



<https://truckbodybuilder.scania.com>

December 16, 2024

Below you will find the latest information that is important to know when bodybuilding on a Scania vehicle.

For Scania contact in bodybuilding issues, see:

<https://bodybuilder.scania.com/trucks/en/help/market-contacts.html>

NEW IN SCANIA HYDRAULIC PUMPS

To align with changes in the new truck drivetrain, a new range of Compact Versatile Pumps (CVP) has been developed. These pumps feature a compact design, making installation easier while reducing the bending moment on the PTO.

With this introduction, the current gear pumps (FPC4802A), including the 35 cm³ (FPC4802F), 60 cm³ (FPC4803B), 80 cm³ (FPC4803C), and 115 cm³ (FPC4803E) displacement models, will be replaced by the new 65 cm³ (FPC4803J), 85 cm³ (FPC4803H), 115 cm³ (FPC4803E), and 125 cm³ (FPC4803K) displacement. These new models allow for a working pressure of up to 250 bar, but also reduce the bending moment due to their lower weight. The 35 cm³ gear pump will no longer be available.

The piston pump portfolio remains unchanged, and further information on these products can be found in the relevant bodybuilder manual for hydraulic equipment. Additionally, it is important to note that the new gear pumps have a maximum oil flow limit of 220 l/min. The engine speed limitation shall be adjusted in SWS for bodybuilders to ensure compliance with this flow restriction. With the introduction of these new gear pumps, the factory-set engine speed limits for complete wet kit installations have also been updated for the 85 cm³ and 115 cm³ displacement models to match the maximum allowed flow rate.


Bodybuilder manuals will be updated in upcoming weeks

Link to the manual: [Power take-offs and hydraulics / Hydraulic equipment](#)

Type of operation	Pump Displacement (cm ³)			
	35	60	80	115
Continuous operation pressure (bar)	255	230	205	230
Periodic operation pressure (bar)	275	250	225	250
Maximum speed at periodic pressure (rpm)	2,500	2,500	2,500	2,000
Pressure port BSP threaded (inch)	3/4	1	1	1 1/4

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Type of operation	Pump Displacement (cm ³)			
	65	85	115	125
Continuous operation pressure (bar)	230	230	230	230
Periodic operation pressure (bar)	250	250	250	250
Maximum speed at periodic pressure (rpm)	2,500	2,500	2,000	2,000
Pressure port BSP threaded (inch)	1 1/4	1 1/4	1 1/4	1 1/4



ADDING EXPANSION UNITS IN SESAMM7 CHASSIS

▼ Bodybuilder		
Invoice part number	Description	ID
Free of charge	BICT Customer logic	3198057 (A)
Free of charge	BICT Customer logic & expansion units	3275653 (B)

To avoid unnecessary fault codes, it is important NOT to add expansion units in SOPS file for chassis with electric system generation 7 (SESAMM7 – FPC10149C) unless they are physically connected.

If no expansion units are installed, select "BICT Customer Logic" (option A in above picture) in SOPS file.

If one or more expansion units are installed for the same chassis, select the "BICT Customer Logic & Expansion Units" (B) option. Incorrect configuration may result in fault codes that disrupt vehicle operation and diagnostics. Ensure the correct option is chosen during the programming process.

For further information, please contact your local Scania dealer.



EXTERNAL CAMERA ACTIVATION SIGNAL

External camera activation from the bodywork communication interface (BCI) is introduced, it allows activation of all camera ports via a BICT-logic or External CAN interface for bodybuilders.

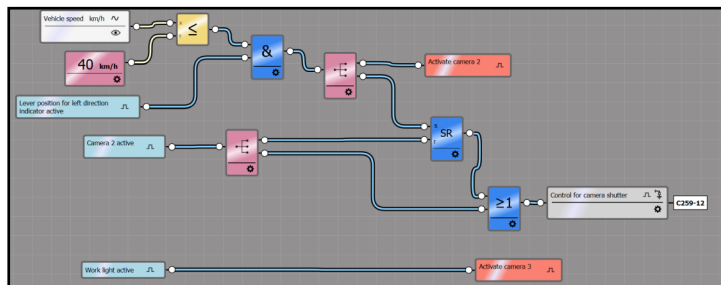
This new feature requires the vehicle to be specified with the BCI, FPC5837A.

Activation and Information Messages In External CAN:

GPM12 (CAN ID: 0x18FFF6FE)	GPM7 (CAN ID: 0x18FFEBE6)
Camera_1_Request	Camera_1_Status
Camera_2_Request	Camera_2_Status
Camera_3_Request	Camera_3_Status

Activation and Information Signal via BCI:

Activate camera 1	Camera 1 active
Activate camera 2	Camera 2 active
Activate camera 3	Camera 3 active



The BICT version shall be updated to 2.63.2 or newer to be able to see this signal. Additionally, the BCI3, COO11 and DDU software must be updated to the latest released version.

Link to the manual: [Electrical systems / Function descriptions with connection instructions / Camera / Camera interface in Scania's digital driver environment](#)

SPLIT SHAFT PTO ACTIVATION WITH ALLISON AUTOMATIC GEARBOX

Chassis with automatic Allison gearboxes are fitted with an Allison software package (Vocational Package). Different software packages are used depending on the application and market. Depending on which software package is used, the positions in harness-to-harness connector C449 have different functions. It's important to note that Allison software packages (FPC4922) cannot be ordered separately during the vehicle ordering process. Instead, they are linked to the Automatic Gearbox Control Unit (FPC2365).

To enable direct gear position (4th gear) activation simultaneously with an activated split shaft power take-off, the vehicle must be specified with:

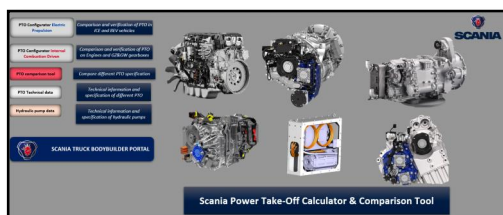
- Software Package 135 (FPC4922M): Pump Mode Program (Available as Special Order), Gearbox TCM (Transmission Control Module) flashed with Vocational Package 135

When ordering a vehicle, ensure that the correct software package is specified. Aftermarket conversions to add this functionality are challenging specially with Electric System Generation 7 (SESAMM7 – FPC10149C) as the TCM must be programmed at the factory with the updated vocational package.

For more information or assistance contact local Scania dealer.

Link to the manual: [Electrical systems / Function descriptions with connection instructions / Power take-off / Power take-off activation](#)

PTO CALCULATOR AND COMPARISON TOOLS IS UPDATED



The PTO Calculator and Comparison Tool has been updated to include EC PTO for EM C1-2 and EM C1-4 electric drivelines, with dedicated pages for internal combustion engines and battery-electric chassis. The PTO Comparison Tool has also been revised to align with latest updates.

Link to the page: [Tools and services / PTO calculator](#)