

SWEeper PACK PREPARATION

Scania P / L Series 4x2



DESCRIPTION

This conversion has been realised and perfected on the Scania P series (P14 and P17 cabins), and is now available on the L series (Low Entry) vehicles. The aim of this solution is to make both sides of the frame available for the installation of brushes for a road **sweeper**. The auxiliary groups originally arranged along the chassis are relocated behind the cabin or in the rear overhang, with the use of components designed by System Truck when appropriate.

The modifications have been developed by System Truck engineering in close cooperation with Scania CV AB Sweden, and this is a factory approved solution. The converted vehicle has EWVTA (European Whole Vehicle Type Approval).

These vehicles provide excellent drivability, visibility and accessibility, making them ideal for missions in urban areas. The System Truck solution optimises spaces and makes the construction of the sweeper extremely easy.

TECHNICAL NOTES

Specifications of the **base vehicle** for the sweeper pack preparation:

Model	Scania P14 / P17 / L 4x2		
Engine	Diesel - 7 l (DC07) / 9 l (DC09) / 13 l (DC13)		
Suspensions	Mechanical	<i>or</i>	Pneumatic
Diesel tank	200 l – stainless steel <i>or</i> 200 l – aluminium		200 l – aluminium
Rear overhang (min) (mm) ¹	1300		1385
Other	Vertical exhaust system		

On the **converted vehicle**, the muffler is relocated behind the cabin, above the chassis in a central position, with vertical exhaust pipework modified accordingly.

In the case of vehicles with a short cab (P14 or L), the exhaust can be positioned in a higher or lower position, closer to the chassis. The first variant is compatible with all types of power take-offs (PTOs) provided by the factory, while in the second variant the EK740 PTO cannot be used, and space is limited for the ED120 PTO - a preliminary consultation between the bodybuilder and System Truck is therefore required.

The Ad-Blue tank (on the left) and the air tanks are also moved behind the cabin. The original battery box is replaced with the vertical System Truck box - designed to optimise space - also located behind the cabin.

The diesel tank is located in the rear overhang, between the side members.

The original Scania rear under protection bar (supplied by the customer) is installed, *or* - in the case of vehicles with a short rear overhang - another bar of an approved type already included in the vehicle type approval is fitted.

The final layout of the converted vehicle may vary depending on the wheelbase length and the actual configuration of the base vehicle, and will be determined on a case-by-case basis through evaluation and provision of specific technical drawings by System Truck.

The converted vehicle is homologated with II stage European homologation (**WVTA**) and is accompanied by the certificate of conformity (CoC) for incomplete vehicle².

For any further information and to ask for custom designed solutions to meet your specific needs, please don't hesitate to contact our Commercial Office:
T +39 (0)376 1590804 commerciale@st-truck.com

¹ Minimum rear overhang length must be verified each time depending on the actual vehicle configuration.

² The vehicle must be completed by the bodybuilder in order to be registered.