



STUDENT ASSESSMENT INFORMATION

SRO DRV 001B DRIVE AND RECOVER A FOUR WHEEL DRIVE VEHICLE

This unit deals with the skills and knowledge required to use appropriate range, gear and technique to drive a four wheel drive vehicle through and over different terrain and apply basic vehicle recovery techniques. It relates only to the specialist skills and knowledge for four wheel drive vehicles. Assessment will be made through observation and by answering a number of questions.

Competency Unit Elements:

SRO DRV 001B/01 Identify four wheel drive specific terms, terminology and techniques.

- a. The structural and handling differences between a conventional two wheel drive and a four wheel drive vehicle are identified.
- b. The purpose and use of front wheel hubs is identified and demonstrated.
- c. Factors affecting tyre size, fitment, rating, and pressure are identified.
- d. Recovery hooks and mounting features are correctly identified.
- e. Hazards associated with incorrect use of vehicle features or equipment are identified.

SRO DRV 001B/02 Plan for minimal environmental impact.

- a. Determine human impacts caused by outdoor recreation activities on natural processes and interrelationships and the types of impact likely to occur during four wheel driving and associated activities
- b. Assess if particular settings offer appropriate recreation opportunities by examining the nature of the activities and matching it with the characteristics of the settings
- c. Identify current management strategies implemented by land managers for environmental asset management
- d. Demonstrate compliance with land management principles and policies when planning the activity location/site
- e. Comply with policies and management plans relevant to the activity area
- f. Plan and conduct activities in a manner which minimises environmental impact
- g. Adopt and model a positive and caring attitude towards the natural environment throughout activities
- h. Demonstrate cooperation and consideration towards other users in settings where multiple use occurs
- i. Identify basic techniques to determine the nature and degree of impact and evaluate the effectiveness of minimal impact practices
- j. Modify impact reduction strategies, where necessary, after evaluation

SRO DRV 001B/03 Perform pre-departure checks

- a. Routine pre-departure checks are performed under the bonnet, under the body and on external and internal items and accessories.
- b. Action is taken to correct any deficiency.
- c. Safe vehicle loading practices are applied.
- d. Items of personal luggage are safely secured.
- e. Passengers are advised of any special safety precautions to be taken when traversing rough terrain.

SRO DRV 001B/04 Use the features of a four wheel drive vehicle to drive in a variety of terrain types.

- a. Four wheel drive vehicles are correctly and safely operated both on and off road, in accordance with road rules, principles of four wheel driving and occupational health and safety regulations.
- b. Smooth accelerator control strategies are applied over varying terrain.
- c. Recommended braking techniques are demonstrated for hard top surfaces and off road conditions.
- d. Situations where the engagement of four wheel drive is required are correctly identified.
- e. Engage correctly, where relevant, front hubs and centre differential lock (constant four wheel drive vehicles)
- f. Track is surveyed to identify hazards, assess risk and select a best route.
- g. Routes are chosen to minimise damage to the environment.
- h. Appropriate range, gear, speed, driving and braking technique is used to negotiate a range of terrain types whilst maintaining control of vehicle at all times.
- i. Where necessary, brakes and undercarriage are checked en route
- j. Repairs to damaged tracks are performed if necessary.
- k. Standardised operating procedures are used when travelling in company with other vehicles.

SRO DRV 001B/05 Use a single snatch strap to recover a vehicle

- a. Risks associated with vehicle recovery are identified and strategies to minimise risks are developed and implemented.
- b. Recovery hooks are identified.
- c. Use of recommended mounting strategy on the four wheel drive vehicle and use of rated recovery equipment is confirmed when practicable
- d. Procedures for preparing vehicles for recovery are demonstrated.
- e. Techniques are demonstrated to minimise impact on the environment during vehicle recovery.
- f. Techniques for joining 2 snatch straps are demonstrated.
- g. Safe recovery of a four wheel drive vehicle using a single snatch strap is co-ordinated.



h. Post recovery checks and repairs are correctly performed.

SRO DRV 001B/06 Perform maintenance and minor repairs on four wheel drive vehicles

- a. Maintenance equipment, including spares and fluids is correctly selected/accessed current to departure after consideration of contextual issues.
- b. Vehicles are regularly checked current to and during trip and routine maintenance/repair tasks are correctly performed.
- c. Vehicle performance reports are promptly made to the designated person
- d. Safe use of a jack to support a four wheel drive vehicle on uneven ground is demonstrated