

NZQA accredited and registered provider

Tune Up

Assessor's Stamp

PRACTICE PAPER ONLY

Test Paper One / Time allowed 90 mins

To be completed by the student Student Name Date / /2022 School/Provider
To be completed by the School Invigilator/Coordinator/Tutor I confirm that this assessment was completed by the student named above as a closed book exercise under exam conditions Invigilator Name Invigilator Sign
Assessed By Date // 2020

Assessors Note: Materials relate to unit standard 21687

SAMPLE ASSESSMENT INSTRUCTIONS

PLEASE MAKE SURE TO READ AND SIGN THIS SECTION

ASSESSMENT INSTRUCTIONS

- Before starting this assessment you should have achieved a mark of at least 80% for your workbook.
- Use a black or blue ball point pen. (do not use pencil)
- Write your full name on the cover page.
- This is a closed book assessment, so you cannot bring any reference material in, or seek help from anyone else.
- You need to answer all the questions.
- Read the questions carefully, and give detailed answers when asked to.
- You must complete the assessment under exam conditions.
- To achieve the unit standard you must show competency for each outcome.

You must complete the assessment instructions on Page 2 before starting this assessment!

ELEMENT ONE

Demonstrate knowledge of carrying out a pre-tuning visual inspection and service.

1. Complete the table below by providing the relevant checks that should be carried out when visually inspecting a vehicle before starting a tune up.

·	Checks
Oil	
Caplant	
Coolant	
Fuel	
Drive belts	
2ve sene	
Wires and connectors	
wires and connectors	

2. Complete the table by providing relevant safety precautions that must be observed when carrying out engine tuning.

	Precautions
Your Personal safety	
Safety of other staff and customers	
Safety of the vehicle you are working on	
Safety of the tools and equipment that you are using	

	ne the procedure involved in a carrying out a compression to
Outl test.	ine the procedure involved when carrying out a cylinder le
Prov	ride a likely cause of air bubbles in the coolant.
Prov	ide a likely cause of air in the oil filler.

Outline test.	the	procedure	involved	in a	carrying	out	an	engine	vacuun

ELEMENT TWO

Demonstrate knowledge of servicing an ignition system.

Identify each identified.	spark plug	condition	and d	escribe	how it o
Condition A:			_ г		
					7
					400.83
				-	
			L	-	
Condition B:					
				46	
			I	Access to	

Condition C:	
Condition D:	
Condition E:	
Condition D:	

	 		 	
List the main to checking ignition	equipment	that ar	re commonly	y used

5.	Complete the t	able by describing each ig	nition timing situation.
	Ideal timing		
	Timing retarded		
	Timing Advanced		
6.	Outline the prolon cir	ocedure involved when checuit resistance of an ignition	necking the high tension and on coil.

Outline the	procedure i	involved v	vhen che	cking ign	ition timi	ng.

7.

ELEMENT THREE

Demonstrate knowledge of servicing the air and fuel filters.

1. Complete the table below:

When is it necessary to replace an air filter?	List the tools should be used?	Outline the procedure involved in replacing an air filter
Whon is it	List the tools	Outling the propedure in taken in
When is it necessary to replace a fuel filter?	List the tools should be used?	Outline the procedure involved in replacing a fuel filter

ELEMENT FOUR

Demonstrate knowledge of checking and adjusting valve clearances.

What t	tool is used when measuring valve clearances?
	ONE of the following statements is true? Please tick priate box.
appro	priate box. valve clearance is set too close the valve will open too early and e, resulting in rough engine idle and possible burning and warp
If the value of th	priate box. valve clearance is set too close the valve will open too early and e, resulting in rough engine idle and possible burning and warp
If the value of th	priate box. valve clearance is set too close the valve will open too early and e, resulting in rough engine idle and possible burning and warp ve. valve clearance is set too close the valve will open too late and rly causing valve bounce.
If the value of th	priate box. valve clearance is set too close the valve will open too early and e, resulting in rough engine idle and possible burning and warp ve. valve clearance is set too close the valve will open too late and
If the value of th	valve clearance is set too close the valve will open too early and e, resulting in rough engine idle and possible burning and warp ve. valve clearance is set too close the valve will open too late and rly causing valve bounce. final checks should be carried out following the reassemble.
If the value of th	valve clearance is set too close the valve will open too early and e, resulting in rough engine idle and possible burning and warp ve. valve clearance is set too close the valve will open too late and rly causing valve bounce. final checks should be carried out following the reassemble.

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ELEMENT FIVE

Demonstrate knowledge of checking and adjusting engine idle speed and exhaust emissions.

1 Complete the table below:

When is it	List the tools	Outline the procedure involved in
necessary to check	should be used?	checking and adjusting engine idle speed.
engine idle speed		
When is it	List the tools	Outline the procedure involved in
necessary to check	should be used?	measuring exhaust emissions
exhaust emissions?		

۷.	analyser.		
	1		
	2		
3.	After carrying out an engine tune up a high HC emission reading was displayed during an exhaust emissions test, what is a possible cause and where may the problem be?		
	Cause:		
	Problem:		

FINISHED? CHECK THAT YOU HAVE ATTEMPTED ALL QUESTIONS!



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