

Ticket #908

Ticket Status: Closed

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Field of Study: Electrical Engineering

Subject: **0-Not Registered**

04/19/2015 2:25 pm Philip Piper

Hi, this is Philip Piper from Bulldogs Racing,

We are having an issue figuring out if a planetary gearbox needs to be fully enclosed within the frame of the car. EV4.2.1 suggests that all tractive system components must be enclosed, and EV1.1.3 says that only components electrically connected to the motor are considered part of the tractive system (hence, not the planetary gearbox). Is there another rule that we are missing stating that other drive train mechanical components need to be enclosed within the spaceframe?

Best,

Philip Piper

04/19/2015 2:43 pm

Philip,

EV1.1.3 defines the Tractive System as "every part that is ELECTRICALLY connected to the motor(s) or accumulators", i.e. the high voltage stuff. Therefore, if your planetary gearbox has no high voltage parts, it does not have to meet EV4.2.1.

Michael Royce,
FHRC.

Please Wait!

Please wait... it will take a second!