

Unit Standard 30519

Service steering and suspension systems on a vehicle

Level 3 Credit 4 v1

Student Name:

School:

Date:

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

Feedback: **Excellent work**
 Good work

Please attempt all questions
Please resubmit

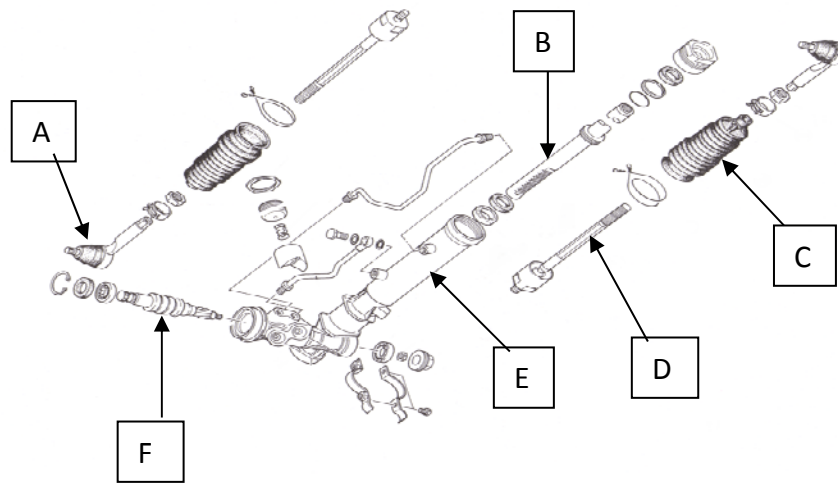
REVIEW QUESTIONS ONE

Q1 List five safety points to be considered when working with steering systems.

Q2 List 6 preliminary checks that should be carried out prior to steering system overhaul.

Q3 Outline the procedure involved in carrying out a power steering pump pressure test.

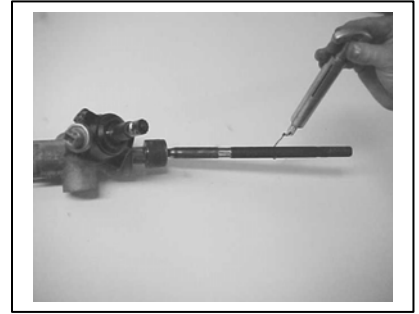
Q4 Name the components A-F



- | | |
|---|---|
| A | D |
| B | E |
| C | F |

Q5 Explain why it is necessary to carry out a vacuum test on a power assisted steering rack after overhaul.

Q6 Explain what is taking place in the following photograph.

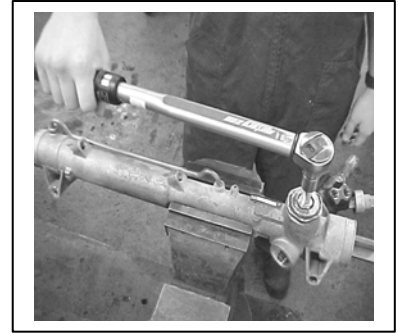


Q7 List three reasons why a steering column overhaul would be necessary.

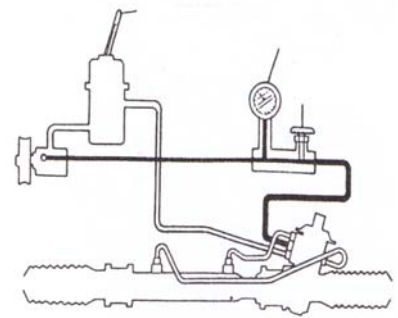
Q8 Explain how to bleed the steering system after a power steering rack installation.

Q9 How is the toe-in angle checked after a tie rod end replacement?

Q10 Explain what is taking place in the following photograph.



Q11 Identify the test that is taking place in the following diagram



REVIEW QUESTIONS TWO

Q12 List five safety points to be considered when working with suspension systems.

Q13 Explain why it is important to check the condition of the tyres during a suspension system inspection.

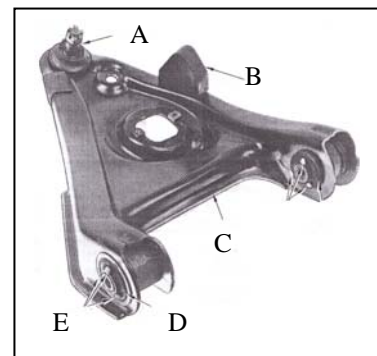
Q14 How can an ineffective shock absorber be easily identified?

Q15 List three ways a ball joint may be secured to a suspension arm.

Q16 List four inspection that should be made when inspecting coil springs.

Q17 Explain why it is important to release coil spring tension once the spring has been removed.

Q18 Identify the components labelled A-E



- Q19 What tools must be used when replacing a leaf spring eye bush?
- Q20 Explain how the castor shim adjustment is achieved on a vehicle fitted with double wishbone suspension system.
- Q21 Explain how the castor adjustment is achieved on a vehicle fitted with McPherson strut camber pins.



NZQA accredited and registered provider

www.feds.co.nz



473 Te Rapa Road, PO Box 10-244, Hamilton 3241
phone 07 849 9828 | gateway@fairviews.co.nz