Newsletter from Scania Bodybuilding Centre

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

IT IS TIME FOR A FACELIFT

The bodybuilder portal that contains the instructions and information needed for bodybuilding on a Scania truck is about to be updated. The information is restructured as well as divided and grouped in an more intuitive way to make it easier to find the information needed for bodybuilding. Some new features will be included which facilitate the search and simplify your work.

To be continued……..
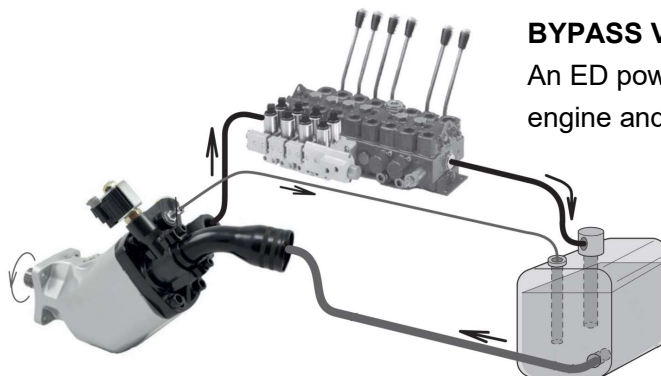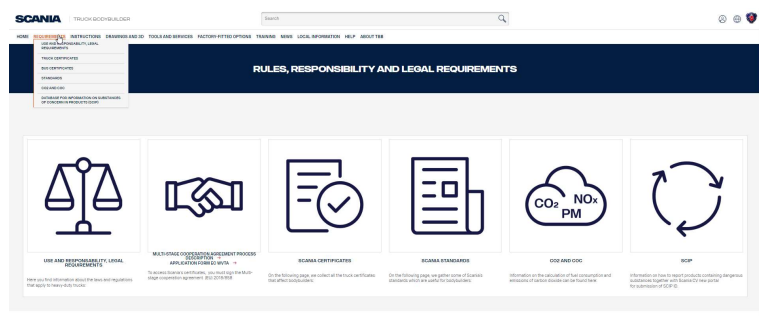
BYPASS VALVE KIT FOR ED POWER TAKE OFF

An ED power take-off is driven mechanically by the engine and is always running when the engine is running. There are different methods for connecting and disconnecting an ED power take-off.

Using a solenoid valve or an actuator that controls e.g. a hydraulic oil flow to the function that the power take-off is intended to control is one of the most common way for connecting and disconnecting an ED power take-off.

The bypass-valve is designed to open the flow to pressure connection when the PTO switch is activated. When the PTO switch is de-activated the valve is in by-pass mode meaning it circulates a small amount of oil to the vehicle's hydraulic equipment to prevent heat build-up in the pump.

The Scania bypass valve kit can be used together with a piston hydraulic pump in either an 80 or 100 cm3 displacement. The Scania part number for the complete bypass kit is 1928544.

See document for more information: https://til.scania.com/d/bwm/22:10-720?lang=en-GB
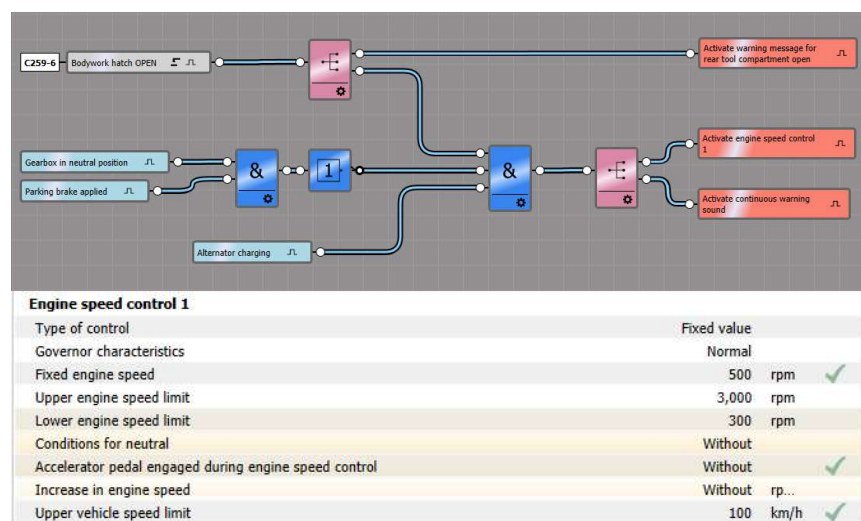
SCANIA

FUNCTION FOR PREVENTING DRIVING OFF WITH THE VEHICLE

Scania's Bodywork Communication Interface (BCI) does not provide bodybuilders with a bodywork function for preventing driving off with the vehicle. Such function might be needed in case of e.g. a bodywork hatch has been left open or crane extended. The BCI Engine Speed Control function can be used as a solution for such demands.

Below is presented an example of a solution where driving off with the vehicle is prevented if a hatch in the bodywork has been left open. A digital input signal from the hatch's feedback switch activates the Engine Speed Control -function with fixed idle speed. In addition the accelerator pedal will be disengaged with a SDP3 parameter setting so that the clutch will not close even if a gear would be engaged and accelerator pedal depressed.

The logic is completed with an open hatch warning message in the instrument cluster (ICL) and a continuous warning sound. These functions for alerting the driver will activate based on additional input from gearbox in neutral and parking brake applied signals indicating the drivers intent to drive off. Please contact your local Scania dealer for more information about the solution.

Engine speed control 1			
Type of control	Fixed value		
Governor characteristics	Normal		
Fixed engine speed	500	rpm	✓
Upper engine speed limit	3,000	rpm	
Lower engine speed limit	300	rpm	
Conditions for neutral	Without		
Accelerator pedal engaged during engine speed control	Without		✓
Increase in engine speed	Without	rp...	
Upper vehicle speed limit	100	km/h	✓

See document for more information: https://til.scania.com/d/bwm/22:10-602?lang=en-GB

NEW HEAVY-DUTY GEARBOX ALTERNATIVES

Scania has recently introduced the G25CH and G33CH gearboxes. These gearboxes are specifically designed for heavy applications like mining and heavy-haulage and excel in handling high torque on the prop shaft, even in rough conditions. They have the suffix "H" (for Heavy) in their designations. G25CH and G33CH share all the virtues and properties of the earlier introduced gearboxes G25CM and G33CM. They also offer the same power take-offs' program and connection positions, ensuring seamless integration and convenience for our users and bodybuilders.

See document for more information:

https://til.scania.com/d/bwm/22:10-700?lang=en-GB

https://til.scania.com/d/bwm/22:10-829?lang=en-GB