Describe motor vehicle safe motoring requirements and general locations of systems and components

Level 1
Credits 4

Purpose This theory-based unit standard is for people entering into most automotive service occupations or for anyone who requires a general guide to the mechanics of a motor vehicle. People credited with this unit standard are able to demonstrate knowledge of motor vehicle safe motoring requirements, and identify the layout of the components and systems for a motor vehicle.

Subfield Motor Industry
Domain Motor Industry - Introductory Skills
Status Registered
Status date 27 July 2005
Date version published 25 July 2007
Planned review date 31 December 2009
Entry information Open.
Accreditation Evaluation of documentation by NZQA.

Standard setting body (SSB) NZ Motor Industry Training Organisation (Incorporated)

Accreditation and Moderation Action Plan (AMAP) reference 0014

This AMAP can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.

Special notes

1 Definitions

Light vehicle refers to classes as listed from Land Transport New Zealand website table http://www.landtransport.govt.nz/publications infosheets/infosheet-1-10.html#classes: passenger vehicle MA, MB, MC; omnibus MD, MD1, MD2; and goods vehicle NA.

Heavy vehicle refers to a motor vehicle that is of Class MD3, MD4, ME, NB, NC, TC or TD; or has a gross vehicle mass that exceeds 3500 kg and is not of a class specified in the Table of vehicle classes as listed from Land Transport New Zealand website http://www.landtransport.govt.nz/publications/infosheets/infosheet-1-10.html#classes.
Motor vehicle includes light vehicles, heavy vehicles, and motorcycles.

2 This unit standard can lead on to Unit 229, Identify the general locations and functions of motor vehicle systems and main components, and Unit 249, Carry out automotive industry personal workplace requirements.

3 Legislation and criteria relevant to this unit standard include but are not limited to – Traffic Regulations 1976; New Zealand Road Code (NZ Road Code) information can be obtained from the following website http://www.landtransport.govt.nz/roadcode/.

Elements and performance criteria

Element 1

Demonstrate knowledge of motor vehicle safe motoring requirements.

Performance criteria

1.1 The importance of identifying vehicle details is described in terms of ensuring all relevant details are available for company records and job requirements.

Range make, model, year registered, registration number, vehicle identification number (VIN), odometer or hour meter reading, colour, distinguishing features.

1.2 The purpose of a Warrant of Fitness (WoF) and Certificate of Fitness (CoF) is explained in terms of road worthiness and legislative requirements.

Range ensuring vehicle has a minimum safety standard, complying with traffic regulations.

1.3 Safety related features to check on a vehicle before driving are identified.

Range WoF or CoF expiry date, brakes, steering, wheels and tyres, doors, seat belts, lights, operation of controls, fluid levels, load, exhaust system, mirrors.

1.4 Traffic and transport requirements to drive a vehicle on the road are identified.

Range current and appropriate driver’s licence, vehicle registration, current WoF or CoF, adherence to the NZ Road Code, insurance.

1.5 Safe driving techniques are described in accordance with NZ Road Code criteria.

1.6 The use and value of the owner’s handbook and service schedule are described in terms of accessing vehicle information.

Range operation of vehicle’s controls, information on basic adjustments for driving comfort and safety, maintenance schedule, general specifications.
Element 2

Identify the layout of the components and systems for a motor vehicle.

Range one of – light vehicle, heavy vehicle, motorcycle.

Performance criteria

2.1 The general layouts of motor vehicle systems are identified in accordance with vehicle manufacturer specifications.

Range engine, drive train and transmission, body and chassis, brakes, steering, suspension, electrical and fuel systems.

2.2 Major vehicle components are identified by appearance and their general location on a vehicle in accordance with vehicle manufacturer specifications.

Range engine components; drive train and transmission; body and chassis components; braking, steering, and suspension components; electrical and fuel system components.

Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the NZ Motor Industry Training Organisation (Incorporated) janet.lane@mito.org.nz if you wish to suggest changes to the content of this unit standard.