

WORK SAFETY INSTRUCTIONS RALLYCROSS TEAM INFORMATION

PURPOSE

This work instruction applies to **RALLYCROSS TEAMS** in the garage, paddock or quarantine zone for safely handling of an electric vehicle during the event. The safety procedures for electrical measures and in case of an emergency will be defined by the teams themselves. Interactions with the race car can cause electrical injuries:

electric shock, electric arc, electric discharge as well as chemical risks and the risk of fire

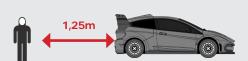
GENERAL INFORMATION



Accident, specific incident or malfunction on the Car.



don't touch the vehicle if situation is unclear



keep safety distance of 1,25m if situation is unclear



contact race control if situation is unclear

HAZARDS



electrical hazards: 800 V high-voltage



risk of fire at the car and surrounding area



risk of battery thermal runaway



chemical risk of hazardous gases



chemical risk of corrosive liquids

PERSONAL PROTECTIVE EQUIPMENT





Protective measures for PPE are described by the teams themselves

EMERGENCY EQUIPMENT - FIRE



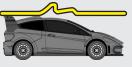
internal fire extinguisher



ABC-fire extinguisher CO2-fire extinguisher

SAFETY EQUIPMENT





Insulated mat



two pole voltage tester

EMERGENCY EQUIPMENT - CHEMICALS



Nitril gloves



protective goggles

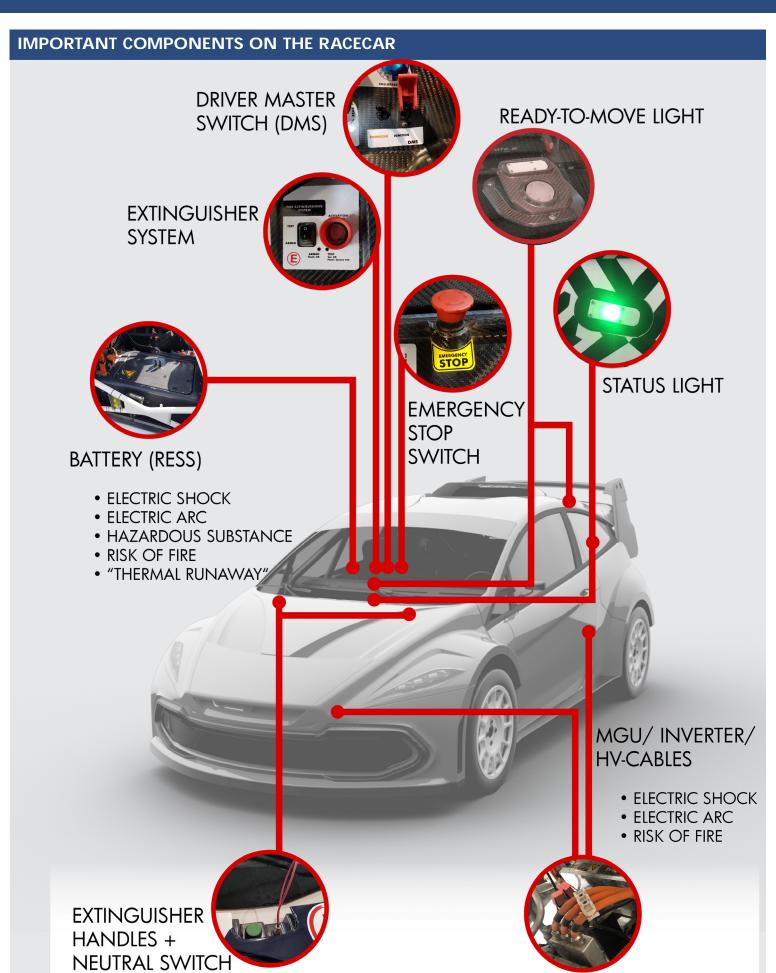


hexachlorine eye-washsolution for HF-neutralisation



chemical binder

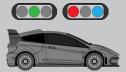






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TEAM ACTIVITIES



Evaluating the RESS indicator status lights



Handover of the vehicle in the quaratine zone



Check of the vehicle before and after the race, after malfunction or accident



Fire extinguishing operations

GREEN LIGHT STATUS



RESS Indicator Status Light is green PLUS race control gives the green light

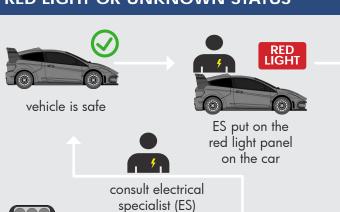


transport the vehicle off the racetrack to the team box

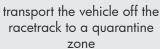


Handover of the vehicle in the team box

RED LIGHT OR UNKNOWN STATUS









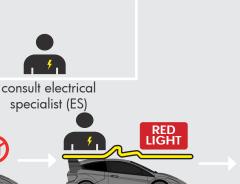
Handover of the vehicle in the quarantine zone





Indicator Status Light is NOT green

vehicle is unsafe, team reset procedure, if green status return to team box, still red status continue process



vehicle is unsafe ES cover the car with insulated mat and put on the red light panel



transport the vehicle off the racetrack to a quarantine area



for live line work



report to race control and team box

electrical specialist electrical hazards: 800 V high-voltage car



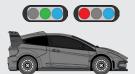
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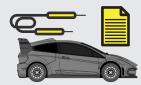
RALLYCROSS VEHICLE CHECK



Rallycross vehicle before and after the race, after malfunction or after accident



observation of the vehicle condition



Rallycross vehicle measurements with team checklist, available for the chief electrical specialist

BEHAVIOUR IN THE EVENT OF FIRE - NOT HV-BATTERY (RESS)



fire on or near the racecar in the garage



consult race control



team procedure for emergency operation, available for the chief electrical specialist

BEHAVIOUR IN THE EVENT OF BATTERY THERMAL RUNAWAY, SMOKE OR FIRE - BATTERY (RESS)





risk of battery thermal runaway chemical risk of hazardous gases



consult race control



team procedure for emergency operation, available for the chief electrical specialist

PRECAUTION IN CASE OF CHEMICAL LEAKAGE



chemical liquids on or near the car



chemical risk of corrosive liquids



team procedure for chemical leakage

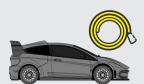
FIA RECOMMENDATIONS



As long as possible: Keep wheels mounted on the vehicle, Keep power supply on the car (ref. to art. 18.1 sporting reg.)



Put a green light board on the vehicle (ref to art.18.1 of sporting reg.)





Keep 4 wheels mounted on the vehicle overnight with a tow rope on the front of the vehicle, Do not lock the garage