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## Overview

This standard is about removing and replacing heavy goods and public service vehicle units and components where dismantling and re-assembly of transmission and driveline systems is required, including those which incorporate electric and hybrid driveline systems. It is also about evaluating the performance of replaced units and components. The units and components concerned are those not replaced as part of normal routine vehicle maintenance (servicing) activities.

## Performance criteria

*You must be able to:*

P1 use suitable personal and vehicle protective equipment throughout all removal and replacement activities

P2 support your removal and replacement activities by reviewing:

P2.1 vehicle technical data

P2.2 removal and replacement procedures

P2.3 legal requirements

P3 prepare the vehicle, vehicle systems and work area for safe working procedures

P4 prepare, check and use all the equipment required following manufacturers' instructions

P5 carry out all removal and replacement activities following:

P5.1 manufacturers' instructions

P5.2 your workplace procedures

P5.3 health, safety and environmental requirements

P6 work in a way which minimises the risk of:

P6.1 damage to other vehicle systems, units and components

P6.2 contact with leakage and hazardous substances

P6.3 damage to your working environment

P6.4 injury to self and others

P7 ensure replaced transmission and driveline **units and components** conform to the vehicle operating specification and any legal requirements

P8 promptly record and report any additional faults you notice during the course of your work

P9 use suitable testing methods to evaluate the performance of the reassembled system

P10 ensure the reassembled transmission and driveline system performs to the vehicle operating specification and meets any legal requirements prior to return to the customer

P11 ensure your records are accurate, complete and passed to the relevant person(s) within the agreed timescale in the format required

P12 complete all removal and replacement activities within the agreed timescale

P13 promptly report any anticipated delays in completion to the relevant person(s)

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Remove and replace heavy goods and public service vehicle transmission and driveline units and components



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## Knowledge and understanding

*You need to know and understand:*