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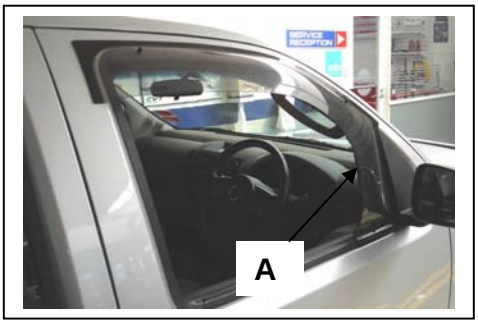
PRACTICE PAPER - ANSWER BANK

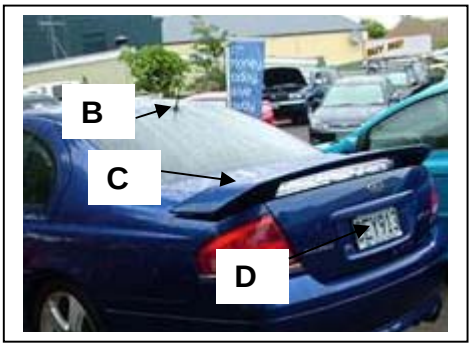
Assessors Note:
This answer bank should be used as the primary resource when marking students work. However, responses to some questions may be subjective and tutors are advised to exercise their professional judgement when making assessment decisions.

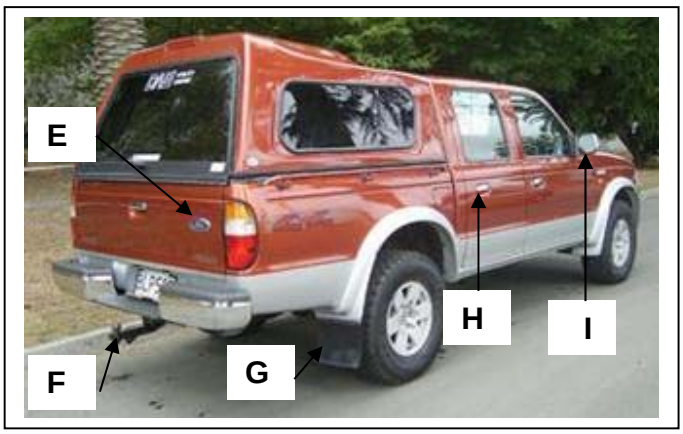
ELEMENT ONE
Demonstrate knowledge of exterior motor vehicle body parts and trim.

1. Identify the components listed A-I below.

A	Monsoon shield	**B**	Aerial
C	Spoiler	**D**	Number plate
E	Badge	**F**	Tow-bar
G	Mudflap	**H**	Door handle
I	Mirror		







2. What is the best source of information for the correct removal of body parts and trim?

Vehicle workshop manual

3. What should you do with parts and trim that will be reused that have been removed from a vehicle?

Tag and store safely

4. What is the purpose of mouldings?

Mouldings are fitted to various parts of a vehicle. As well as offering protection to the vehicle when opening doors they also cover body seams and provide a cosmetic finish.

5. Provide a brief description for each of the following:

Aerial: are fitted to vehicles to receive radio signals.

Monsoon shields: are fitted to front windows on some cars to provide protection from rain while the window is down.

Mud flaps: are fitted to vehicles to protect the vehicle from mud and stones thrown up by the vehicle wheels while the vehicle is in motion.

Spoiler: can be fitted to the front or rear of a vehicle to give improved aerodynamic performance and to improve the appearance of a vehicle.

Bezel: are fitted around parts such as lights. They are fitted to cover the edge of the headlight as well as to cover the headlight adjustment screws thereby providing a clean finish.

Badges: are fitted to the exterior of a vehicle and detail the make and model of a vehicle.

Sill covers: are fitted over the length of the sill panel. They are designed to prevent damage from mud and stones. They are also used for cosmetic reason so it is important that they suit the existing body features.

6. Provide a common means of attaching each of the following parts:

Mud flaps

Screws

Sill covers

Screws/clips

Spoilers

Bolts

Door handles

Nuts/Phillips screws

Badges

Double sided tape/clips

Mirrors

Screws/glue

Mouldings

Screws/clips/double sided tape

7. List the common hand tools that are used when removing and replacing body parts and trim

Crescent
Ring and open end spanner
Ratchet
Ball pein hammer

8. Explain why it is important to ensure that bonnets, bootlids and doors are correctly adjusted and aligned when refitting

So the panel gaps are even are there is nothing loose

9. What precautions should be observed when removing and replacing electrical wiring?

Ensure that the battery is disconnected

10. Describe two ways in which interior trim can be used to provide comfort for the driver and passengers.

Provides a pleasant environment
Good ergonomics

11. Describe two ways in which interior trim can be used to provide sealing.

Protects the car from dust and moisture

12. List four methods of securing interior trim.

Screws
Clips
Adhesives
Bolts

13. What is the main purpose of each of the following part?

Seats
For the comfort of driver and passengers

Door locks
Secures car against theft

Seat belts
Restrains occupants of the vehicle in an accident

Trim panels
Hides doors interior components

Console panel
Panels that surround the radio and or gear lever

14. What are the main fasteners used to attach each of the following?

Seats
Bolts, nuts

Door locks
Screws, nuts

Seat belts
Bolts, nuts

Trim panels
Screws, clips, double sided tape

Console panel
Screws, clips, double sided tape

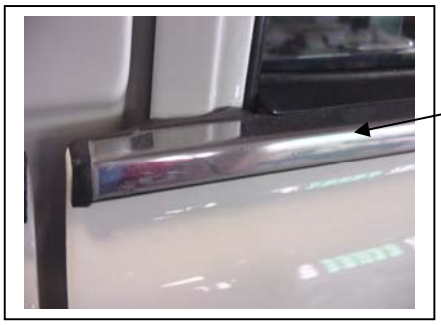
15. Outline a typical procedure to be followed when removing and replacing a window regulator.

The regulator body is usually mounted and secured to the inside of the door frame. The door mounted slide, which is part of the regulator, is mounted by two bolts to the inside of the door frame.

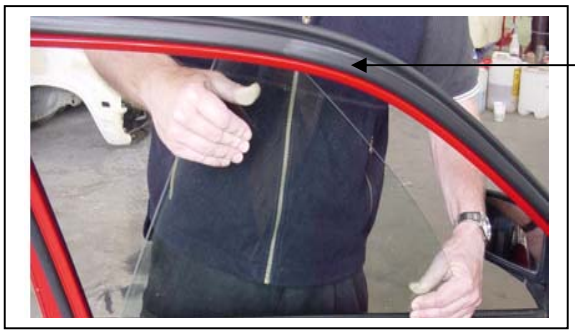
Once these mounting bolts have been removed the regulator can be removed through the frame inspection holes.

Refitting is a matter of ensuring the regulator is aligned to the previous position and then reinserting the mounting bolts. After the window has been inserted check for ease of operation and alignment.

16. Identify the components in the photographs below



Weather shield



Sealing rubber

Kickpanel

17. What is the correct name of the law that deals with seat security?

Land Transport Rule Seat and Seat Anchorages 2002

18. What do the letters SRS stand for?

Supplemental Restraint System

19. List three safety precautions to be followed when working on vehicles that are fitted with seatbelt pre-tensioners and SRS components.

- Safety glasses must be worn
- All component replacements and wiring service must be made with the battery ground cable disconnected for a minimum of one minute before service or replacement is attempted.
- Components that will be damaged or operation affected by heat should be removed before welding.
- Avoid creating situations that will set off pre-tensioners.
- Seatbelt tensioners that use an explosive system should be treated with the same precaution as air-bags.
- All component replacements and wiring service must be made with the battery ground cable disconnected for a minimum of one minute before service or replacement is attempted.
- Avoid creating situations that will set off airbags or pre-tensioners.
- Always wear safety glasses when servicing an air bag vehicle and when handling an air bag.
- Do not attempt any repairs to inflate or apply electrical power except as specified.
- To prevent any injuries from these components do not attempt to work on their mechanisms or open circuitry unless you are trained and/or qualified in the disabling, removal and replacement of them