

OPTIMAX[®] Dual-Stage Precleaner Installation Kit for Komatsu WA900

Sy-Klone part number: IN0063

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.



Replaceable Parts:

Stock code	Description	Quantity
9003	8" SY-KLONE PRECLEANER	1
FH20-001	2-INCH FLEX HOSE	1.5FT
67011	7 TO 11-INCH EXPANSION ADAPTER	1
68011	8 TO 11-INCH EXPANSION ADAPTER	1
7H7	7-INCH HUMP HOSE	1
OA09007	CHECK VALVE SILVER	1
OA11007	OPTIMAX BRACKET	1
S200X250	2-INCH STRAIGHT SLEEVE	1

Also included in kit:

Description	Quantity
3/8 WASHER	16
3/8-16 LOCK NUT	8
3/8-16 x 1 1/4 BOLT	8
2-INCH WORM GEAR CLAMP	4
3.88-INCH T-BOLT CLAMP	2
4.88-INCH T-BOLT CLAMP	2
5.88-INCH T-BOLT CLAMP	2
7.5-INCH WORM GEAR CLAMP	2
RUBBER STRIP	1
OPTICAN	1

Technical Support

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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. Finish installation after the muffler is corrected.

*Check suction
with a rag or
piece of paper.*



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OPTIMAX INSTALLATION:

1. Remove existing precleaner or rain cap.



Remove all Components above filter housing

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. To ensure a proper fit, insert the rubber strip on the inner diameter of the metal expansion adapter, where it will fit between the adapter and the filter housing.



Insert Rubber Strip on inner diameter of metal expansion adapter

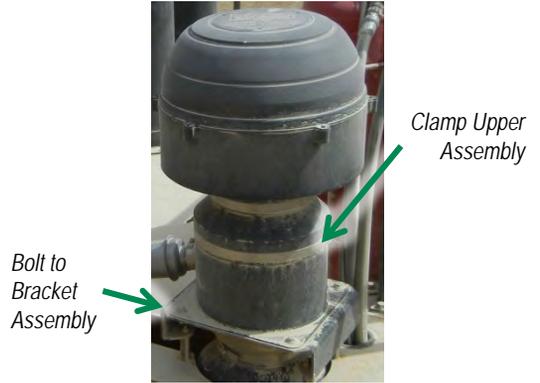
5. Mount the OPTIMAX bracket to the hood and cut down the provided 7-inch rubber hump hose to match the height of bracket.



OA11007 BRACKET

Rubber Hump Hose - cut to match bracket height

7. Attach the OPTICAN to the bracket assembly with the 3/8" bolts and clamp the hump hose to the bottom of the Optimax second stage. Once the OPTICAN has been rigidly mounted to the bracket assembly, clamp the upper assembly.



Bolt to Bracket Assembly

Clamp Upper Assembly

8. Attach the rubber sleeve to the OPTIMAX ejection port and clamp the check valve in the proper orientation as shown. Clamp the exhaust hose to the check valve, then plumb the hose to the evacuator port on muffler or to the existing evacuator line. (Note: the check valve has the airflow arrow etched on the part to aide in installation.)



Rubber sleeve and check valve

Exhaust Hose

9. The OPTIMAX installation on the first engine air intake inlet is now complete, repeat all steps for second engine air intake.

