

OPTIMAX[®] Dual-Stage Precleaner Installation Kit for John Deere 650-850J Crawler

Sy-Klone part number: 9505LF-002, SCAV-034

Purpose:

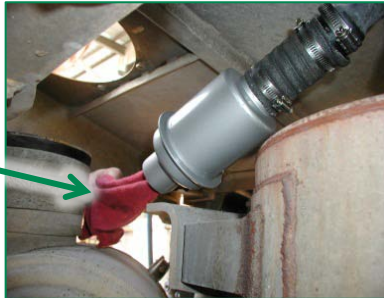
The OPTIMAX[®] Dual-Stage Precleaner ejects the majority of particles through the ejection slot in the first stage of the system. Remaining fine particulate is exhausted through the scavenger connection in the second phase of precleaning. This unit has been designed to perform well in extreme debris 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 as 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.*



OA09007 CHECK
VALVE



Parts included in kit:

Stock code	Description	Quantity
9005	SY-KLONE "5" PRECLEANER	1
91388	CLAMP T-BOLT 3.88 IN	2
91525	5" PRECLEANER CLAMP	1
91588	CLAMP T-BOLT 5.88 IN	1
50008	EXTENSION W/O CLAMP	1
65080	EXPANSION W/O CLAMP	1
9005SC	PERF SCREEN 9005	1
XD49	SCREWS-SELF-TAP #10X3/4 - BLACK	6
OA09005	HOSE, EXHAUST - 2.0" ID	2 FT
OA09007	CHECK VALVE SILVER	1
STD5OPTIBS3	OPTIMAX 2ND STG CHMBR	1
SCAV-034	SCAVENGER STACK	1
91300	3" WORMGEAR CLAMP	4

9505LF-002
ASSEMBLY



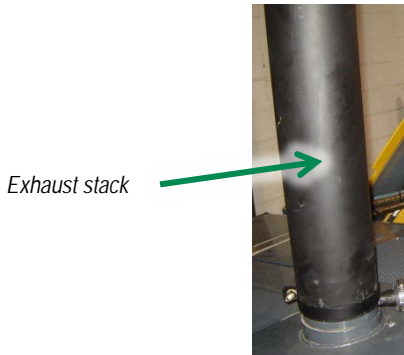
Technical Support

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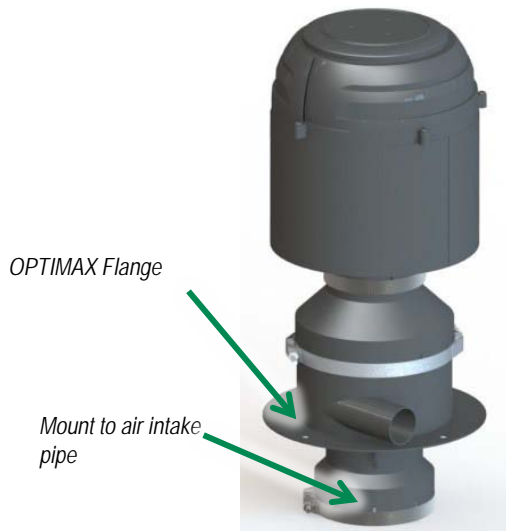
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OPTIMAX INSTALLATION:

1. Remove existing precleaner or rain cap.
2. Remove engine exhaust stack.



3. Shut machine down and turn off master power switch.
4. Install and clamp the SCAV-034 stack to the exhaust pipe.
5. Install the preassembled 9505LF-002 assembly to the air intake pipe and secure with clamp.



6. OPTIONAL: The mounting flange of the OPTIMAX can be used for extra support, since hood-lines vary in angle, Either a bracket or standoffs can be produced to match the hood-line if deemed necessary. Please contact Sy-Klone technical support for details.

7. Cut two lengths (each length determined at installation) of exhaust hose for the scavenger connection. Attach and clamp one length of hose to the OPTIMAX Scavenger Port and attach and clamp the other end to the check valve. Attach and clamp the second length of hose to the check valve and route it to the evacuator port on the SCAV-034 stack and clamp tight. (Note: the check valve has the airflow arrow etched on the part to aide in installation.)
8. OPTIMAX Installation is complete for the 650-850J John Deere Crawler. Please replace the primary and safety filters before operation.