



<https://truckbodybuilder.scania.com> (log in for access)

December 14, 2023

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>

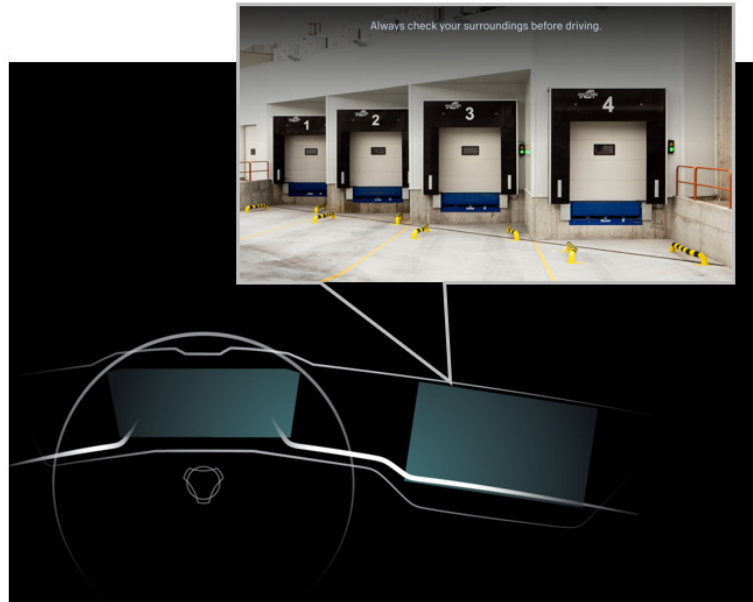
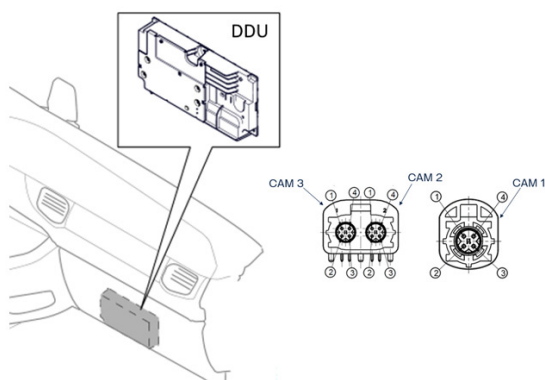
## CAMERA INTERFACE IN THE SCANIA DIGITAL DRIVER ENVIRONMENT

With the introduction of the Scania digital driver environment (Smart Dash), the camera interface is changed. The camera view will be presented via the new Central Information Display with the possibility for a shared camera view from 3 different camera configurations.

The connection interface for the cameras will be located in the Digital Driver Interaction Control Unit (DDU) at the cabin passenger area. The 3 analogue camera ports are provided with a 4-pin HSD (High Speed Data) connector for each camera and complemented with a +24V output signal to supply camera accessories, like camera visors when respective camera port is activated.

Vehicles affected by the implementation of General Safety Regulation 2024, will always have one of the analogue camera ports occupied by the factory installed, UNECE R158 Reverse Information System (REIS). The R158 regulation does not cover trailers, hence no limitations are set on the trailer

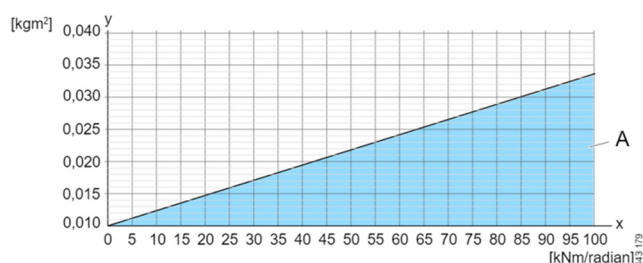
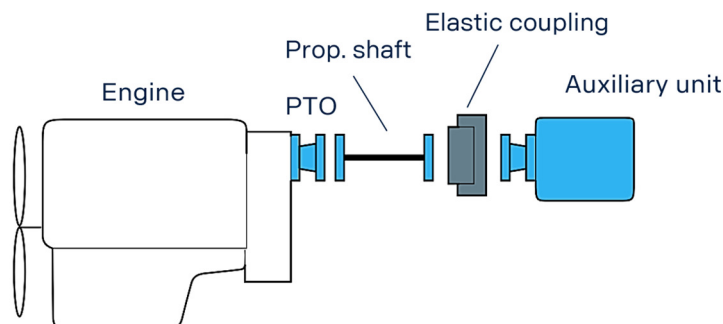
rear view camera installation or hardware. When a trailer is connected, the camera view can be automatically switched from truck to trailer camera view. This have to be setup using an external switching or prioritization interface. AHD signal format must always be used for the reverse detection camera input. If the trailer camera does not support AHD, a signal conversion is required to convert the transmitted signal from lower resolution video signal formats to AHD.





## REQUIREMENTS WHEN INSTALLING PROPELLER SHAFT TO THE ED PTO

When a hydraulic pump, propeller shaft and other equipment is fitted to the PTO, there is always a tendency in the equipment to resist the rotation. Moment of inertia is expressing tendency of the equipment to resist angular acceleration, which is the sum of the moment of inertia of the all equipment connected to the PTO.



A	Permissible values
X	Propeller shaft rigidity
Y	The sum of the moment of inertia of the auxiliary unit and half the moment of inertia of the propeller shaft

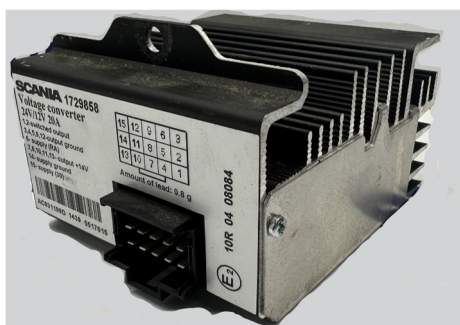
When values fall outside the permissible limit values for the propeller shaft there is a need to install an elastic coupling or similar equipment that requires a rotating force before connecting to the auxiliary equipment.

Scania does not provide an elastic coupling from the factory due to the numerous possible combinations of propeller shafts and moment of inertia.

It is essential for bodybuilders to collaborate with experts of elastic couplings who must

conduct calculations by using the values outlined in the bodybuilder instructions for "Propeller Shaft for Power Take-Off".

## 12V SUPPLY WITH THE SCANIA DIGITAL DRIVER ENVIRONMENT



With the introduction of Scania digital driver environment a new electrical system generation is introduced. This will not cause major changes in the electrical supply interface for bodybuilders except for the discontinuation of the 12 V supply available for external consumers.

There is a converter available as spare part, with part number 1729858, to be used by the bodybuilder when there is a need for 12V power supply with up to 20A output.

Note; Never connect directly to one of the batteries to get 12V supply hence this will cause imbalance and eventually early

failures on batteries. For more information, please contact your local market bodybuilder support.