

**071604T4AUT**

**AUTOMOTIVE MECHANIC LEVEL 4**

**ENG/OS/AUT/CR/4/4/A**

**SERVICE VEHICLE STEERING AND SUSPENSION SYSTEMS**

**July/Aug 2025**



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION  
COUNCIL (TVET CDACC)**

*easyvet.com*

**PRACTICAL ASSESSMENT**

### **INSTRUCTIONS TO ASSESSOR**

1. Assess the candidate as the practical progresses observing the critical areas
2. You are required to mark the practical as the candidate perform the tasks
3. You are required to take video clips at critical points
4. Ensure the candidate has a name tag and registration code at the back and front

## OBSERVATION CHECKLIST

<b>Candidate's Name &amp; Registration Code</b>			
<b>Assessors Name &amp; Registration Code</b>			
<b>Venue of Assessment</b>			
<b>Date of Assessment</b>			
<b>Items to be Evaluated:</b> <i>Please award marks as appropriate. Give a brief comment on your observation.</i>	<b>Marks Available</b>	<b>Marks Obtained</b>	<b>Comments</b>
<b>TASK 1: Replace a damaged shock absorber on a MacPherson strut.</b>			
1. Wore the correct Personal protective equipment <ul style="list-style-type: none"> <li>• safety boots</li> <li>• overall/ dust coat</li> </ul> <i>(Award 1 mark each or zero)</i>	1 1		
2. Selected the correct tools and equipment. <i>(Award 2 marks or zero)</i>	2		
3. Ensured that the vehicle is parked on a flat surface. <i>(Award 2 marks or zero)</i>	2		
4. Chocked the rear wheels correctly. <i>(Award 2 marks or zero)</i>	2		
5. Jacked up the front wheels and supported the vehicle with safety stands <i>(Award 2 marks or zero)</i>	2		
6. Removed one of the front wheels <i>(Award 1 mark or zero)</i>	1		
7. Disconnected the vehicle's battery. <i>(Award 2 marks or zero)</i>	2		
8. Disconnected the components attached to the strut <ul style="list-style-type: none"> <li>• Brake line</li> <li>• ABS sensor</li> </ul> <i>(Award 1 mark each or zero)</i>	1 1		

<p>9. Visually inspected the suspension struts for:</p> <ul style="list-style-type: none"> <li>• visible signs of damage</li> <li>• signs of leakage.</li> <li>• Check for Play</li> </ul> <p><i>(Award 1 mark each or zero)</i></p>	<p style="text-align: center;"><b>1</b></p> <p style="text-align: center;"><b>1</b></p> <p style="text-align: center;"><b>1</b></p>		
<p>10. Removed the Suspension Strut:</p> <ul style="list-style-type: none"> <li>• Unbolted the lower and upper strut mounting points:</li> <li>• Removed the strut assembly</li> </ul> <p><i>(Award 2 marks each or zero)</i></p>	<p style="text-align: center;"><b>2</b></p> <p style="text-align: center;"><b>2</b></p>		
<p>11. Removed the coil spring</p> <ul style="list-style-type: none"> <li>• Used a spring compressor to compress the coil spring</li> <li>• Removed the top nut</li> <li>• Removed the bearing assembly and upper spring seat</li> <li>• Removed the spring.</li> </ul> <p><i>(Award 2 marks each)</i></p>	<p style="text-align: center;"><b>2</b></p> <p style="text-align: center;"><b>2</b></p> <p style="text-align: center;"><b>2</b></p> <p style="text-align: center;"><b>2</b></p>		
<p>12. Installed a new shock absorber</p> <ul style="list-style-type: none"> <li>• Reinstalled the coil spring to the new shock absorber.</li> <li>• Reinstalled the upper spring seat and bearing assembly.</li> <li>• Secured the top nut and tightened it to the correct torque.</li> <li>• Removed the coil spring compressor</li> </ul> <p><i>(Award 2 marks each or zero)</i></p>	<p style="text-align: center;"><b>2</b></p> <p style="text-align: center;"><b>2</b></p> <p style="text-align: center;"><b>2</b></p> <p style="text-align: center;"><b>2</b></p>		

13. Re-fitted back the suspension strut <ul style="list-style-type: none"> <li>Installed the strut assembly into position, aligned the strut with the upper and lower mounting points.</li> <li>Tightened the mounting bolts to the correct torque. <i>(Award 2 marks each or zero)</i></li> </ul>	2  2		
14. Re-fitted back the components disconnected from the strut <ul style="list-style-type: none"> <li>Brake line</li> <li>ABS sensor</li> </ul> <i>(Award 1marks each or zero)</i>	1  1		
15. Re-fitted back the wheel: <ul style="list-style-type: none"> <li>Fitted back the wheel and tightened the wheel nuts</li> <li>Lowered the vehicle and removed the safety stands</li> <li>Tightened the wheels to the correct torque</li> </ul> <i>(Award 2 marks each or zero)</i>	2  2  2		
16. Reconnected the vehicle's battery. <i>(Award 2 marks or zero)</i>	2		
17. Tested the vehicle for functionality: <i>(Award 2 marks or zero)</i>	2		
18. Performed housekeeping. <i>(Award 2 marks or zero)</i>	2		
19. Finished within time limit. <i>(Award 1 mark or zero)</i>	2		
<b>TOTAL</b>	<b>58</b>		
<b>ASSESSMENT OUTCOME</b>			

The candidate was found to be:	
Competent <input type="checkbox"/>	Not yet Competent <input type="checkbox"/>
<i>(Please tick as appropriate)</i> <i>(The candidate is competent if the candidate obtains at least 50%)</i>	
<b>Feedback from the Candidate:</b>	
<b>Feedback to the Candidate:</b>	
<b>Candidate Signature</b> _____	<b>Date:</b> _____
<b>Assessor's Signature</b> _____	<b>Date</b> _____