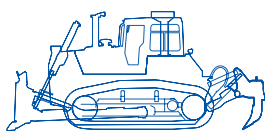




**PARTS**

# **AIR CLEANER ELEMENT**

Radial Seal Type



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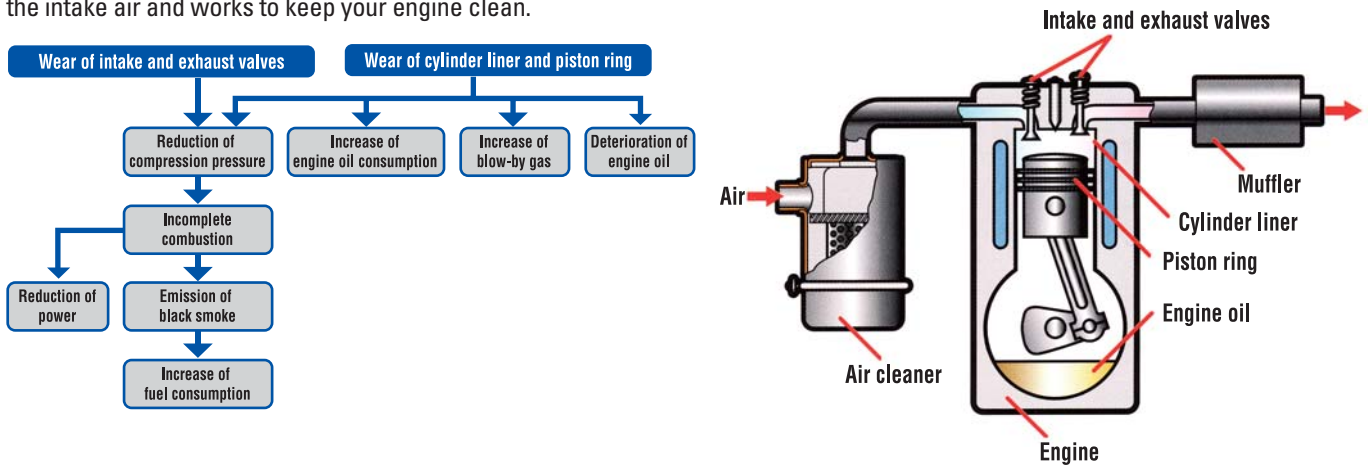
**Maximise your engine reliability by utilising a high-performance air cleaner element, which offers filtration efficiency in a compact size.**



## UNDERSTANDING THE AIR CLEANER ELEMENT

### What is an Air Cleaner Element?

As we know, our atmosphere is filled with floating dust. When it comes to earthmoving equipment, the sliding part of the engine will wear if floating dust is drawn into it - which may shorten your engines life. The Air Cleaner Element removes the floating dust from the intake air and works to keep your engine clean.



## MAINTAINING YOUR AIR CLEANER ELEMENT

To ensure your Air Cleaner Element is properly functioning, you must only clean the outer element of the Air Cleaner, when required. If the inner element is removed or blown with compressed air, the filter material may get damaged and allow dust to enter the engine.

You should limit the number of times you clean the outer element to a maximum of 6 times. Once the maximum is reached, you must then replace the entire element assembly (both outer and inner components).

## EXAMPLE OF MODELS EQUIPPED WITH AIR CLEANERS

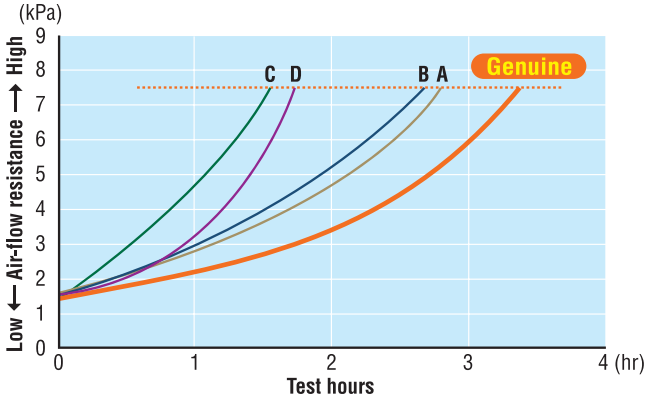
|                              | Machine Models                         | Element Assy Part No. | Element Case Outer Diameter |
|------------------------------|--|-----------------------|-----------------------------|
| <b>Small Sized Machines</b>  | PC78US-6                               | 600-185-1300          | 152.4mm                     |
|                              | PC78US-8                               | 600-185-2200          | 177.8mm                     |
| <b>Medium Sized Machines</b> | PC120-8, PC130-8, WA80-3               | 600-185-2100          | 203.2mm                     |
|                              | D37EX/PX-22, PC138US-8, WA200-6        | 600-185-2500          | 228.6mm                     |
|                              | D39EX/PX-22, PC200-7, GD555-3          | 600-185-3100          | 254.0mm                     |
|                              | D61EX/PX-15, PC200-8, WA320-6          | 600-185-4100          | 279.4mm                     |
|                              | D65EX/PX-16, PC300-7, WA380-6, HD325-7 | 600-185-5100          | 330.2mm                     |
| <b>Large Sized Machines</b>  | D155AX-6, PC400-8, WA800-7, HD785-7    | 600-185-6100          | 381.0mm                     |

For part numbers, please be sure to refer to the Operation and Maintenance manual or to the Parts Book.

# COMPARING OUR AIR ELEMENT OPTION

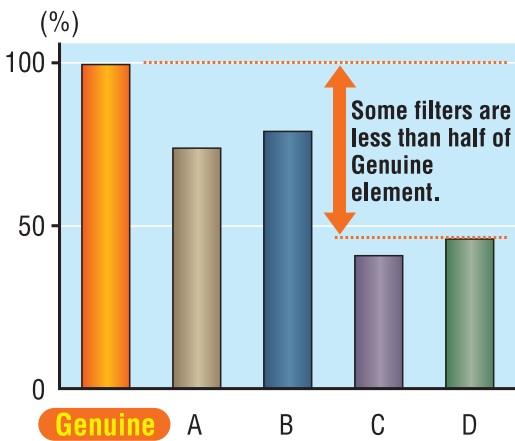
## Comparing Filtration Efficiency

Evenly folded filtration paper allows filter efficiency to improve by capturing more dust and extending cleaning interval. As a result it would contribute to lower maintenance cost. Below is a comparison of filtration efficiency with non-genuine elements for 20T class Excavator.



## Comparing Service Life

Comparison of replacement intervals between genuine elements and non-genuine elements



## Comparing Air Tightness

Our Air Element option is constructed with filter paper and polyurethane rubber that are molded into one piece to ensure it keep its airtightness.

Commonly the plate and filter material of non-genuine element are generally jointed with adhesive that often comes off, which allows dust to easily enter the filter.

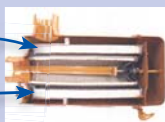
### RADIAL SEAL TYPE

Radial Seal Type elements can be easily installed and removed without the use of any tools.

**Radial Seal Type:** When element is inserted, it centers itself with case partition plate.

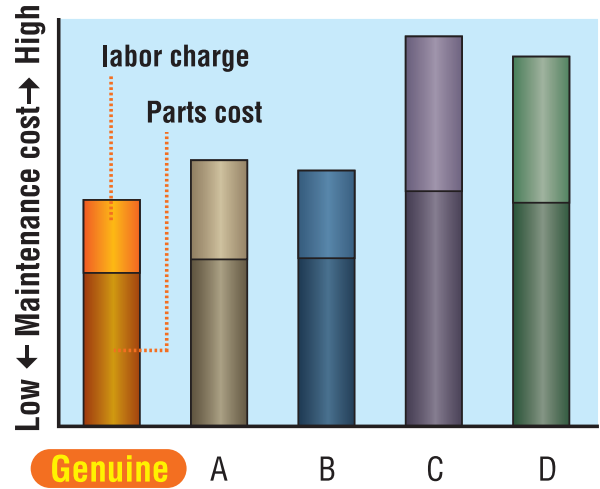


**Axial seal type (Conventional type):** Tools are required to remove and install. In addition, seal must be replaced.



## Comparing Maintenance Cost

Element parts cost and clean and exchange labour charge upto 5000 hours for 20T class Excavator.



## Comparing Cleaning Level Test

Efficient filter paper and polyurethane rubber seals at both ends proves the Air Element with its high sealing performance. This prevents dust from entering the engine, even in particularly a abrasive conditions - thus prolonging the life of your engine.

**Condition: Air flow = 18.8m<sup>3</sup>/min. Dust density = 1.0g/m<sup>3</sup>. Type of dust = ISO Fine)**



**Genuine Air Element**  
No dust enter inside of element.

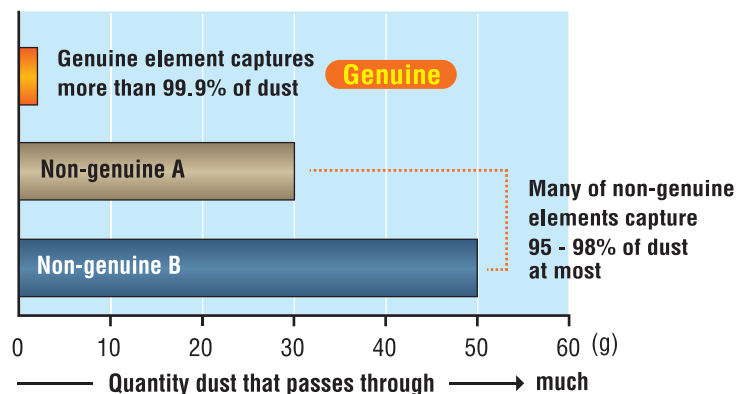


**Non-Genuine Air Element**  
Dust enters inside Air Element, due to faulty joint.

## Comparing Filtration Effectiveness

Radial Seal Type element shows high filtration performance and capture more than 99.9% or more of dust in dusty air.

### Amount of dust that enters engine





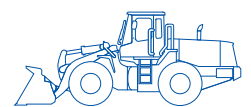
## PARTS

### FOR MORE INFORMATION:

**Australia-** Ph: 1300 566 287 | Web: [www.komatsu.com.au](http://www.komatsu.com.au)

**New Zealand-** Ph: 0800 566 2878 | Web: [www.komatsu.co.nz](http://www.komatsu.co.nz)

**New Caledonia-** Ph: 43 53 06



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