

**ALTA**

# DPF maintenance revolution

**The costs, labor and time spent in performing the DPF maintenance have been greatly reduced!**



## Advantages

**The DPF can be cleaned in the on-board status without disassembly!!**

### ● No need to remove the DPF

Even though still mounted on the vehicle, the DPF can nevertheless be cleaned by simply setting the dedicated nozzle.  
**No need to carry out the disassembly, which is the most labor-consuming operation when cleaning the DPF!**

### ● Simple and fully automatic cleaning

Once the nozzle is set, you only need to press the start button!  
It takes about 20 minutes to finish the setting and reset!  
**The work after that can be handed over to the machine!**

### ● Cleaning agent with outstanding effect

Three special chemical products compositions are used in the cleaning agent.  
In addition, by using a special-purpose nozzle for spraying, **it can exert its superior outstanding cleaning ability!**



**DPF**  
DPF Quick Refresher II  
**Quick Refresher II**

# Current problems related to the DPF...

## [Cleaning necessity]

The DPF uses a filter to capture the particulate matters and black smoke contained in the exhaust gas of a diesel engine.

According to the operation state of vehicle, the PMs and ashes which can't be completely eliminated by forced combustion will deposit day by day.

Therefore, if the deposit is not regularly removed, the DPF may be clogged, which may adversely affect the running performance of the vehicle.

### SOS signal of DPF!



- The fuel consumption increases
- It becomes unable to generate power
- The black smoke or white smoke comes out
- The engine does not inject fuel
- **DPF has a great amount of forced combustion**

In particular, the frequent forced combustion of DPF will cause the problems listed on the right.

The regular maintenance can extend the use of DPF!!

**Use the quick refresher to clean off the carbon and ashes inside the DPF**

## The comfortable use of DPF is realized through 4 processes!!

- ◎ Special cleaning agent to clean off the PMs (particulate matters)
- ◎ Special cleaning agent to decompose and clean deposited ashes
- ◎ Special rinsing fluid to protect the inside of the DPF muffler
- ◎ The injector cleaning to improve the automatic generation and restrain the deposit of ashes & DPF combustion improvement fluid.

STEP 1

STEP 2

STEP 3

Remove the exhaust gas temperature sensor

Set the nozzle on the hole where the sensor is mounted

Press the start button

After that, the automatic cleaning will be performed, and all you need to do is to hand over the work to the machine and wait!

Before ➔ After

※If the complete cleaning operation (decomposition, cleaning) is carried out, almost all the ashes and PMs can be removed by using the special-purpose cleaning agent.

After



## [Problems caused by the forced combustion of DPF]

- Deterioration of fuel consumption
- Increase in defective position
- Increase in the time and number of times of idling due to manual regeneration

If so...  
the DPF needs to be replaced



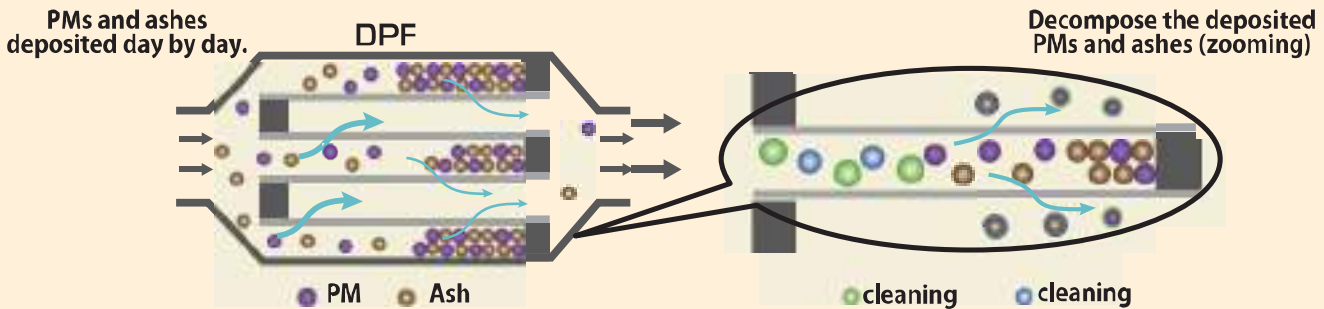
High replacement labor costs  
+  
A few days of stopping using the car

# DPF

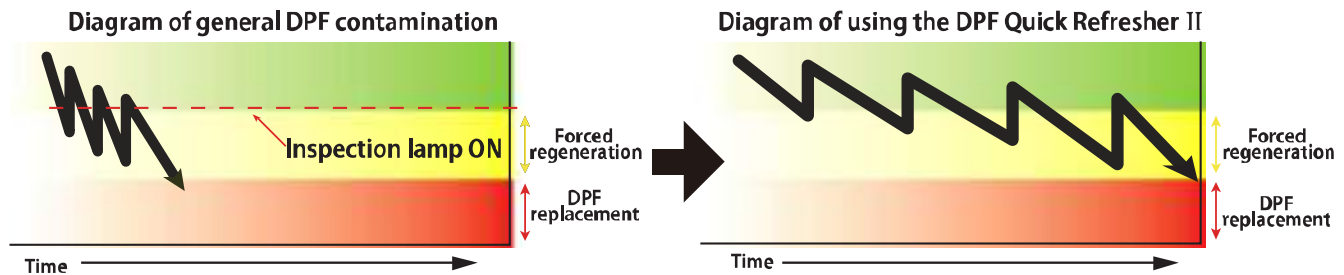
## Quick Refresher II

The Quick Refresher II can solve these problems !!

Powerfully decompose the PMs and ashes which deposited inside the DPF by using 2 special-purpose cleaning agents.

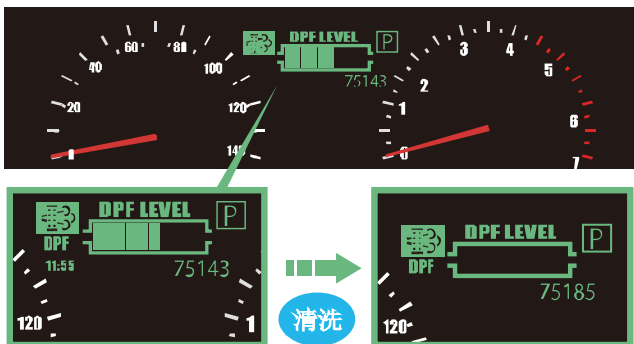


The DPF cleaner is used for direct cleaning and the combustion improver is used to keep the cleanliness and promote the regeneration!



The life of the DPF can be extended through maintenance!

### ● DPF LEVEL change and forced regeneration



**Before cleaning**  
The DPF LEVEL has reached more than a half.

**After cleaning**  
After the cleaning, it also carries out the drying and forced regeneration before ending the operation. In this way, both PMs and ashes are reduced to some extent, and the differential pressure is also greatly reduced.

### ● Forced regeneration conducted through the scanning tool

Forced regeneration

Scanning tool SSS-T1  
Article number: EG3001-0000

The scan tool is required to perform  
The forced regeneration

# Specification



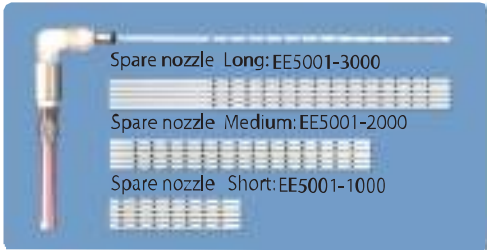
## Operation panel



## Automatic operation and manual operation

- **Automatic operation (normal/powerful)**  
 Select "Normal/Powerful" in the "Selective Switch" and then press the Start/Stop button.  
 A series of cleaning operations will be automatically performed and will automatically stop when finished.  
**The full-automatic model makes the operation more handy and simply.**
- **Manual operation**  
 Select "Manual" in the "Selective Switch".  
 Select the chemical liquid and press the Start/Stop button.  
**Since the specified cleaning agent can be discharged, it can be used for aiding the cleaning and for cleaning the removed DPF.**

## Special cleaning nozzle



Product Name	DPF Quick Refresher II
Product No.	EE5001-0000
Power supply	AC100V (50/60Hz)
Power consumption	Less than 25W
Supplied air pressure	Below 0.97MPa
Drive air pressure	Below 0.4Mpa
Capacity of liquid tank	C1 and C2 tanks 6L R and W tanks 12L
Main body dimension	W450×D450×H880(mm)
Main body weight	About 43kg (empty tank), about 68kg (full tank)
Accessories	<ul style="list-style-type: none"> <li>· Liquid spraying/injecting nozzle (PP made of porous resin)</li> <li>· 2m pipe</li> </ul>

※ When you use this product, you need to connect it to the air compressor.

# Cleaning agent Chemical agent kit for DPF Quick Refresher II EE5000-1000



No.1  
CLEANER\_1



No.2  
CLEANER\_2



No.3  
RINSE



No.4  
コンディショニングキープ

**It's for 10 units under normal cleaning mode !**

※No cleaning agent is included. Please purchase the chemical agent kit (EE5000-2000) for initial introduction.

## Caution

- In order to use this product correctly and safely, please read the "User 's Manual" carefully before use.

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- Please note that the product specification may be changed without notice in advance.
- If you need to order this product or would like to consult about this product, please contact the sales companies or ALTIA branches that are near you.

## Outlets



<http://altia.co.jp/>

