

Unit Standard **30515**
**Remove and refit intake and
exhaust system components**

Level 3 Credit 3 v1

Student Name:

School:

Date:

Marked By: _____ **Mark** _____ **%**

Feedback: **Excellent work**
 Good work

Please attempt all questions
Please resubmit

USEFUL WEBLINKS

Exhaust Systems

https://youtu.be/W6dIsC_eGBI

<https://youtu.be/IqTAcde20jU>

<https://youtu.be/Wh3jZcKvmFc>

Removing Exhausts

<https://youtu.be/QJTvt2I5RBw>

Exhaust System Components

<https://youtu.be/dryWxHfCumQ>

<https://youtu.be/iKqgynTZgVo>

<https://youtu.be/Fl3aD1qJrEg>

<https://youtu.be/v9ju2rZ8YmM>

<https://youtu.be/DXchXMVteyk>

<https://youtu.be/aMKpo74P6SE>

<https://youtu.be/Qni9aBAdkFI>

<https://youtu.be/LSbJhVMu0I4>

REVIEW QUESTIONS ONE

1. List five safety points that must be considered when carrying out repairs to exhaust system components.
2. Explain the two main performance requirements of an exhaust system.
3. Explain how carbon monoxide can be a significant hazard.
4. List three harmful effects of smog.
5. List three factors that can affect exhaust system life.

6. List four points to be considered prior to removing exhaust system components.

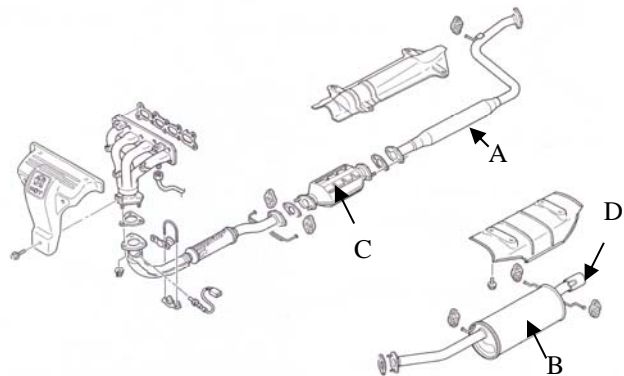
7. Identify the components listed A-D

A:

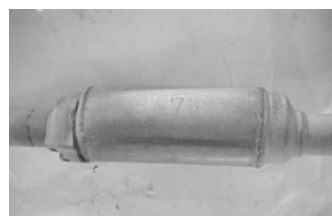
B:

C:

D:



8. Identify each of the following components:



9. Explain the purpose of an exhaust gas oxygen sensor.
10. Complete the following sentence:
 The _____ valve controls the release of crankcase _____ and _____ to the _____ manifold. When the _____ is at rest a _____ keeps the valve _____. When the engine is _____ it produces a _____, this vacuum _____ the valve and releases the gases for _____.
11. What is the noise decibel rating for a class MA vehicle first registered after the 1 June 2008?
12. List four types of catalytic converters
13. What is the purpose of a spark arrester?
14. What is the purpose of the Helmholtz tuning chamber?

15 Why is it important that diesel particulate filters are regenerated?

16 What is the purpose of using a DPF additive?

17 What chemical reaction occurs when DEF is used?



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