

# Moving a Hybrid or BEV Manually on the Ground or with a Forklift

---

## Objective

Discuss exercising caution when moving an EV on the ground or by using a forklift. There are substantial differences in the designs of Electric and Hybrid Vehicles that may alter how you handle them.

## Moving EVs Manually on the Ground

- Keep keys away from the vehicle.
- Always check the vehicle for any signs of damage to high voltage cabling or electrical components before any attempt to the vehicle
- When a BEV, PHEV or Hybrid vehicle is pushed or rolled along the ground, an electrical charge can be produced by the electric drive motors. Always limit the distance the vehicle is moved along the ground to a minimum, being careful not to contact any HV cables and connections.

## Transporting an EV with a Forklift

- Place the forks perpendicular to the side of the vehicle when lifting on the pinch seam of the vehicle. Do not contact the HV cables or battery case with the forks of the forklift.
- HEVs, PHEVs and BEVs may be heavier than their conventional counter-parts and may have a different centre of gravity because of the weight of the HV battery.
- Damaged HV components and wiring, especially on the underside of the vehicle, can be made worse by dragging the vehicle on the ground or improper lifting procedures.
- Batteries placed on a pallet must be strapped down before transporting with a forklift.
- Pallet must be of a suitable size and in good condition to transport a HV battery.



---

**Only employees that have been trained and certified to work safely with forklifts are permitted to transport EVs.**

---

If a forklift fork should pierce a battery case there is a potential risk of electric shock and fire. Always use caution when placing the forks under a HCV battery.

