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**Extract taken from:** Entry certification > Reference materials > HVSC Memo 59: HV power pack upgrades to meet emissions requirements

## 61 HVSC Memo 59: HV power pack upgrades to meet emissions requirements

### Memo

#### For Heavy Vehicle Specialist Certifiers

**To:** Heavy Vehicle Specialist Certifiers No. 59

**From:** Steve Bullôt

**Date:** 4 May 2009

**Subject:** HV power pack upgrades to meet emissions requirements

Following the introduction of the [Land Transport Rule: Vehicle Exhaust Emissions 2007](#) (33001/2), it has been determined that a heavy vehicle may be repowered to meet the requirements of the Rule.

Any repower will need to meet the following conditions:

- The repower must meet the applicable emission standard.
- The repower and its installation must be to the specifications and instructions of the manufacturer of the powerpack for the application or be an alternative approved by the vehicle manufacturer.
- Powerpack means; the engine, its radiator/cooling pack, induction and exhaust systems, including layout, and any accessories or emissions control equipment, such as add blue, specified by the manufacturer.
- Where final drive or other installation conditions are specified by the manufacturer they must be met and noted in the final certification.
- The repower is to be certified, by a HVS Certifying Engineer with the Chassis (HVEC) category, That it meets all the above requirements. Supporting documentation from the powerpack or vehicle manufacturer must be available.

**Note:** in the situation where an engine or powerpack is replaced by a unit by the same manufacturer, part number, specification and emission standard then it is considered a repair and not a modification and is not affected by the requirements of the Rule.