



**NITEHAWK<sup>®</sup>**  
**SWEEPERS**



**PRE-OPERATION INSPECTION  
CHECKLIST**  
**RAPTOR**

# Pre-Operation Inspection

Company Truck #	Chassis Model	VIN	Sweeper	Unit #
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Mileage	<input type="text"/>		Fuel Level	<input type="text"/>
Sweeper Hours	<input type="text"/>		Safety Stickers	<input type="text"/>
Broom Hours	<input type="text"/>		Operators Manual	<input type="text"/>
Cab Interior Clean	<input type="text"/>		Toolbox Keys	<input type="text"/>

## CHASSIS

### Lighting

- |   |   |  |  |  |
|---|---|--|--|--|
| <input type="checkbox"/> Left Headlight   | <input type="checkbox"/> Left Turn Signal   | <input type="checkbox"/> Right Headlight   | <input type="checkbox"/> Right Turn Signal   | <input type="checkbox"/> Hazard / Flashers       |
| <input type="checkbox"/> Left Brake light | <input type="checkbox"/> Left Reverse Light | <input type="checkbox"/> Right Brake light | <input type="checkbox"/> Right Reverse Light | <input type="checkbox"/> Battery Terminals Tight |

**Tires & Wheels - Correct PSI, Tread Depth Indicator not Showing, All Lugnuts Tight**  
(70 psi for 16" wheels, 90 psi for 19.5" wheels)

- |  |  |   |   |
|--|--|---|---|
| <input type="checkbox"/> Driver Front        | <input type="checkbox"/> Pax Front           |   |   |
| <input type="checkbox"/> Driver Rear - Inner | <input type="checkbox"/> Driver Rear - Outer | <input type="checkbox"/> Pax Rear - Inner | <input type="checkbox"/> Pax Rear - Outer |

### Fluids - Clean and Full

- |   |   |   |                                 |
|---|---|---|---------------------------------|
| <input type="checkbox"/> Engine Oil       | <input type="checkbox"/> Engine Coolant | <input type="checkbox"/> Power Steering | <input type="checkbox"/> Brakes |
| <input type="checkbox"/> Windshield Wiper | <input type="checkbox"/> Transmission   |   |                                 |

### Cab

- |  |  |  |   |   |
|--|--|--|---|---|
| <input type="checkbox"/> Parking Brake         | <input type="checkbox"/> Horn                | <input type="checkbox"/> Windshield Wipers | <input type="checkbox"/> Reverse Camera | <input type="checkbox"/> Back Up Alarm        |
| <input type="checkbox"/> Cab Tilt Lock Engaged | <input type="checkbox"/> Safety Triangle Kit | <input type="checkbox"/> Fire Extinguisher | <input type="checkbox"/> Seat Belts     | <input type="checkbox"/> Sweeper Safety Stand |

### Warning / Indicator Lights On

- |   |                                       |   |   |
|---|---------------------------------------|---|---|
| <input type="checkbox"/> Check Engine Light | <input type="checkbox"/> ABS          | <input type="checkbox"/> Reduced Power Mode | <input type="checkbox"/> Brake Booster/Vacuum |
| <input type="checkbox"/> Battery            | <input type="checkbox"/> Oil Pressure | <input type="checkbox"/> Service Vehicle    | <input type="checkbox"/> Cab Tilt             |

# SWEEPER

☐ **Hydraulic Pump Belt** (no puncture/divot marks, no frayed edges)

☐ **Measure Curb Broom bristle length** - indicate % life remaining (12" = 100%, 10" = 75%, 8" = 50%, 6" = 25%)

Driver Side:

Pax Side:

☐ **Inspect Sweeping Head** - is Straight / Level across entire length/width of head  
No damage, skid plates level with head, no visible damage to flaps or skids

☐ **Measure Thickness of Skids on each side of sweeping head** (3/4" = 100%, 1/2" = 50%, 1/4" = 25%)

☐ **Measure length of rear flap from top of sweeping head** - indicate % life remaining (7" = 100%, 6.5" = 75%, 6" = 50%, 5.5" = 25%)

☐ **Measure gap between bottom of rear flap and flat/level ground when head is extended.**  
If gap is greater than 1/4", remove skid spacer to eliminate gap

☐ **Inspect Drag Bars** - hardware is snug, no damage present

☐ **Verify Hopper Screen is clean and clear of obstruction**

☐ **All Magnets are clean and clear of debris**

☐ **10" tubes are secured, have no punctures or wear indicators**

Driver Side: ☐

Pax Side: ☐

☐ **Open fan access plate and verify coupler moves freely, has 1/8" play**

☐ **Inspect Hopper Doors** - make sure seals are intact, secured and free of damage

Driver Side: ☐

Pax Side: ☐

Dump door: ☐

☐ **Hopper Dump Cylinder - Pins** (verify secure and cotter pins present, locked in)

Driver Side: ☐

Pax Side: ☐

☐ **Hydraulic System Fluid is at proper level on Tank** (top of sight gauge, fluid is clear)

☐ **Hydraulic System Filters - Indicator not in Red**

Pressure Filter: ☐

Return Filter: ☐

☐ **Hydraulic Reservoir Breather Filter** - Secured, no excessive fluid on top of reservoir

☐ **Curb Broom Accumulator Dump Valve in Correct Position (locked IN), Warning Tag Installed**

Driver Side: ☐

Pax Side: ☐

- ☐ Check all hydraulic hoses and manifold for leaks at crimps, fittings
- ☐ Test Hydraulic System Cooling Fan turns on
- ☐ Sweeper Work Lights - Operational
  - Front: ☐ Driver Curb Broom: ☐ Driver Sweeping Head: ☐ Front Bumper Strobes: ☐ Center Beacon: ☐
  - Rear: ☐ Pax Curb Broom: ☐ Pax Sweeping Head: ☐ Rear Bumper Strobes: ☐
- ☐ Sweeper Master Circuit Breaker operation, is in correct position
- ☐ Hopper Marker / Running Lights - All Operational
- ☐ Rear Toolboxes - Clean, Lights Operational, Latches Secure
  - Driver Side: ☐ Pax Side: ☐
- ☐ Side Suction Hose Secure to Bumper, Operating Plate is in Cab of Truck

## DRIVE TEST

- ☐ Brakes - effective, no excessive play in pedal
- ☐ Steering - wheel position correct and no free play
- ☐ Transmission - shifts smoothly through all gears
- ☐ Engine - runs smoothly at all RPM
- ☐ Test All Sweeper Operations for Normal Function
  - ☐ Sweeper Powers Up and Operates Normally at all Power Settings, modulate power between 50-100%
  - ☐ Head Extends / Retracts (5 Times)
  - ☐ Broom(s) Extend / Retract (5 Times)
  - ☐ Broom(s) Speed Set to Appropriate Level
  - ☐ Hopper Raises / Lowers (3 Times, also verify hopper warning indicator works)
- ☐ Test Sweeper Dust Suppression System
- ☐ Sweep with unit over a variety of debris - ensure performing as expected
- ☐ Check Fan at 100% power for any abnormal noise from bearings - lubricate per factory recommendations if needed
- ☐ Do a walkaround inspection of sweeper AFTER testing, looking for leaks, loose components, any damage
- ☐ Complete 1 Min walk-around Video showing ENTIRE TRUCK AND SWEEPER. Document any mechanical or cosmetic damage

Inspection Completed by: \_\_\_\_\_ Date Completed: \_\_\_\_ / \_\_\_\_ / \_\_\_\_