skyVac®

INTERCEPTOR

INSTRUCTION MANUAL

spinaclean ltd

home of skyVac®

5th January 2022

KEY FEATURES

CONGRATULATIONS ON YOUR PURCHASE

An exceptional system, delivering **155 Inch water lift** & **8,000 Litres per minute air flow.** Capable of accessing gutters up to 12m / 40ft / 4 stories in height.

With an onboard Honda motor, the **SkyVac® Interceptor** offers the freedom to operate without trailing power cables. For high access, the system comes with **SkyVac® Elite** ultra lightweight carbon fibre poles and Vac Release cuff, along with an array of tools, to tackle the contents and shape, of every gutter challenge.

Pole number

will vary, depending on height package purchased.

SERIAL NUMBER.....TO COMPLETED BY THE USER

OPERATIONAL SAFETY

NOISE EMISSION:

Sound Power Level (LWA) 107 dB

91 dB(A) @ 1M at Normal Operating Level 3,000—3,300 rpm

96 dB(A) @ 1M at Maximum set 3,850 rpm

- **Ear Protection MUST be worn at ALL times when equipment is in use.**

WEIGHT & HANDLING:

The starting weight of each system is:

PULL START: 78Kg (Empty)

KEY START : 87Kg (Empty)

The drum can accommodate 70 Litres of debris.

- **Risk Assessment:** Consideration of the area being cleaned, accessibility and potential requirements for ramps or lifting aids should be reviewed prior to use.
- **Transportation:** Ensure the skyVac® Interceptor is empty of debris and securely stowed during transit.

WET PICK UP:

The vacuum cleaner should be switched off immediately if foam or liquid is discharged. Ensure the drum is emptied regularly.

The system is fitted with a float release valve to prevent the system from becoming too full with liquids.

FOOT BREAK:

The skyVac® Interceptor has front locking wheels to keep the unit parked in place. Ensure the breaks are engaged whilst the vacuum is in use, or parked, especially on areas with an incline.

skyVac® INTERCEPTOR

SAFETY INSTRUCTIONS

IMPORTANT PLEASE READ BOTH:

1. **SKYVAC INTERCEPTOR MANUAL**
2. **HONDA OWNERS MANUAL**

CAREFULLY BEFORE OPERATING THE MACHINE

This Spinaclean Heavy Duty Vacuum Cleaner is designed to handle a wide range of cleaning and debris collection operations in industrial areas.

CAUTION:

This vacuum cleaner must not be used for the collection of health endangering flammable or explosive material.

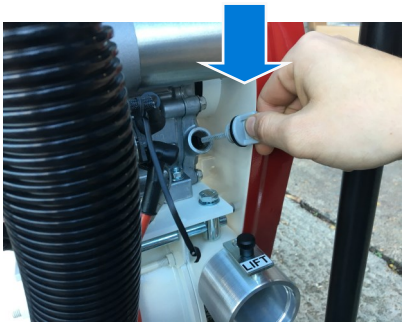
ENGINE & OPERATIONAL SAFETY

1) To prevent fire hazards and to provide adequate ventilation, keep the engine at least one metre away from buildings and other equipment during operation. DO NOT place flammable objects close to the engine
2) Children and pets must be kept away from the area of operation due to a possibility of burns from hot engine components or injury from any equipment.
3) Know how to stop the engine quickly , and understand the operation of all controls. Never permit anyone to operate the engine without proper instructions.
4) Petrol is extremely flammable and explosive under certain conditions
5) Re-fuel in a well ventilated area with engine stopped. DO NOT smoke or allow flames or sparks in the refuelling area or where petrol is stored.
6) DO NOT over fill the tank. After refuelling make sure the tank cap is closed properly and securely
7) Be careful not to spill fuel when re-fuelling. Fuel vapour or spilled fuel may ignite. If any fuel is spilled, make sure the area is dry before restarting
8) Never run the engine in an enclosed or confined area. Exhaust contains poisonous carbon monoxide gas, exposure may cause loss of consciousness and may lead to death
9) The muffler becomes very hot during operation and remains hot for a while after stopping the engine. Be careful not to touch the muffler while it is hot.
   To avoid severe burns or fire hazards, let the engine cool before transporting it or storing it indoors
10) DO NOT leave the machine in operation unattended.

PREPARATION FOR EACH USE

MOTOR CHECKLIST:

1) Check for petrol leaks (clean up any spillages)
2) Check HT (spark plug) lead for damage
3) Check trailing grounding lead is intact and touching the ground
4) Check oil level is correct
5) Check that collection drum is empty, or has sufficient capacity .



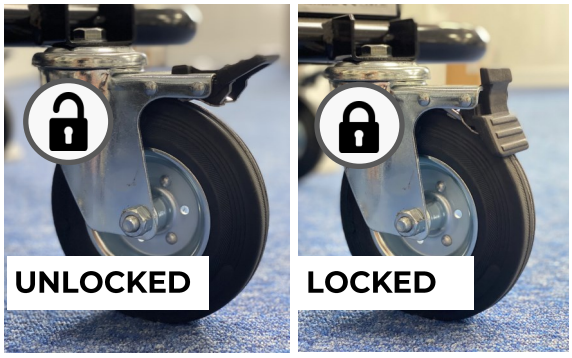
TO FILL THE ENGINE WITH OIL:

Ensure the Interceptor is on level ground. Remove the grey dipstick and fill with multigrade 10w 40 engine oil. Pour up to the bottom of the thread in the dipstick chamber

For Further Information, refer to HONDA OWNERS MANUAL

FRONT LOCKING CASTORS:

BOTH CASTORS ARE FITTED WITH A BREAK TO SECURE THE SYSTEM IN PLACE.



TO APPLY BREAK:

- Using your foot, press the plastic lever over the wheel into the “locked” position.

TO RELEASE BREAK:

- Lift the lever to the upright position, unlocked.

Ensure the breaks are engaged whilst the vacuum is in use, in transit or parked.

INTERCEPTOR SYSTEM

1. Drain Hose
2. Drum
3. Sieve basket
4. Drum Locking Clamps
5. Vac Suction Head
6. Filter Protection plate
7. Filter
8. Brake

9. Metal inlet pipe
10. Suction / vac inlet Port
11. Honda Engine
12. All Terrain chassis

STARTING THE ENGINE

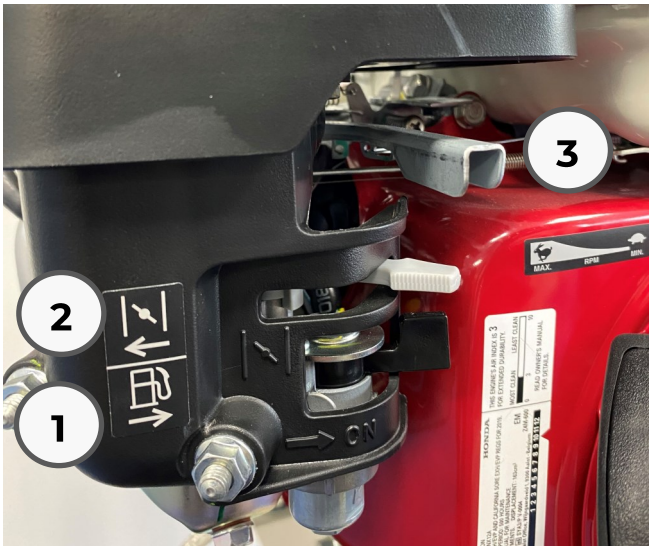
START UP & OPERATION:

Before starting the machine the user must be familiar with the engine starting and stopping procedure and any safety requirements stated in the Honda engine manufacturer's handbook supplied with the unit.

1) FUEL LINE:

BOTTOM BLACK LEVER.

-Move fuel valve to ON position (Far Right).



2) CHOKE:

MIDDLE WHITE LEVER.

-Move lever CLOSED position (Far Left).

NB: Choke may not be needed if the engine is warm or the air temperature is high.

3) THROTTLE:

TOP SILVER LEVER.

4) START THE ENGINE:

PULL START

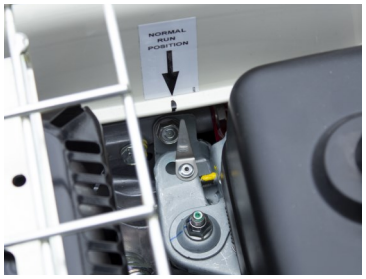
A) PULL START:

- Turn the engine switch to the ON position.
- Pull the starter grip lightly until resistance is felt, then pull briskly.
- DO NOT allow the starter grip to snap back against the casing, return it gently to prevent damage to starter.

KEY START

B) ELECTRIC KEY START:

- Turn the engine switch to the start position.
- Hold in place until engine starts (no more than 5 seconds). Return switch to the ON position.
- If the engine fails to start wait 10 seconds before retrying.



5) CHOKE:

- Position the throttle lever to normal operating position and begin use.
- Vacuuming with higher rpm is permissible but should not be undertaken for prolong periods of time

6) POWER OFF:

PULL START: Turn the ignition switch to off (O).

KEY START: Turn the key to OFF (O)

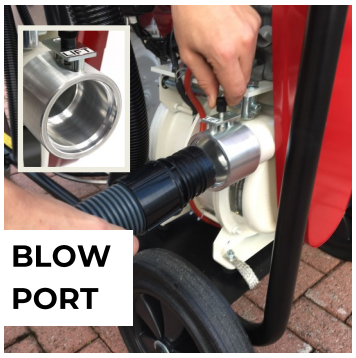
FUEL LINE: For transportation, close fuel line, move lever to the left.

SUCTION/ BLOW PORTS

SUCTION PORT: SIDE INLET ON DRUM:

TO INSERT DRUM CUFF:
-Push the drum to hose cuff into the suction port.
-Once correctly inserted, the cuff will click / lock in place.

TO REMOVE DRUM CUFF:
-LIFT the catch underneath the drum inlet. This will release the lock so that the hose can be removed.



BLOW PORT: EXHAUST OUTLET ON HONDA MOTOR:

TO INSERT DRUM CUFF:
-LIFT the knob, and push the cuff into the exhaust port.
-Release the knob when fully inserted.

TO REMOVE DRUM CUFF:
-LIFT the knob. This will release the lock so that the hose can be removed.

REMOVING SUCTION HEAD

The suction head will need to be removed to:

- check the float valve,
- Access the filter
- Empty the drum.

IMPORTANT: The engine must be switched off prior to removal / replacing Vac Head.
The Filter Protection Plate must Lines up with the Vac entry port.

TO REMOVE THE SUCTION HEAD.

1. Remove the suction hose cuff from the metal inlet pipe.
2. Unhook the three metal clamps that secure the vacuum head in place.
3. Lift the Vacuum head from the drum.
4. stand the suction head in a safe location—using the foot rest.

TO REPLACE THE SUCTION HEAD:

1. Lift the head vacuum head and place onto the drum.
2. <u>IMPORTANT:</u> Position the filter debris protection plate inline with the drum inlet *(approx. 1pm on the clock).*
3. Standing at the (drum) end of the trolley, facing the motor. Position the metal inlet pipe at the 1pm (directly lined up with the drum suction port).
4. Attach the suction hose cuff to the metal inlet pipe.
5. Secure the metal clamps around the drum.

FLOAT VALVE / FILTER

FLOAT VALVE / AUTO SHUT OFF:

LOCATED INSIDE CARTRIDGE FILTER ON VAC HEAD:

The system features a float valve which shuts the motor off when liquids reache a set level in the drum. Float Valve activation is indicated by:

- **Temporary loss of suction**
- **Change in vacuum sound.**

Once the float valve is triggered the system should be turned off and emptied. Ensure that the float valve is clean and free of debris

TO REMOVE:

1. Remove the filter end cap, and filter as per instructions.
2. Hold the top of the unit and rotate anti-clock.

TO REPLACE:

1. Ensure the valve is placed in the unit with the “open” end facing down.
2. Insert the float valve unit into the cage.
3. Rotate the unit clockwise to lock the four feet in place.

TO REMOVE / REPLACE FILTER:

LOCATED WITHIN THE FILTER PROTECTION PLATE:

The cartridge filter is housed within the steel deflector plate and foot rest.

TO REMOVE:

1. Rotate the filter end cap anti-clockwise, remove and put safely to one side.
2. Ease the filter out of the housing.

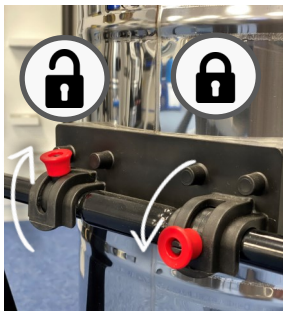
TO REPLACE:

1. Ease the filter inside the housing, over the top of the float valve.
2. Secure in place with the filter end cap. Rotate right to lock in place.

TO REMOVE THE DRUM FROM THE TROLLEY:

DRUM “LOCKED” TO THE TROLLEY WITH CLAMPS.

The drum is fixed to the trolley mount with two red locking levers.



TO REMOVE:

- Unlock the drum from the trolley by tilting both red nobs upwards.
- Lift drum from the bar, and free of the trolley.

TO REPLACE:

- Lower the drum into the central position on the trolley mount bar.
- Lock in place by tilting both red levers downwards.

EMPTY THE SYSTEM

TO EMPTY THE DRUM (WITHOUT SIEVE BASKET & DRAIN HOSE)

REMOVE THE SUCTION HEAD:

1. Ensure the motor is turned off and both locking front castors are in the break position.
2. Grasp the handle at the top and the bottom of the drum (handles are facing inwards towards the motor. Use caution as motor may be hot from use).
3. Lift and pivot the drum forwards, tipping the contents out.
4. Once empty, tilt the drum back onto the trolley base.

TO EMPTY THE DRUM (WITH SIEVE BASKET & DRAIN HOSE)

REMOVE THE SUCTION HEAD:

EMPTY LIQUID CONTENTS:

1. Unclamp the Liquid drain hose from the side of the drum.
2. Place the hose over a drain.
3. Remove the ballcock from the end of the hose cover and allow the liquid to drain away.
4. Once empty, secure the hose cover and secure back on the side of the drum.

REMOVE SIEVE BASKET:

1. Reach into the drum and remove the outer plastic ring that secures the basket in place.
2. Grasp the handles on inside the top of the basket.
3. Ease the basket out from the inside of the drum.
4. Tip contents into a compostable bin.

REPLACE SIEVE BASKET:

1. Ease the sieve into the drum, resting the basket feet inside the base.
2. Overlay the black plastic outer around the rim of the sieve to secure in place.

HOSE, NECK & END TOOLS

SOFT CUFF:

ATTACH TO BASE OF POLE :

- Ease flexible cuff end over the base of the lowest pole (which should always be the Vac Release pole).

HARD CUFF:

INSERT INTO SUCTION / BLOW PORT:

- Insert the cuff into the suction or blow port.

Once attached, the hose cuff will click securely in place.

Both cuffs are supplied already

END TOOLS & HAIRPIN NECK:

5 x END TOOLS: 5 x Elite Tools: Aluminium Long end tool / Dual End Multi Tool / Aluminium Tapered end tool / Long soft tool Aluminium Crevice end tool

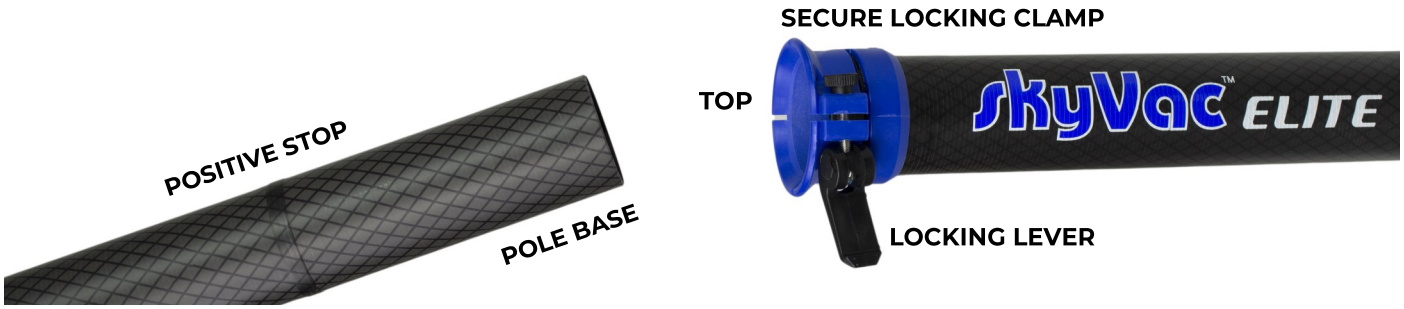
skyVac® Elite Hairpin* tool holder – for firmer control and less risk of blockages.

*European Community Design Registration Number 008458913

ATTACHING THE END TOOL TO THE HAIRPIN NECK:

1. Insert required end tool into the open clamped end of on skyVac® Hairpin neck tool holder.
2. Push the clamp flat to the pole to lock in place
3. Insert the base of the Hairpin neck into the open neck of the Elite Pole.
4. Close the clamp on the Elite pole to secure in place.

ELITE POLE SYSTEM



The skyVac® Elite system features a “Positive stop” or ridged edge around the base of the pole. The ridge ensures that the pole base stops at the correct point when inserted into the unlocked clamped pole (male into female). Once the ridge is positioned inside the neck, the lever can be pulled closed to secure the pole in place.

ELITE CLAMP SYSTEM

ADJUST TENSION:

Adjust the screw by twisting the lever for a secure fit.

TIGHTEN: Twist clockwise.

LOOSEN: Twist anti-clockwise.

LOCK / UNLOCK:

Secure the clamps in place to lock the poles together for use.

LOCK: Push lever forward, so it rests flat against the screw fixture

UNLOCK: Pull lever back away from the pole.

VAC RELEASE POLE

SKYVAC® VAC RELEASE CUFF:

Features an air inlet chamber which enables suction control by twisting the cuff and opening / closing the chamber.

DOOR OPEN: To cut suction.

DOOR CLOSED: To engage suction.

ELITE POLE ASSEMBLY

ALWAYS assemble and your poles with the highest point resting against the side of a property.

ASSEMBLING POLES TO HEIGTH:

1. Line suction poles up against the side of the property, with the clamps open.
2. Insert the gutter tool into the unclamped neck of the Hairpin tool holder.
3. Close the neck clamp to lock the gutter tool in place.
4. Insert the Hairpin neck into the top pole and lock in place.
5. Take the top suction pole and raise it up the side of the property, resting the neck against the wall for support.
6. Insert the base of the TOP POLE into the neck of the bottom pole and secure in place.
7. Feather the stacked suction poles up against the side of the property.
8. Repeat to a maximum of 8 poles (Including the Vac Release cuff)
9. The FINAL POLE is ALWAYS the VAC Release Cuff.
10. Attach the Vac hose cuff to the base of the bottom pole (Vac Release cuff).
11. Hook the end tool in the gutter for support, and attach the vac hose to end pole.
12. Start up the vacuum.

USING THE VAC RELEASE CUFF:

1. Ensure the intended “drop” area below is clear .
2. Place the end tool over the gutter turf and when securely held , lift the turf up out of the gutter.
3. Rotate the Vac cuff chamber, clockwise, allowing air into the chamber, cutting suction. The Turf will drop.
4. Close the Vac chamber by twisting anti-clockwise to re-start the suction.

POLE MAINTENANCE

DISSASSEMBLING POLES:

1. Remove the Vac hose cuff from the base of the bottom pole.
2. With the top pole resting against the side of the property, lower the poles vertically down the side of the building.
3. Once the neck of the base pole is at working height, unlock the neck clamp and remove the pole. Place safely on the ground.
4. Repeat the process, lowering one section at a time whilst resting the neck against the side of the property.
5. Secure all levers into the locked position before packing poles away to prevent damage.

POLE MAINTENANCE:

Wet or damp gutter dirt can sometimes stick and line the inside of your poles.

The poles will feel cold to touch and the pole weight increased slightly. To remedy this, place the end tool in water and suck up a small amount of water.

At the end of each project, flush the end tools, neck and hose through by sucking from a clean bucket of water.

FILTER MAINTENANCE

1. For maximum suction, start each project with a clean and dry filter.
2. We recommend keeping the filter in at all times to protect the motor.
3. Remove and clean your filter at the end of each project.

TO CLEAN:

1. Brush the sides of the filter with a stiff brush to remove excess dirt.
2. If the filter is exceptionally dirty, use a domestic hose with spray jet attachment to wash down.
3. Brush around the air intake section of the vacuum head.

NOTE:

1. **The motor drawers air into the engine, passing through the filter.**
2. **If the filter becomes 1) clogged with dirt or 2) wet through, then air flow to the motor becomes restricted.**
3. **A dirty / clogged filter will affect your engine performance and can result in a loss of suction.**
4. **The filter can be removed for extremely wet projects (where there is no risk of dry dust entering the motor) - but MUST be replaced at the start of each new project.**
5. **We recommend having a spare filter with your system, so you can alternate filter use.**
6. **Replace your filter every four months.**

SYMPTOM	POTENTIAL CAUSE	REMEDY
Loss of Suction	Blocked filter, or full bin	Clean filter and empty bin
Loss of Suction	Blockages in flexi neck, or poles, or vac entrance	Clear blockages
Loss of Suction	Leaves blocking at end tool	Tap leaves & end tool on roof tiles
Loss of Suction	Blocked flexi neck	Place end tool on the roof and gently pull down, to slightly straighten flexi bend, in order to unblock
Loss of Suction	Damp debris build up, inside flexi hose of tubes	Suck water from the bucket.
Machine stopped working	Loss of power	Check power supply

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