

Series 9000[®] Precleaner Adaptation Kit for Donaldson SSG & SRG Filter Housings

Sy-Klone part numbers: IN0077

One kit is required per filter housing.



(Komatsu 830E – Requires 2 Kits)

Purpose:

Air filter life is directly related to the amount of debris ingested through an engine's 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. 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.

Replaceable Parts:

Stock code	Description	Quantity
AD0107	SSG ADAPTER PLATES	1
AD0108	SSG ADAPTER PLENUM	2
AD0109	SSG PRECLEANER PLATE	2
AD0110	SSG ADAPTER CENTER PLATE	1
90L80	8-INCH 90° RUBBER ELBOW	2

Also included in kit:

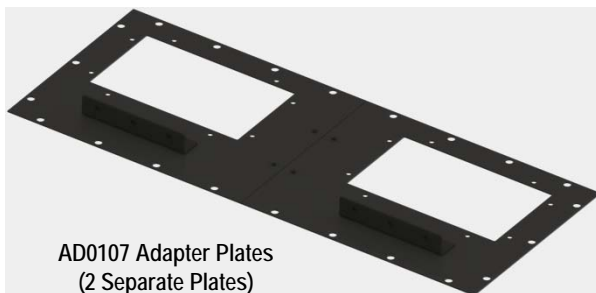
Description	Quantity
RTV SILICONE TUBE	4
M10 X 1.5 X 25 BOLT	10
M10 WASHER	10
M10 LOCK WASHER	10
M8 X 1.25 X 20 BOLT	16
M8 WASHER	32
M8 X 1.25 LOCK NUT	16
3.88 INCH T-BOLT CLAMP	4
4.00 INCH T-BOLT CLAMP	4

**REQUIRES TWO 8-INCH SY-KLONE
PRECLEANERS SOLD SEPARATELY.**

**Purchase according to airflow requirements
per filter housing:**

9003 (2) – 1600-2300 CFM

9004 (2) – 2300-2800 CFM



AD0107 Adapter Plates
(2 Separate Plates)



AD0109 Precleaner
Plate (2)



90L80 Elbow (2)



AD0110 Center
Plate



AD0108 Plenum (2)

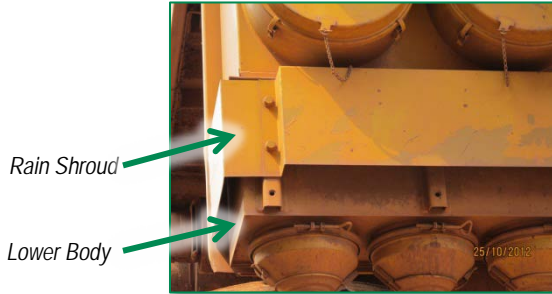


8-Inch Precleaner (2)
(Sold Separately)

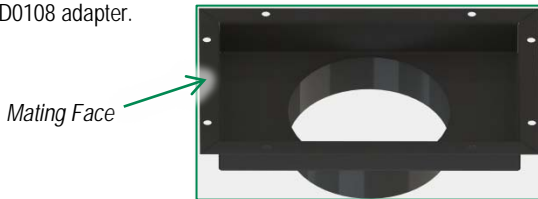
Series 9000 Precleaner Installation Kit for Donaldson SSG & SRG Filter Housings

PRECLEANER INSTALLATION:

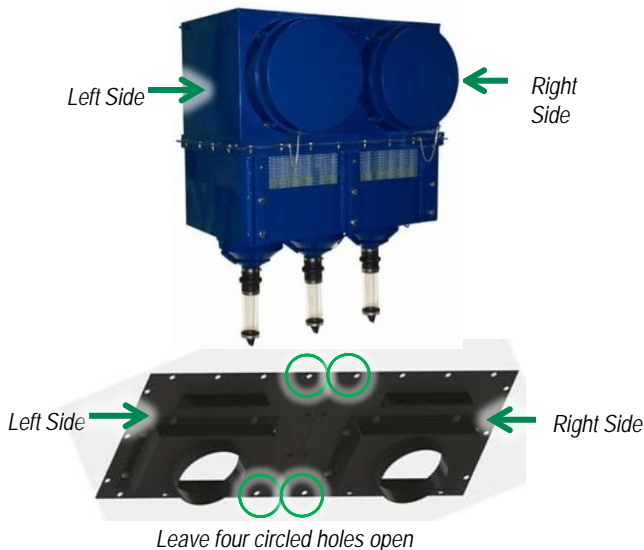
1. Shut machine down and turn off master power switch.
2. Remove rain shroud from filter housing
3. Remove lower filter housing body and retain mounting hardware.



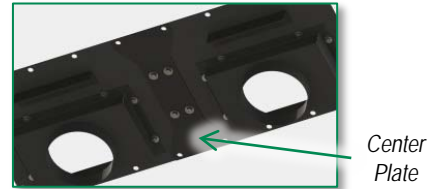
4. Remove any remaining body gasket strips from upper body and clean surface.
5. Apply a bead of RTV sealant to the mating face (bottom) of the AD0108 adapter.



6. Secure an AD0108 plenum to each AD0107 adapter plate with M8 bolts (16), M8 washers (32), and M8 lock nuts (16). **Note:** The plenum mounts to the same side as the angled bracket on plates.
7. Apply a bead of RTV sealant to the mating face of the upper body.
8. Secure AD0107 adapter plates with hardware retained from step 3. Leave the 4 inner holes marked below open. **Note:** The plenum boxes should be outside the filter housing and towards the rear. The angled plates should be towards the front or filter cap side of filter housing.



9. Apply approximately a ¼ inch bead of RTV sealant to the seam between the two AD0107 plates.
10. Secure AD0110 center plate with remaining body hardware and M10 bolts (4), M10 washers (4), M10 lock washers (4).



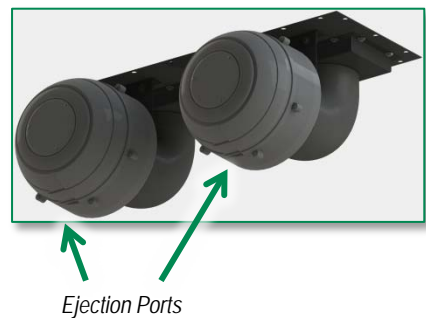
11. Place 91388/91400 clamp assemblies on each end of 90L80 elbow. Install 90L80 elbows as shown below. Leave clamps loose.



12. Install AD0109 precleaner plates (2). Insert non-welded side of adapter pipe into 90L80 elbow. Secure plates to AD0107 plates using M10 bolts (6), M10 washers (6), and M10 lock washers (6). Tighten 91388/91400 clamp assemblies.



13. Install 8-inch precleaners and secure with 91388 clamp assemblies. Orient precleaner ejection ports to lowest point.



Technical Support
www.sy-klone.com
support@sy-klone.com
 (904) 448-6563 ext. 1310