

## OPTIMAX<sup>®</sup> Dual-Stage Precleaner Installation Kit for Komatsu WA380-7 Wheel Loader

Sy-Klone part number: IN0067

### Purpose:

The OPTIMAX<sup>®</sup> 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](http://www.sy-klone.com) for a demonstration.

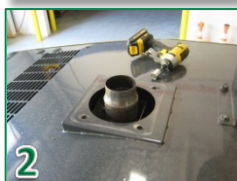
### REMOVE INTAKE ASSEMBLY:

1. Remove the intake access panels.
2. Loosen upper worm gear clamp on intake hump hose.
3. Remove the four bolts and washers securing the intake tube and retain.
4. Remove the intake tube.
5. Loosen lower worm gear clamp on intake hump hose.
6. Remove hump hose.



### REMOVE EXHAUST TIP:

1. Remove the four bolts and washers securing the exhaust tip and retain.
2. Remove the exhaust tip.



### REPLACEMENT PARTS:

Stock code	Description	Quantity
9005	9005 PRECLEANER	1
AD0063	EXHAUST SCAVENGER	1
91200	CLAMP WORMGEAR 2.00 IN	2
91300	CLAMP WORMGEAR 3.00 IN	2
91675W	CLAMP WORMGEAR 6.75 IN	2
FH20-001	2 IN FLEX HOSE	1 FT
KT0009	DVC KIT	1
6H5	6 IN TO 5 IN HUMP HOSE	1
AD0062	OPTIMAX BRACKET	1
AD0066	BRACKET SIDE COVER	2
HEATSHD-001	THERMO SLEEVE	1 FT
50012	EXTENSION PIPE	1
65080	EXPANSION ADAPTER	1
9005SC	LANDFILL SCREEN	1
OA09007	CHECK VALVE	1
S200X250	2 IN STRAIGHT SLEEVE	1
91525	T-BOLT CLAMP	1
91800	T-BOLT CLAMP	1

### ALSO INCLUDED IN THE KIT:

Description	Quantity
5" T-BOLT CLAMP	1
M10 WASHER	8
BOLT M10 x 1.5 x 25	8
M10 LOCK WASHER	8

Installation Time: 1 to 2 hours



9505LF-001 OPTIMAX  
DUAL-STAGE PRECLEANER



AD0063 EXHAUST  
SCAVENGER



AD0062 - OPTIMAX BRACKET



6H5 - HUMP HOSE



AD0066 - BRACKET  
SIDE COVER 1

# OPTIMAX® Dual-Stage Precleaner Installation Kit for Komatsu WA380-7 Wheel Loader

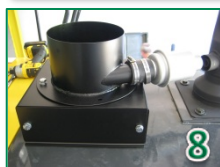
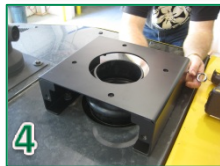
## EXHAUST SCAVENGER INSTALLATION:

1. Install AD0063 exhaust scavenger over muffler with hardware retained from exhaust tip removal. **Note:** Orient the exhaust scavenger to vent exhaust gases towards rear of machine.



## OPTIMAX DUAL-STAGE INSTALLATION:

1. Place a 91675W clamp over 6-inch end of 6H5 hump hose. Leave loose.
2. Install 6H5 assembly on filter housing 6-inch inlet.
3. Place a 91675W clamp over 5-inch end of 6H5 hump hose. Leave loose.
4. Install AD0062 bracket with hardware retained from intake tube removal.
5. Install OPTIMAX can 5-inch outlet into 6H5 hump hose.
6. Install S200x250 sleeve on OPTIMAX can outlet. Secure with one 91300 clamp.
7. Place second 91300 clamp on S200x250, leave loose.
8. Install OA09007 check valve into S200x250 sleeve in the proper orientation. Secure with 91300 clamp. **Note:** The top and air flow direction is indicated on the check valve body. Air flow will travel from the OPTIMAX ejection port to the exhaust scavenger port.
9. Rotate OPTIMAX ejection port towards exhaust scavenger. Align OPTIMAX can bolt pattern to match AD0062 bracket pattern.
10. Determine hose length required to connect the exhaust scavenger port and the check valve outlet.
11. Cut the 2 inch flex hose and thermo sleeve supplied to the appropriate length. **Note:** Thermo sleeve should be cut approx. 2 inches longer so ends can be tucked inside sleeve.



16. Insert 2-inch flex hose into thermo sleeve.
17. Install 2-inch flex hose with thermo sleeve on exhaust scavenger port. Secure with one 91200 clamp.
18. Place a second 91200 clamp on 2-inch flex hose and leave loose.
19. Connect check valve and 2-inch flex hose. Secure with 91200 clamp.
20. Secure OPTICAN base to AD0062 bracket with four M10 bolts, washers, and lock washers.
21. Secure 6H5 hump hose to OPTICAN and air filter inlet with installed 91675W clamps.
22. Install AD0066 side covers on AD0062 bracket with two M10 bolts, washers, and lock washers each. **Note:** Lip should be placed towards the hood and out.
23. Install upper precleaner assembly on OPTICAN.
24. Align precleaner ejection slot towards rear of machine. Secure assembly with installed clamps.



**OPTIMAX® Dual-Stage Precleaner Installation is complete for the WA380-7 Wheel Loader.**

**Please replace the primary and safety filters before operation.**



**Technical Support**  
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