, it must be dumped before sweeping can continue.

Push the SWEEP switch to the center position to stop all rotation of the gutter brooms and main broom. Then lift the brooms and elevator by depressing the BROOMS UP/DOWN switch to the "UP" position. Do not operate the hopper until all brooms are lifted and are secure. Return the SPRAY switch to the center position to turn off the water pump. Drive to an appropriate level and stable dump area.

WARNING: The sweeper must be positioned on level and stable ground while dumping to prevent serious injury or damage. If raising and dumping the hopper is not done on level and stable ground, the lifting arms, frame and canopies may be damaged. Failures resulting from the machine being dumped on uneven ground will void the warranty.

WARNING: Never MOVE vehicle while dumping.

WARNING: Always check BEHIND and ABOVE sweeper before backing up or raising the hopper! Serious damage may result otherwise.

WARNING: Never use hopper safeties with material in the hopper. Safeties will not hold a loaded hopper.

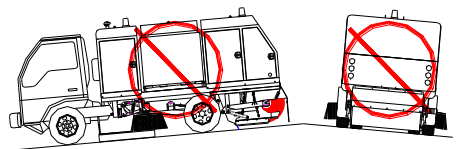
When in position, place the sweeper transmission lever in neutral and engage the parking brake. Elevate the hopper by pressing the HOPPER RAISE/LOWER switch to the “RAISE” position until the desired height is reached.

NOTE: The hopper is capable of being dumped at any height and can be raised or lowered while dumping, provided the sweeper is being operated on level ground.

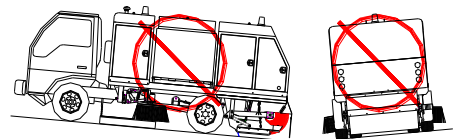
Tilt the hopper to dump its contents by pressing the HOPPER DUMP/RETRACT switch to the “DUMP” position. When the hopper is empty, return it back to its home position by retracting the hopper using the HOPPER DUMP/RETRACT switch and lowering the hopper with the HOPPER RAISE/LOWER switch.

To resume sweeping, lower brooms and elevator into sweeping position with the BROOMS UP/DOWN switch, press the SWEEP switch to the “FWD” position, and turn on the dust control system with the SPRAY switch, if desired. **REMINDER:** At night, the Main Broom light may be used to assist in backing up.

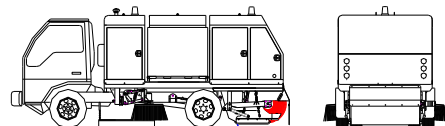
NOT A SAFE HOPPER LIFT AND/OR DUMP ANGLE



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SAFE HOPPER LIFT AND/OR DUMP ANGLE



Shutting Down the Sweeper

When you are finished sweeping, use the following steps:

1. Set the engine throttle to idle.
2. Raise the brooms completely to provide maximum ground clearance.
3. Turn 'OFF' the water system.
4. The sweeper warning and flashing lights should be turned to the 'OFF' position.
5. Turn the sweeper's power switch to 'OFF'.

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1. Check the truck engine and sweeper engine for the correct crankcase oil and coolant levels.
2. Fill the water storage tank.
3. Start the truck engine and check the control panel for the correct switch settings.
4. Crank the sweeper engine.
5. Let the engine warm-up to operating temperature before sweeping.
6. Turn 'ON' all warning lights and flashers.
7. Lower the brooms to the pavement.
8. Throttle to desire sweeping RPMs.
9. Start the water system.
10. Turn on the curb broom
11. Put the truck in gear and begin sweeping.
12. Avoid surface obstacles.