

Overview

This NOS is about diagnosing and rectifying faults occurring within vehicle steering, suspension and braking systems.

Diagnose and rectify light vehicle chassis system faults

Performance criteria

You must be able to:

P1 use suitable personal and vehicle protective equipment when using **diagnostic methods** and carrying out rectification activities

P2 support the identification of **faults**, by reviewing vehicle:

P2.1 technical data

P2.2 diagnostic test procedures

P3 prepare the vehicle systems and work area for safe working procedures as appropriate to the vehicle

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

P5 use **diagnostic methods** which are relevant to the symptoms presented

P6 collect diagnostic information in a logical and systematic way relevant to the **diagnostic methods** used

P7 collect sufficient diagnostic information to enable an accurate diagnosis of chassis system **faults**

P8 identify and record any system deviation from manufacturer's tolerances accurately

P9 accurately ensure your assessment of dismantled sub-assemblies, components and units identifies their condition and suitability for repair or replacement

P10 inform the relevant person(s) promptly where repairs are uneconomic or unsatisfactory to perform

P11 carry out all rectification activities following:

P11.1 manufacturers' instructions

P11.2 your workplace procedures

P11.3 health, safety and environmental requirements

P12 work in a way which minimises the risk of:

P12.1 damage to other vehicle systems

P12.2 damage to other components and units

P12.3 contact with leakages

P12.4 contact with hazardous substances

P13 ensure all repaired and replacement components and units conform to the vehicle operating specification and any legal requirements

P14 correctly adjust components and units when necessary to ensure that they operate to meet system requirements

P15 record and report any additional **faults** you notice during the course of work promptly

P16 use testing methods which are suitable for assessing the performance of the system rectified

P17 ensure the chassis system rectified performs to the vehicle operating specification and any legal requirements prior to return to the customer

P18 ensure your records are accurate, complete and passed to the relevant person(s)

Diagnose and rectify light vehicle chassis system faults

within the agreed timescale in the format required

P19 complete all system diagnostic activities within the agreed timescale

P20 report any anticipated delays in completion to the relevant person(s) promptly

IMILV08



Diagnose and rectify light vehicle chassis system faults

Knowledge and understanding

You need to know and understand: