

OPTIMAX[®] Dual-Stage Precleaner Installation Kit for Caterpillar 826G Compactors with an Articulating Hood

Sy-Klone part number: 9503LF-014

Purpose:

The OPTIMAX[®] Dual-Stage Precleaner ejects the majority of particles through the ejection slot in the first stage of the system. Remaining fine particulate is exhausted through the scavenger connection in the second phase of precleaning. This unit has been designed to perform well in extreme debris conditions such as landfill environments, providing dramatically extended filter life. While routine cleaning and maintenance is not required, it is recommended that you perform periodic inspections to ensure the ejection slot does not become blocked. See the Video Library on www.sy-klone.com for a demonstration.

PRIOR TO INSTALLING OPTIMAX:

- The Optimax Dual-Stage Precleaner should always be installed with the machine turned off.
- If the machine already has the scavenging system equipped, verify suction coming from the system. You can use a rag or piece of paper to verify suction. Do not let go of the rag. If there is no suction the muffler scavenger is clogged or the muffler needs to be replaced.

Caution: If the muffler needs to be replaced stop installation and recover, plug or reconnect the scavenger tube. Tell the customer of the problem. Finish installation after the muffler is corrected.

Check suction
with a rag or
piece of paper.



Parts included in kit:

Stock code	Description	Quantity
067-9425	HOSE, ELBOW	2
1S-1668	HOSE-DISPOSAL	1
5P-1075	WASHER-HARD	12
9003	SY-KLONE PRECLEANER	1
91200	CLAMP WORMGEAR 2.00 IN	7
91300	CLAMP WORMGEAR 3.00 IN	4
91388	CLAMP T-BOLT 3.88 IN	4
91488	CLAMP T-BOLT 4.88 IN	1
91588	CLAMP T-BOLT 5.88 IN	1
91750W	CLAMP WORMGEAR 7.50 IN	2
LIT8001	OPTIMAX WINDOW STICKER	1
LIT8003	OPTIMAX FILTER CAN STICKER	1
LIT9000	STICKER INSTRUCTIONS	1
68011	EXPANSION W/O CLAMP	1
7H7	7" DIA HUMP HOSE	1
80012	EXTENSION W/O CLAMP	1
9003SC	PERF SCREEN 9003	1
XD18	NNY37 Z 3/8"-16 NYLON INST LOC	8
XD49	SCREWS-SELF-TAP #10X3/4 - BLACK	6
XHW0066	BOLT 3/8-16 x 1 1/4	8
OA09005	HOSE, EXHAUST - 2.0" ID	150 CM
OA11002	2" FLANGE ADAPTER	1
OA11004	STANDARD 11" OPTI BRACKET	1
STD7OPTIBS2	OPTIMAX 2ND STG CHMBR ALT 7	1

NOTE:

Scavenger system must be installed prior to kit installation.

The following parts are required from your Caterpillar Dealer (if there is no prior scavenger system installed)

Part Number	Qty
199-5517	1
8T-4195	2
8T-7934	2
7X-7729	5
9B-7237	2
8T-4186	1
127-8178	1
213-8654	1
5P-0597	2
7E-3339	1

Technical Support

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OPTIMAX INSTALLATION:

1. Remove existing precleaner or rain cap.

Fresh air inlet should look like this prior to install.



2. Check the restriction gauge by running the machine at high idle, record the results on a data sheet.
- 3) Shut machine down and turn off master power switch.
- 4) Skip to Step 6 if the scavenger plumbing has already been installed to the air intake.

NOTE: If there is no plumbing, then parts must be purchased from the local Caterpillar Dealer; the required Cat parts are listed on page 1. The check valve from the Caterpillar Dealer attaches to a bracket that attaches to the engine block.

- 5) Mount the purchased components which includes the hard pipe from the muffler unit and check valve. Then install the provided exhaust hose from the check valve to the area where the air cleaner inlet is located.



Purchased Cat Parts



- 6) Cut down the provided 7 Inch rubber hump hose/sleeve to match height of bracket and attach to filter inlet.

Exhaust hose from check valve



Air Cleaner Inlet



Rubber hose cut to fit height

7. Install bracket to the deck around the filter inlet with the provided hardware and attach the Optimax Assembly to the bracket as shown. Verify that all clamps are tightened, including the clamps for the hump hose underneath the bracket.

Optimax Assembly



Ejection Port

8. If the machine was not equipped with a scavenger system, attach the provided two inch scavenger hose to Optimax Ejection Port. If the machine was equipped with a scavenged precleaning system, cut the scavenged pipe down to match the height (with elbow attached) of the Optimax Ejection Port. A piece of the cut pipe will be used to couple the two elbows together.



Cut down pipe



Attach scavenger system

9. Optimax Installation is complete for the 826G Compactor with Articulating Hood. Please replace the primary and safety filters before operation.