IMIMET06

Strip vehicles to assess the extent and type of damage

Overview

This standard is about performing what is commonly known as an ‘estimate strip’ done to support the work of Vehicle Damage Assessors in order to gain detailed and exact information on the extent and type of damage present within all vehicle systems, units and components and trim fitments. The standard also covers the ability to describe and document damage with reference to manufacturer’s guidance and make recommendations in order to maintain the integrity of the repair.

Performance criteria

You must be able to:

P1. use the appropriate personal protective equipment when carrying out **vehicle stripping** and **examination and testing methods**
P2. protect the vehicle and its contents when carrying out **vehicle stripping** and **examination and testing methods**
P3. carry out a diagnostic scan on the vehicle
P4. record any fault codes and report to an appropriate person
P5. support your **vehicle stripping** and examination and testing activities by referring to:
P5.1. vehicle technical data
P5.2. manufacturer's guidance
P5.3. initial Vehicle Damage Assessor's Report
P5.4. removal and replacement procedures
P5.5. legal requirements
P6. select and use the correct **tools and equipment** for the **vehicle stripping** and examination activities you are going to carry out
P7. ensure the **tools and equipment** you require are calibrated and in a safe working condition
P8. carry out all **vehicle stripping** and examination and testing activities following:
P8.1. recognised research methods
P8.2. manufacturers' instructions
P8.3. your workplace procedures
P8.4. health and safety requirements
P9. work in a way which minimises the risk of:
P9.1. damage to other vehicle systems, units and components
P9.2. damage to the environment
P9.3. leakage
P9.4. contact with hazardous substances
P10. work in a way that is suitable to the nature of the damage to the vehicle
P11. ensure the amount of **vehicle stripping** is suitable to determine the level and extent of damage
P12. store all removed systems, units and components safely in the correct location and to meet any legal requirements
P13. use suitable **examination and testing methods** to evaluate the type and extent

of damage accurately
P14. ensure your examination and testing of the vehicle against specification identifies:
P14.1. the type and extent of damage to systems, units and components
P14.2. differences from the vehicle specification
P14.3. vehicle appearance and condition faults
P14.4. accident related and any non-accident related damage or faults
P14.5. safety critical items
P15. make suitable recommendations for further work that will maintain the integrity of the repair and meets manufacturer's requirements

P16. ensure your records describe damage with reference to manufacturer's specifications for system, unit and component condition
P17. ensure your records are accurate, complete and promptly passed to the relevant person(s) in the format required
P18. complete all **vehicle stripping** and examination and testing activities within the agreed timescale
P19. promptly report any expected delays in completing your work to relevant person(s)

Knowledge and understanding

You need to know and understand:

Legislative and organisational requirements and procedures

K1 the legal requirements relating to vehicles and conducting **vehicle stripping** activities (including road safety and refrigerant handling requirements)

K2 how the vehicle is powered and associated health and safety risks

K3 the health, safety and environmental legislation and workplace procedures relevant to stripping and examining vehicles and personal and vehicle protection

K4 the manufacturer's specification and guidance for assessing and repairing damage to maintain the integrity of repairs

K5 your workplace procedures for

K5.1 recording the results specific to damage and fault examinations

K5.2 the referral of problems

K5.3 reporting of delays to the completion of work

K5.4 completion of general work records

K6 the importance of making accurate records of the results of your examinations and tests and interpreting them correctly

K7 the implications of failing to carry out examination activities correctly

K8 the implications of signing workplace documentation and vehicle records

K9 the health and safety risks associated with vehicle safety systems and the implications for work practices

K10 the legal requirements for the storage of vehicle safety systems

K11 the importance of working to agreed timescales and keeping others informed of progress

K12 the relationship between time, cost and profitability

K13 the importance of reporting anticipated delays to the relevant person(s) promptly

Equipment

K14 how to select, prepare, check and use all the equipment required for **vehicle stripping** and damage assessment activities

Vehicle stripping and the conduct of damage examinations/assessments

K15 how electro-mechanical and electronic components and systems interact with other vehicle systems via multiplexing

K16 how to find, interpret and use sources of information applicable to **vehicle**

stripping activities, including initial Vehicle Damage Assessment reports and information relating to operational tolerances
K17 the importance of using technical information to inform your examination and testing of damaged vehicles
K18 how the type of vehicle damage can affect the **vehicle stripping** process
K19 types of contaminants associated with accident damaged vehicles and the dangers associated with them
K20 the procedures for the systematic stripping of vehicles in order to accurately identify damage to systems, assemblies, units and components

K21 the **examination and testing methods** suitable for use on damaged vehicles and how to carry out the systematic examination and testing of vehicle systems, assemblies, units and components
K22 the types of safety critical items with vehicles
K23 single use mechanical fasteners, why they are used and the dangers of not renewing them
K24 how to differentiate between accident and non-accident related damage
K25 the types of items which should be retained for accident investigation evidence purposes
K26 the types of manufacturer's exchange units and the manufacturer's exchange criteria
K27 how to confirm the correct operation of vehicle systems and vehicle condition
K28 how to compare test and examination results against vehicle specifications, manufacturer's guidance and legal requirements
K29 how to communicate recommendations based upon the results of your examinations and tests
K30 how to work safely avoiding further damage to other vehicle systems, components and units and contact with hazardous substances
K31 how and where to store removed items safely, including handling refrigerants, gases and vehicle safety system pyrotechnic devices.

Scope/range

1. **Tools and equipment** include:
1.1. hand tools
1.2. special purpose tools
1.3. general workshop equipment
1.4. measuring equipment
1.5. air conditioning recovery plant
1.6. refrigerant identifier
1.7. electrical multimeters
1.8. steering geometry equipment for 4 wheel alignment
1.9. electronic and diagnostic testing equipment
2. **Examination and testing methods** are:
2.1. sensory
2.2. functional
2.3. measurement
2.4. use of diagnostic testing equipment
3. **Vehicle stripping** covers:
3.1. any type of mechanical and electro-mechanical systems, units and components
3.2. any type of electrical and electronic systems, units and components
3.3. any type of external and internal trim fitments

Glossary

Additional Information

This section contains examples and explanations of some of the terms used but does not form part of the standard.

Alternative Fuel

This is defined as any type of fuel that may be used to power an internal combustion engine; examples would include LPG, bio ethanol etc.

Contaminants

Examples include: high voltage batteries and electrolyte, plastics, glass, gases, fuel and hydrocarbons

Vehicles

These can be light vehicles or commercial vehicles. In addition, they may be SI, CI, Hybrid, Electric or Alternative fuel vehicles.

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