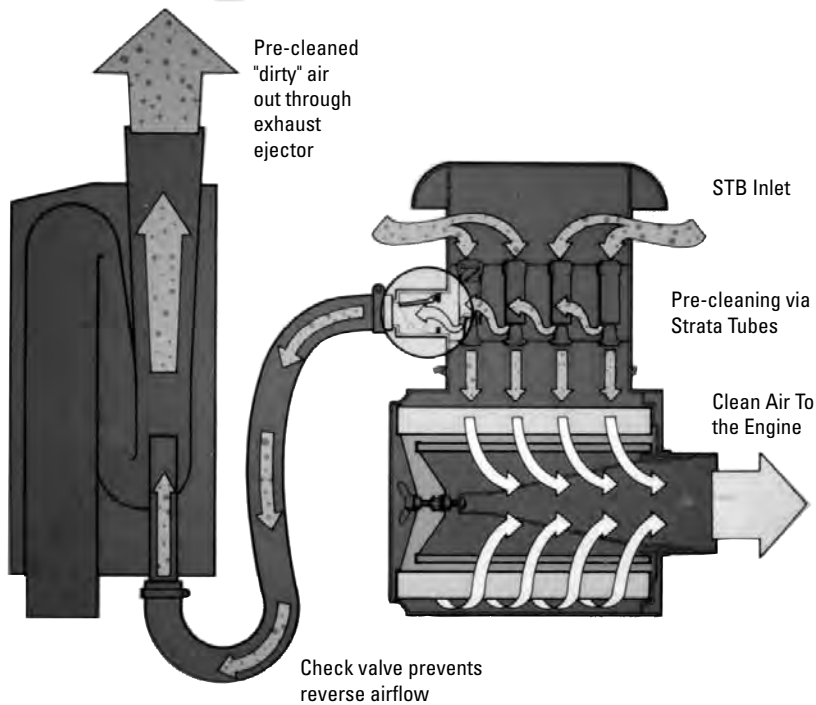


## Installation Guidelines for STB Strata™ System

### How the Strata™ System Works



STB Model	Scavenge Outlet OD	Hose Part No	Hose ID
B160071	2.0"	P171381	2.0"

### Connecting Scavenge Hose to Pre-cleaner

A check valve is built into the Strata Pre-cleaner. Connect the scavenge hose directly to the outlet tube with a clamp. A Donaldson lined hose clamp is recommended (see Intake Accessories section).

### Connecting Hose to Ejector

When connecting the scavenge hose to the exhaust ejector, leave 2" (52 mm) between the end of the hose and the body of the ejector.

### Exhaust Ejector

Donaldson offers three ejectors styles that are compatible with Strata systems – see the Intake Accessories section for choices.

### Positioning the Strata™ Pre-Cleaner

- It is usually best to have the pre-cleaner positioned above the hood of the vehicle so that cleaner air (above the dust cloud) can be drawn into the unit.
- The pre-cleaner section should be below the exhaust stack. Be careful NOT to mount the Strata™ pre-cleaning section in such a way that it draws in exhaust gases from the exhaust stack.

If the pre-cleaner cannot be positioned according to the above guidelines, consider adding an extension to put the intake point at a higher level.

- The extension should be added above the Strata tube section, below the inlet hood.
- Do NOT mount the Strata pre-cleaner on top of the extension as its weight would make the arrangement top heavy and unstable.

### Scavenge Hose

Scavenge line between the air cleaner and the exhaust ejector should be kept as short and as straight as possible. The ideal scavenge hose length for a Strata system is under 5 feet and should never be longer than 10 feet.

Minimize bends and be sure that hose is supported properly. (Unsupported lengths of hose should not exceed 5 feet.) Bend radii of the hose should not be less than 15 inches. Minimize the number of 90° bends – preferably two or less.

Donaldson recommends three-ply silicone hose for the scavenge line. All Donaldson hose is supplied in 3-foot lengths (do not use flexible metal nor rigid tubing).

Do not add or create any additional back pressure downstream (ie: at the exhaust outlet) of the Strata pre-cleaner. Doing so may cause exhaust backflow to the pre-cleaner. (Examples of what NOT to do: mount a spark arrestor on top of the ejector, or operate with a stuck or frozen rain cap on the exhaust ejector.)

For ejector stacks and other system accessories, refer to Donaldson's Exhaust Catalog or contact your nearest Donaldson distribution outlet.

Note: Scavenge Hose, Exhaust Ejectors, Clamps Sold Separately