

Series 9000[®] Air Precleaner Installation Kit

for Caterpillar 777F Off-Highway Trucks

Sy-Klone part number: IN0016



Purpose:

Air filter life is directly related to the amount of debris ingested through an engines air intake. Installing a Sy-Klone Series 9000 Air Precleaner as the first stage of an air intake system prevents the majority of heavier-than-air particles from entering the system. This results in longer air filter life, more efficient engine performance and decreased maintenance expenses. 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.

NOTE:

The Sy-Klone Precleaner should always be installed with the machine turned off.

PRECLEANER INSTALLATION:

1. Shut machine down and turn off master power switch.
2. Remove the rain caps from both engine filter housings.



Replaceable Parts:

Stock code	Description
9003	9003 PRECLEANER
KT0008	UNIVERSAL MOUNTING KIT
KT0009	VACUATOR CAP KIT
80007	8-IN PIPE BY 7-IN EXTENSION
91800	8-IN T-BOLT CLAMP
91200	2-IN WORM GEAR CLAMP



KT0008

KT0009

80007
Extension Pipe

8-Inch Precleaner (2)

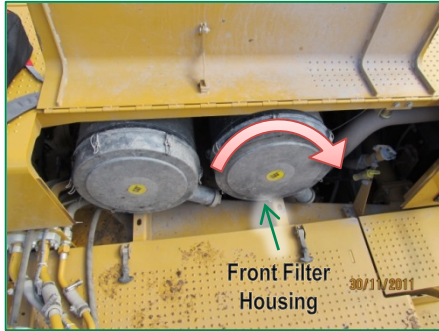
Technical Support

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PRECLEANER INSTALLATION (cont):

- Loosen the clamps securing the front filter housing (identified below) and housing outlet. Rotate the housing clockwise.
- Rotate the housing until the inlet is facing the front of the machine at a horizontal position. Tighten all clamps to the manufacturer's specifications. **Note:** Remove the filter cover to allow housing rotation.



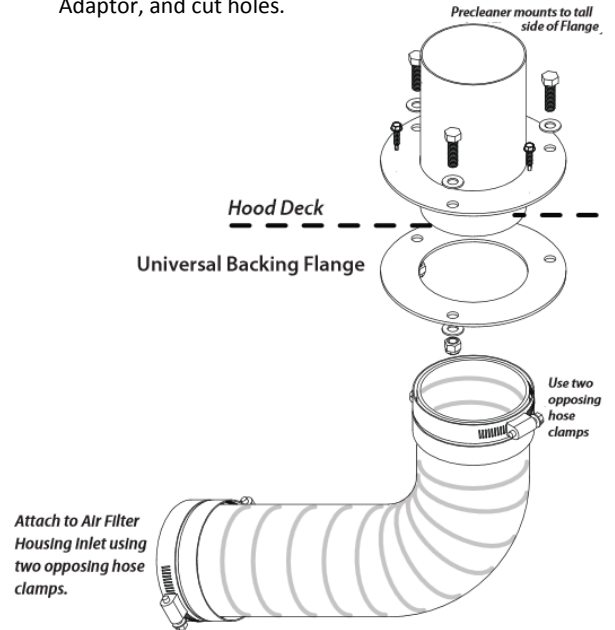
- Remove factory vacuator valves. Install appropriate size vacuator cap and secure with cable tie.



- Locate the precleaner above the hood and in a position that does not affect the visibility of the right side mirror. Mark the position of the precleaner on the deck plate.



- Use the Universal Backing Flange as a template, mark the mounting locations for the Universal Flange Adaptor, and cut holes.



- Mount the Universal Flange Adaptor using the Universal Backing Flange and fasteners provide in the kit.
- Measure and cut the 8-inch hose.
- Mount hose to the Universal Flange adaptor with two opposing hose clamps.
- Mount hose to air filter housing inlet with two opposing hose clamps.
- Check hose for possible wear point and adjust if necessary.
- Mount the precleaner to the Universal Flange Adaptor with supplied t-bolt clamps. **Note:** Point ejection port towards rear of machine.
- Install the 7-inch extension pipe on the rear filter housing and secure with t-bolt clamps.
- Mount the precleaner to the extension pipe with supplied t-bolt clamps. **Note:** Point ejection port towards rear of machine.